

# Energy Laboratories Inc

# ANALYTICAL RUN Summary

28-Feb-22

Run ID VOA5975C.I\_220104A

Run Start Date: 1/4/2022  
 Analyst: Melissa Chavez  
 Ical:  
 Column ID:  
 Comments:

| Instrument ID | Description |
|---------------|-------------|
| Bal #22       | Balance     |

| Std ID    | Std Name                                  | Std Amount | Std Units | Samp Amount | Samp Units | SampType    | Expiration Date |
|-----------|---|------------|-----------|-------------|------------|-------------|-----------------|
| VOCF3473  | Calibration Surrogates                    |            | ul        | 42          | ml         | CAL         | 3/14/2022       |
| VOCF3517  | Internal Standard / Surrogates (INT/SURR) | 8.4        | ul        | 42          | ml         | MBLK, ICV ( | 12/31/2022      |
| VOCF3529B | 2nd Source MtBE                           | 1.05       | ul        | 42          | ml         | ICV         | 1/29/2022       |
| VOCF3546A | Liquids                                   |            | ul        | 42          | ml         | CAL         | 1/13/2022       |
| VOCF3549  | 2nd Source Ketones                        | 1.05       | ul        | 42          | ml         | ICV         | 1/15/2022       |
| VOCF3550  | Ketones                                   |            | ul        | 42          | ml         | CAL         | 1/16/2022       |
| VOCF3558B | 2nd Source Liquids                        | 1.05       | ul        | 42          | ml         | ICV         | 2/27/2022       |
| VOCF3559A | MtBE                                      |            | ul        | 42          | ml         | CAL         | 1/27/2022       |
| VOCF3562A | Gases                                     |            | ul        | 42          | ml         | CAL         | 1/10/2022       |
| VOCF3563  | Internals                                 | 8.4        | ul        | 42          | ml         | CAL         | 7/3/2022        |
| VOCF3566A | 2nd Source Gases                          | 1.05       | ul        | 42          | ml         | ICV         | 1/11/2022       |

| Seq No             | Lab ID       | Test Code    | Sample Typ | File ID        | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |       |      |   |
|--------------------|--------------|--------------|------------|----------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|-------|------|---|
| 14970784           | 04JAN08_D_TU | VOC-8260-BFB | TUNE       | 0A5975C\VG010: | 1/4/2022 2:38:00 | 1     | R372940  |           | 0      | 0      |        |      |     |       |      |   |
| Analyte            | T            | Units        | RAW        | Final          | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH  | %RPD | Q |
| 173, % of mass 174 | A            | %            | 0          | 0              |                  | 100   | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 1.99  | 0%   |   |
| 174, % of mass 95  | A            | %            | 95.2       | 95.2           |                  | 100   | 0        | 0         | 0      | 0      | 0      | 95%  | 50  | 99.99 | 0%   |   |
| 175, % of mass 174 | A            | %            | 6.6        | 6.6            |                  | 100   | 0        | 0         | 0      | 0      | 0      | 7%   | 5   | 9     | 0%   |   |
| 176, % of mass 174 | A            | %            | 95.7       | 95.7           |                  | 100   | 0        | 0         | 0      | 0      | 0      | 96%  | 95  | 101   | 0%   |   |
| 177, % of mass 176 | A            | %            | 6.7        | 6.7            |                  | 100   | 0        | 0         | 0      | 0      | 0      | 7%   | 5   | 9     | 0%   |   |
| 50, % of mass 95   | A            | %            | 21.2       | 21.2           |                  | 100   | 0        | 0         | 0      | 0      | 0      | 21%  | 15  | 40    | 0%   |   |
| 75, % of mass 95   | A            | %            | 51         | 51             |                  | 100   | 0        | 0         | 0      | 0      | 0      | 51%  | 30  | 60    | 0%   |   |
| 95, Base Peak      | A            | %            | 100        | 100            |                  | 100   | 0        | 0         | 0      | 0      | 0      | 100% | 0   | 100   | 0%   |   |
| 96, % of mass 95   | A            | %            | 5.4        | 5.4            |                  | 100   | 0        | 0         | 0      | 0      | 0      | 5%   | 5   | 9     | 0%   |   |

| Seq No                    | Lab ID      | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|-------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970898                  | MBLK010422_ | VOC-8260-W-Q | MBLK       | DA5975C\VG010 | 1/4/2022 3:05:37 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T           | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.101  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1,1-Trichloroethane     | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.131  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0872 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1,2-Trichloroethane     | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.108  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1-Dichloroethane        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.135  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1-Dichloroethene        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.141  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1-Dichloropropene       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.083  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2,3-Trichloropropane    | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.235  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dibromoethane         | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0916 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dichlorobenzene       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0746 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dichloroethane        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.116  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dichloropropane       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0847 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,3-Dichlorobenzene       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0803 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,3-Dichloropropane       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0791 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,4-Dichlorobenzene       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0858 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 2,2-Dichloropropane       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.186  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 2-Chlorotoluene           | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0876 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 4-Chlorotoluene           | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0728 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Benzene                   | A           | ug/L         | 0.12327    | 0             |                  | 0     | 0        | 0         | 0.0914 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromobenzene              | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0831 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromochloromethane        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.141  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromodichloromethane      | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.12   | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromoform                 | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.119  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromomethane              | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.253  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Carbon tetrachloride      | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.143  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene             | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0914 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorodibromomethane      | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0841 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chloroethane              | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.169  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chloroform                | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0789 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chloromethane             | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.162  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| cis-1,2-Dichloroethene    | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.108  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| cis-1,3-Dichloropropene   | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.073  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Dibromomethane            | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.147  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Dichlorodifluoromethane   | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.175  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Ethylbenzene              | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0836 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |



| Seq No                         | Lab ID      | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|-------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970898                       | MBLK010422_ | VOC-8260-W-Q | MBLK       | DA5975C\VG010 | 1/4/2022 3:05:37 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T           | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.15   | 0.5    | 1000   | 0%   | 0   | 0    | 0%   |   |
| Methyl ethyl ketone            | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 1.77   | 10     | 5000   | 0%   | 0   | 0    | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.101  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Methylene chloride             | A           | ug/L         | 1.44235    | 0             |                  | 0     | 0        | 0         | 0.338  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| o-Xylene                       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0604 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Styrene                        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.067  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Tetrachloroethene              | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0671 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Toluene                        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0679 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| trans-1,2-Dichloroethene       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.125  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| trans-1,3-Dichloropropene      | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0846 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Trichloroethene                | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0993 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Trichlorofluoromethane         | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.134  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Vinyl chloride                 | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.153  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I           | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I           | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I           | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0604 | 0.5    | 1500   | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dichloroethane-d4          | S           | ug/L         | 279.39635  | 11.175854     |                  | 10    | 0        | 0         | 0.229  | 0.5    | 500    | 112% | 70  | 130  | 0%   |   |
| Dibromofluoromethane           | S           | ug/L         | 278.46353  | 11.1385412    |                  | 10    | 0        | 0         | 0.129  | 0.5    | 500    | 111% | 77  | 126  | 0%   |   |
| p-Bromofluorobenzene           | S           | ug/L         | 267.28149  | 10.6912596    |                  | 10    | 0        | 0         | 0.149  | 0.5    | 500    | 107% | 76  | 127  | 0%   |   |
| Toluene-d8                     | S           | ug/L         | 265.34358  | 10.6137432    |                  | 10    | 0        | 0         | 0.23   | 0.5    | 500    | 106% | 79  | 122  | 0%   |   |

| Seq No              | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970899            | ICAL010422_1 | VOC-8260-W-Q | CAL1       | DA5975C\VG010 | 1/4/2022 3:33:04 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte             | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene | A            | ug/L         | 2.73073    | 0.1092292     |                  | 0.1   | 0        | 0         | 0.0746 | 0.5    | 500    | 109% | 50  | 150  | 0%   |   |
| 1,2-Dichloroethane  | A            | ug/L         | 2.90899    | 0.1163596     |                  | 0.1   | 0        | 0         | 0.116  | 0.5    | 500    | 116% | 50  | 150  | 0%   |   |
| 1,3-Dichlorobenzene | A            | ug/L         | 2.6327     | 0.105308      |                  | 0.1   | 0        | 0         | 0.0803 | 0.5    | 500    | 105% | 50  | 150  | 0%   |   |
| 1,4-Dichlorobenzene | A            | ug/L         | 2.76134    | 0.1104536     |                  | 0.1   | 0        | 0         | 0.0858 | 0.5    | 500    | 110% | 50  | 150  | 0%   |   |
| Benzene             | A            | ug/L         | 2.73933    | 0.1095732     |                  | 0.1   | 0        | 0         | 0.0914 | 0.5    | 500    | 110% | 50  | 150  | 0%   |   |
| Chloroform          | A            | ug/L         | 2.89464    | 0.1157856     |                  | 0.1   | 0        | 0         | 0.0789 | 0.5    | 500    | 116% | 50  | 150  | 0%   |   |
| Ethylbenzene        | A            | ug/L         | 2.53666    | 0.1014664     |                  | 0.1   | 0        | 0         | 0.0836 | 0.5    | 500    | 101% | 50  | 150  | 0%   |   |
| m+p-Xylenes         | A            | ug/L         | 5.07121    | 0.2028484     |                  | 0.2   | 0        | 0         | 0.15   | 0.5    | 1000   | 101% | 50  | 150  | 0%   |   |
| Styrene             | A            | ug/L         | 2.16254    | 0.0865016     |                  | 0.1   | 0        | 0         | 0.067  | 0.5    | 500    | 87%  | 50  | 150  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970899                  | ICAL010422_1 | VOC-8260-W-Q | CAL1       | DA5975C\VG010 | 1/4/2022 3:33:04 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Tetrachloroethene         | A            | ug/L         | 2.67723    | 0.1070892     |                  | 0.1   | 0        | 0         | 0.0671 | 0.5    | 500    | 107% | 50  | 150  | 0%   |   |
| Toluene                   | A            | ug/L         | 2.6145     | 0.10458       |                  | 0.1   | 0        | 0         | 0.0679 | 0.5    | 500    | 105% | 50  | 150  | 0%   |   |
| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
| 14970901                  | ICAL010422_2 | VOC-8260-W-Q | CAL2       | DA5975C\VG010 | 1/4/2022 4:00:35 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A            | ug/L         | 12.82253   | 0.5129012     |                  | 0.5   | 0        | 0         | 0.101  | 0.5    | 500    | 103% | 50  | 150  | 0%   |   |
| 1,1,1-Trichloroethane     | A            | ug/L         | 12.18907   | 0.4875628     |                  | 0.5   | 0        | 0         | 0.131  | 0.5    | 500    | 98%  | 50  | 150  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A            | ug/L         | 12.84375   | 0.51375       |                  | 0.5   | 0        | 0         | 0.0872 | 0.5    | 500    | 103% | 50  | 150  | 0%   |   |
| 1,1,2-Trichloroethane     | A            | ug/L         | 13.23404   | 0.5293616     |                  | 0.5   | 0        | 0         | 0.108  | 0.5    | 500    | 106% | 50  | 150  | 0%   |   |
| 1,1-Dichloroethane        | A            | ug/L         | 12.06522   | 0.4826088     |                  | 0.5   | 0        | 0         | 0.135  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| 1,1-Dichloroethene        | A            | ug/L         | 11.90807   | 0.4763228     |                  | 0.5   | 0        | 0         | 0.141  | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| 1,1-Dichloropropene       | A            | ug/L         | 11.33971   | 0.4535884     |                  | 0.5   | 0        | 0         | 0.083  | 0.5    | 500    | 91%  | 50  | 150  | 0%   |   |
| 1,2,3-Trichloropropane    | A            | ug/L         | 13.70838   | 0.5483352     |                  | 0.5   | 0        | 0         | 0.235  | 0.5    | 500    | 110% | 50  | 150  | 0%   |   |
| 1,2-Dibromoethane         | A            | ug/L         | 12.86397   | 0.5145588     |                  | 0.5   | 0        | 0         | 0.0916 | 0.5    | 500    | 103% | 50  | 150  | 0%   |   |
| 1,2-Dichlorobenzene       | A            | ug/L         | 12.14234   | 0.4856936     |                  | 0.5   | 0        | 0         | 0.0746 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane        | A            | ug/L         | 12.39059   | 0.4956236     |                  | 0.5   | 0        | 0         | 0.116  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| 1,2-Dichloropropane       | A            | ug/L         | 12.0602    | 0.482408      |                  | 0.5   | 0        | 0         | 0.0847 | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| 1,3-Dichlorobenzene       | A            | ug/L         | 11.84726   | 0.4738904     |                  | 0.5   | 0        | 0         | 0.0803 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 1,3-Dichloropropane       | A            | ug/L         | 11.85262   | 0.4741048     |                  | 0.5   | 0        | 0         | 0.0791 | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| 1,4-Dichlorobenzene       | A            | ug/L         | 11.96618   | 0.4786472     |                  | 0.5   | 0        | 0         | 0.0858 | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| 2,2-Dichloropropane       | A            | ug/L         | 12.48201   | 0.4992804     |                  | 0.5   | 0        | 0         | 0.186  | 0.5    | 500    | 100% | 50  | 150  | 0%   |   |
| 2-Chlorotoluene           | A            | ug/L         | 11.19768   | 0.4479072     |                  | 0.5   | 0        | 0         | 0.0876 | 0.5    | 500    | 90%  | 50  | 150  | 0%   |   |
| 4-Chlorotoluene           | A            | ug/L         | 11.22327   | 0.4489308     |                  | 0.5   | 0        | 0         | 0.0728 | 0.5    | 500    | 90%  | 50  | 150  | 0%   |   |
| Benzene                   | A            | ug/L         | 12.18007   | 0.4872028     |                  | 0.5   | 0        | 0         | 0.0914 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Bromobenzene              | A            | ug/L         | 12.331     | 0.49324       |                  | 0.5   | 0        | 0         | 0.0831 | 0.5    | 500    | 99%  | 50  | 150  | 0%   |   |
| Bromochloromethane        | A            | ug/L         | 12.9568    | 0.518272      |                  | 0.5   | 0        | 0         | 0.141  | 0.5    | 500    | 104% | 50  | 150  | 0%   |   |
| Bromodichloromethane      | A            | ug/L         | 12.60141   | 0.5040564     |                  | 0.5   | 0        | 0         | 0.12   | 0.5    | 500    | 101% | 50  | 150  | 0%   |   |
| Bromoform                 | A            | ug/L         | 11.78598   | 0.4714392     |                  | 0.5   | 0        | 0         | 0.119  | 0.5    | 500    | 94%  | 50  | 150  | 0%   |   |
| Bromomethane              | A            | ug/L         | 12.04638   | 0.4818552     |                  | 0.5   | 0        | 0         | 0.253  | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| Carbon tetrachloride      | A            | ug/L         | 12.2545    | 0.49018       |                  | 0.5   | 0        | 0         | 0.143  | 0.5    | 500    | 98%  | 50  | 150  | 0%   |   |
| Chlorobenzene             | A            | ug/L         | 12.52043   | 0.5008172     |                  | 0.5   | 0        | 0         | 0.0914 | 0.5    | 500    | 100% | 50  | 150  | 0%   |   |
| Chlorodibromomethane      | A            | ug/L         | 12.83929   | 0.5135716     |                  | 0.5   | 0        | 0         | 0.0841 | 0.5    | 500    | 103% | 50  | 150  | 0%   |   |
| Chloroethane              | A            | ug/L         | 14.86697   | 0.5946788     |                  | 0.5   | 0        | 0         | 0.169  | 0.5    | 500    | 119% | 50  | 150  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970901                       | ICAL010422_2 | VOC-8260-W-Q | CAL2       | DA5975C\VG010 | 1/4/2022 4:00:35 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Chloroform                     | A            | ug/L         | 13.06683   | 0.5226732     |                  | 0.5   | 0        | 0         | 0.0789 | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| Chloromethane                  | A            | ug/L         | 13.86612   | 0.5546448     |                  | 0.5   | 0        | 0         | 0.162  | 0.5    | 500    | 111% | 50  | 150  | 0%   |   |
| cis-1,2-Dichloroethene         | A            | ug/L         | 12.56593   | 0.5026372     |                  | 0.5   | 0        | 0         | 0.108  | 0.5    | 500    | 101% | 50  | 150  | 0%   |   |
| cis-1,3-Dichloropropene        | A            | ug/L         | 12.07376   | 0.4829504     |                  | 0.5   | 0        | 0         | 0.073  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| Dibromomethane                 | A            | ug/L         | 14.06189   | 0.5624756     |                  | 0.5   | 0        | 0         | 0.147  | 0.5    | 500    | 112% | 50  | 150  | 0%   |   |
| Dichlorodifluoromethane        | A            | ug/L         | 12.06625   | 0.48265       |                  | 0.5   | 0        | 0         | 0.175  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| Ethylbenzene                   | A            | ug/L         | 11.04112   | 0.4416448     |                  | 0.5   | 0        | 0         | 0.0836 | 0.5    | 500    | 88%  | 70  | 130  | 0%   |   |
| m+p-Xylenes                    | A            | ug/L         | 22.14096   | 0.8856384     |                  | 1     | 0        | 0         | 0.15   | 0.5    | 1000   | 89%  | 70  | 130  | 0%   |   |
| Methyl ethyl ketone            | A            | ug/L         | 122.052    | 4.88208       |                  | 5     | 0        | 0         | 1.77   | 10     | 5000   | 98%  | 50  | 150  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A            | ug/L         | 12.32545   | 0.493018      |                  | 0.5   | 0        | 0         | 0.101  | 0.5    | 500    | 99%  | 50  | 150  | 0%   |   |
| Methylene chloride             | A            | ug/L         | 15.62358   | 0.6249432     |                  | 0.5   | 0        | 0         | 0.338  | 0.5    | 500    | 125% | 50  | 150  | 0%   |   |
| o-Xylene                       | A            | ug/L         | 10.66119   | 0.4264476     |                  | 0.5   | 0        | 0         | 0.0604 | 0.5    | 500    | 85%  | 50  | 150  | 0%   |   |
| Styrene                        | A            | ug/L         | 11.49684   | 0.4598736     |                  | 0.5   | 0        | 0         | 0.067  | 0.5    | 500    | 92%  | 70  | 130  | 0%   |   |
| Tetrachloroethene              | A            | ug/L         | 11.73024   | 0.4692096     |                  | 0.5   | 0        | 0         | 0.0671 | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| Toluene                        | A            | ug/L         | 11.28985   | 0.451594      |                  | 0.5   | 0        | 0         | 0.0679 | 0.5    | 500    | 90%  | 70  | 130  | 0%   |   |
| trans-1,2-Dichloroethene       | A            | ug/L         | 12.50224   | 0.5000896     |                  | 0.5   | 0        | 0         | 0.125  | 0.5    | 500    | 100% | 50  | 150  | 0%   |   |
| trans-1,3-Dichloropropene      | A            | ug/L         | 11.75888   | 0.4703552     |                  | 0.5   | 0        | 0         | 0.0846 | 0.5    | 500    | 94%  | 50  | 150  | 0%   |   |
| Trichloroethene                | A            | ug/L         | 11.67527   | 0.4670108     |                  | 0.5   | 0        | 0         | 0.0993 | 0.5    | 500    | 93%  | 50  | 150  | 0%   |   |
| Trichlorofluoromethane         | A            | ug/L         | 11.36372   | 0.4545488     |                  | 0.5   | 0        | 0         | 0.134  | 0.5    | 500    | 91%  | 50  | 150  | 0%   |   |
| Vinyl chloride                 | A            | ug/L         | 12.54456   | 0.5017824     |                  | 0.5   | 0        | 0         | 0.153  | 0.5    | 500    | 100% | 50  | 150  | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 50  | 150  | 0%   |   |
| Chlorobenzene-d5               | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 50  | 150  | 0%   |   |
| Fluorobenzene                  | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 50  | 150  | 0%   |   |
| Xylenes, Total                 | M            | ug/L         | 32.80215   | 1.312086      |                  | 1.5   | 0        | 0         | 0.0604 | 0.5    | 1500   | 87%  | 50  | 150  | 0%   |   |
| 1,2-Dichloroethane-d4          | S            | ug/L         | 12.66005   | 0.506402      |                  | 0.5   | 0        | 0         | 0.229  | 0.5    | 500    | 101% | 50  | 150  | 0%   |   |
| Dibromofluoromethane           | S            | ug/L         | 12.59997   | 0.5039988     |                  | 0.5   | 0        | 0         | 0.129  | 0.5    | 500    | 101% | 50  | 150  | 0%   |   |
| p-Bromofluorobenzene           | S            | ug/L         | 11.33932   | 0.4535728     |                  | 0.5   | 0        | 0         | 0.149  | 0.5    | 500    | 91%  | 50  | 150  | 0%   |   |
| Toluene-d8                     | S            | ug/L         | 11.30891   | 0.4523564     |                  | 0.5   | 0        | 0         | 0.23   | 0.5    | 500    | 90%  | 50  | 150  | 0%   |   |

| Seq No   | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970902 | ICAL010422_3 | VOC-8260-W-Q | CAL3       | DA5975C\VG010 | 1/4/2022 4:28:05 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte  | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970902                  | ICAL010422_3 | VOC-8260-W-Q | CAL3       | DA5975C\VG010 | 1/4/2022 4:28:05 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A            | ug/L         | 24.15093   | 0.9660372     |                  | 1     | 0        | 0         | 0.101  | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,1,1-Trichloroethane     | A            | ug/L         | 25.18087   | 1.0072348     |                  | 1     | 0        | 0         | 0.131  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A            | ug/L         | 27.78828   | 1.1115312     |                  | 1     | 0        | 0         | 0.0872 | 0.5    | 500    | 111% | 70  | 130  | 0%   |   |
| 1,1,2-Trichloroethane     | A            | ug/L         | 25.84      | 1.0336        |                  | 1     | 0        | 0         | 0.108  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,1-Dichloroethane        | A            | ug/L         | 25.68346   | 1.0273384     |                  | 1     | 0        | 0         | 0.135  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,1-Dichloroethene        | A            | ug/L         | 25.88489   | 1.0353956     |                  | 1     | 0        | 0         | 0.141  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| 1,1-Dichloropropene       | A            | ug/L         | 24.36174   | 0.9744696     |                  | 1     | 0        | 0         | 0.083  | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,2,3-Trichloropropane    | A            | ug/L         | 26.71444   | 1.0685776     |                  | 1     | 0        | 0         | 0.235  | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| 1,2-Dibromoethane         | A            | ug/L         | 24.36006   | 0.9744024     |                  | 1     | 0        | 0         | 0.0916 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,2-Dichlorobenzene       | A            | ug/L         | 24.94023   | 0.9976092     |                  | 1     | 0        | 0         | 0.0746 | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane        | A            | ug/L         | 23.46155   | 0.938462      |                  | 1     | 0        | 0         | 0.116  | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| 1,2-Dichloropropane       | A            | ug/L         | 25.11474   | 1.0045896     |                  | 1     | 0        | 0         | 0.0847 | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 1,3-Dichlorobenzene       | A            | ug/L         | 25.77252   | 1.0309008     |                  | 1     | 0        | 0         | 0.0803 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,3-Dichloropropane       | A            | ug/L         | 24.38386   | 0.9753544     |                  | 1     | 0        | 0         | 0.0791 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene       | A            | ug/L         | 25.32843   | 1.0131372     |                  | 1     | 0        | 0         | 0.0858 | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 2,2-Dichloropropane       | A            | ug/L         | 26.26917   | 1.0507668     |                  | 1     | 0        | 0         | 0.186  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| 2-Chlorotoluene           | A            | ug/L         | 25.05504   | 1.0022016     |                  | 1     | 0        | 0         | 0.0876 | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 4-Chlorotoluene           | A            | ug/L         | 24.39357   | 0.9757428     |                  | 1     | 0        | 0         | 0.0728 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| Benzene                   | A            | ug/L         | 23.79187   | 0.9516748     |                  | 1     | 0        | 0         | 0.0914 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Bromobenzene              | A            | ug/L         | 24.76128   | 0.9904512     |                  | 1     | 0        | 0         | 0.0831 | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Bromochloromethane        | A            | ug/L         | 25.4383    | 1.017532      |                  | 1     | 0        | 0         | 0.141  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Bromodichloromethane      | A            | ug/L         | 24.39404   | 0.9757616     |                  | 1     | 0        | 0         | 0.12   | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| Bromoform                 | A            | ug/L         | 25.92121   | 1.0368484     |                  | 1     | 0        | 0         | 0.119  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Bromomethane              | A            | ug/L         | 25.77927   | 1.0311708     |                  | 1     | 0        | 0         | 0.253  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Carbon tetrachloride      | A            | ug/L         | 24.77733   | 0.9910932     |                  | 1     | 0        | 0         | 0.143  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Chlorobenzene             | A            | ug/L         | 24.70152   | 0.9880608     |                  | 1     | 0        | 0         | 0.0914 | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Chlorodibromomethane      | A            | ug/L         | 24.3492    | 0.973968      |                  | 1     | 0        | 0         | 0.0841 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Chloroethane              | A            | ug/L         | 26.12501   | 1.0450004     |                  | 1     | 0        | 0         | 0.169  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| Chloroform                | A            | ug/L         | 24.17337   | 0.9669348     |                  | 1     | 0        | 0         | 0.0789 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Chloromethane             | A            | ug/L         | 26.34224   | 1.0536896     |                  | 1     | 0        | 0         | 0.162  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| cis-1,2-Dichloroethene    | A            | ug/L         | 24.5653    | 0.982612      |                  | 1     | 0        | 0         | 0.108  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| cis-1,3-Dichloropropene   | A            | ug/L         | 23.25283   | 0.9301132     |                  | 1     | 0        | 0         | 0.073  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| Dibromomethane            | A            | ug/L         | 23.84392   | 0.9537568     |                  | 1     | 0        | 0         | 0.147  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Dichlorodifluoromethane   | A            | ug/L         | 25.67929   | 1.0271716     |                  | 1     | 0        | 0         | 0.175  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Ethylbenzene              | A            | ug/L         | 23.74212   | 0.9496848     |                  | 1     | 0        | 0         | 0.0836 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970902                       | ICAL010422_3 | VOC-8260-W-Q | CAL3       | DA5975C\VG010 | 1/4/2022 4:28:05 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A            | ug/L         | 45.78355   | 1.831342      |                  | 2     | 0        | 0         | 0.15   | 0.5    | 1000   | 92%  | 70  | 130  | 0%   |   |
| Methyl ethyl ketone            | A            | ug/L         | 235.05043  | 9.4020172     |                  | 10    | 0        | 0         | 1.77   | 10     | 5000   | 94%  | 70  | 130  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A            | ug/L         | 23.04184   | 0.9216736     |                  | 1     | 0        | 0         | 0.101  | 0.5    | 500    | 92%  | 70  | 130  | 0%   |   |
| Methylene chloride             | A            | ug/L         | 26.30581   | 1.0522324     |                  | 1     | 0        | 0         | 0.338  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| o-Xylene                       | A            | ug/L         | 23.64197   | 0.9456788     |                  | 1     | 0        | 0         | 0.0604 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Styrene                        | A            | ug/L         | 23.41194   | 0.9364776     |                  | 1     | 0        | 0         | 0.067  | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| Tetrachloroethene              | A            | ug/L         | 25.39483   | 1.0157932     |                  | 1     | 0        | 0         | 0.0671 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Toluene                        | A            | ug/L         | 23.63186   | 0.9452744     |                  | 1     | 0        | 0         | 0.0679 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| trans-1,2-Dichloroethene       | A            | ug/L         | 25.46407   | 1.0185628     |                  | 1     | 0        | 0         | 0.125  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| trans-1,3-Dichloropropene      | A            | ug/L         | 23.78943   | 0.9515772     |                  | 1     | 0        | 0         | 0.0846 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Trichloroethene                | A            | ug/L         | 24.14841   | 0.9659364     |                  | 1     | 0        | 0         | 0.0993 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Trichlorofluoromethane         | A            | ug/L         | 26.65307   | 1.0661228     |                  | 1     | 0        | 0         | 0.134  | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| Vinyl chloride                 | A            | ug/L         | 25.64884   | 1.0259536     |                  | 1     | 0        | 0         | 0.153  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Chlorobenzene-d5               | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Fluorobenzene                  | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Xylenes, Total                 | M            | ug/L         | 69.42552   | 2.7770208     |                  | 3     | 0        | 0         | 0.0604 | 0.5    | 1500   | 93%  | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane-d4          | S            | ug/L         | 25.72803   | 1.0291212     |                  | 1     | 0        | 0         | 0.229  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Dibromofluoromethane           | S            | ug/L         | 25.62188   | 1.0248752     |                  | 1     | 0        | 0         | 0.129  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| p-Bromofluorobenzene           | S            | ug/L         | 25.28989   | 1.0115956     |                  | 1     | 0        | 0         | 0.149  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| Toluene-d8                     | S            | ug/L         | 23.3046    | 0.932184      |                  | 1     | 0        | 0         | 0.23   | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970904                  | ICAL010422_4 | VOC-8260-W-Q | CAL4       | DA5975C\VG010 | 1/4/2022 4:55:32 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A            | ug/L         | 47.50287   | 1.9001148     |                  | 2     | 0        | 0         | 0.101  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 1,1,1-Trichloroethane     | A            | ug/L         | 48.26875   | 1.93075       |                  | 2     | 0        | 0         | 0.131  | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A            | ug/L         | 48.61239   | 1.9444956     |                  | 2     | 0        | 0         | 0.0872 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,1,2-Trichloroethane     | A            | ug/L         | 48.47589   | 1.9390356     |                  | 2     | 0        | 0         | 0.108  | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,1-Dichloroethane        | A            | ug/L         | 49.18279   | 1.9673116     |                  | 2     | 0        | 0         | 0.135  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,1-Dichloroethene        | A            | ug/L         | 48.80561   | 1.9522244     |                  | 2     | 0        | 0         | 0.141  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,1-Dichloropropene       | A            | ug/L         | 47.76266   | 1.9105064     |                  | 2     | 0        | 0         | 0.083  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| 1,2,3-Trichloropropane    | A            | ug/L         | 49.19244   | 1.9676976     |                  | 2     | 0        | 0         | 0.235  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,2-Dibromoethane         | A            | ug/L         | 49.38886   | 1.9755544     |                  | 2     | 0        | 0         | 0.0916 | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970904                       | ICAL010422_4 | VOC-8260-W-Q | CAL4       | DA5975C\VG010 | 1/4/2022 4:55:32 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene            | A            | ug/L         | 48.54976   | 1.9419904     |                  | 2     | 0        | 0         | 0.0746 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane             | A            | ug/L         | 48.98798   | 1.9595192     |                  | 2     | 0        | 0         | 0.116  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,2-Dichloropropane            | A            | ug/L         | 47.52725   | 1.90109       |                  | 2     | 0        | 0         | 0.0847 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 1,3-Dichlorobenzene            | A            | ug/L         | 47.38535   | 1.895414      |                  | 2     | 0        | 0         | 0.0803 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 1,3-Dichloropropane            | A            | ug/L         | 48.8841    | 1.955364      |                  | 2     | 0        | 0         | 0.0791 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene            | A            | ug/L         | 48.01064   | 1.9204256     |                  | 2     | 0        | 0         | 0.0858 | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| 2,2-Dichloropropane            | A            | ug/L         | 50.38039   | 2.0152156     |                  | 2     | 0        | 0         | 0.186  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 2-Chlorotoluene                | A            | ug/L         | 47.44663   | 1.8978652     |                  | 2     | 0        | 0         | 0.0876 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 4-Chlorotoluene                | A            | ug/L         | 48.3865    | 1.93546       |                  | 2     | 0        | 0         | 0.0728 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Benzene                        | A            | ug/L         | 48.00539   | 1.9202156     |                  | 2     | 0        | 0         | 0.0914 | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| Bromobenzene                   | A            | ug/L         | 47.5759    | 1.903036      |                  | 2     | 0        | 0         | 0.0831 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Bromochloromethane             | A            | ug/L         | 51.62325   | 2.06493       |                  | 2     | 0        | 0         | 0.141  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Bromodichloromethane           | A            | ug/L         | 47.2409    | 1.889636      |                  | 2     | 0        | 0         | 0.12   | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| Bromoform                      | A            | ug/L         | 50.51704   | 2.0206816     |                  | 2     | 0        | 0         | 0.119  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| Bromomethane                   | A            | ug/L         | 47.59212   | 1.9036848     |                  | 2     | 0        | 0         | 0.253  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Carbon tetrachloride           | A            | ug/L         | 47.75203   | 1.9100812     |                  | 2     | 0        | 0         | 0.143  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| Chlorobenzene                  | A            | ug/L         | 47.39593   | 1.8958372     |                  | 2     | 0        | 0         | 0.0914 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Chlorodibromomethane           | A            | ug/L         | 46.24113   | 1.8496452     |                  | 2     | 0        | 0         | 0.0841 | 0.5    | 500    | 92%  | 70  | 130  | 0%   |   |
| Chloroethane                   | A            | ug/L         | 46.22429   | 1.8489716     |                  | 2     | 0        | 0         | 0.169  | 0.5    | 500    | 92%  | 70  | 130  | 0%   |   |
| Chloroform                     | A            | ug/L         | 48.20314   | 1.9281256     |                  | 2     | 0        | 0         | 0.0789 | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| Chloromethane                  | A            | ug/L         | 49.79828   | 1.9919312     |                  | 2     | 0        | 0         | 0.162  | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| cis-1,2-Dichloroethene         | A            | ug/L         | 48.41535   | 1.936614      |                  | 2     | 0        | 0         | 0.108  | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| cis-1,3-Dichloropropene        | A            | ug/L         | 46.52826   | 1.8611304     |                  | 2     | 0        | 0         | 0.073  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| Dibromomethane                 | A            | ug/L         | 47.4844    | 1.899376      |                  | 2     | 0        | 0         | 0.147  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Dichlorodifluoromethane        | A            | ug/L         | 49.48348   | 1.9793392     |                  | 2     | 0        | 0         | 0.175  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Ethylbenzene                   | A            | ug/L         | 46.80795   | 1.872318      |                  | 2     | 0        | 0         | 0.0836 | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| m+p-Xylenes                    | A            | ug/L         | 92.53468   | 3.7013872     |                  | 4     | 0        | 0         | 0.15   | 0.5    | 1000   | 93%  | 70  | 130  | 0%   |   |
| Methyl ethyl ketone            | A            | ug/L         | 479.42958  | 19.1771832    |                  | 20    | 0        | 0         | 1.77   | 10     | 5000   | 96%  | 70  | 130  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A            | ug/L         | 47.53006   | 1.9012024     |                  | 2     | 0        | 0         | 0.101  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Methylene chloride             | A            | ug/L         | 50.44212   | 2.0176848     |                  | 2     | 0        | 0         | 0.338  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| o-Xylene                       | A            | ug/L         | 47.5086    | 1.900344      |                  | 2     | 0        | 0         | 0.0604 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Styrene                        | A            | ug/L         | 46.70518   | 1.8682072     |                  | 2     | 0        | 0         | 0.067  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| Tetrachloroethene              | A            | ug/L         | 46.29317   | 1.8517268     |                  | 2     | 0        | 0         | 0.0671 | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| Toluene                        | A            | ug/L         | 47.01163   | 1.8804652     |                  | 2     | 0        | 0         | 0.0679 | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| trans-1,2-Dichloroethene       | A            | ug/L         | 49.51777   | 1.9807108     |                  | 2     | 0        | 0         | 0.125  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970904                  | ICAL010422_4 | VOC-8260-W-Q | CAL4       | DA5975C\VG010 | 1/4/2022 4:55:32 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| trans-1,3-Dichloropropene | A            | ug/L         | 47.0378    | 1.881512      |                  | 2     | 0        | 0         | 0.0846 | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| Trichloroethene           | A            | ug/L         | 47.11894   | 1.8847576     |                  | 2     | 0        | 0         | 0.0993 | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| Trichlorofluoromethane    | A            | ug/L         | 49.31283   | 1.9725132     |                  | 2     | 0        | 0         | 0.134  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Vinyl chloride            | A            | ug/L         | 48.95796   | 1.9583184     |                  | 2     | 0        | 0         | 0.153  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene-d4    | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Chlorobenzene-d5          | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Fluorobenzene             | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Xylenes, Total            | M            | ug/L         | 140.04328  | 5.6017312     |                  | 6     | 0        | 0         | 0.0604 | 0.5    | 1500   | 93%  | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane-d4     | S            | ug/L         | 48.12519   | 1.9250076     |                  | 2     | 0        | 0         | 0.229  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| Dibromofluoromethane      | S            | ug/L         | 48.16607   | 1.9266428     |                  | 2     | 0        | 0         | 0.129  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| p-Bromofluorobenzene      | S            | ug/L         | 46.6647    | 1.866588      |                  | 2     | 0        | 0         | 0.149  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| Toluene-d8                | S            | ug/L         | 47.14406   | 1.8857624     |                  | 2     | 0        | 0         | 0.23   | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970905                  | ICAL010422_5 | VOC-8260-W-Q | CAL5       | DA5975C\VG010 | 1/4/2022 5:50:25 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A            | ug/L         | 119.0492   | 4.761968      |                  | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 1,1,1-Trichloroethane     | A            | ug/L         | 118.57641  | 4.7430564     |                  | 5     | 0        | 0         | 0.131  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A            | ug/L         | 115.61793  | 4.6247172     |                  | 5     | 0        | 0         | 0.0872 | 0.5    | 500    | 92%  | 70  | 130  | 0%   |   |
| 1,1,2-Trichloroethane     | A            | ug/L         | 117.41297  | 4.6965188     |                  | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| 1,1-Dichloroethane        | A            | ug/L         | 118.11254  | 4.7245016     |                  | 5     | 0        | 0         | 0.135  | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| 1,1-Dichloroethene        | A            | ug/L         | 119.87977  | 4.7951908     |                  | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| 1,1-Dichloropropene       | A            | ug/L         | 119.80016  | 4.7920064     |                  | 5     | 0        | 0         | 0.083  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| 1,2,3-Trichloropropane    | A            | ug/L         | 112.62609  | 4.5050436     |                  | 5     | 0        | 0         | 0.235  | 0.5    | 500    | 90%  | 70  | 130  | 0%   |   |
| 1,2-Dibromoethane         | A            | ug/L         | 119.23942  | 4.7695768     |                  | 5     | 0        | 0         | 0.0916 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 1,2-Dichlorobenzene       | A            | ug/L         | 115.43227  | 4.6172908     |                  | 5     | 0        | 0         | 0.0746 | 0.5    | 500    | 92%  | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane        | A            | ug/L         | 118.21434  | 4.7285736     |                  | 5     | 0        | 0         | 0.116  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 1,2-Dichloropropane       | A            | ug/L         | 121.98902  | 4.8795608     |                  | 5     | 0        | 0         | 0.0847 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,3-Dichlorobenzene       | A            | ug/L         | 117.4899   | 4.699596      |                  | 5     | 0        | 0         | 0.0803 | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| 1,3-Dichloropropane       | A            | ug/L         | 123.01316  | 4.9205264     |                  | 5     | 0        | 0         | 0.0791 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene       | A            | ug/L         | 118.7699   | 4.750796      |                  | 5     | 0        | 0         | 0.0858 | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 2,2-Dichloropropane       | A            | ug/L         | 118.32027  | 4.7328108     |                  | 5     | 0        | 0         | 0.186  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| 2-Chlorotoluene           | A            | ug/L         | 120.26748  | 4.8106992     |                  | 5     | 0        | 0         | 0.0876 | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| 4-Chlorotoluene           | A            | ug/L         | 121.05908  | 4.8423632     |                  | 5     | 0        | 0         | 0.0728 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID      | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|--------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970905                       | ICAL010422_5 | VOC-8260-W-Q | CAL5       | DA5975CVG010 | 1/4/2022 5:50:25 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final        | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Benzene                        | A            | ug/L         | 116.95526  | 4.6782104    |                  | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| Bromobenzene                   | A            | ug/L         | 119.48008  | 4.7792032    |                  | 5     | 0        | 0         | 0.0831 | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| Bromochloromethane             | A            | ug/L         | 118.06829  | 4.7227316    |                  | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| Bromodichloromethane           | A            | ug/L         | 121.97488  | 4.8789952    |                  | 5     | 0        | 0         | 0.12   | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| Bromoform                      | A            | ug/L         | 115.7218   | 4.628872     |                  | 5     | 0        | 0         | 0.119  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| Bromomethane                   | A            | ug/L         | 123.65037  | 4.9460148    |                  | 5     | 0        | 0         | 0.253  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Carbon tetrachloride           | A            | ug/L         | 119.4667   | 4.778668     |                  | 5     | 0        | 0         | 0.143  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| Chlorobenzene                  | A            | ug/L         | 120.69031  | 4.8276124    |                  | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Chlorodibromomethane           | A            | ug/L         | 120.74537  | 4.8298148    |                  | 5     | 0        | 0         | 0.0841 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Chloroethane                   | A            | ug/L         | 122.40855  | 4.896342     |                  | 5     | 0        | 0         | 0.169  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| Chloroform                     | A            | ug/L         | 114.59119  | 4.5836476    |                  | 5     | 0        | 0         | 0.0789 | 0.5    | 500    | 92%  | 70  | 130  | 0%   |   |
| Chloromethane                  | A            | ug/L         | 122.61785  | 4.904714     |                  | 5     | 0        | 0         | 0.162  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| cis-1,2-Dichloroethene         | A            | ug/L         | 116.61895  | 4.664758     |                  | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| cis-1,3-Dichloropropene        | A            | ug/L         | 120.71159  | 4.8284636    |                  | 5     | 0        | 0         | 0.073  | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Dibromomethane                 | A            | ug/L         | 118.24252  | 4.7297008    |                  | 5     | 0        | 0         | 0.147  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| Dichlorodifluoromethane        | A            | ug/L         | 127.81927  | 5.1127708    |                  | 5     | 0        | 0         | 0.175  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Ethylbenzene                   | A            | ug/L         | 122.52434  | 4.9009736    |                  | 5     | 0        | 0         | 0.0836 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| m+p-Xylenes                    | A            | ug/L         | 250.25869  | 10.0103476   |                  | 10    | 0        | 0         | 0.15   | 0.5    | 1000   | 100% | 70  | 130  | 0%   |   |
| Methyl ethyl ketone            | A            | ug/L         | 1159.30194 | 46.3720776   |                  | 50    | 0        | 0         | 1.77   | 10     | 5000   | 93%  | 70  | 130  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A            | ug/L         | 127.13745  | 5.085498     |                  | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Methylene chloride             | A            | ug/L         | 110.6249   | 4.424996     |                  | 5     | 0        | 0         | 0.338  | 0.5    | 500    | 88%  | 70  | 130  | 0%   |   |
| o-Xylene                       | A            | ug/L         | 123.23778  | 4.9295112    |                  | 5     | 0        | 0         | 0.0604 | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Styrene                        | A            | ug/L         | 127.19102  | 5.0876408    |                  | 5     | 0        | 0         | 0.067  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Tetrachloroethene              | A            | ug/L         | 119.90031  | 4.7960124    |                  | 5     | 0        | 0         | 0.0671 | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| Toluene                        | A            | ug/L         | 122.65711  | 4.9062844    |                  | 5     | 0        | 0         | 0.0679 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| trans-1,2-Dichloroethene       | A            | ug/L         | 118.65107  | 4.7460428    |                  | 5     | 0        | 0         | 0.125  | 0.5    | 500    | 95%  | 70  | 130  | 0%   |   |
| trans-1,3-Dichloropropene      | A            | ug/L         | 121.49288  | 4.8597152    |                  | 5     | 0        | 0         | 0.0846 | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Trichloroethene                | A            | ug/L         | 123.46463  | 4.9385852    |                  | 5     | 0        | 0         | 0.0993 | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Trichlorofluoromethane         | A            | ug/L         | 129.06871  | 5.1627484    |                  | 5     | 0        | 0         | 0.134  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Vinyl chloride                 | A            | ug/L         | 125.88087  | 5.0352348    |                  | 5     | 0        | 0         | 0.153  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I            | ug/L         | 250        | 10           |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Chlorobenzene-d5               | I            | ug/L         | 250        | 10           |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Fluorobenzene                  | I            | ug/L         | 250        | 10           |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Xylenes, Total                 | M            | ug/L         | 373.49647  | 14.9398588   |                  | 15    | 0        | 0         | 0.0604 | 0.5    | 1500   | 100% | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane-d4          | S            | ug/L         | 116.64203  | 4.6656812    |                  | 5     | 0        | 0         | 0.229  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |



| Seq No               | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970905             | ICAL010422_5 | VOC-8260-W-Q | CAL5       | DA5975C\VG010 | 1/4/2022 5:50:25 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte              | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Dibromofluoromethane | S            | ug/L         | 115.11464  | 4.6045856     |                  | 5     | 0        | 0         | 0.129  | 0.5    | 500    | 92%  | 70  | 130  | 0%   |   |
| p-Bromofluorobenzene | S            | ug/L         | 117.93503  | 4.7174012     |                  | 5     | 0        | 0         | 0.149  | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| Toluene-d8           | S            | ug/L         | 121.27495  | 4.850998      |                  | 5     | 0        | 0         | 0.23   | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970906                  | ICAL010422_6 | VOC-8260-W-Q | CAL6       | DA5975C\VG010 | 1/4/2022 6:45:10 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A            | ug/L         | 254.82737  | 10.1930948    |                  | 10    | 0        | 0         | 0.101  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| 1,1,1-Trichloroethane     | A            | ug/L         | 258.72281  | 10.3489124    |                  | 10    | 0        | 0         | 0.131  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A            | ug/L         | 250.15769  | 10.0063076    |                  | 10    | 0        | 0         | 0.0872 | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 1,1,2-Trichloroethane     | A            | ug/L         | 248.28816  | 9.9315264     |                  | 10    | 0        | 0         | 0.108  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| 1,1-Dichloroethane        | A            | ug/L         | 258.43252  | 10.3373008    |                  | 10    | 0        | 0         | 0.135  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,1-Dichloroethene        | A            | ug/L         | 258.09028  | 10.3236112    |                  | 10    | 0        | 0         | 0.141  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,1-Dichloropropene       | A            | ug/L         | 264.6638   | 10.586552     |                  | 10    | 0        | 0         | 0.083  | 0.5    | 500    | 106% | 70  | 130  | 0%   |   |
| 1,2,3-Trichloropropane    | A            | ug/L         | 249.26347  | 9.9705388     |                  | 10    | 0        | 0         | 0.235  | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 1,2-Dibromoethane         | A            | ug/L         | 257.88869  | 10.3155476    |                  | 10    | 0        | 0         | 0.0916 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,2-Dichlorobenzene       | A            | ug/L         | 257.65242  | 10.3060968    |                  | 10    | 0        | 0         | 0.0746 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane        | A            | ug/L         | 251.96754  | 10.0787016    |                  | 10    | 0        | 0         | 0.116  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 1,2-Dichloropropane       | A            | ug/L         | 254.71606  | 10.1886424    |                  | 10    | 0        | 0         | 0.0847 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| 1,3-Dichlorobenzene       | A            | ug/L         | 258.62971  | 10.3451884    |                  | 10    | 0        | 0         | 0.0803 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,3-Dichloropropane       | A            | ug/L         | 263.47539  | 10.5390156    |                  | 10    | 0        | 0         | 0.0791 | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene       | A            | ug/L         | 254.91697  | 10.1966788    |                  | 10    | 0        | 0         | 0.0858 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| 2,2-Dichloropropane       | A            | ug/L         | 253.03965  | 10.121586     |                  | 10    | 0        | 0         | 0.186  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 2-Chlorotoluene           | A            | ug/L         | 267.26165  | 10.690466     |                  | 10    | 0        | 0         | 0.0876 | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| 4-Chlorotoluene           | A            | ug/L         | 267.44092  | 10.6976368    |                  | 10    | 0        | 0         | 0.0728 | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| Benzene                   | A            | ug/L         | 257.54165  | 10.301666     |                  | 10    | 0        | 0         | 0.0914 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Bromobenzene              | A            | ug/L         | 263.29438  | 10.5317752    |                  | 10    | 0        | 0         | 0.0831 | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| Bromochloromethane        | A            | ug/L         | 247.05862  | 9.8823448     |                  | 10    | 0        | 0         | 0.141  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Bromodichloromethane      | A            | ug/L         | 257.22856  | 10.2891424    |                  | 10    | 0        | 0         | 0.12   | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Bromoform                 | A            | ug/L         | 257.5099   | 10.300396     |                  | 10    | 0        | 0         | 0.119  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Bromomethane              | A            | ug/L         | 251.76065  | 10.070426     |                  | 10    | 0        | 0         | 0.253  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| Carbon tetrachloride      | A            | ug/L         | 260.87744  | 10.4350976    |                  | 10    | 0        | 0         | 0.143  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Chlorobenzene             | A            | ug/L         | 258.25445  | 10.330178     |                  | 10    | 0        | 0         | 0.0914 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Chlorodibromomethane      | A            | ug/L         | 258.35353  | 10.3341412    |                  | 10    | 0        | 0         | 0.0841 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970906                       | ICAL010422_6 | VOC-8260-W-Q | CAL6       | DA5975C\VG010 | 1/4/2022 6:45:10 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Chloroethane                   | A            | ug/L         | 231.74321  | 9.2697284     |                  | 10    | 0        | 0         | 0.169  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| Chloroform                     | A            | ug/L         | 248.08043  | 9.9232172     |                  | 10    | 0        | 0         | 0.0789 | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Chloromethane                  | A            | ug/L         | 240.2183   | 9.608732      |                  | 10    | 0        | 0         | 0.162  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| cis-1,2-Dichloroethene         | A            | ug/L         | 261.87064  | 10.4748256    |                  | 10    | 0        | 0         | 0.108  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| cis-1,3-Dichloropropene        | A            | ug/L         | 265.28626  | 10.6114504    |                  | 10    | 0        | 0         | 0.073  | 0.5    | 500    | 106% | 70  | 130  | 0%   |   |
| Dibromomethane                 | A            | ug/L         | 252.27336  | 10.0909344    |                  | 10    | 0        | 0         | 0.147  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| Dichlorodifluoromethane        | A            | ug/L         | 252.15586  | 10.0862344    |                  | 10    | 0        | 0         | 0.175  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| Ethylbenzene                   | A            | ug/L         | 266.81931  | 10.6727724    |                  | 10    | 0        | 0         | 0.0836 | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| m+p-Xylenes                    | A            | ug/L         | 543.42617  | 21.7370468    |                  | 20    | 0        | 0         | 0.15   | 0.5    | 1000   | 109% | 70  | 130  | 0%   |   |
| Methyl ethyl ketone            | A            | ug/L         | 2688.24739 | 107.529896    |                  | 100   | 0        | 0         | 1.77   | 10     | 5000   | 108% | 70  | 130  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A            | ug/L         | 258.95351  | 10.3581404    |                  | 10    | 0        | 0         | 0.101  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Methylene chloride             | A            | ug/L         | 235.46573  | 9.4186292     |                  | 10    | 0        | 0         | 0.338  | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| o-Xylene                       | A            | ug/L         | 270.46357  | 10.8185428    |                  | 10    | 0        | 0         | 0.0604 | 0.5    | 500    | 108% | 70  | 130  | 0%   |   |
| Styrene                        | A            | ug/L         | 278.0455   | 11.12182      |                  | 10    | 0        | 0         | 0.067  | 0.5    | 500    | 111% | 70  | 130  | 0%   |   |
| Tetrachloroethene              | A            | ug/L         | 259.74185  | 10.389674     |                  | 10    | 0        | 0         | 0.0671 | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Toluene                        | A            | ug/L         | 263.13299  | 10.5253196    |                  | 10    | 0        | 0         | 0.0679 | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| trans-1,2-Dichloroethene       | A            | ug/L         | 254.6608   | 10.186432     |                  | 10    | 0        | 0         | 0.125  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| trans-1,3-Dichloropropene      | A            | ug/L         | 263.80268  | 10.5521072    |                  | 10    | 0        | 0         | 0.0846 | 0.5    | 500    | 106% | 70  | 130  | 0%   |   |
| Trichloroethene                | A            | ug/L         | 262.29307  | 10.4917228    |                  | 10    | 0        | 0         | 0.0993 | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| Trichlorofluoromethane         | A            | ug/L         | 259.05024  | 10.3620096    |                  | 10    | 0        | 0         | 0.134  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Vinyl chloride                 | A            | ug/L         | 248.65325  | 9.94613       |                  | 10    | 0        | 0         | 0.153  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Chlorobenzene-d5               | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Fluorobenzene                  | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Xylenes, Total                 | M            | ug/L         | 813.88974  | 32.5555896    |                  | 30    | 0        | 0         | 0.0604 | 0.5    | 1500   | 109% | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane-d4          | S            | ug/L         | 258.23239  | 10.3292956    |                  | 10    | 0        | 0         | 0.229  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Dibromofluoromethane           | S            | ug/L         | 259.02233  | 10.3608932    |                  | 10    | 0        | 0         | 0.129  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| p-Bromofluorobenzene           | S            | ug/L         | 267.31855  | 10.692742     |                  | 10    | 0        | 0         | 0.149  | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| Toluene-d8                     | S            | ug/L         | 270.0265   | 10.80106      |                  | 10    | 0        | 0         | 0.23   | 0.5    | 500    | 108% | 70  | 130  | 0%   |   |

| Seq No   | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970907 | ICAL010422_7 | VOC-8260-W-Q | CAL7       | DA5975C\VG010 | 1/4/2022 7:39:45 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte  | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970907                  | ICAL010422_7 | VOC-8260-W-Q | CAL7       | DA5975C\VG010 | 1/4/2022 7:39:45 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A            | ug/L         | 392.18595  | 15.687438     |                  | 15    | 0        | 0         | 0.101  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| 1,1,1-Trichloroethane     | A            | ug/L         | 386.6625   | 15.4665       |                  | 15    | 0        | 0         | 0.131  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A            | ug/L         | 367.42759  | 14.6971036    |                  | 15    | 0        | 0         | 0.0872 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,1,2-Trichloroethane     | A            | ug/L         | 373.25341  | 14.9301364    |                  | 15    | 0        | 0         | 0.108  | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 1,1-Dichloroethane        | A            | ug/L         | 380.44366  | 15.2177464    |                  | 15    | 0        | 0         | 0.135  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 1,1-Dichloroethene        | A            | ug/L         | 380.37253  | 15.2149012    |                  | 15    | 0        | 0         | 0.141  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 1,1-Dichloropropene       | A            | ug/L         | 397.13223  | 15.8852892    |                  | 15    | 0        | 0         | 0.083  | 0.5    | 500    | 106% | 70  | 130  | 0%   |   |
| 1,2,3-Trichloropropane    | A            | ug/L         | 363.67316  | 14.5469264    |                  | 15    | 0        | 0         | 0.235  | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| 1,2-Dibromoethane         | A            | ug/L         | 377.7698   | 15.110792     |                  | 15    | 0        | 0         | 0.0916 | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 1,2-Dichlorobenzene       | A            | ug/L         | 375.32826  | 15.0131304    |                  | 15    | 0        | 0         | 0.0746 | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane        | A            | ug/L         | 366.9787   | 14.679148     |                  | 15    | 0        | 0         | 0.116  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,2-Dichloropropane       | A            | ug/L         | 388.85021  | 15.5540084    |                  | 15    | 0        | 0         | 0.0847 | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| 1,3-Dichlorobenzene       | A            | ug/L         | 383.62247  | 15.3448988    |                  | 15    | 0        | 0         | 0.0803 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| 1,3-Dichloropropane       | A            | ug/L         | 389.34421  | 15.5737684    |                  | 15    | 0        | 0         | 0.0791 | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene       | A            | ug/L         | 371.39689  | 14.8558756    |                  | 15    | 0        | 0         | 0.0858 | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| 2,2-Dichloropropane       | A            | ug/L         | 369.84356  | 14.7937424    |                  | 15    | 0        | 0         | 0.186  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| 2-Chlorotoluene           | A            | ug/L         | 391.82688  | 15.6730752    |                  | 15    | 0        | 0         | 0.0876 | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| 4-Chlorotoluene           | A            | ug/L         | 396.27563  | 15.8510252    |                  | 15    | 0        | 0         | 0.0728 | 0.5    | 500    | 106% | 70  | 130  | 0%   |   |
| Benzene                   | A            | ug/L         | 385.85261  | 15.4341044    |                  | 15    | 0        | 0         | 0.0914 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Bromobenzene              | A            | ug/L         | 386.44198  | 15.4576792    |                  | 15    | 0        | 0         | 0.0831 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Bromochloromethane        | A            | ug/L         | 371.80037  | 14.8720148    |                  | 15    | 0        | 0         | 0.141  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Bromodichloromethane      | A            | ug/L         | 386.19404  | 15.4477616    |                  | 15    | 0        | 0         | 0.12   | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Bromoform                 | A            | ug/L         | 378.22002  | 15.1288008    |                  | 15    | 0        | 0         | 0.119  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| Bromomethane              | A            | ug/L         | 385.12594  | 15.4050376    |                  | 15    | 0        | 0         | 0.253  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Carbon tetrachloride      | A            | ug/L         | 386.9014   | 15.476056     |                  | 15    | 0        | 0         | 0.143  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Chlorobenzene             | A            | ug/L         | 386.94547  | 15.4778188    |                  | 15    | 0        | 0         | 0.0914 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Chlorodibromomethane      | A            | ug/L         | 387.68121  | 15.5072484    |                  | 15    | 0        | 0         | 0.0841 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Chloroethane              | A            | ug/L         | 364.45728  | 14.5782912    |                  | 15    | 0        | 0         | 0.169  | 0.5    | 500    | 97%  | 70  | 130  | 0%   |   |
| Chloroform                | A            | ug/L         | 366.93889  | 14.6775556    |                  | 15    | 0        | 0         | 0.0789 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| Chloromethane             | A            | ug/L         | 352.08363  | 14.0833452    |                  | 15    | 0        | 0         | 0.162  | 0.5    | 500    | 94%  | 70  | 130  | 0%   |   |
| cis-1,2-Dichloroethene    | A            | ug/L         | 386.72365  | 15.468946     |                  | 15    | 0        | 0         | 0.108  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| cis-1,3-Dichloropropene   | A            | ug/L         | 400.79296  | 16.0317184    |                  | 15    | 0        | 0         | 0.073  | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| Dibromomethane            | A            | ug/L         | 380.65469  | 15.2261876    |                  | 15    | 0        | 0         | 0.147  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Dichlorodifluoromethane   | A            | ug/L         | 373.94485  | 14.957794     |                  | 15    | 0        | 0         | 0.175  | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| Ethylbenzene              | A            | ug/L         | 404.7587   | 16.190348     |                  | 15    | 0        | 0         | 0.0836 | 0.5    | 500    | 108% | 70  | 130  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970907                       | ICAL010422_7 | VOC-8260-W-Q | CAL7       | DA5975C\VG010 | 1/4/2022 7:39:45 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A            | ug/L         | 812.85557  | 32.5142228    |                  | 30    | 0        | 0         | 0.15   | 0.5    | 1000   | 108% | 70  | 130  | 0%   |   |
| Methyl ethyl ketone            | A            | ug/L         | 3961.341   | 158.45364     |                  | 150   | 0        | 0         | 1.77   | 10     | 5000   | 106% | 70  | 130  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A            | ug/L         | 391.17667  | 15.6470668    |                  | 15    | 0        | 0         | 0.101  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Methylene chloride             | A            | ug/L         | 348.06663  | 13.9226652    |                  | 15    | 0        | 0         | 0.338  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| o-Xylene                       | A            | ug/L         | 408.20432  | 16.3281728    |                  | 15    | 0        | 0         | 0.0604 | 0.5    | 500    | 109% | 70  | 130  | 0%   |   |
| Styrene                        | A            | ug/L         | 413.75947  | 16.5503788    |                  | 15    | 0        | 0         | 0.067  | 0.5    | 500    | 110% | 70  | 130  | 0%   |   |
| Tetrachloroethene              | A            | ug/L         | 382.87963  | 15.3151852    |                  | 15    | 0        | 0         | 0.0671 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Toluene                        | A            | ug/L         | 397.01061  | 15.8804244    |                  | 15    | 0        | 0         | 0.0679 | 0.5    | 500    | 106% | 70  | 130  | 0%   |   |
| trans-1,2-Dichloroethene       | A            | ug/L         | 376.13673  | 15.0454692    |                  | 15    | 0        | 0         | 0.125  | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| trans-1,3-Dichloropropene      | A            | ug/L         | 402.10977  | 16.0843908    |                  | 15    | 0        | 0         | 0.0846 | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| Trichloroethene                | A            | ug/L         | 394.48959  | 15.7795836    |                  | 15    | 0        | 0         | 0.0993 | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| Trichlorofluoromethane         | A            | ug/L         | 371.42899  | 14.8571596    |                  | 15    | 0        | 0         | 0.134  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Vinyl chloride                 | A            | ug/L         | 372.35639  | 14.8942556    |                  | 15    | 0        | 0         | 0.153  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Chlorobenzene-d5               | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Fluorobenzene                  | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Xylenes, Total                 | M            | ug/L         | 1221.05989 | 48.8423956    |                  | 45    | 0        | 0         | 0.0604 | 0.5    | 1500   | 109% | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane-d4          | S            | ug/L         | 378.33349  | 15.1333396    |                  | 15    | 0        | 0         | 0.229  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| Dibromofluoromethane           | S            | ug/L         | 384.7503   | 15.390012     |                  | 15    | 0        | 0         | 0.129  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| p-Bromofluorobenzene           | S            | ug/L         | 394.65655  | 15.786262     |                  | 15    | 0        | 0         | 0.149  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| Toluene-d8                     | S            | ug/L         | 405.5583   | 16.222332     |                  | 15    | 0        | 0         | 0.23   | 0.5    | 500    | 108% | 70  | 130  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970908                  | ICAL010422_8 | VOC-8260-W-Q | CAL8       | DA5975C\VG010 | 1/4/2022 8:34:31 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A            | ug/L         | 520.28551  | 20.8114204    |                  | 20    | 0        | 0         | 0.101  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| 1,1,1-Trichloroethane     | A            | ug/L         | 518.83124  | 20.7532496    |                  | 20    | 0        | 0         | 0.131  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A            | ug/L         | 491.66999  | 19.6667996    |                  | 20    | 0        | 0         | 0.0872 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,1,2-Trichloroethane     | A            | ug/L         | 505.18031  | 20.2072124    |                  | 20    | 0        | 0         | 0.108  | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 1,1-Dichloroethane        | A            | ug/L         | 515.3207   | 20.612828     |                  | 20    | 0        | 0         | 0.135  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,1-Dichloroethene        | A            | ug/L         | 515.06031  | 20.6024124    |                  | 20    | 0        | 0         | 0.141  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| 1,1-Dichloropropene       | A            | ug/L         | 543.51208  | 21.7404832    |                  | 20    | 0        | 0         | 0.083  | 0.5    | 500    | 109% | 70  | 130  | 0%   |   |
| 1,2,3-Trichloropropane    | A            | ug/L         | 491.52294  | 19.6609176    |                  | 20    | 0        | 0         | 0.235  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| 1,2-Dibromoethane         | A            | ug/L         | 507.9234   | 20.316936     |                  | 20    | 0        | 0         | 0.0916 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970908                       | ICAL010422_8 | VOC-8260-W-Q | CAL8       | DA5975C\VG010 | 1/4/2022 8:34:31 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene            | A            | ug/L         | 506.38707  | 20.2554828    |                  | 20    | 0        | 0         | 0.0746 | 0.5    | 500    | 101% | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane             | A            | ug/L         | 497.36991  | 19.8947964    |                  | 20    | 0        | 0         | 0.116  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| 1,2-Dichloropropane            | A            | ug/L         | 524.16945  | 20.966778     |                  | 20    | 0        | 0         | 0.0847 | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| 1,3-Dichlorobenzene            | A            | ug/L         | 511.55042  | 20.4620168    |                  | 20    | 0        | 0         | 0.0803 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| 1,3-Dichloropropane            | A            | ug/L         | 511.24793  | 20.4499172    |                  | 20    | 0        | 0         | 0.0791 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene            | A            | ug/L         | 502.30007  | 20.0920028    |                  | 20    | 0        | 0         | 0.0858 | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 2,2-Dichloropropane            | A            | ug/L         | 499.04726  | 19.9618904    |                  | 20    | 0        | 0         | 0.186  | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 2-Chlorotoluene                | A            | ug/L         | 538.49638  | 21.5398552    |                  | 20    | 0        | 0         | 0.0876 | 0.5    | 500    | 108% | 70  | 130  | 0%   |   |
| 4-Chlorotoluene                | A            | ug/L         | 531.84706  | 21.2738824    |                  | 20    | 0        | 0         | 0.0728 | 0.5    | 500    | 106% | 70  | 130  | 0%   |   |
| Benzene                        | A            | ug/L         | 511.66576  | 20.4666304    |                  | 20    | 0        | 0         | 0.0914 | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Bromobenzene                   | A            | ug/L         | 516.0104   | 20.640416     |                  | 20    | 0        | 0         | 0.0831 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Bromochloromethane             | A            | ug/L         | 494.60544  | 19.7842176    |                  | 20    | 0        | 0         | 0.141  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Bromodichloromethane           | A            | ug/L         | 518.37176  | 20.7348704    |                  | 20    | 0        | 0         | 0.12   | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Bromoform                      | A            | ug/L         | 522.76605  | 20.910642     |                  | 20    | 0        | 0         | 0.119  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| Bromomethane                   | A            | ug/L         | 515.01414  | 20.6005656    |                  | 20    | 0        | 0         | 0.253  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Carbon tetrachloride           | A            | ug/L         | 521.26297  | 20.8505188    |                  | 20    | 0        | 0         | 0.143  | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Chlorobenzene                  | A            | ug/L         | 515.99575  | 20.63983      |                  | 20    | 0        | 0         | 0.0914 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Chlorodibromomethane           | A            | ug/L         | 520.43607  | 20.8174428    |                  | 20    | 0        | 0         | 0.0841 | 0.5    | 500    | 104% | 70  | 130  | 0%   |   |
| Chloroethane                   | A            | ug/L         | 481.51432  | 19.2605728    |                  | 20    | 0        | 0         | 0.169  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| Chloroform                     | A            | ug/L         | 489.12212  | 19.5648848    |                  | 20    | 0        | 0         | 0.0789 | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| Chloromethane                  | A            | ug/L         | 480.17469  | 19.2069876    |                  | 20    | 0        | 0         | 0.162  | 0.5    | 500    | 96%  | 70  | 130  | 0%   |   |
| cis-1,2-Dichloroethene         | A            | ug/L         | 516.05445  | 20.642178     |                  | 20    | 0        | 0         | 0.108  | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| cis-1,3-Dichloropropene        | A            | ug/L         | 538.90085  | 21.556034     |                  | 20    | 0        | 0         | 0.073  | 0.5    | 500    | 108% | 70  | 130  | 0%   |   |
| Dibromomethane                 | A            | ug/L         | 500.74556  | 20.0298224    |                  | 20    | 0        | 0         | 0.147  | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| Dichlorodifluoromethane        | A            | ug/L         | 494.74738  | 19.7898952    |                  | 20    | 0        | 0         | 0.175  | 0.5    | 500    | 99%  | 70  | 130  | 0%   |   |
| Ethylbenzene                   | A            | ug/L         | 544.68805  | 21.787522     |                  | 20    | 0        | 0         | 0.0836 | 0.5    | 500    | 109% | 70  | 130  | 0%   |   |
| m+p-Xylenes                    | A            | ug/L         | 1087.40818 | 43.4963272    |                  | 40    | 0        | 0         | 0.15   | 0.5    | 1000   | 109% | 70  | 130  | 0%   |   |
| Methyl ethyl ketone            | A            | ug/L         | 5327.12526 | 213.085010    |                  | 200   | 0        | 0         | 1.77   | 10     | 5000   | 107% | 70  | 130  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A            | ug/L         | 522.81865  | 20.912746     |                  | 20    | 0        | 0         | 0.101  | 0.5    | 500    | 105% | 70  | 130  | 0%   |   |
| Methylene chloride             | A            | ug/L         | 466.99932  | 18.6799728    |                  | 20    | 0        | 0         | 0.338  | 0.5    | 500    | 93%  | 70  | 130  | 0%   |   |
| o-Xylene                       | A            | ug/L         | 547.47638  | 21.8990552    |                  | 20    | 0        | 0         | 0.0604 | 0.5    | 500    | 109% | 70  | 130  | 0%   |   |
| Styrene                        | A            | ug/L         | 555.79455  | 22.231782     |                  | 20    | 0        | 0         | 0.067  | 0.5    | 500    | 111% | 70  | 130  | 0%   |   |
| Tetrachloroethene              | A            | ug/L         | 514.92548  | 20.5970192    |                  | 20    | 0        | 0         | 0.0671 | 0.5    | 500    | 103% | 70  | 130  | 0%   |   |
| Toluene                        | A            | ug/L         | 536.51007  | 21.4604028    |                  | 20    | 0        | 0         | 0.0679 | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| trans-1,2-Dichloroethene       | A            | ug/L         | 510.00974  | 20.4003896    |                  | 20    | 0        | 0         | 0.125  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970908                  | ICAL010422_8 | VOC-8260-W-Q | CAL8       | DA5975C\VG010 | 1/4/2022 8:34:31 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| trans-1,3-Dichloropropene | A            | ug/L         | 533.75507  | 21.3502028    |                  | 20    | 0        | 0         | 0.0846 | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| Trichloroethene           | A            | ug/L         | 534.40073  | 21.3760292    |                  | 20    | 0        | 0         | 0.0993 | 0.5    | 500    | 107% | 70  | 130  | 0%   |   |
| Trichlorofluoromethane    | A            | ug/L         | 489.6475   | 19.5859       |                  | 20    | 0        | 0         | 0.134  | 0.5    | 500    | 98%  | 70  | 130  | 0%   |   |
| Vinyl chloride            | A            | ug/L         | 498.3563   | 19.934252     |                  | 20    | 0        | 0         | 0.153  | 0.5    | 500    | 100% | 70  | 130  | 0%   |   |
| 1,4-Dichlorobenzene-d4    | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Chlorobenzene-d5          | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Fluorobenzene             | I            | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 70  | 130  | 0%   |   |
| Xylenes, Total            | M            | ug/L         | 1634.88456 | 65.3953824    |                  | 60    | 0        | 0         | 0.0604 | 0.5    | 1500   | 109% | 70  | 130  | 0%   |   |
| 1,2-Dichloroethane-d4     | S            | ug/L         | 510.30803  | 20.4123212    |                  | 20    | 0        | 0         | 0.229  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| Dibromofluoromethane      | S            | ug/L         | 510.39915  | 20.415966     |                  | 20    | 0        | 0         | 0.129  | 0.5    | 500    | 102% | 70  | 130  | 0%   |   |
| p-Bromofluorobenzene      | S            | ug/L         | 541.3964   | 21.655856     |                  | 20    | 0        | 0         | 0.149  | 0.5    | 500    | 108% | 70  | 130  | 0%   |   |
| Toluene-d8                | S            | ug/L         | 544.21357  | 21.7685428    |                  | 20    | 0        | 0         | 0.23   | 0.5    | 500    | 109% | 70  | 130  | 0%   |   |

| Seq No                    | Lab ID    | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|-----------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970909                  | ICV010422 | VOC-8260-W-Q | ICV        | DA5975C\VG010 | 1/4/2022 9:29:14 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T         | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A         | ug/L         | 126.66575  | 5.06663       |                  | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 101% | 80  | 120  | 0%   |   |
| 1,1,1-Trichloroethane     | A         | ug/L         | 128.25238  | 5.1300952     |                  | 5     | 0        | 0         | 0.131  | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A         | ug/L         | 127.47217  | 5.0988868     |                  | 5     | 0        | 0         | 0.0872 | 0.5    | 500    | 102% | 80  | 120  | 0%   |   |
| 1,1,2-Trichloroethane     | A         | ug/L         | 123.03611  | 4.9214444     |                  | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 98%  | 80  | 120  | 0%   |   |
| 1,1-Dichloroethane        | A         | ug/L         | 135.803    | 5.43212       |                  | 5     | 0        | 0         | 0.135  | 0.5    | 500    | 109% | 80  | 120  | 0%   |   |
| 1,1-Dichloroethene        | A         | ug/L         | 134.45663  | 5.3782652     |                  | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| 1,1-Dichloropropene       | A         | ug/L         | 124.18526  | 4.9674104     |                  | 5     | 0        | 0         | 0.083  | 0.5    | 500    | 99%  | 80  | 120  | 0%   |   |
| 1,2,3-Trichloropropane    | A         | ug/L         | 122.95232  | 4.9180928     |                  | 5     | 0        | 0         | 0.235  | 0.5    | 500    | 98%  | 80  | 120  | 0%   |   |
| 1,2-Dibromoethane         | A         | ug/L         | 124.27642  | 4.9710568     |                  | 5     | 0        | 0         | 0.0916 | 0.5    | 500    | 99%  | 80  | 120  | 0%   |   |
| 1,2-Dichlorobenzene       | A         | ug/L         | 128.71039  | 5.1484156     |                  | 5     | 0        | 0         | 0.0746 | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| 1,2-Dichloroethane        | A         | ug/L         | 120.79914  | 4.8319656     |                  | 5     | 0        | 0         | 0.116  | 0.5    | 500    | 97%  | 80  | 120  | 0%   |   |
| 1,2-Dichloropropane       | A         | ug/L         | 125.66265  | 5.026506      |                  | 5     | 0        | 0         | 0.0847 | 0.5    | 500    | 101% | 80  | 120  | 0%   |   |
| 1,3-Dichlorobenzene       | A         | ug/L         | 135.11854  | 5.4047416     |                  | 5     | 0        | 0         | 0.0803 | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| 1,3-Dichloropropane       | A         | ug/L         | 121.84417  | 4.8737668     |                  | 5     | 0        | 0         | 0.0791 | 0.5    | 500    | 97%  | 80  | 120  | 0%   |   |
| 1,4-Dichlorobenzene       | A         | ug/L         | 129.88123  | 5.1952492     |                  | 5     | 0        | 0         | 0.0858 | 0.5    | 500    | 104% | 80  | 120  | 0%   |   |
| 2,2-Dichloropropane       | A         | ug/L         | 131.40305  | 5.256122      |                  | 5     | 0        | 0         | 0.186  | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| 2-Chlorotoluene           | A         | ug/L         | 131.29475  | 5.25179       |                  | 5     | 0        | 0         | 0.0876 | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| 4-Chlorotoluene           | A         | ug/L         | 137.07902  | 5.4831608     |                  | 5     | 0        | 0         | 0.0728 | 0.5    | 500    | 110% | 80  | 120  | 0%   |   |

| Seq No                         | Lab ID    | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|-----------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970909                       | ICV010422 | VOC-8260-W-Q | ICV        | DA5975C\VG010 | 1/4/2022 9:29:14 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T         | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Benzene                        | A         | ug/L         | 131.31393  | 5.2525572     |                  | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| Bromobenzene                   | A         | ug/L         | 131.67879  | 5.2671516     |                  | 5     | 0        | 0         | 0.0831 | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| Bromochloromethane             | A         | ug/L         | 123.60094  | 4.9440376     |                  | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 99%  | 80  | 120  | 0%   |   |
| Bromodichloromethane           | A         | ug/L         | 128.87588  | 5.1550352     |                  | 5     | 0        | 0         | 0.12   | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| Bromoform                      | A         | ug/L         | 129.9644   | 5.198576      |                  | 5     | 0        | 0         | 0.119  | 0.5    | 500    | 104% | 80  | 120  | 0%   |   |
| Bromomethane                   | A         | ug/L         | 116.91567  | 4.6766268     |                  | 5     | 0        | 0         | 0.253  | 0.5    | 500    | 94%  | 80  | 120  | 0%   |   |
| Carbon tetrachloride           | A         | ug/L         | 128.79275  | 5.15171       |                  | 5     | 0        | 0         | 0.143  | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| Chlorobenzene                  | A         | ug/L         | 131.63517  | 5.2654068     |                  | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| Chlorodibromomethane           | A         | ug/L         | 125.11031  | 5.0044124     |                  | 5     | 0        | 0         | 0.0841 | 0.5    | 500    | 100% | 80  | 120  | 0%   |   |
| Chloroethane                   | A         | ug/L         | 115.59324  | 4.6237296     |                  | 5     | 0        | 0         | 0.169  | 0.5    | 500    | 92%  | 80  | 120  | 0%   |   |
| Chloroform                     | A         | ug/L         | 120.42358  | 4.8169432     |                  | 5     | 0        | 0         | 0.0789 | 0.5    | 500    | 96%  | 80  | 120  | 0%   |   |
| Chloromethane                  | A         | ug/L         | 108.77392  | 4.3509568     |                  | 5     | 0        | 0         | 0.162  | 0.5    | 500    | 87%  | 80  | 120  | 0%   |   |
| cis-1,2-Dichloroethene         | A         | ug/L         | 130.12309  | 5.2049236     |                  | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 104% | 80  | 120  | 0%   |   |
| cis-1,3-Dichloropropene        | A         | ug/L         | 121.55615  | 4.862246      |                  | 5     | 0        | 0         | 0.073  | 0.5    | 500    | 97%  | 80  | 120  | 0%   |   |
| Dibromomethane                 | A         | ug/L         | 125.30472  | 5.0121888     |                  | 5     | 0        | 0         | 0.147  | 0.5    | 500    | 100% | 80  | 120  | 0%   |   |
| Dichlorodifluoromethane        | A         | ug/L         | 111.37489  | 4.4549956     |                  | 5     | 0        | 0         | 0.175  | 0.5    | 500    | 89%  | 80  | 120  | 0%   |   |
| Ethylbenzene                   | A         | ug/L         | 131.91134  | 5.2764536     |                  | 5     | 0        | 0         | 0.0836 | 0.5    | 500    | 106% | 80  | 120  | 0%   |   |
| m+p-Xylenes                    | A         | ug/L         | 262.75886  | 10.5103544    |                  | 10    | 0        | 0         | 0.15   | 0.5    | 1000   | 105% | 80  | 120  | 0%   |   |
| Methyl ethyl ketone            | A         | ug/L         | 1198.44392 | 47.9377568    |                  | 50    | 0        | 0         | 1.77   | 10     | 5000   | 96%  | 80  | 120  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A         | ug/L         | 134.72237  | 5.3888948     |                  | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| Methylene chloride             | A         | ug/L         | 121.52968  | 4.8611872     |                  | 5     | 0        | 0         | 0.338  | 0.5    | 500    | 97%  | 80  | 120  | 0%   |   |
| o-Xylene                       | A         | ug/L         | 132.22141  | 5.2888564     |                  | 5     | 0        | 0         | 0.0604 | 0.5    | 500    | 106% | 80  | 120  | 0%   |   |
| Styrene                        | A         | ug/L         | 137.49736  | 5.4998944     |                  | 5     | 0        | 0         | 0.067  | 0.5    | 500    | 110% | 80  | 120  | 0%   |   |
| Tetrachloroethene              | A         | ug/L         | 126.01413  | 5.0405652     |                  | 5     | 0        | 0         | 0.0671 | 0.5    | 500    | 101% | 80  | 120  | 0%   |   |
| Toluene                        | A         | ug/L         | 132.0244   | 5.280976      |                  | 5     | 0        | 0         | 0.0679 | 0.5    | 500    | 106% | 80  | 120  | 0%   |   |
| trans-1,2-Dichloroethene       | A         | ug/L         | 134.70283  | 5.3881132     |                  | 5     | 0        | 0         | 0.125  | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| trans-1,3-Dichloropropene      | A         | ug/L         | 129.02156  | 5.1608624     |                  | 5     | 0        | 0         | 0.0846 | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| Trichloroethene                | A         | ug/L         | 131.10958  | 5.2443832     |                  | 5     | 0        | 0         | 0.0993 | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| Trichlorofluoromethane         | A         | ug/L         | 121.7847   | 4.871388      |                  | 5     | 0        | 0         | 0.134  | 0.5    | 500    | 97%  | 80  | 120  | 0%   |   |
| Vinyl chloride                 | A         | ug/L         | 120.15175  | 4.80607       |                  | 5     | 0        | 0         | 0.153  | 0.5    | 500    | 96%  | 80  | 120  | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I         | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I         | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I         | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M         | ug/L         | 394.98027  | 15.7992108    |                  | 15    | 0        | 0         | 0.0604 | 0.5    | 1500   | 105% | 80  | 120  | 0%   |   |
| 1,2-Dichloroethane-d4          | S         | ug/L         | 280.28858  | 11.2115432    |                  | 10    | 0        | 0         | 0.229  | 0.5    | 500    | 112% | 80  | 120  | 0%   |   |

| Seq No               | Lab ID    | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------------------|-----------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14970909             | ICV010422 | VOC-8260-W-Q | ICV        | DA5975C\VG010 | 1/4/2022 9:29:14 | 1     | R372940  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte              | T         | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Dibromofluoromethane | S         | ug/L         | 271.19937  | 10.8479748    |                  | 10    | 0        | 0         | 0.129  | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| p-Bromofluorobenzene | S         | ug/L         | 269.89759  | 10.7959036    |                  | 10    | 0        | 0         | 0.149  | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| Toluene-d8           | S         | ug/L         | 276.91062  | 11.0764248    |                  | 10    | 0        | 0         | 0.23   | 0.5    | 500    | 111% | 80  | 120  | 0%   |   |



Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN01.D  
Sample Name : PRIMER  
Operator : MSC  
Date injected : 4 Jan 2022 9:44 am  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 1

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN02.D  
Sample Name : BFB010422\_  
Operator : MSC  
Date injected : 4 Jan 2022 10:11 am  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 2

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN03.D  
Sample Name : CCV010422\_  
Operator : MSC  
Date injected : 4 Jan 2022 10:56 am  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 3

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN04.D  
Sample Name : PRIMER  
Misc. Info. : Replaced purge trap  
Operator : MSC  
Date injected : 4 Jan 2022 12:17 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 4

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN05.D  
Sample Name : BFB010422\_

Operator : MSC  
Date injected : 4 Jan 2022 12:44 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 5

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN06.D  
Sample Name : CCV010422\_  
Operator : MSC  
Date injected : 4 Jan 2022 1:24 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 6

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN07.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 4 Jan 2022 2:09 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 7

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN08.D  
Sample Name : BFB010422\_  
Operator : MSC  
Date injected : 4 Jan 2022 2:38 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 8

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN09.D  
Sample Name : MBLK010422\_  
Operator : MSC  
Date injected : 4 Jan 2022 3:05 pm  
Instrument : VOA5975C

Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 9

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN10.D  
Sample Name : ICAL010422\_1  
Operator : MSC  
Date injected : 4 Jan 2022 3:33 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 10

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN11.D  
Sample Name : ICAL010422\_2  
Operator : MSC  
Date injected : 4 Jan 2022 4:00 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 11

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN12.D  
Sample Name : ICAL010422\_3  
Operator : MSC  
Date injected : 4 Jan 2022 4:28 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 12

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN13.D  
Sample Name : ICAL010422\_4  
Operator : MSC  
Date injected : 4 Jan 2022 4:55 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840

End Time : 16.498  
Vial Number : 13

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN14.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 4 Jan 2022 5:22 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 14

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN15.D  
Sample Name : ICAL010422\_5  
Operator : MSC  
Date injected : 4 Jan 2022 5:50 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 15

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN16.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 4 Jan 2022 6:17 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 16

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN17.D  
Sample Name : ICAL010422\_6  
Operator : MSC  
Date injected : 4 Jan 2022 6:45 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 17

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN18.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 4 Jan 2022 7:12 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 18

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN19.D  
Sample Name : ICAL010422\_7  
Operator : MSC  
Date injected : 4 Jan 2022 7:39 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 19

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN20.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 4 Jan 2022 8:07 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 20

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN21.D  
Sample Name : ICAL010422\_8  
Operator : MSC  
Date injected : 4 Jan 2022 8:34 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 21

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN22.D  
Sample Name : BLK

Operator : MSC  
Date injected : 4 Jan 2022 9:01 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 22

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN23.D  
Sample Name : ICV010422  
Operator : MSC  
Date injected : 4 Jan 2022 9:29 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 23

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN24.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 4 Jan 2022 9:56 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 24

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN25.D  
Sample Name : MDL010422\_Q1\_1  
Operator : MSC  
Date injected : 4 Jan 2022 10:23 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 25

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN26.D  
Sample Name : LOD010422\_Q1\_HalfCAL2  
Operator : MSC  
Date injected : 4 Jan 2022 10:51 pm  
Instrument : VOA5975C

Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 26

---

Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN27.D  
Sample Name : MDL010422\_Q1\_2xCAL1  
Operator : MSC  
Date injected : 4 Jan 2022 11:18 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 27

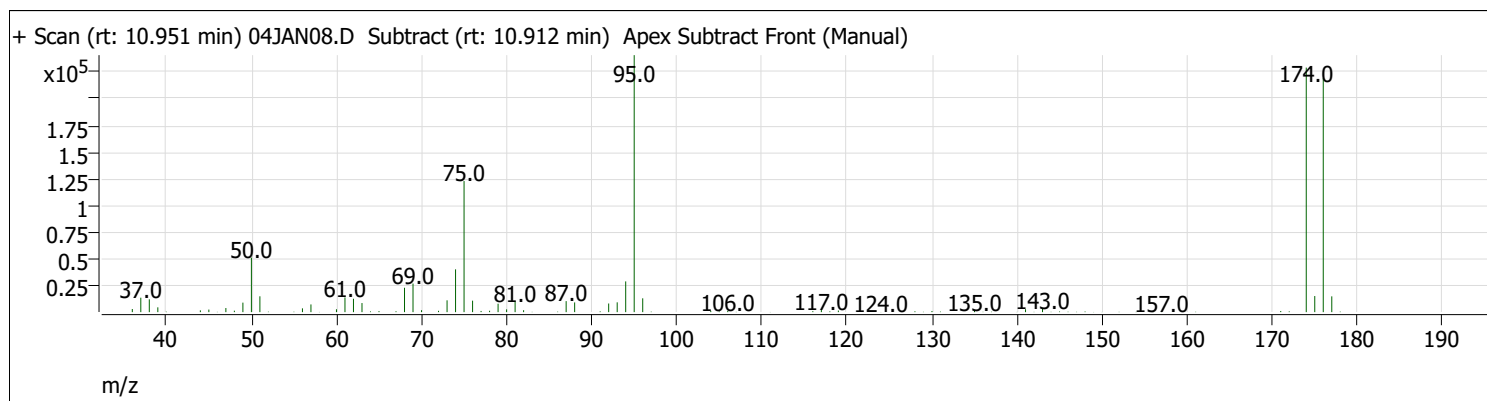
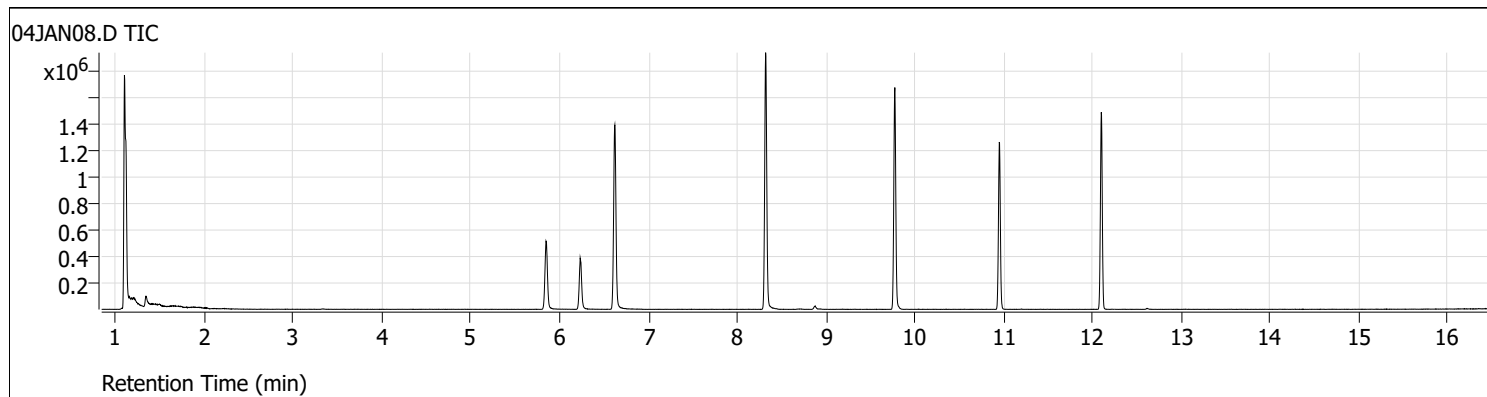
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Data file Name : C:\MSDCHEM\1\DATA\VG010422\04JAN28.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 4 Jan 2022 11:45 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 28

---

# Tune Evaluation Report

Data Path: D:\Org\Data\VOA5975C\VG010422\04JAN08.D  
 Acq on: 1/4/2022 2:38:09 PM  
 Operator: MSC  
 Sample: BFB010422\_  
 Inst Name: VOA5975C  
 ALS Vial: 8  
 Method: \\MASSHUNTER\Org\Data\Methods\BFBapex.m



| Target Mass | Rel. To Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|-----------|
| 50          | 95           | 15           | 40           | 21.2      | 51080   | Pass      |
| 75          | 95           | 30           | 60           | 51.0      | 122824  | Pass      |
| 95          | 95           | 100          | 100          | 100.0     | 240768  | Pass      |
| 96          | 95           | 5            | 9            | 5.4       | 12961   | Pass      |
| 173         | 174          | 0            | 2            | 0.0       | 0       | Pass      |
| 174         | 95           | 50           | 100          | 95.2      | 229120  | Pass      |
| 175         | 174          | 5            | 9            | 6.6       | 15102   | Pass      |
| 176         | 174          | 95           | 101          | 95.7      | 219264  | Pass      |
| 177         | 176          | 5            | 9            | 6.7       | 14796   | Pass      |



# Quantitative Analysis Results Summary Report

|                     |   |                      |                |
|---------------------|---|----------------------|----------------|
| Batch Path          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | Analyst Name         | BL2000\mchavez |
| Analysis Time       | 2/28/2022 1:57 PM   | Reporter Name        | BL2000\mchavez |
| Report Time         | 2/28/2022 2:00:48 PM  | Batch State          | Processed      |
| Last Calib Update   | 1/9/2022 8:59 PM  | Quant Report Version | 10.0           |
| Quant Batch Version | 10.0  |                      |                |

## Sequence Table

| Data File | sample Name  | Sample Type  | Vial Position | Inj Vol | Level | Acq Method File |
|-----------|--------------|--------------|---------------|---------|-------|-----------------|
| 04JAN09.D | MBLK010422_  | Method Blank | 9             | 0       |       | 5975CACQF.M     |
| 04JAN10.D | ICAL010422_1 | Cal          | 10            | 0       | 1     | 5975CACQF.M     |
| 04JAN11.D | ICAL010422_2 | Cal          | 11            | 0       | 2     | 5975CACQF.M     |
| 04JAN12.D | ICAL010422_3 | Cal          | 12            | 0       | 3     | 5975CACQF.M     |
| 04JAN13.D | ICAL010422_4 | Cal          | 13            | 0       | 4     | 5975CACQF.M     |
| 04JAN15.D | ICAL010422_5 | Cal          | 15            | 0       | 5     | 5975CACQF.M     |
| 04JAN17.D | ICAL010422_6 | Cal          | 17            | 0       | 6     | 5975CACQF.M     |
| 04JAN19.D | ICAL010422_7 | Cal          | 19            | 0       | 7     | 5975CACQF.M     |
| 04JAN21.D | ICAL010422_8 | Cal          | 21            | 0       | 8     | 5975CACQF.M     |
| 04JAN23.D | ICV010422    | QC           | 23            | 0       | QC    | 5975CACQF.M     |

## Quantitation Results

### Compound: Dichlorodifluoromethane

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 1.241 | 4353   | 770895    | 0.0056     | 4.3090     | 2.5000    | 172.4    |
| 04JAN11.D | Calibration | Fluorobenzene | 1.244 | 12087  | 764419    | 0.0158     | 12.0663    | 12.5000   | 96.5     |
| 04JAN12.D | Calibration | Fluorobenzene | 1.244 | 26627  | 791270    | 0.0337     | 25.6793    | 25.0000   | 102.7    |
| 04JAN13.D | Calibration | Fluorobenzene | 1.241 | 50457  | 778120    | 0.0648     | 49.4835    | 50.0000   | 99.0     |
| 04JAN15.D | Calibration | Fluorobenzene | 1.241 | 137933 | 823488    | 0.1675     | 127.8193   | 125.0000  | 102.3    |
| 04JAN17.D | Calibration | Fluorobenzene | 1.241 | 276334 | 836278    | 0.3304     | 252.1559   | 250.0000  | 100.9    |
| 04JAN19.D | Calibration | Fluorobenzene | 1.241 | 412544 | 841876    | 0.4900     | 373.9449   | 375.0000  | 99.7     |
| 04JAN21.D | Calibration | Fluorobenzene | 1.241 | 545484 | 841364    | 0.6483     | 494.7474   | 500.0000  | 98.9     |
| 04JAN23.D | QC          | Fluorobenzene | 1.241 | 116936 | 801210    | 0.1459     | 111.3749   | 125.0000  |          |

### Compound: Chloromethane

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene | 1.333 | 0      | 775552    | 0.0000     | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 1.406 | 7435   | 770895    | 0.0096     | 6.0637     | 2.5000    | 242.5    |
| 04JAN11.D | Calibration | Fluorobenzene | 1.406 | 16859  | 764419    | 0.0221     | 13.8661    | 12.5000   | 110.9    |
| 04JAN12.D | Calibration | Fluorobenzene | 1.406 | 33153  | 791270    | 0.0419     | 26.3422    | 25.0000   | 105.4    |
| 04JAN13.D | Calibration | Fluorobenzene | 1.408 | 61632  | 778120    | 0.0792     | 49.7983    | 50.0000   | 99.6     |
| 04JAN15.D | Calibration | Fluorobenzene | 1.409 | 160604 | 823488    | 0.1950     | 122.6179   | 125.0000  | 98.1     |
| 04JAN17.D | Calibration | Fluorobenzene | 1.408 | 319523 | 836278    | 0.3821     | 240.2183   | 250.0000  | 96.1     |
| 04JAN19.D | Calibration | Fluorobenzene | 1.409 | 471454 | 841876    | 0.5600     | 352.0836   | 375.0000  | 93.9     |
| 04JAN21.D | Calibration | Fluorobenzene | 1.406 | 642582 | 841364    | 0.7637     | 480.1747   | 500.0000  | 96.0     |

# Quantitative Analysis Results Summary Report

**Compound: Chloromethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN23.D | QC          | Fluorobenzene | 1.406 | 138617 | 801210    | 0.1730     | 108.7739   | 125.0000  |          |

**Compound: Vinyl chloride**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene | 1.489 | 0      | 775552    | 0.0000     | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 1.495 | 4274   | 770895    | 0.0055     | 3.8739     | 2.5000    | 155.0    |
| 04JAN11.D | Calibration | Fluorobenzene | 1.498 | 13724  | 764419    | 0.0180     | 12.5446    | 12.5000   | 100.4    |
| 04JAN12.D | Calibration | Fluorobenzene | 1.495 | 29046  | 791270    | 0.0367     | 25.6488    | 25.0000   | 102.6    |
| 04JAN13.D | Calibration | Fluorobenzene | 1.495 | 54521  | 778120    | 0.0701     | 48.9580    | 50.0000   | 97.9     |
| 04JAN15.D | Calibration | Fluorobenzene | 1.495 | 148358 | 823488    | 0.1802     | 125.8809   | 125.0000  | 100.7    |
| 04JAN17.D | Calibration | Fluorobenzene | 1.498 | 297604 | 836278    | 0.3559     | 248.6532   | 250.0000  | 99.5     |
| 04JAN19.D | Calibration | Fluorobenzene | 1.498 | 448643 | 841876    | 0.5329     | 372.3564   | 375.0000  | 99.3     |
| 04JAN21.D | Calibration | Fluorobenzene | 1.495 | 600092 | 841364    | 0.7132     | 498.3563   | 500.0000  | 99.7     |
| 04JAN23.D | QC          | Fluorobenzene | 1.495 | 137775 | 801210    | 0.1720     | 120.1518   | 125.0000  |          |

**Compound: Bromomethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 1.796 | 1902   | 770895    | 0.0025     | 3.8547     | 2.5000    | 154.2    |
| 04JAN11.D | Calibration | Fluorobenzene | 1.796 | 5893   | 764419    | 0.0077     | 12.0464    | 12.5000   | 96.4     |
| 04JAN12.D | Calibration | Fluorobenzene | 1.796 | 13054  | 791270    | 0.0165     | 25.7793    | 25.0000   | 103.1    |
| 04JAN13.D | Calibration | Fluorobenzene | 1.799 | 23699  | 778120    | 0.0305     | 47.5921    | 50.0000   | 95.2     |
| 04JAN15.D | Calibration | Fluorobenzene | 1.799 | 65163  | 823488    | 0.0791     | 123.6504   | 125.0000  | 98.9     |
| 04JAN17.D | Calibration | Fluorobenzene | 1.799 | 134737 | 836278    | 0.1611     | 251.7606   | 250.0000  | 100.7    |
| 04JAN19.D | Calibration | Fluorobenzene | 1.796 | 207491 | 841876    | 0.2465     | 385.1259   | 375.0000  | 102.7    |
| 04JAN21.D | Calibration | Fluorobenzene | 1.793 | 277301 | 841364    | 0.3296     | 515.0141   | 500.0000  | 103.0    |
| 04JAN23.D | QC          | Fluorobenzene | 1.796 | 59947  | 801210    | 0.0748     | 116.9157   | 125.0000  |          |

**Compound: Chloroethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 1.899 | 2178   | 770895    | 0.0028     | 3.9871     | 2.5000    | 159.5    |
| 04JAN11.D | Calibration | Fluorobenzene | 1.897 | 8052   | 764419    | 0.0105     | 14.8670    | 12.5000   | 118.9    |
| 04JAN12.D | Calibration | Fluorobenzene | 1.897 | 14646  | 791270    | 0.0185     | 26.1250    | 25.0000   | 104.5    |
| 04JAN13.D | Calibration | Fluorobenzene | 1.897 | 25484  | 778120    | 0.0328     | 46.2243    | 50.0000   | 92.4     |
| 04JAN15.D | Calibration | Fluorobenzene | 1.894 | 71420  | 823488    | 0.0867     | 122.4086   | 125.0000  | 97.9     |
| 04JAN17.D | Calibration | Fluorobenzene | 1.894 | 137312 | 836278    | 0.1642     | 231.7432   | 250.0000  | 92.7     |
| 04JAN19.D | Calibration | Fluorobenzene | 1.897 | 217393 | 841876    | 0.2582     | 364.4573   | 375.0000  | 97.2     |
| 04JAN21.D | Calibration | Fluorobenzene | 1.894 | 287041 | 841364    | 0.3412     | 481.5143   | 500.0000  | 96.3     |
| 04JAN23.D | QC          | Fluorobenzene | 1.897 | 65619  | 801210    | 0.0819     | 115.5932   | 125.0000  |          |

# Quantitative Analysis Results Summary Report

**Compound: Trichlorofluoromethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 2.153 | 5030   | 770895    | 0.0065     | 3.6731     | 2.5000    | 146.9    |
| 04JAN11.D | Calibration | Fluorobenzene | 2.142 | 15431  | 764419    | 0.0202     | 11.3637    | 12.5000   | 90.9     |
| 04JAN12.D | Calibration | Fluorobenzene | 2.142 | 37464  | 791270    | 0.0473     | 26.6531    | 25.0000   | 106.6    |
| 04JAN13.D | Calibration | Fluorobenzene | 2.145 | 68163  | 778120    | 0.0876     | 49.3128    | 50.0000   | 98.6     |
| 04JAN15.D | Calibration | Fluorobenzene | 2.142 | 188808 | 823488    | 0.2293     | 129.0687   | 125.0000  | 103.3    |
| 04JAN17.D | Calibration | Fluorobenzene | 2.145 | 384837 | 836278    | 0.4602     | 259.0502   | 250.0000  | 103.6    |
| 04JAN19.D | Calibration | Fluorobenzene | 2.145 | 555477 | 841876    | 0.6598     | 371.4290   | 375.0000  | 99.0     |
| 04JAN21.D | Calibration | Fluorobenzene | 2.145 | 731829 | 841364    | 0.8698     | 489.6475   | 500.0000  | 97.9     |
| 04JAN23.D | QC          | Fluorobenzene | 2.145 | 173333 | 801210    | 0.2163     | 121.7847   | 125.0000  |          |

**Compound: 1,1-Dichloroethene**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 2.700 | 2084   | 770895    | 0.0027     | 2.6839     | 2.5000    | 107.4    |
| 04JAN11.D | Calibration | Fluorobenzene | 2.700 | 9169   | 764419    | 0.0120     | 11.9081    | 12.5000   | 95.3     |
| 04JAN12.D | Calibration | Fluorobenzene | 2.700 | 20631  | 791270    | 0.0261     | 25.8849    | 25.0000   | 103.5    |
| 04JAN13.D | Calibration | Fluorobenzene | 2.702 | 38253  | 778120    | 0.0492     | 48.8056    | 50.0000   | 97.6     |
| 04JAN15.D | Calibration | Fluorobenzene | 2.697 | 99438  | 823488    | 0.1208     | 119.8798   | 125.0000  | 95.9     |
| 04JAN17.D | Calibration | Fluorobenzene | 2.702 | 217406 | 836278    | 0.2600     | 258.0903   | 250.0000  | 103.2    |
| 04JAN19.D | Calibration | Fluorobenzene | 2.700 | 322557 | 841876    | 0.3831     | 380.3725   | 375.0000  | 101.4    |
| 04JAN21.D | Calibration | Fluorobenzene | 2.700 | 436507 | 841364    | 0.5188     | 515.0603   | 500.0000  | 103.0    |
| 04JAN23.D | QC          | Fluorobenzene | 2.702 | 108512 | 801210    | 0.1354     | 134.4566   | 125.0000  |          |

**Compound: Methylene chloride**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene | 3.335 | 1661   | 775552    | 0.0021     | 1.4424     |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 3.324 | 4095   | 770895    | 0.0053     | 3.5774     | 2.5000    | 143.1    |
| 04JAN11.D | Calibration | Fluorobenzene | 3.338 | 17734  | 764419    | 0.0232     | 15.6236    | 12.5000   | 125.0    |
| 04JAN12.D | Calibration | Fluorobenzene | 3.333 | 30908  | 791270    | 0.0391     | 26.3058    | 25.0000   | 105.2    |
| 04JAN13.D | Calibration | Fluorobenzene | 3.335 | 58282  | 778120    | 0.0749     | 50.4421    | 50.0000   | 100.9    |
| 04JAN15.D | Calibration | Fluorobenzene | 3.336 | 135271 | 823488    | 0.1643     | 110.6249   | 125.0000  | 88.5     |
| 04JAN17.D | Calibration | Fluorobenzene | 3.333 | 292397 | 836278    | 0.3496     | 235.4657   | 250.0000  | 94.2     |
| 04JAN19.D | Calibration | Fluorobenzene | 3.330 | 435116 | 841876    | 0.5168     | 348.0666   | 375.0000  | 92.8     |
| 04JAN21.D | Calibration | Fluorobenzene | 3.330 | 583438 | 841364    | 0.6934     | 466.9993   | 500.0000  | 93.4     |
| 04JAN23.D | QC          | Fluorobenzene | 3.330 | 144585 | 801210    | 0.1805     | 121.5297   | 125.0000  |          |

**Compound: trans-1,2-Dichloroethene**

| Data File | Sample Type | ISTD          | RT    | Resp | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |      | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 3.723 | 2146 | 770895    | 0.0028     | 2.7090     | 2.5000    | 108.4    |
| 04JAN11.D | Calibration | Fluorobenzene | 3.720 | 9821 | 764419    | 0.0128     | 12.5022    | 12.5000   | 100.0    |

# Quantitative Analysis Results Summary Report

**Compound: trans-1,2-Dichloroethene**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN12.D | Calibration | Fluorobenzene | 3.712 | 20706  | 791270    | 0.0262     | 25.4641    | 25.0000   | 101.9    |
| 04JAN13.D | Calibration | Fluorobenzene | 3.717 | 39596  | 778120    | 0.0509     | 49.5178    | 50.0000   | 99.0     |
| 04JAN15.D | Calibration | Fluorobenzene | 3.718 | 100409 | 823488    | 0.1219     | 118.6511   | 125.0000  | 94.9     |
| 04JAN17.D | Calibration | Fluorobenzene | 3.715 | 218855 | 836278    | 0.2617     | 254.6608   | 250.0000  | 101.9    |
| 04JAN19.D | Calibration | Fluorobenzene | 3.715 | 325415 | 841876    | 0.3865     | 376.1367   | 375.0000  | 100.3    |
| 04JAN21.D | Calibration | Fluorobenzene | 3.718 | 440967 | 841364    | 0.5241     | 510.0097   | 500.0000  | 102.0    |
| 04JAN23.D | QC          | Fluorobenzene | 3.715 | 110909 | 801210    | 0.1384     | 134.7028   | 125.0000  |          |

**Compound: Methyl tert-butyl ether (MTBE)**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 3.759 | 2717   | 770895    | 0.0035     | 2.6532     | 2.5000    | 106.1    |
| 04JAN11.D | Calibration | Fluorobenzene | 3.762 | 12515  | 764419    | 0.0164     | 12.3255    | 12.5000   | 98.6     |
| 04JAN12.D | Calibration | Fluorobenzene | 3.754 | 24218  | 791270    | 0.0306     | 23.0418    | 25.0000   | 92.2     |
| 04JAN13.D | Calibration | Fluorobenzene | 3.757 | 49126  | 778120    | 0.0631     | 47.5301    | 50.0000   | 95.1     |
| 04JAN15.D | Calibration | Fluorobenzene | 3.754 | 139068 | 823488    | 0.1689     | 127.1375   | 125.0000  | 101.7    |
| 04JAN17.D | Calibration | Fluorobenzene | 3.751 | 287653 | 836278    | 0.3440     | 258.9535   | 250.0000  | 103.6    |
| 04JAN19.D | Calibration | Fluorobenzene | 3.751 | 437439 | 841876    | 0.5196     | 391.1767   | 375.0000  | 104.3    |
| 04JAN21.D | Calibration | Fluorobenzene | 3.754 | 584294 | 841364    | 0.6945     | 522.8187   | 500.0000  | 104.6    |
| 04JAN23.D | QC          | Fluorobenzene | 3.754 | 143378 | 801210    | 0.1790     | 134.7224   | 125.0000  |          |

**Compound: 1,1-Dichloroethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 4.376 | 3892   | 770895    | 0.0050     | 2.6393     | 2.5000    | 105.6    |
| 04JAN11.D | Calibration | Fluorobenzene | 4.378 | 17642  | 764419    | 0.0231     | 12.0652    | 12.5000   | 96.5     |
| 04JAN12.D | Calibration | Fluorobenzene | 4.379 | 38874  | 791270    | 0.0491     | 25.6835    | 25.0000   | 102.7    |
| 04JAN13.D | Calibration | Fluorobenzene | 4.381 | 73205  | 778120    | 0.0941     | 49.1828    | 50.0000   | 98.4     |
| 04JAN15.D | Calibration | Fluorobenzene | 4.378 | 186052 | 823488    | 0.2259     | 118.1125   | 125.0000  | 94.5     |
| 04JAN17.D | Calibration | Fluorobenzene | 4.384 | 413408 | 836278    | 0.4943     | 258.4325   | 250.0000  | 103.4    |
| 04JAN19.D | Calibration | Fluorobenzene | 4.381 | 612660 | 841876    | 0.7277     | 380.4437   | 375.0000  | 101.5    |
| 04JAN21.D | Calibration | Fluorobenzene | 4.378 | 829359 | 841364    | 0.9857     | 515.3207   | 500.0000  | 103.1    |
| 04JAN23.D | QC          | Fluorobenzene | 4.376 | 208131 | 801210    | 0.2598     | 135.8030   | 125.0000  |          |

**Compound: 2,2-Dichloropropane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 5.196 | 2930   | 770895    | 0.0038     | 2.6520     | 2.5000    | 106.1    |
| 04JAN11.D | Calibration | Fluorobenzene | 5.196 | 13676  | 764419    | 0.0179     | 12.4820    | 12.5000   | 99.9     |
| 04JAN12.D | Calibration | Fluorobenzene | 5.190 | 29793  | 791270    | 0.0377     | 26.2692    | 25.0000   | 105.1    |
| 04JAN13.D | Calibration | Fluorobenzene | 5.193 | 56189  | 778120    | 0.0722     | 50.3804    | 50.0000   | 100.8    |
| 04JAN15.D | Calibration | Fluorobenzene | 5.196 | 139656 | 823488    | 0.1696     | 118.3203   | 125.0000  | 94.7     |

# Quantitative Analysis Results Summary Report

**Compound: 2,2-Dichloropropane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN17.D | Calibration | Fluorobenzene | 5.190 | 303307 | 836278    | 0.3627     | 253.0397   | 250.0000  | 101.2    |
| 04JAN19.D | Calibration | Fluorobenzene | 5.190 | 446282 | 841876    | 0.5301     | 369.8436   | 375.0000  | 98.6     |
| 04JAN21.D | Calibration | Fluorobenzene | 5.190 | 601823 | 841364    | 0.7153     | 499.0473   | 500.0000  | 99.8     |
| 04JAN23.D | QC          | Fluorobenzene | 5.190 | 150902 | 801210    | 0.1883     | 131.4031   | 125.0000  |          |

**Compound: cis-1,2-Dichloroethene**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 5.212 | 2376   | 770895    | 0.0031     | 2.9581     | 2.5000    | 118.3    |
| 04JAN11.D | Calibration | Fluorobenzene | 5.221 | 10008  | 764419    | 0.0131     | 12.5659    | 12.5000   | 100.5    |
| 04JAN12.D | Calibration | Fluorobenzene | 5.212 | 20252  | 791270    | 0.0256     | 24.5653    | 25.0000   | 98.3     |
| 04JAN13.D | Calibration | Fluorobenzene | 5.209 | 39251  | 778120    | 0.0504     | 48.4154    | 50.0000   | 96.8     |
| 04JAN15.D | Calibration | Fluorobenzene | 5.215 | 100057 | 823488    | 0.1215     | 116.6190   | 125.0000  | 93.3     |
| 04JAN17.D | Calibration | Fluorobenzene | 5.215 | 228170 | 836278    | 0.2728     | 261.8706   | 250.0000  | 104.7    |
| 04JAN19.D | Calibration | Fluorobenzene | 5.212 | 339211 | 841876    | 0.4029     | 386.7236   | 375.0000  | 103.1    |
| 04JAN21.D | Calibration | Fluorobenzene | 5.212 | 452377 | 841364    | 0.5377     | 516.0544   | 500.0000  | 103.2    |
| 04JAN23.D | QC          | Fluorobenzene | 5.209 | 108623 | 801210    | 0.1356     | 130.1231   | 125.0000  |          |

**Compound: Methyl ethyl ketone**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 5.302 | 3035   | 770895    | 0.0039     | 27.8967    | 25.0000   | 111.6    |
| 04JAN11.D | Calibration | Fluorobenzene | 5.288 | 13167  | 764419    | 0.0172     | 122.0520   | 125.0000  | 97.6     |
| 04JAN12.D | Calibration | Fluorobenzene | 5.282 | 26248  | 791270    | 0.0332     | 235.0504   | 250.0000  | 94.0     |
| 04JAN13.D | Calibration | Fluorobenzene | 5.285 | 52648  | 778120    | 0.0677     | 479.4296   | 500.0000  | 95.9     |
| 04JAN15.D | Calibration | Fluorobenzene | 5.282 | 134730 | 823488    | 0.1636     | 1159.3019  | 1250.0000 | 92.7     |
| 04JAN17.D | Calibration | Fluorobenzene | 5.279 | 317271 | 836278    | 0.3794     | 2688.2474  | 2500.0000 | 107.5    |
| 04JAN19.D | Calibration | Fluorobenzene | 5.279 | 470653 | 841876    | 0.5591     | 3961.3410  | 3750.0000 | 105.6    |
| 04JAN21.D | Calibration | Fluorobenzene | 5.279 | 632539 | 841364    | 0.7518     | 5327.1253  | 5000.0000 | 106.5    |
| 04JAN23.D | QC          | Fluorobenzene | 5.282 | 135511 | 801210    | 0.1691     | 1198.4439  | 1250.0000 |          |

**Compound: Bromochloromethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 5.522 | 807    | 770895    | 0.0010     | 2.4260     | 2.5000    | 97.0     |
| 04JAN11.D | Calibration | Fluorobenzene | 5.516 | 4275   | 764419    | 0.0056     | 12.9568    | 12.5000   | 103.7    |
| 04JAN12.D | Calibration | Fluorobenzene | 5.522 | 8688   | 791270    | 0.0110     | 25.4383    | 25.0000   | 101.8    |
| 04JAN13.D | Calibration | Fluorobenzene | 5.516 | 17338  | 778120    | 0.0223     | 51.6233    | 50.0000   | 103.2    |
| 04JAN15.D | Calibration | Fluorobenzene | 5.519 | 41966  | 823488    | 0.0510     | 118.0683   | 125.0000  | 94.5     |
| 04JAN17.D | Calibration | Fluorobenzene | 5.519 | 89178  | 836278    | 0.1066     | 247.0586   | 250.0000  | 98.8     |
| 04JAN19.D | Calibration | Fluorobenzene | 5.516 | 135103 | 841876    | 0.1605     | 371.8004   | 375.0000  | 99.1     |
| 04JAN21.D | Calibration | Fluorobenzene | 5.519 | 179618 | 841364    | 0.2135     | 494.6054   | 500.0000  | 98.9     |

# Quantitative Analysis Results Summary Report

**Compound: Bromochloromethane**

| Data File | Sample Type | ISTD          | RT    | Resp  | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|-------|-----------|------------|------------|-----------|----------|
| 04JAN23.D | QC          | Fluorobenzene | 5.513 | 42744 | 801210    | 0.0533     | 123.6009   | 125.0000  |          |

**Compound: Chloroform**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 5.659 | 4248   | 770895    | 0.0055     | 2.8946     | 2.5000    | 115.8    |
| 04JAN11.D | Calibration | Fluorobenzene | 5.656 | 19015  | 764419    | 0.0249     | 13.0668    | 12.5000   | 104.5    |
| 04JAN12.D | Calibration | Fluorobenzene | 5.653 | 36413  | 791270    | 0.0460     | 24.1734    | 25.0000   | 96.7     |
| 04JAN13.D | Calibration | Fluorobenzene | 5.650 | 71403  | 778120    | 0.0918     | 48.2031    | 50.0000   | 96.4     |
| 04JAN15.D | Calibration | Fluorobenzene | 5.653 | 179640 | 823488    | 0.2181     | 114.5912   | 125.0000  | 91.7     |
| 04JAN17.D | Calibration | Fluorobenzene | 5.653 | 394946 | 836278    | 0.4723     | 248.0804   | 250.0000  | 99.2     |
| 04JAN19.D | Calibration | Fluorobenzene | 5.650 | 588080 | 841876    | 0.6985     | 366.9389   | 375.0000  | 97.9     |
| 04JAN21.D | Calibration | Fluorobenzene | 5.653 | 783422 | 841364    | 0.9311     | 489.1221   | 500.0000  | 97.8     |
| 04JAN23.D | QC          | Fluorobenzene | 5.647 | 183676 | 801210    | 0.2292     | 120.4236   | 125.0000  |          |

**Compound: 1,1,1-Trichloroethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 5.831 | 3510   | 770895    | 0.0046     | 2.5521     | 2.5000    | 102.1    |
| 04JAN11.D | Calibration | Fluorobenzene | 5.837 | 16623  | 764419    | 0.0217     | 12.1891    | 12.5000   | 97.5     |
| 04JAN12.D | Calibration | Fluorobenzene | 5.826 | 35547  | 791270    | 0.0449     | 25.1809    | 25.0000   | 100.7    |
| 04JAN13.D | Calibration | Fluorobenzene | 5.834 | 67007  | 778120    | 0.0861     | 48.2688    | 50.0000   | 96.5     |
| 04JAN15.D | Calibration | Fluorobenzene | 5.834 | 174206 | 823488    | 0.2115     | 118.5764   | 125.0000  | 94.9     |
| 04JAN17.D | Calibration | Fluorobenzene | 5.831 | 386005 | 836278    | 0.4616     | 258.7228   | 250.0000  | 103.5    |
| 04JAN19.D | Calibration | Fluorobenzene | 5.831 | 580748 | 841876    | 0.6898     | 386.6625   | 375.0000  | 103.1    |
| 04JAN21.D | Calibration | Fluorobenzene | 5.834 | 778785 | 841364    | 0.9256     | 518.8312   | 500.0000  | 103.8    |
| 04JAN23.D | QC          | Fluorobenzene | 5.831 | 183324 | 801210    | 0.2288     | 128.2524   | 125.0000  |          |

**Compound: Dibromofluoromethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene | 5.848 | 203459 | 775552    | 0.2623     | 278.4635   |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 5.851 | 2508   | 770895    | 0.0033     | 3.4533     | 2.5000    | 138.1    |
| 04JAN11.D | Calibration | Fluorobenzene | 5.845 | 9074   | 764419    | 0.0119     | 12.6000    | 12.5000   | 100.8    |
| 04JAN12.D | Calibration | Fluorobenzene | 5.845 | 19100  | 791270    | 0.0241     | 25.6219    | 25.0000   | 102.5    |
| 04JAN13.D | Calibration | Fluorobenzene | 5.848 | 35309  | 778120    | 0.0454     | 48.1661    | 50.0000   | 96.3     |
| 04JAN15.D | Calibration | Fluorobenzene | 5.845 | 89307  | 823488    | 0.1084     | 115.1146   | 125.0000  | 92.1     |
| 04JAN17.D | Calibration | Fluorobenzene | 5.845 | 204073 | 836278    | 0.2440     | 259.0223   | 250.0000  | 103.6    |
| 04JAN19.D | Calibration | Fluorobenzene | 5.848 | 305158 | 841876    | 0.3625     | 384.7503   | 375.0000  | 102.6    |
| 04JAN21.D | Calibration | Fluorobenzene | 5.845 | 404568 | 841364    | 0.4808     | 510.3991   | 500.0000  | 102.1    |
| 04JAN23.D | QC          | Fluorobenzene | 5.848 | 204707 | 801210    | 0.2555     | 271.1994   | 250.0000  |          |



# Quantitative Analysis Results Summary Report

**Compound: Carbon tetrachloride**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 6.029 | 4342   | 770895    | 0.0056     | 3.2043     | 2.5000    | 128.2    |
| 04JAN11.D | Calibration | Fluorobenzene | 6.021 | 16466  | 764419    | 0.0215     | 12.2545    | 12.5000   | 98.0     |
| 04JAN12.D | Calibration | Fluorobenzene | 6.024 | 34462  | 791270    | 0.0436     | 24.7773    | 25.0000   | 99.1     |
| 04JAN13.D | Calibration | Fluorobenzene | 6.026 | 65313  | 778120    | 0.0839     | 47.7520    | 50.0000   | 95.5     |
| 04JAN15.D | Calibration | Fluorobenzene | 6.024 | 172928 | 823488    | 0.2100     | 119.4667   | 125.0000  | 95.6     |
| 04JAN17.D | Calibration | Fluorobenzene | 6.026 | 383485 | 836278    | 0.4586     | 260.8774   | 250.0000  | 104.4    |
| 04JAN19.D | Calibration | Fluorobenzene | 6.024 | 572545 | 841876    | 0.6801     | 386.9014   | 375.0000  | 103.2    |
| 04JAN21.D | Calibration | Fluorobenzene | 6.024 | 770907 | 841364    | 0.9163     | 521.2630   | 500.0000  | 104.3    |
| 04JAN23.D | QC          | Fluorobenzene | 6.027 | 181384 | 801210    | 0.2264     | 128.7928   | 125.0000  |          |

**Compound: 1,1-Dichloropropene**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 6.041 | 2830   | 770895    | 0.0037     | 2.4201     | 2.5000    | 96.8     |
| 04JAN11.D | Calibration | Fluorobenzene | 6.038 | 13149  | 764419    | 0.0172     | 11.3397    | 12.5000   | 90.7     |
| 04JAN12.D | Calibration | Fluorobenzene | 6.038 | 29241  | 791270    | 0.0370     | 24.3617    | 25.0000   | 97.4     |
| 04JAN13.D | Calibration | Fluorobenzene | 6.035 | 56376  | 778120    | 0.0725     | 47.7627    | 50.0000   | 95.5     |
| 04JAN15.D | Calibration | Fluorobenzene | 6.038 | 149649 | 823488    | 0.1817     | 119.8002   | 125.0000  | 95.8     |
| 04JAN17.D | Calibration | Fluorobenzene | 6.038 | 335741 | 836278    | 0.4015     | 264.6638   | 250.0000  | 105.9    |
| 04JAN19.D | Calibration | Fluorobenzene | 6.040 | 507157 | 841876    | 0.6024     | 397.1322   | 375.0000  | 105.9    |
| 04JAN21.D | Calibration | Fluorobenzene | 6.038 | 693669 | 841364    | 0.8245     | 543.5121   | 500.0000  | 108.7    |
| 04JAN23.D | QC          | Fluorobenzene | 6.038 | 150930 | 801210    | 0.1884     | 124.1853   | 125.0000  |          |

**Compound: 1,2-Dichloroethane-d4**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene | 6.233 | 88174  | 775552    | 0.1137     | 279.3964   |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 6.233 | 923    | 770895    | 0.0012     | 2.9438     | 2.5000    | 117.8    |
| 04JAN11.D | Calibration | Fluorobenzene | 6.227 | 3938   | 764419    | 0.0052     | 12.6600    | 12.5000   | 101.3    |
| 04JAN12.D | Calibration | Fluorobenzene | 6.236 | 8284   | 791270    | 0.0105     | 25.7280    | 25.0000   | 102.9    |
| 04JAN13.D | Calibration | Fluorobenzene | 6.233 | 15238  | 778120    | 0.0196     | 48.1252    | 50.0000   | 96.3     |
| 04JAN15.D | Calibration | Fluorobenzene | 6.233 | 39086  | 823488    | 0.0475     | 116.6420   | 125.0000  | 93.3     |
| 04JAN17.D | Calibration | Fluorobenzene | 6.236 | 87876  | 836278    | 0.1051     | 258.2324   | 250.0000  | 103.3    |
| 04JAN19.D | Calibration | Fluorobenzene | 6.233 | 129608 | 841876    | 0.1540     | 378.3335   | 375.0000  | 100.9    |
| 04JAN21.D | Calibration | Fluorobenzene | 6.233 | 174713 | 841364    | 0.2077     | 510.3080   | 500.0000  | 102.1    |
| 04JAN23.D | QC          | Fluorobenzene | 6.230 | 91382  | 801210    | 0.1141     | 280.2886   | 250.0000  |          |

**Compound: Benzene**

| Data File | Sample Type | ISTD          | RT    | Resp  | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|-------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene | 6.266 | 381   | 775552    | 0.0005     | 0.1233     |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 6.278 | 8408  | 770895    | 0.0109     | 2.7393     | 2.5000    | 109.6    |
| 04JAN11.D | Calibration | Fluorobenzene | 6.278 | 37071 | 764419    | 0.0485     | 12.1801    | 12.5000   | 97.4     |

# Quantitative Analysis Results Summary Report

**Compound: Benzene**

| Data File | Sample Type | ISTD          | RT    | Resp    | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|---------|-----------|------------|------------|-----------|----------|
| 04JAN12.D | Calibration | Fluorobenzene | 6.278 | 74956   | 791270    | 0.0947     | 23.7919    | 25.0000   | 95.2     |
| 04JAN13.D | Calibration | Fluorobenzene | 6.277 | 148727  | 778120    | 0.1911     | 48.0054    | 50.0000   | 96.0     |
| 04JAN15.D | Calibration | Fluorobenzene | 6.278 | 383469  | 823488    | 0.4657     | 116.9553   | 125.0000  | 93.6     |
| 04JAN17.D | Calibration | Fluorobenzene | 6.280 | 857534  | 836278    | 1.0254     | 257.5416   | 250.0000  | 103.0    |
| 04JAN19.D | Calibration | Fluorobenzene | 6.278 | 1293370 | 841876    | 1.5363     | 385.8526   | 375.0000  | 102.9    |
| 04JAN21.D | Calibration | Fluorobenzene | 6.280 | 1714050 | 841364    | 2.0372     | 511.6658   | 500.0000  | 102.3    |
| 04JAN23.D | QC          | Fluorobenzene | 6.280 | 418900  | 801210    | 0.5228     | 131.3139   | 125.0000  |          |

**Compound: 1,2-Dichloroethane**

| Data File | Sample Type | ISTD          | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|---------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Fluorobenzene |       |        | 775552    |            | ND         |           |          |
| 04JAN10.D | Calibration | Fluorobenzene | 6.322 | 2415   | 770895    | 0.0031     | 2.9090     | 2.5000    | 116.4    |
| 04JAN11.D | Calibration | Fluorobenzene | 6.322 | 10202  | 764419    | 0.0133     | 12.3906    | 12.5000   | 99.1     |
| 04JAN12.D | Calibration | Fluorobenzene | 6.322 | 19996  | 791270    | 0.0253     | 23.4616    | 25.0000   | 93.8     |
| 04JAN13.D | Calibration | Fluorobenzene | 6.325 | 41058  | 778120    | 0.0528     | 48.9880    | 50.0000   | 98.0     |
| 04JAN15.D | Calibration | Fluorobenzene | 6.322 | 104855 | 823488    | 0.1273     | 118.2143   | 125.0000  | 94.6     |
| 04JAN17.D | Calibration | Fluorobenzene | 6.322 | 226964 | 836278    | 0.2714     | 251.9675   | 250.0000  | 100.8    |
| 04JAN19.D | Calibration | Fluorobenzene | 6.322 | 332775 | 841876    | 0.3953     | 366.9787   | 375.0000  | 97.9     |
| 04JAN21.D | Calibration | Fluorobenzene | 6.322 | 450739 | 841364    | 0.5357     | 497.3699   | 500.0000  | 99.5     |
| 04JAN23.D | QC          | Fluorobenzene | 6.325 | 104249 | 801210    | 0.1301     | 120.7991   | 125.0000  |          |

**Compound: Trichloroethene**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 7.033 | 2372   | 296081    | 0.0080     | 2.6564     | 2.5000    | 106.3    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 7.025 | 10442  | 296554    | 0.0352     | 11.6753    | 12.5000   | 93.4     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 7.028 | 21946  | 301338    | 0.0728     | 24.1484    | 25.0000   | 96.6     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 7.030 | 42682  | 300356    | 0.1421     | 47.1189    | 50.0000   | 94.2     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 7.030 | 114123 | 306491    | 0.3724     | 123.4646   | 125.0000  | 98.8     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 7.030 | 250285 | 316399    | 0.7910     | 262.2931   | 250.0000  | 104.9    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 7.028 | 374370 | 314668    | 1.1897     | 394.4896   | 375.0000  | 105.2    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 7.028 | 505400 | 313585    | 1.6117     | 534.4007   | 500.0000  | 106.9    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 7.025 | 121734 | 307868    | 0.3954     | 131.1096   | 125.0000  |          |

**Compound: 1,2-Dichloropropane**

| Data File | Sample Type | ISTD             | RT    | Resp  | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|-------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |       | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 7.273 | 2148  | 296081    | 0.0073     | 2.7347     | 2.5000    | 109.4    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 7.270 | 9488  | 296554    | 0.0320     | 12.0602    | 12.5000   | 96.5     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 7.270 | 20077 | 301338    | 0.0666     | 25.1147    | 25.0000   | 100.5    |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 7.273 | 37870 | 300356    | 0.1261     | 47.5273    | 50.0000   | 95.1     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 7.270 | 99187 | 306491    | 0.3236     | 121.9890   | 125.0000  | 97.6     |



# Quantitative Analysis Results Summary Report

**Compound: 1,2-Dichloropropane**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 7.270 | 213800 | 316399    | 0.6757     | 254.7161   | 250.0000  | 101.9    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 7.270 | 324602 | 314668    | 1.0316     | 388.8502   | 375.0000  | 103.7    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 7.270 | 436057 | 313585    | 1.3906     | 524.1695   | 500.0000  | 104.8    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 7.270 | 102633 | 307868    | 0.3334     | 125.6626   | 125.0000  |          |

**Compound: Dibromomethane**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 7.396 | 902    | 296081    | 0.0030     | 2.7162     | 2.5000    | 108.6    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 7.399 | 4675   | 296554    | 0.0158     | 14.0619    | 12.5000   | 112.5    |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 7.393 | 8055   | 301338    | 0.0267     | 23.8439    | 25.0000   | 95.4     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 7.396 | 15989  | 300356    | 0.0532     | 47.4844    | 50.0000   | 95.0     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 7.399 | 40628  | 306491    | 0.1326     | 118.2425   | 125.0000  | 94.6     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 7.396 | 89483  | 316399    | 0.2828     | 252.2734   | 250.0000  | 100.9    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 7.396 | 134282 | 314668    | 0.4267     | 380.6547   | 375.0000  | 101.5    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 7.396 | 176038 | 313585    | 0.5614     | 500.7456   | 500.0000  | 100.1    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 7.393 | 43248  | 307868    | 0.1405     | 125.3047   | 125.0000  |          |

**Compound: Bromodichloromethane**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 7.597 | 2536   | 296081    | 0.0086     | 2.7684     | 2.5000    | 110.7    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 7.585 | 11562  | 296554    | 0.0390     | 12.6014    | 12.5000   | 100.8    |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 7.583 | 22743  | 301338    | 0.0755     | 24.3940    | 25.0000   | 97.6     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 7.585 | 43900  | 300356    | 0.1462     | 47.2409    | 50.0000   | 94.5     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 7.585 | 115664 | 306491    | 0.3774     | 121.9749   | 125.0000  | 97.6     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 7.582 | 251805 | 316399    | 0.7958     | 257.2286   | 250.0000  | 102.9    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 7.585 | 375983 | 314668    | 1.1949     | 386.1940   | 375.0000  | 103.0    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 7.585 | 502929 | 313585    | 1.6038     | 518.3718   | 500.0000  | 103.7    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 7.585 | 122757 | 307868    | 0.3987     | 128.8759   | 125.0000  |          |

**Compound: cis-1,3-Dichloropropene**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 8.054 | 2583   | 296081    | 0.0087     | 2.4939     | 2.5000    | 99.8     |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 8.062 | 12525  | 296554    | 0.0422     | 12.0738    | 12.5000   | 96.6     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 8.057 | 24511  | 301338    | 0.0813     | 23.2528    | 25.0000   | 93.0     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 8.057 | 48886  | 300356    | 0.1628     | 46.5283    | 50.0000   | 93.1     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 8.059 | 129419 | 306491    | 0.4223     | 120.7116   | 125.0000  | 96.6     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 8.057 | 293617 | 316399    | 0.9280     | 265.2863   | 250.0000  | 106.1    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 8.057 | 441168 | 314668    | 1.4020     | 400.7930   | 375.0000  | 106.9    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 8.059 | 591147 | 313585    | 1.8851     | 538.9008   | 500.0000  | 107.8    |

# Quantitative Analysis Results Summary Report

**Compound: cis-1,3-Dichloropropene**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN23.D | QC          | Chlorobenzene-d5 | 8.054 | 130910 | 307868    | 0.4252     | 121.5561   | 125.0000  |          |

**Compound: Toluene-d8**

| Data File | Sample Type | ISTD             | RT    | Resp    | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|---------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 | 8.319 | 770154  | 301196    | 2.5570     | 265.3436   |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 8.322 | 7777    | 296081    | 0.0263     | 2.7257     | 2.5000    | 109.0    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 8.322 | 32318   | 296554    | 0.1090     | 11.3089    | 12.5000   | 90.5     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 8.319 | 67673   | 301338    | 0.2246     | 23.3046    | 25.0000   | 93.2     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 8.319 | 136453  | 300356    | 0.4543     | 47.1441    | 50.0000   | 94.3     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 8.319 | 358186  | 306491    | 1.1687     | 121.2749   | 125.0000  | 97.0     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 8.319 | 823306  | 316399    | 2.6021     | 270.0265   | 250.0000  | 108.0    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 8.322 | 1229775 | 314668    | 3.9082     | 405.5583   | 375.0000  | 108.1    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 8.319 | 1644540 | 313585    | 5.2443     | 544.2136   | 500.0000  | 108.8    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 8.322 | 821531  | 307868    | 2.6685     | 276.9106   | 250.0000  |          |

**Compound: Toluene**

| Data File | Sample Type | ISTD             | RT    | Resp    | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|---------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |         | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 8.380 | 5039    | 296081    | 0.0170     | 2.6145     | 2.5000    | 104.6    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 8.388 | 21794   | 296554    | 0.0735     | 11.2899    | 12.5000   | 90.3     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 8.389 | 46355   | 301338    | 0.1538     | 23.6319    | 25.0000   | 94.5     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 8.388 | 91915   | 300356    | 0.3060     | 47.0116    | 50.0000   | 94.0     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 8.389 | 244712  | 306491    | 0.7984     | 122.6571   | 125.0000  | 98.1     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 8.386 | 541945  | 316399    | 1.7129     | 263.1330   | 250.0000  | 105.3    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 8.388 | 813204  | 314668    | 2.5843     | 397.0106   | 375.0000  | 105.9    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 8.389 | 1095161 | 313585    | 3.4924     | 536.5101   | 500.0000  | 107.3    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 8.386 | 264584  | 307868    | 0.8594     | 132.0244   | 125.0000  |          |

**Compound: trans-1,3-Dichloropropene**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 8.634 | 1470   | 296081    | 0.0050     | 1.9942     | 2.5000    | 79.8     |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 8.645 | 8683   | 296554    | 0.0293     | 11.7589    | 12.5000   | 94.1     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 8.634 | 17850  | 301338    | 0.0592     | 23.7894    | 25.0000   | 95.2     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 8.639 | 35179  | 300356    | 0.1171     | 47.0378    | 50.0000   | 94.1     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 8.637 | 92719  | 306491    | 0.3025     | 121.4929   | 125.0000  | 97.2     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 8.639 | 207833 | 316399    | 0.6569     | 263.8027   | 250.0000  | 105.5    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 8.639 | 315063 | 314668    | 1.0013     | 402.1098   | 375.0000  | 107.2    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 8.637 | 416771 | 313585    | 1.3291     | 533.7551   | 500.0000  | 106.8    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 8.637 | 98907  | 307868    | 0.3213     | 129.0216   | 125.0000  |          |

# Quantitative Analysis Results Summary Report

## Compound: 1,1,2-Trichloroethane

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 8.810 | 960    | 296081    | 0.0032     | 2.5012     | 2.5000    | 100.0    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 8.824 | 5090   | 296554    | 0.0172     | 13.2340    | 12.5000   | 105.9    |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 8.815 | 10099  | 301338    | 0.0335     | 25.8400    | 25.0000   | 103.4    |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 8.815 | 18884  | 300356    | 0.0629     | 48.4759    | 50.0000   | 97.0     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 8.818 | 46673  | 306491    | 0.1523     | 117.4130   | 125.0000  | 93.9     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 8.815 | 101888 | 316399    | 0.3220     | 248.2882   | 250.0000  | 99.3     |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 8.818 | 152331 | 314668    | 0.4841     | 373.2534   | 375.0000  | 99.5     |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 8.815 | 205463 | 313585    | 0.6552     | 505.1803   | 500.0000  | 101.0    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 8.815 | 49128  | 307868    | 0.1596     | 123.0361   | 125.0000  |          |

## Compound: Tetrachloroethene

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 8.932 | 2105   | 296081    | 0.0071     | 2.6772     | 2.5000    | 107.1    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 8.935 | 9238   | 296554    | 0.0312     | 11.7302    | 12.5000   | 93.8     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 8.935 | 20322  | 301338    | 0.0674     | 25.3948    | 25.0000   | 101.6    |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 8.935 | 36925  | 300356    | 0.1229     | 46.2932    | 50.0000   | 92.6     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 8.935 | 97590  | 306491    | 0.3184     | 119.9003   | 125.0000  | 95.9     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 8.938 | 218245 | 316399    | 0.6898     | 259.7419   | 250.0000  | 103.9    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 8.938 | 319950 | 314668    | 1.0168     | 382.8796   | 375.0000  | 102.1    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 8.938 | 428812 | 313585    | 1.3675     | 514.9255   | 500.0000  | 103.0    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 8.935 | 103027 | 307868    | 0.3346     | 126.0141   | 125.0000  |          |

## Compound: 1,3-Dichloropropane

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 8.977 | 2257   | 296081    | 0.0076     | 2.9881     | 2.5000    | 119.5    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 8.985 | 8967   | 296554    | 0.0302     | 11.8526    | 12.5000   | 94.8     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 8.983 | 18745  | 301338    | 0.0622     | 24.3839    | 25.0000   | 97.5     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 8.980 | 37457  | 300356    | 0.1247     | 48.8841    | 50.0000   | 97.8     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 8.980 | 96183  | 306491    | 0.3138     | 123.0132   | 125.0000  | 98.4     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 8.980 | 212669 | 316399    | 0.6722     | 263.4754   | 250.0000  | 105.4    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 8.980 | 312547 | 314668    | 0.9933     | 389.3442   | 375.0000  | 103.8    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 8.980 | 408993 | 313585    | 1.3042     | 511.2479   | 500.0000  | 102.2    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 8.980 | 95697  | 307868    | 0.3108     | 121.8442   | 125.0000  |          |

## Compound: Chlorodibromomethane

| Data File | Sample Type | ISTD             | RT    | Resp | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |      | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 9.203 | 1468 | 296081    | 0.0050     | 2.4461     | 2.5000    | 97.8     |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 9.206 | 7718 | 296554    | 0.0260     | 12.8393    | 12.5000   | 102.7    |

# Quantitative Analysis Results Summary Report

**Compound: Chlorodibromomethane**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 9.197 | 14873  | 301338    | 0.0494     | 24.3492    | 25.0000   | 97.4     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 9.203 | 28153  | 300356    | 0.0937     | 46.2411    | 50.0000   | 92.5     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 9.206 | 75015  | 306491    | 0.2448     | 120.7454   | 125.0000  | 96.6     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 9.203 | 165695 | 316399    | 0.5237     | 258.3535   | 250.0000  | 103.3    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 9.203 | 247279 | 314668    | 0.7858     | 387.6812   | 375.0000  | 103.4    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 9.203 | 330813 | 313585    | 1.0549     | 520.4361   | 500.0000  | 104.1    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 9.203 | 78076  | 307868    | 0.2536     | 125.1103   | 125.0000  |          |

**Compound: 1,2-Dibromoethane**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 9.300 | 1299   | 296081    | 0.0044     | 3.0943     | 2.5000    | 123.8    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 9.300 | 5410   | 296554    | 0.0182     | 12.8640    | 12.5000   | 102.9    |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 9.309 | 10410  | 301338    | 0.0345     | 24.3601    | 25.0000   | 97.4     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 9.303 | 21037  | 300356    | 0.0700     | 49.3889    | 50.0000   | 98.8     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 9.306 | 51827  | 306491    | 0.1691     | 119.2394   | 125.0000  | 95.4     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 9.306 | 115714 | 316399    | 0.3657     | 257.8887   | 250.0000  | 103.2    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 9.306 | 168577 | 314668    | 0.5357     | 377.7698   | 375.0000  | 100.7    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 9.303 | 225877 | 313585    | 0.7203     | 507.9234   | 500.0000  | 101.6    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 9.306 | 54259  | 307868    | 0.1762     | 124.2764   | 125.0000  |          |

**Compound: Chlorobenzene**

| Data File | Sample Type | ISTD             | RT    | Resp    | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|---------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |         | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 9.805 | 5771    | 296081    | 0.0195     | 2.7350     | 2.5000    | 109.4    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 9.802 | 26461   | 296554    | 0.0892     | 12.5204    | 12.5000   | 100.2    |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 9.802 | 53047   | 301338    | 0.1760     | 24.7015    | 25.0000   | 98.8     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 9.802 | 101452  | 300356    | 0.3378     | 47.3959    | 50.0000   | 94.8     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 9.802 | 263617  | 306491    | 0.8601     | 120.6903   | 125.0000  | 96.6     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 9.802 | 582326  | 316399    | 1.8405     | 258.2544   | 250.0000  | 103.3    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 9.802 | 867732  | 314668    | 2.7576     | 386.9455   | 375.0000  | 103.2    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 9.802 | 1153147 | 313585    | 3.6773     | 515.9957   | 500.0000  | 103.2    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 9.802 | 288815  | 307868    | 0.9381     | 131.6352   | 125.0000  |          |

**Compound: 1,1,1,2-Tetrachloroethane**

| Data File | Sample Type | ISTD             | RT    | Resp  | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|-------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |       | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 9.889 | 1893  | 296081    | 0.0064     | 2.5659     | 2.5000    | 102.6    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 9.889 | 9473  | 296554    | 0.0319     | 12.8225    | 12.5000   | 102.6    |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 9.889 | 18130 | 301338    | 0.0602     | 24.1509    | 25.0000   | 96.6     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 9.889 | 35544 | 300356    | 0.1183     | 47.5029    | 50.0000   | 95.0     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 9.889 | 90898 | 306491    | 0.2966     | 119.0492   | 125.0000  | 95.2     |

# Quantitative Analysis Results Summary Report

**Compound: 1,1,1,2-Tetrachloroethane**

| Data File | Sample Type | ISTD             | RT    | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|--------|-----------|------------|------------|-----------|----------|
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 9.891 | 200859 | 316399    | 0.6348     | 254.8274   | 250.0000  | 101.9    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 9.892 | 307436 | 314668    | 0.9770     | 392.1859   | 375.0000  | 104.6    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 9.892 | 406450 | 313585    | 1.2961     | 520.2855   | 500.0000  | 104.1    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 9.892 | 97148  | 307868    | 0.3156     | 126.6657   | 125.0000  |          |

**Compound: Ethylbenzene**

| Data File | Sample Type | ISTD             | RT    | Resp    | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|-------|---------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |       |         | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 9.920 | 9283    | 296081    | 0.0314     | 2.5367     | 2.5000    | 101.5    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 9.917 | 40470   | 296554    | 0.1365     | 11.0411    | 12.5000   | 88.3     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 9.917 | 88428   | 301338    | 0.2935     | 23.7421    | 25.0000   | 95.0     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 9.917 | 173769  | 300356    | 0.5785     | 46.8079    | 50.0000   | 93.6     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 9.920 | 464148  | 306491    | 1.5144     | 122.5243   | 125.0000  | 98.0     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 9.919 | 1043443 | 316399    | 3.2979     | 266.8193   | 250.0000  | 106.7    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 9.919 | 1574219 | 314668    | 5.0028     | 404.7587   | 375.0000  | 107.9    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 9.919 | 2111152 | 313585    | 6.7323     | 544.6881   | 500.0000  | 108.9    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 9.917 | 501953  | 307868    | 1.6304     | 131.9113   | 125.0000  |          |

**Compound: m+p-Xylenes**

| Data File | Sample Type | ISTD             | RT     | Resp    | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|--------|---------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |        |         | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 10.045 | 7212    | 296081    | 0.0244     | 5.0712     | 5.0000    | 101.4    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 10.037 | 31538   | 296554    | 0.1063     | 22.1410    | 25.0000   | 88.6     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 10.039 | 66267   | 301338    | 0.2199     | 45.7836    | 50.0000   | 91.6     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 10.039 | 133498  | 300356    | 0.4445     | 92.5347    | 100.0000  | 92.5     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 10.039 | 368418  | 306491    | 1.2021     | 250.2587   | 250.0000  | 100.1    |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 10.039 | 825866  | 316399    | 2.6102     | 543.4262   | 500.0000  | 108.7    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 10.039 | 1228570 | 314668    | 3.9043     | 812.8556   | 750.0000  | 108.4    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 10.039 | 1637879 | 313585    | 5.2231     | 1087.4082  | 1000.0000 | 108.7    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 10.039 | 388558  | 307868    | 1.2621     | 262.7589   | 250.0000  |          |

**Compound: o-Xylene**

| Data File | Sample Type | ISTD             | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |        |        | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 10.430 | 3330   | 296081    | 0.0112     | 2.6303     | 2.5000    | 105.2    |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 10.430 | 13519  | 296554    | 0.0456     | 10.6612    | 12.5000   | 85.3     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 10.427 | 30463  | 301338    | 0.1011     | 23.6420    | 25.0000   | 94.6     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 10.430 | 61016  | 300356    | 0.2031     | 47.5086    | 50.0000   | 95.0     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 10.430 | 161509 | 306491    | 0.5270     | 123.2378   | 125.0000  | 98.6     |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 10.430 | 365914 | 316399    | 1.1565     | 270.4636   | 250.0000  | 108.2    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 10.433 | 549244 | 314668    | 1.7455     | 408.2043   | 375.0000  | 108.9    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 10.430 | 734101 | 313585    | 2.3410     | 547.4764   | 500.0000  | 109.5    |



# Quantitative Analysis Results Summary Report

**Compound: o-Xylene**

| Data File | Sample Type | ISTD             | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN23.D | QC          | Chlorobenzene-d5 | 10.430 | 174061 | 307868    | 0.5654     | 132.2214   | 125.0000  |          |

**Compound: Styrene**

| Data File | Sample Type | ISTD             | RT     | Resp    | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------|--------|---------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | Chlorobenzene-d5 |        |         | 301196    |            | ND         |           |          |
| 04JAN10.D | Calibration | Chlorobenzene-d5 | 10.444 | 4408    | 296081    | 0.0149     | 2.1625     | 2.5000    | 86.5     |
| 04JAN11.D | Calibration | Chlorobenzene-d5 | 10.449 | 23472   | 296554    | 0.0791     | 11.4968    | 12.5000   | 92.0     |
| 04JAN12.D | Calibration | Chlorobenzene-d5 | 10.447 | 48569   | 301338    | 0.1612     | 23.4119    | 25.0000   | 93.6     |
| 04JAN13.D | Calibration | Chlorobenzene-d5 | 10.444 | 96576   | 300356    | 0.3215     | 46.7052    | 50.0000   | 93.4     |
| 04JAN15.D | Calibration | Chlorobenzene-d5 | 10.447 | 268375  | 306491    | 0.8756     | 127.1910   | 125.0000  | 101.8    |
| 04JAN17.D | Calibration | Chlorobenzene-d5 | 10.446 | 605646  | 316399    | 1.9142     | 278.0455   | 250.0000  | 111.2    |
| 04JAN19.D | Calibration | Chlorobenzene-d5 | 10.447 | 896331  | 314668    | 2.8485     | 413.7595   | 375.0000  | 110.3    |
| 04JAN21.D | Calibration | Chlorobenzene-d5 | 10.449 | 1199879 | 313585    | 3.8263     | 555.7946   | 500.0000  | 111.2    |
| 04JAN23.D | QC          | Chlorobenzene-d5 | 10.449 | 291425  | 307868    | 0.9466     | 137.4974   | 125.0000  |          |

**Compound: Bromoform**

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |        | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.625 | 708    | 227879    | 0.0031     | 2.4287     | 2.5000    | 97.1     |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.625 | 3652   | 242142    | 0.0151     | 11.7860    | 12.5000   | 94.3     |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.625 | 7972   | 240335    | 0.0332     | 25.9212    | 25.0000   | 103.7    |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.625 | 16073  | 248636    | 0.0646     | 50.5170    | 50.0000   | 101.0    |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.628 | 39165  | 264477    | 0.1481     | 115.7218   | 125.0000  | 92.6     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.628 | 87836  | 266553    | 0.3295     | 257.5099   | 250.0000  | 103.0    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.628 | 129038 | 266611    | 0.4840     | 378.2200   | 375.0000  | 100.9    |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.625 | 175918 | 262971    | 0.6690     | 522.7660   | 500.0000  | 104.6    |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 10.628 | 42560  | 255907    | 0.1663     | 129.9644   | 125.0000  |          |

**Compound: p-Bromofluorobenzene**

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 | 10.951 | 226743 | 231562    | 0.9792     | 267.2815   |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.951 | 2719   | 227879    | 0.0119     | 3.2569     | 2.5000    | 130.3    |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.948 | 10059  | 242142    | 0.0415     | 11.3393    | 12.5000   | 90.7     |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.951 | 22267  | 240335    | 0.0926     | 25.2899    | 25.0000   | 101.2    |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.951 | 42506  | 248636    | 0.1710     | 46.6647    | 50.0000   | 93.3     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.954 | 114269 | 264477    | 0.4321     | 117.9350   | 125.0000  | 94.3     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.951 | 261042 | 266553    | 0.9793     | 267.3186   | 250.0000  | 106.9    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.951 | 385474 | 266611    | 1.4458     | 394.6566   | 375.0000  | 105.2    |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 10.949 | 521580 | 262971    | 1.9834     | 541.3964   | 500.0000  | 108.3    |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 10.951 | 253034 | 255907    | 0.9888     | 269.8976   | 250.0000  |          |

# Quantitative Analysis Results Summary Report

**Compound: Bromobenzene**

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |        | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.088 | 2024   | 227879    | 0.0089     | 2.7439     | 2.5000    | 109.8    |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.096 | 9663   | 242142    | 0.0399     | 12.3310    | 12.5000   | 98.6     |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.094 | 19259  | 240335    | 0.0801     | 24.7613    | 25.0000   | 99.0     |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.093 | 38282  | 248636    | 0.1540     | 47.5759    | 50.0000   | 95.2     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.094 | 102265 | 264477    | 0.3867     | 119.4801   | 125.0000  | 95.6     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.093 | 227127 | 266553    | 0.8521     | 263.2944   | 250.0000  | 105.3    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.093 | 333431 | 266611    | 1.2506     | 386.4420   | 375.0000  | 103.1    |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.094 | 439147 | 262971    | 1.6699     | 516.0104   | 500.0000  | 103.2    |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 11.093 | 109054 | 255907    | 0.4261     | 131.6788   | 125.0000  |          |

**Compound: 1,1,2,2-Tetrachloroethane**

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |        | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.113 | 1142   | 227879    | 0.0050     | 2.6916     | 2.5000    | 107.7    |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.116 | 5793   | 242142    | 0.0239     | 12.8437    | 12.5000   | 102.7    |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.110 | 12440  | 240335    | 0.0518     | 27.7883    | 25.0000   | 111.2    |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.105 | 22514  | 248636    | 0.0906     | 48.6124    | 50.0000   | 97.2     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.116 | 56958  | 264477    | 0.2154     | 115.6179   | 125.0000  | 92.5     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.113 | 124205 | 266553    | 0.4660     | 250.1577   | 250.0000  | 100.1    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.110 | 182470 | 266611    | 0.6844     | 367.4276   | 375.0000  | 98.0     |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.113 | 240837 | 262971    | 0.9158     | 491.6700   | 500.0000  | 98.3     |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 11.113 | 60763  | 255907    | 0.2374     | 127.4722   | 125.0000  |          |

**Compound: 1,2,3-Trichloropropane**

| Data File | Sample Type | ISTD                   | RT     | Resp  | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|-------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |       | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 |        |       | 227879    |            | ND         | 2.5000    |          |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.144 | 1654  | 242142    | 0.0068     | 13.7084    | 12.5000   | 109.7    |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.149 | 3200  | 240335    | 0.0133     | 26.7144    | 25.0000   | 106.9    |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.146 | 6096  | 248636    | 0.0245     | 49.1924    | 50.0000   | 98.4     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.147 | 14846 | 264477    | 0.0561     | 112.6261   | 125.0000  | 90.1     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.152 | 33115 | 266553    | 0.1242     | 249.2635   | 250.0000  | 99.7     |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.149 | 48325 | 266611    | 0.1813     | 363.6732   | 375.0000  | 97.0     |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.146 | 64422 | 262971    | 0.2450     | 491.5229   | 500.0000  | 98.3     |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 11.146 | 15682 | 255907    | 0.0613     | 122.9523   | 125.0000  |          |

**Compound: 2-Chlorotoluene**

| Data File | Sample Type | ISTD                   | RT     | Resp | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |      | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.292 | 1844 | 227879    | 0.0081     | 2.5124     | 2.5000    | 100.5    |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.289 | 8731 | 242142    | 0.0361     | 11.1977    | 12.5000   | 89.6     |

# Quantitative Analysis Results Summary Report

## Compound: 2-Chlorotoluene

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.286 | 19390  | 240335    | 0.0807     | 25.0550    | 25.0000   | 100.2    |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.289 | 37987  | 248636    | 0.1528     | 47.4466    | 50.0000   | 94.9     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.292 | 102424 | 264477    | 0.3873     | 120.2675   | 125.0000  | 96.2     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.291 | 229396 | 266553    | 0.8606     | 267.2616   | 250.0000  | 106.9    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.291 | 336386 | 266611    | 1.2617     | 391.8269   | 375.0000  | 104.5    |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.292 | 455991 | 262971    | 1.7340     | 538.4964   | 500.0000  | 107.7    |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 11.291 | 108192 | 255907    | 0.4228     | 131.2948   | 125.0000  |          |

## Compound: 4-Chlorotoluene

| Data File | Sample Type | ISTD                   | RT     | Resp    | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|---------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |         | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.400 | 5419    | 227879    | 0.0238     | 2.2650     | 2.5000    | 90.6     |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.400 | 28532   | 242142    | 0.1178     | 11.2233    | 12.5000   | 89.8     |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.400 | 61551   | 240335    | 0.2561     | 24.3936    | 25.0000   | 97.6     |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.400 | 126308  | 248636    | 0.5080     | 48.3865    | 50.0000   | 96.8     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.400 | 336146  | 264477    | 1.2710     | 121.0591   | 125.0000  | 96.8     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.400 | 748435  | 266553    | 2.8078     | 267.4409   | 250.0000  | 107.0    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.400 | 1109221 | 266611    | 4.1604     | 396.2756   | 375.0000  | 105.7    |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 11.400 | 1468376 | 262971    | 5.5838     | 531.8471   | 500.0000  | 106.4    |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 11.400 | 368295  | 255907    | 1.4392     | 137.0790   | 125.0000  |          |

## Compound: 1,3-Dichlorobenzene

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |        | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.033 | 3541   | 227879    | 0.0155     | 2.6327     | 2.5000    | 105.3    |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.036 | 16932  | 242142    | 0.0699     | 11.8473    | 12.5000   | 94.8     |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.033 | 36559  | 240335    | 0.1521     | 25.7725    | 25.0000   | 103.1    |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.033 | 69539  | 248636    | 0.2797     | 47.3853    | 50.0000   | 94.8     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.031 | 183404 | 264477    | 0.6935     | 117.4899   | 125.0000  | 94.0     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.033 | 406895 | 266553    | 1.5265     | 258.6297   | 250.0000  | 103.5    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.033 | 603674 | 266611    | 2.2643     | 383.6225   | 375.0000  | 102.3    |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.033 | 793993 | 262971    | 3.0193     | 511.5504   | 500.0000  | 102.3    |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 12.033 | 204088 | 255907    | 0.7975     | 135.1185   | 125.0000  |          |

## Compound: 1,4-Dichlorobenzene

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |        | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.125 | 3787   | 227879    | 0.0166     | 2.7613     | 2.5000    | 110.5    |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.122 | 17438  | 242142    | 0.0720     | 11.9662    | 12.5000   | 95.7     |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.125 | 36635  | 240335    | 0.1524     | 25.3284    | 25.0000   | 101.3    |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.125 | 71841  | 248636    | 0.2889     | 48.0106    | 50.0000   | 96.0     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.125 | 189045 | 264477    | 0.7148     | 118.7699   | 125.0000  | 95.0     |



# Quantitative Analysis Results Summary Report

**Compound: 1,4-Dichlorobenzene**

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.122 | 408934 | 266553    | 1.5342     | 254.9170   | 250.0000  | 102.0    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.125 | 595919 | 266611    | 2.2352     | 371.3969   | 375.0000  | 99.0     |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.125 | 794954 | 262971    | 3.0230     | 502.3001   | 500.0000  | 100.5    |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 12.122 | 200032 | 255907    | 0.7817     | 129.8812   | 125.0000  |          |

**Compound: 1,2-Dichlorobenzene**

| Data File | Sample Type | ISTD                   | RT     | Resp   | ISTD Resp | Resp Ratio | Final Conc | Exp. Conc | Accuracy |
|-----------|-------------|------------------------|--------|--------|-----------|------------|------------|-----------|----------|
| 04JAN09.D | Blank       | 1,4-Dichlorobenzene-d4 |        |        | 231562    |            | ND         |           |          |
| 04JAN10.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.499 | 3104   | 227879    | 0.0136     | 2.7307     | 2.5000    | 109.2    |
| 04JAN11.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.493 | 14666  | 242142    | 0.0606     | 12.1423    | 12.5000   | 97.1     |
| 04JAN12.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.488 | 29899  | 240335    | 0.1244     | 24.9402    | 25.0000   | 99.8     |
| 04JAN13.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.491 | 60213  | 248636    | 0.2422     | 48.5498    | 50.0000   | 97.1     |
| 04JAN15.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.493 | 152284 | 264477    | 0.5758     | 115.4323   | 125.0000  | 92.3     |
| 04JAN17.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.493 | 342576 | 266553    | 1.2852     | 257.6524   | 250.0000  | 103.1    |
| 04JAN19.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.493 | 499147 | 266611    | 1.8722     | 375.3283   | 375.0000  | 100.1    |
| 04JAN21.D | Calibration | 1,4-Dichlorobenzene-d4 | 12.493 | 664247 | 262971    | 2.5259     | 506.3871   | 500.0000  | 101.3    |
| 04JAN23.D | QC          | 1,4-Dichlorobenzene-d4 | 12.493 | 164299 | 255907    | 0.6420     | 128.7104   | 125.0000  |          |

# Initial Calibration Report - VOA5975C

Method Path \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C\_010422\_CAL  
 Method File VOA5975C\_8260B\_SHT\_DoD\_L4\_010422.m  
 Batch Name D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422\_8260B.batch.bin  
 Last Calib Update 1/9/2022 8:59:52 PM

| Level Name | Calibration Files                       | Acq. Date-Time      | Level Last Update Time |
|------------|---|---------------------|------------------------|
| 1          | D:\Org\Data\VOA5975C\VG010422\04JAN10.D | 1/4/2022 3:33:04 PM | 1/5/2022 11:05:51 AM   |
| 2          | D:\Org\Data\VOA5975C\VG010422\04JAN11.D | 1/4/2022 4:00:35 PM | 1/5/2022 11:05:51 AM   |
| 3          | D:\Org\Data\VOA5975C\VG010422\04JAN12.D | 1/4/2022 4:28:05 PM | 1/5/2022 11:05:51 AM   |
| 4          | D:\Org\Data\VOA5975C\VG010422\04JAN13.D | 1/4/2022 4:55:32 PM | 1/5/2022 11:05:51 AM   |
| 5          | D:\Org\Data\VOA5975C\VG010422\04JAN15.D | 1/4/2022 5:50:25 PM | 1/5/2022 11:05:51 AM   |
| 6          | D:\Org\Data\VOA5975C\VG010422\04JAN17.D | 1/4/2022 6:45:10 PM | 1/5/2022 11:05:51 AM   |
| 7          | D:\Org\Data\VOA5975C\VG010422\04JAN19.D | 1/4/2022 7:39:45 PM | 1/5/2022 11:05:51 AM   |
| 8          | D:\Org\Data\VOA5975C\VG010422\04JAN21.D | 1/4/2022 8:34:31 PM | 1/5/2022 11:05:51 AM   |

| Compound                         | Curve Fit | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | Avg RF   | %RSD   |
|----------------------------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|
| ----- ISTD -----                 |           |        |        |        |        |        |        |        |        |          |        |
| I Fluorobenzene                  |           |        |        |        |        |        |        |        |        |          |        |
| T Dichlorodifluoromethane        | Avg RF    |        | 0.3162 | 0.3365 | 0.3242 | 0.3350 | 0.3304 | 0.3267 | 0.3242 | 0.3276   | 2.141  |
| T Chloromethane                  | Avg RF    |        | 0.4411 | 0.4190 | 0.3960 | 0.3901 | 0.3821 | 0.3733 | 0.3819 | 0.3976   | 6.061  |
| T Vinyl chloride                 | Avg RF    |        | 0.3591 | 0.3671 | 0.3503 | 0.3603 | 0.3559 | 0.3553 | 0.3566 | 0.3578   | 1.449  |
| T Bromomethane                   | Avg RF    |        | 0.1542 | 0.1650 | 0.1523 | 0.1583 | 0.1611 | 0.1643 | 0.1648 | 0.1600   | 3.267  |
| T Chloroethane                   | Avg RF    |        | 0.2107 | 0.1851 | 0.1638 | 0.1735 | 0.1642 | 0.1721 | 0.1706 | 0.1771   | 9.265  |
| T Trichlorofluoromethane         | Avg RF    |        | 0.4037 | 0.4735 | 0.4380 | 0.4586 | 0.4602 | 0.4399 | 0.4349 | 0.4441   | 5.118  |
| T 1,1-Dichloroethene             | Avg RF    |        | 0.2399 | 0.2607 | 0.2458 | 0.2415 | 0.2600 | 0.2554 | 0.2594 | 0.2518   | 3.629  |
| T Methylene chloride             | Avg RF    |        | 0.4640 | 0.3906 | 0.3745 | 0.3285 | 0.3496 | 0.3446 | 0.3467 | 0.3712   | 12.340 |
| T trans-1,2-Dichloroethene       | Avg RF    |        | 0.2570 | 0.2617 | 0.2544 | 0.2439 | 0.2617 | 0.2577 | 0.2621 | 0.2569   | 2.508  |
| T Methyl tert-butyl ether (MTBE) | Avg RF    |        | 0.3274 | 0.3061 | 0.3157 | 0.3378 | 0.3440 | 0.3464 | 0.3472 | 0.3321   | 4.880  |
| T 1,1-Dichloroethane             | Avg RF    |        | 0.4616 | 0.4913 | 0.4704 | 0.4519 | 0.4943 | 0.4852 | 0.4929 | 0.4782   | 3.547  |
| T 2,2-Dichloropropane            | Avg RF    |        | 0.3578 | 0.3765 | 0.3611 | 0.3392 | 0.3627 | 0.3534 | 0.3576 | 0.3583   | 3.118  |
| T cis-1,2-Dichloroethene         | Avg RF    |        | 0.2618 | 0.2559 | 0.2522 | 0.2430 | 0.2728 | 0.2686 | 0.2688 | 0.2605   | 4.101  |
| T Methyl ethyl ketone            | Avg RF    |        | 0.0344 | 0.0332 | 0.0338 | 0.0327 | 0.0379 | 0.0373 | 0.0376 | 0.0353 # | 6.353  |
| T Bromochloromethane             | Avg RF    |        | 0.1118 | 0.1098 | 0.1114 | 0.1019 | 0.1066 | 0.1070 | 0.1067 | 0.1079   | 3.188  |
| T Chloroform                     | Avg RF    | 0.5510 | 0.4975 | 0.4602 | 0.4588 | 0.4363 | 0.4723 | 0.4657 | 0.4656 | 0.4759   | 7.299  |
| T 1,1,1-Trichloroethane          | Avg RF    |        | 0.4349 | 0.4492 | 0.4306 | 0.4231 | 0.4616 | 0.4599 | 0.4628 | 0.4460   | 3.677  |
| S Dibromofluoromethane           | Avg RF    |        | 0.2374 | 0.2414 | 0.2269 | 0.2169 | 0.2440 | 0.2416 | 0.2404 | 0.2355   | 4.222  |
| T Carbon tetrachloride           | Avg RF    |        | 0.4308 | 0.4355 | 0.4197 | 0.4200 | 0.4586 | 0.4534 | 0.4581 | 0.4394   | 3.906  |
| T 1,1-Dichloropropene            | Avg RF    |        | 0.3440 | 0.3695 | 0.3623 | 0.3635 | 0.4015 | 0.4016 | 0.4122 | 0.3792   | 6.770  |
| S 1,2-Dichloroethane-d4          | Avg RF    |        | 0.1030 | 0.1047 | 0.0979 | 0.0949 | 0.1051 | 0.1026 | 0.1038 | 0.1017   | 3.759  |
| T Benzene                        | Avg RF    | 1.0907 | 0.9699 | 0.9473 | 0.9557 | 0.9313 | 1.0254 | 1.0242 | 1.0186 | 0.9954   | 5.369  |
| T 1,2-Dichloroethane             | Avg RF    | 0.3133 | 0.2669 | 0.2527 | 0.2638 | 0.2547 | 0.2714 | 0.2635 | 0.2679 | 0.2693   | 7.024  |
| ----- ISTD -----                 |           |        |        |        |        |        |        |        |        |          |        |
| I Chlorobenzene-d5               |           |        |        |        |        |        |        |        |        |          |        |
| T Trichloroethene                | Avg RF    |        | 0.7042 | 0.7283 | 0.7105 | 0.7447 | 0.7910 | 0.7932 | 0.8058 | 0.7540   | 5.603  |
| T 1,2-Dichloropropane            | Avg RF    |        | 0.6399 | 0.6663 | 0.6304 | 0.6472 | 0.6757 | 0.6877 | 0.6953 | 0.6632   | 3.729  |
| T Dibromomethane                 | Avg RF    |        | 0.3153 | 0.2673 | 0.2662 | 0.2651 | 0.2828 | 0.2845 | 0.2807 | 0.2803   | 6.261  |
| T Bromodichloromethane           | Avg RF    |        | 0.7798 | 0.7547 | 0.7308 | 0.7548 | 0.7958 | 0.7966 | 0.8019 | 0.7735   | 3.503  |

## Initial Calibration Report - VOA5975C

| Compound                    | Curve Fit | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | Avg RF | %RSD  |
|-----------------------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| T cis-1,3-Dichloropropene   | Avg RF    |        | 0.8447 | 0.8134 | 0.8138 | 0.8445 | 0.9280 | 0.9347 | 0.9426 | 0.8745 | 6.654 |
| S Toluene-d8                | Avg RF    |        | 2.1796 | 2.2458 | 2.2715 | 2.3373 | 2.6021 | 2.6054 | 2.6222 | 2.4091 | 8.032 |
| T Toluene                   | Avg RF    | 1.7019 | 1.4698 | 1.5383 | 1.5301 | 1.5969 | 1.7129 | 1.7229 | 1.7462 | 1.6274 | 6.538 |
| T trans-1,3-Dichloropropene | Avg RF    |        | 0.5856 | 0.5924 | 0.5856 | 0.6050 | 0.6569 | 0.6675 | 0.6645 | 0.6225 | 6.190 |
| T 1,1,2-Trichloroethane     | Avg RF    |        | 0.3433 | 0.3351 | 0.3144 | 0.3046 | 0.3220 | 0.3227 | 0.3276 | 0.3242 | 3.951 |
| T Tetrachloroethene         | Avg RF    | 0.7110 | 0.6230 | 0.6744 | 0.6147 | 0.6368 | 0.6898 | 0.6779 | 0.6837 | 0.6639 | 5.221 |
| T 1,3-Dichloropropane       | Avg RF    |        | 0.6047 | 0.6221 | 0.6235 | 0.6276 | 0.6722 | 0.6622 | 0.6521 | 0.6378 | 3.855 |
| T Chlorodibromomethane      | Avg RF    |        | 0.5205 | 0.4936 | 0.4687 | 0.4895 | 0.5237 | 0.5239 | 0.5275 | 0.5068 | 4.501 |
| T 1,2-Dibromoethane         | Avg RF    |        | 0.3649 | 0.3455 | 0.3502 | 0.3382 | 0.3657 | 0.3572 | 0.3602 | 0.3545 | 2.909 |
| T Chlorobenzene             | Avg RF    |        | 1.7846 | 1.7604 | 1.6889 | 1.7202 | 1.8405 | 1.8384 | 1.8387 | 1.7817 | 3.458 |
| T 1,1,1,2-Tetrachloroethane | Avg RF    |        | 0.6389 | 0.6016 | 0.5917 | 0.5932 | 0.6348 | 0.6513 | 0.6481 | 0.6228 | 4.223 |
| T Ethylbenzene              | Avg RF    | 3.1353 | 2.7294 | 2.9345 | 2.8927 | 3.0288 | 3.2979 | 3.3352 | 3.3662 | 3.0900 | 7.526 |
| T m+p-Xylenes               | Avg RF    | 1.2179 | 1.0635 | 1.0995 | 1.1112 | 1.2021 | 1.3051 | 1.3014 | 1.3058 | 1.2008 | 8.296 |
| T o-Xylene                  | Avg RF    |        | 0.9117 | 1.0109 | 1.0157 | 1.0539 | 1.1565 | 1.1636 | 1.1705 | 1.0690 | 9.204 |
| T Styrene                   | Avg RF    | 1.4888 | 1.5830 | 1.6118 | 1.6077 | 1.7513 | 1.9142 | 1.8990 | 1.9132 | 1.7211 | 9.933 |
| I 1,4-Dichlorobenzene-d4    |           |        |        |        |        |        |        |        |        |        |       |
| ----- ISTD -----            |           |        |        |        |        |        |        |        |        |        |       |
| T Bromoform                 | Avg RF    |        | 0.3016 | 0.3317 | 0.3232 | 0.2962 | 0.3295 | 0.3227 | 0.3345 | 0.3199 | 4.706 |
| S p-Bromofluorobenzene      | Avg RF    |        | 0.8308 | 0.9265 | 0.8548 | 0.8641 | 0.9793 | 0.9639 | 0.9917 | 0.9159 | 7.165 |
| T Bromobenzene              | Avg RF    |        | 0.7981 | 0.8013 | 0.7698 | 0.7733 | 0.8521 | 0.8338 | 0.8350 | 0.8091 | 3.949 |
| T 1,1,2,2-Tetrachloroethane | Avg RF    |        | 0.4785 | 0.5176 | 0.4528 | 0.4307 | 0.4660 | 0.4563 | 0.4579 | 0.4657 | 5.814 |
| T 1,2,3-Trichloropropane    | Avg RF    |        | 0.1366 | 0.1331 | 0.1226 | 0.1123 | 0.1242 | 0.1208 | 0.1225 | 0.1246 | 6.496 |
| T 2-Chlorotoluene           | Avg RF    |        | 0.7211 | 0.8068 | 0.7639 | 0.7745 | 0.8606 | 0.8411 | 0.8670 | 0.8050 | 6.783 |
| T 4-Chlorotoluene           | Avg RF    |        | 2.3566 | 2.5611 | 2.5400 | 2.5420 | 2.8078 | 2.7736 | 2.7919 | 2.6247 | 6.481 |
| T 1,3-Dichlorobenzene       | Avg RF    | 1.5539 | 1.3985 | 1.5212 | 1.3984 | 1.3869 | 1.5265 | 1.5095 | 1.5097 | 1.4756 | 4.644 |
| T 1,4-Dichlorobenzene       | Avg RF    | 1.6618 | 1.4403 | 1.5243 | 1.4447 | 1.4296 | 1.5342 | 1.4901 | 1.5115 | 1.5046 | 4.999 |
| T 1,2-Dichlorobenzene       | Avg RF    | 1.3621 | 1.2114 | 1.2441 | 1.2109 | 1.1516 | 1.2852 | 1.2481 | 1.2630 | 1.2470 | 4.949 |

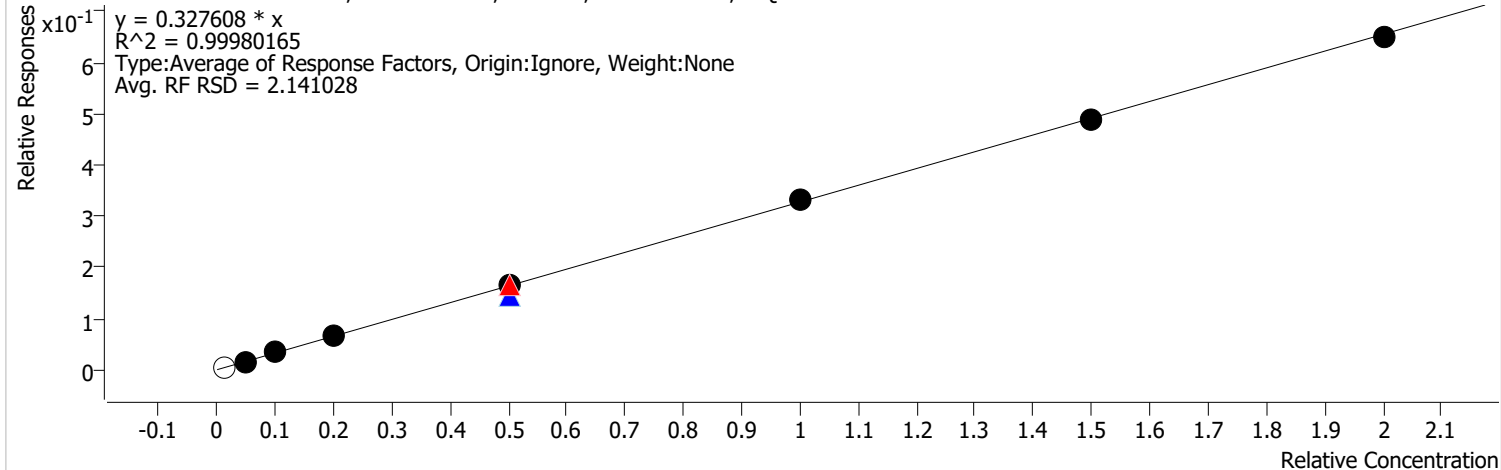
(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:39 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Dichlorodifluoromethane %RSE = 2.1**

Dichlorodifluoromethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



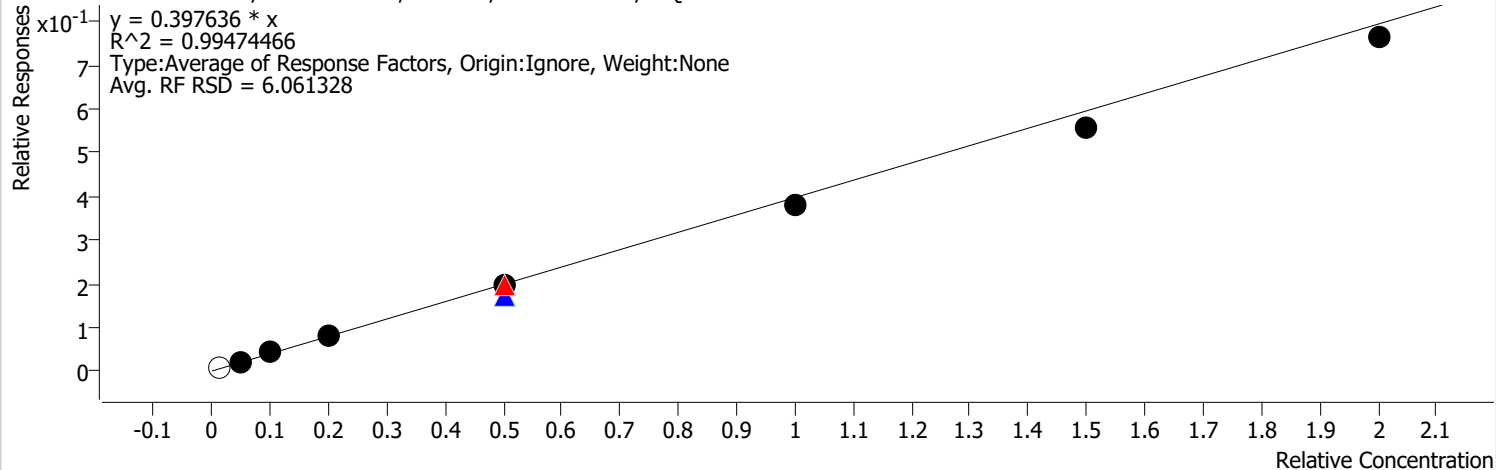
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 4353   | 2.5000    | 0.5647       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 12087  | 12.5000   | 0.3162       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 26627  | 25.0000   | 0.3365       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 50457  | 50.0000   | 0.3242       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 116936 | 125.0000  | 0.2919       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 137933 | 125.0000  | 0.3350       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 137933 | 125.0000  | 0.3350       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 276334 | 250.0000  | 0.3304       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 412544 | 375.0000  | 0.3267       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 545484 | 500.0000  | 0.3242       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:42 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Chloromethane %RSE = 6.1**

Chloromethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



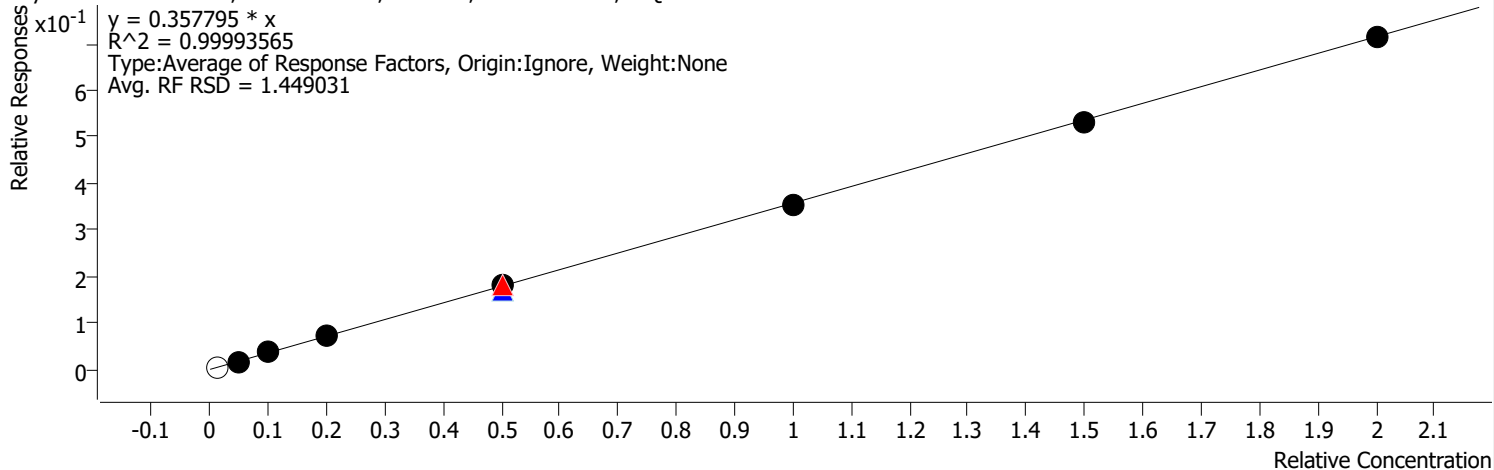
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 7435   | 2.5000    | 0.9645       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 16859  | 12.5000   | 0.4411       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 33153  | 25.0000   | 0.4190       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 61632  | 50.0000   | 0.3960       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 138617 | 125.0000  | 0.3460       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 160604 | 125.0000  | 0.3901       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 160604 | 125.0000  | 0.3901       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 319523 | 250.0000  | 0.3821       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 471454 | 375.0000  | 0.3733       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 642582 | 500.0000  | 0.3819       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:42 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Vinyl chloride %RSE = 1.4**

Vinyl chloride - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



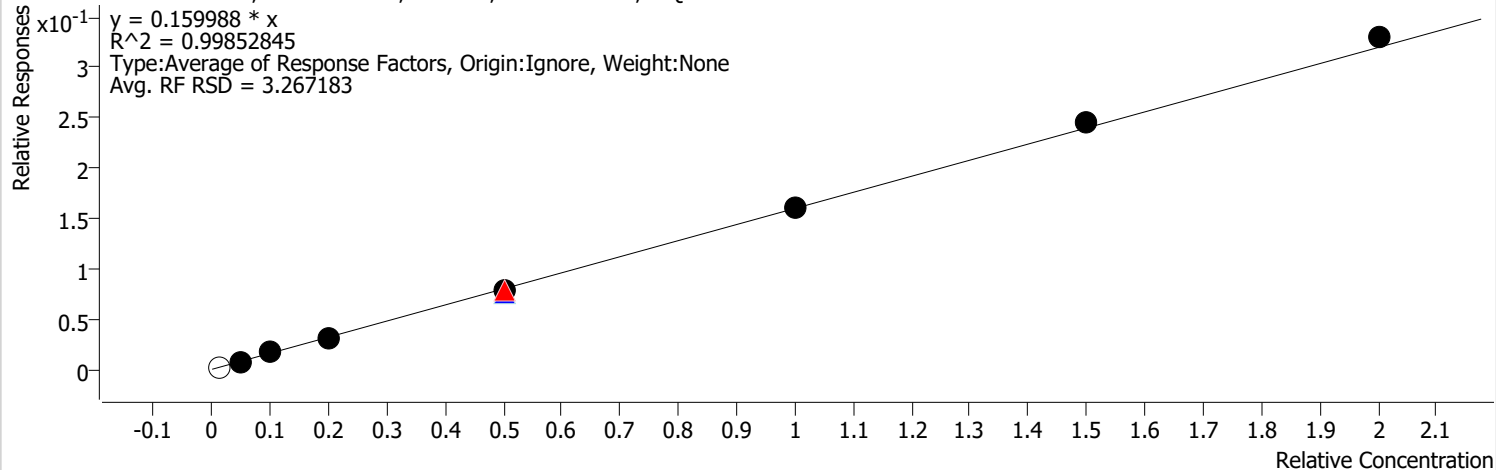
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|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 4274   | 2.5000    | 0.5544       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 13724  | 12.5000   | 0.3591       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 29046  | 25.0000   | 0.3671       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 54521  | 50.0000   | 0.3503       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 137775 | 125.0000  | 0.3439       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 148358 | 125.0000  | 0.3603       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 148358 | 125.0000  | 0.3603       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 297604 | 250.0000  | 0.3559       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 448643 | 375.0000  | 0.3553       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 600092 | 500.0000  | 0.3566       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:42 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Bromomethane %RSE = 3.3**

Bromomethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



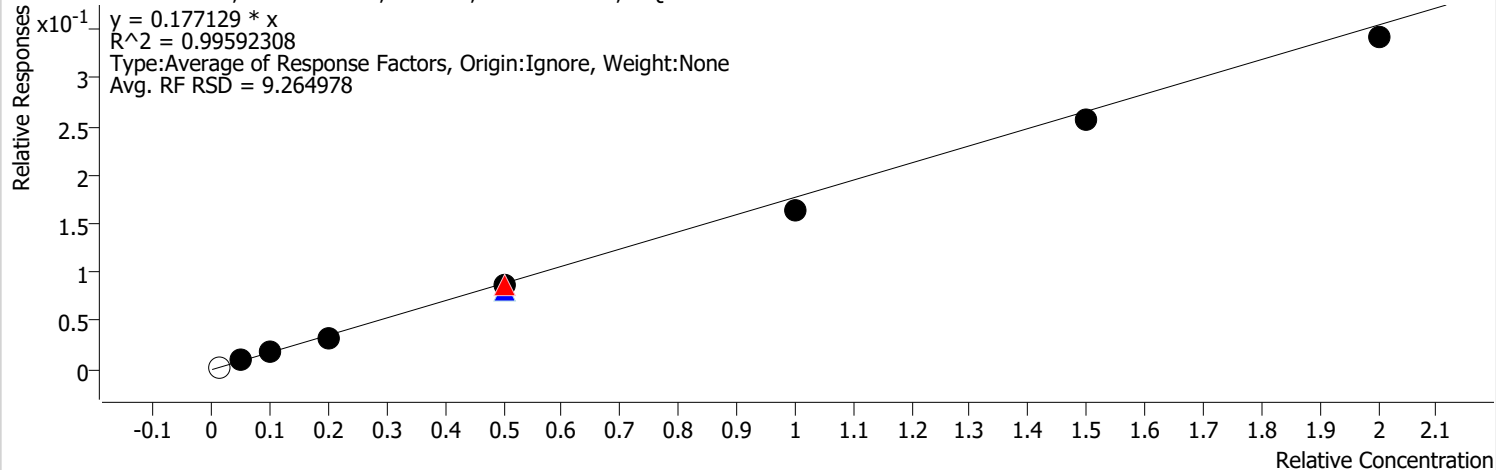
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 1902   | 2.5000    | 0.2467       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 5893   | 12.5000   | 0.1542       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 13054  | 25.0000   | 0.1650       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 23699  | 50.0000   | 0.1523       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 59947  | 125.0000  | 0.1496       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 65163  | 125.0000  | 0.1583       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 65163  | 125.0000  | 0.1583       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 134737 | 250.0000  | 0.1611       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 207491 | 375.0000  | 0.1643       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 277301 | 500.0000  | 0.1648       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:42 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Chloroethane %RSE = 9.3**

Chloroethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2178   | 2.5000    | 0.2825       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 8052   | 12.5000   | 0.2107       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 14646  | 25.0000   | 0.1851       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 25484  | 50.0000   | 0.1638       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 65619  | 125.0000  | 0.1638       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 71420  | 125.0000  | 0.1735       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 71420  | 125.0000  | 0.1735       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 137312 | 250.0000  | 0.1642       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 217393 | 375.0000  | 0.1721       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 287041 | 500.0000  | 0.1706       |           |

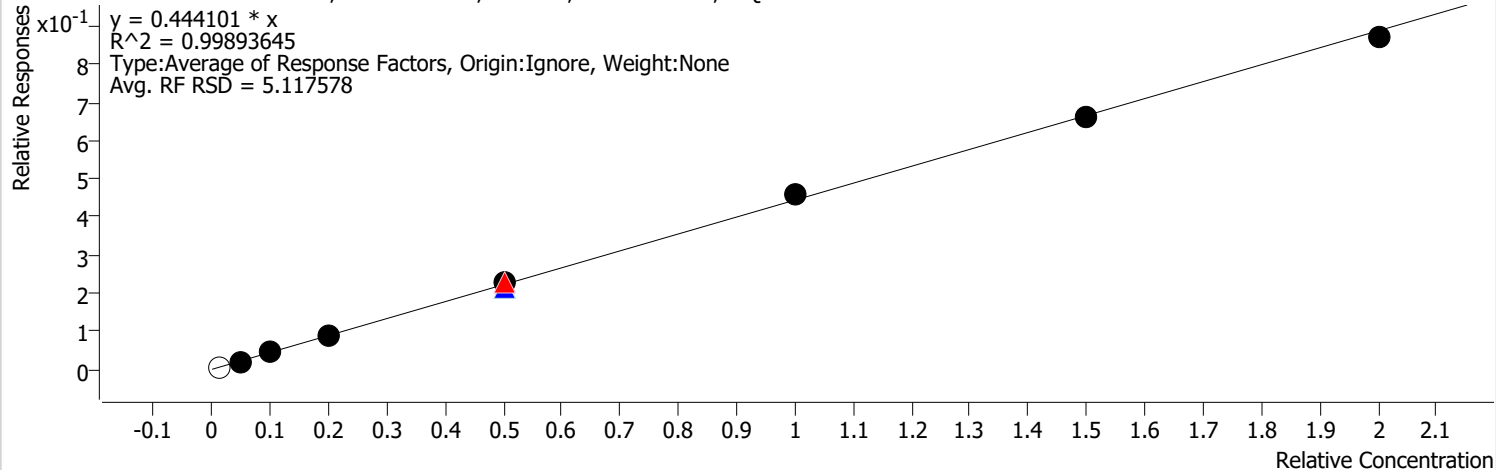


# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Trichlorofluoromethane %RSE = 5.1**

Trichlorofluoromethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs

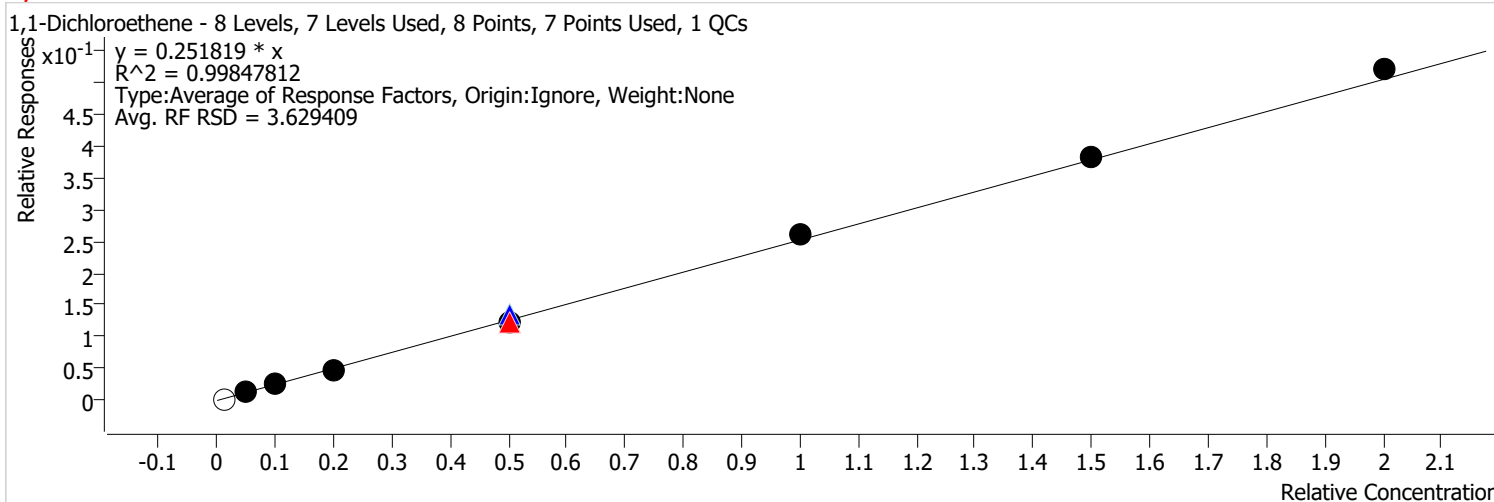


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 5030   | 2.5000    | 0.6525       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 15431  | 12.5000   | 0.4037       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 37464  | 25.0000   | 0.4735       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 68163  | 50.0000   | 0.4380       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 173333 | 125.0000  | 0.4327       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 188808 | 125.0000  | 0.4586       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 188808 | 125.0000  | 0.4586       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 384837 | 250.0000  | 0.4602       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 555477 | 375.0000  | 0.4399       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 731829 | 500.0000  | 0.4349       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,1-Dichloroethene %RSE = 3.6**

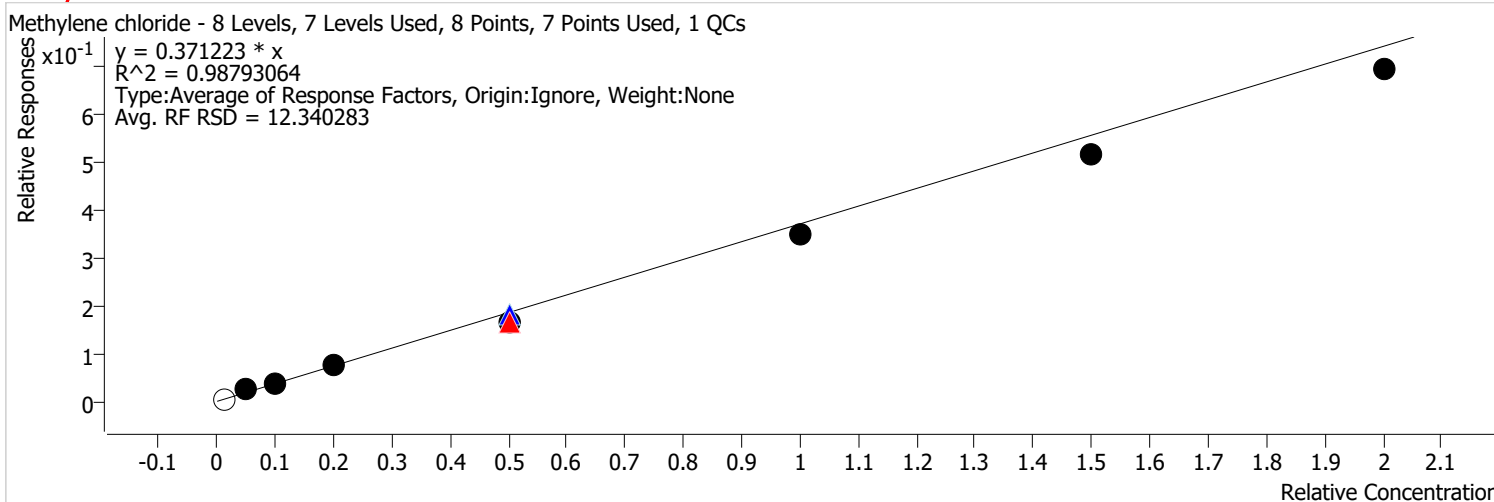


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2084   | 2.5000    | 0.2703       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 9169   | 12.5000   | 0.2399       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 20631  | 25.0000   | 0.2607       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 38253  | 50.0000   | 0.2458       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 108512 | 125.0000  | 0.2709       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 99438  | 125.0000  | 0.2415       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 99438  | 125.0000  | 0.2415       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 217406 | 250.0000  | 0.2600       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 322557 | 375.0000  | 0.2554       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 436507 | 500.0000  | 0.2594       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Methylene chloride %RSE = 12.3**

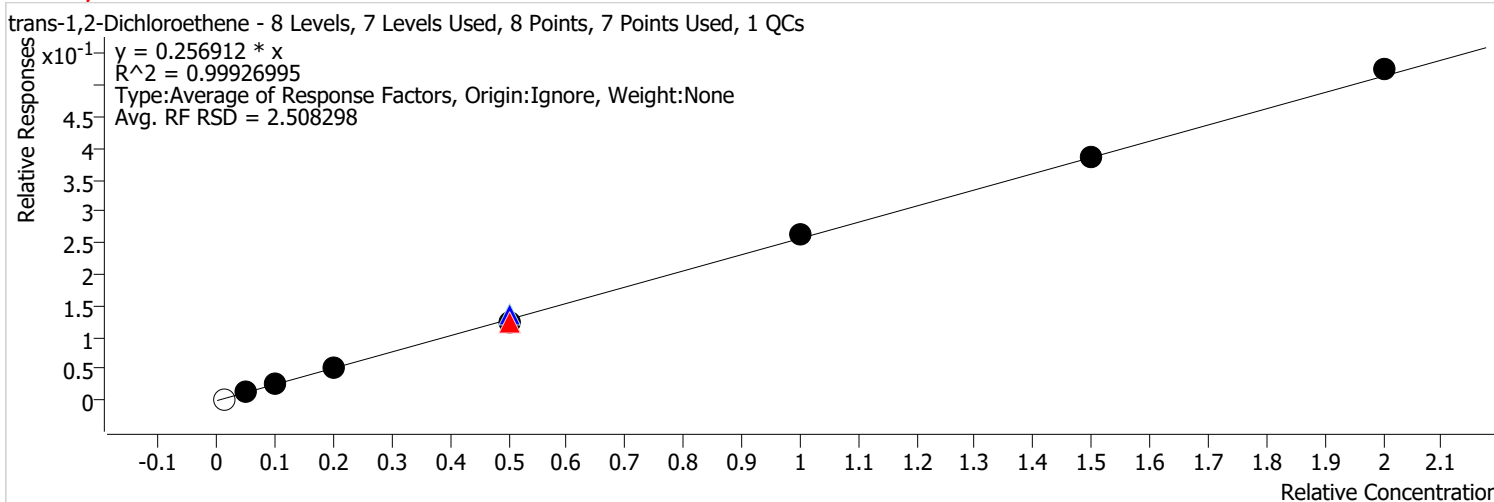


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 4095   | 2.5000    | 0.5312       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 17734  | 12.5000   | 0.4640       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 30908  | 25.0000   | 0.3906       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 58282  | 50.0000   | 0.3745       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 144585 | 125.0000  | 0.3609       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 135271 | 125.0000  | 0.3285       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 135271 | 125.0000  | 0.3285       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 292397 | 250.0000  | 0.3496       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 435116 | 375.0000  | 0.3446       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 583438 | 500.0000  | 0.3467       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**trans-1,2-Dichloroethene %RSE = 2.5**



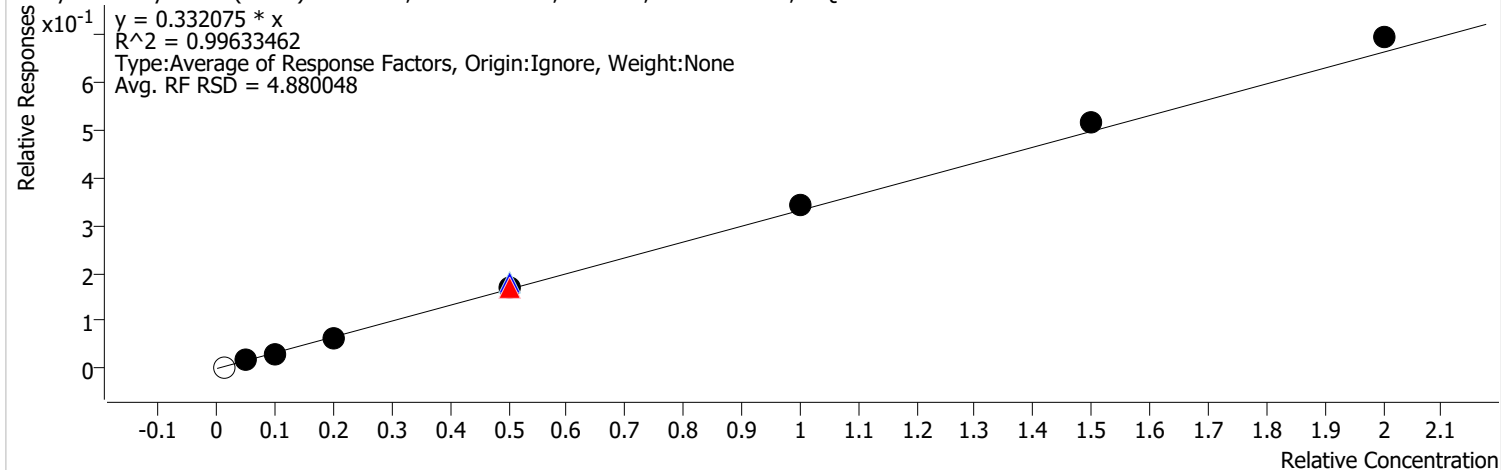
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2146   | 2.5000    | 0.2784       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 9821   | 12.5000   | 0.2570       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 20706  | 25.0000   | 0.2617       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 39596  | 50.0000   | 0.2544       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 110909 | 125.0000  | 0.2769       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 100409 | 125.0000  | 0.2439       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 100409 | 125.0000  | 0.2439       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 218855 | 250.0000  | 0.2617       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 325415 | 375.0000  | 0.2577       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 440967 | 500.0000  | 0.2621       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Methyl tert-butyl ether (MTBE) %RSE = 4.9**

Methyl tert-butyl ether (MTBE) - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs

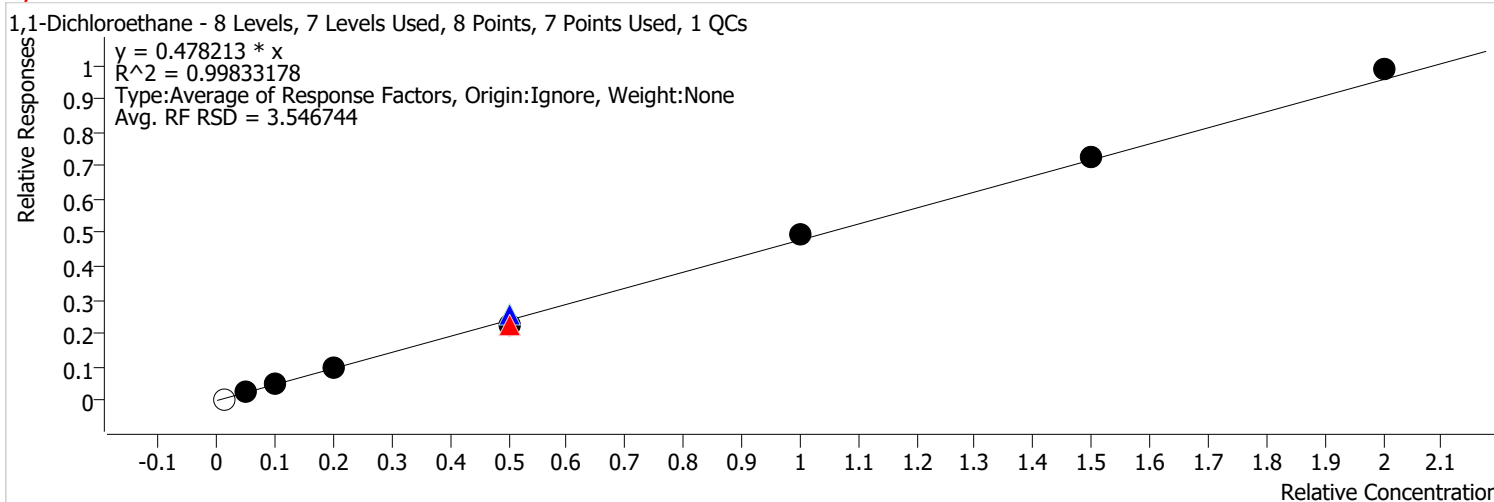


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2717   | 2.5000    | 0.3524       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 12515  | 12.5000   | 0.3274       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 24218  | 25.0000   | 0.3061       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 49126  | 50.0000   | 0.3157       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 143378 | 125.0000  | 0.3579       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 139068 | 125.0000  | 0.3378       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 139068 | 125.0000  | 0.3378       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 287653 | 250.0000  | 0.3440       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 437439 | 375.0000  | 0.3464       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 584294 | 500.0000  | 0.3472       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,1-Dichloroethane %RSE = 3.5**



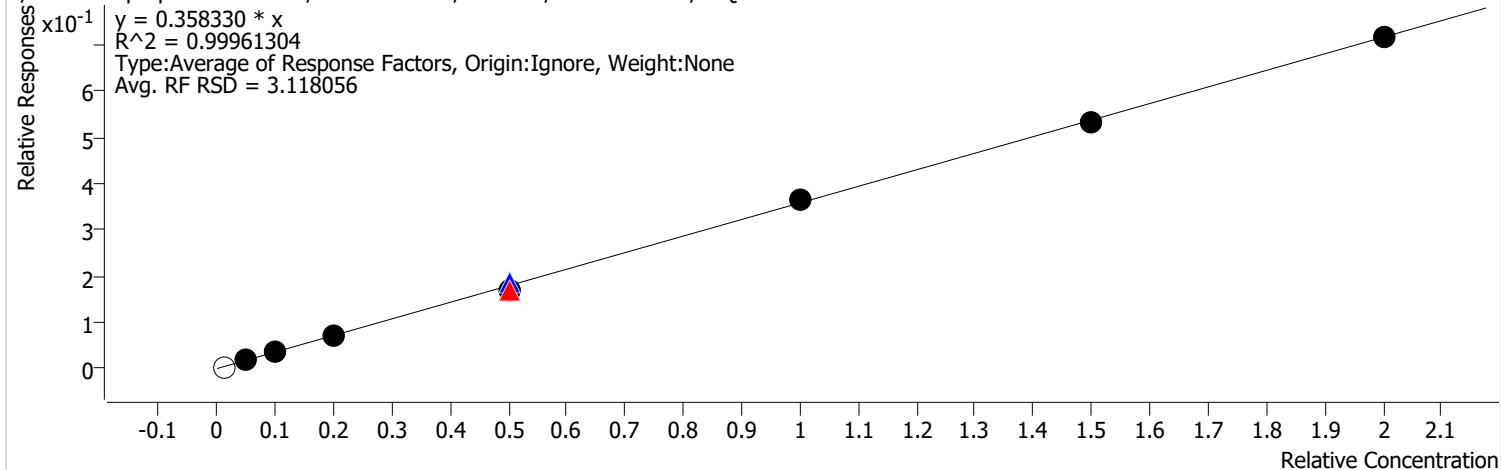
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 3892   | 2.5000    | 0.5049       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 17642  | 12.5000   | 0.4616       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 38874  | 25.0000   | 0.4913       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 73205  | 50.0000   | 0.4704       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 208131 | 125.0000  | 0.5195       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 186052 | 125.0000  | 0.4519       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 186052 | 125.0000  | 0.4519       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 413408 | 250.0000  | 0.4943       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 612660 | 375.0000  | 0.4852       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 829359 | 500.0000  | 0.4929       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**2,2-Dichloropropane %RSE = 3.1**

2,2-Dichloropropane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



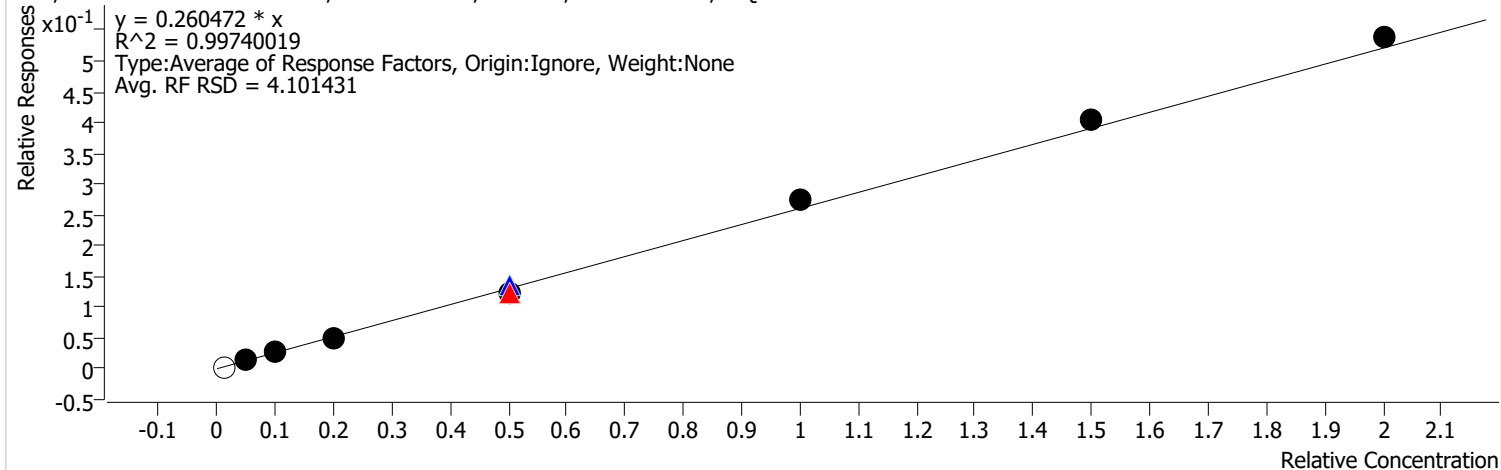
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2930   | 2.5000    | 0.3801       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 13676  | 12.5000   | 0.3578       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 29793  | 25.0000   | 0.3765       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 56189  | 50.0000   | 0.3611       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 150902 | 125.0000  | 0.3767       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 139656 | 125.0000  | 0.3392       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 139656 | 125.0000  | 0.3392       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 303307 | 250.0000  | 0.3627       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 446282 | 375.0000  | 0.3534       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 601823 | 500.0000  | 0.3576       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**cis-1,2-Dichloroethene %RSE = 4.1**

cis-1,2-Dichloroethene - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



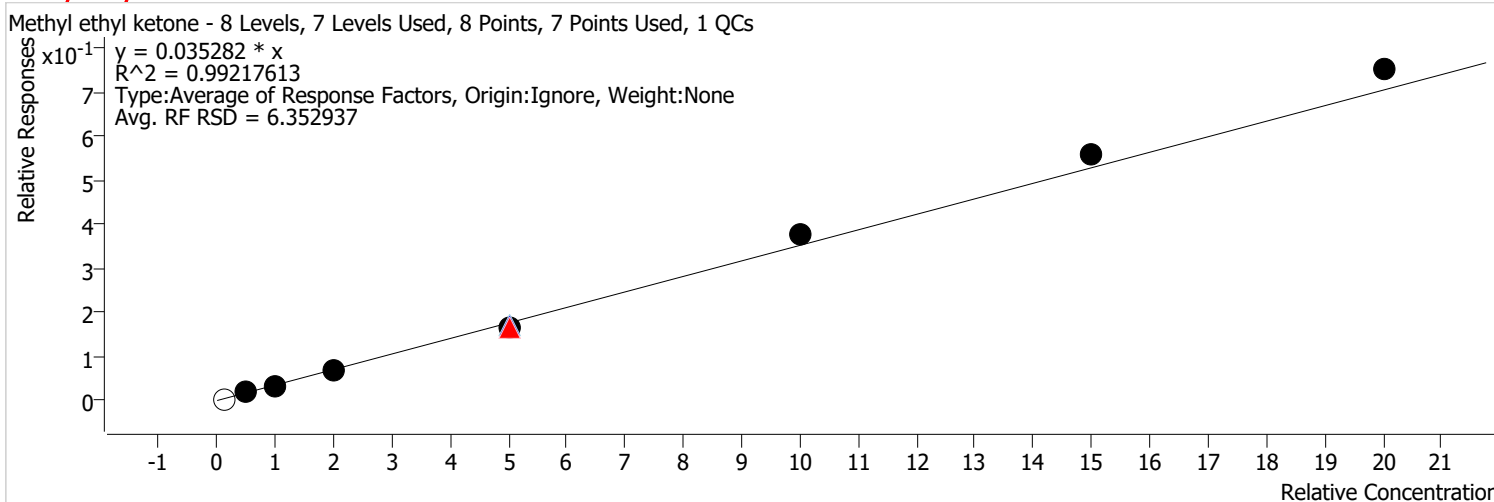
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2376   | 2.5000    | 0.3082       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 10008  | 12.5000   | 0.2618       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 20252  | 25.0000   | 0.2559       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 39251  | 50.0000   | 0.2522       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 108623 | 125.0000  | 0.2711       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 100057 | 125.0000  | 0.2430       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 100057 | 125.0000  | 0.2430       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 228170 | 250.0000  | 0.2728       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 339211 | 375.0000  | 0.2686       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 452377 | 500.0000  | 0.2688       |           |



# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Methyl ethyl ketone %RSE = 6.4**



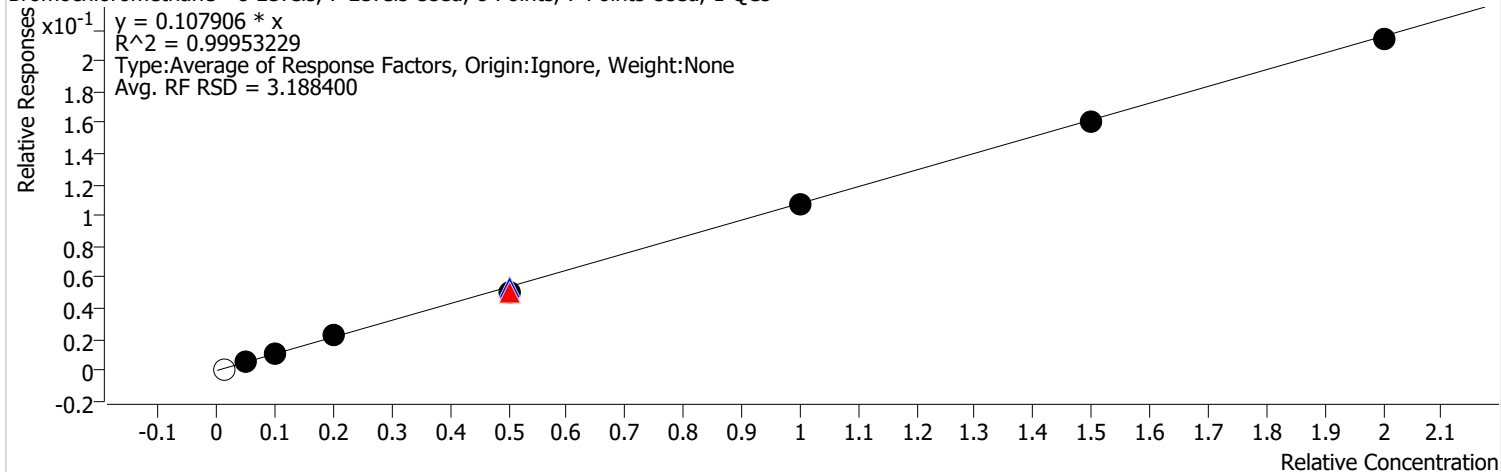
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 3035   | 25.0000   | 0.0394       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 13167  | 125.0000  | 0.0344       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 26248  | 250.0000  | 0.0332       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 52648  | 500.0000  | 0.0338       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 135511 | 1250.0000 | 0.0338       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 134730 | 1250.0000 | 0.0327       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 134730 | 1250.0000 | 0.0327       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 317271 | 2500.0000 | 0.0379       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 470653 | 3750.0000 | 0.0373       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 632539 | 5000.0000 | 0.0376       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Bromochloromethane %RSE = 3.2**

Bromochloromethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



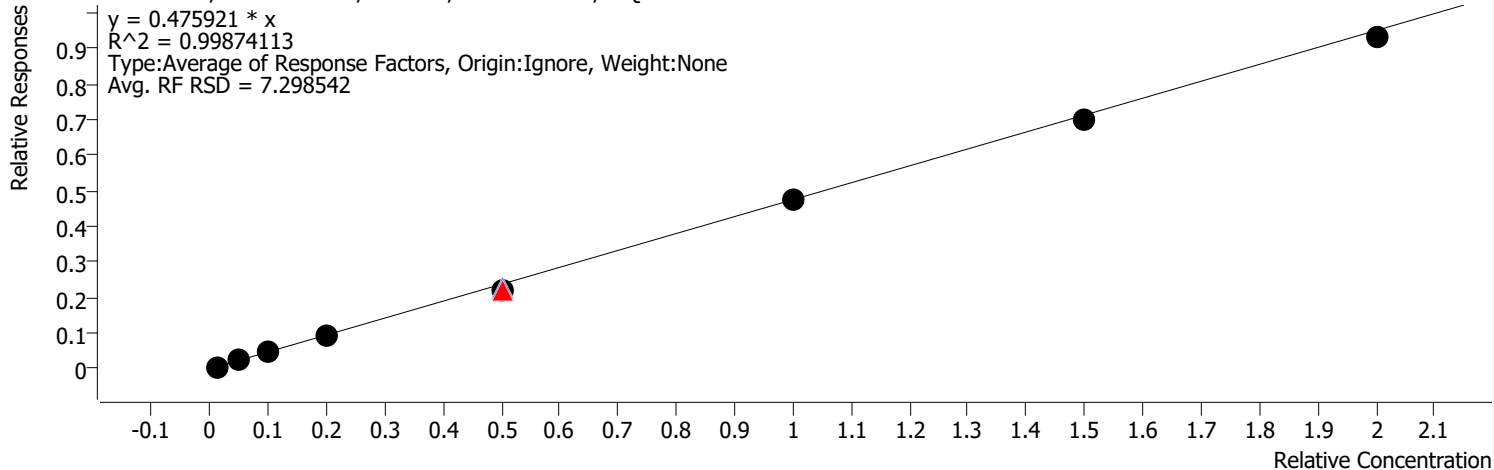
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 807    | 2.5000    | 0.1047       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 4275   | 12.5000   | 0.1118       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 8688   | 25.0000   | 0.1098       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 17338  | 50.0000   | 0.1114       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 42744  | 125.0000  | 0.1067       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 41966  | 125.0000  | 0.1019       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 41966  | 125.0000  | 0.1019       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 89178  | 250.0000  | 0.1066       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 135103 | 375.0000  | 0.1070       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 179618 | 500.0000  | 0.1067       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Chloroform %RSE = 7.3**

Chloroform - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 1 QCs

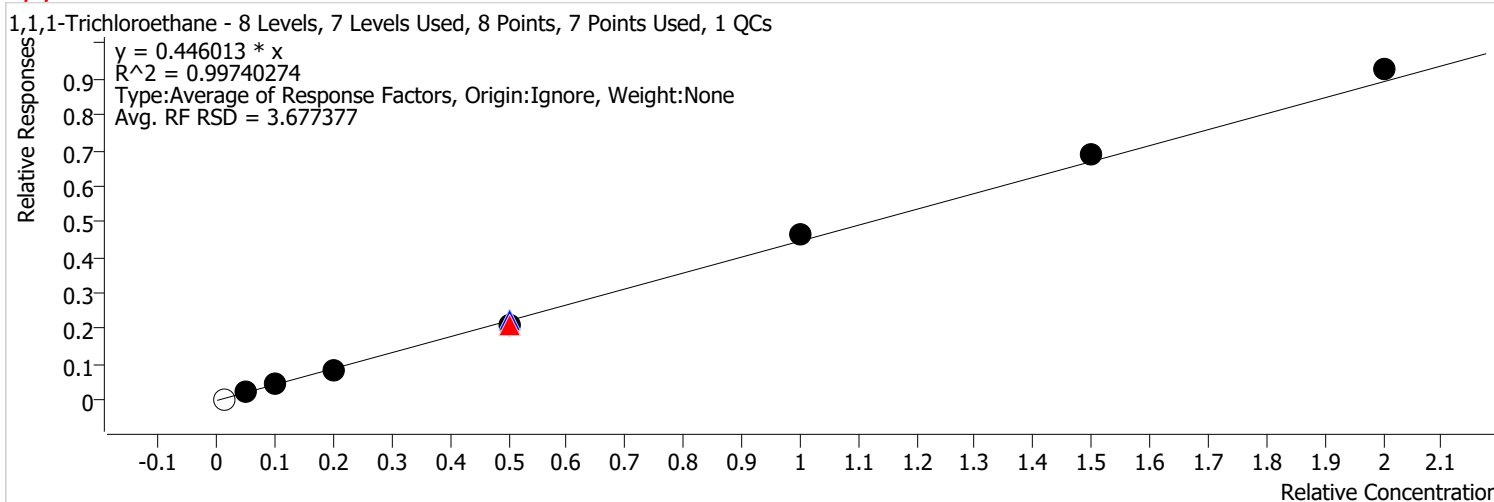


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 4248   | 2.5000    | 0.5510       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 19015  | 12.5000   | 0.4975       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 36413  | 25.0000   | 0.4602       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 71403  | 50.0000   | 0.4588       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 183676 | 125.0000  | 0.4585       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 179640 | 125.0000  | 0.4363       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 179640 | 125.0000  | 0.4363       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 394946 | 250.0000  | 0.4723       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 588080 | 375.0000  | 0.4657       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 783422 | 500.0000  | 0.4656       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,1,1-Trichloroethane %RSE = 3.7**



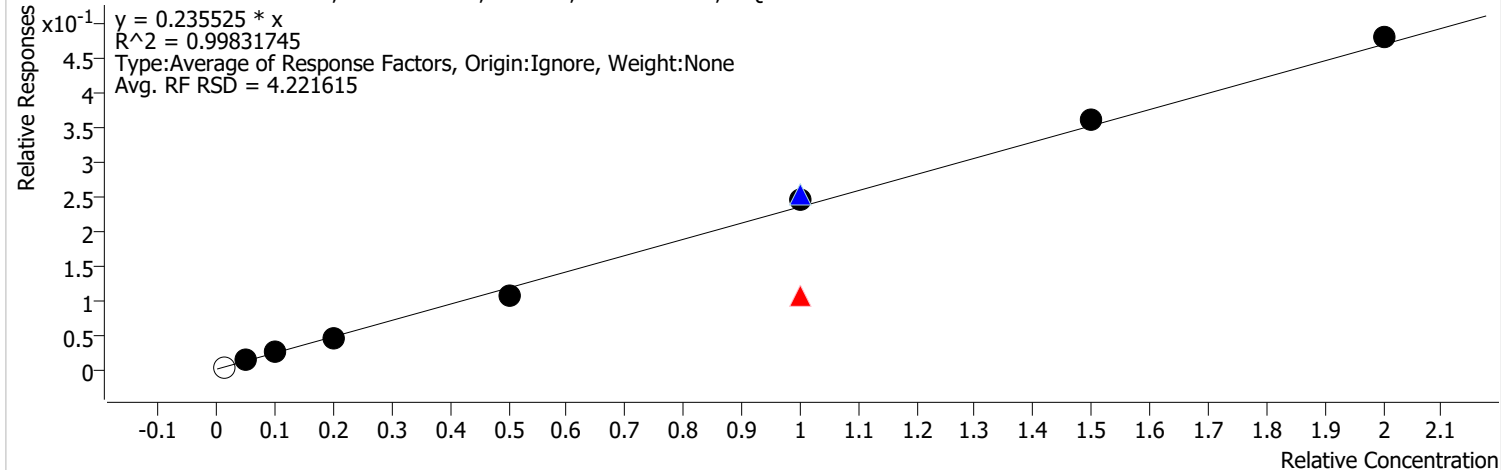
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 3510   | 2.5000    | 0.4553       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 16623  | 12.5000   | 0.4349       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 35547  | 25.0000   | 0.4492       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 67007  | 50.0000   | 0.4306       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 183324 | 125.0000  | 0.4576       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 174206 | 125.0000  | 0.4231       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 174206 | 125.0000  | 0.4231       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 386005 | 250.0000  | 0.4616       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 580748 | 375.0000  | 0.4599       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 778785 | 500.0000  | 0.4628       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Dibromofluoromethane %RSE =**

Dibromofluoromethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



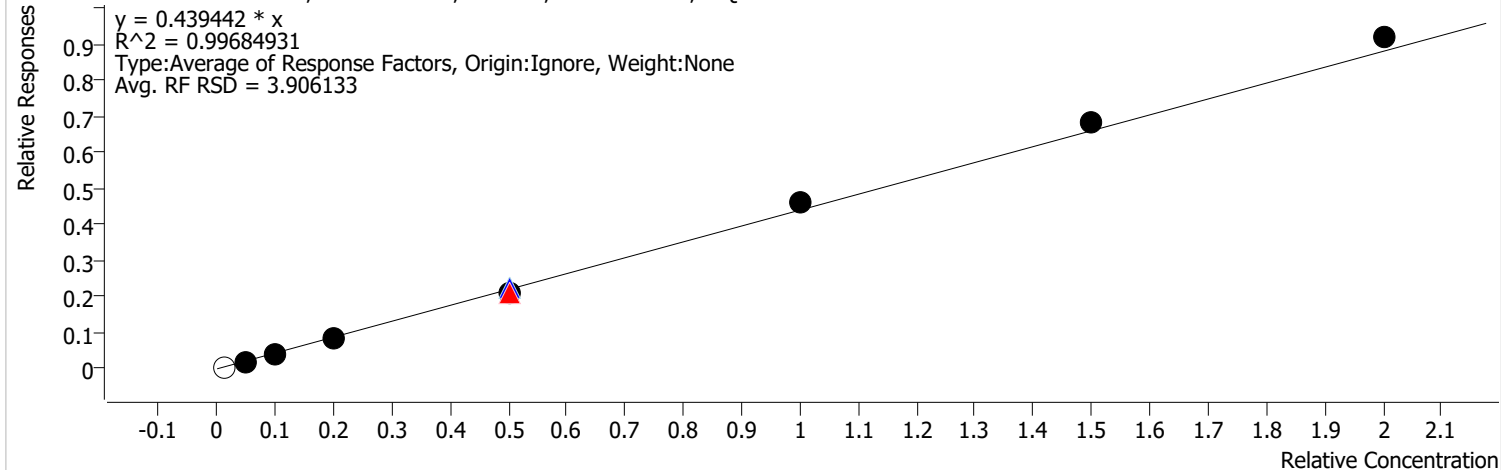
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2508   | 2.5000    | 0.3253       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 9074   | 12.5000   | 0.2374       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 19100  | 25.0000   | 0.2414       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 35309  | 50.0000   | 0.2269       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 89307  | 125.0000  | 0.2169       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 204707 | 250.0000  | 0.2555       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 204073 | 250.0000  | 0.2440       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 89307  | 250.0000  | 0.1084       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 305158 | 375.0000  | 0.2416       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 404568 | 500.0000  | 0.2404       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:43 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Carbon tetrachloride %RSE = 3.9**

Carbon tetrachloride - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs

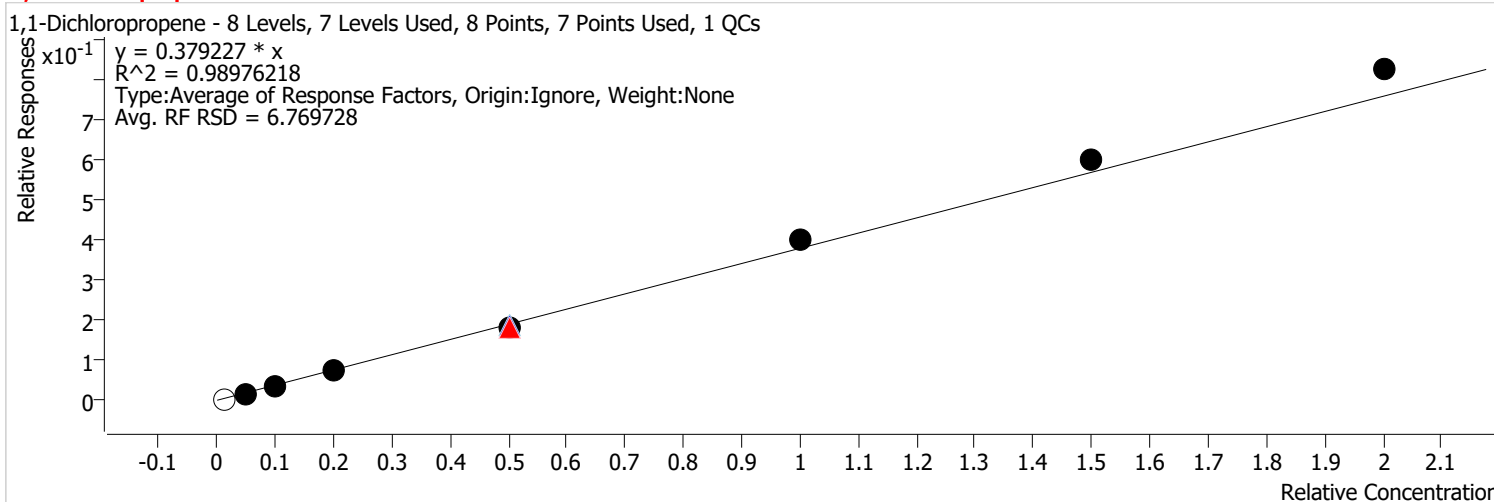


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 4342   | 2.5000    | 0.5632       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 16466  | 12.5000   | 0.4308       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 34462  | 25.0000   | 0.4355       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 65313  | 50.0000   | 0.4197       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 181384 | 125.0000  | 0.4528       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 172928 | 125.0000  | 0.4200       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 172928 | 125.0000  | 0.4200       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 383485 | 250.0000  | 0.4586       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 572545 | 375.0000  | 0.4534       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 770907 | 500.0000  | 0.4581       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,1-Dichloropropene %RSE = 6.8**

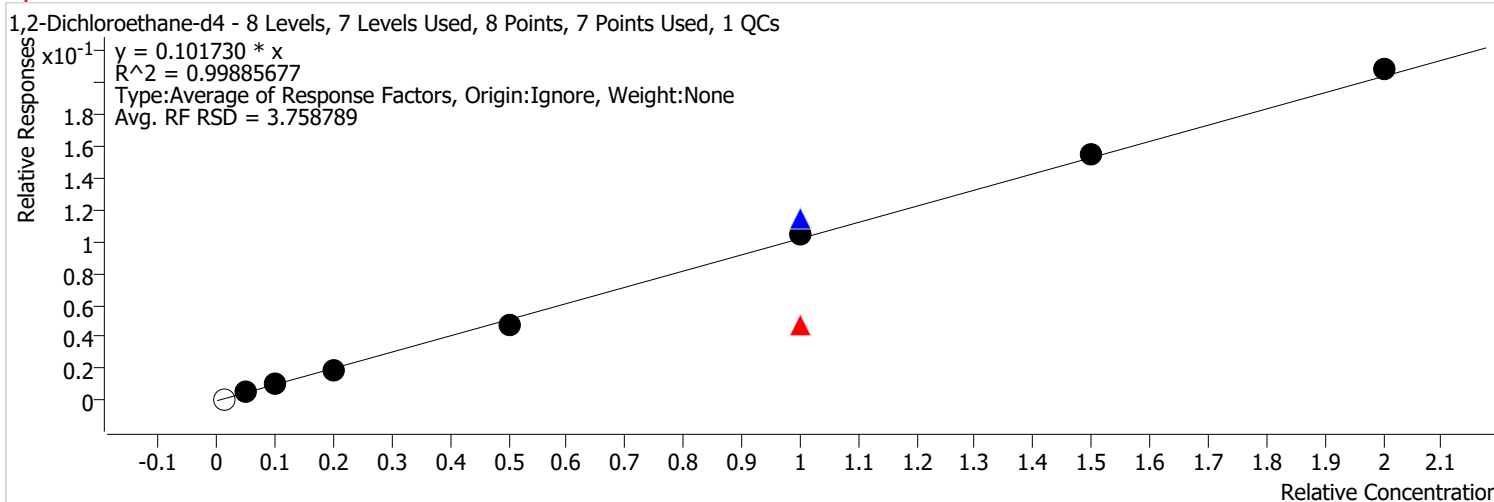


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2830   | 2.5000    | 0.3671       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 13149  | 12.5000   | 0.3440       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 29241  | 25.0000   | 0.3695       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 56376  | 50.0000   | 0.3623       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 150930 | 125.0000  | 0.3768       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 149649 | 125.0000  | 0.3635       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 149649 | 125.0000  | 0.3635       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 335741 | 250.0000  | 0.4015       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 507157 | 375.0000  | 0.4016       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 693669 | 500.0000  | 0.4122       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,2-Dichloroethane-d4 %RSE =**



| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 923    | 2.5000    | 0.1198       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 3938   | 12.5000   | 0.1030       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 8284   | 25.0000   | 0.1047       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 15238  | 50.0000   | 0.0979       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 39086  | 125.0000  | 0.0949       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 91382  | 250.0000  | 0.1141       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 87876  | 250.0000  | 0.1051       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 39086  | 250.0000  | 0.0475       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 129608 | 375.0000  | 0.1026       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 174713 | 500.0000  | 0.1038       |           |

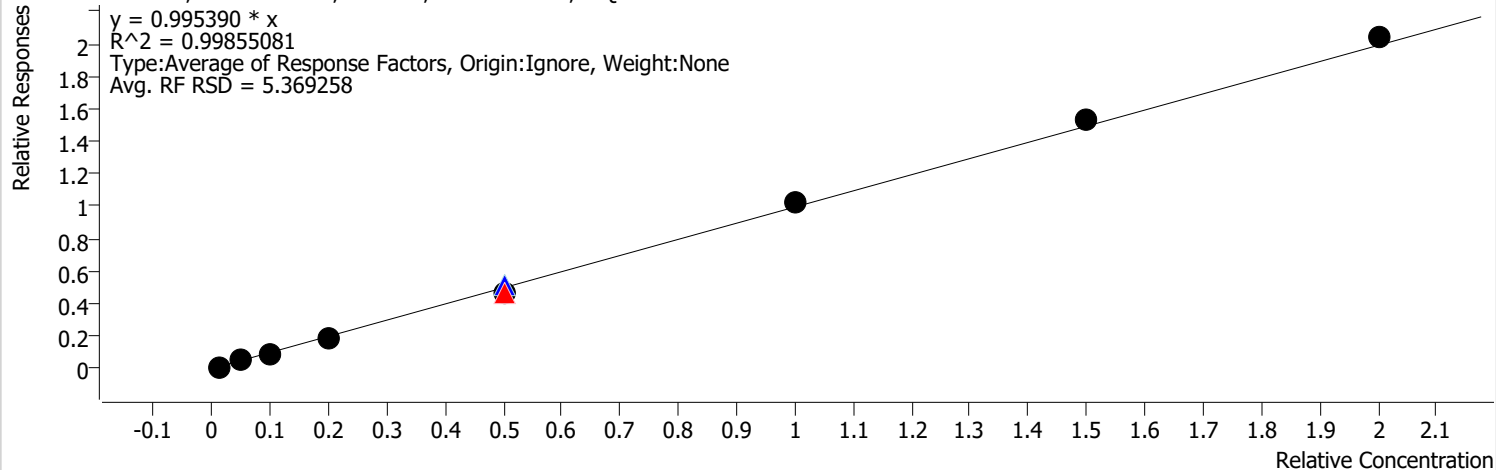


# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Benzene %RSE = 5.4**

Benzene - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 1 QCs

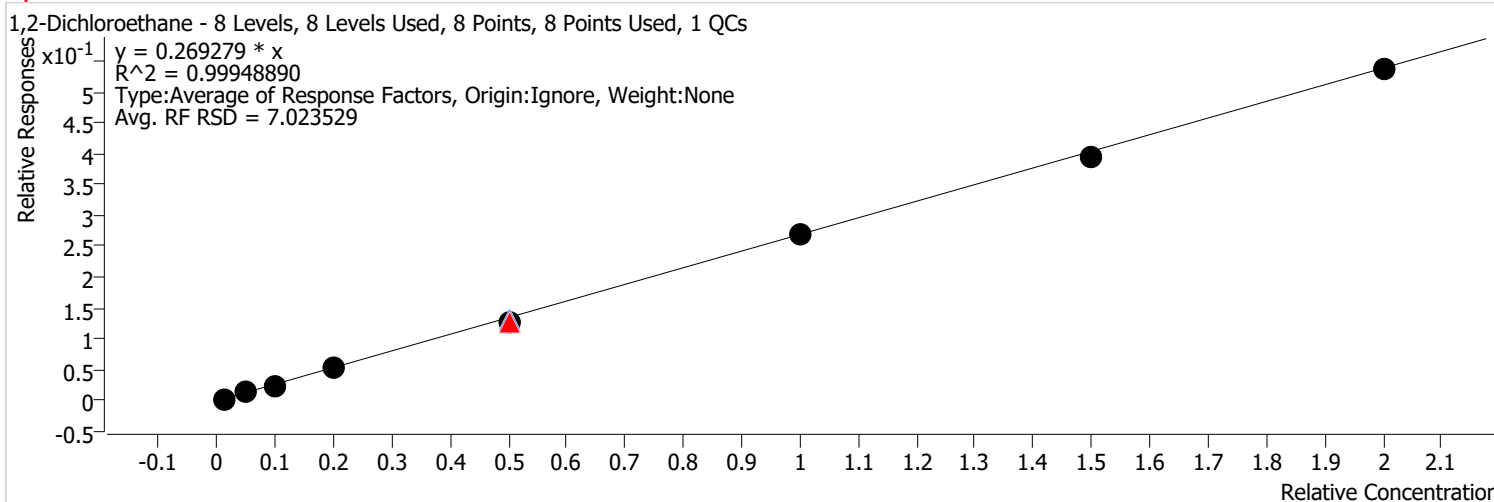


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.   | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|---------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 8408    | 2.5000    | 1.0907       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 37071   | 12.5000   | 0.9699       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 74956   | 25.0000   | 0.9473       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 148727  | 50.0000   | 0.9557       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 418900  | 125.0000  | 1.0457       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 383469  | 125.0000  | 0.9313       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 383469  | 125.0000  | 0.9313       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 857534  | 250.0000  | 1.0254       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 1293370 | 375.0000  | 1.0242       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 1714050 | 500.0000  | 1.0186       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,2-Dichloroethane %RSE = 7.0**

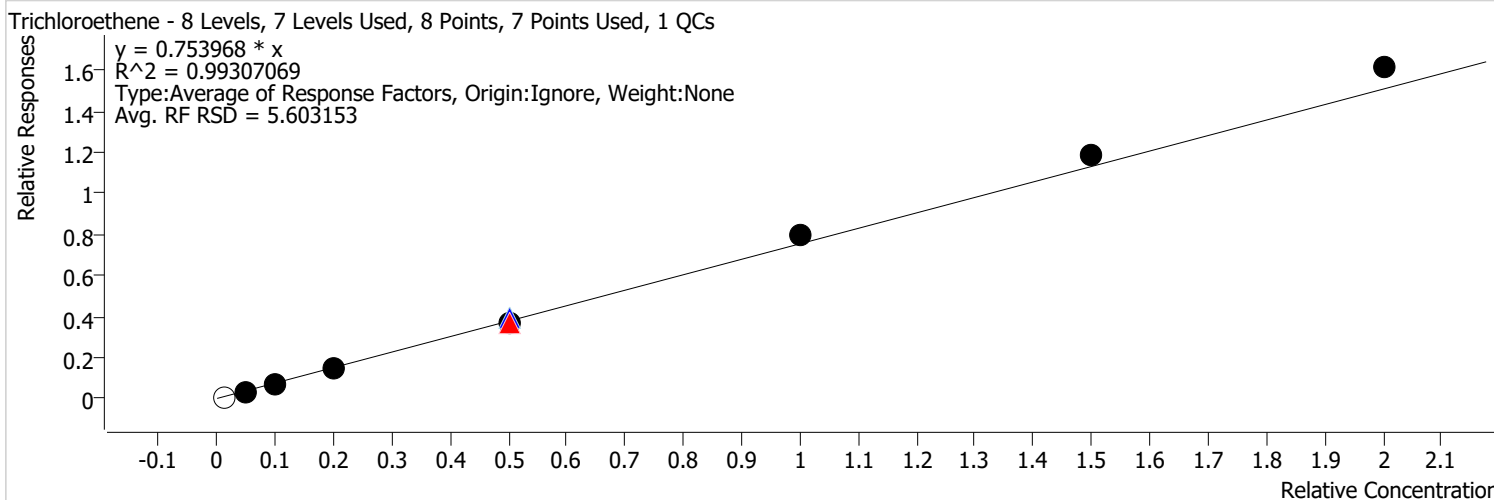


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 2415   | 2.5000    | 0.3133       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 10202  | 12.5000   | 0.2669       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 19996  | 25.0000   | 0.2527       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 41058  | 50.0000   | 0.2638       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 104249 | 125.0000  | 0.2602       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 104855 | 125.0000  | 0.2547       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 104855 | 125.0000  | 0.2547       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 226964 | 250.0000  | 0.2714       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 332775 | 375.0000  | 0.2635       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 450739 | 500.0000  | 0.2679       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Trichloroethene %RSE = 5.6**

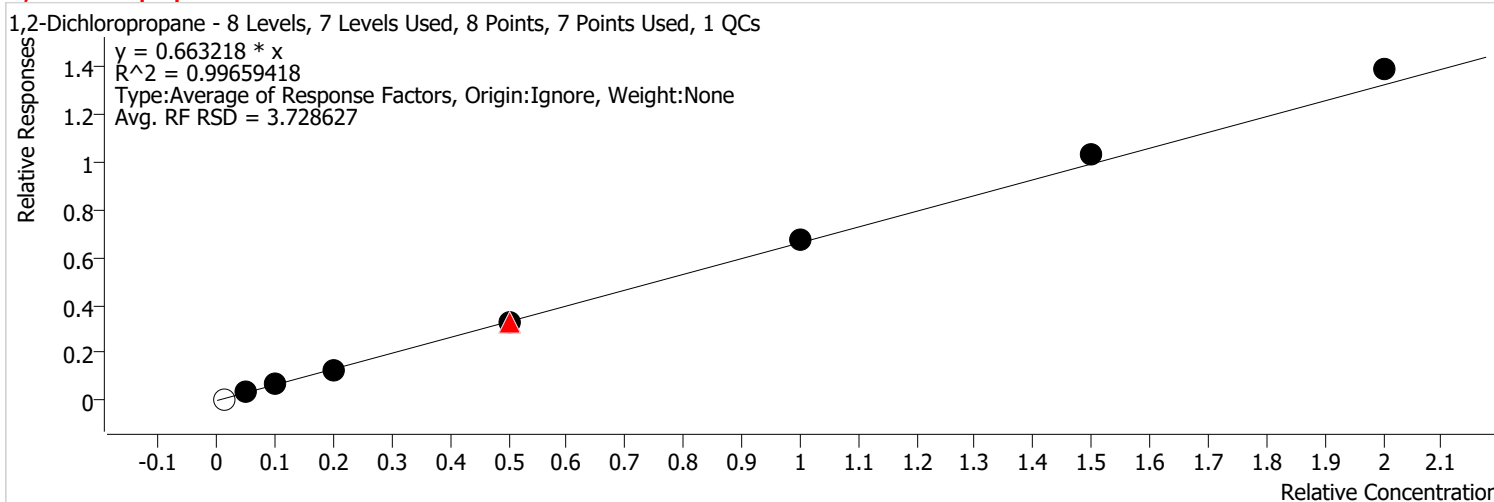


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2372   | 2.5000    | 0.8011       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 10442  | 12.5000   | 0.7042       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 21946  | 25.0000   | 0.7283       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 42682  | 50.0000   | 0.7105       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 121734 | 125.0000  | 0.7908       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 114123 | 125.0000  | 0.7447       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 114123 | 125.0000  | 0.7447       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 250285 | 250.0000  | 0.7910       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 374370 | 375.0000  | 0.7932       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 505400 | 500.0000  | 0.8058       |           |

# Calibration Report

|                     |   |                      |                |
|---------------------|---|----------------------|----------------|
| Batch Path          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | Analyst Name         | BL2000\mchavez |
| Analysis Time       | 2/28/2022 1:57 PM   | Reporter Name        | BL2000\mchavez |
| Report Time         | 2/28/2022 2:00:44 PM  | Batch State          | Processed      |
| Last Calib Update   | 1/9/2022 8:59 PM  | Quant Report Version | 10.0           |
| Quant Batch Version | 10.0  |                      |                |

**1,2-Dichloropropane %RSE = 3.7**

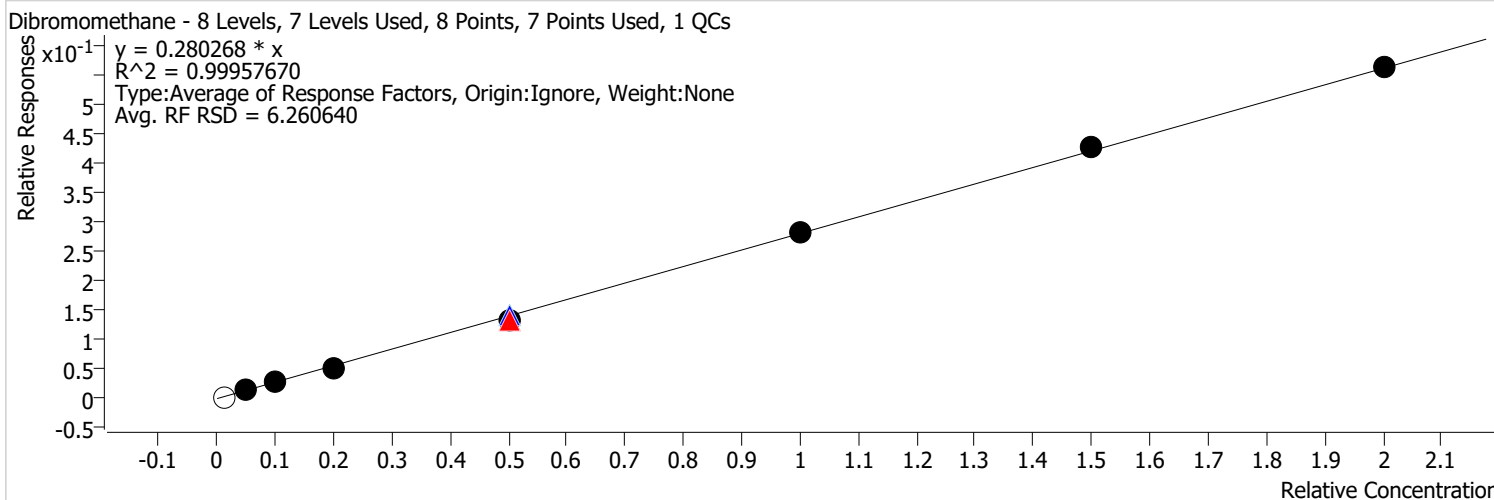


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2148   | 2.5000    | 0.7255       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 9488   | 12.5000   | 0.6399       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 20077  | 25.0000   | 0.6663       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 37870  | 50.0000   | 0.6304       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 102633 | 125.0000  | 0.6667       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 99187  | 125.0000  | 0.6472       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 99187  | 125.0000  | 0.6472       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 213800 | 250.0000  | 0.6757       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 324602 | 375.0000  | 0.6877       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 436057 | 500.0000  | 0.6953       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Dibromomethane %RSE = 6.3**



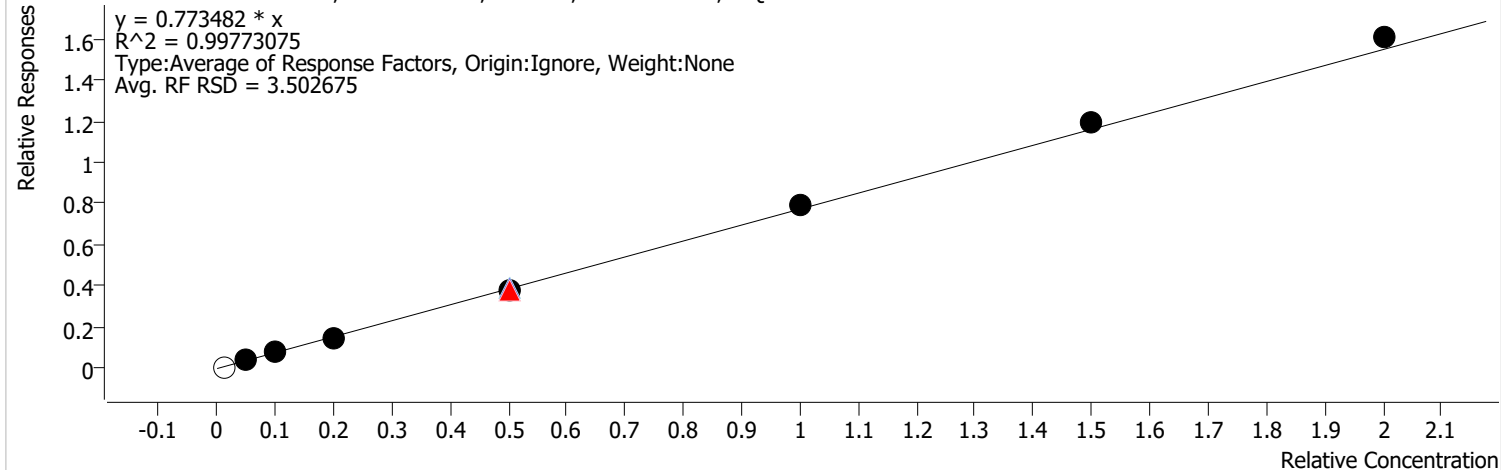
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 902    | 2.5000    | 0.3045       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 4675   | 12.5000   | 0.3153       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 8055   | 25.0000   | 0.2673       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 15989  | 50.0000   | 0.2662       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 43248  | 125.0000  | 0.2810       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 40628  | 125.0000  | 0.2651       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 40628  | 125.0000  | 0.2651       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 89483  | 250.0000  | 0.2828       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 134282 | 375.0000  | 0.2845       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 176038 | 500.0000  | 0.2807       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Bromodichloromethane %RSE = 3.5**

Bromodichloromethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



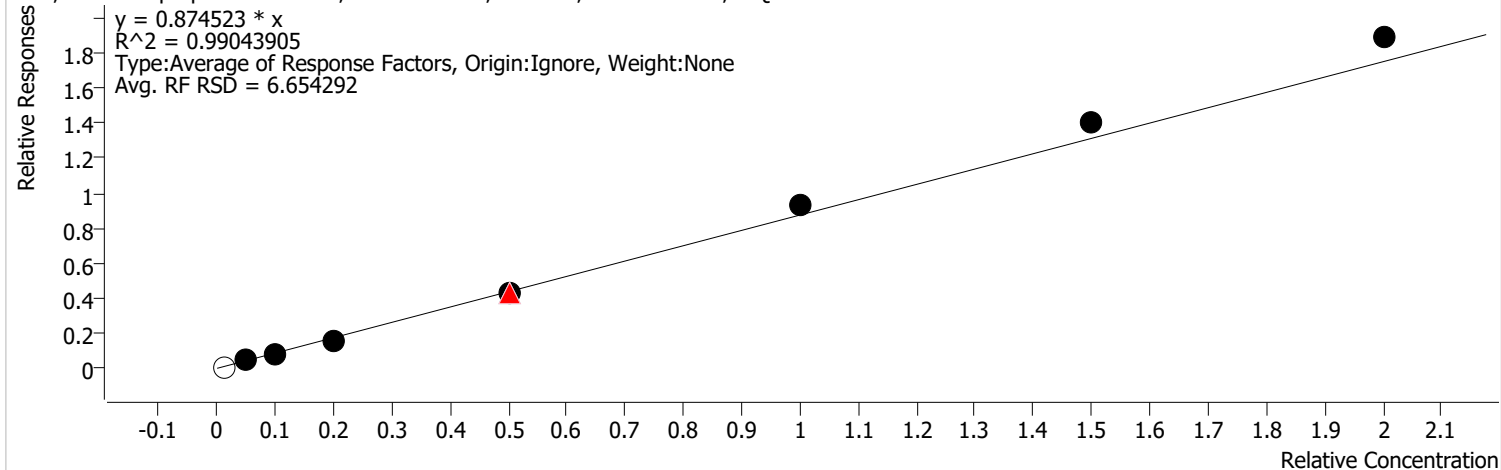
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2536   | 2.5000    | 0.8565       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 11562  | 12.5000   | 0.7798       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 22743  | 25.0000   | 0.7547       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 43900  | 50.0000   | 0.7308       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 122757 | 125.0000  | 0.7975       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 115664 | 125.0000  | 0.7548       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 115664 | 125.0000  | 0.7548       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 251805 | 250.0000  | 0.7958       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 375983 | 375.0000  | 0.7966       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 502929 | 500.0000  | 0.8019       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**cis-1,3-Dichloropropene %RSE = 6.7**

cis-1,3-Dichloropropene - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs

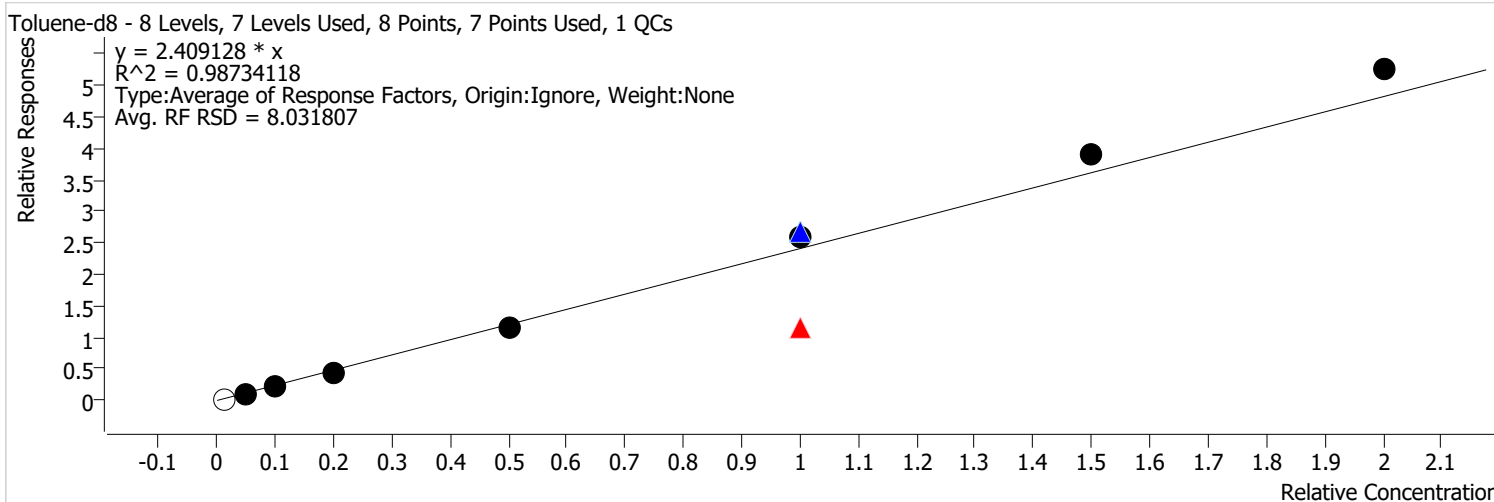


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2583   | 2.5000    | 0.8724       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 12525  | 12.5000   | 0.8447       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 24511  | 25.0000   | 0.8134       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 48886  | 50.0000   | 0.8138       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 130910 | 125.0000  | 0.8504       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 129419 | 125.0000  | 0.8445       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 129419 | 125.0000  | 0.8445       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 293617 | 250.0000  | 0.9280       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 441168 | 375.0000  | 0.9347       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 591147 | 500.0000  | 0.9426       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Toluene-d8 %RSE =**



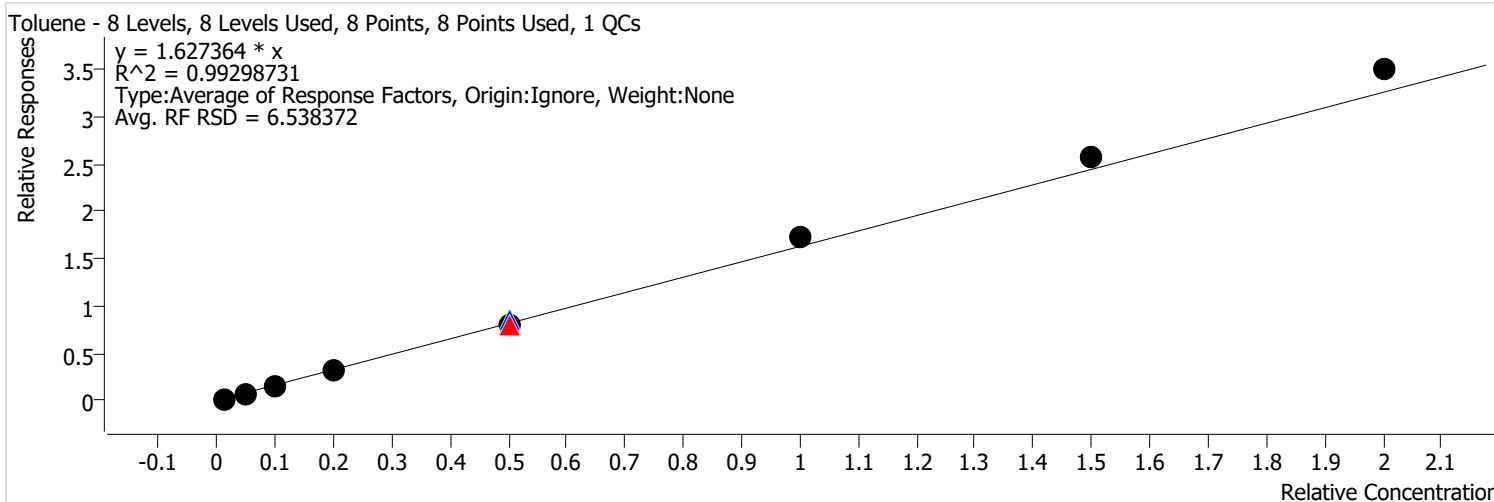
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.   | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|---------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 7777    | 2.5000    | 2.6266       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 32318   | 12.5000   | 2.1796       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 67673   | 25.0000   | 2.2458       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 136453  | 50.0000   | 2.2715       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 358186  | 125.0000  | 2.3373       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 821531  | 250.0000  | 2.6685       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 823306  | 250.0000  | 2.6021       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 358186  | 250.0000  | 1.1687       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 1229775 | 375.0000  | 2.6054       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 1644540 | 500.0000  | 2.6222       |           |



# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Toluene %RSE = 6.5**

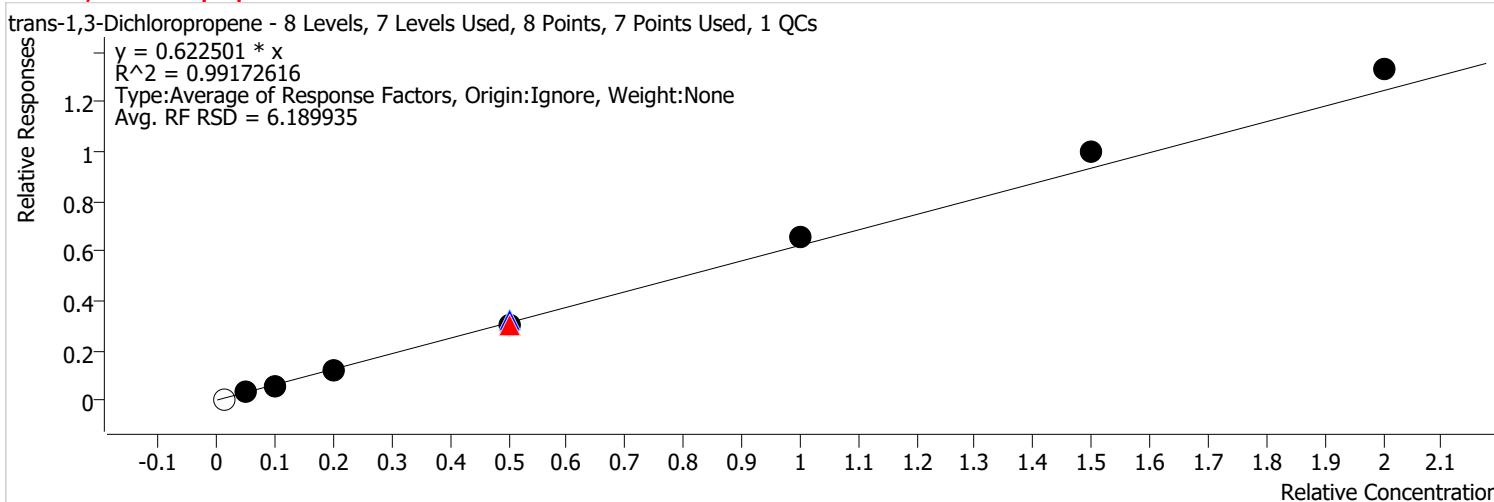


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.   | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|---------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 5039    | 2.5000    | 1.7019       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 21794   | 12.5000   | 1.4698       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 46355   | 25.0000   | 1.5383       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 91915   | 50.0000   | 1.5301       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 264584  | 125.0000  | 1.7188       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 244712  | 125.0000  | 1.5969       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 244712  | 125.0000  | 1.5969       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 541945  | 250.0000  | 1.7129       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 813204  | 375.0000  | 1.7229       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 1095161 | 500.0000  | 1.7462       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**trans-1,3-Dichloropropene %RSE = 6.2**

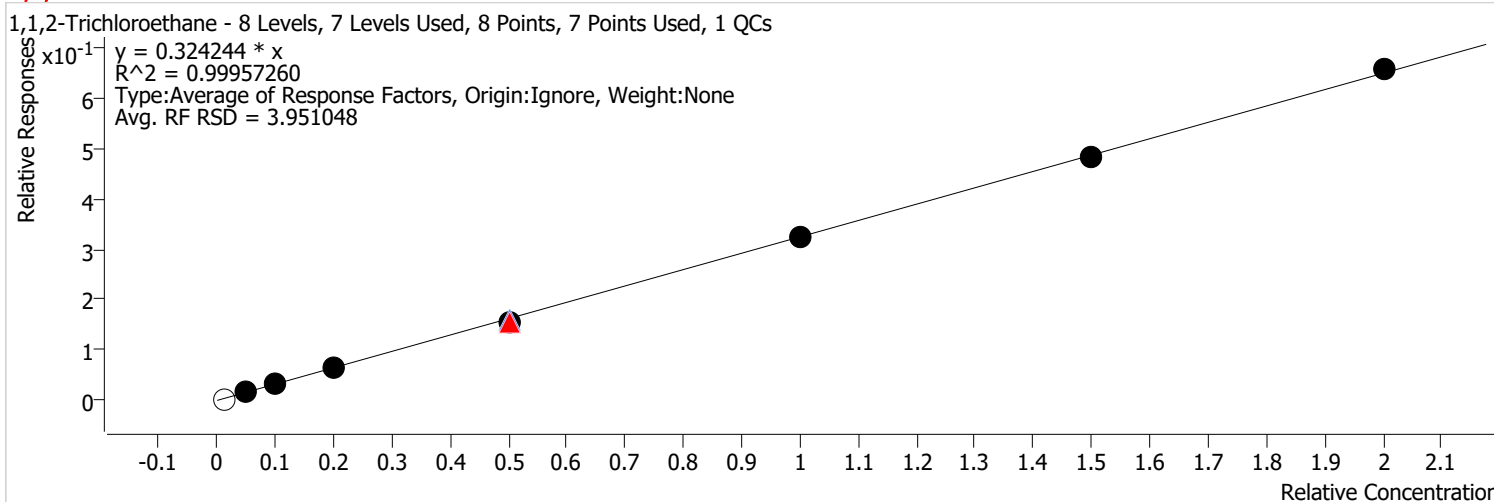


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 1470   | 2.5000    | 0.4966       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 8683   | 12.5000   | 0.5856       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 17850  | 25.0000   | 0.5924       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 35179  | 50.0000   | 0.5856       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 98907  | 125.0000  | 0.6425       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 92719  | 125.0000  | 0.6050       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 92719  | 125.0000  | 0.6050       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 207833 | 250.0000  | 0.6569       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 315063 | 375.0000  | 0.6675       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 416771 | 500.0000  | 0.6645       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,1,2-Trichloroethane %RSE = 4.0**

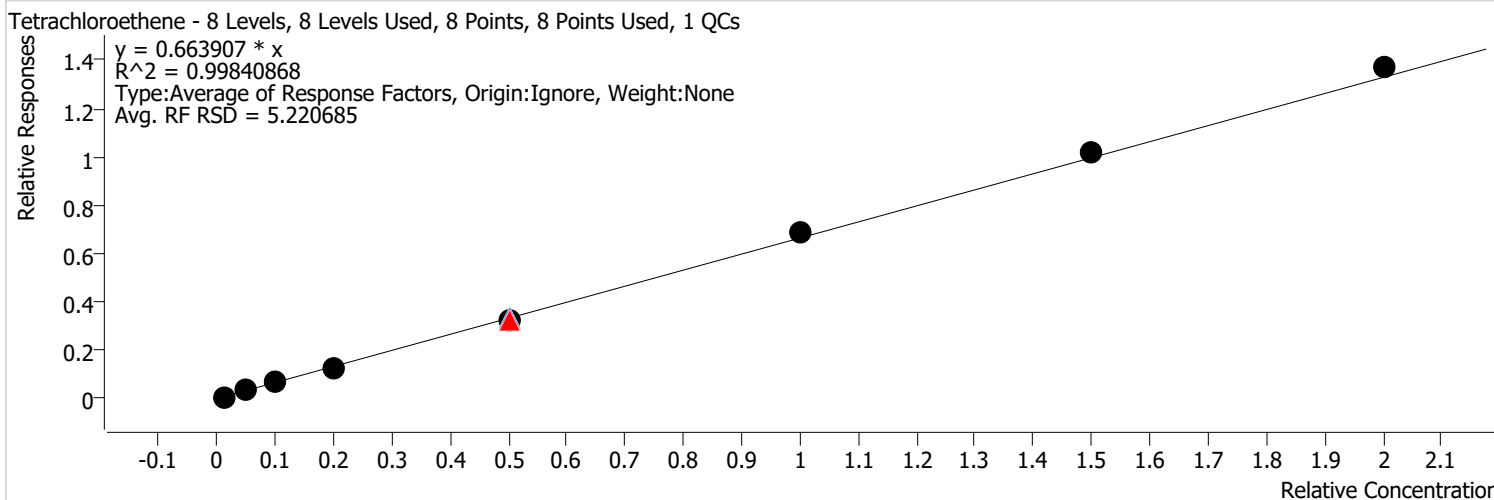


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 960    | 2.5000    | 0.3244       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 5090   | 12.5000   | 0.3433       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 10099  | 25.0000   | 0.3351       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 18884  | 50.0000   | 0.3144       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 49128  | 125.0000  | 0.3191       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 46673  | 125.0000  | 0.3046       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 46673  | 125.0000  | 0.3046       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 101888 | 250.0000  | 0.3220       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 152331 | 375.0000  | 0.3227       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 205463 | 500.0000  | 0.3276       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Tetrachloroethene %RSE = 5.2**

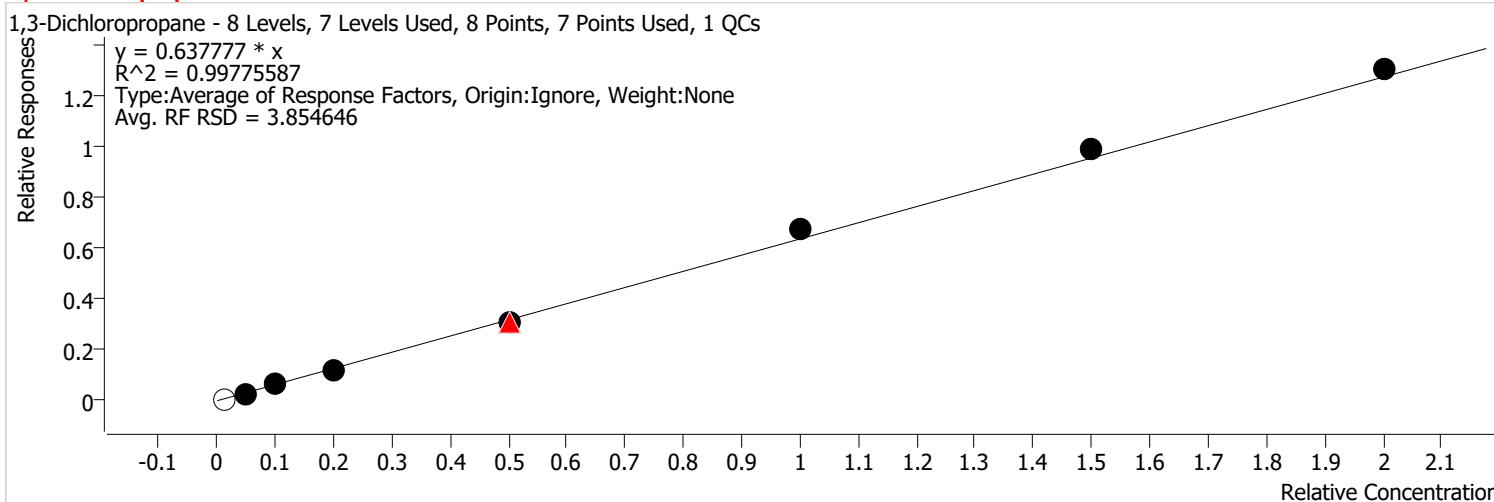


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 2105   | 2.5000    | 0.7110       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 9238   | 12.5000   | 0.6230       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 20322  | 25.0000   | 0.6744       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 36925  | 50.0000   | 0.6147       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 103027 | 125.0000  | 0.6693       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 97590  | 125.0000  | 0.6368       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 97590  | 125.0000  | 0.6368       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 218245 | 250.0000  | 0.6898       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 319950 | 375.0000  | 0.6779       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 428812 | 500.0000  | 0.6837       |           |

# Calibration Report

|                     |   |                      |                |
|---------------------|---|----------------------|----------------|
| Batch Path          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | Analyst Name         | BL2000\mchavez |
| Analysis Time       | 2/28/2022 1:57 PM   | Reporter Name        | BL2000\mchavez |
| Report Time         | 2/28/2022 2:00:44 PM  | Batch State          | Processed      |
| Last Calib Update   | 1/9/2022 8:59 PM  | Quant Report Version | 10.0           |
| Quant Batch Version | 10.0  |                      |                |

**1,3-Dichloropropane %RSE = 3.9**



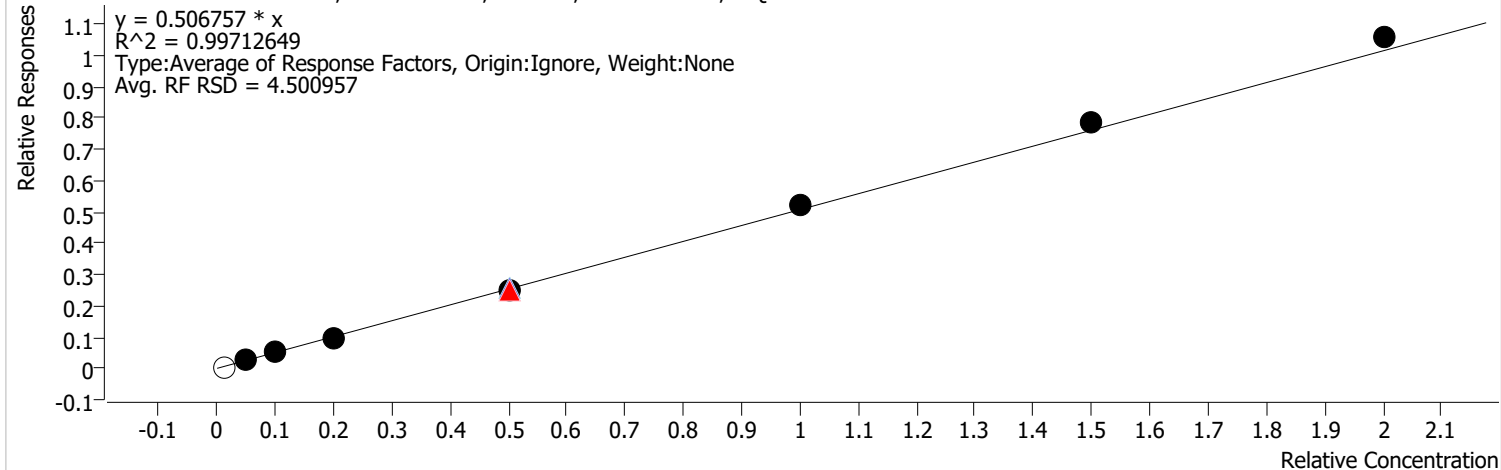
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2257   | 2.5000    | 0.7623       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 8967   | 12.5000   | 0.6047       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 18745  | 25.0000   | 0.6221       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 37457  | 50.0000   | 0.6235       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 95697  | 125.0000  | 0.6217       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 96183  | 125.0000  | 0.6276       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 96183  | 125.0000  | 0.6276       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 212669 | 250.0000  | 0.6722       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 312547 | 375.0000  | 0.6622       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 408993 | 500.0000  | 0.6521       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Chlorodibromomethane %RSE = 4.5**

Chlorodibromomethane - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs

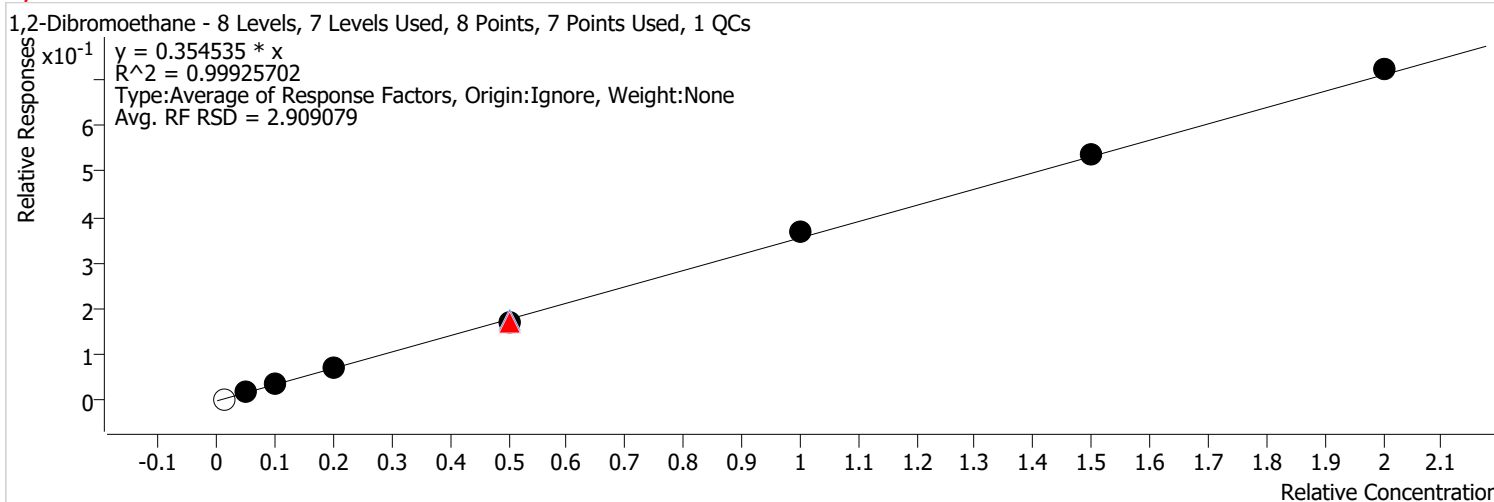


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 1468   | 2.5000    | 0.4958       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 7718   | 12.5000   | 0.5205       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 14873  | 25.0000   | 0.4936       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 28153  | 50.0000   | 0.4687       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 78076  | 125.0000  | 0.5072       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 75015  | 125.0000  | 0.4895       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 75015  | 125.0000  | 0.4895       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 165695 | 250.0000  | 0.5237       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 247279 | 375.0000  | 0.5239       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 330813 | 500.0000  | 0.5275       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,2-Dibromoethane %RSE = 2.9**



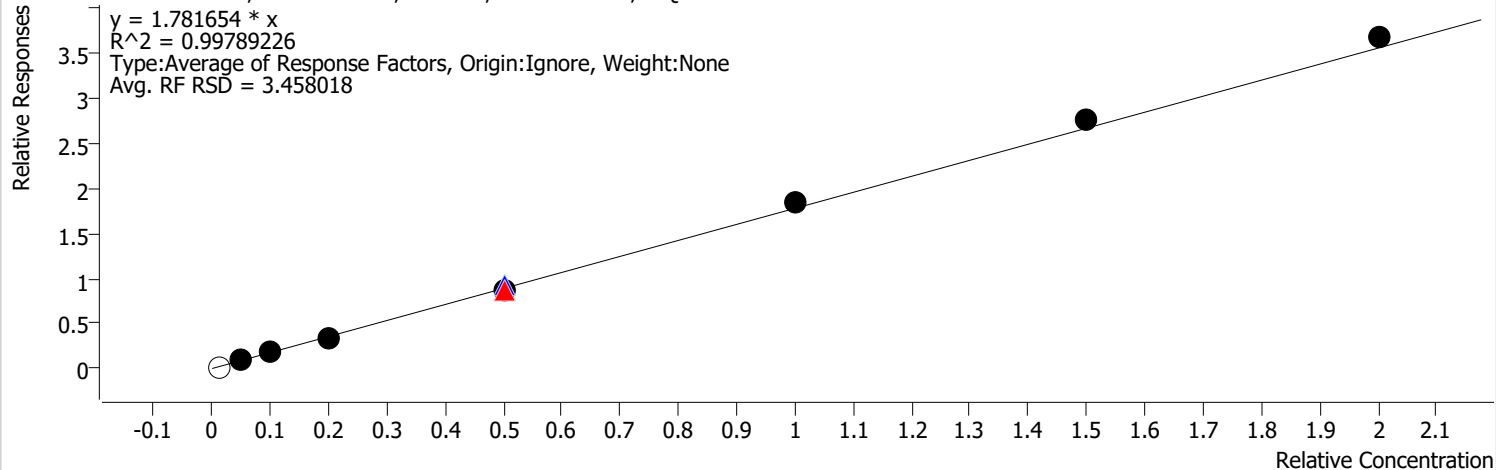
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 1299   | 2.5000    | 0.4388       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 5410   | 12.5000   | 0.3649       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 10410  | 25.0000   | 0.3455       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 21037  | 50.0000   | 0.3502       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 54259  | 125.0000  | 0.3525       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 51827  | 125.0000  | 0.3382       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 51827  | 125.0000  | 0.3382       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 115714 | 250.0000  | 0.3657       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 168577 | 375.0000  | 0.3572       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 225877 | 500.0000  | 0.3602       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Chlorobenzene %RSE = 3.5**

Chlorobenzene - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



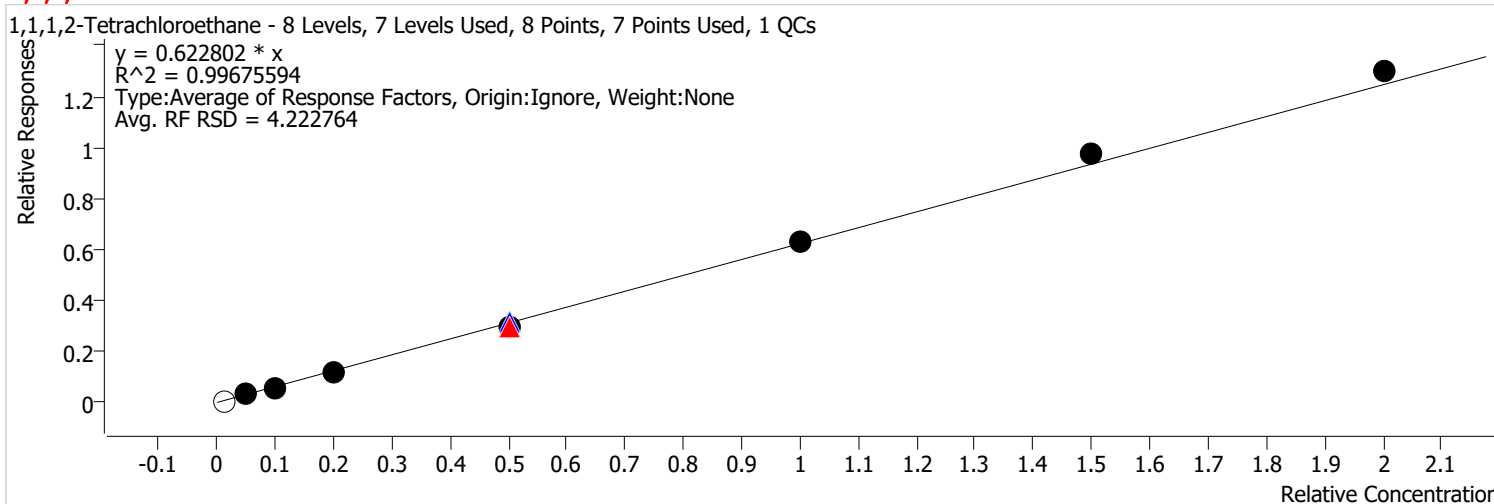
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.   | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|---------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 5771    | 2.5000    | 1.9491       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 26461   | 12.5000   | 1.7846       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 53047   | 25.0000   | 1.7604       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 101452  | 50.0000   | 1.6889       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 288815  | 125.0000  | 1.8762       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 263617  | 125.0000  | 1.7202       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 263617  | 125.0000  | 1.7202       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 582326  | 250.0000  | 1.8405       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 867732  | 375.0000  | 1.8384       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 1153147 | 500.0000  | 1.8387       |           |



# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:44 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,1,1,2-Tetrachloroethane %RSE = 4.2**



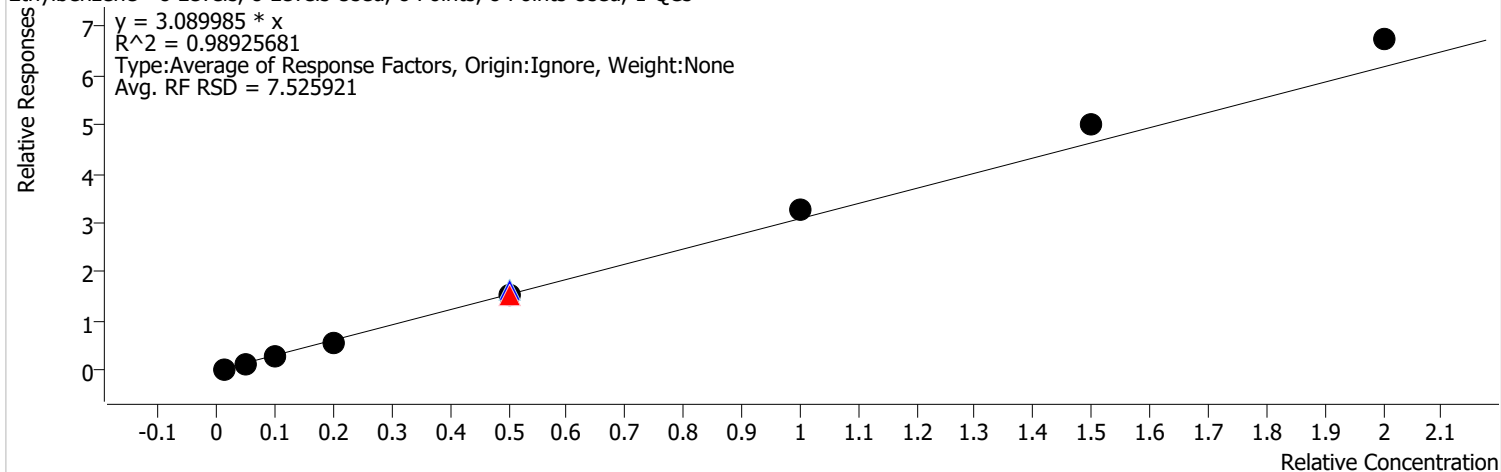
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 1893   | 2.5000    | 0.6392       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 9473   | 12.5000   | 0.6389       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 18130  | 25.0000   | 0.6016       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 35544  | 50.0000   | 0.5917       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 97148  | 125.0000  | 0.6311       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 90898  | 125.0000  | 0.5932       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 90898  | 125.0000  | 0.5932       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 200859 | 250.0000  | 0.6348       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 307436 | 375.0000  | 0.6513       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 406450 | 500.0000  | 0.6481       |           |

# Calibration Report

|                     |   |                      |                |
|---------------------|---|----------------------|----------------|
| Batch Path          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | Analyst Name         | BL2000\mchavez |
| Analysis Time       | 2/28/2022 1:57 PM   | Reporter Name        | BL2000\mchavez |
| Report Time         | 2/28/2022 2:00:45 PM  | Batch State          | Processed      |
| Last Calib Update   | 1/9/2022 8:59 PM  | Quant Report Version | 10.0           |
| Quant Batch Version | 10.0  |                      |                |

**Ethylbenzene %RSE = 7.5**

Ethylbenzene - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 1 QCs

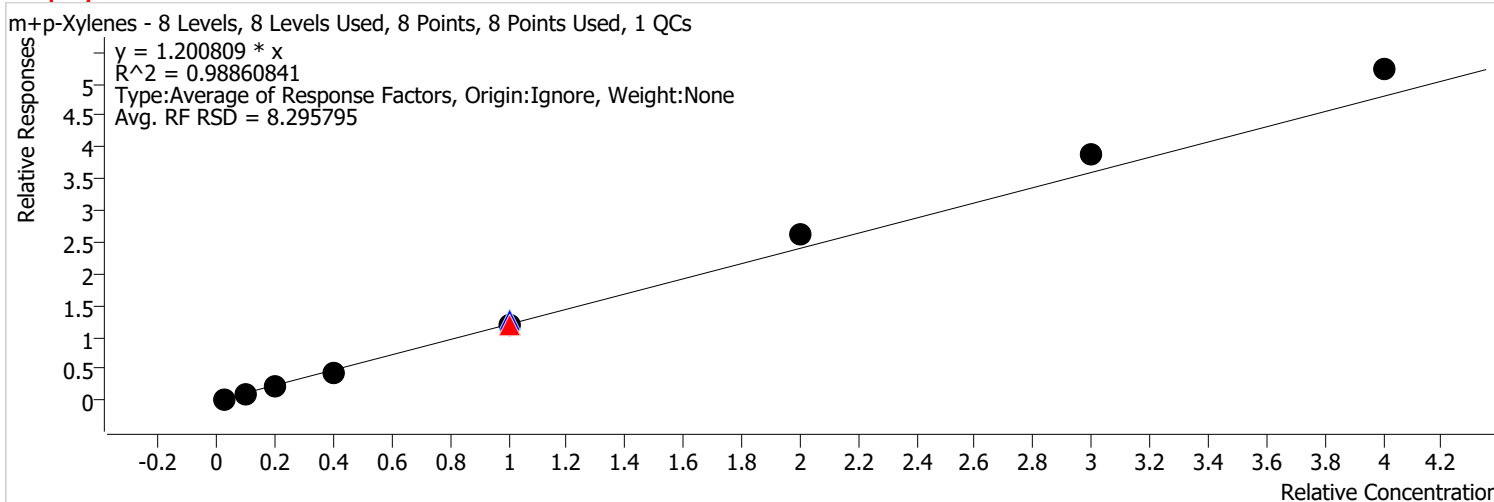


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.   | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|---------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 9283    | 2.5000    | 3.1353       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 40470   | 12.5000   | 2.7294       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 88428   | 25.0000   | 2.9345       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 173769  | 50.0000   | 2.8927       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 501953  | 125.0000  | 3.2608       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 464148  | 125.0000  | 3.0288       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 464148  | 125.0000  | 3.0288       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 1043443 | 250.0000  | 3.2979       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 1574219 | 375.0000  | 3.3352       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 2111152 | 500.0000  | 3.3662       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**m+p-Xylenes %RSE = 8.3**



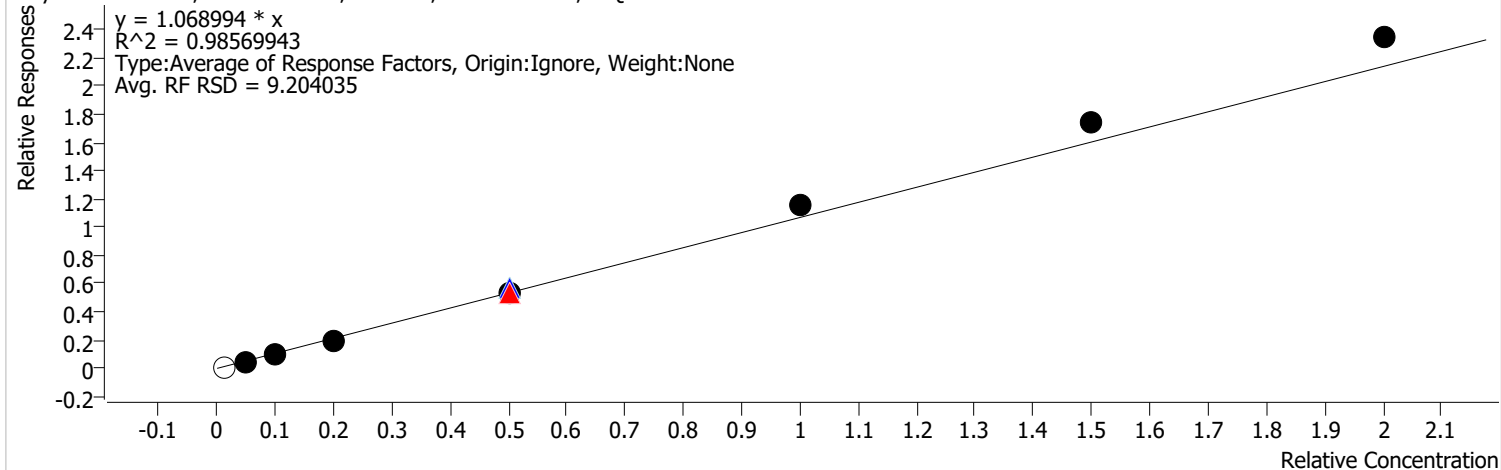
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.   | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|---------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 7212    | 5.0000    | 1.2179       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 31538   | 25.0000   | 1.0635       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 66267   | 50.0000   | 1.0995       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 133498  | 100.0000  | 1.1112       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 388558  | 250.0000  | 1.2621       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 368418  | 250.0000  | 1.2021       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 368418  | 250.0000  | 1.2021       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 825866  | 500.0000  | 1.3051       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 1228570 | 750.0000  | 1.3014       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 1637879 | 1000.0000 | 1.3058       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**o-Xylene %RSE = 9.2**

o-Xylene - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs



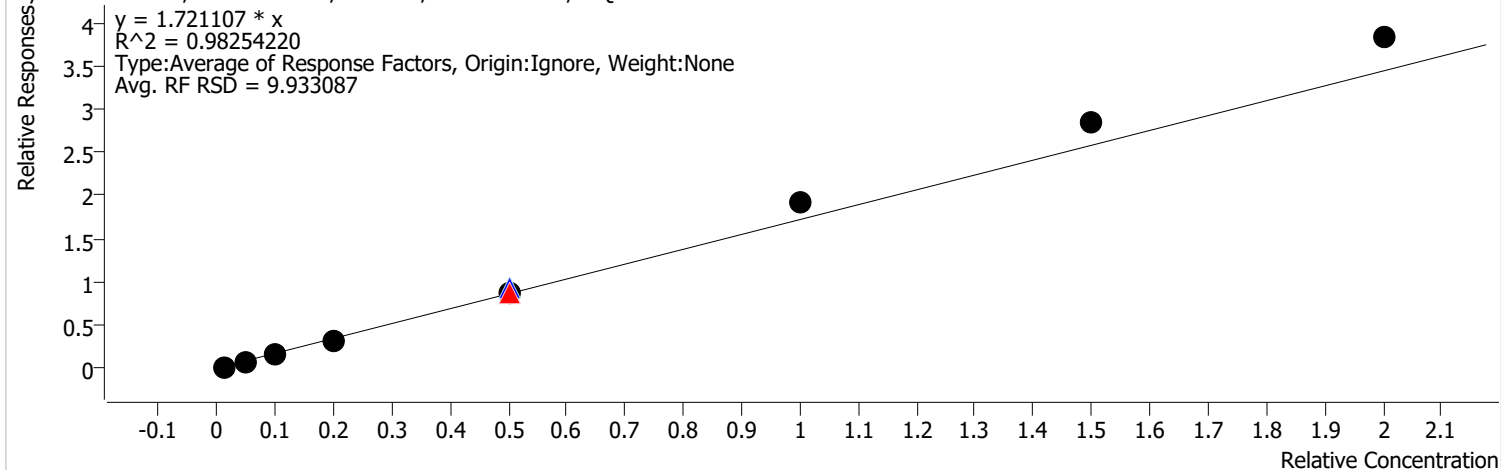
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 3330   | 2.5000    | 1.1247       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 13519  | 12.5000   | 0.9117       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 30463  | 25.0000   | 1.0109       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 61016  | 50.0000   | 1.0157       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 174061 | 125.0000  | 1.1308       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 161509 | 125.0000  | 1.0539       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 161509 | 125.0000  | 1.0539       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 365914 | 250.0000  | 1.1565       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 549244 | 375.0000  | 1.1636       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 734101 | 500.0000  | 1.1705       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Styrene %RSE = 9.9**

Styrene - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 1 QCs



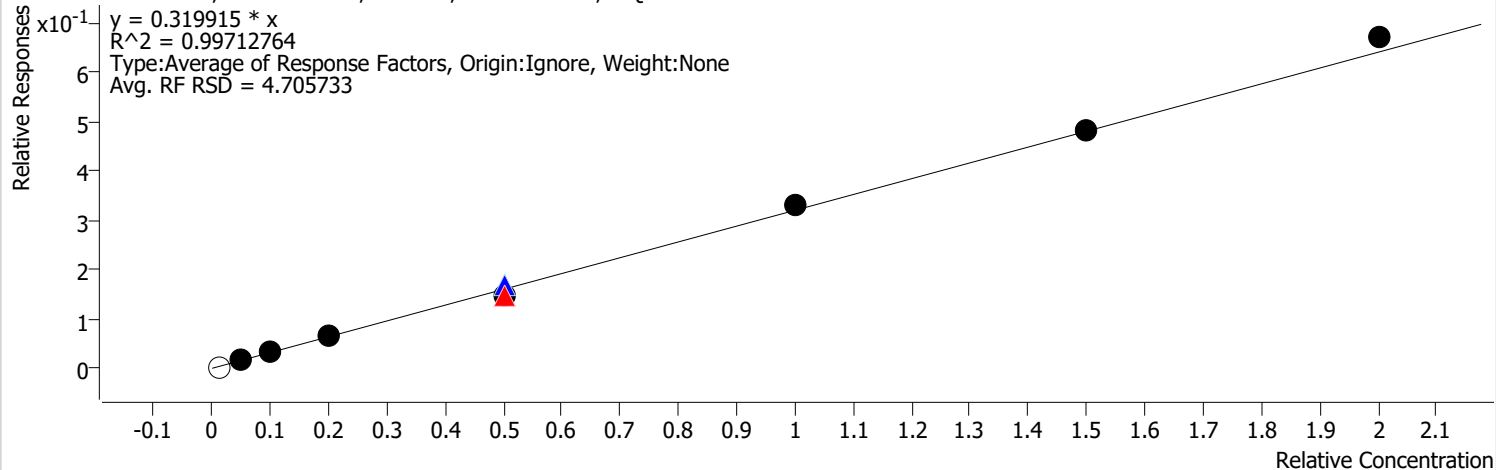
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.   | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|---------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 4408    | 2.5000    | 1.4888       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 23472   | 12.5000   | 1.5830       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 48569   | 25.0000   | 1.6118       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 96576   | 50.0000   | 1.6077       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 291425  | 125.0000  | 1.8932       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 268375  | 125.0000  | 1.7513       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 268375  | 125.0000  | 1.7513       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 605646  | 250.0000  | 1.9142       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 896331  | 375.0000  | 1.8990       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 1199879 | 500.0000  | 1.9132       |           |

# Calibration Report

|                     |   |                      |                |
|---------------------|---|----------------------|----------------|
| Batch Path          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | Analyst Name         | BL2000\mchavez |
| Analysis Time       | 2/28/2022 1:57 PM   | Reporter Name        | BL2000\mchavez |
| Report Time         | 2/28/2022 2:00:45 PM  | Batch State          | Processed      |
| Last Calib Update   | 1/9/2022 8:59 PM  | Quant Report Version | 10.0           |
| Quant Batch Version | 10.0  |                      |                |

**Bromoform %RSE = 4.7**

Bromoform - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs

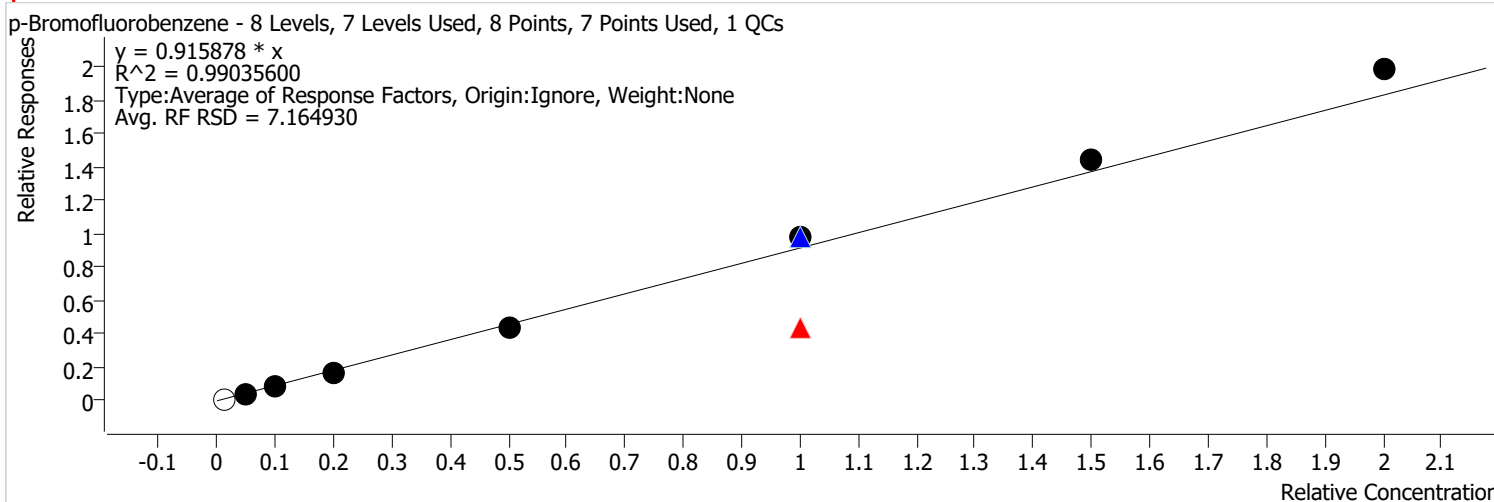


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 708    | 2.5000    | 0.3108       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 3652   | 12.5000   | 0.3016       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 7972   | 25.0000   | 0.3317       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 16073  | 50.0000   | 0.3232       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 42560  | 125.0000  | 0.3326       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 39165  | 125.0000  | 0.2962       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 39165  | 125.0000  | 0.2962       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 87836  | 250.0000  | 0.3295       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 129038 | 375.0000  | 0.3227       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 175918 | 500.0000  | 0.3345       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**p-Bromofluorobenzene %RSE =**

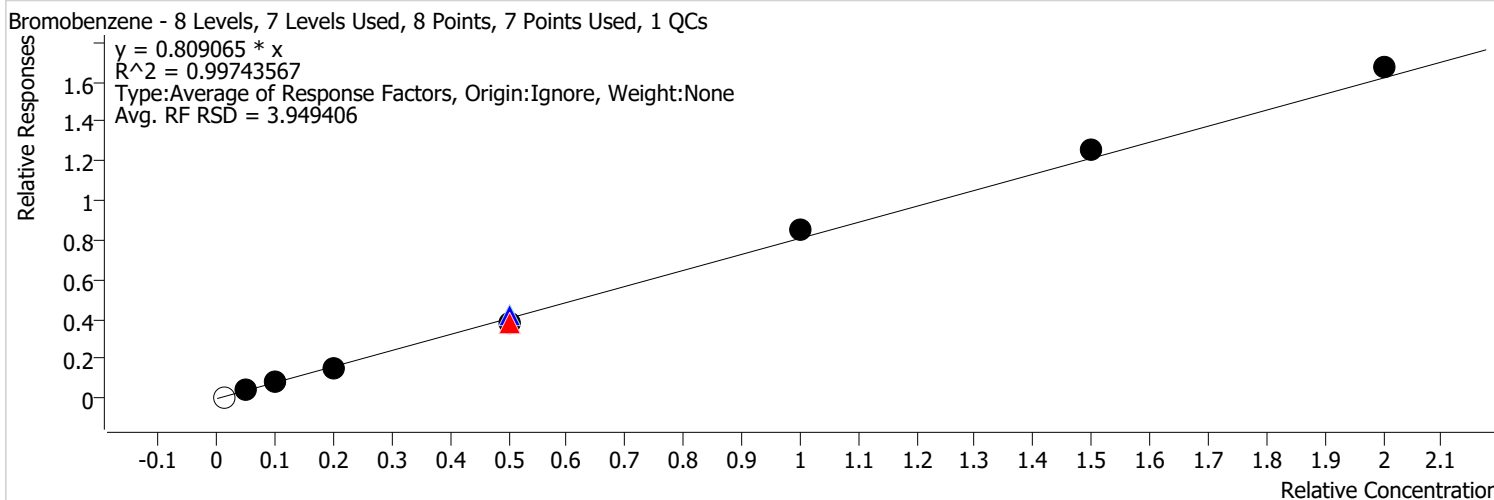


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2719   | 2.5000    | 1.1932       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 10059  | 12.5000   | 0.8308       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 22267  | 25.0000   | 0.9265       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 42506  | 50.0000   | 0.8548       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 114269 | 125.0000  | 0.8641       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 253034 | 250.0000  | 0.9888       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 261042 | 250.0000  | 0.9793       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 114269 | 250.0000  | 0.4321       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 385474 | 375.0000  | 0.9639       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 521580 | 500.0000  | 0.9917       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**Bromobenzene %RSE = 3.9**



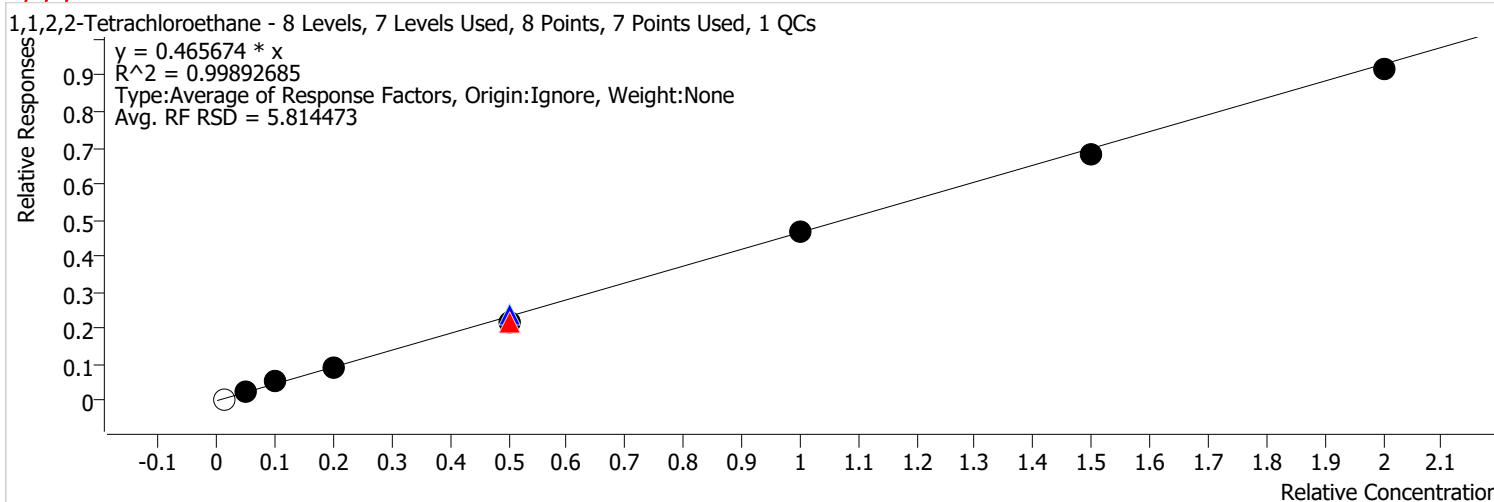
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 2024   | 2.5000    | 0.8880       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 9663   | 12.5000   | 0.7981       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 19259  | 25.0000   | 0.8013       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 38282  | 50.0000   | 0.7698       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 109054 | 125.0000  | 0.8523       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 102265 | 125.0000  | 0.7733       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 102265 | 125.0000  | 0.7733       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 227127 | 250.0000  | 0.8521       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 333431 | 375.0000  | 0.8338       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 439147 | 500.0000  | 0.8350       |           |



# Calibration Report

|                     |   |                      |                |
|---------------------|---|----------------------|----------------|
| Batch Path          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | Analyst Name         | BL2000\mchavez |
| Analysis Time       | 2/28/2022 1:57 PM   | Reporter Name        | BL2000\mchavez |
| Report Time         | 2/28/2022 2:00:45 PM  | Batch State          | Processed      |
| Last Calib Update   | 1/9/2022 8:59 PM  | Quant Report Version | 10.0           |
| Quant Batch Version | 10.0  |                      |                |

**1,1,2,2-Tetrachloroethane %RSE = 5.8**

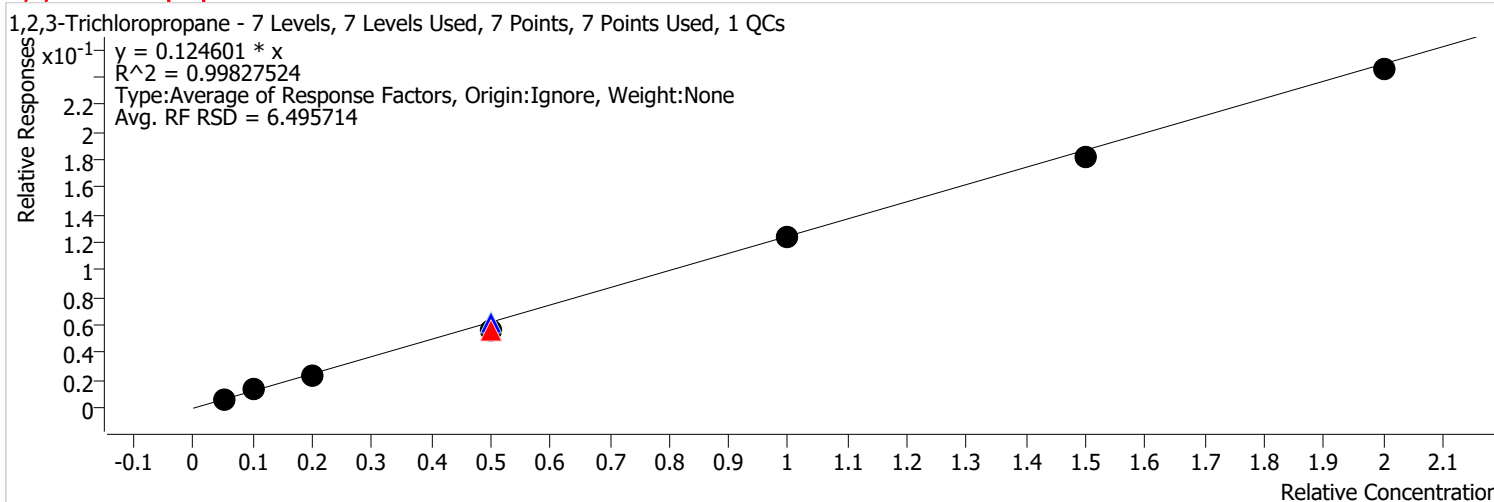


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 1142   | 2.5000    | 0.5014       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 5793   | 12.5000   | 0.4785       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 12440  | 25.0000   | 0.5176       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 22514  | 50.0000   | 0.4528       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 60763  | 125.0000  | 0.4749       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 56958  | 125.0000  | 0.4307       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 56958  | 125.0000  | 0.4307       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 124205 | 250.0000  | 0.4660       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 182470 | 375.0000  | 0.4563       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 240837 | 500.0000  | 0.4579       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,2,3-Trichloropropane %RSE = 6.5**



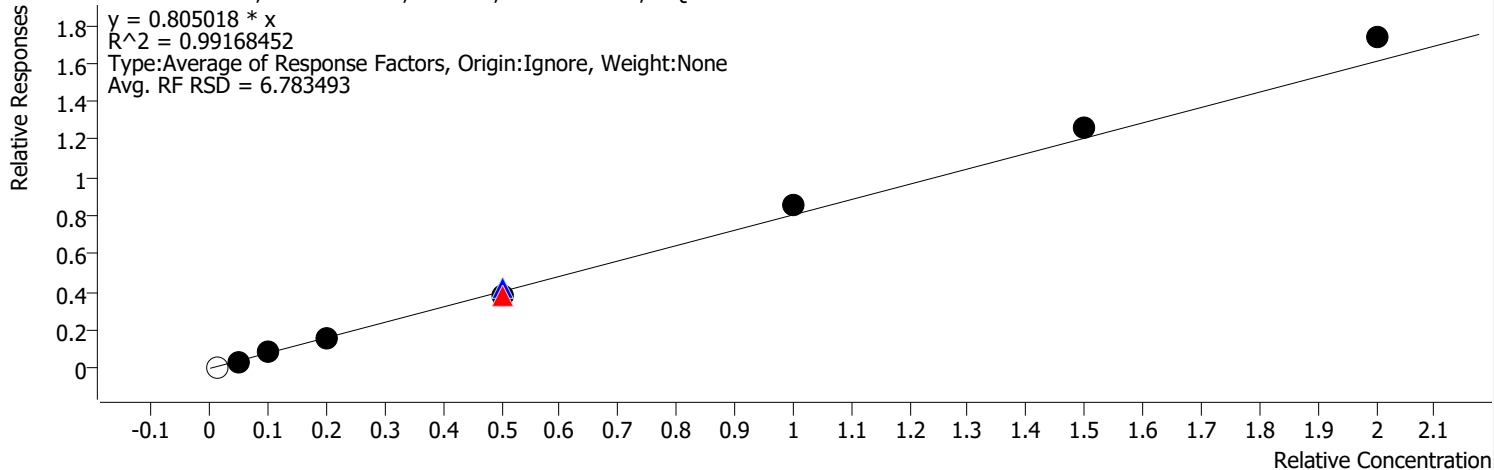
| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp. | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|-------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 1654  | 12.5000   | 0.1366       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 3200  | 25.0000   | 0.1331       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 6096  | 50.0000   | 0.1226       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 15682 | 125.0000  | 0.1226       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 14846 | 125.0000  | 0.1123       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 14846 | 125.0000  | 0.1123       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 33115 | 250.0000  | 0.1242       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 48325 | 375.0000  | 0.1208       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 64422 | 500.0000  | 0.1225       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**2-Chlorotoluene %RSE = 6.8**

2-Chlorotoluene - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 1 QCs

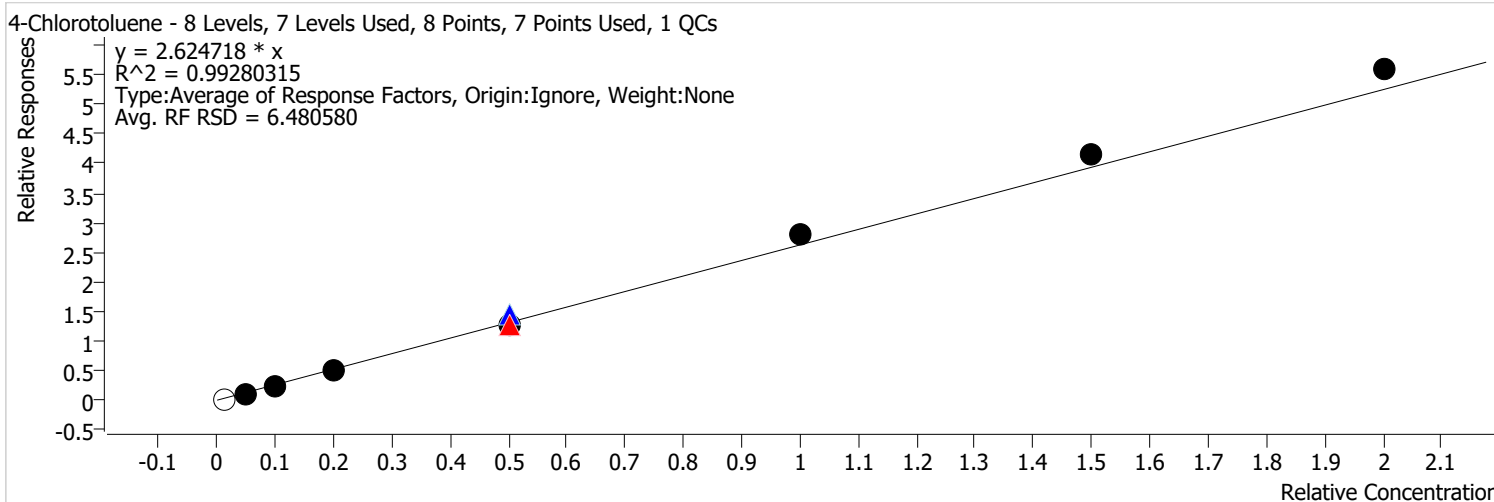


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 1844   | 2.5000    | 0.8090       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 8731   | 12.5000   | 0.7211       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 19390  | 25.0000   | 0.8068       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 37987  | 50.0000   | 0.7639       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 108192 | 125.0000  | 0.8456       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 102424 | 125.0000  | 0.7745       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 102424 | 125.0000  | 0.7745       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 229396 | 250.0000  | 0.8606       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 336386 | 375.0000  | 0.8411       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 455991 | 500.0000  | 0.8670       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**4-Chlorotoluene %RSE = 6.5**

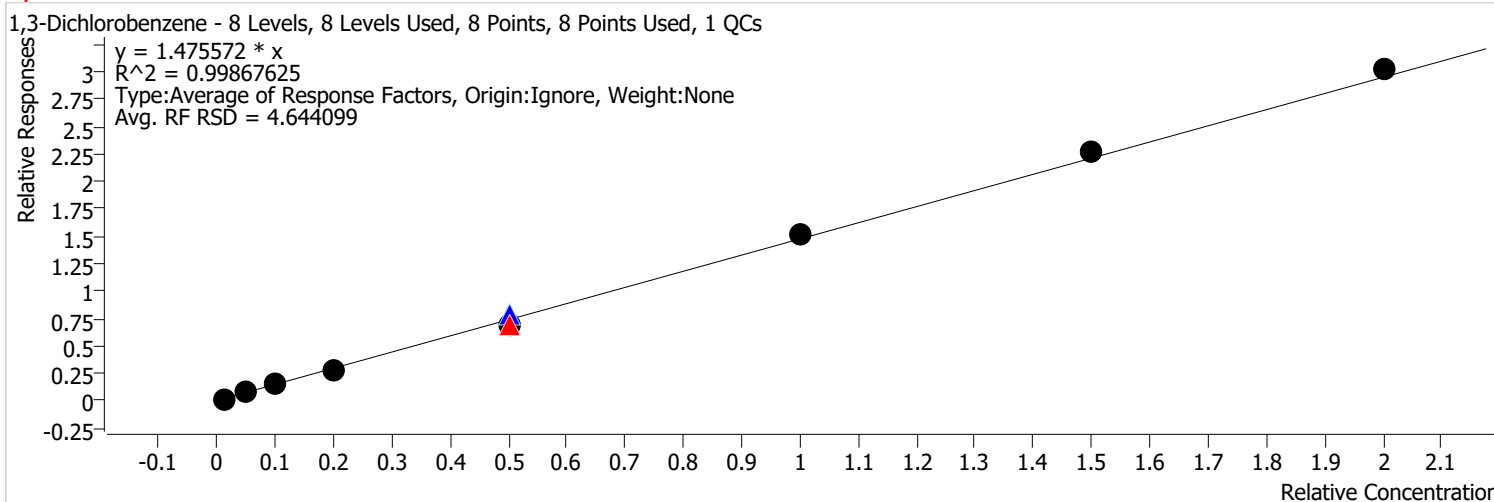


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.   | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|---------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     |         | 5419    | 2.5000    | 2.3780       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 28532   | 12.5000   | 2.3566       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 61551   | 25.0000   | 2.5611       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 126308  | 50.0000   | 2.5400       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 368295  | 125.0000  | 2.8784       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 336146  | 125.0000  | 2.5420       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 336146  | 125.0000  | 2.5420       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 748435  | 250.0000  | 2.8078       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 1109221 | 375.0000  | 2.7736       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 1468376 | 500.0000  | 2.7919       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,3-Dichlorobenzene %RSE = 4.6**

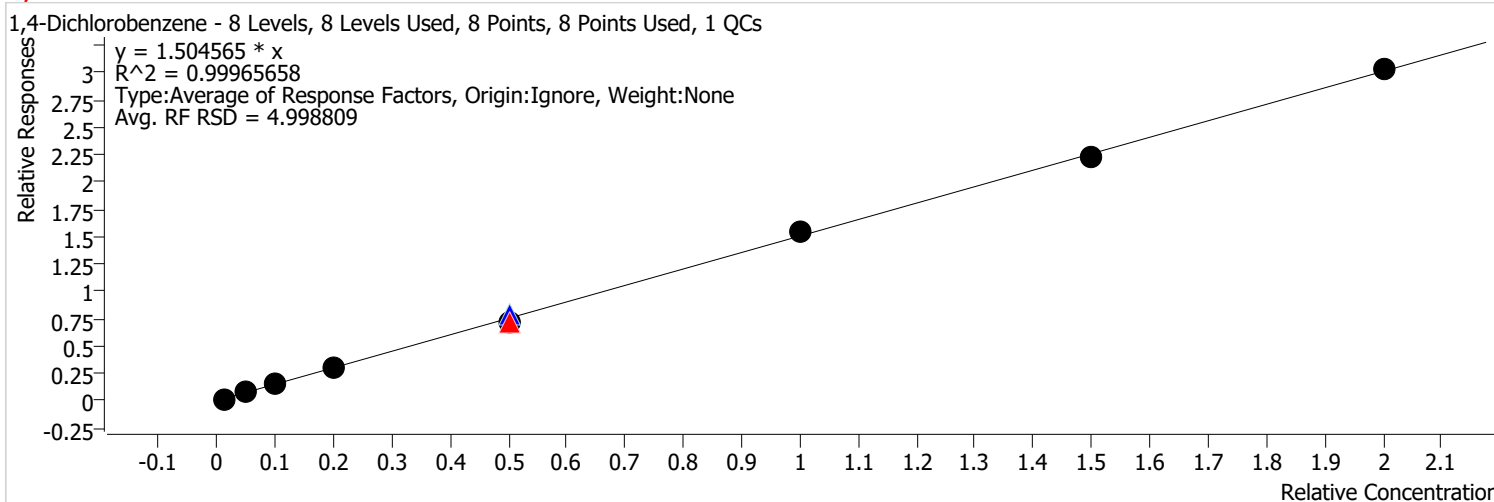


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 3541   | 2.5000    | 1.5539       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 16932  | 12.5000   | 1.3985       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 36559  | 25.0000   | 1.5212       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 69539  | 50.0000   | 1.3984       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 204088 | 125.0000  | 1.5950       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 183404 | 125.0000  | 1.3869       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 183404 | 125.0000  | 1.3869       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 406895 | 250.0000  | 1.5265       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 603674 | 375.0000  | 1.5095       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 793993 | 500.0000  | 1.5097       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

**1,4-Dichlorobenzene %RSE = 5.0**

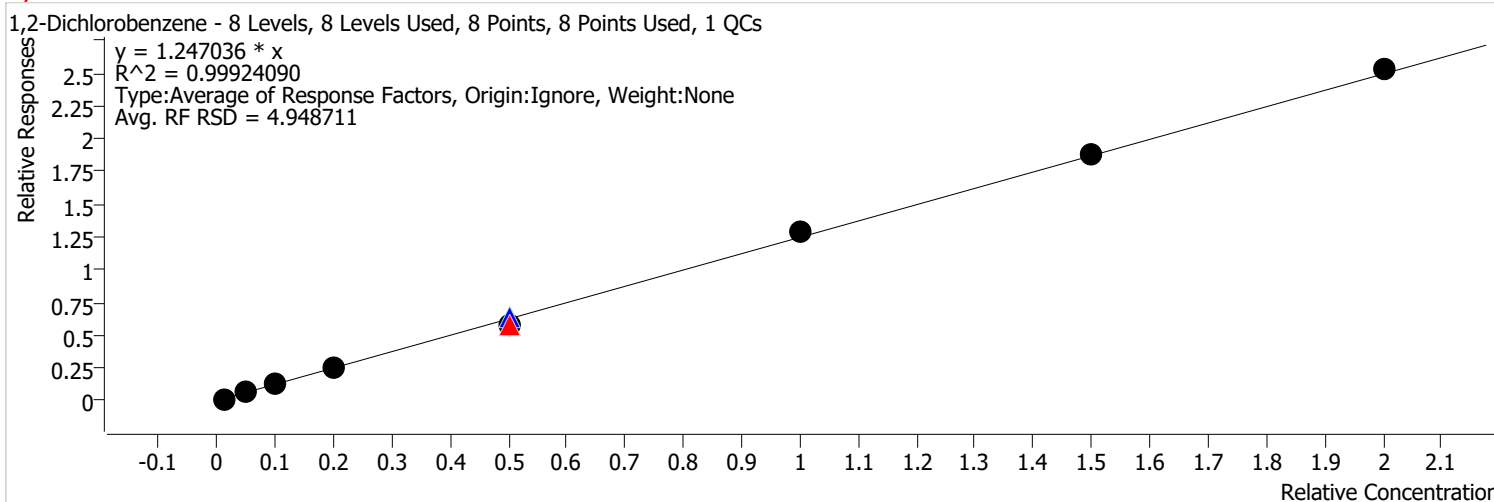


| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 3787   | 2.5000    | 1.6618       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 17438  | 12.5000   | 1.4403       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 36635  | 25.0000   | 1.5243       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 71841  | 50.0000   | 1.4447       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 200032 | 125.0000  | 1.5633       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 189045 | 125.0000  | 1.4296       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 189045 | 125.0000  | 1.4296       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 408934 | 250.0000  | 1.5342       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 595919 | 375.0000  | 1.4901       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 794954 | 500.0000  | 1.5115       |           |

# Calibration Report

|                            |   |                             |                |
|----------------------------|---|-----------------------------|----------------|
| <b>Batch Path</b>          | D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin | <b>Analyst Name</b>         | BL2000\mchavez |
| <b>Analysis Time</b>       | 2/28/2022 1:57 PM   | <b>Reporter Name</b>        | BL2000\mchavez |
| <b>Report Time</b>         | 2/28/2022 2:00:45 PM  | <b>Batch State</b>          | Processed      |
| <b>Last Calib Update</b>   | 1/9/2022 8:59 PM  | <b>Quant Report Version</b> | 10.0           |
| <b>Quant Batch Version</b> | 10.0  |                             |                |

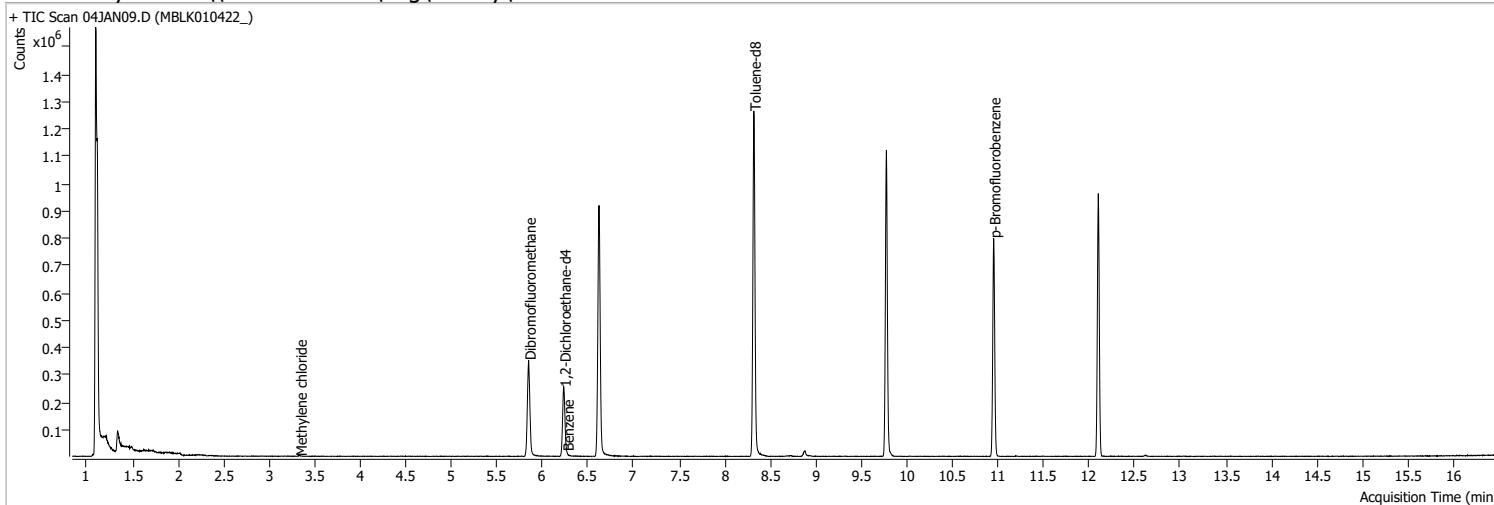
**1,2-Dichlorobenzene %RSE = 4.9**



| Calibration STD Path                      | Cal Type    | Level | Enabled | Resp.  | Exp. Conc | Resp. Factor | Level RSD |
|---|-------------|-------|---------|--------|-----------|--------------|-----------|
| D:\Org\Data\VOA5975C\VG010422\04JAN10.D   | Calibration | 1     | x       | 3104   | 2.5000    | 1.3621       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN11.D   | Calibration | 2     | x       | 14666  | 12.5000   | 1.2114       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN12.D   | Calibration | 3     | x       | 29899  | 25.0000   | 1.2441       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN13.D   | Calibration | 4     | x       | 60213  | 50.0000   | 1.2109       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN23.D   | QC          | QC    | x       | 164299 | 125.0000  | 1.2841       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15.D   | Calibration | 5     | x       | 152284 | 125.0000  | 1.1516       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D | CC          | CC    | x       | 152284 | 125.0000  | 1.1516       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN17.D   | Calibration | 6     | x       | 342576 | 250.0000  | 1.2852       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN19.D   | Calibration | 7     | x       | 499147 | 375.0000  | 1.2481       |           |
| D:\Org\Data\VOA5975C\VG010422\04JAN21.D   | Calibration | 8     | x       | 664247 | 500.0000  | 1.2630       |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN09.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 3:05:37 PM   |
| Sample Name    | MBLK010422_                         | Instrument        | VOA5975C              |
| Vial           | 9                                   | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 775552 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 301196 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 231562 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 203459 | 278.4635           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 111.39% |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 88174  | 279.3964           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 111.76% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 770154 | 265.3436           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 106.14% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 226743 | 267.2815           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 106.91% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.333                | 50.0  | 0      |                    | ng    | md 1     |
| T Vinyl chloride                   | 1.489                | 62.0  | 0      |                    | ng    | md 1     |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.335                | 49.0  | 1661   | 1.4424             | ng    | m 97     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 0.000                |       | 0      | N.D.               |       |          |

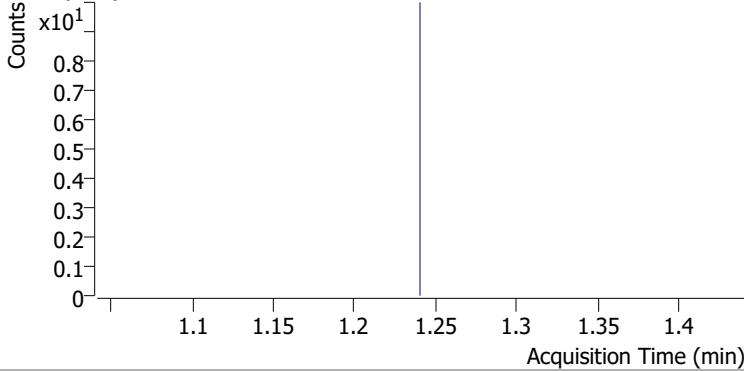
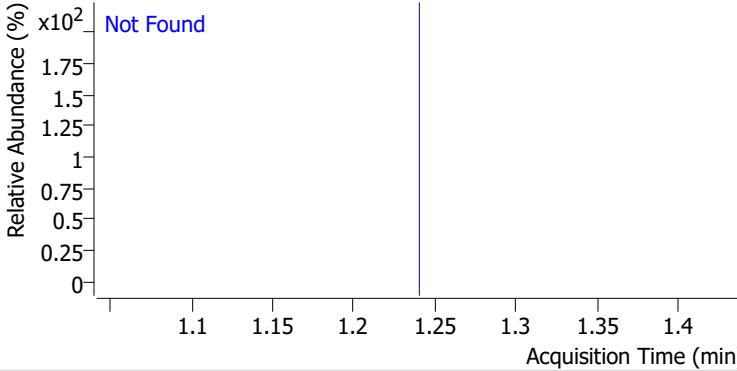
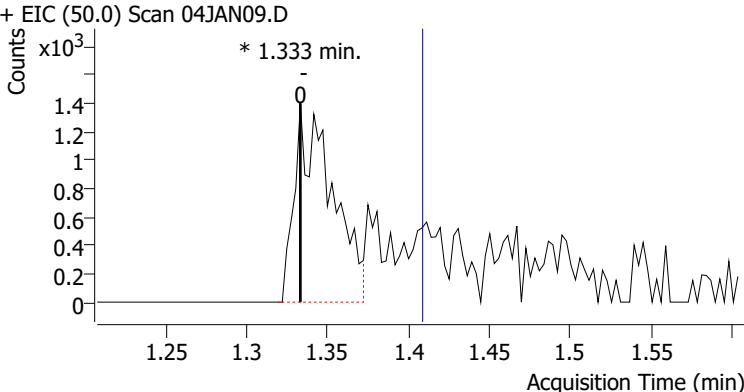
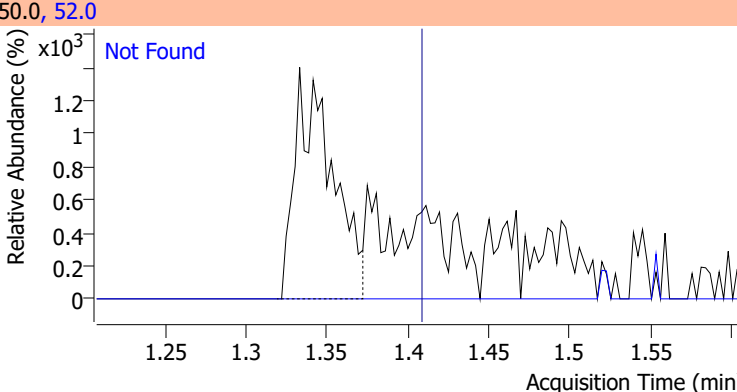
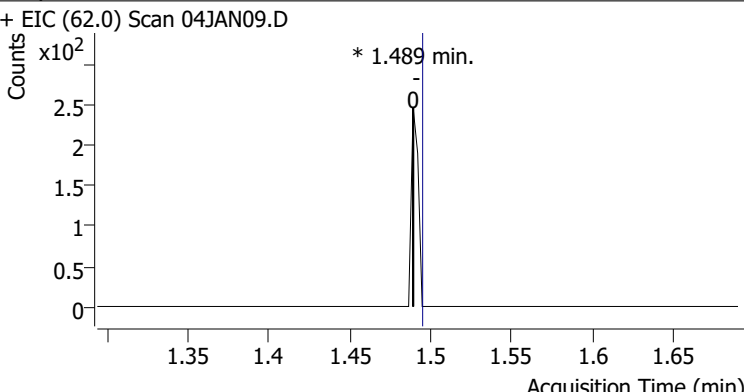
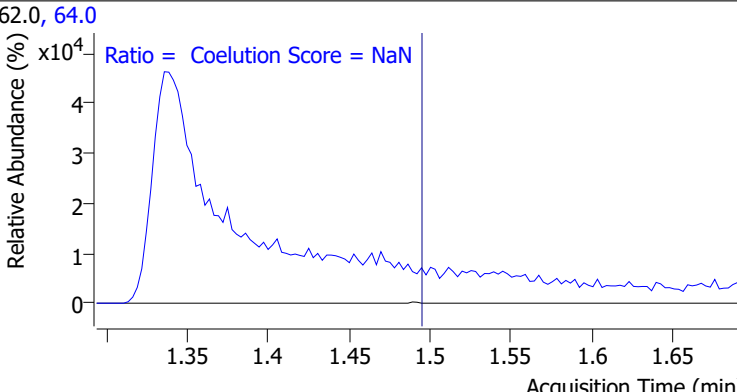
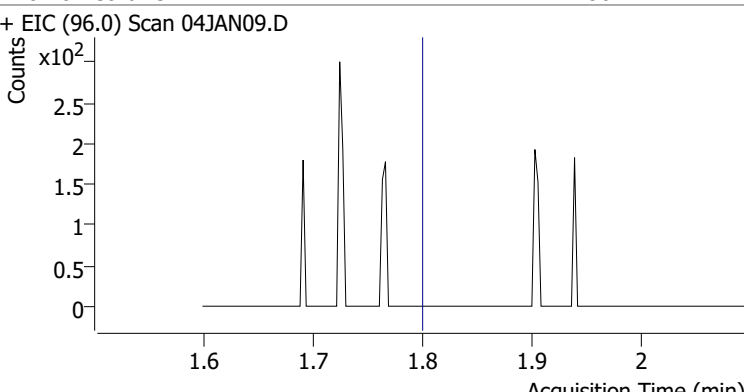
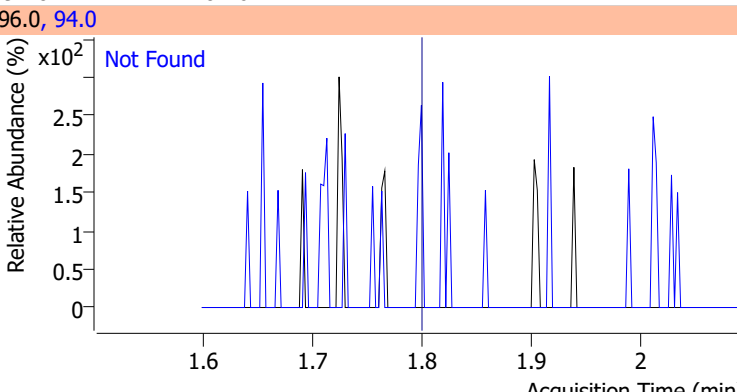


# Quantitation Results Report (QT Reviewed)

| Compound                    | RT    | QIon | Resp. | Conc.  | Units |   | Dev(Min) |
|-----------------------------|-------|------|-------|--------|-------|---|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |   |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Benzene                   | 6.266 | 78.0 | 381   | 0.1233 | ng    | m | 98       |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.   |       |   |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.   |       |   |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.   |       |   |          |
| T Toluene                   | 0.000 |      | 0     | N.D.   |       |   |          |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |   |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.   |       |   |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |   |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.   |       |   |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.   |       |   |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.   |       |   |          |
| T Styrene                   | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.   |       |   |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |

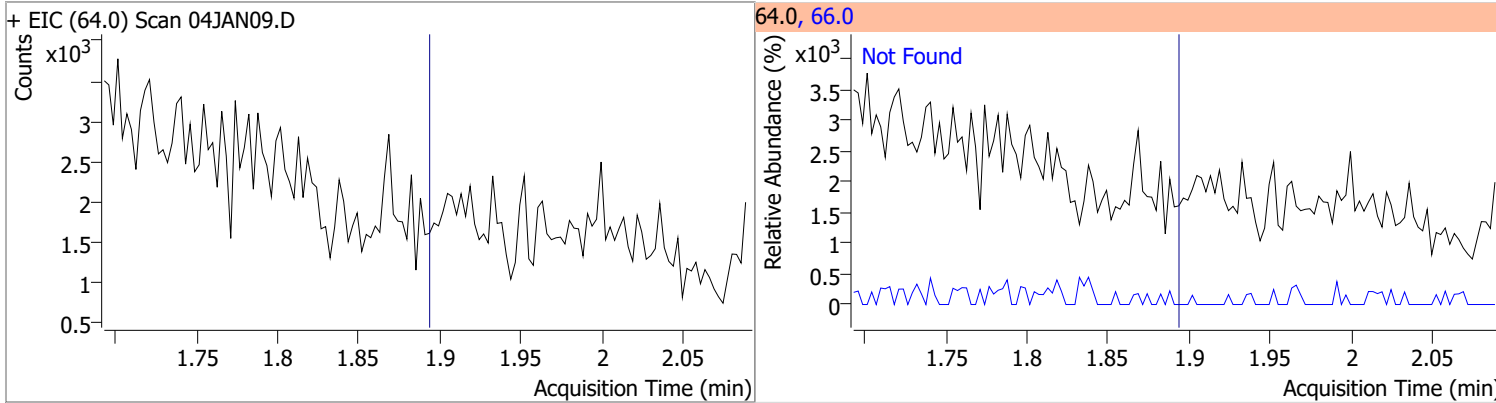
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

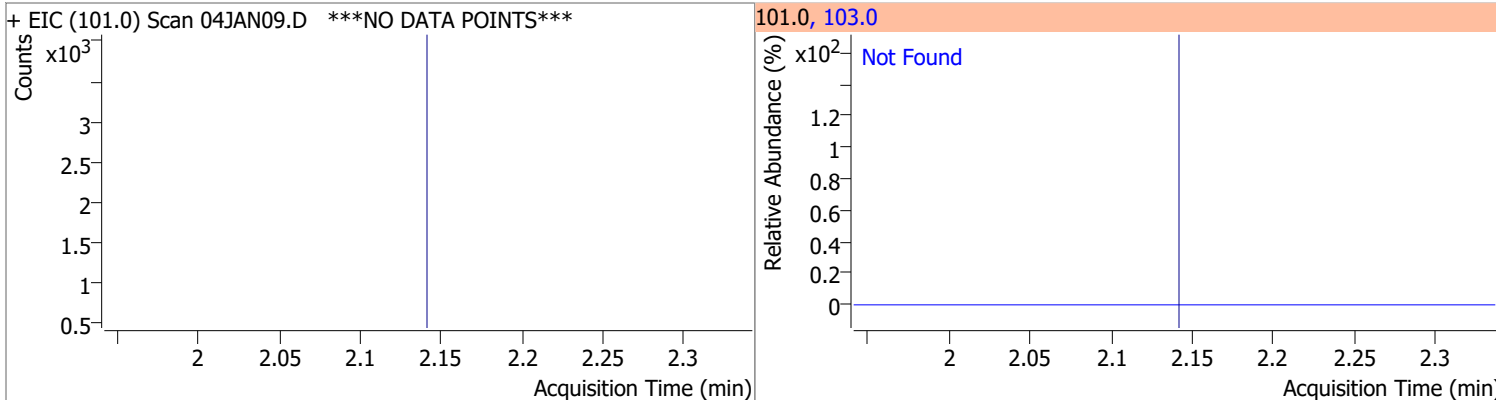
| Compound  | Conc. | Exp RT | QIon     | Exp Ratio |      |        |       |       |
|---|-------|--------|----------|-----------|------|--------|-------|-------|
| Dichlorodifluoromethane   | N.D.  | 1.24   | 87.0     | 32.3      |      |        |       |       |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>+ EIC (85.0) Scan 04JAN09.D ***NO DATA POINTS***</p>  </div> <div style="width: 48%;"> <p>85.0, 87.0</p>  <p>Not Found</p> </div> </div>                        |       |        |          |           |      |        |       |       |
| Compound  | Conc. | RT     | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
| Chloromethane   | 0     | 0      | 0        | 0         | 52.0 |        | 2.1   | 62.1  |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>+ EIC (50.0) Scan 04JAN09.D</p> <p>* 1.333 min.</p>  </div> <div style="width: 48%;"> <p>50.0, 52.0</p>  <p>Not Found</p> </div> </div>                       |       |        |          |           |      |        |       |       |
| Compound  | Conc. | RT     | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
| Vinyl chloride  | 0     | 0      | 0        | 0         | 64.0 |        | 0.0   | 59.9  |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>+ EIC (62.0) Scan 04JAN09.D</p> <p>* 1.489 min.</p>  </div> <div style="width: 48%;"> <p>62.0, 64.0</p> <p>Ratio = Coelution Score = NaN</p>  </div> </div> |       |        |          |           |      |        |       |       |
| Compound  | Conc. | Exp RT | QIon     | Exp Ratio |      |        |       |       |
| Bromomethane  | N.D.  | 1.80   | 94.0     | 104.6     |      |        |       |       |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>+ EIC (96.0) Scan 04JAN09.D</p>  </div> <div style="width: 48%;"> <p>96.0, 94.0</p>  <p>Not Found</p> </div> </div>   |       |        |          |           |      |        |       |       |

# Quantitation Results Report (QT Reviewed)

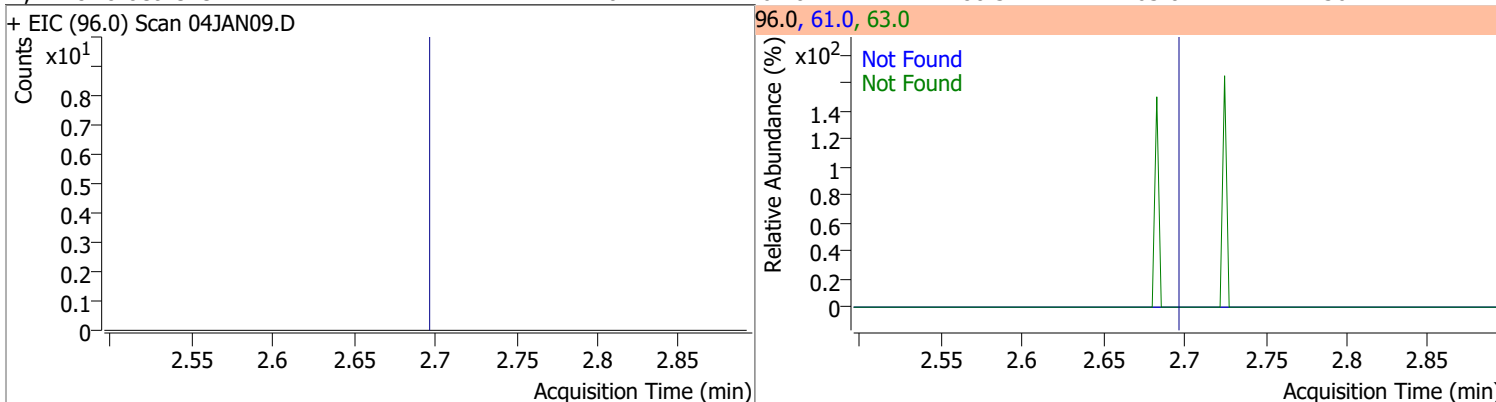
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



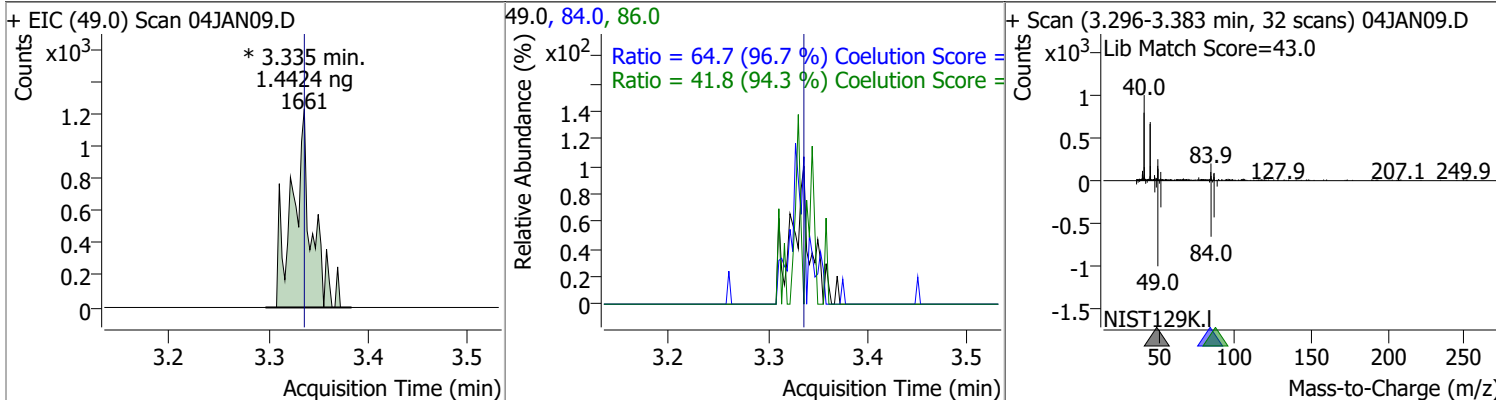
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

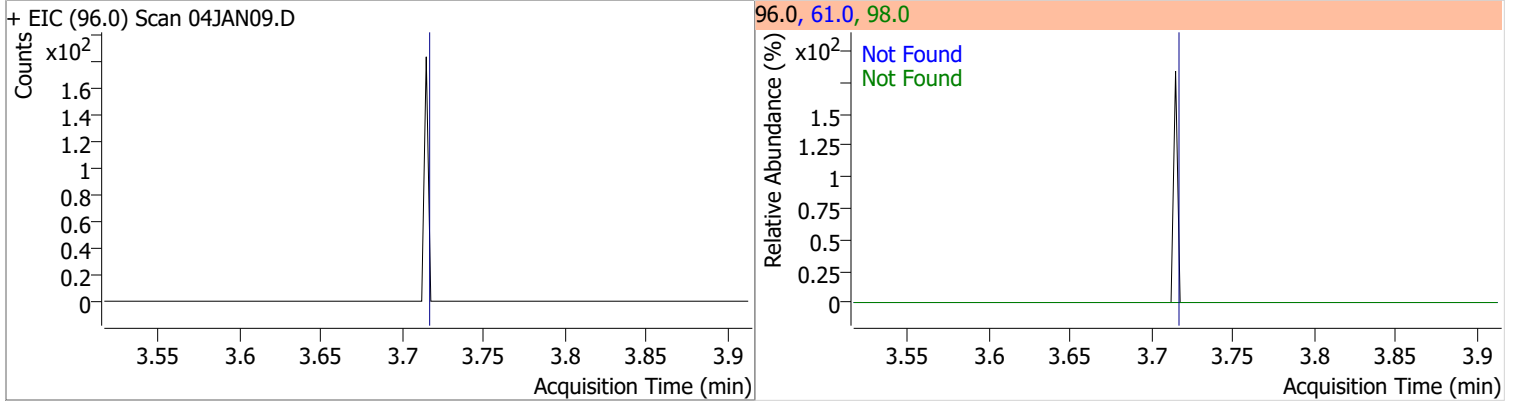


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.4424 | 3.34 | 0.00     | 1661 (m) | 84.0 | 64.7   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 41.8   | 14.3  | 74.3  |

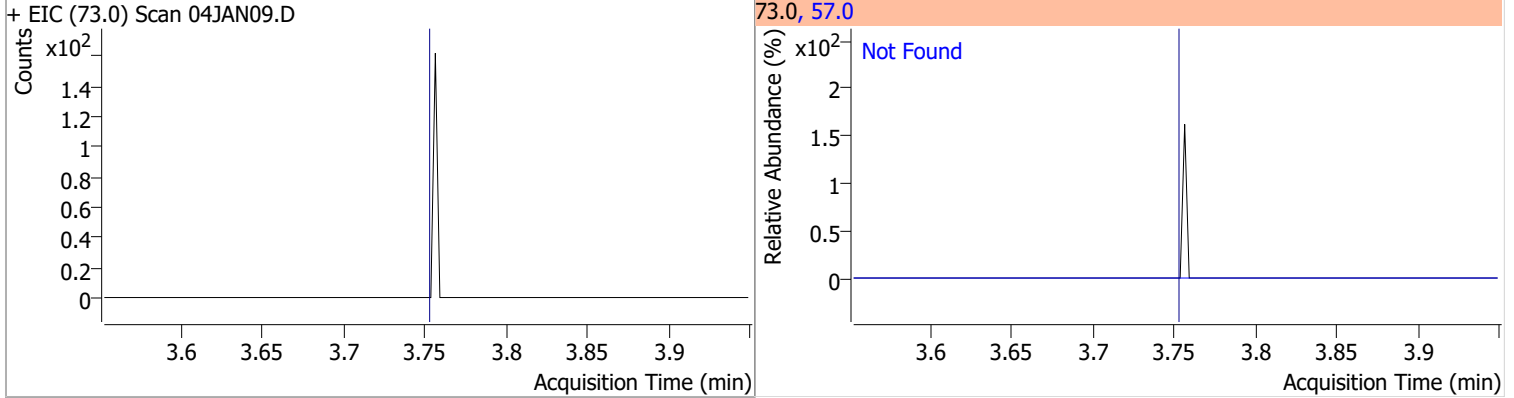


# Quantitation Results Report (QT Reviewed)

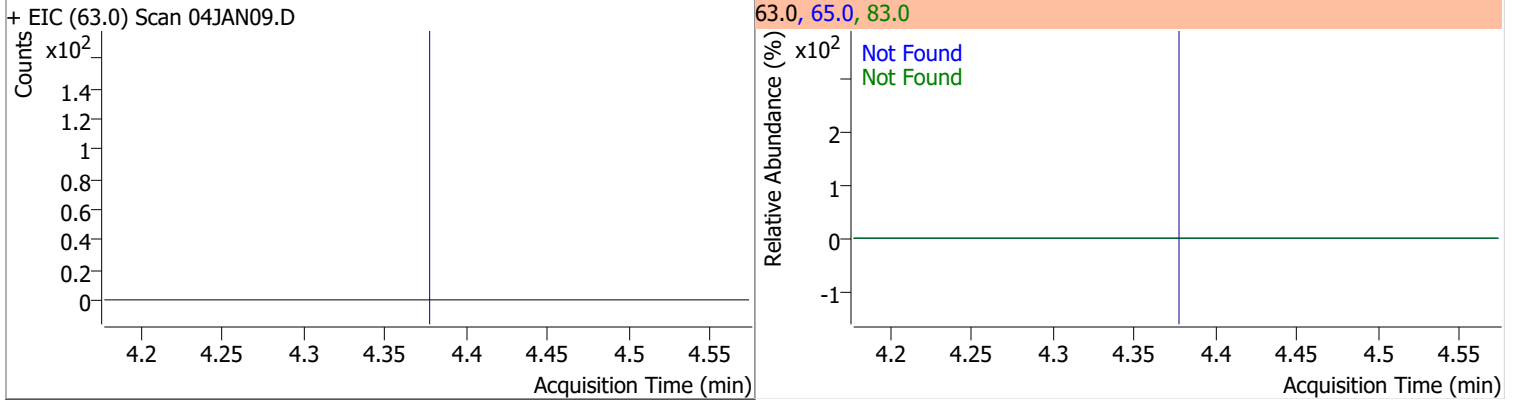
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



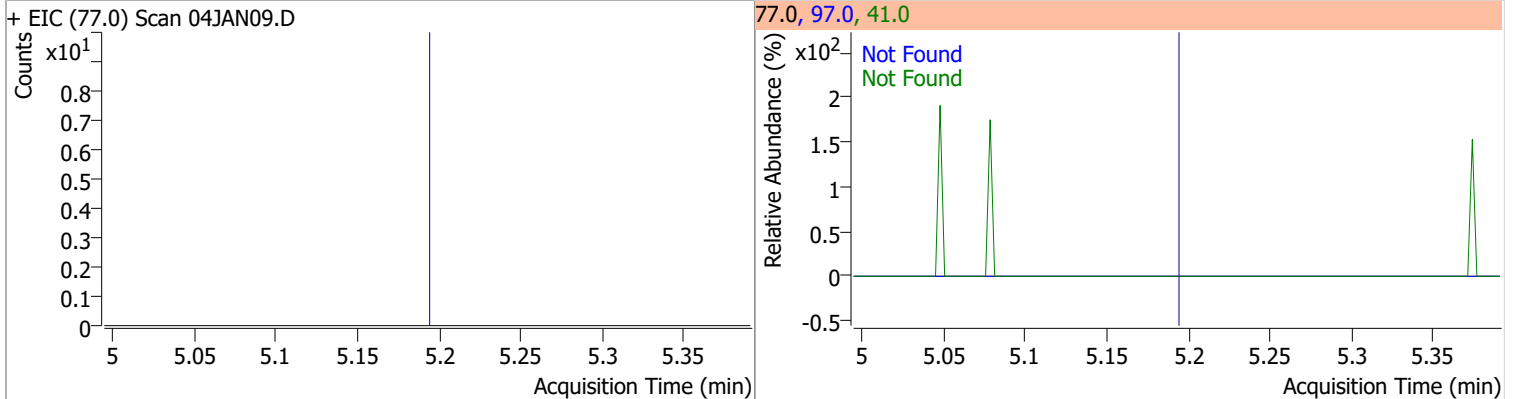
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

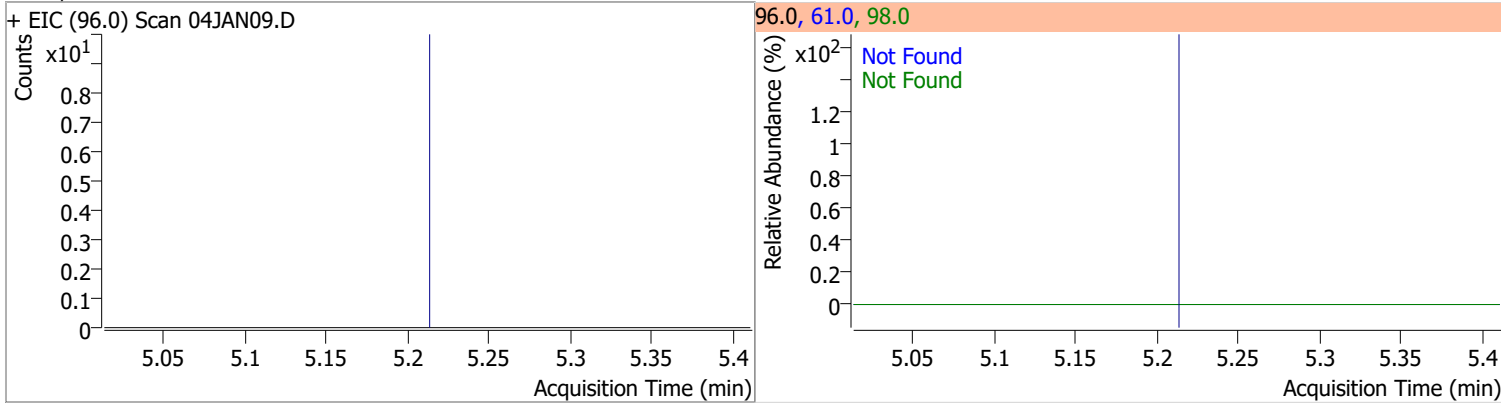


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

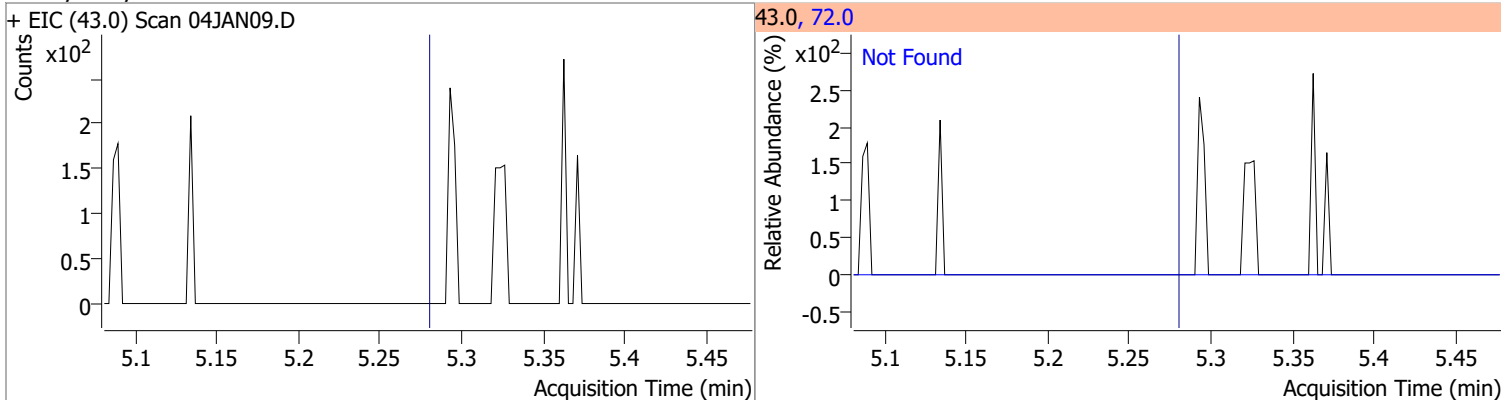


# Quantitation Results Report (QT Reviewed)

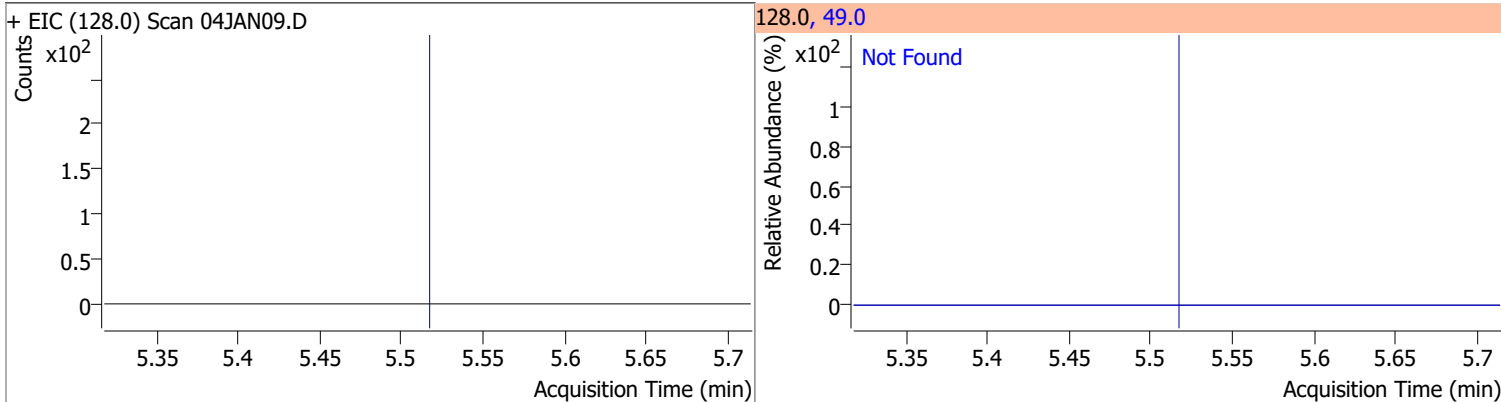
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



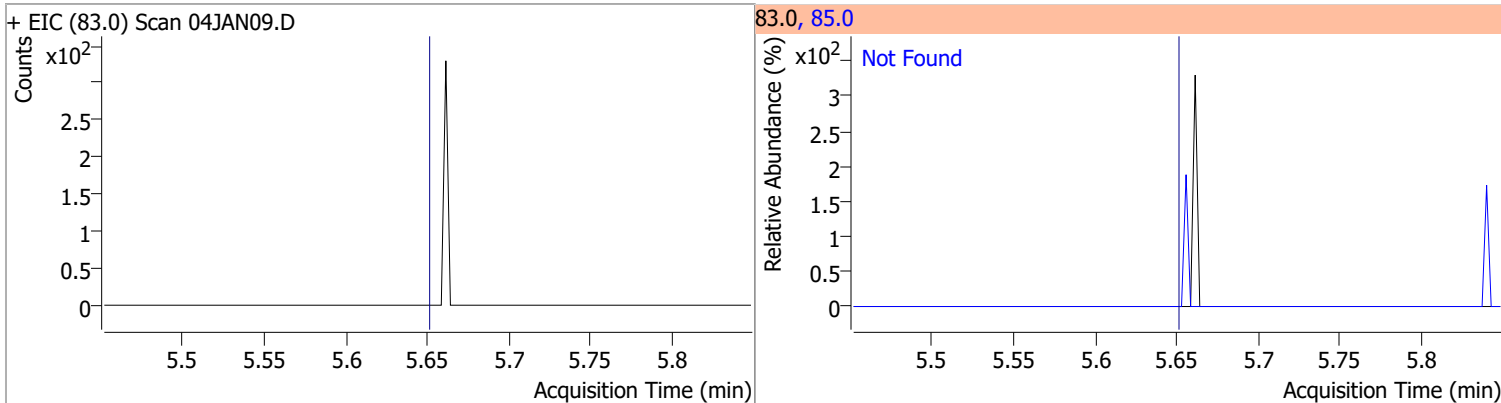
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



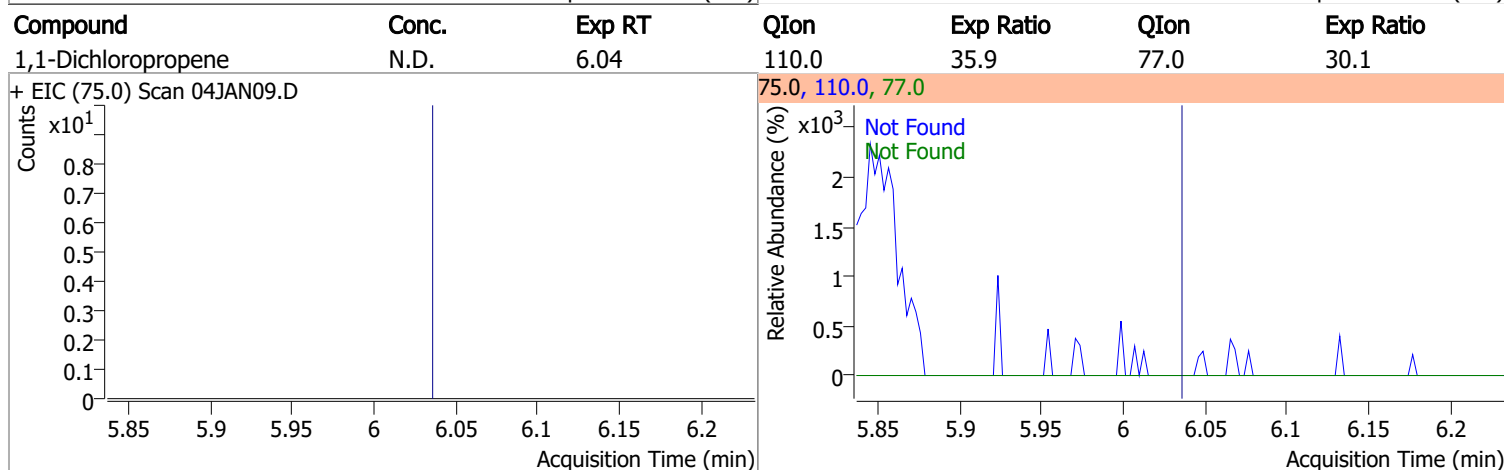
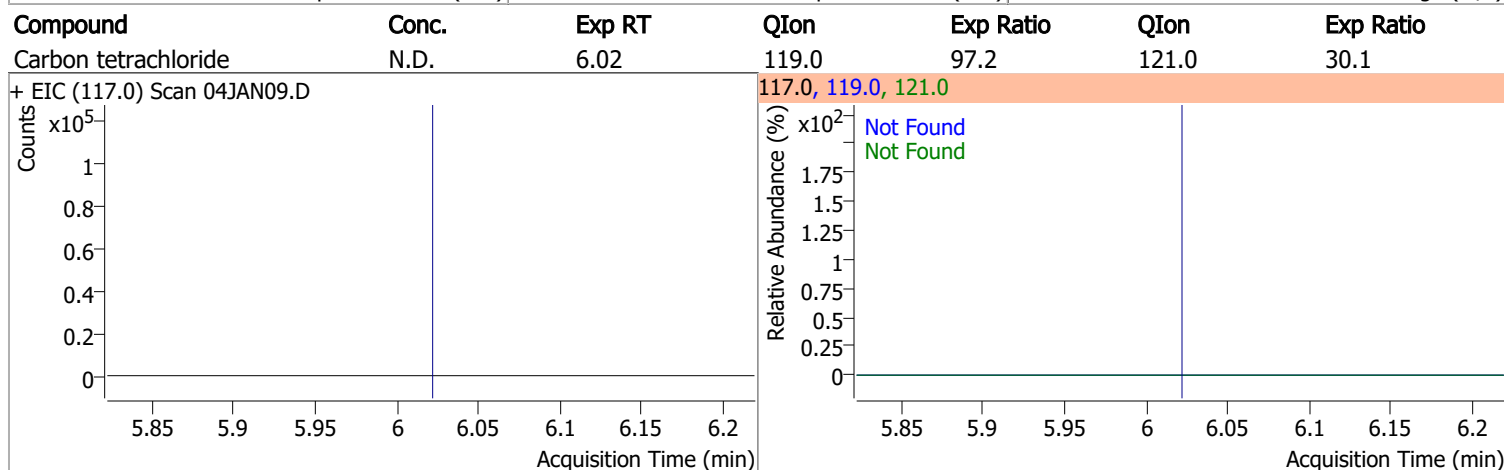
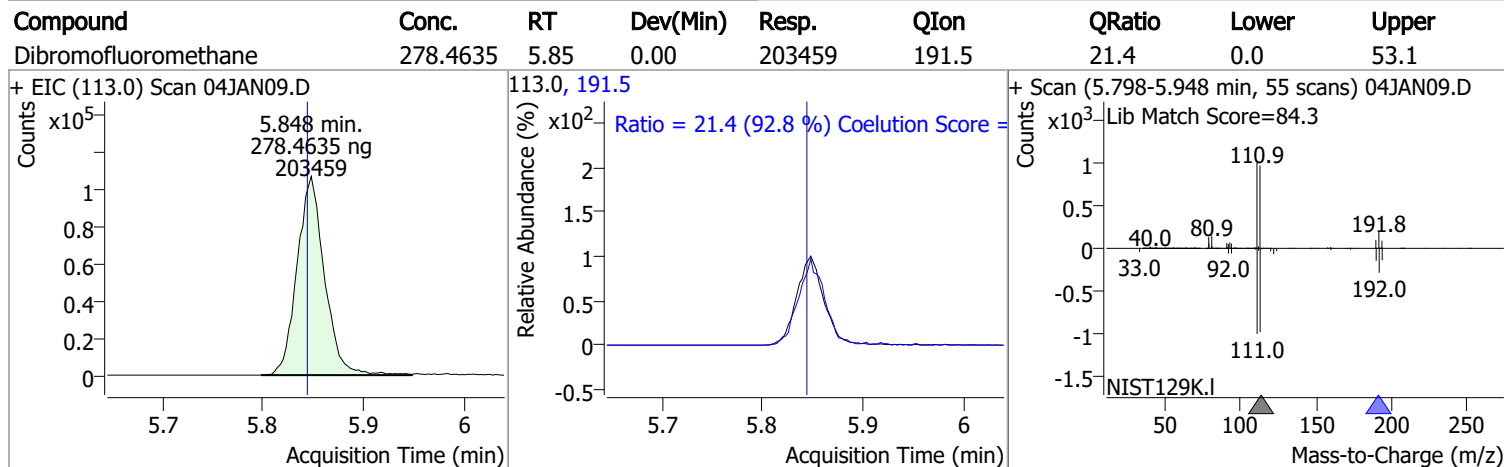
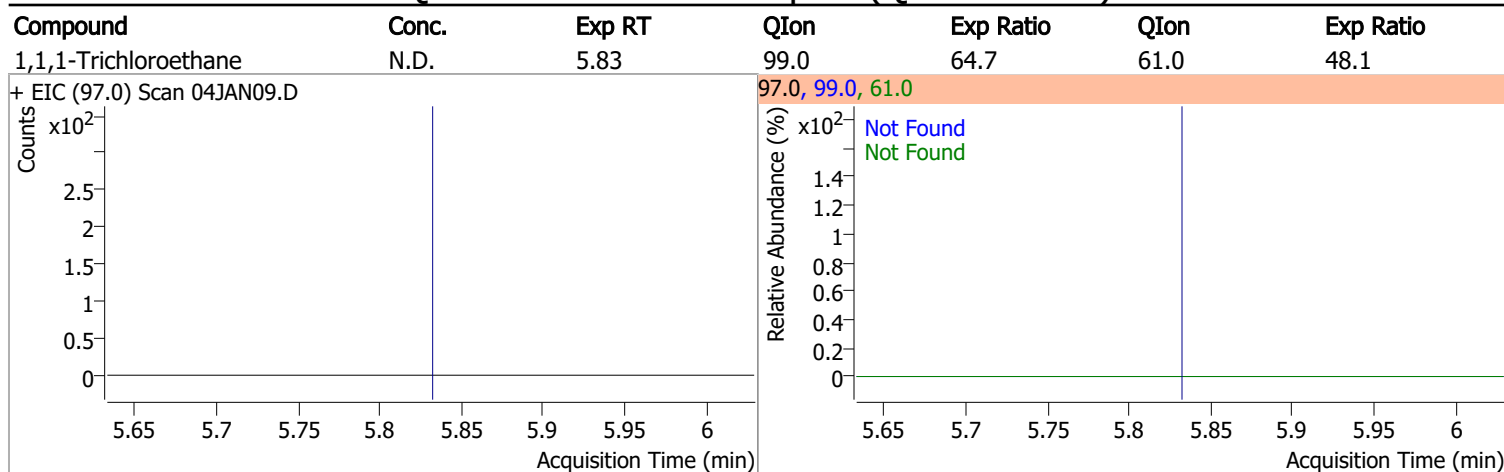
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |

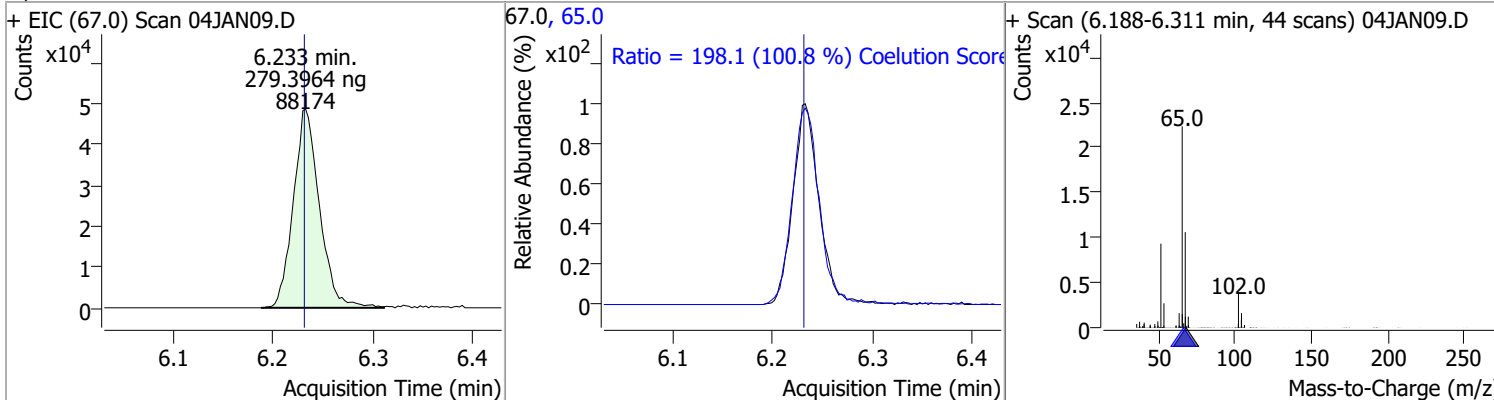


# Quantitation Results Report (QT Reviewed)

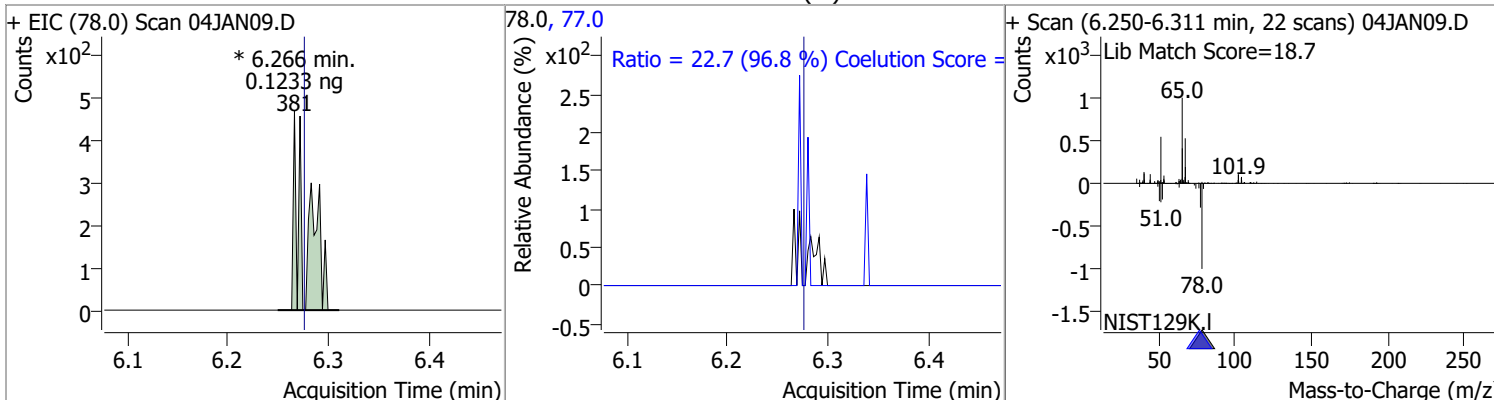


# Quantitation Results Report (QT Reviewed)

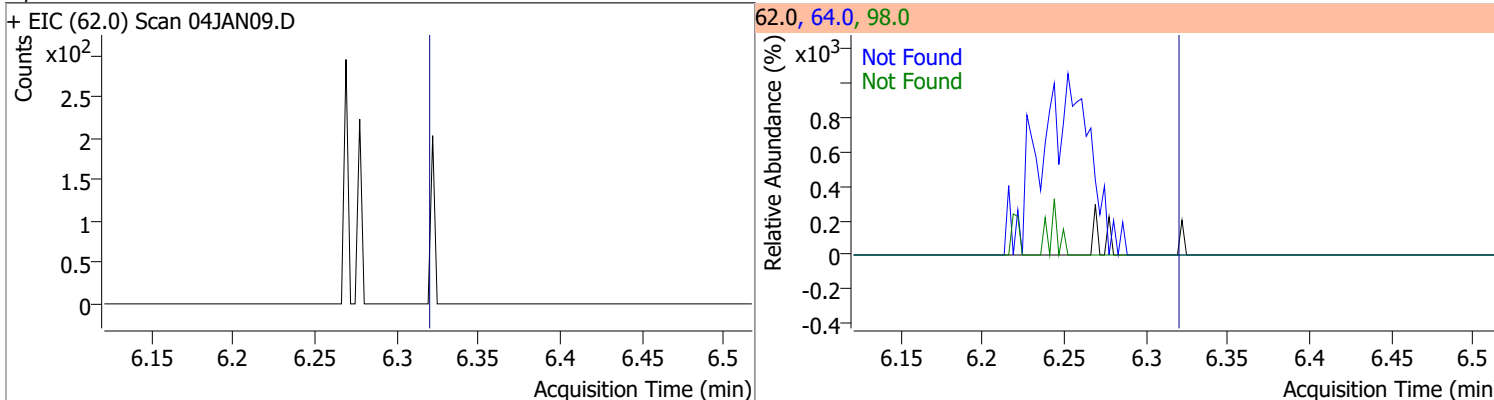
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 279.3964 | 6.23 | 0.00     | 88174 | 65.0 | 198.1  | 166.5 | 226.5 |



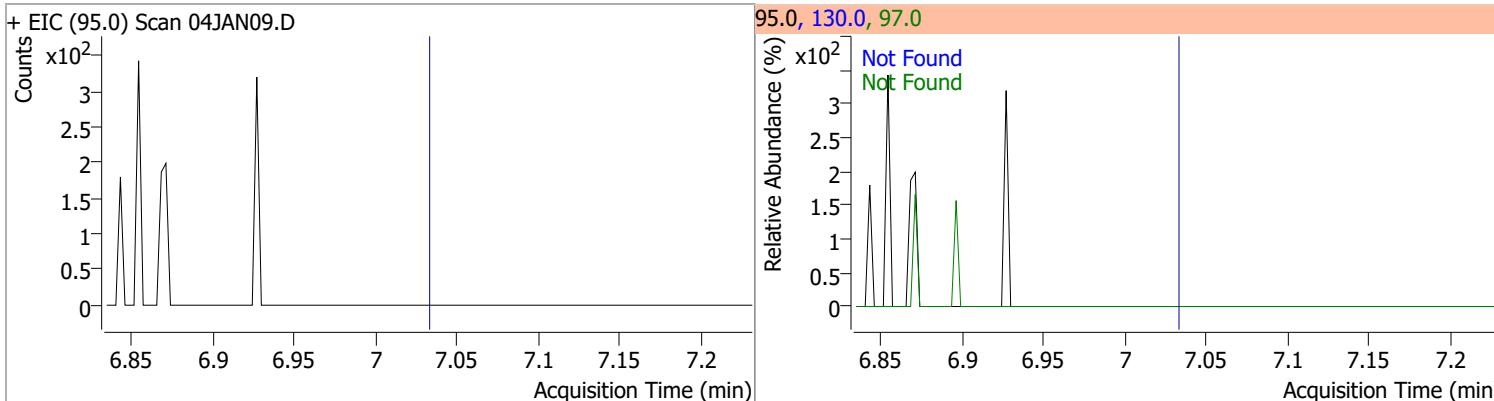
| Compound | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 0.1233 | 6.27 | -0.01    | 381 (m) | 77.0 | 22.7   | 0.0   | 53.5  |



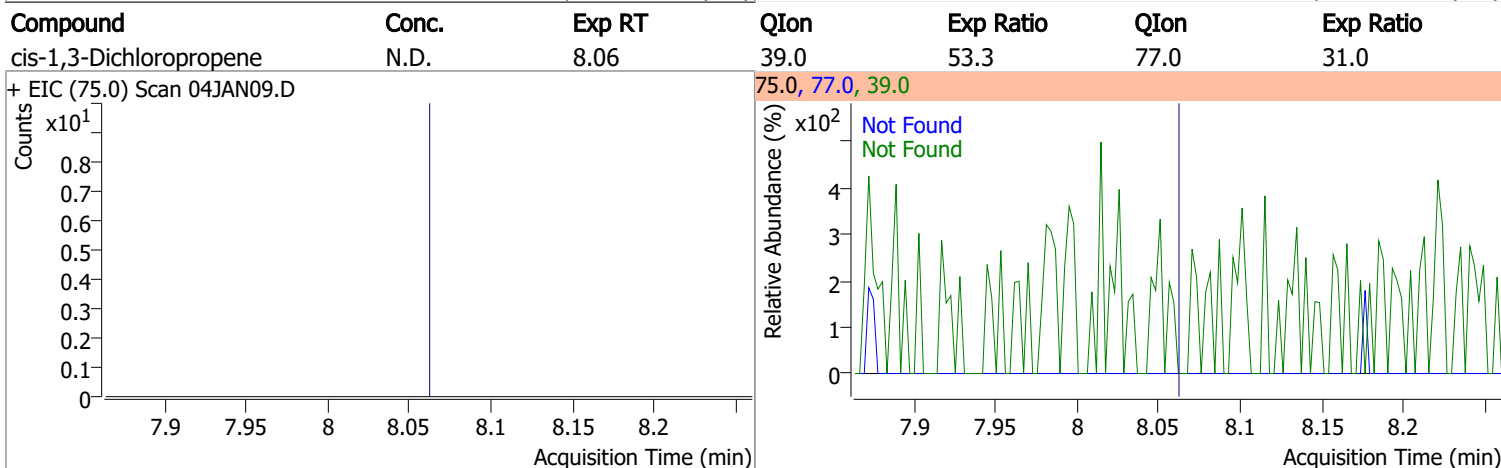
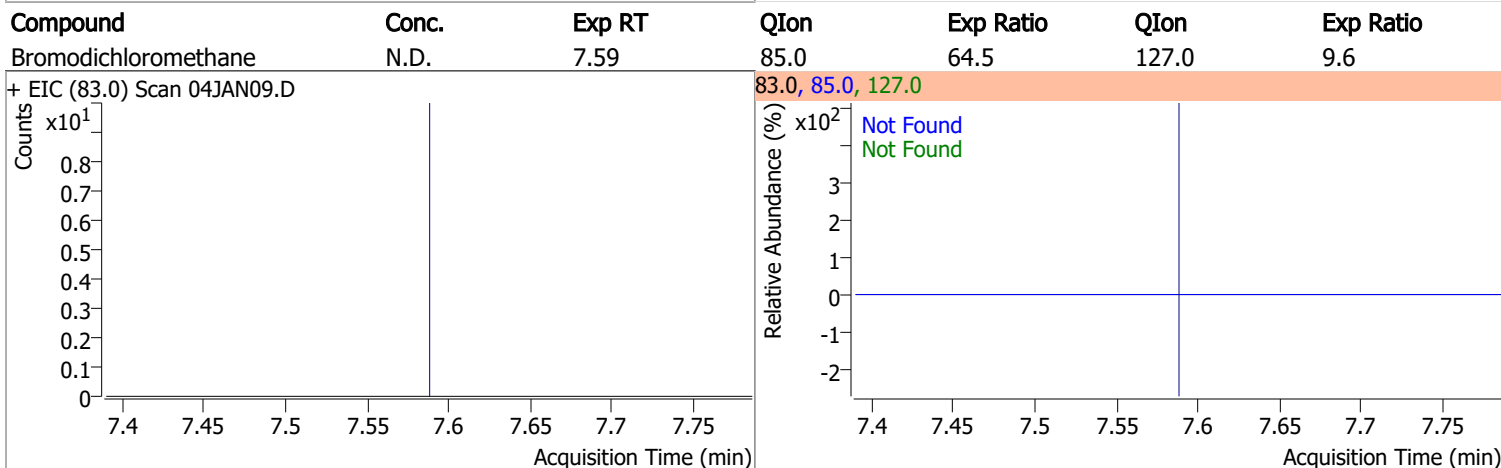
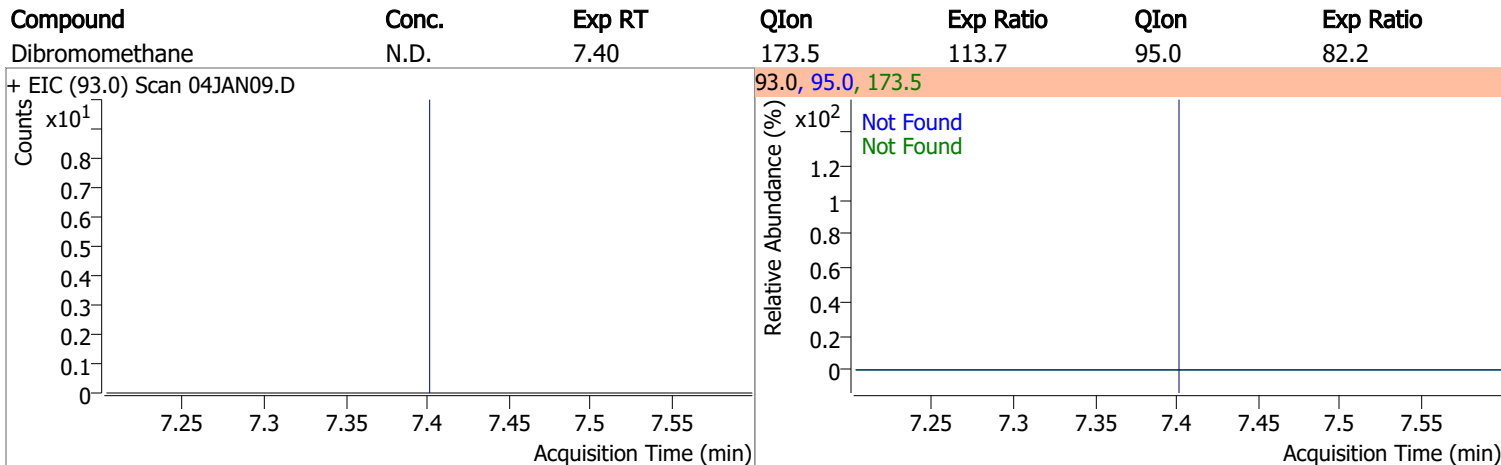
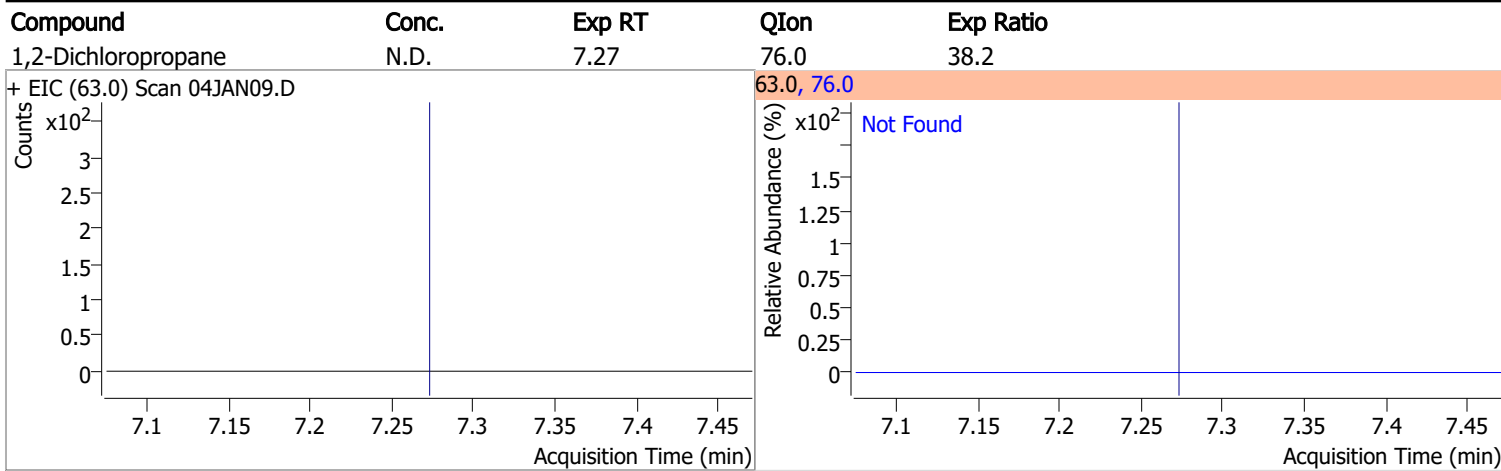
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |



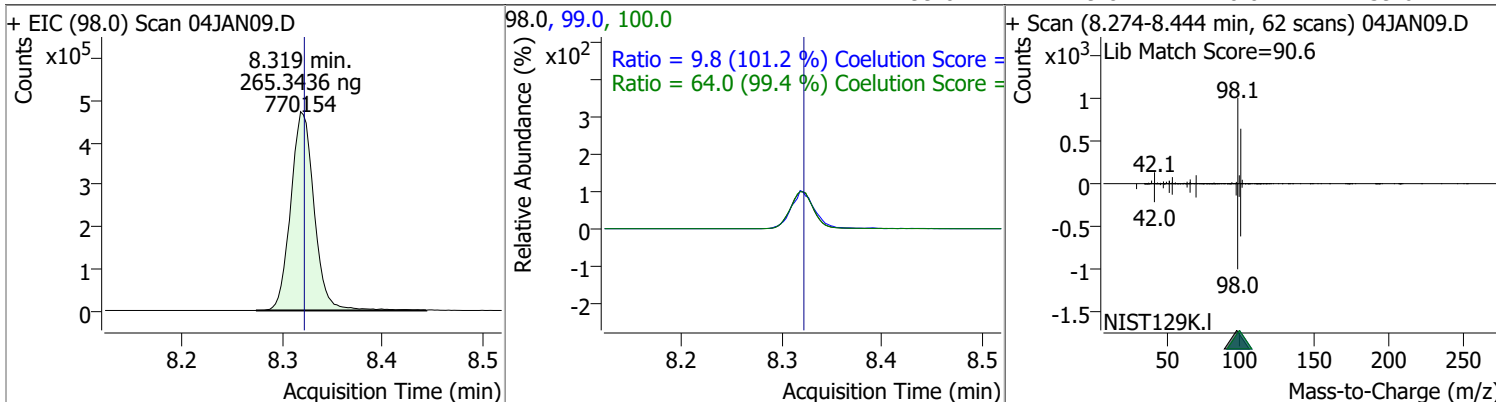
# Quantitation Results Report (QT Reviewed)



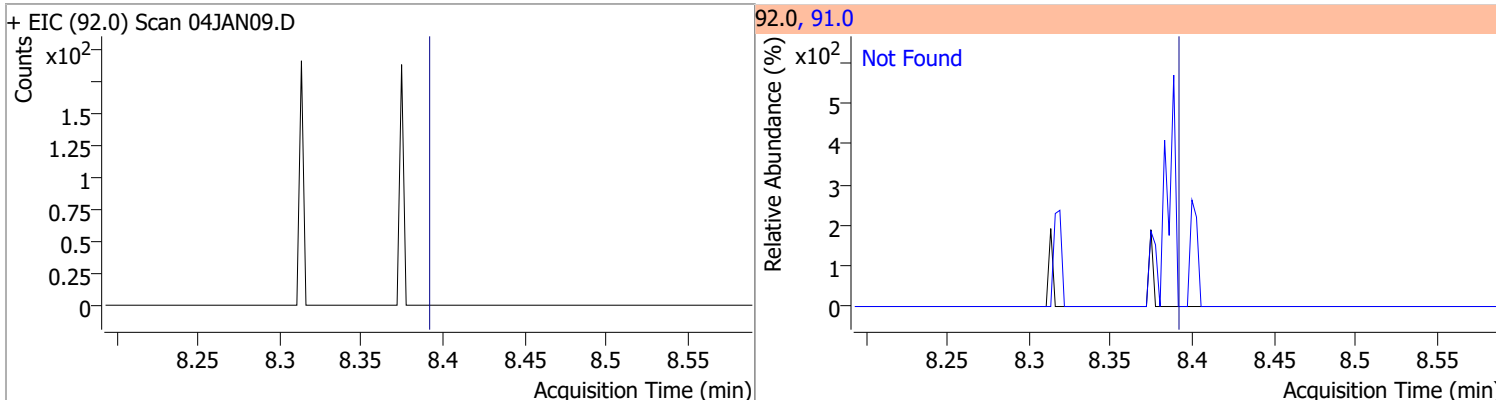


# Quantitation Results Report (QT Reviewed)

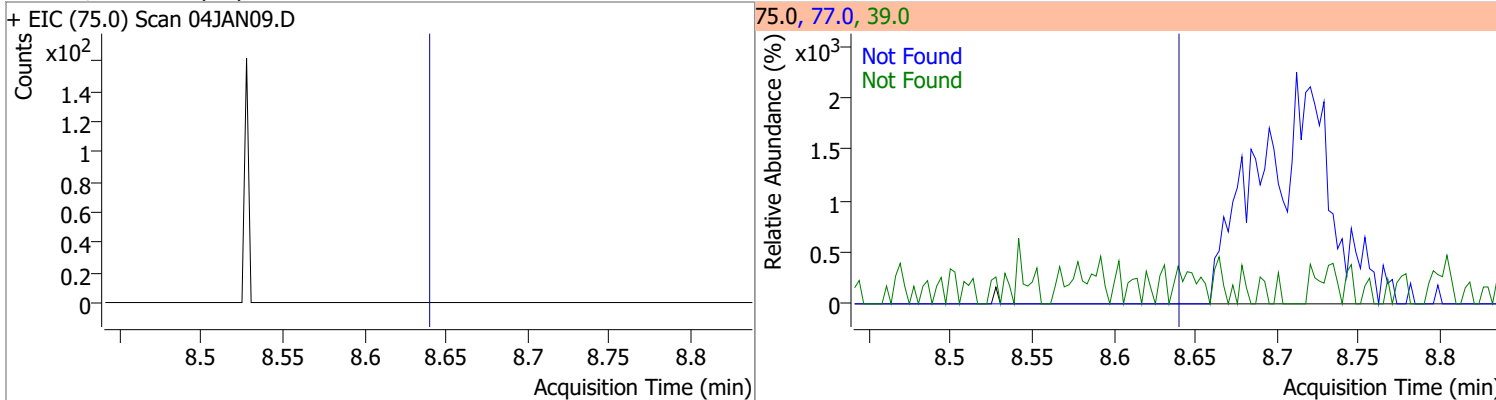
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 265.3436 | 8.32 | 0.00     | 770154 | 100.0 | 64.0   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.8    | 0.0   | 39.6  |



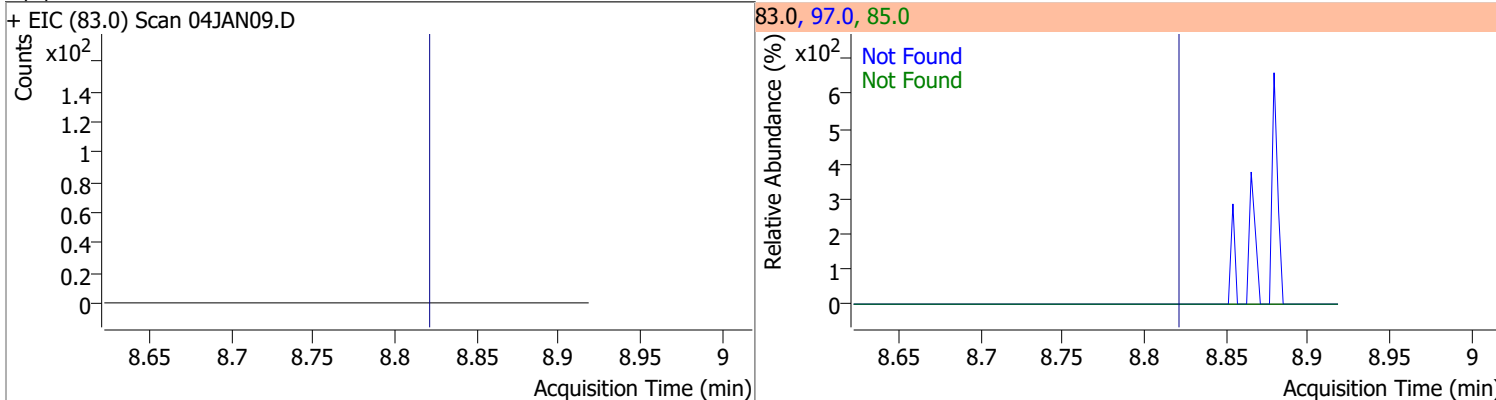
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Toluene  | N.D.  | 8.39   | 91.0 | 175.8     |



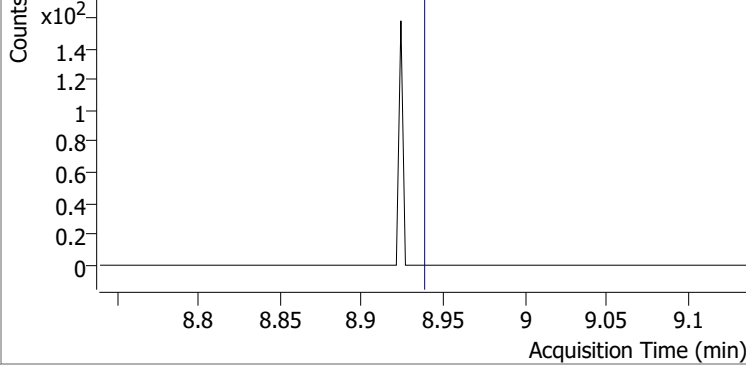
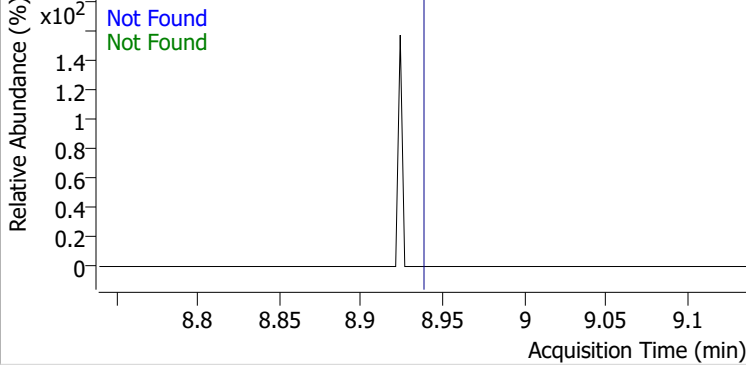
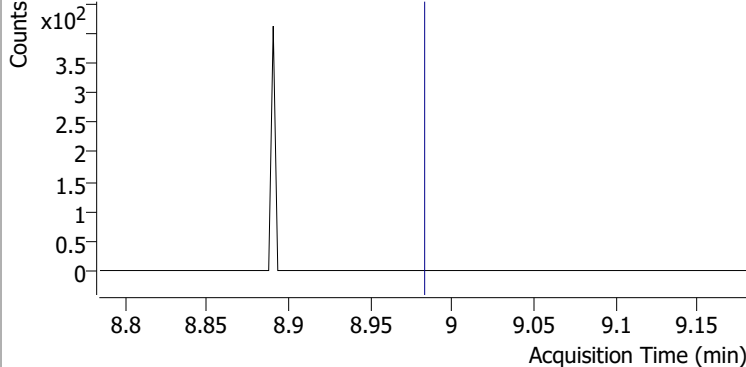
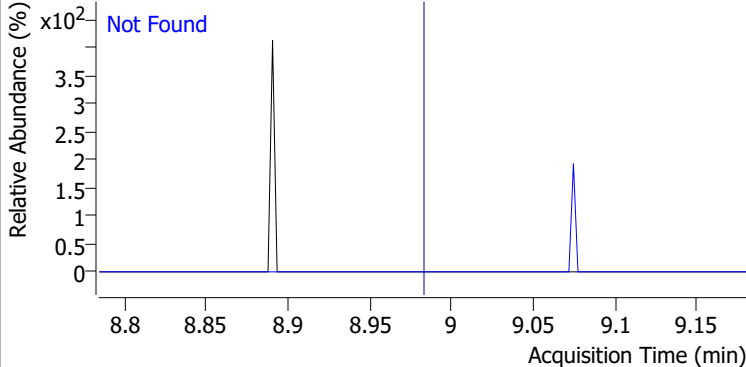
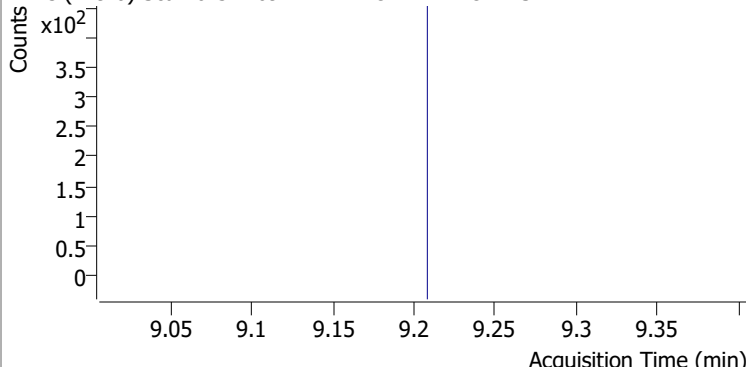
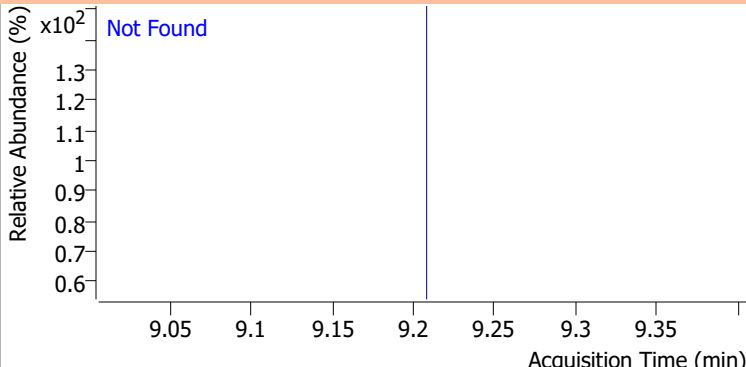
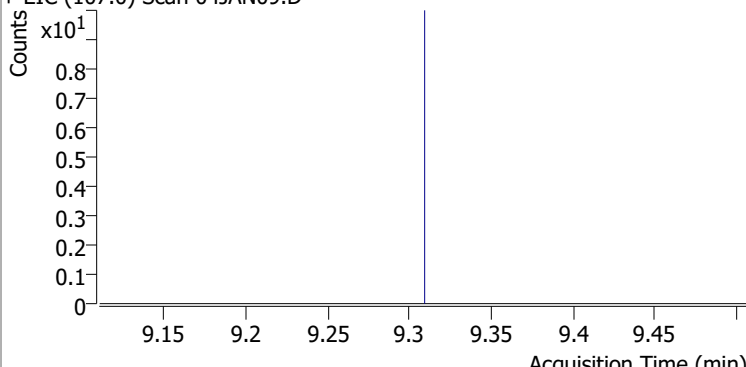
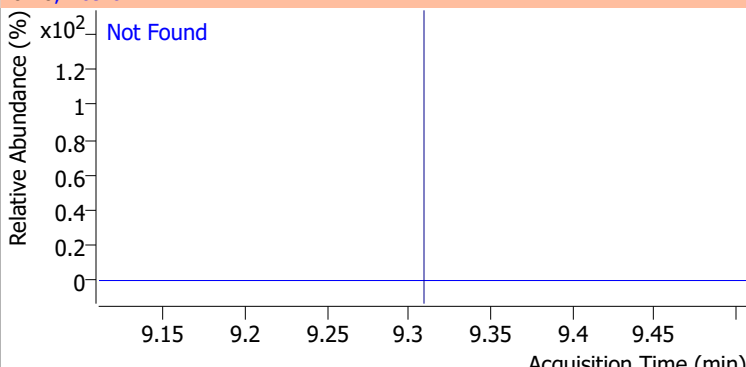
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



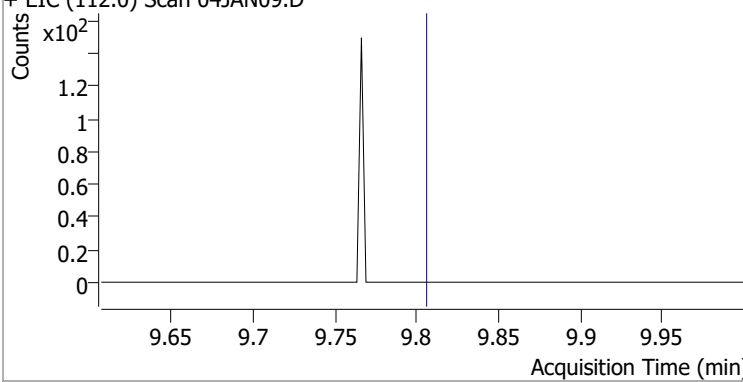
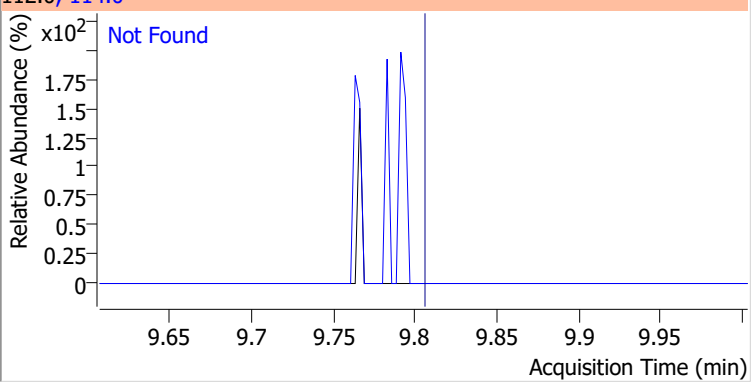
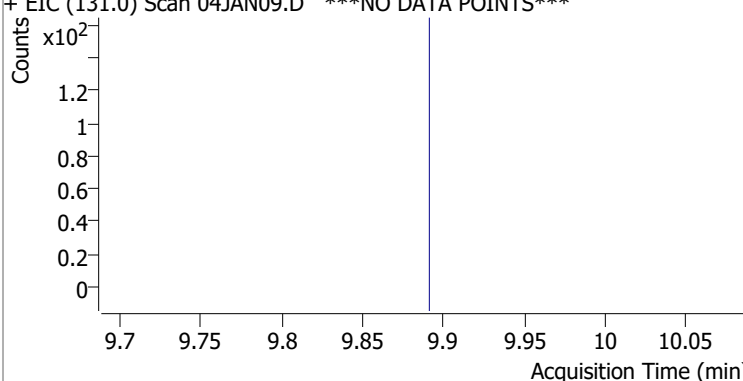
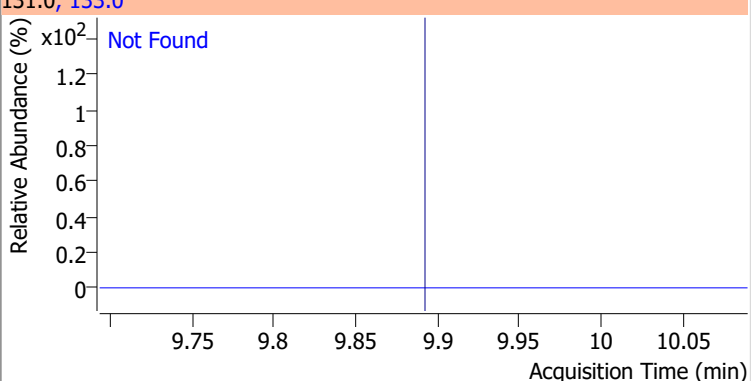
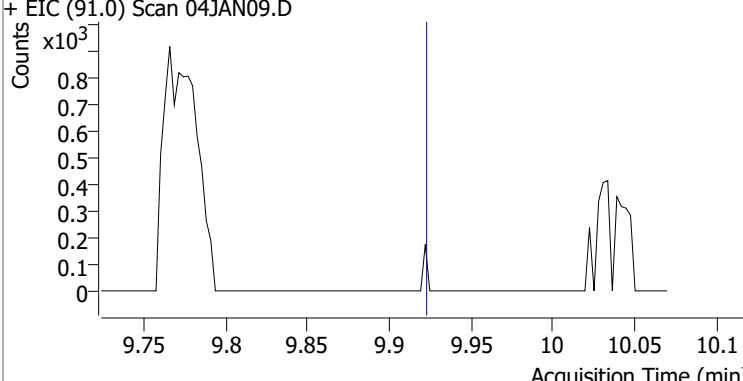
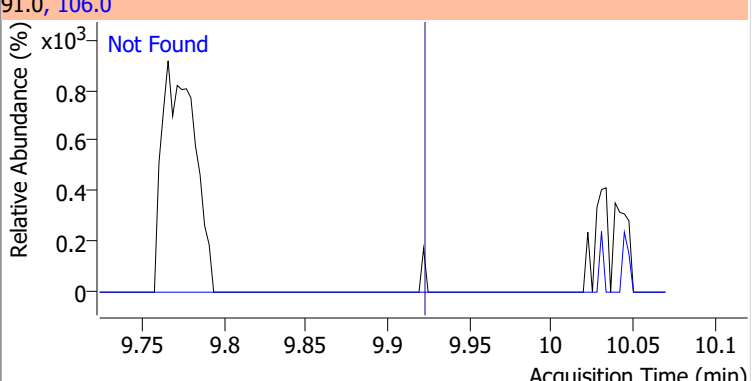
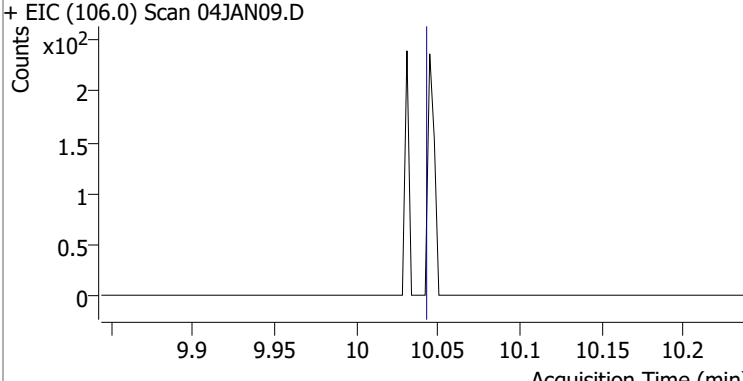
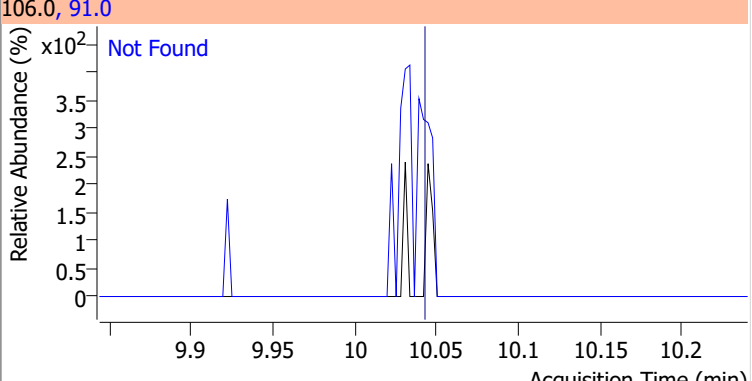
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |



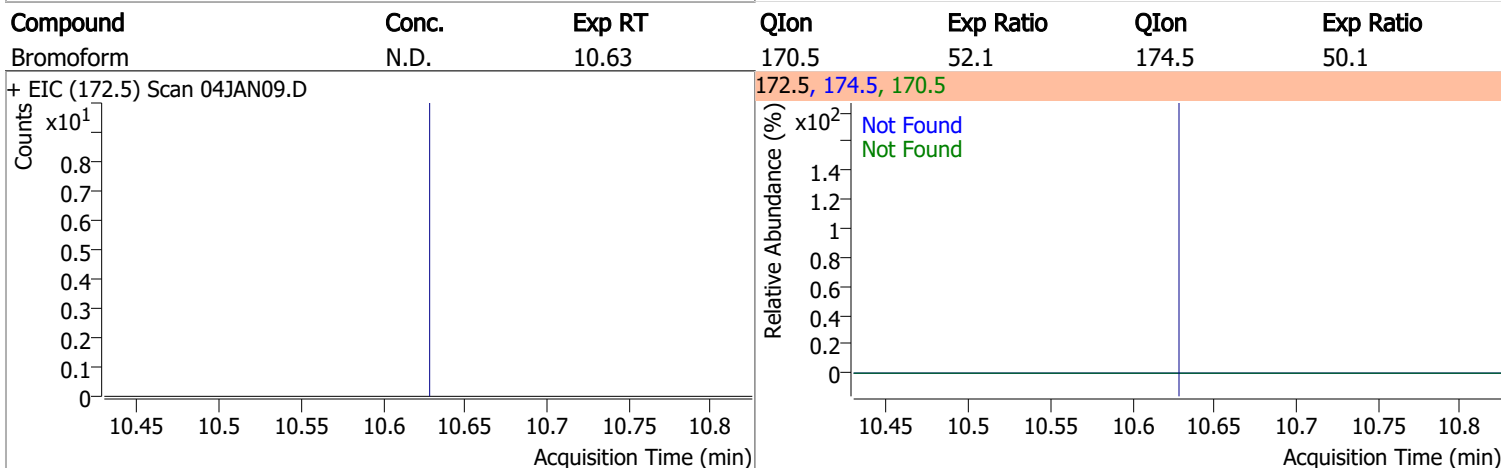
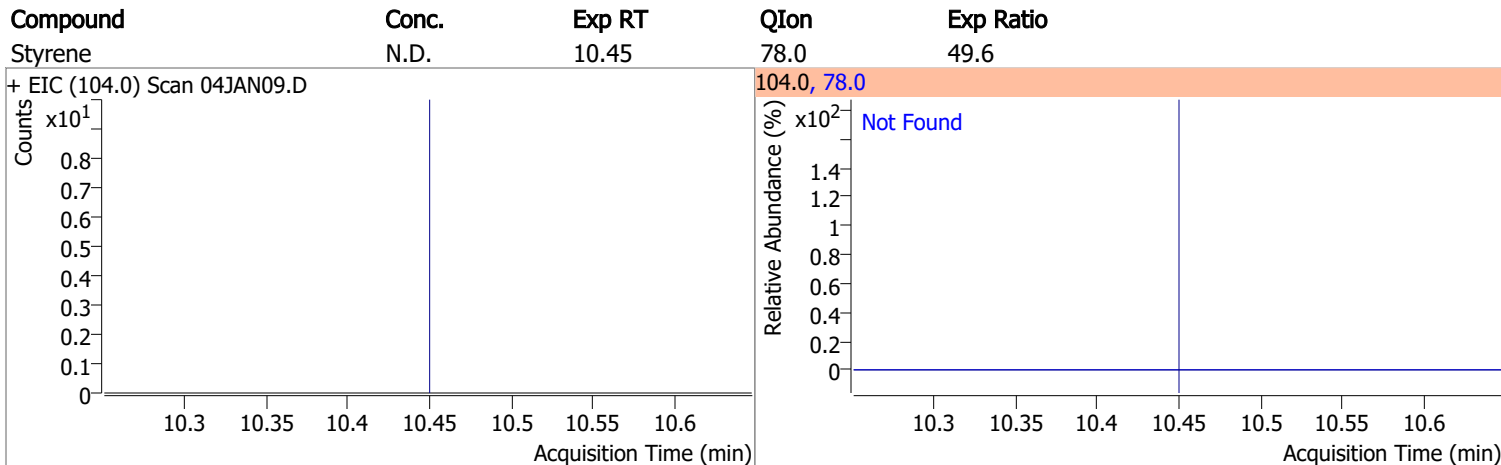
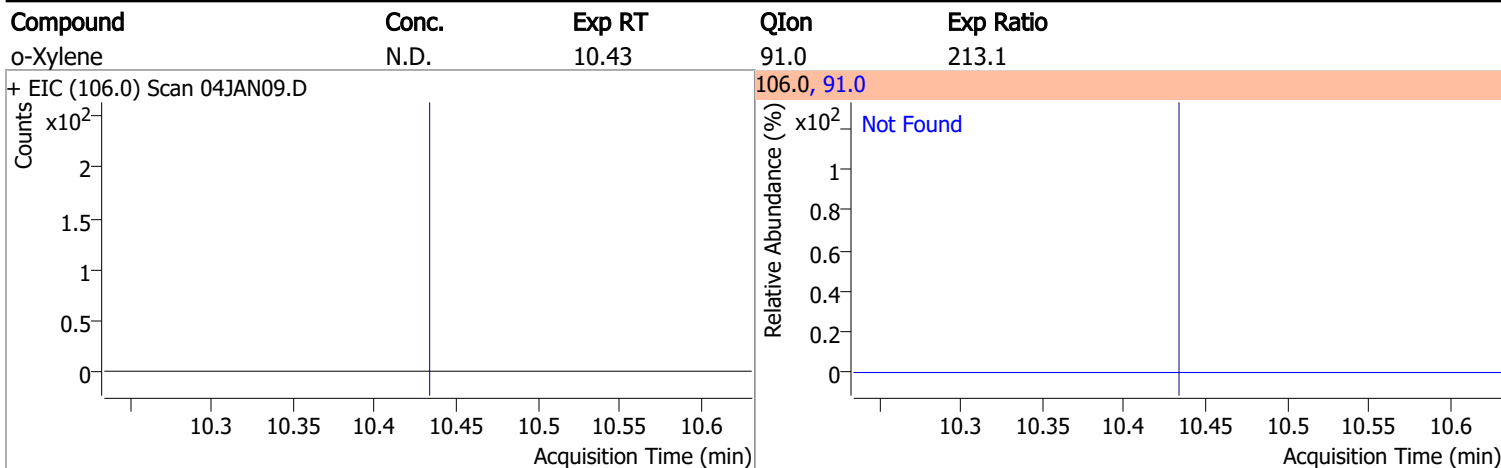
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Tetrachloroethene  | N.D.  | 8.94   | 165.8  | 128.6     | 129.0 | 91.5      |
| + EIC (163.8) Scan 04JAN09.D   |       |        | 163.8, 129.0, 165.8  |           |       |           |
|    |       |        |    |           |       |           |
| 1,3-Dichloropropane  | N.D.  | 8.98   | 78.0   | 32.9      |       |           |
| + EIC (76.0) Scan 04JAN09.D  |       |        | 76.0, 78.0   |           |       |           |
|   |       |        |   |           |       |           |
| Chlorodibromomethane   | N.D.  | 9.21   | 127.0  | 78.0      |       |           |
| + EIC (129.0) Scan 04JAN09.D ***NO DATA POINTS***                                  |       |        | 129.0, 127.0   |           |       |           |
|  |       |        |  |           |       |           |
| 1,2-Dibromoethane  | N.D.  | 9.31   | 109.0  | 94.5      |       |           |
| + EIC (107.0) Scan 04JAN09.D   |       |        | 107.0, 109.0   |           |       |           |
|  |       |        |  |           |       |           |

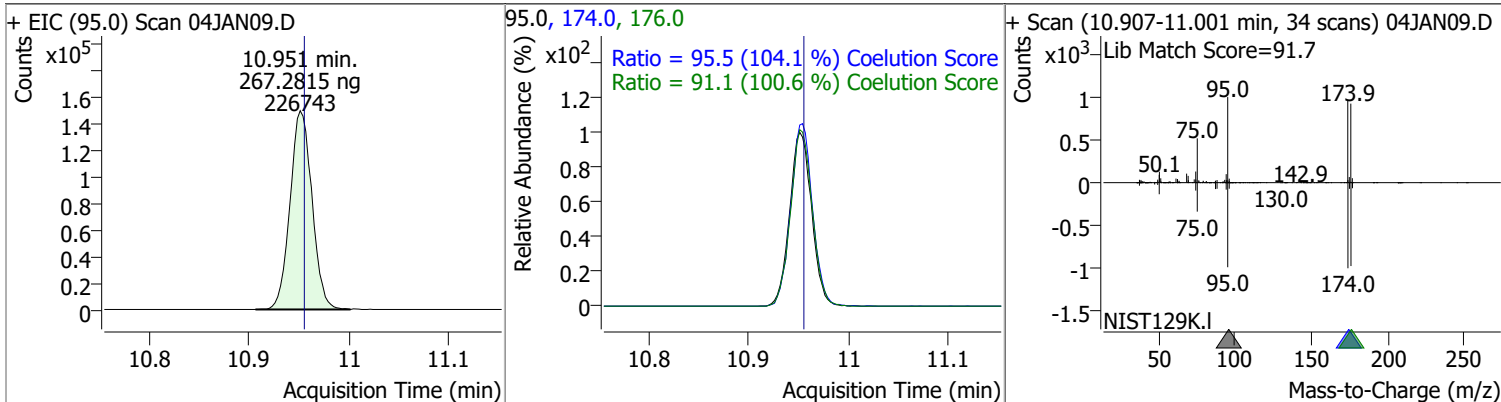
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon  | Exp Ratio |
|--|-------|--------|---|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0   | 32.1      |
| + EIC (112.0) Scan 04JAN09.D<br>                       |       |        | 112.0, 114.0<br>  |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0   | 98.6      |
| + EIC (131.0) Scan 04JAN09.D ***NO DATA POINTS***<br> |       |        | 131.0, 133.0<br> |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0   | 31.1      |
| + EIC (91.0) Scan 04JAN09.D<br>                      |       |        | 91.0, 106.0<br> |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0  | 201.4     |
| + EIC (106.0) Scan 04JAN09.D<br>                     |       |        | 106.0, 91.0<br> |           |

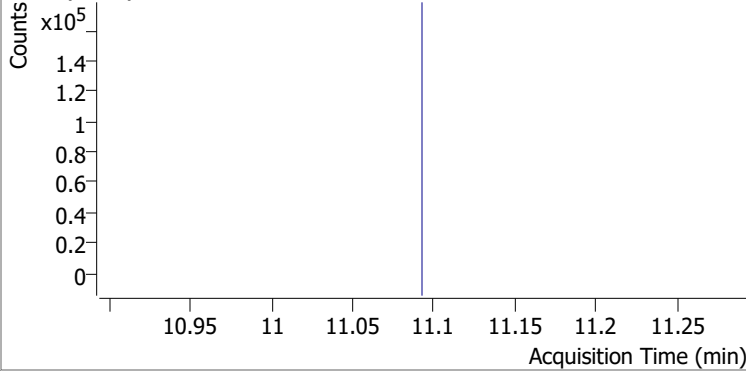
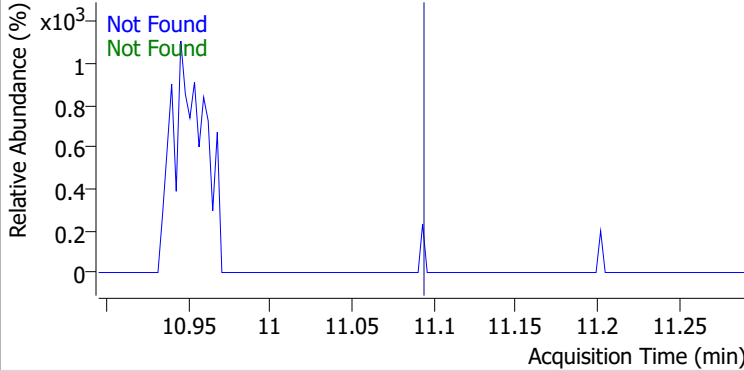
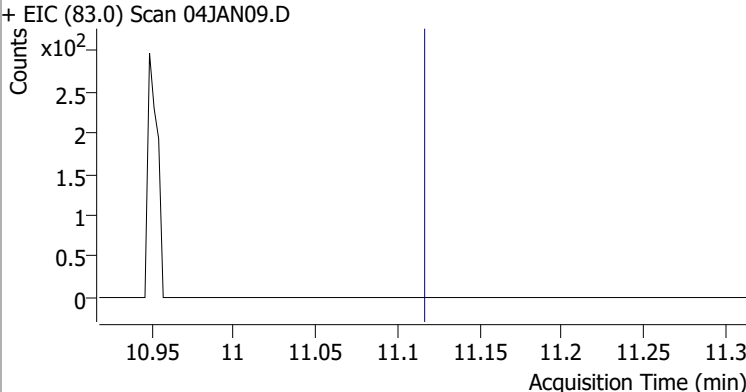
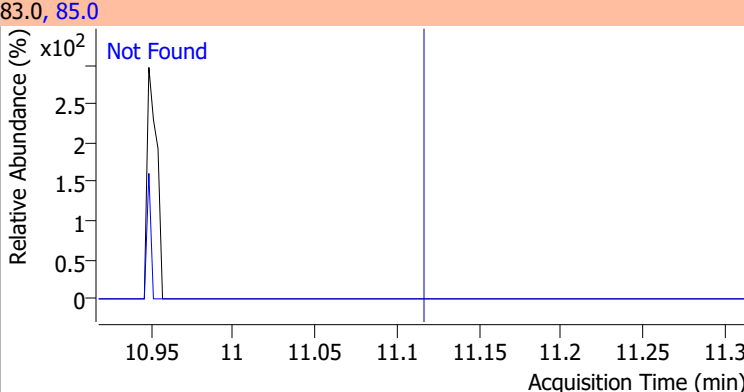
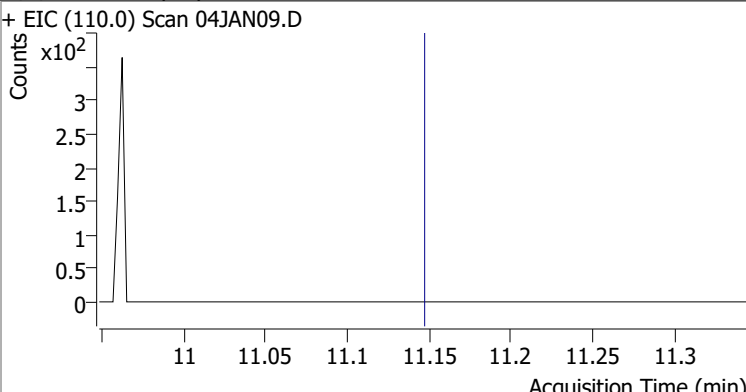
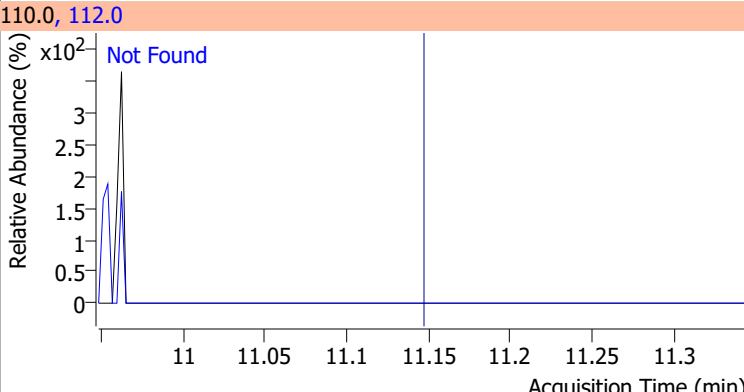
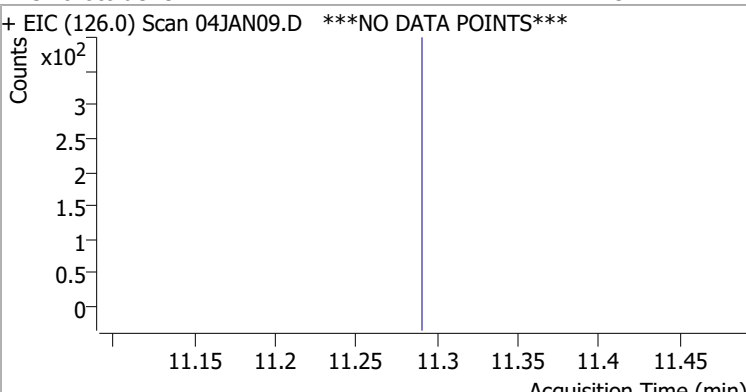
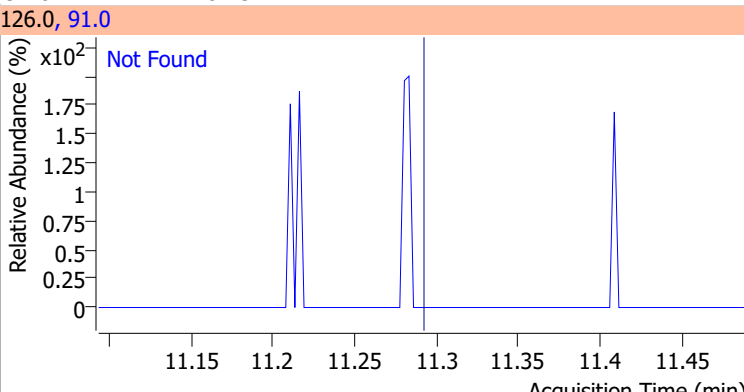
# Quantitation Results Report (QT Reviewed)



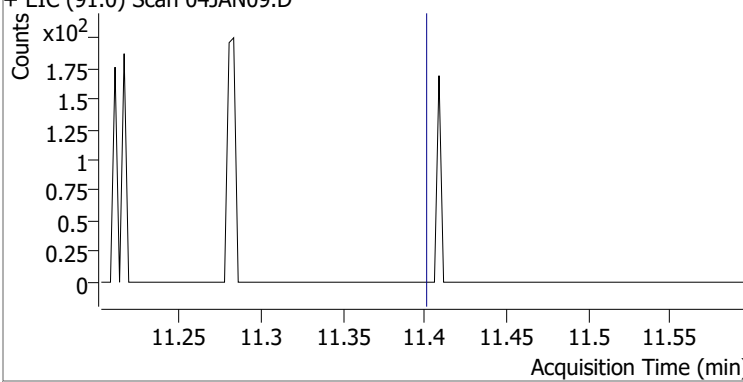
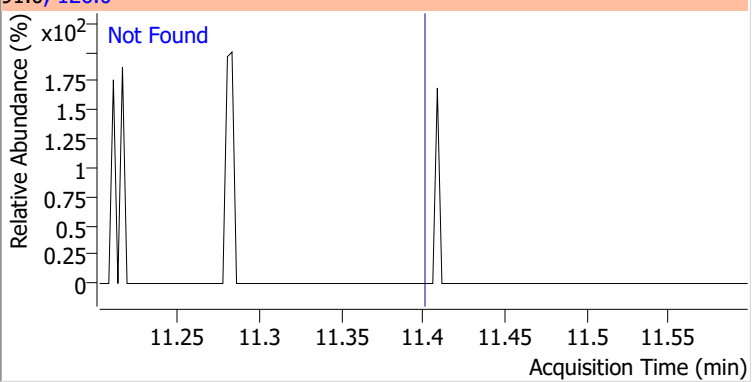
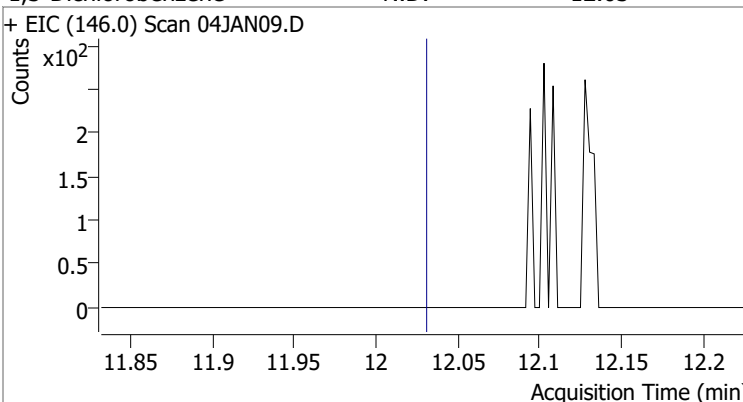
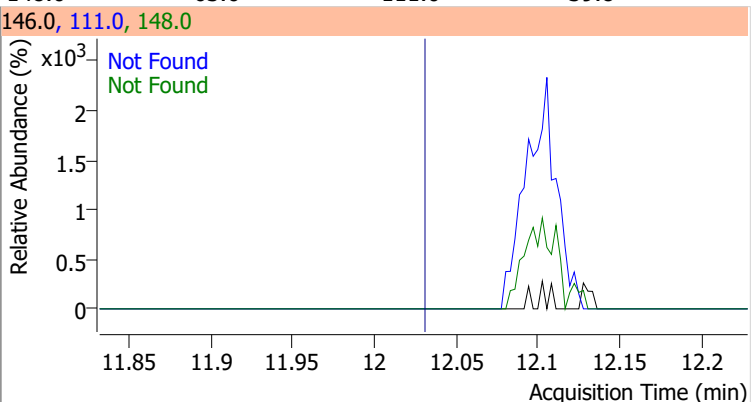
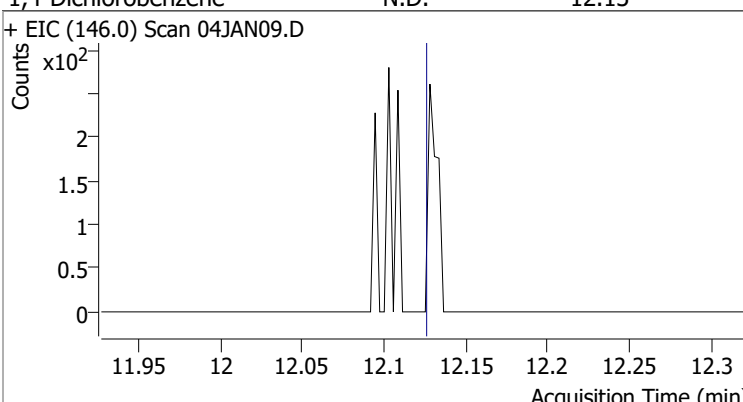
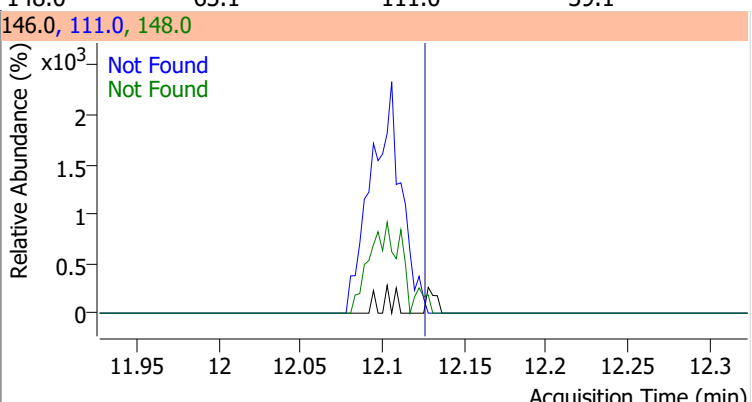
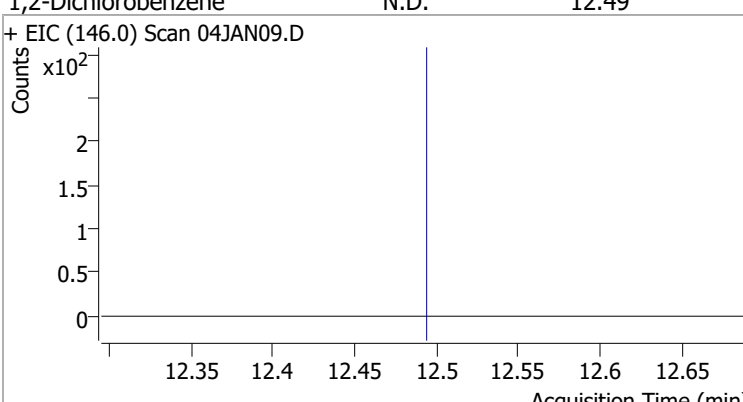
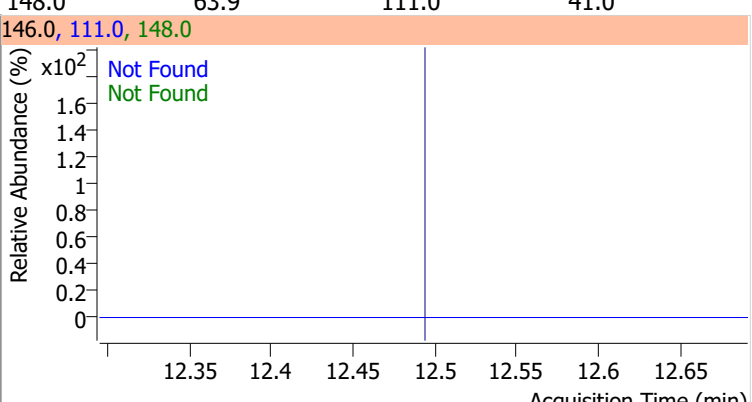
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 267.2815 | 10.95 | 0.00     | 226743 | 174.0 | 95.5   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 91.1   | 60.6  | 120.6 |



# Quantitation Results Report (QT Reviewed)

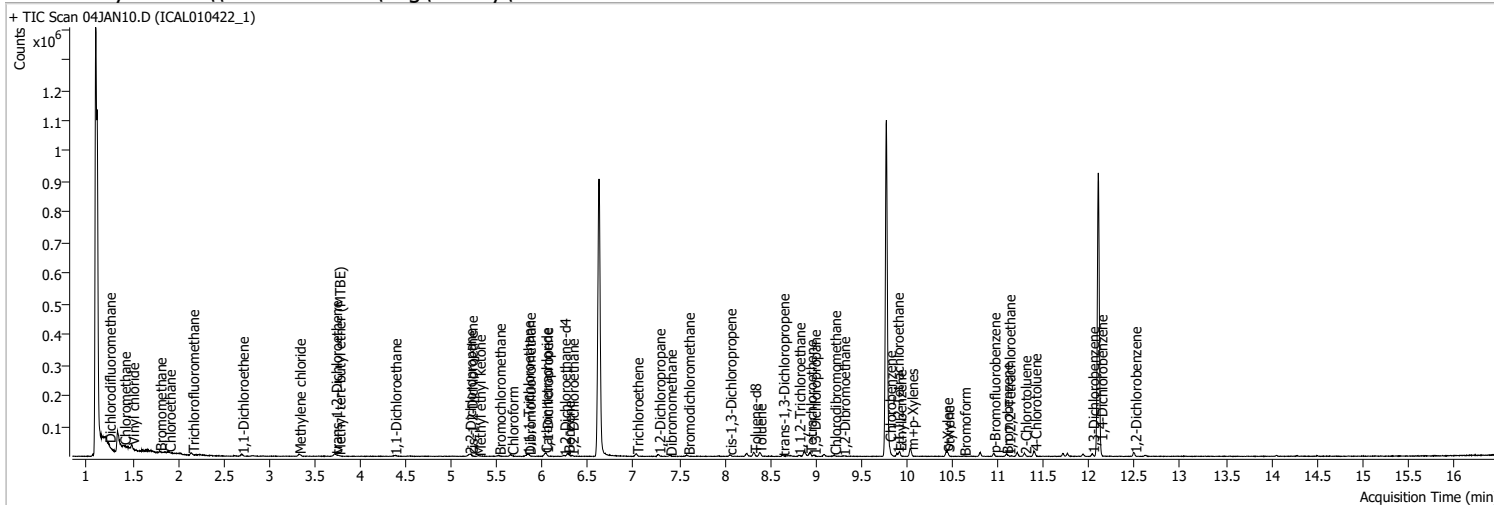
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 04JAN09.D ***NO DATA POINTS***                                  |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 04JAN09.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 04JAN09.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 04JAN09.D ***NO DATA POINTS***                                  |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 04JAN09.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 04JAN09.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 04JAN09.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 04JAN09.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN10.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 3:33:04 PM   |
| Sample Name    | ICAL010422_1                        | Instrument        | VOA5975C              |
| Vial           | 10                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.l |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.            | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                  |       |          |
| M Fluorobenzene                    | 6.621                | 96.0  | 770895 | 250.0000         | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.772                | 82.0  | 296081 | 250.0000         | ng    | 0.000    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 227879 | 250.0000         | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                  |       |          |
| S Dibromofluoromethane             | 5.851                | 113.0 | 2508   | 3.4533           | ng    | m 0.006  |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 1.38% | *     |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 923    | 2.9438           | ng    | m 0.000  |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 1.18% | *     |          |
| S Toluene-d8                       | 8.322                | 98.0  | 7777   | 2.7257           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 1.09% | *     |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 2719   | 3.2569           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 1.30% | *     |          |
| <b>Target Compounds</b>            |                      |       |        |                  |       |          |
| T Dichlorodifluoromethane          | 1.241                | 85.0  | 4353   | 4.3090           | ng    | 99       |
| T Chloromethane                    | 1.406                | 50.0  | 7435   | 6.0637           | ng    | 83       |
| T Vinyl chloride                   | 1.495                | 62.0  | 4274   | 3.8739           | ng    | 94       |
| T Bromomethane                     | 1.796                | 96.0  | 1902   | 3.8547           | ng    | m 88     |
| T Chloroethane                     | 1.899                | 64.0  | 2178   | 3.9871           | ng    | m 86     |
| T Trichlorofluoromethane           | 2.153                | 101.0 | 5030   | 3.6731           | ng    | 91       |
| T 1,1-Dichloroethene               | 2.700                | 96.0  | 2084   | 2.6839           | ng    | m 95     |
| T Methylene chloride               | 3.324                | 49.0  | 4095   | 3.5774           | ng    | 88       |
| T trans-1,2-Dichloroethene         | 3.723                | 96.0  | 2146   | 2.7090           | ng    | m 100    |
| T Methyl tert-butyl ether (MTBE)   | 3.759                | 73.0  | 2717   | 2.6532           | ng    | m 90     |
| T 1,1-Dichloroethane               | 4.376                | 63.0  | 3892   | 2.6393           | ng    | 91       |
| T 2,2-Dichloropropane              | 5.196                | 77.0  | 2930   | 2.6520           | ng    | m 88     |
| T cis-1,2-Dichloroethene           | 5.212                | 96.0  | 2376   | 2.9581           | ng    | m 95     |
| T Methyl ethyl ketone              | 5.302                | 43.0  | 3035   | 27.8967          | ng    | 85       |
| T Bromochloromethane               | 5.522                | 128.0 | 807    | 2.4260           | ng    | m 82     |
| T Chloroform                       | 5.659                | 83.0  | 4248   | 2.8946           | ng    | 97       |

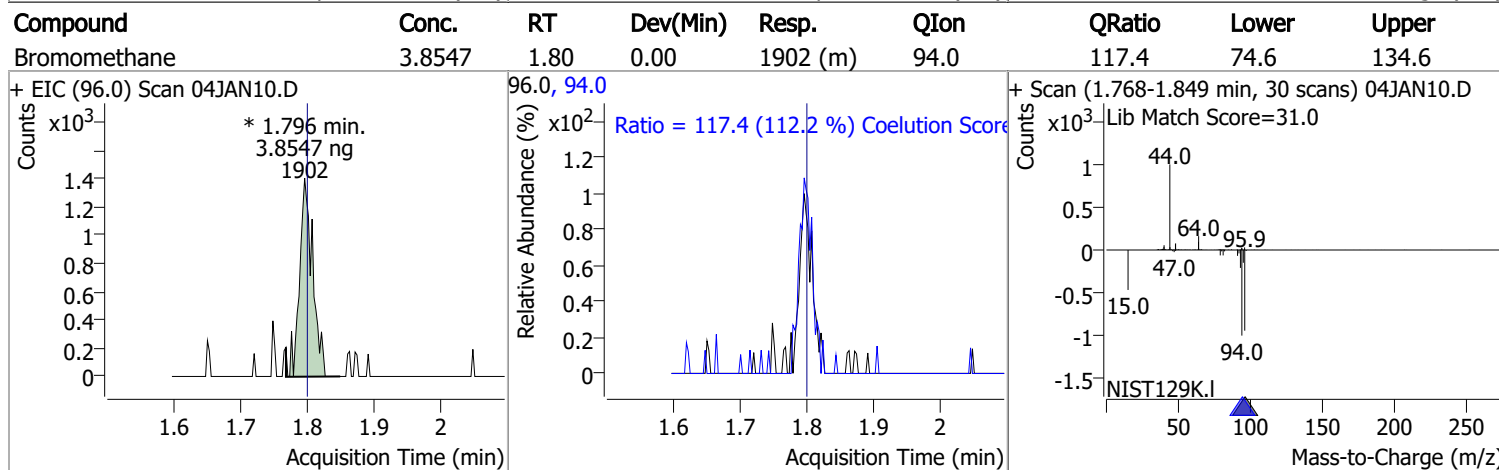
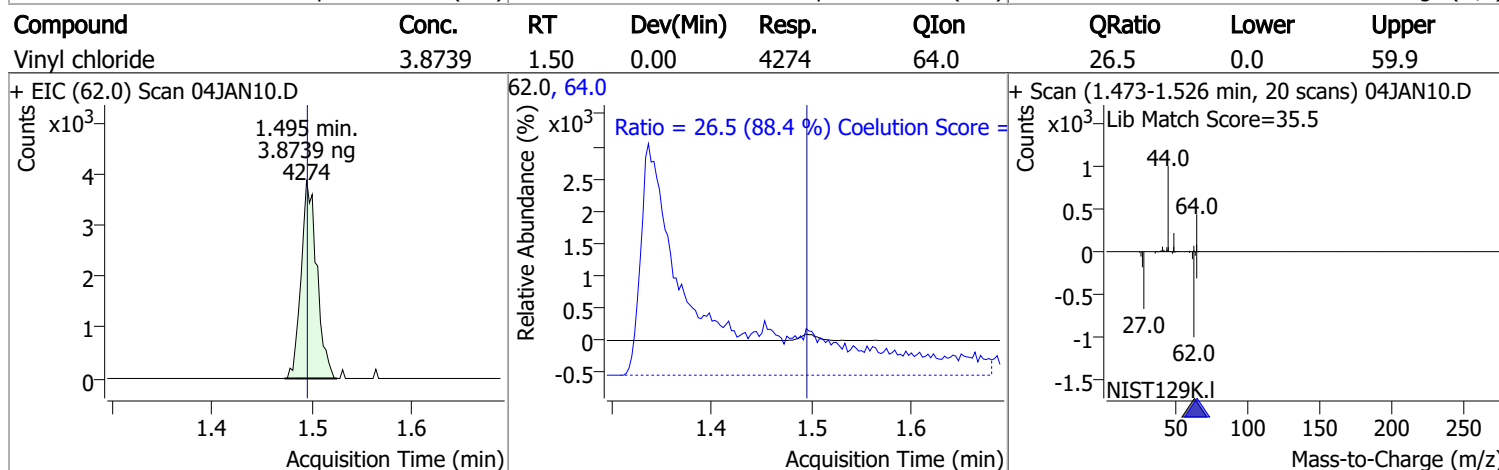
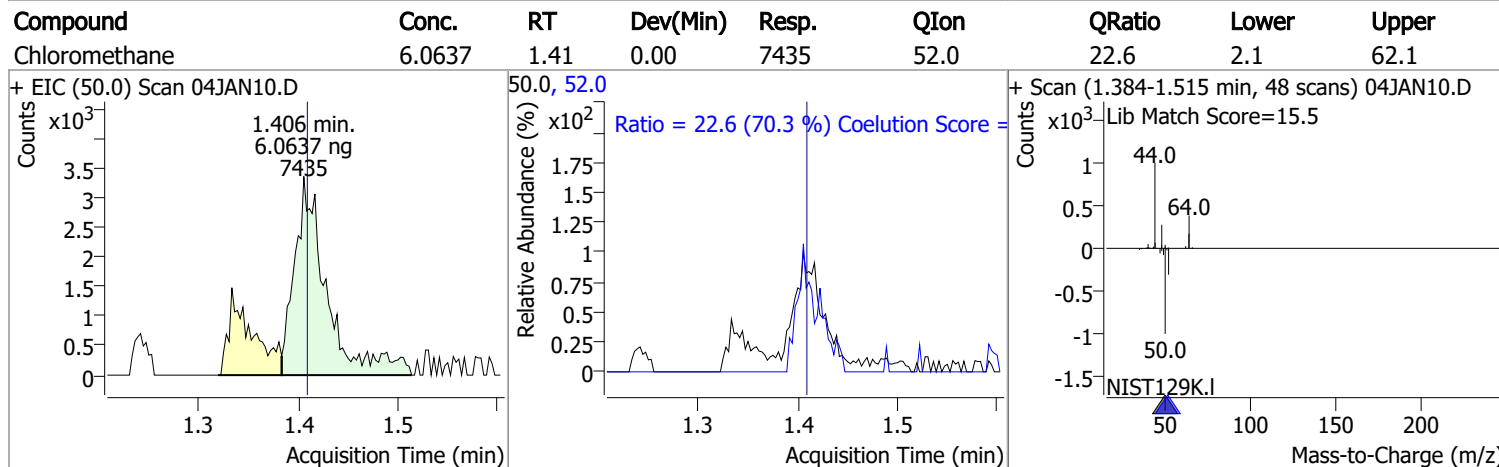
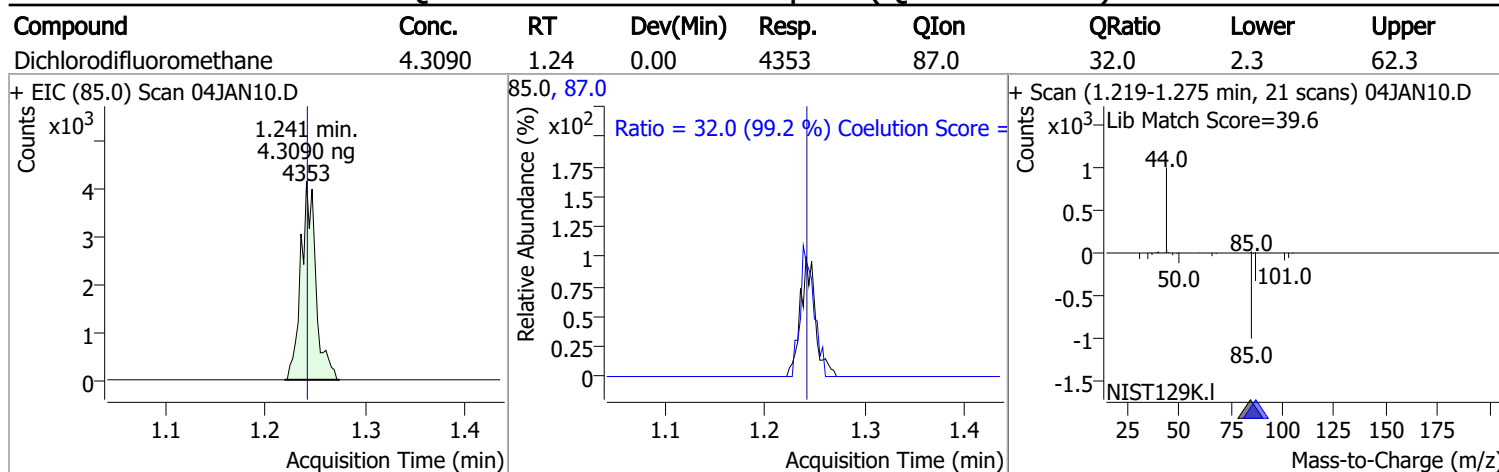
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.  | Units | Dev(Min) |
|-----------------------------|--------|-------|-------|--------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.831  | 97.0  | 3510  | 2.5521 | ng    | 99       |
| T Carbon tetrachloride      | 6.029  | 117.0 | 4342  | 3.2043 | ng    | 77       |
| T 1,1-Dichloropropene       | 6.041  | 75.0  | 2830  | 2.4201 | ng    | 91       |
| T Benzene                   | 6.278  | 78.0  | 8408  | 2.7393 | ng    | 98       |
| T 1,2-Dichloroethane        | 6.322  | 62.0  | 2415  | 2.9090 | ng m  | 96       |
| T Trichloroethene           | 7.033  | 95.0  | 2372  | 2.6564 | ng m  | 93       |
| T 1,2-Dichloropropane       | 7.273  | 63.0  | 2148  | 2.7347 | ng    | 93       |
| T Dibromomethane            | 7.396  | 93.0  | 902   | 2.7162 | ng m  | 88       |
| T Bromodichloromethane      | 7.597  | 83.0  | 2536  | 2.7684 | ng    | 98       |
| T cis-1,3-Dichloropropene   | 8.054  | 75.0  | 2583  | 2.4939 | ng    | 94       |
| T Toluene                   | 8.380  | 92.0  | 5039  | 2.6145 | ng    | 93       |
| T trans-1,3-Dichloropropene | 8.634  | 75.0  | 1470  | 1.9942 | ng m  | 83       |
| T 1,1,2-Trichloroethane     | 8.810  | 83.0  | 960   | 2.5012 | ng m  | 89       |
| T Tetrachloroethene         | 8.932  | 163.8 | 2105  | 2.6772 | ng m  | 95       |
| T 1,3-Dichloropropane       | 8.977  | 76.0  | 2257  | 2.9881 | ng    | 77       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 1468  | 2.4461 | ng m  | 100      |
| T 1,2-Dibromoethane         | 9.300  | 107.0 | 1299  | 3.0943 | ng m  | 85       |
| T Chlorobenzene             | 9.805  | 112.0 | 5771  | 2.7350 | ng    | 100      |
| T 1,1,1,2-Tetrachloroethane | 9.889  | 131.0 | 1893  | 2.5659 | ng m  | 98       |
| T Ethylbenzene              | 9.920  | 91.0  | 9283  | 2.5367 | ng    | 93       |
| T m+p-Xylenes               | 10.045 | 106.0 | 7212  | 5.0712 | ng    | 88       |
| T o-Xylene                  | 10.430 | 106.0 | 3330  | 2.6303 | ng #  | 80       |
| T Styrene                   | 10.444 | 104.0 | 4408  | 2.1625 | ng    | 98       |
| T Bromoform                 | 10.625 | 172.5 | 708   | 2.4287 | ng m  | 87       |
| T Bromobenzene              | 11.088 | 156.0 | 2024  | 2.7439 | ng m  | 94       |
| T 1,1,2,2-Tetrachloroethane | 11.113 | 83.0  | 1142  | 2.6916 | ng m  | 92       |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.   |       |          |
| T 2-Chlorotoluene           | 11.292 | 126.0 | 1844  | 2.5124 | ng m  | 97       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 5419  | 2.2650 | ng    | 96       |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 3541  | 2.6327 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.125 | 146.0 | 3787  | 2.7613 | ng    | 90       |
| T 1,2-Dichlorobenzene       | 12.499 | 146.0 | 3104  | 2.7307 | ng    | 96       |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

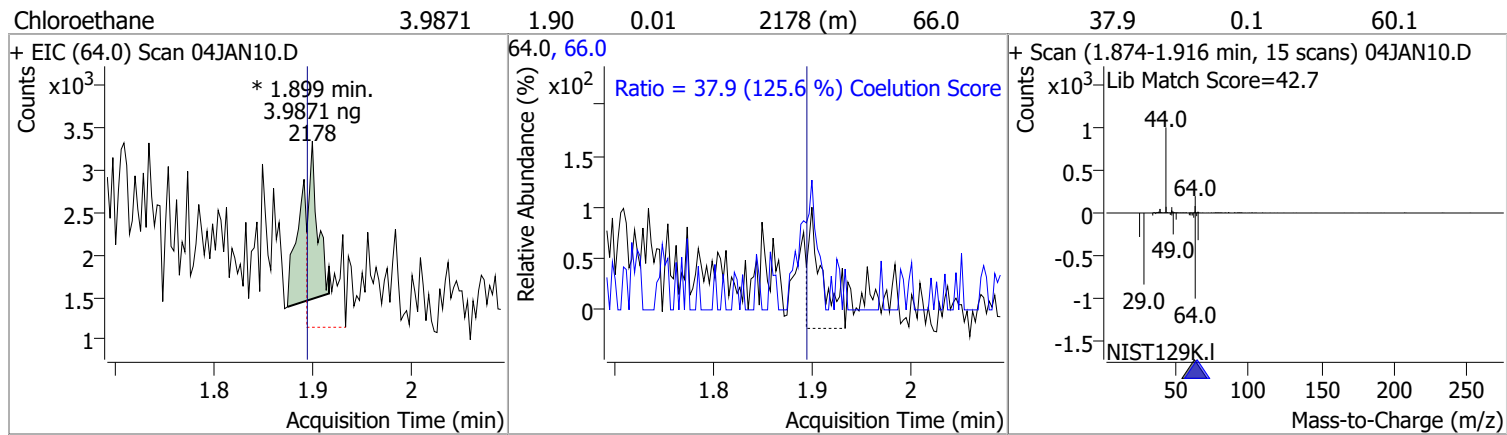


# Quantitation Results Report (QT Reviewed)

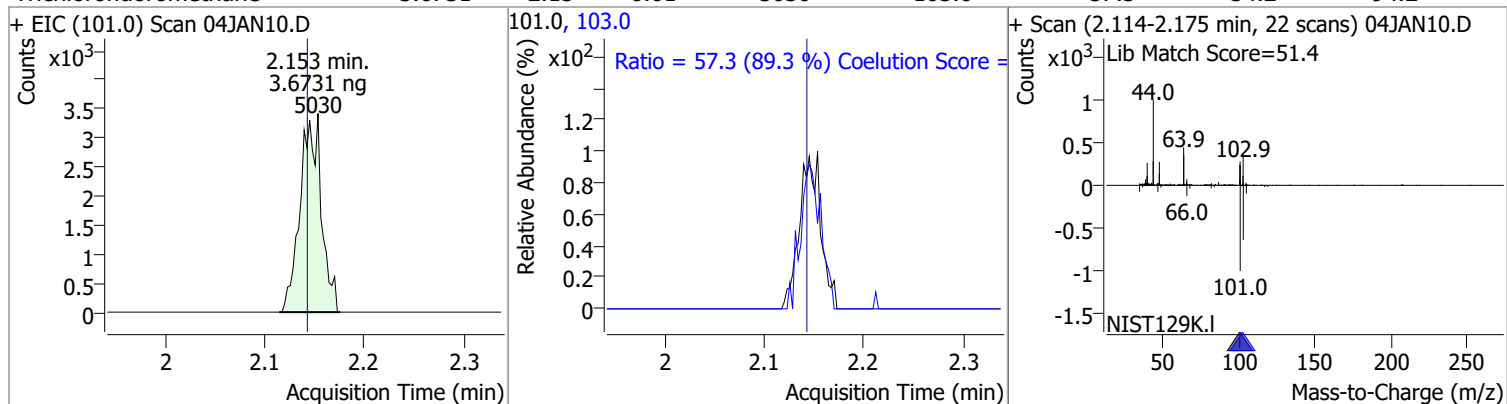


# Quantitation Results Report (QT Reviewed)

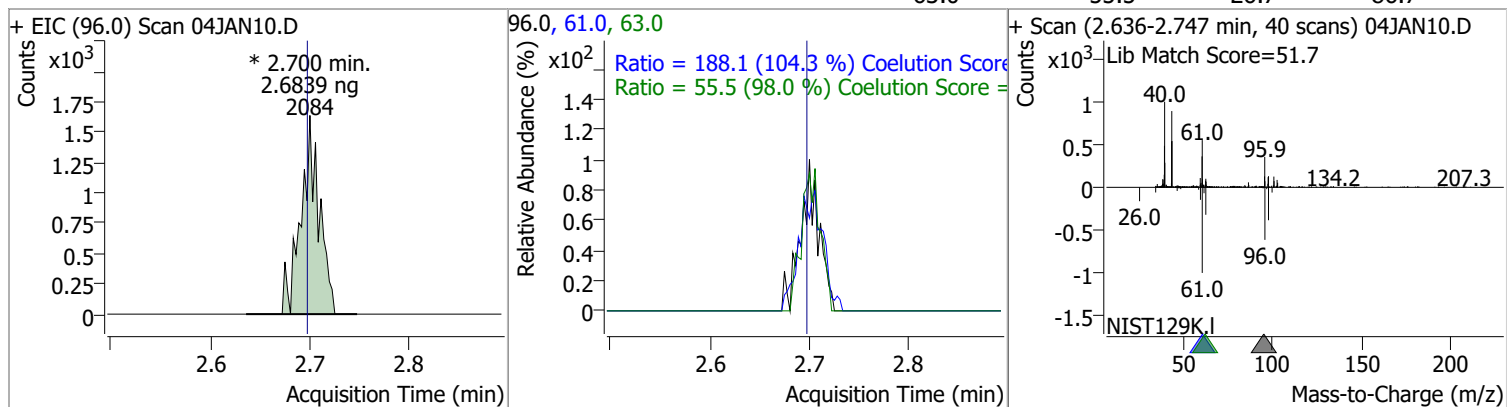
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



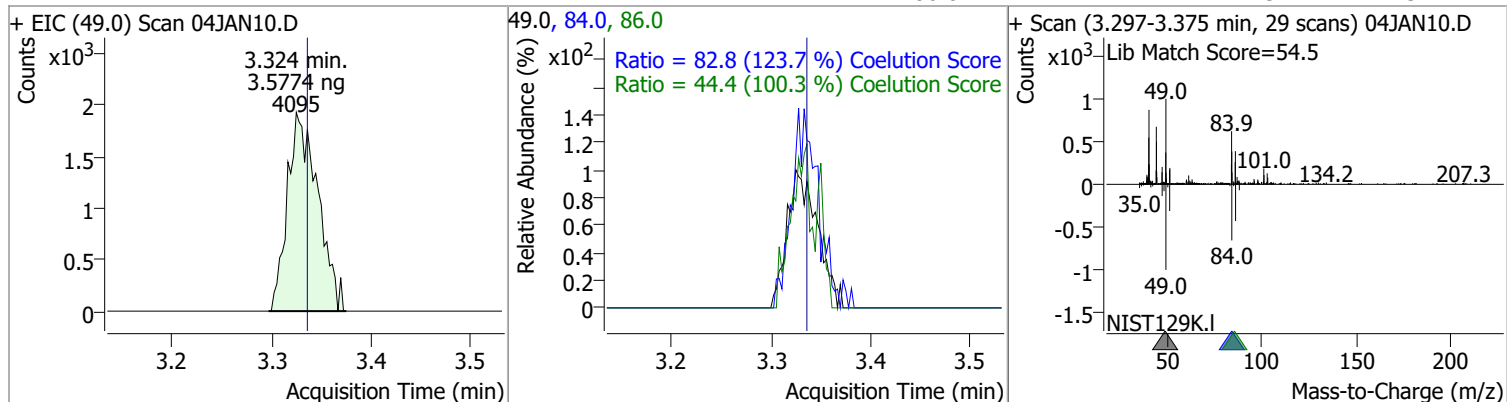
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

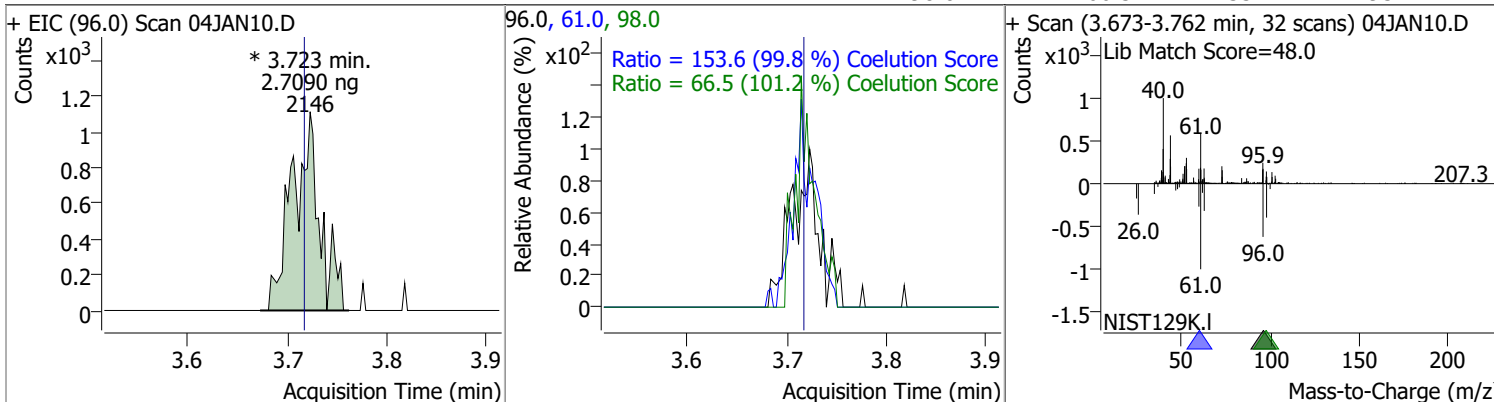


| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

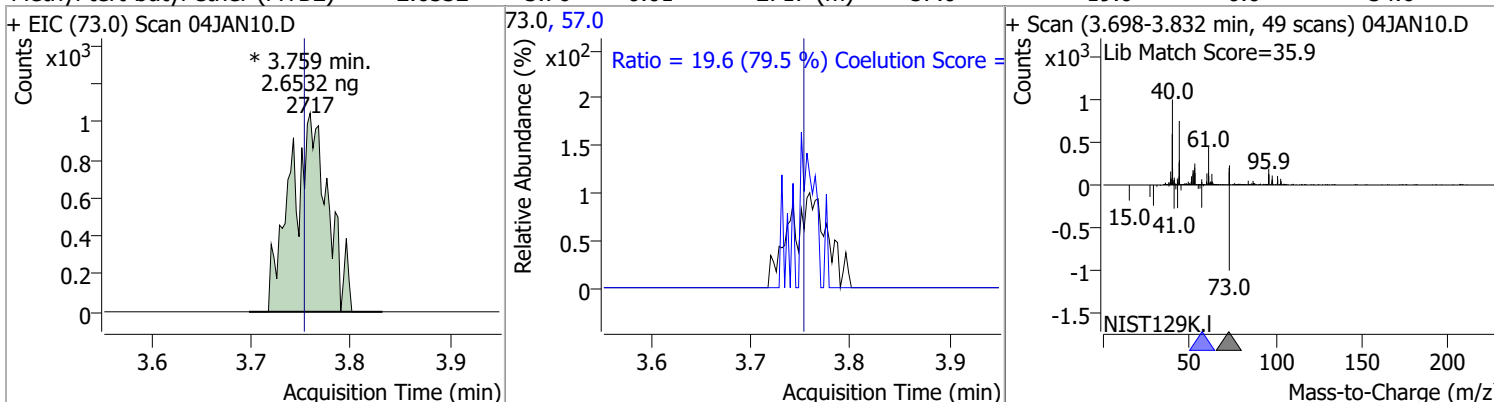


# Quantitation Results Report (QT Reviewed)

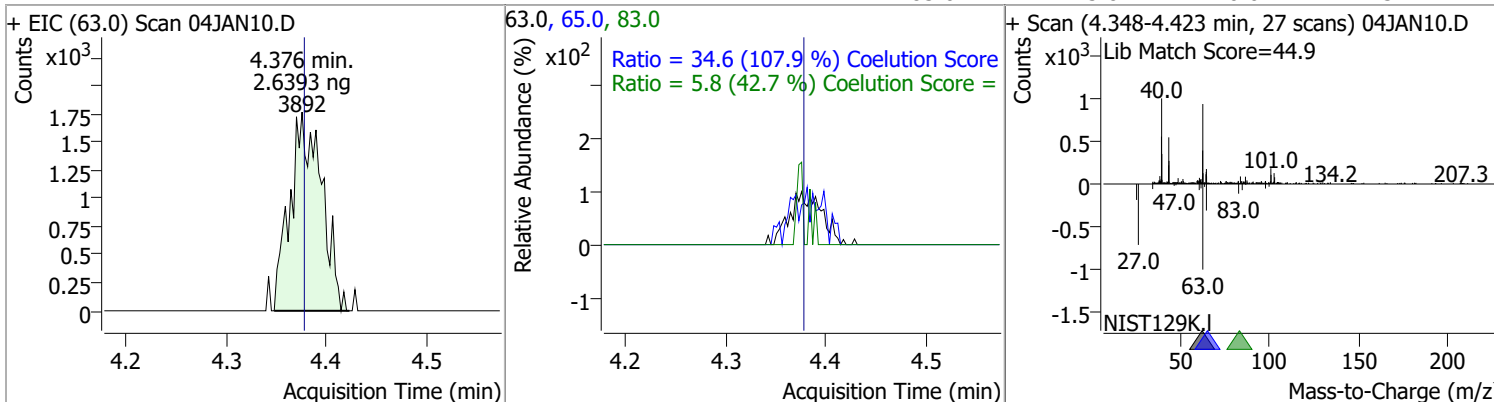
| Compound                 | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------------|--------|------|----------|----------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 2.7090 | 3.72 | 0.01     | 2146 (m) | 61.0 | 153.6  | 123.9 | 183.9 |
|                          |        |      |          |          | 98.0 | 66.5   | 35.7  | 95.7  |



| Compound                       | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 2.6532 | 3.76 | 0.01     | 2717 (m) | 57.0 | 19.6   | 0.0   | 54.6  |
|                                |        |      |          |          |      |        |       |       |

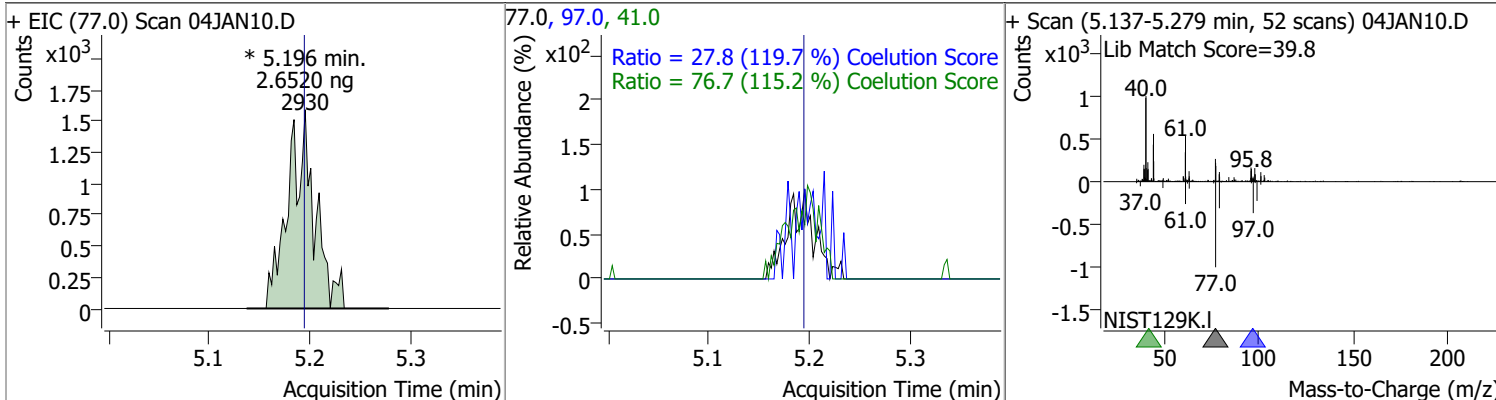


| Compound           | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|-------|------|--------|-------|-------|
| 1,1-Dichloroethane | 2.6393 | 4.38 | 0.00     | 3892  | 65.0 | 34.6   | 2.1   | 62.1  |
|                    |        |      |          |       | 83.0 | 5.8    | 0.0   | 43.7  |

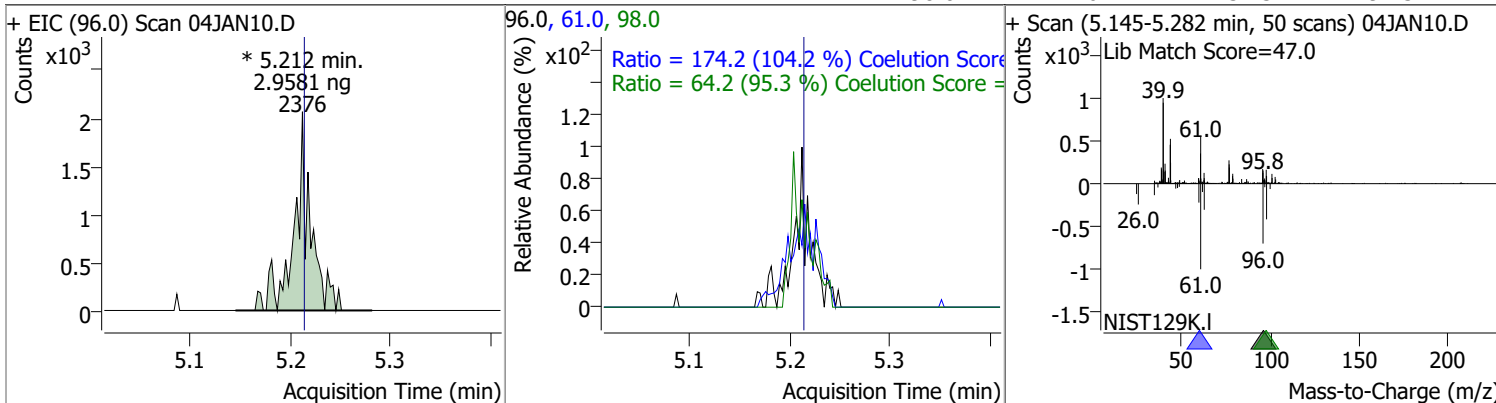


# Quantitation Results Report (QT Reviewed)

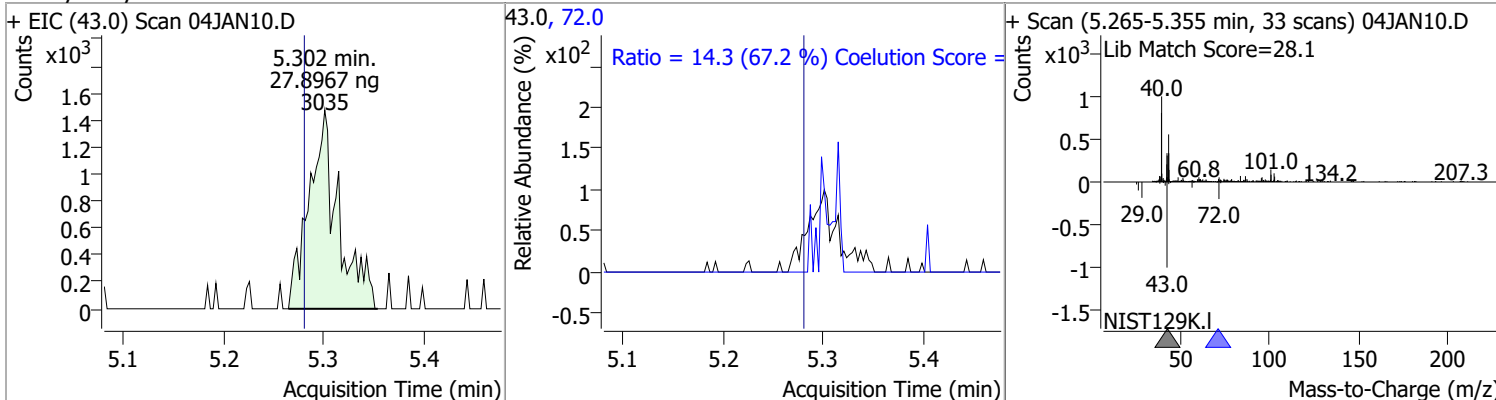
| Compound            | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------------|--------|------|----------|----------|------|--------|-------|-------|
| 2,2-Dichloropropane | 2.6520 | 5.20 | 0.00     | 2930 (m) | 41.0 | 76.7   | 36.5  | 96.5  |
|                     |        |      |          |          | 97.0 | 27.8   | 0.0   | 53.2  |



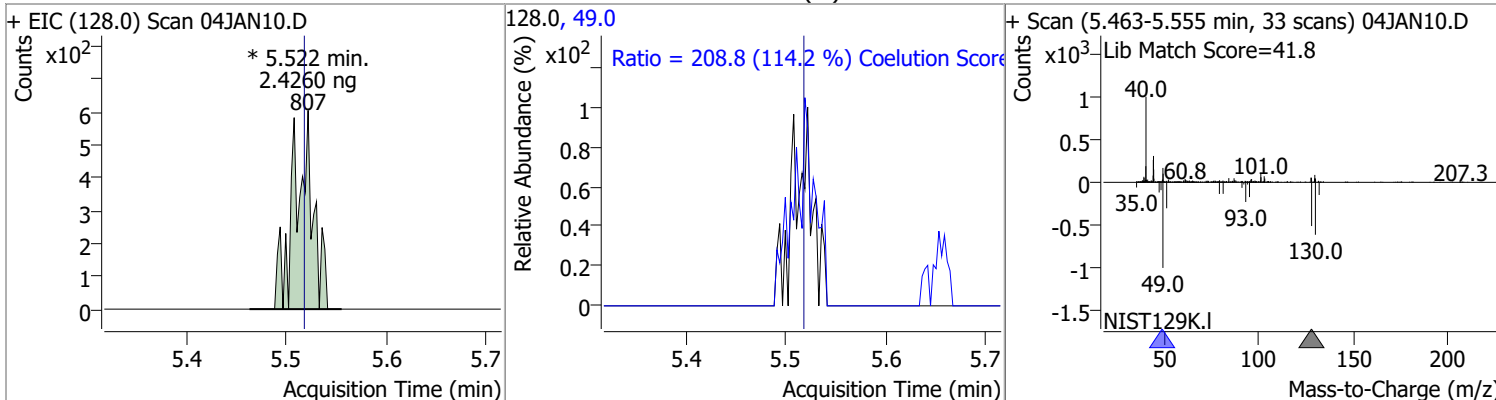
| Compound               | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|------------------------|--------|------|----------|----------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 2.9581 | 5.21 | 0.00     | 2376 (m) | 61.0 | 174.2  | 137.2 | 197.2 |
|                        |        |      |          |          | 98.0 | 64.2   | 37.3  | 97.3  |



| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| Methyl ethyl ketone | 27.8967 | 5.30 | 0.02     | 3035  | 72.0 | 14.3   | 0.0   | 51.3  |

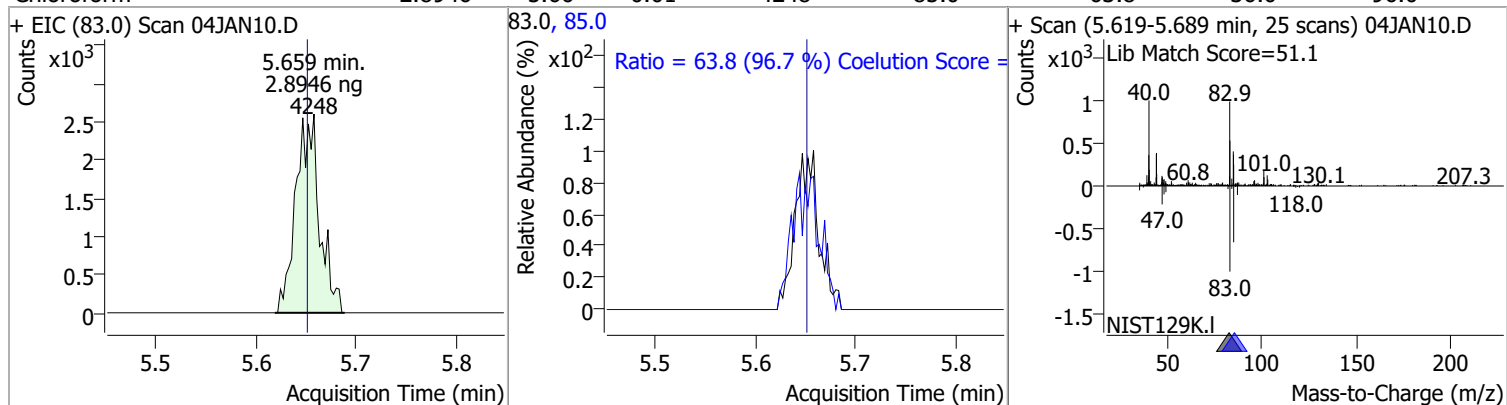


| Compound           | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|---------|------|--------|-------|-------|
| Bromochloromethane | 2.4260 | 5.52 | 0.00     | 807 (m) | 49.0 | 208.8  | 152.9 | 212.9 |

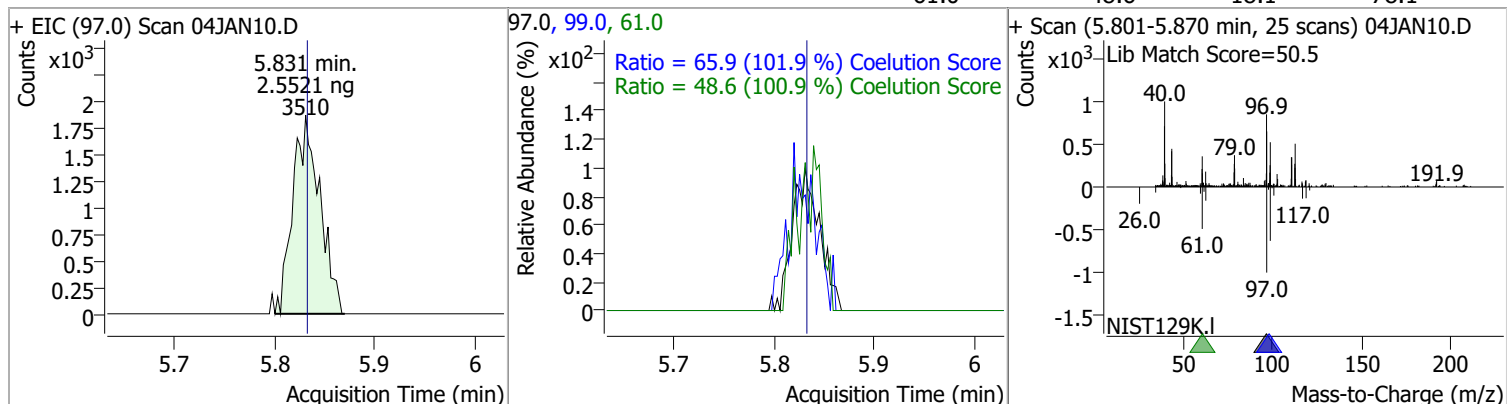


# Quantitation Results Report (QT Reviewed)

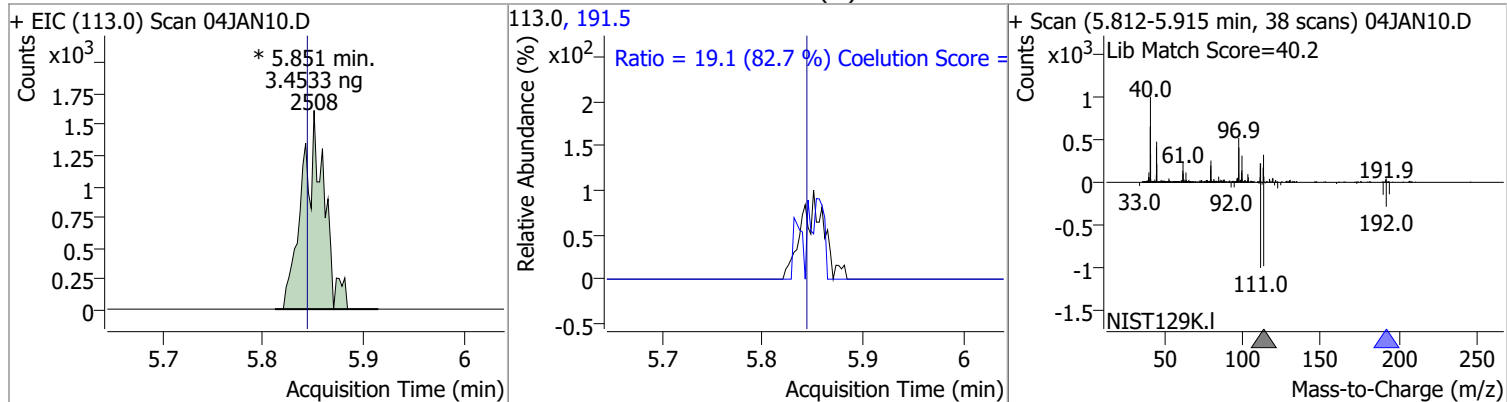
| Compound   | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|-------|------|--------|-------|-------|
| Chloroform | 2.8946 | 5.66 | 0.01     | 4248  | 85.0 | 63.8   | 36.0  | 96.0  |



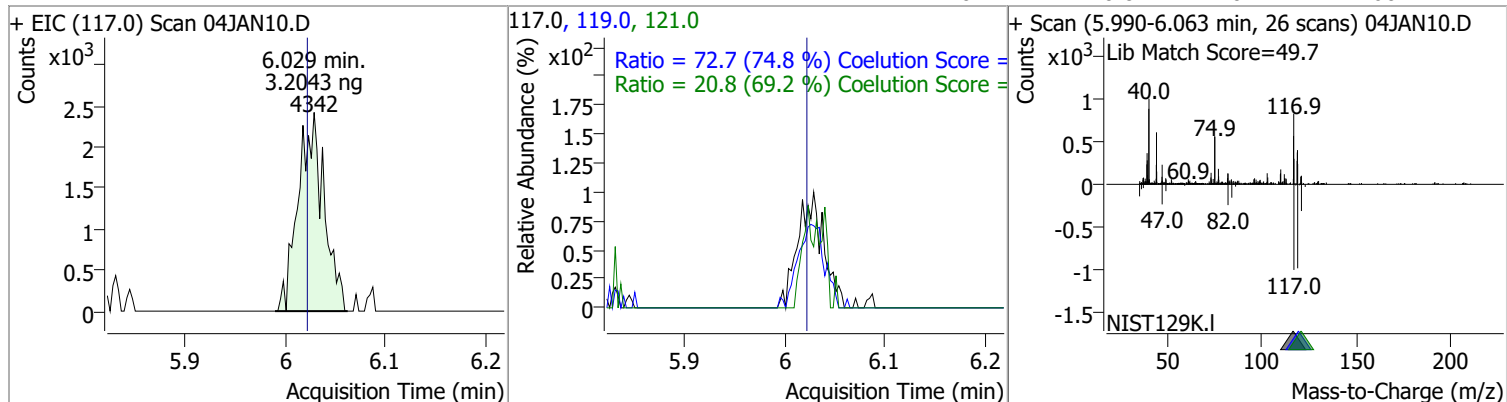
| Compound              | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|--------|------|----------|-------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 2.5521 | 5.83 | 0.00     | 3510  | 99.0 | 65.9   | 34.7  | 94.7  |
|                       |        |      |          |       | 61.0 | 48.6   | 18.1  | 78.1  |



| Compound             | Conc.  | RT   | Dev(Min) | Resp.    | QIon  | QRatio | Lower | Upper |
|----------------------|--------|------|----------|----------|-------|--------|-------|-------|
| Dibromofluoromethane | 3.4533 | 5.85 | 0.01     | 2508 (m) | 191.5 | 19.1   | 0.0   | 53.1  |

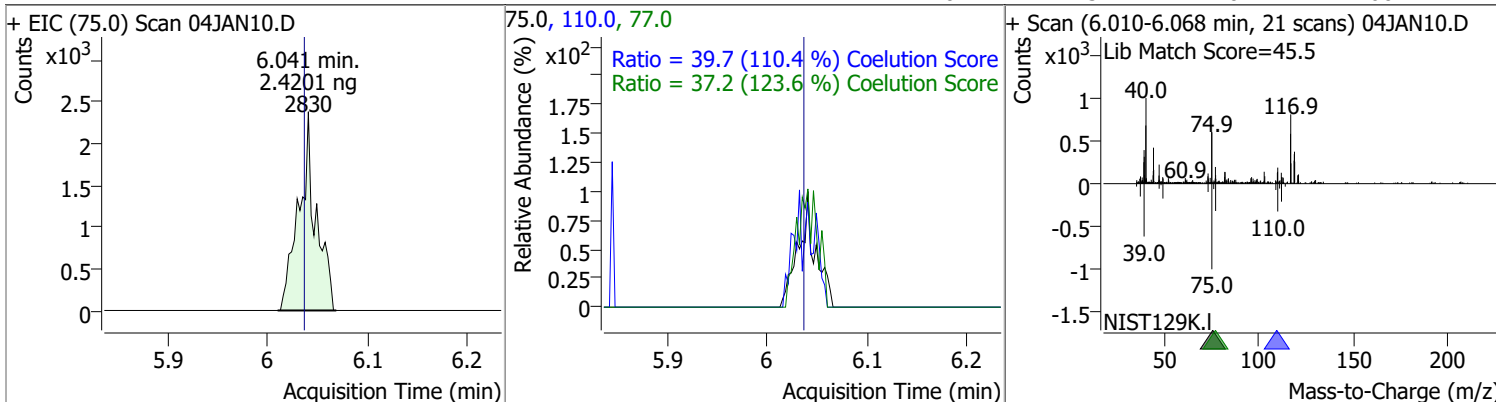


| Compound             | Conc.  | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|--------|------|----------|-------|-------|--------|-------|-------|
| Carbon tetrachloride | 3.2043 | 6.03 | 0.01     | 4342  | 119.0 | 72.7   | 67.2  | 127.2 |
|                      |        |      |          |       | 121.0 | 20.8   | 0.1   | 60.1  |

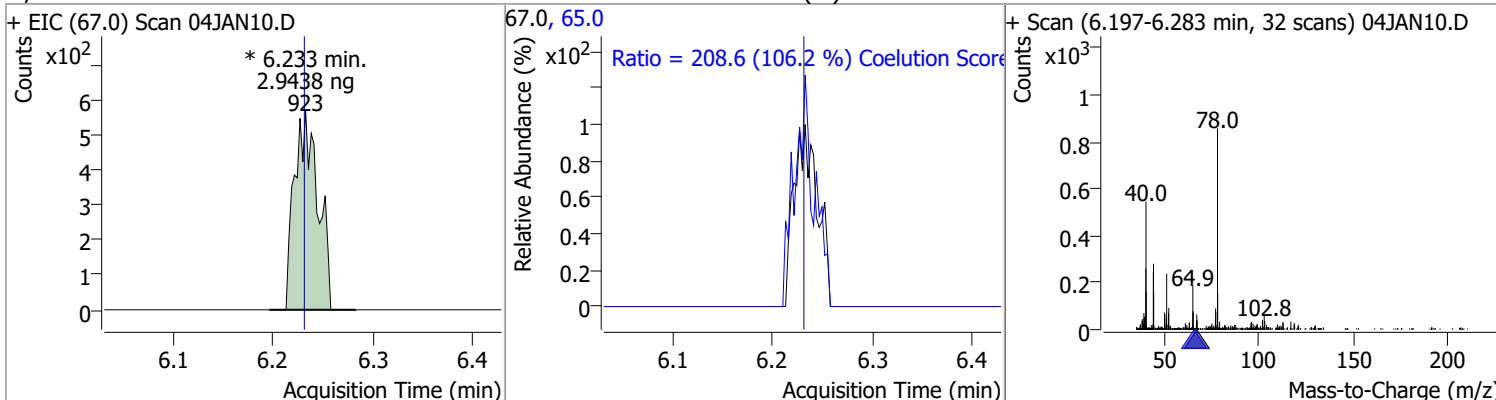


# Quantitation Results Report (QT Reviewed)

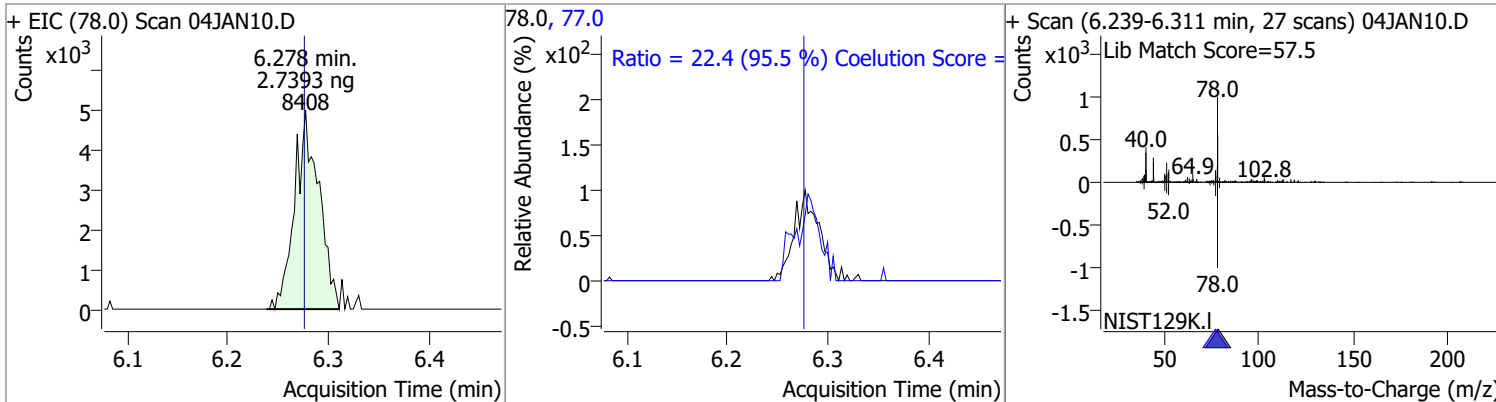
| Compound            | Conc.  | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|--------|------|----------|-------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 2.4201 | 6.04 | 0.00     | 2830  | 110.0 | 39.7   | 5.9   | 65.9  |
|                     |        |      |          |       | 77.0  | 37.2   | 0.1   | 60.1  |



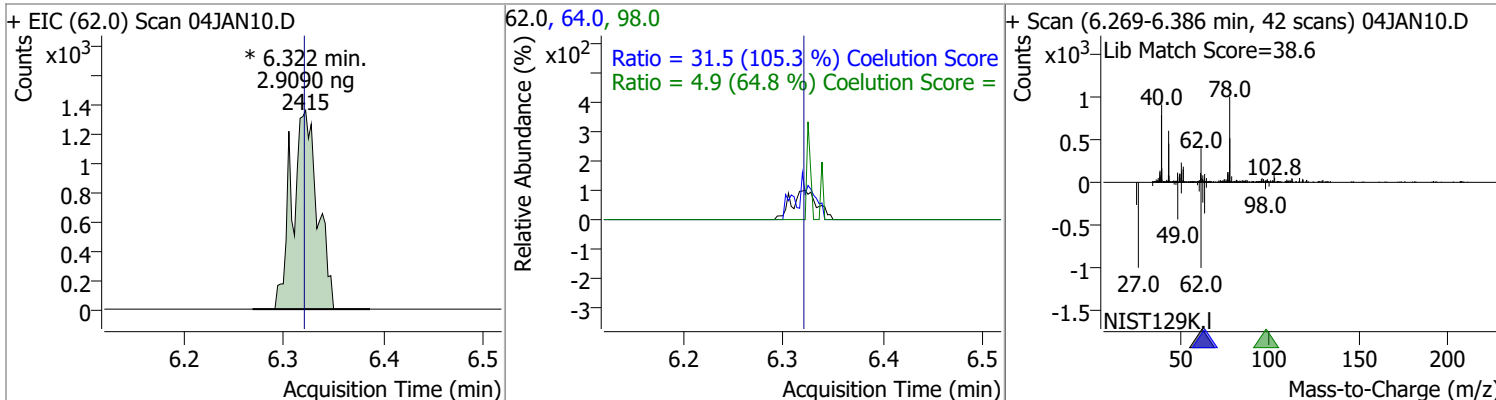
| Compound              | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-----------------------|--------|------|----------|---------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 2.9438 | 6.23 | 0.00     | 923 (m) | 65.0 | 208.6  | 166.5 | 226.5 |



| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| Benzene  | 2.7393 | 6.28 | 0.00     | 8408  | 77.0 | 22.4   | 0.0   | 53.5  |

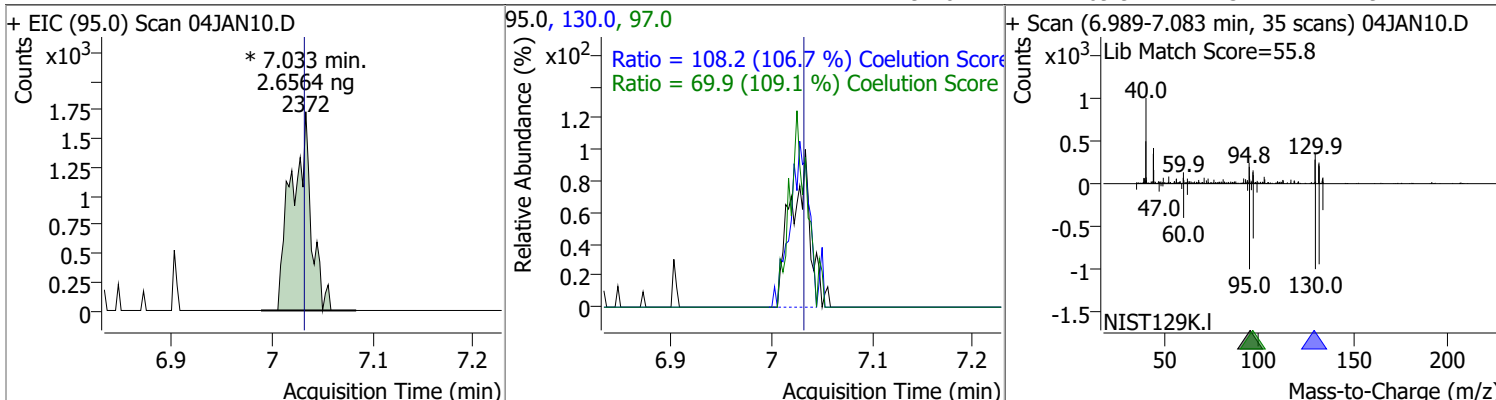


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| 1,2-Dichloroethane | 2.9090 | 6.32 | 0.00     | 2415 (m) | 64.0 | 31.5   | 0.0   | 59.9  |
|                    |        |      |          |          | 98.0 | 4.9    | 0.0   | 37.6  |

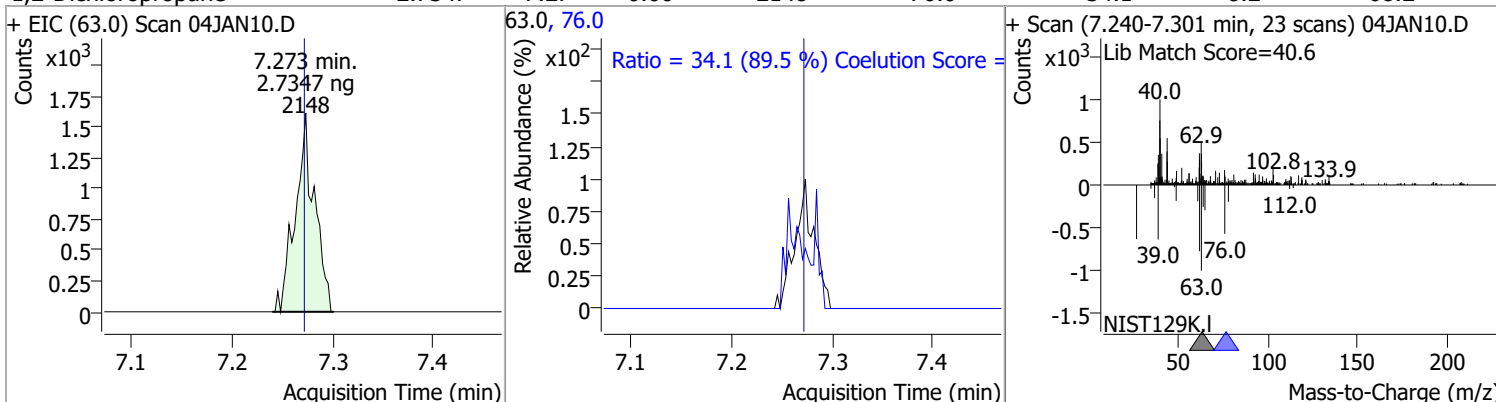


# Quantitation Results Report (QT Reviewed)

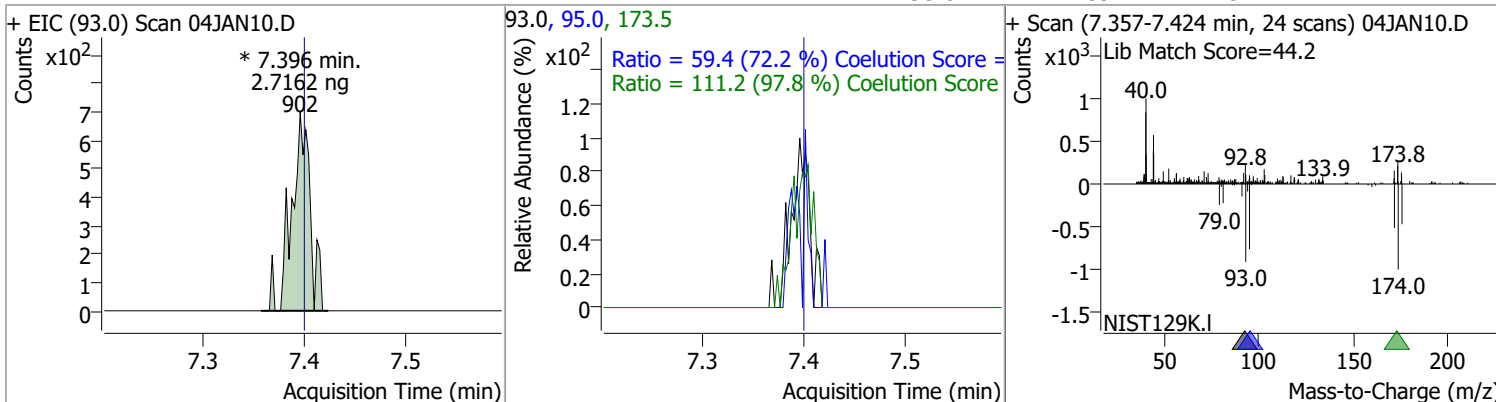
| Compound        | Conc.  | RT   | Dev(Min) | Resp.    | QIon  | QRatio | Lower | Upper |
|-----------------|--------|------|----------|----------|-------|--------|-------|-------|
| Trichloroethene | 2.6564 | 7.03 | 0.00     | 2372 (m) | 130.0 | 108.2  | 71.5  | 131.5 |
|                 |        |      |          |          | 97.0  | 69.9   | 34.1  | 94.1  |



| Compound            | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|--------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloropropane | 2.7347 | 7.27 | 0.00     | 2148  | 76.0 | 34.1   | 8.2   | 68.2  |



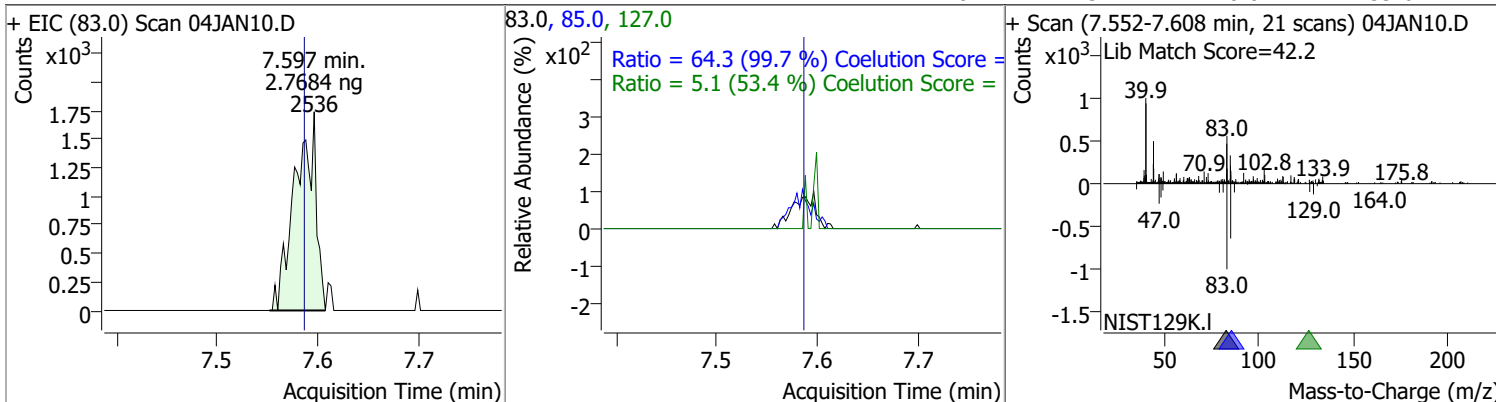
| Compound       | Conc.  | RT   | Dev(Min) | Resp.   | QIon  | QRatio | Lower | Upper |
|----------------|--------|------|----------|---------|-------|--------|-------|-------|
| Dibromomethane | 2.7162 | 7.40 | 0.00     | 902 (m) | 173.5 | 111.2  | 83.7  | 143.7 |
|                |        |      |          |         | 95.0  | 59.4   | 52.2  | 112.2 |



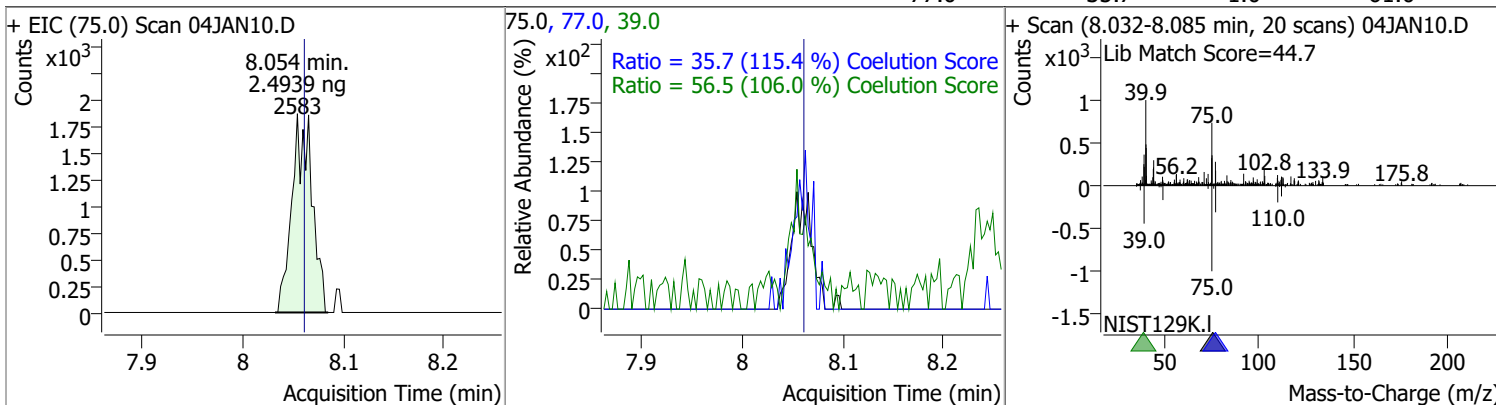


# Quantitation Results Report (QT Reviewed)

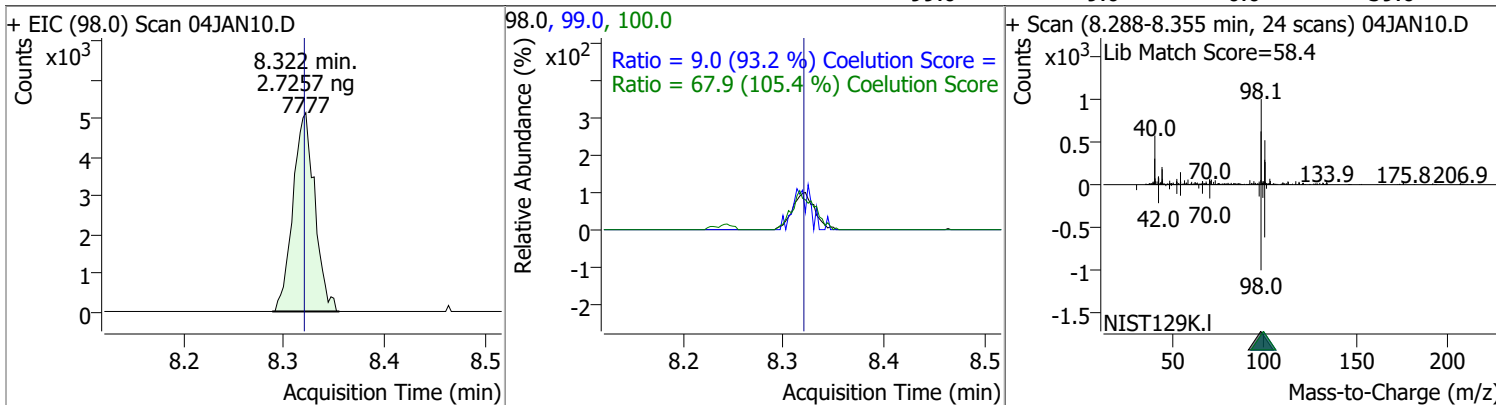
| Compound             | Conc.  | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|--------|------|----------|-------|-------|--------|-------|-------|
| Bromodichloromethane | 2.7684 | 7.60 | 0.01     | 2536  | 85.0  | 64.3   | 34.5  | 94.5  |
|                      |        |      |          |       | 127.0 | 5.1    | 0.0   | 39.6  |



| Compound                | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------------------|--------|------|----------|-------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 2.4939 | 8.05 | -0.01    | 2583  | 39.0 | 56.5   | 23.3  | 83.3  |
|                         |        |      |          |       | 77.0 | 35.7   | 1.0   | 61.0  |

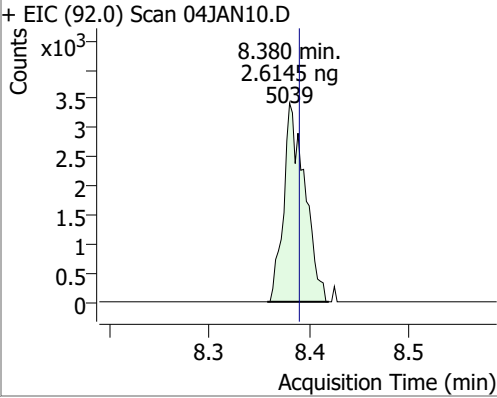
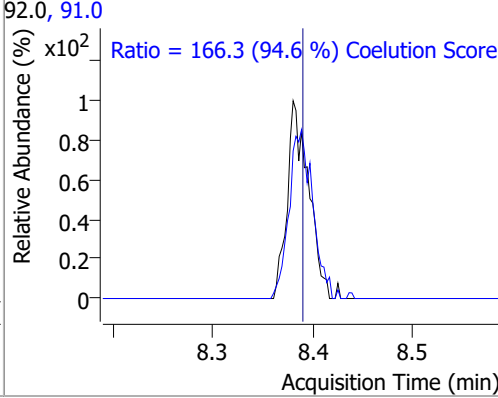
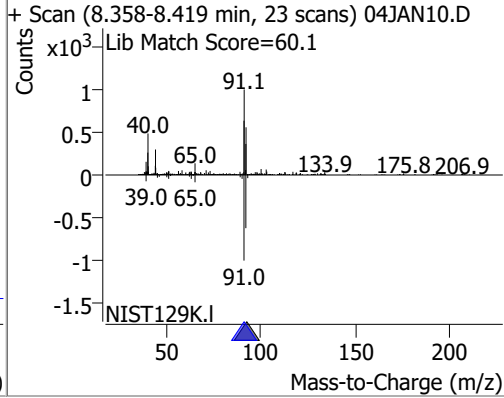
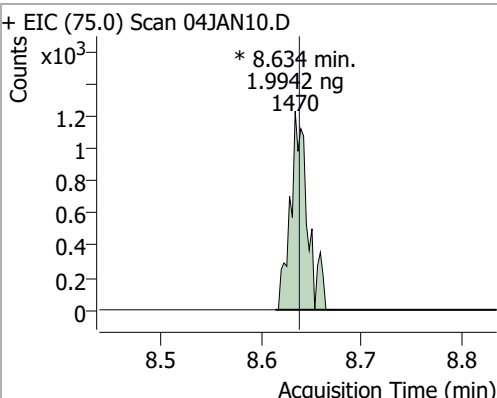
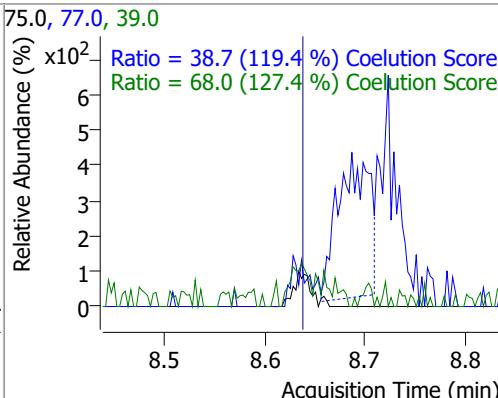
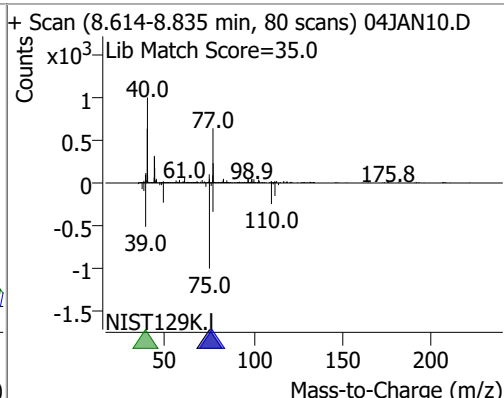
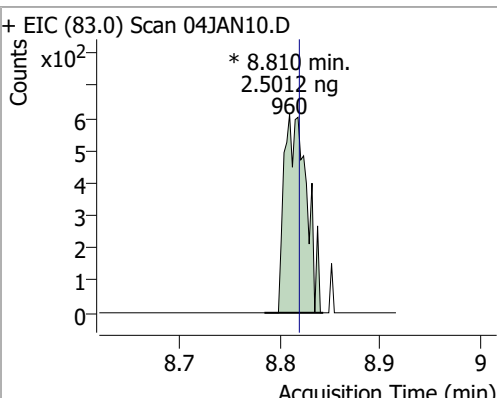
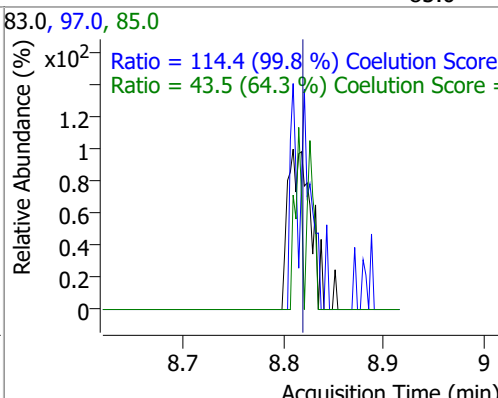
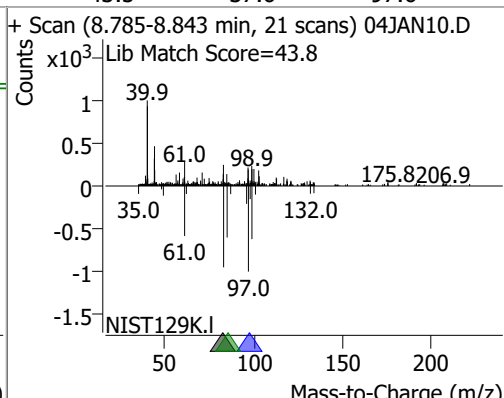


| Compound   | Conc.  | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------|--------|------|----------|-------|-------|--------|-------|-------|
| Toluene-d8 | 2.7257 | 8.32 | 0.00     | 7777  | 100.0 | 67.9   | 34.4  | 94.4  |
|            |        |      |          |       | 99.0  | 9.0    | 0.0   | 39.6  |

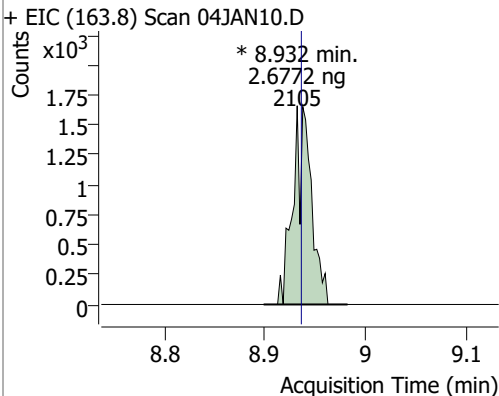
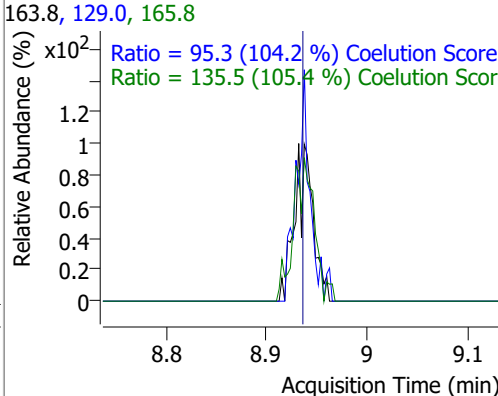
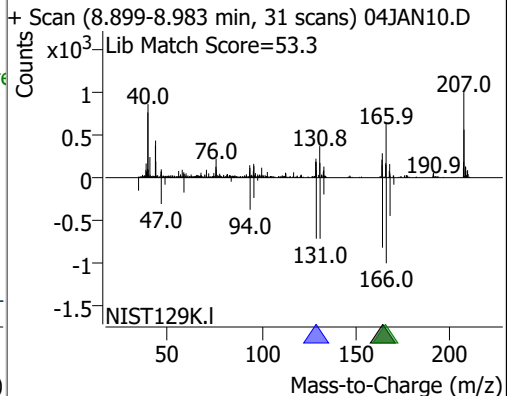
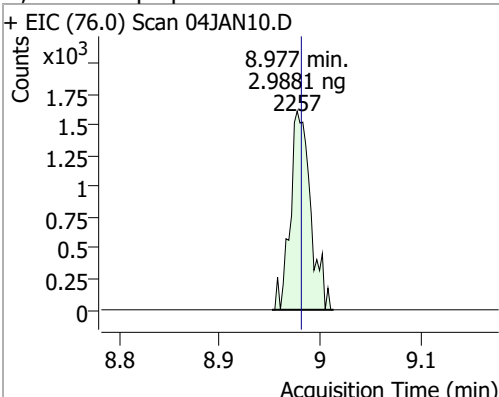
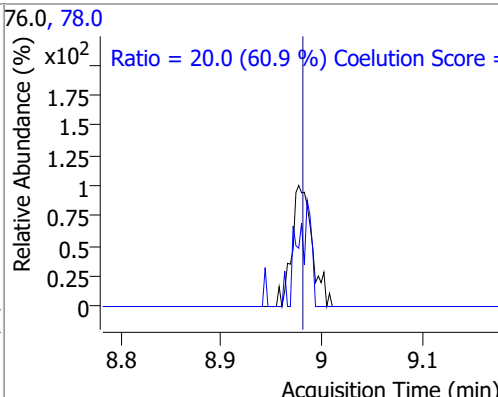
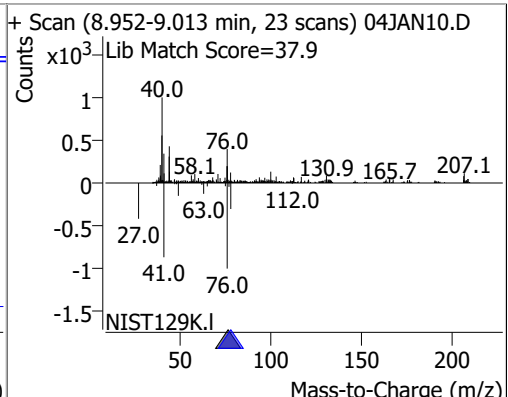
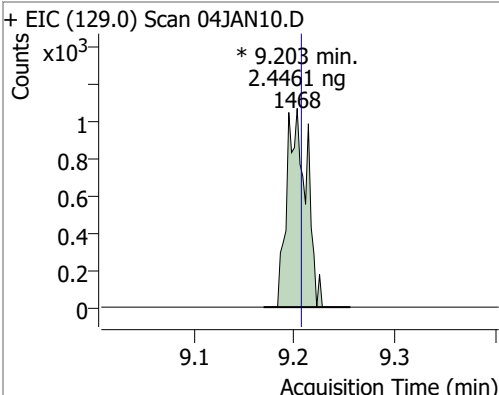
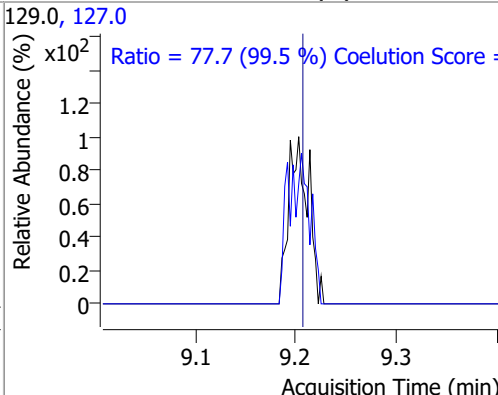
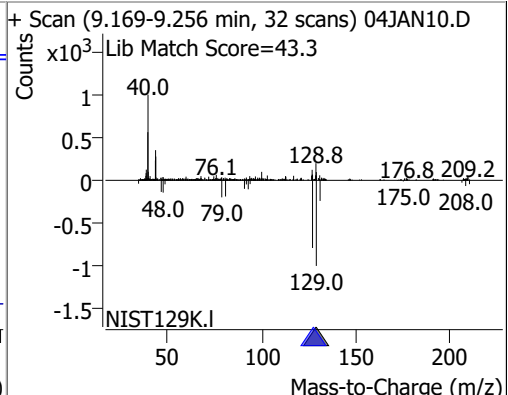
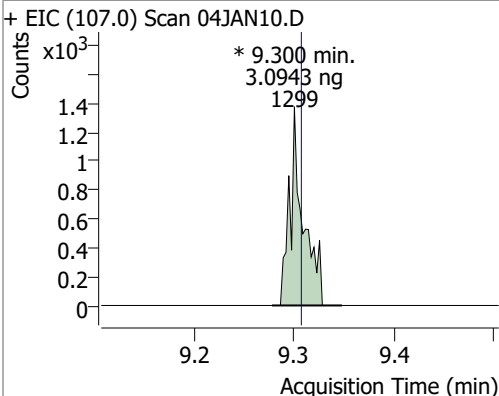
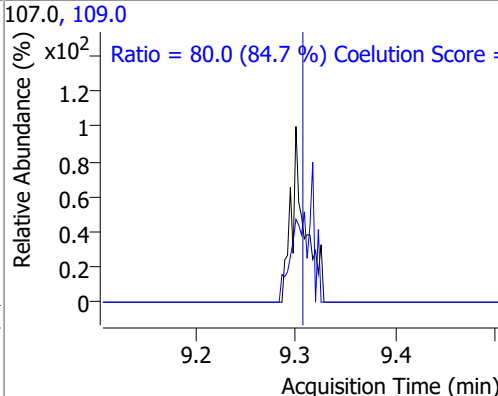
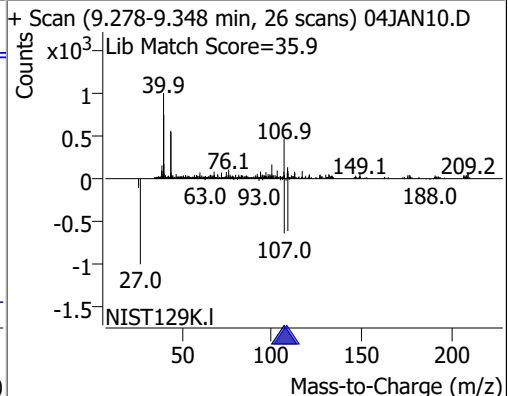




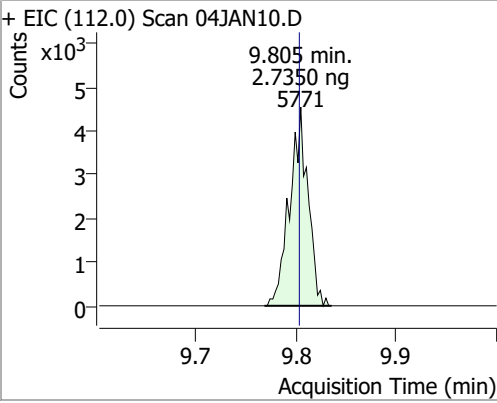
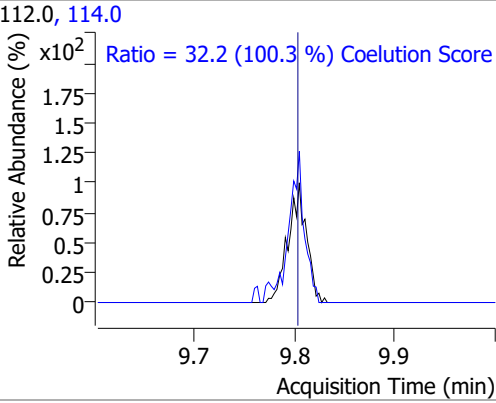
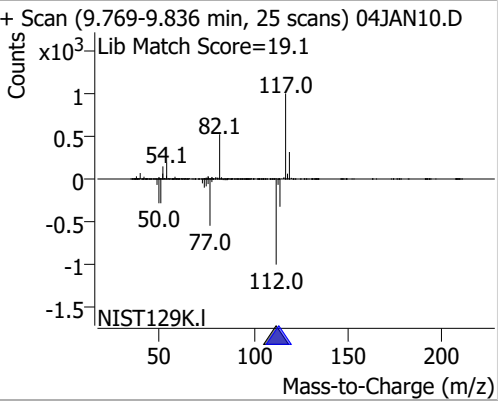
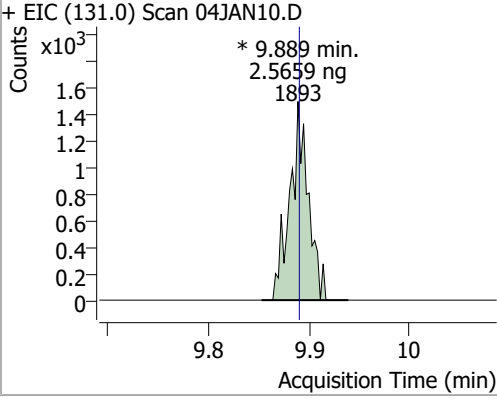
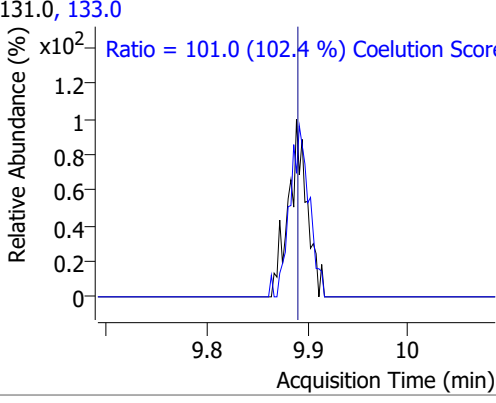
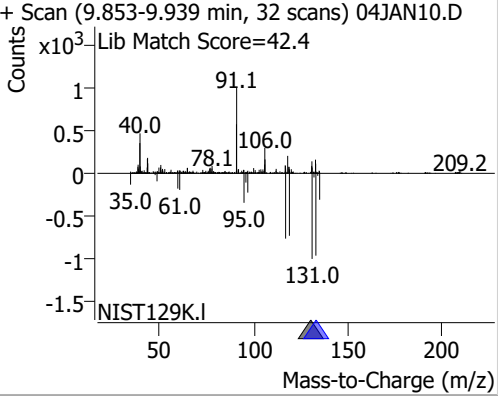
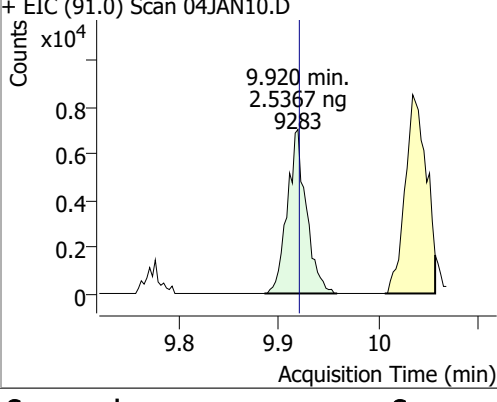
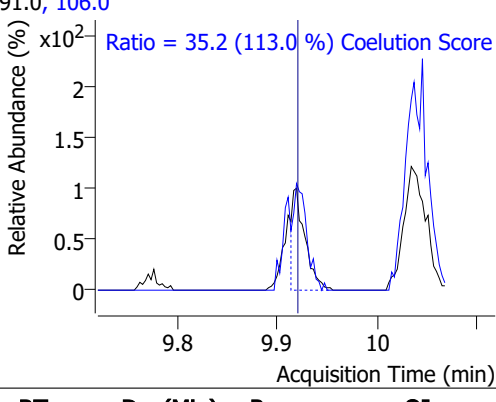
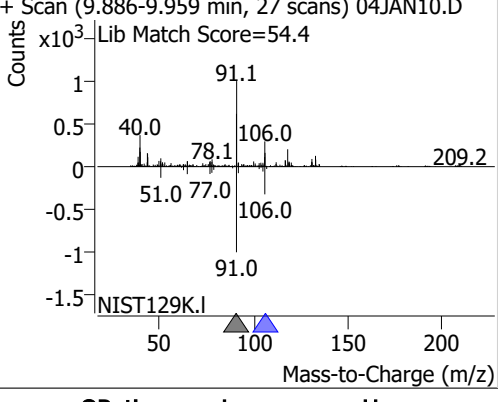
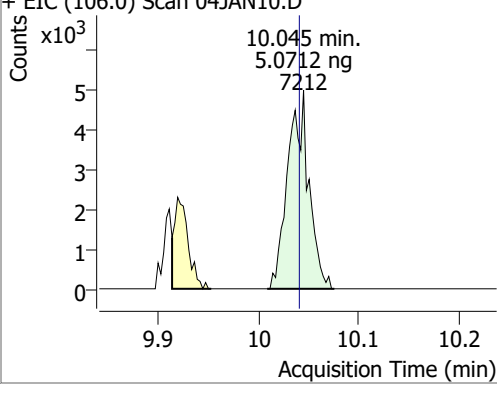
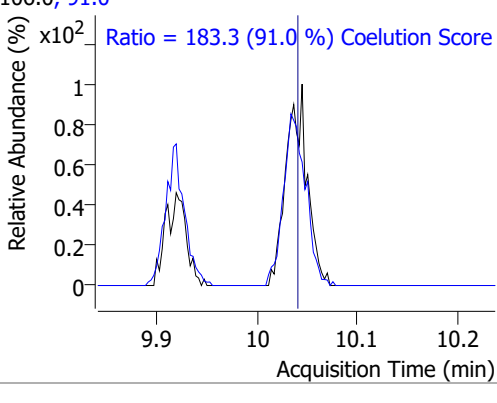
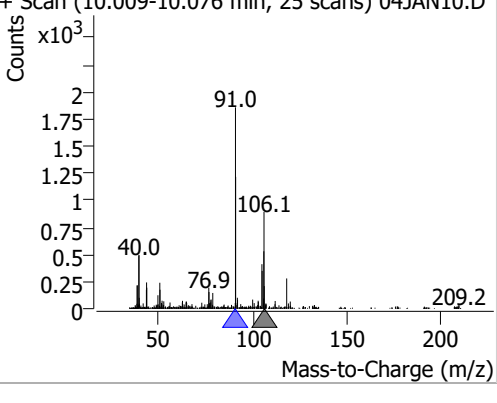
# Quantitation Results Report (QT Reviewed)

| Compound  | Conc.  | RT   | Dev(Min)  | Resp.    | QIon         | QRatio  | Lower        | Upper         |
|---|--------|------|---|----------|--------------|---|--------------|---------------|
| Toluene   | 2.6145 | 8.38 | -0.01   | 5039     | 91.0         | 166.3   | 145.8        | 205.8         |
| + EIC (92.0) Scan 04JAN10.D<br>   |        |      | 92.0, 91.0<br>Ratio = 166.3 (94.6 %) Coelution Score<br>  |          |              | + Scan (8.358-8.419 min, 23 scans) 04JAN10.D<br>Lib Match Score=60.1<br>   |              |               |
| trans-1,3-Dichloropropene   | 1.9942 | 8.63 | 0.00  | 1470 (m) | 39.0<br>77.0 | 68.0<br>38.7  | 23.4<br>2.4  | 83.4<br>62.4  |
| + EIC (75.0) Scan 04JAN10.D<br>  |        |      | 75.0, 77.0, 39.0<br>Ratio = 38.7 (119.4 %) Coelution Score<br>Ratio = 68.0 (127.4 %) Coelution Score<br> |          |              | + Scan (8.614-8.835 min, 80 scans) 04JAN10.D<br>Lib Match Score=35.0<br>  |              |               |
| 1,1,2-Trichloroethane   | 2.5012 | 8.81 | -0.01   | 960 (m)  | 97.0<br>85.0 | 114.4<br>43.5   | 84.6<br>37.6 | 144.6<br>97.6 |
| + EIC (83.0) Scan 04JAN10.D<br> |        |      | 83.0, 97.0, 85.0<br>Ratio = 114.4 (99.8 %) Coelution Score<br>Ratio = 43.5 (64.3 %) Coelution Score<br> |          |              | + Scan (8.785-8.843 min, 21 scans) 04JAN10.D<br>Lib Match Score=43.8<br> |              |               |

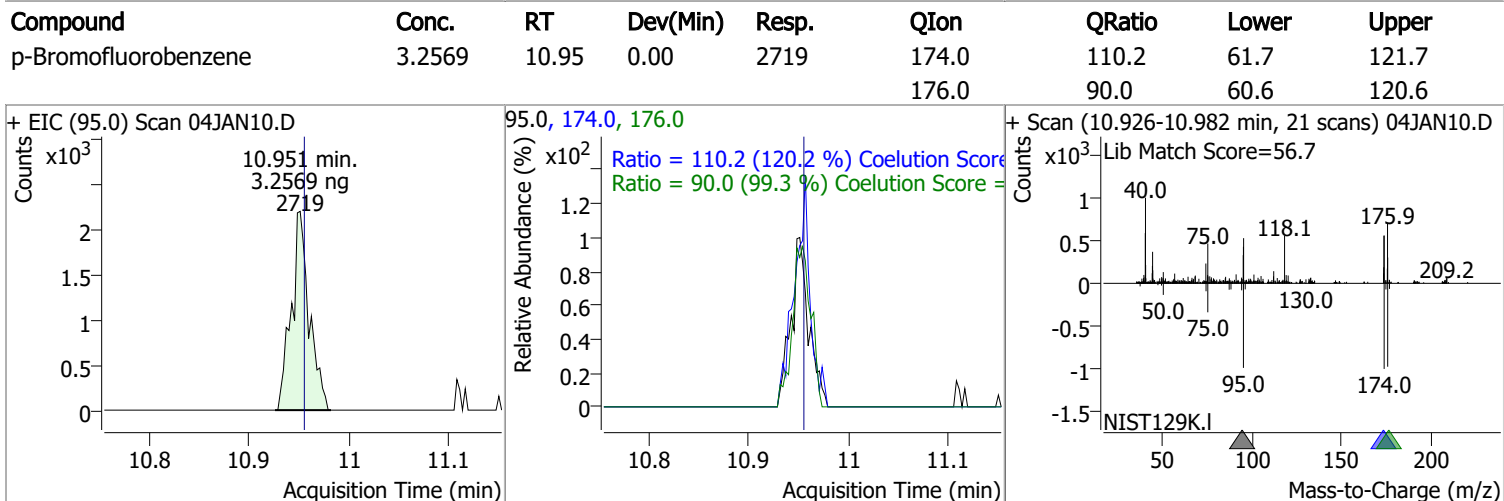
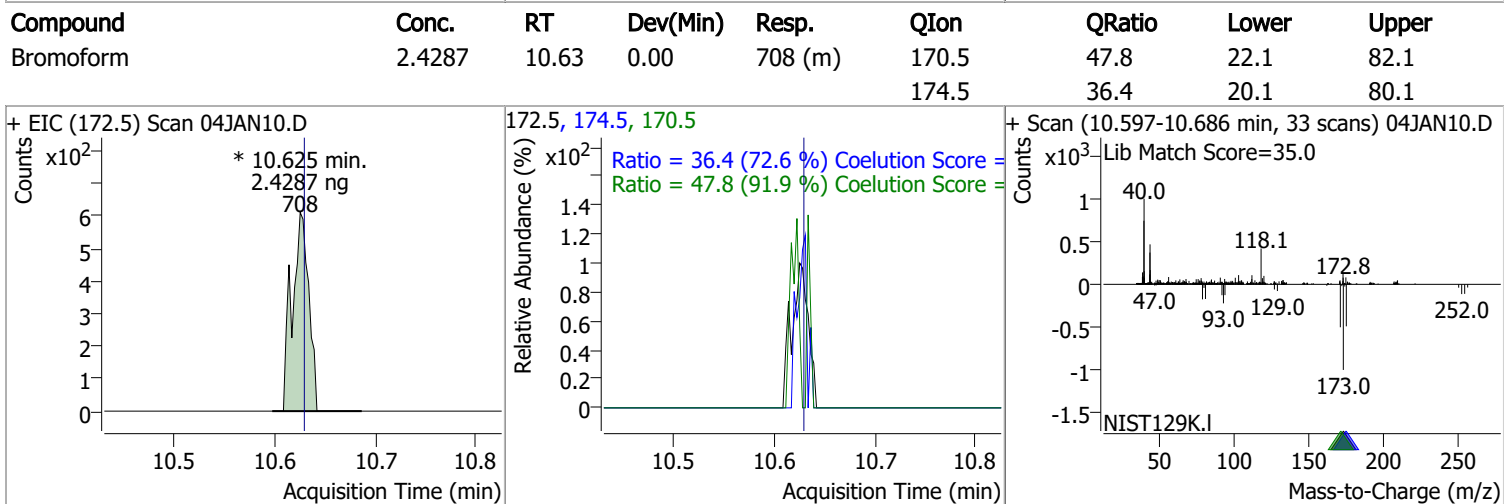
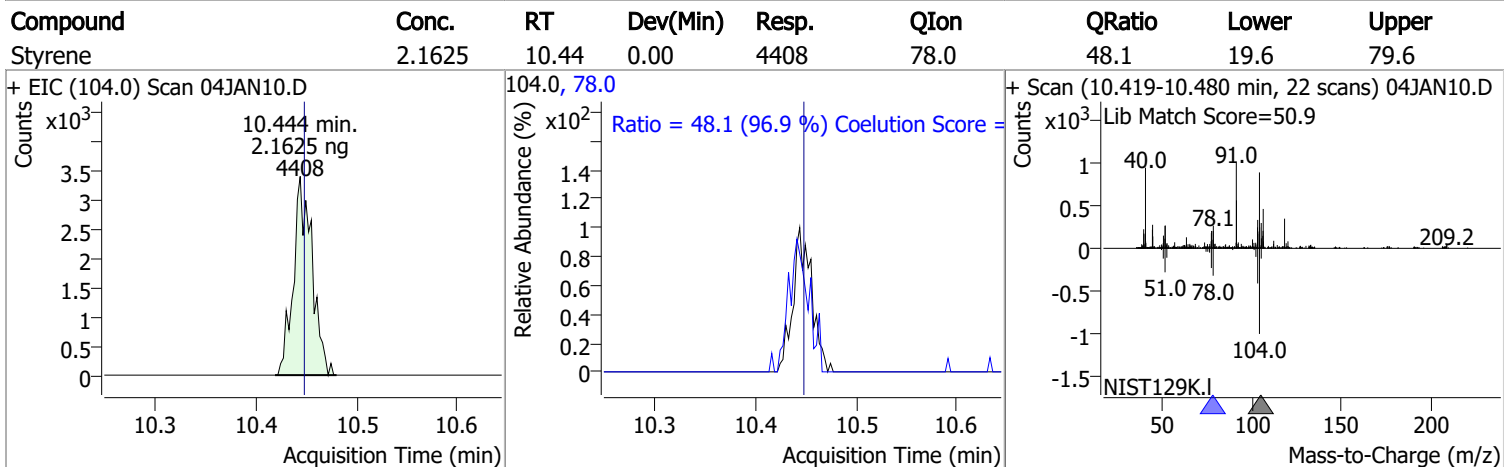
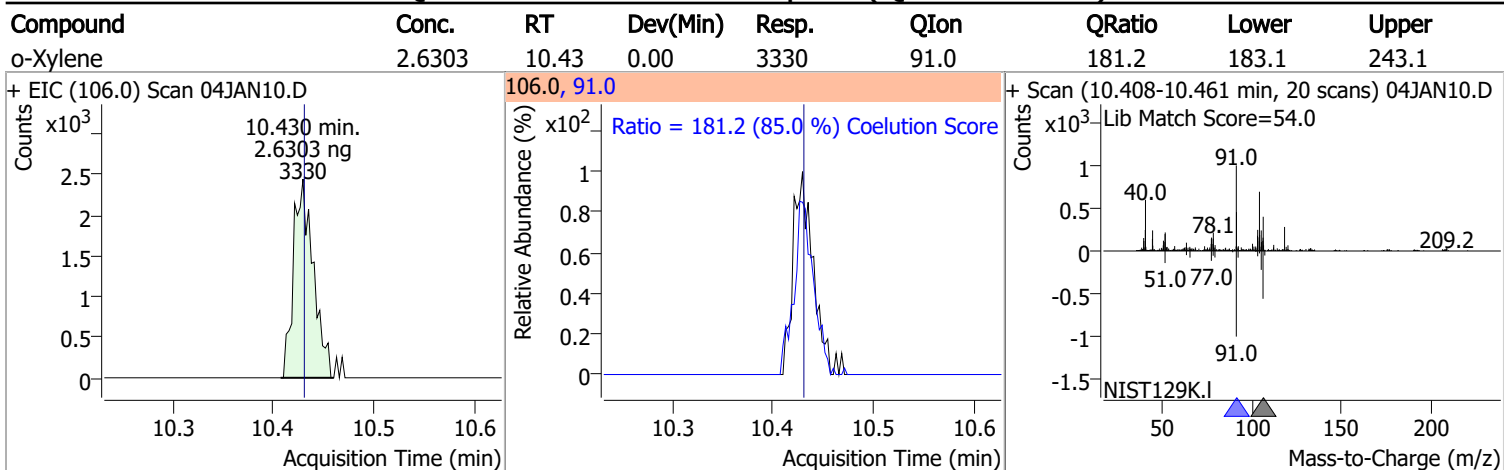
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc.  | RT   | Dev(Min)   | Resp.    | QIon           | QRatio  | Lower        | Upper          |
|--|--------|------|--|----------|----------------|---|--------------|----------------|
| Tetrachloroethene  | 2.6772 | 8.93 | 0.00   | 2105 (m) | 165.8<br>129.0 | 135.5<br>95.3   | 98.6<br>61.5 | 158.6<br>121.5 |
|    |        |      |    |          |                |    |              |                |
| 1,3-Dichloropropane  | 2.9881 | 8.98 | 0.00   | 2257     | 78.0           | 20.0  | 2.9          | 62.9           |
|   |        |      |   |          |                |   |              |                |
| Chlorodibromomethane   | 2.4461 | 9.20 | 0.00   | 1468 (m) | 127.0          | 77.7  | 48.0         | 108.0          |
|  |        |      |  |          |                |  |              |                |
| 1,2-Dibromoethane  | 3.0943 | 9.30 | -0.01  | 1299 (m) | 109.0          | 80.0  | 64.5         | 124.5          |
|  |        |      |  |          |                |  |              |                |

# Quantitation Results Report (QT Reviewed)

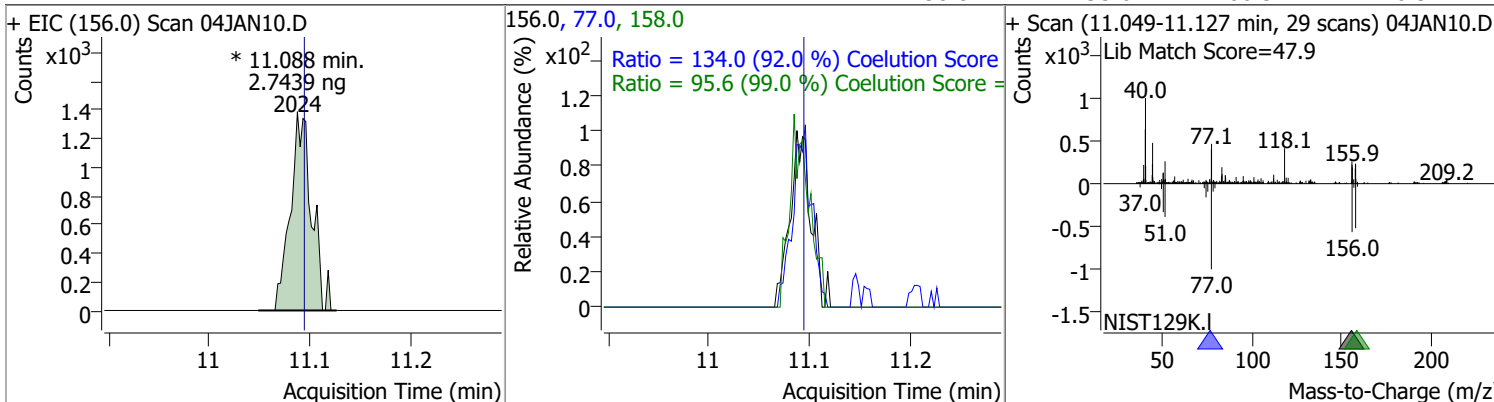
| Compound   | Conc.  | RT    | Dev(Min)  | Resp.    | QIon  | QRatio   | Lower | Upper |
|--|--|-------|---|----------|-------|--|-------|-------|
| Chlorobenzene  | 2.7350   | 9.81  | 0.00  | 5771     | 114.0 | 32.2   | 2.1   | 62.1  |
| + EIC (112.0) Scan 04JAN10.D   |  |       | 112.0, 114.0  |          |       | + Scan (9.769-9.836 min, 25 scans) 04JAN10.D   |       |       |
|    |    |       |    |          |       |  |       |       |
|  |  |       | Ratio = 32.2 (100.3 %) Coelution Score  |          |       |  |       |       |
| 1,1,1,2-Tetrachloroethane  | 2.5659   | 9.89  | 0.00  | 1893 (m) | 133.0 | 101.0  | 68.6  | 128.6 |
| + EIC (131.0) Scan 04JAN10.D   |  |       | 131.0, 133.0  |          |       | + Scan (9.853-9.939 min, 32 scans) 04JAN10.D   |       |       |
|   |   |       |   |          |       |  |       |       |
|  |  |       | Ratio = 101.0 (102.4 %) Coelution Score   |          |       |  |       |       |
| Ethylbenzene   | 2.5367   | 9.92  | 0.00  | 9283     | 106.0 | 35.2   | 1.1   | 61.1  |
| + EIC (91.0) Scan 04JAN10.D  |  |       | 91.0, 106.0   |          |       | + Scan (9.886-9.959 min, 27 scans) 04JAN10.D   |       |       |
|  |  |       |  |          |       |  |       |       |
|  |  |       | Ratio = 35.2 (113.0 %) Coelution Score  |          |       |  |       |       |
| m+p-Xylenes  | 5.0712   | 10.05 | 0.01  | 7212     | 91.0  | 183.3  | 171.4 | 231.4 |
| + EIC (106.0) Scan 04JAN10.D   |  |       | 106.0, 91.0   |          |       | + Scan (10.009-10.076 min, 25 scans) 04JAN10.D |       |       |
|  |  |       |  |          |       |  |       |       |
|  |  |       | Ratio = 183.3 (91.0 %) Coelution Score  |          |       |  |       |       |

# Quantitation Results Report (QT Reviewed)

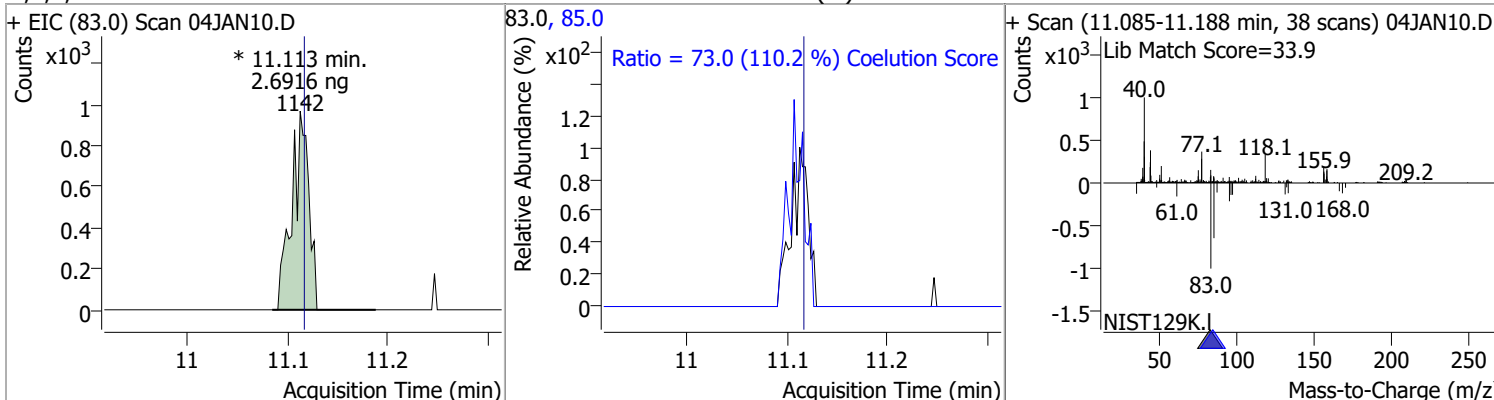


# Quantitation Results Report (QT Reviewed)

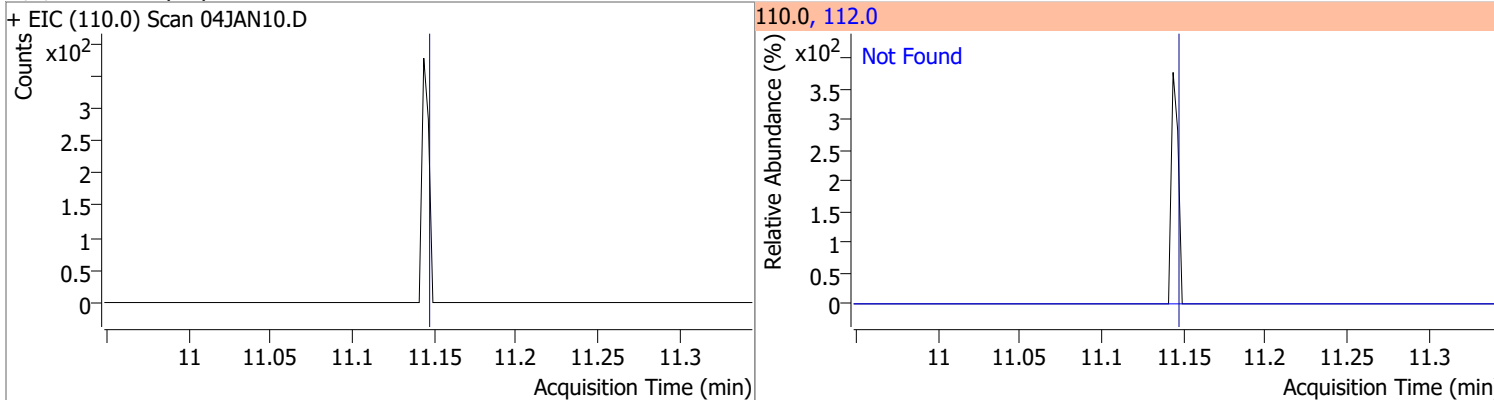
| Compound     | Conc.  | RT    | Dev(Min) | Resp.    | QIon  | QRatio | Lower | Upper |
|--------------|--------|-------|----------|----------|-------|--------|-------|-------|
| Bromobenzene | 2.7439 | 11.09 | -0.01    | 2024 (m) | 77.0  | 134.0  | 115.7 | 175.7 |
|              |        |       |          |          | 158.0 | 95.6   | 66.5  | 126.5 |



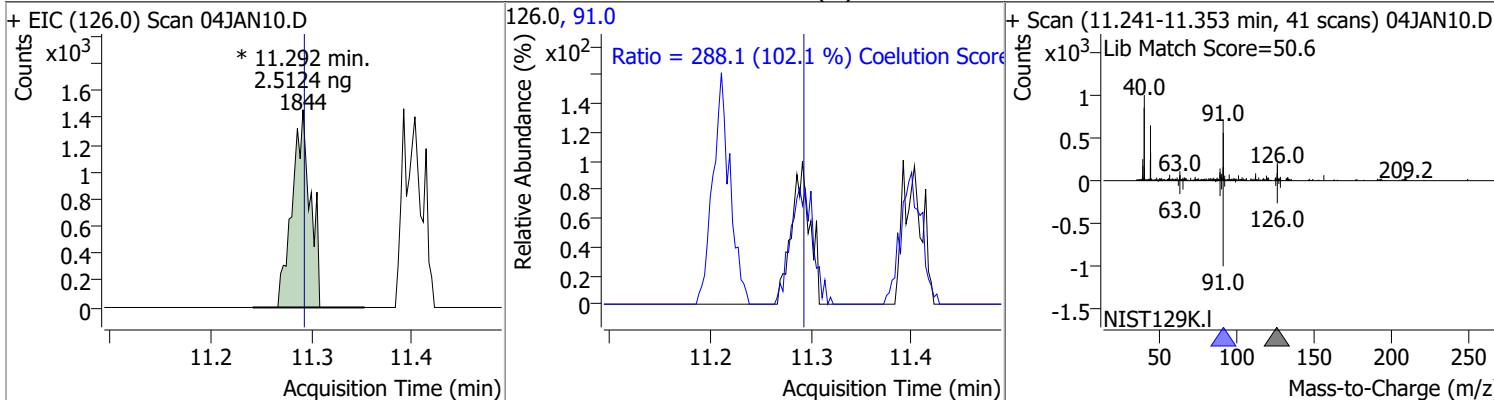
| Compound                  | Conc.  | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------------------|--------|-------|----------|----------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 2.6916 | 11.11 | 0.00     | 1142 (m) | 85.0 | 73.0   | 36.2  | 96.2  |



| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| 1,2,3-Trichloropropane | N.D.  | 11.15  | 112.0 | 63.5      |

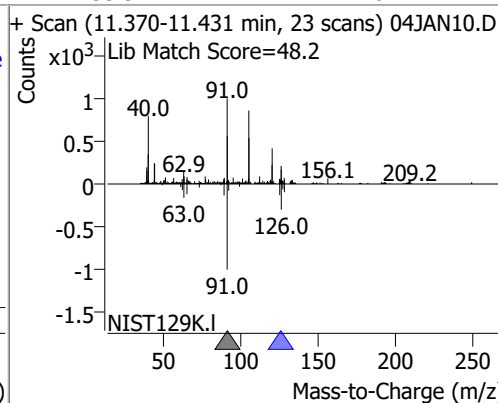
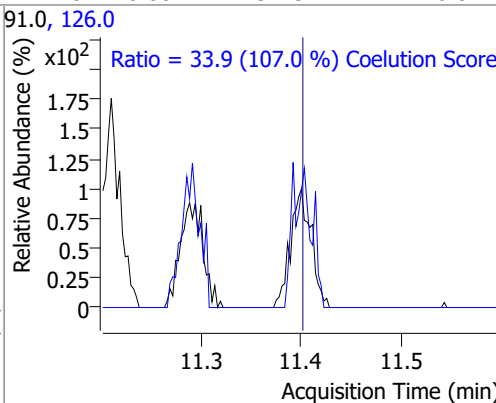
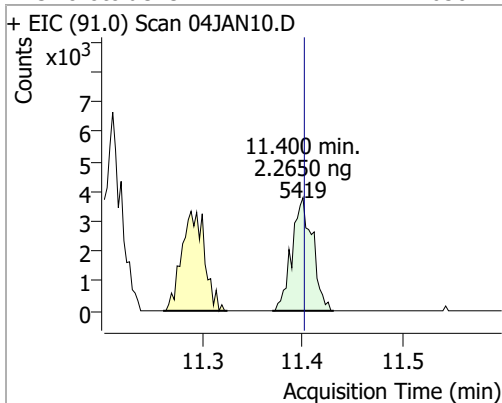


| Compound        | Conc.  | RT    | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|-----------------|--------|-------|----------|----------|------|--------|-------|-------|
| 2-Chlorotoluene | 2.5124 | 11.29 | 0.00     | 1844 (m) | 91.0 | 288.1  | 252.3 | 312.3 |

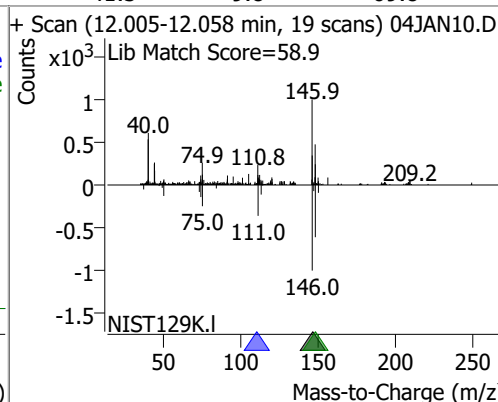
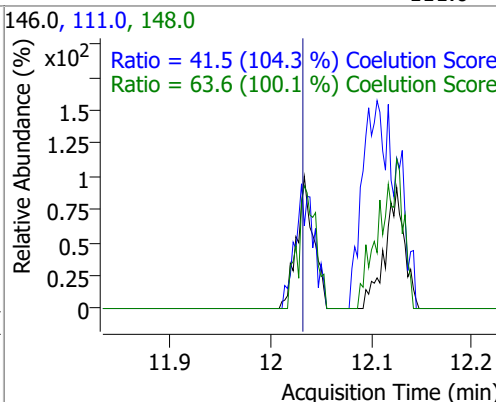
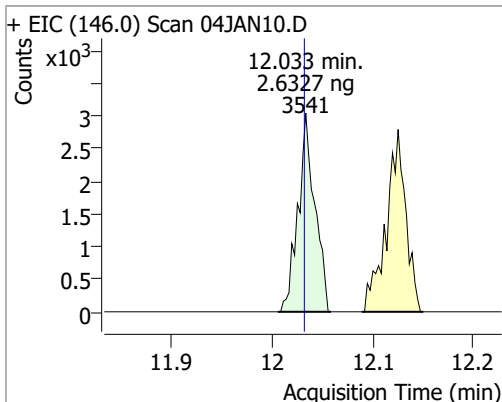


# Quantitation Results Report (QT Reviewed)

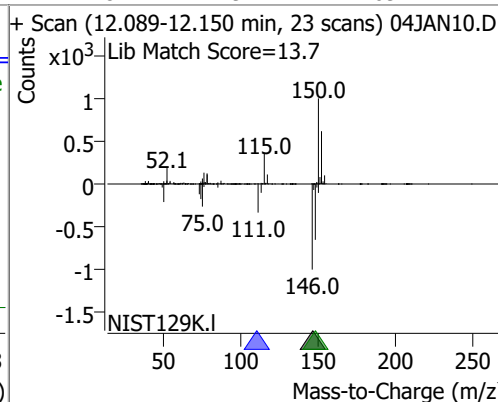
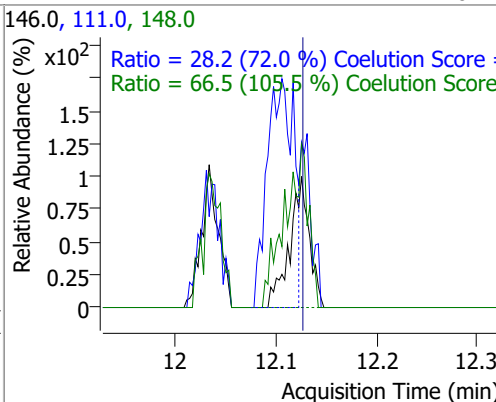
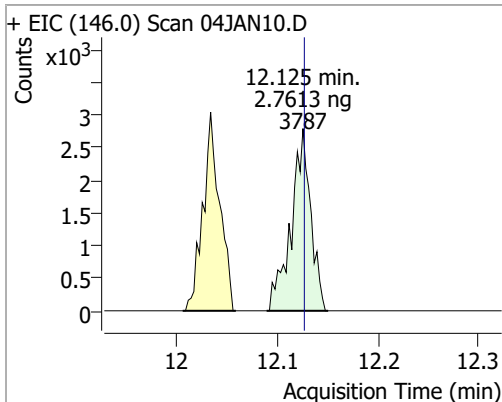
| Compound        | Conc.  | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------------|--------|-------|----------|-------|-------|--------|-------|-------|
| 4-Chlorotoluene | 2.2650 | 11.40 | 0.00     | 5419  | 126.0 | 33.9   | 1.7   | 61.7  |



| Compound            | Conc.  | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|--------|-------|----------|-------|-------|--------|-------|-------|
| 1,3-Dichlorobenzene | 2.6327 | 12.03 | 0.00     | 3541  | 148.0 | 63.6   | 33.6  | 93.6  |
|                     |        |       |          |       | 111.0 | 41.5   | 9.8   | 69.8  |

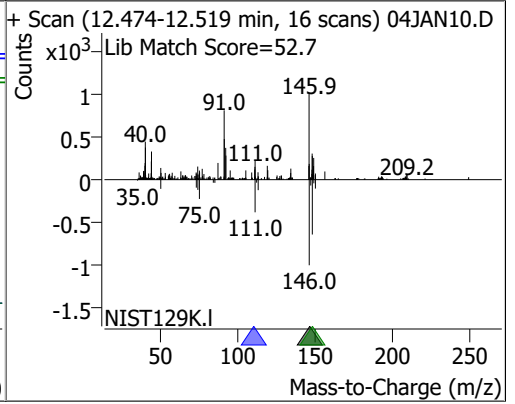
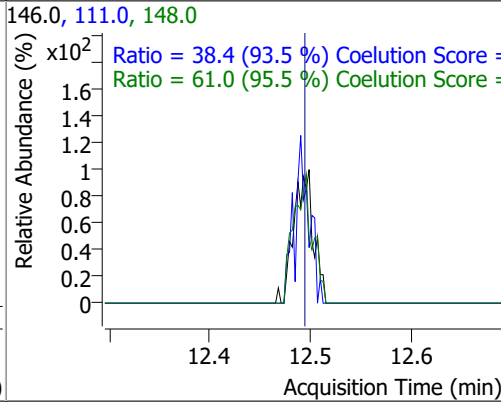
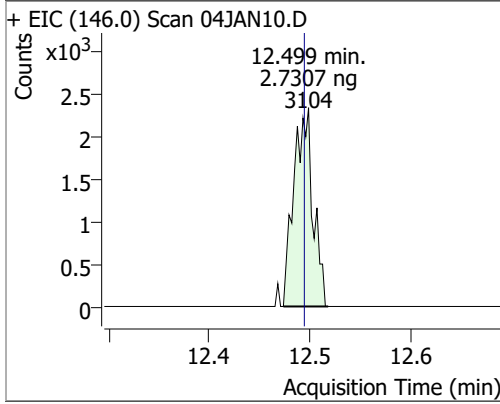


| Compound            | Conc.  | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|--------|-------|----------|-------|-------|--------|-------|-------|
| 1,4-Dichlorobenzene | 2.7613 | 12.13 | 0.00     | 3787  | 148.0 | 66.5   | 33.1  | 93.1  |
|                     |        |       |          |       | 111.0 | 28.2   | 9.1   | 69.1  |



# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.  | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|--------|-------|----------|-------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 2.7307 | 12.50 | 0.01     | 3104  | 148.0 | 61.0   | 33.9  | 93.9  |
|                     |        |       |          |       | 111.0 | 38.4   | 11.0  | 71.0  |

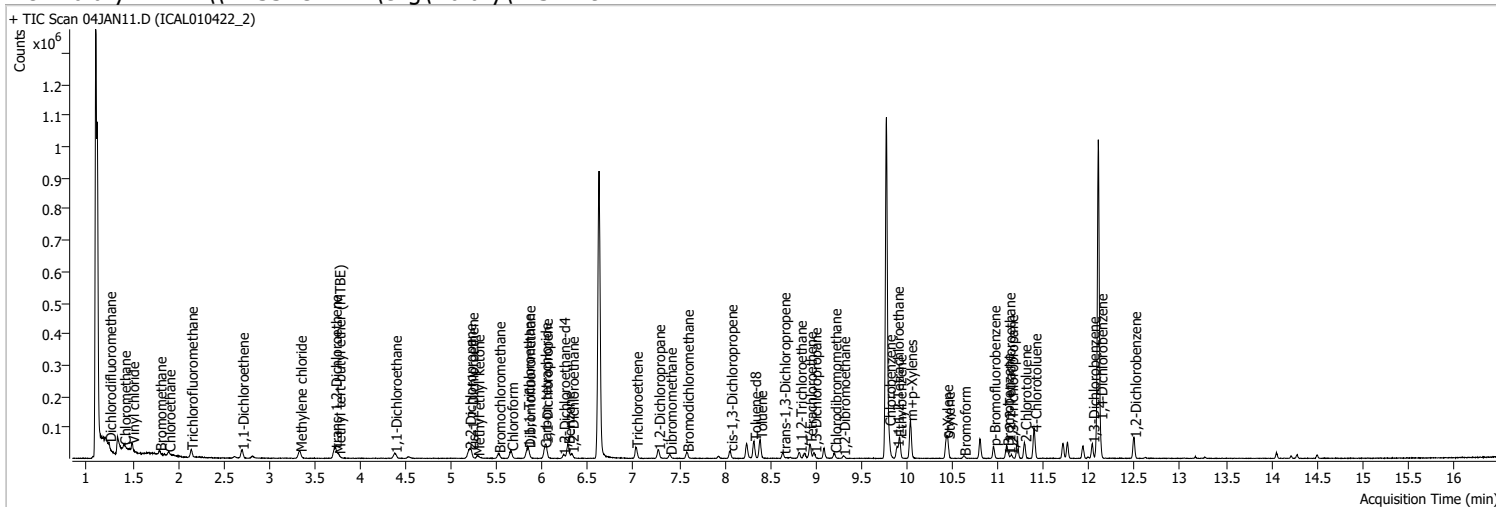




# Quantitation Results Report (QT Reviewed)

Data File 04JAN11.D  
 Acq. Method 5975CACQF.M  
 Sample Name ICAL010422\_2  
 Vial 11  
 DA Method File VOA5975C\_8260B\_SHT\_DoD\_L4\_010422.m  
 Tune File BFB\_Atune3.u  
 Batch Name VG010422\_8260B.batch.bin  
 Ref Library \\MASSHUNTER\Org\Library\NIST129K.I

Operator MSC  
 Acq. Date-Time 1/4/2022 4:00:35 PM  
 Instrument VOA5975C  
 Multiplier 1.00  
 Comment  
 Tune Date 10/11/2021 4:02:00 PM  
 Last Calib Update 1/9/2022 8:59:52 PM



| Compound                           | RT                   | QIon  | Resp.  | Conc.            | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                  |       |          |
| M Fluorobenzene                    | 6.621                | 96.0  | 764419 | 250.0000         | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 296554 | 250.0000         | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.103               | 152.0 | 242142 | 250.0000         | ng    | 0.003    |
| <b>System Monitoring Compounds</b> |                      |       |        |                  |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 9074   | 12.6000          | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 5.04% | *     |          |
| S 1,2-Dichloroethane-d4            | 6.227                | 67.0  | 3938   | 12.6600          | ng    | -0.006   |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 5.06% | *     |          |
| S Toluene-d8                       | 8.322                | 98.0  | 32318  | 11.3089          | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 4.52% | *     |          |
| S p-Bromofluorobenzene             | 10.948               | 95.0  | 10059  | 11.3393          | ng    | -0.006   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 4.54% | *     |          |
| <b>Target Compounds</b>            |                      |       |        |                  |       |          |
| T Dichlorodifluoromethane          | 1.244                | 85.0  | 12087  | 12.0663          | ng    | 96       |
| T Chloromethane                    | 1.406                | 50.0  | 16859  | 13.8661          | ng    | 100      |
| T Vinyl chloride                   | 1.498                | 62.0  | 13724  | 12.5446          | ng    | 75       |
| T Bromomethane                     | 1.796                | 96.0  | 5893   | 12.0464          | ng    | 97       |
| T Chloroethane                     | 1.897                | 64.0  | 8052   | 14.8670          | ng    | m 98     |
| T Trichlorofluoromethane           | 2.142                | 101.0 | 15431  | 11.3637          | ng    | 95       |
| T 1,1-Dichloroethene               | 2.700                | 96.0  | 9169   | 11.9081          | ng    | 96       |
| T Methylene chloride               | 3.338                | 49.0  | 17734  | 15.6236          | ng    | 93       |
| T trans-1,2-Dichloroethene         | 3.720                | 96.0  | 9821   | 12.5022          | ng    | m 95     |
| T Methyl tert-butyl ether (MTBE)   | 3.762                | 73.0  | 12515  | 12.3255          | ng    | m 99     |
| T 1,1-Dichloroethane               | 4.378                | 63.0  | 17642  | 12.0652          | ng    | 94       |
| T 2,2-Dichloropropane              | 5.196                | 77.0  | 13676  | 12.4820          | ng    | 95       |
| T cis-1,2-Dichloroethene           | 5.221                | 96.0  | 10008  | 12.5659          | ng    | 95       |
| T Methyl ethyl ketone              | 5.288                | 43.0  | 13167  | 122.0520         | ng    | 95       |
| T Bromochloromethane               | 5.516                | 128.0 | 4275   | 12.9568          | ng    | 91       |
| T Chloroform                       | 5.656                | 83.0  | 19015  | 13.0668          | ng    | 98       |

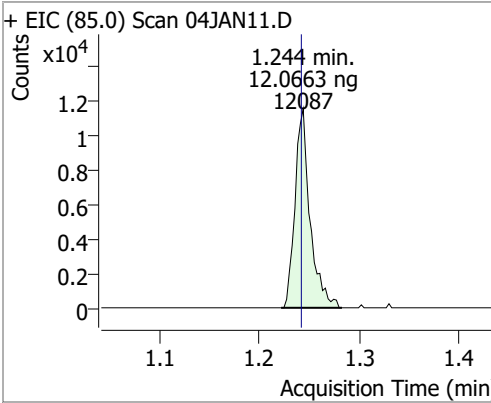
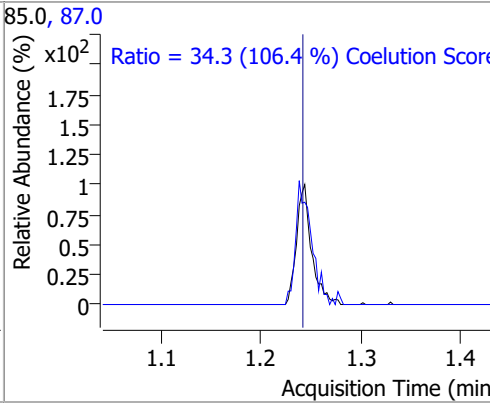
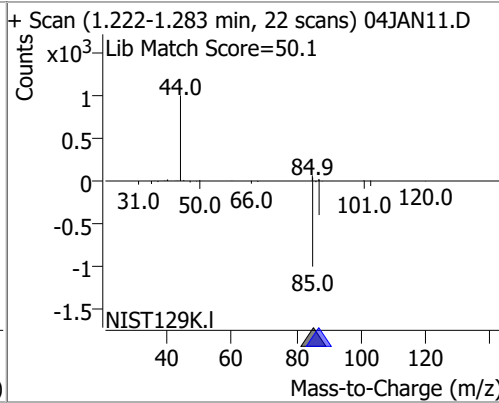
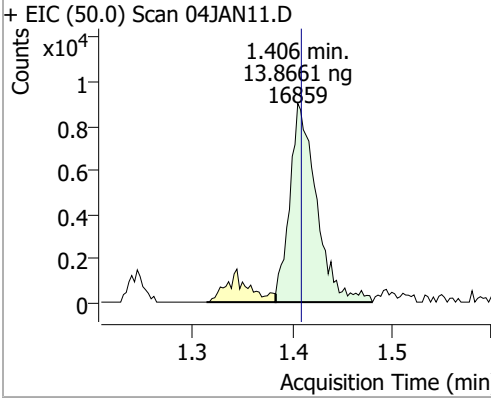
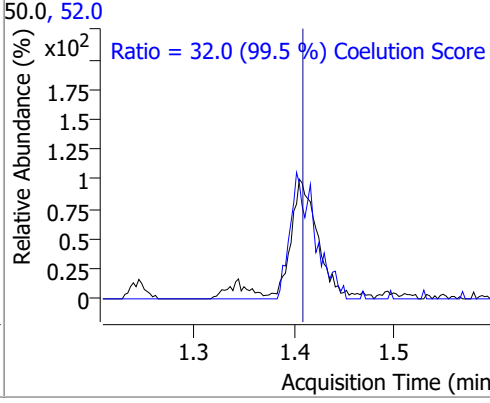
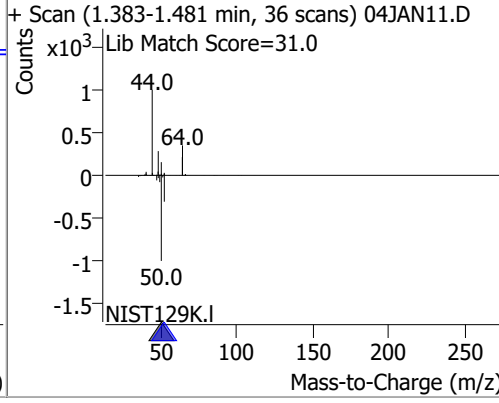
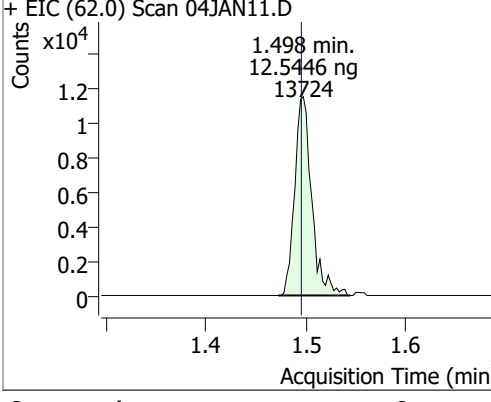
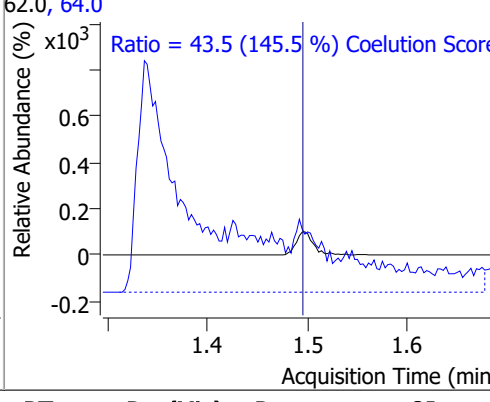
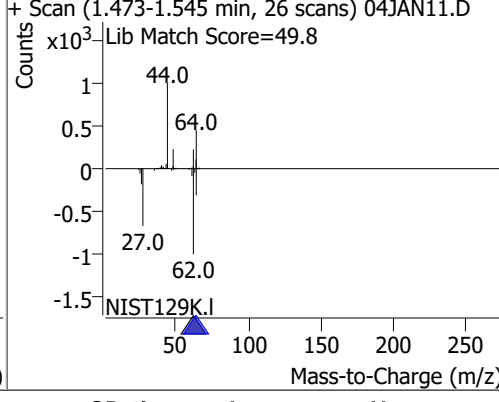
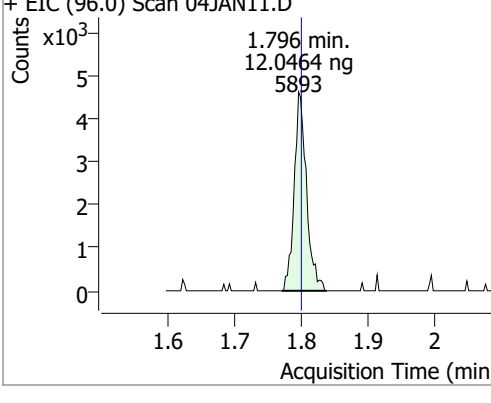
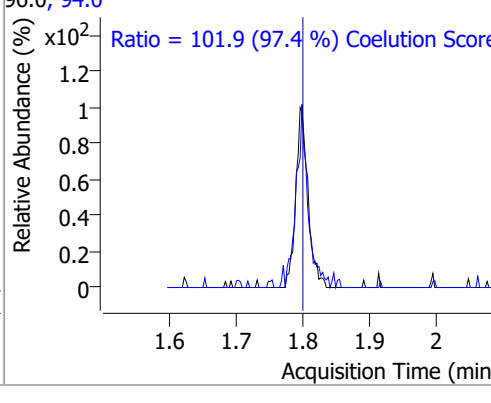
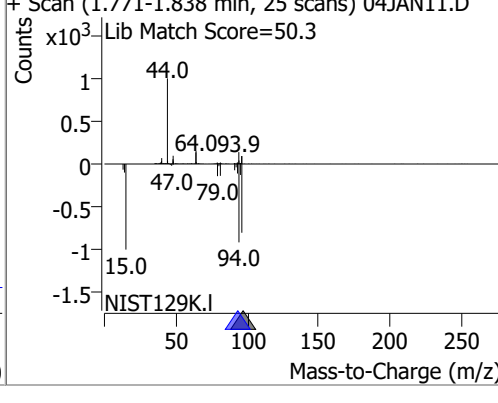


# Quantitation Results Report (QT Reviewed)

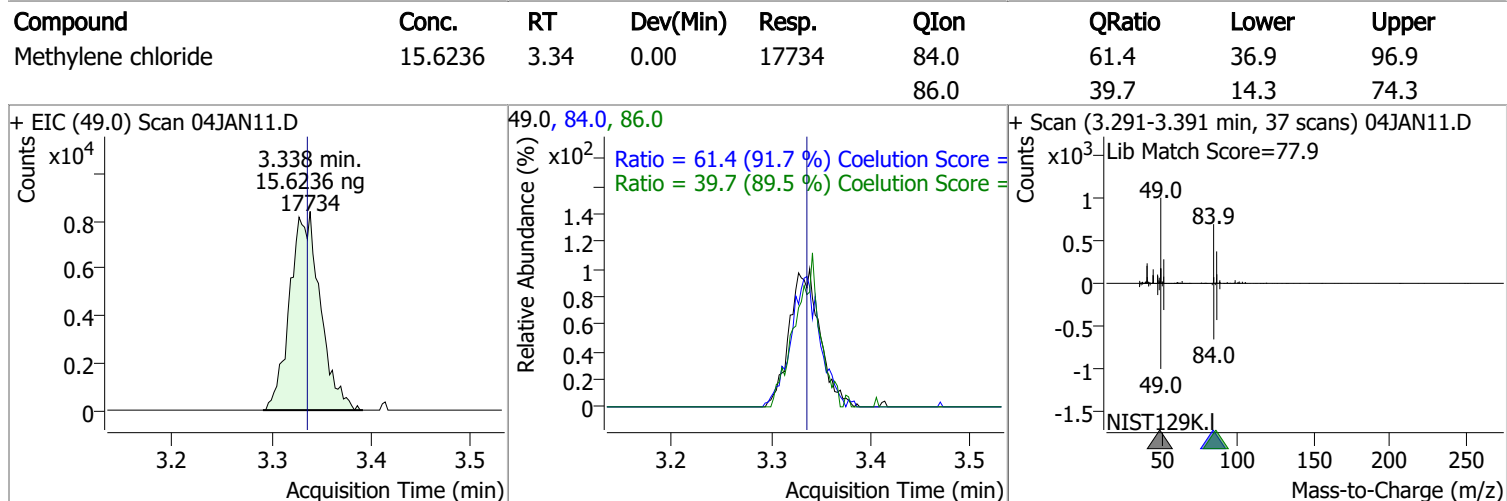
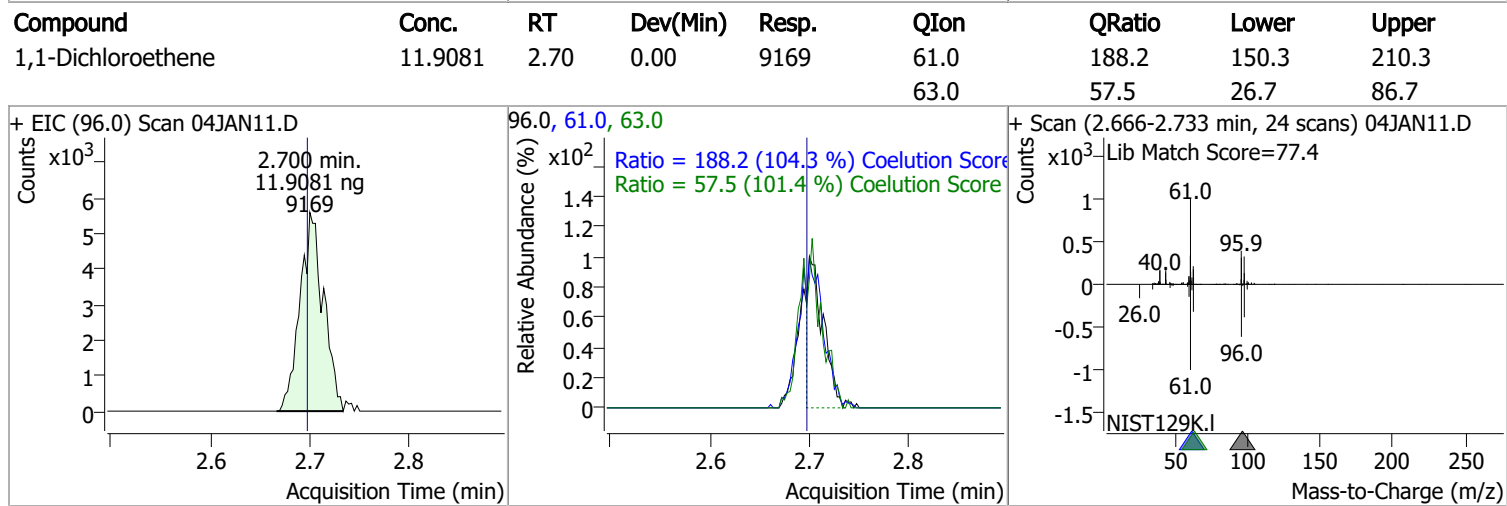
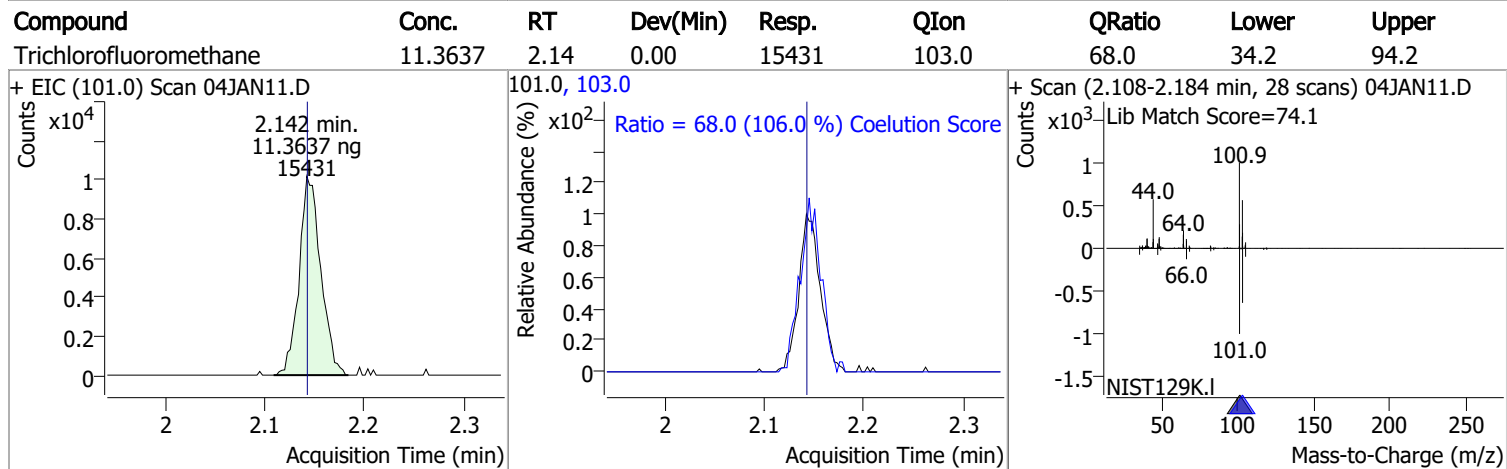
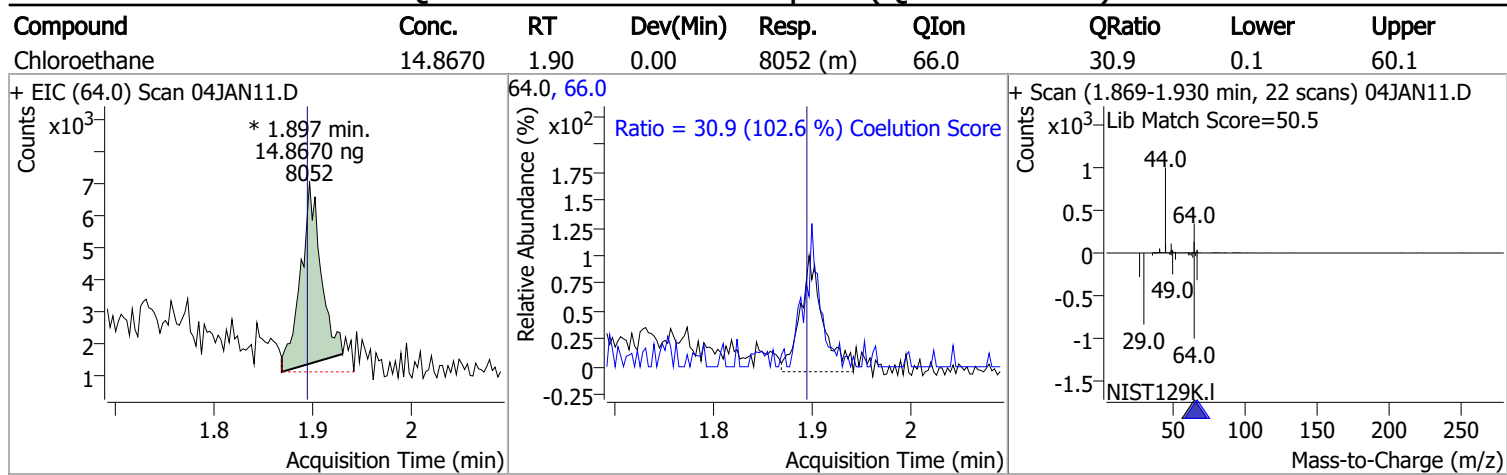
| Compound                    | RT     | QIon  | Resp. | Conc.   | Units | Dev(Min) |
|-----------------------------|--------|-------|-------|---------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.837  | 97.0  | 16623 | 12.1891 | ng    | 97       |
| T Carbon tetrachloride      | 6.021  | 117.0 | 16466 | 12.2545 | ng    | 98       |
| T 1,1-Dichloropropene       | 6.038  | 75.0  | 13149 | 11.3397 | ng    | 94       |
| T Benzene                   | 6.278  | 78.0  | 37071 | 12.1801 | ng    | 99       |
| T 1,2-Dichloroethane        | 6.322  | 62.0  | 10202 | 12.3906 | ng    | 92       |
| T Trichloroethene           | 7.025  | 95.0  | 10442 | 11.6753 | ng    | 94       |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 9488  | 12.0602 | ng    | 99       |
| T Dibromomethane            | 7.399  | 93.0  | 4675  | 14.0619 | ng    | 93       |
| T Bromodichloromethane      | 7.585  | 83.0  | 11562 | 12.6014 | ng    | 97       |
| T cis-1,3-Dichloropropene   | 8.062  | 75.0  | 12525 | 12.0738 | ng    | 94       |
| T Toluene                   | 8.388  | 92.0  | 21794 | 11.2899 | ng    | 97       |
| T trans-1,3-Dichloropropene | 8.645  | 75.0  | 8683  | 11.7589 | ng    | 98       |
| T 1,1,2-Trichloroethane     | 8.824  | 83.0  | 5090  | 13.2340 | ng    | m 91     |
| T Tetrachloroethene         | 8.935  | 163.8 | 9238  | 11.7302 | ng    | 99       |
| T 1,3-Dichloropropane       | 8.985  | 76.0  | 8967  | 11.8526 | ng    | 97       |
| T Chlorodibromomethane      | 9.206  | 129.0 | 7718  | 12.8393 | ng    | 97       |
| T 1,2-Dibromoethane         | 9.300  | 107.0 | 5410  | 12.8640 | ng    | 100      |
| T Chlorobenzene             | 9.802  | 112.0 | 26461 | 12.5204 | ng    | 99       |
| T 1,1,1,2-Tetrachloroethane | 9.889  | 131.0 | 9473  | 12.8225 | ng    | 88       |
| T Ethylbenzene              | 9.917  | 91.0  | 40470 | 11.0411 | ng    | 99       |
| T m+p-Xylenes               | 10.037 | 106.0 | 31538 | 22.1410 | ng    | 100      |
| T o-Xylene                  | 10.430 | 106.0 | 13519 | 10.6612 | ng    | 92       |
| T Styrene                   | 10.449 | 104.0 | 23472 | 11.4968 | ng    | 100      |
| T Bromoform                 | 10.625 | 172.5 | 3652  | 11.7860 | ng    | 92       |
| T Bromobenzene              | 11.096 | 156.0 | 9663  | 12.3310 | ng    | 96       |
| T 1,1,2,2-Tetrachloroethane | 11.116 | 83.0  | 5793  | 12.8437 | ng    | 99       |
| T 1,2,3-Trichloropropane    | 11.144 | 110.0 | 1654  | 13.7084 | ng    | m 99     |
| T 2-Chlorotoluene           | 11.289 | 126.0 | 8731  | 11.1977 | ng    | 94       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 28532 | 11.2233 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.036 | 146.0 | 16932 | 11.8473 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.122 | 146.0 | 17438 | 11.9662 | ng    | 94       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 14666 | 12.1423 | ng    | 98       |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

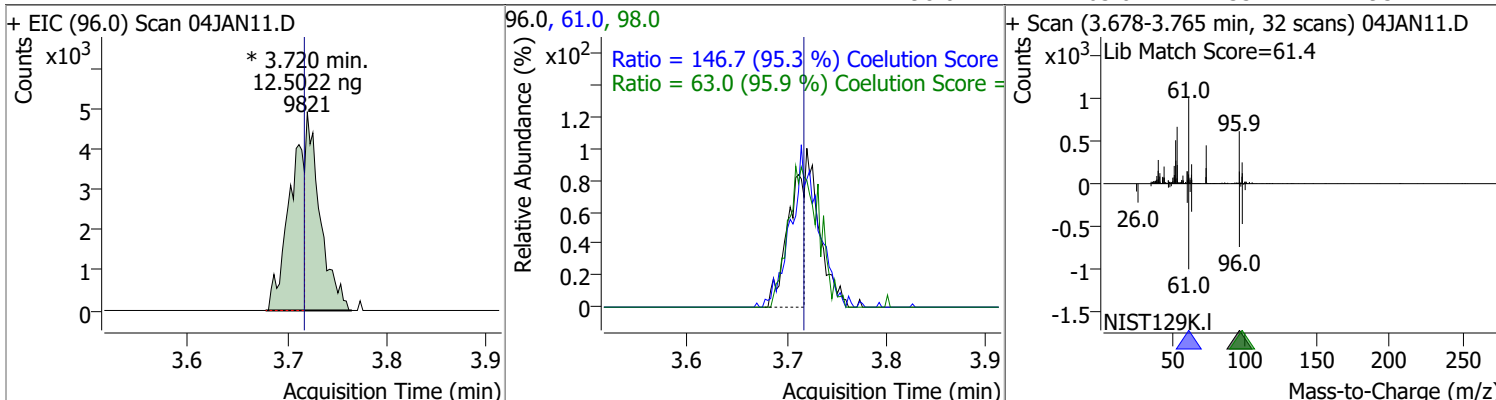
| Compound  | Conc.   | RT   | Dev(Min)   | Resp. | QIon | QRatio  | Lower | Upper |
|---|---------|------|--|-------|------|---|-------|-------|
| Dichlorodifluoromethane   | 12.0663 | 1.24 | 0.00   | 12087 | 87.0 | 34.3  | 2.3   | 62.3  |
| + EIC (85.0) Scan 04JAN11.D<br>   |         |      | 85.0, 87.0<br>   |       |      | + Scan (1.222-1.283 min, 22 scans) 04JAN11.D<br>Lib Match Score=50.1<br>   |       |       |
| Chloromethane   | 13.8661 | 1.41 | 0.00   | 16859 | 52.0 | 32.0  | 2.1   | 62.1  |
| + EIC (50.0) Scan 04JAN11.D<br>  |         |      | 50.0, 52.0<br>  |       |      | + Scan (1.383-1.481 min, 36 scans) 04JAN11.D<br>Lib Match Score=31.0<br>  |       |       |
| Vinyl chloride  | 12.5446 | 1.50 | 0.00   | 13724 | 64.0 | 43.5  | 0.0   | 59.9  |
| + EIC (62.0) Scan 04JAN11.D<br> |         |      | 62.0, 64.0<br> |       |      | + Scan (1.473-1.545 min, 26 scans) 04JAN11.D<br>Lib Match Score=49.8<br> |       |       |
| Bromomethane  | 12.0464 | 1.80 | 0.00   | 5893  | 94.0 | 101.9   | 74.6  | 134.6 |
| + EIC (96.0) Scan 04JAN11.D<br> |         |      | 96.0, 94.0<br> |       |      | + Scan (1.771-1.838 min, 25 scans) 04JAN11.D<br>Lib Match Score=50.3<br> |       |       |

# Quantitation Results Report (QT Reviewed)

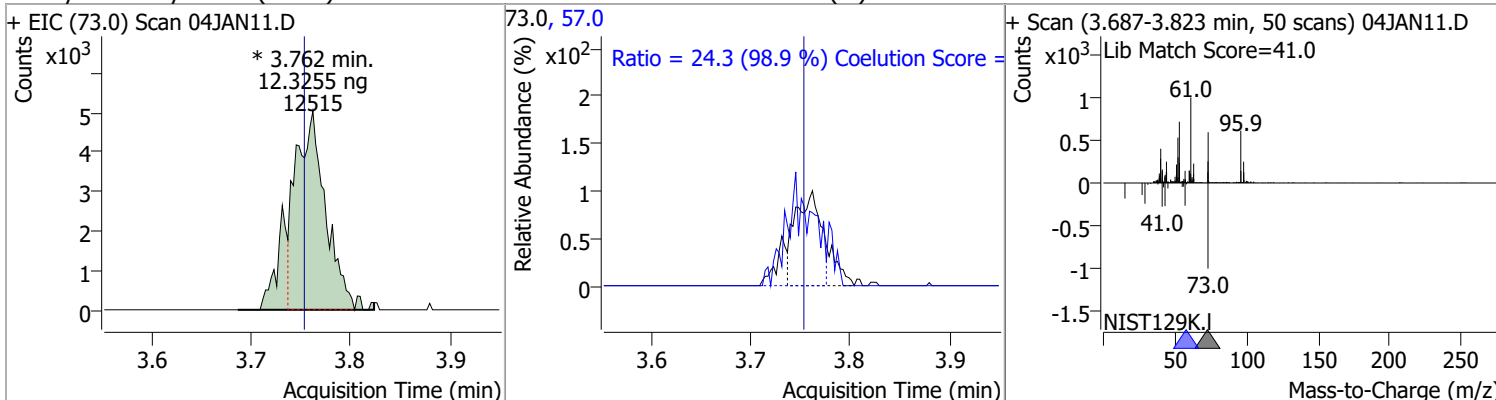


# Quantitation Results Report (QT Reviewed)

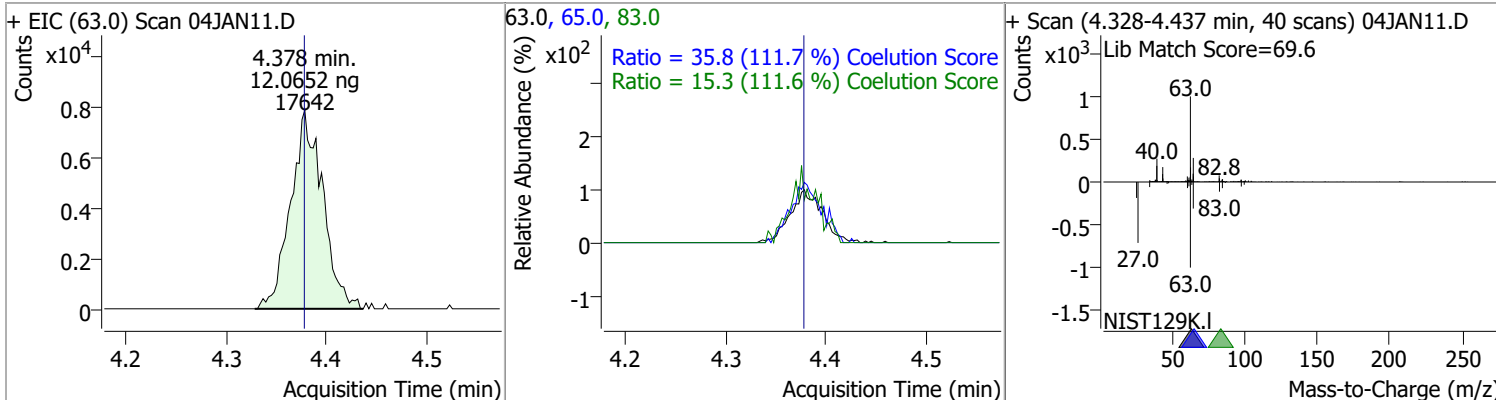
| Compound                 | Conc.   | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------------|---------|------|----------|----------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 12.5022 | 3.72 | 0.00     | 9821 (m) | 61.0 | 146.7  | 123.9 | 183.9 |
|                          |         |      |          |          | 98.0 | 63.0   | 35.7  | 95.7  |



| Compound                       | Conc.   | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|--------------------------------|---------|------|----------|-----------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 12.3255 | 3.76 | 0.01     | 12515 (m) | 57.0 | 24.3   | 0.0   | 54.6  |

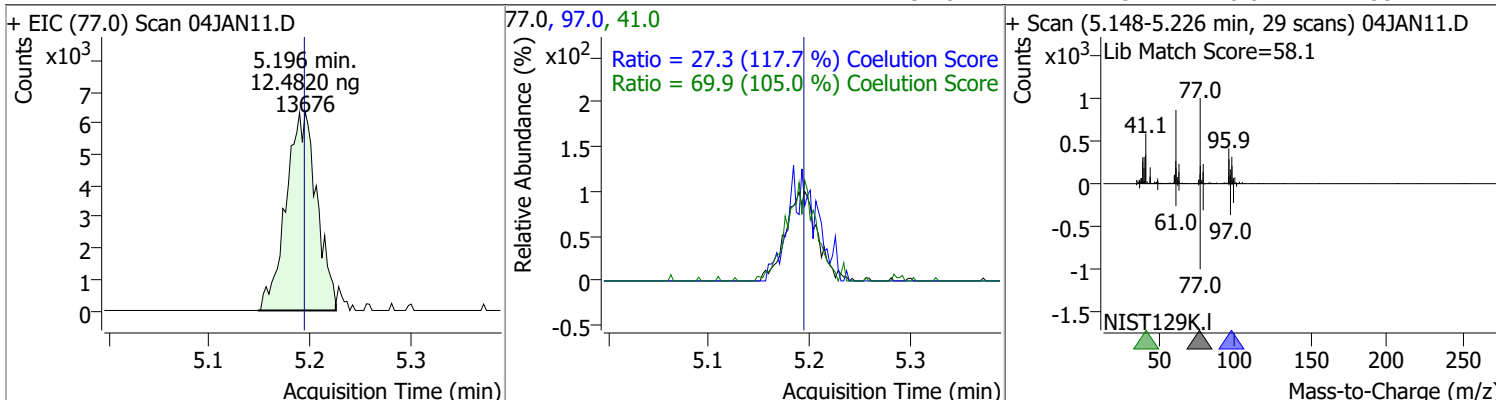


| Compound           | Conc.   | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-----------|------|--------|-------|-------|
| 1,1-Dichloroethane | 12.0652 | 4.38 | 0.00     | 17642 (m) | 65.0 | 35.8   | 2.1   | 62.1  |
|                    |         |      |          |           | 83.0 | 15.3   | 0.0   | 43.7  |

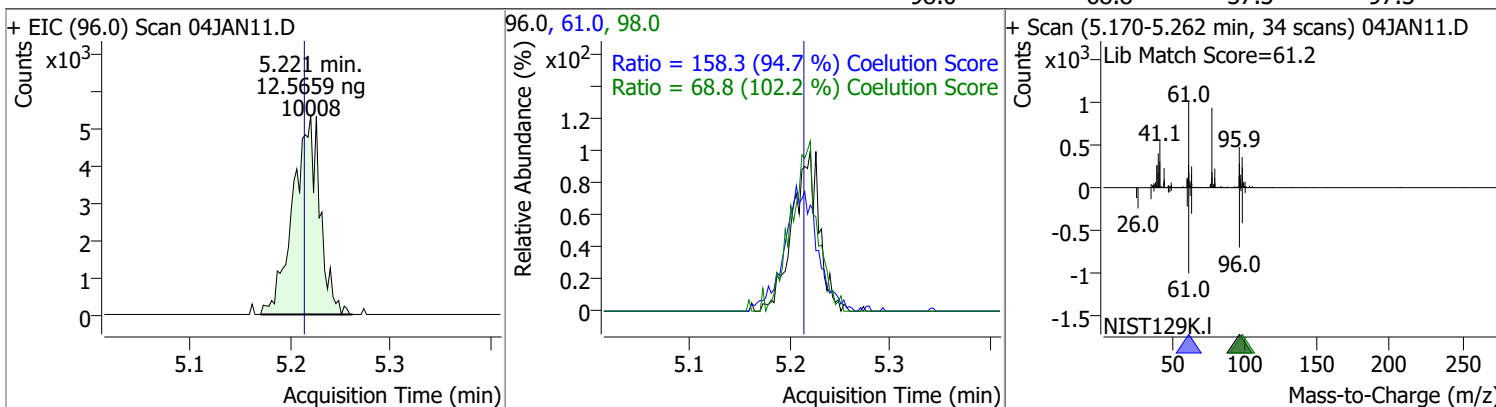


# Quantitation Results Report (QT Reviewed)

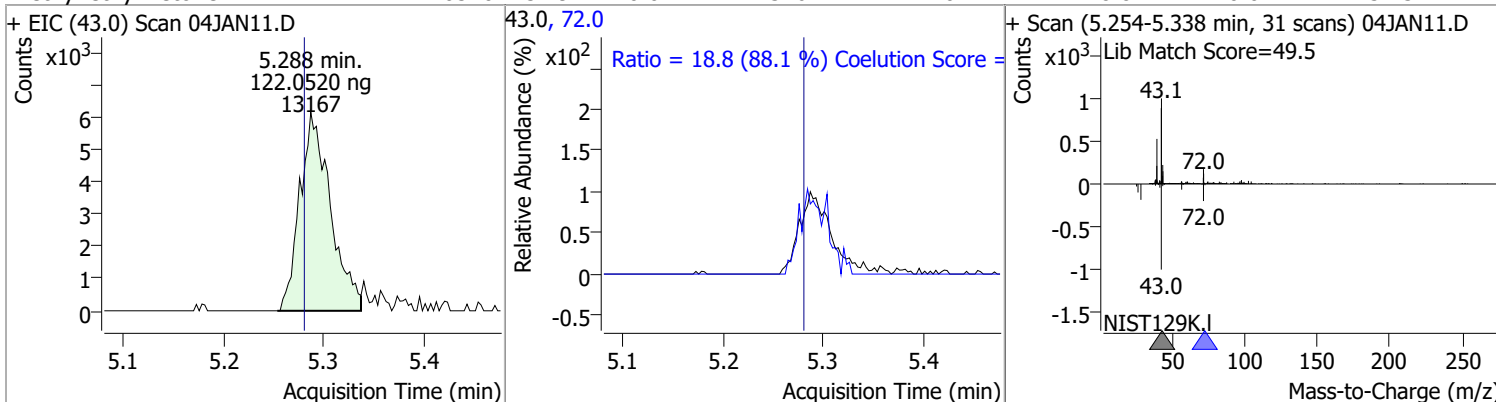
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 2,2-Dichloropropane | 12.4820 | 5.20 | 0.00     | 13676 | 41.0 | 69.9   | 36.5  | 96.5  |
|                     |         |      |          |       | 97.0 | 27.3   | 0.0   | 53.2  |



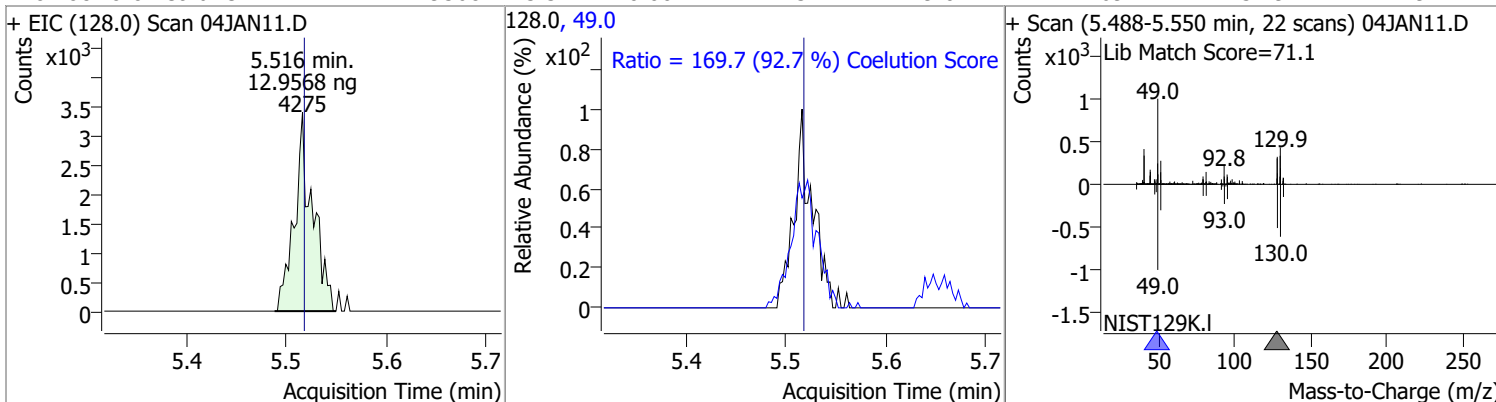
| Compound               | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------------------|---------|------|----------|-------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 12.5659 | 5.22 | 0.01     | 10008 | 61.0 | 158.3  | 137.2 | 197.2 |
|                        |         |      |          |       | 98.0 | 68.8   | 37.3  | 97.3  |



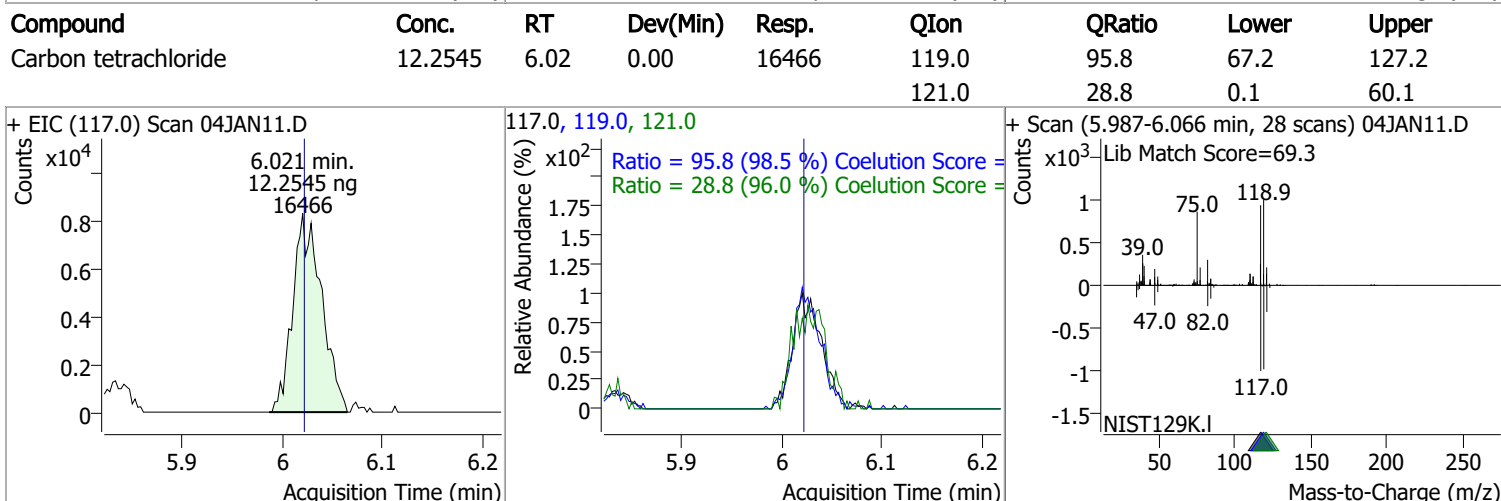
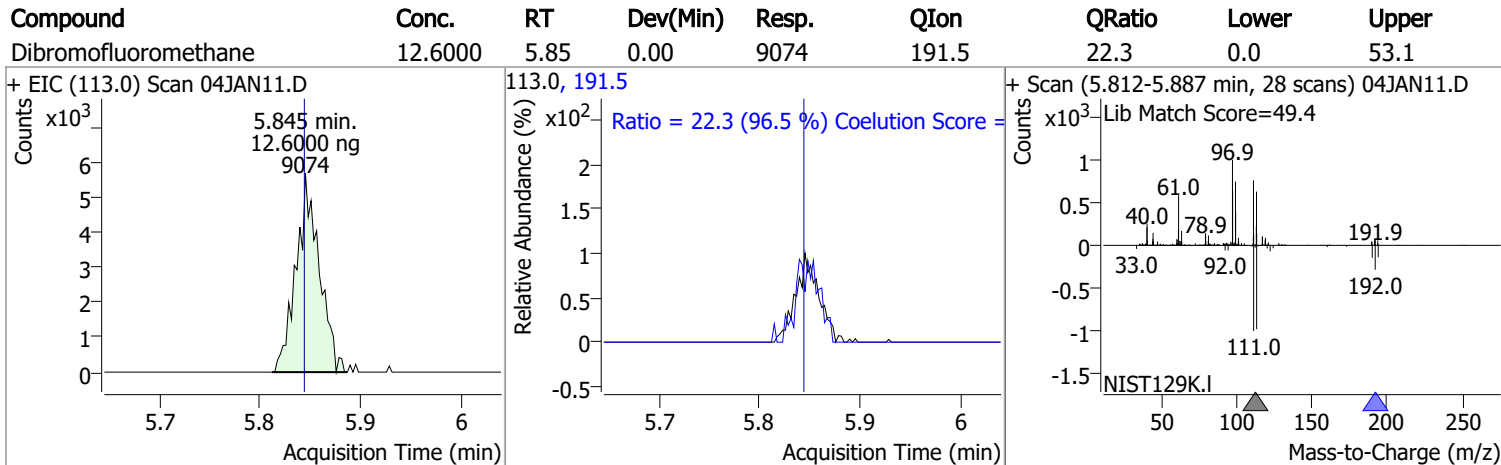
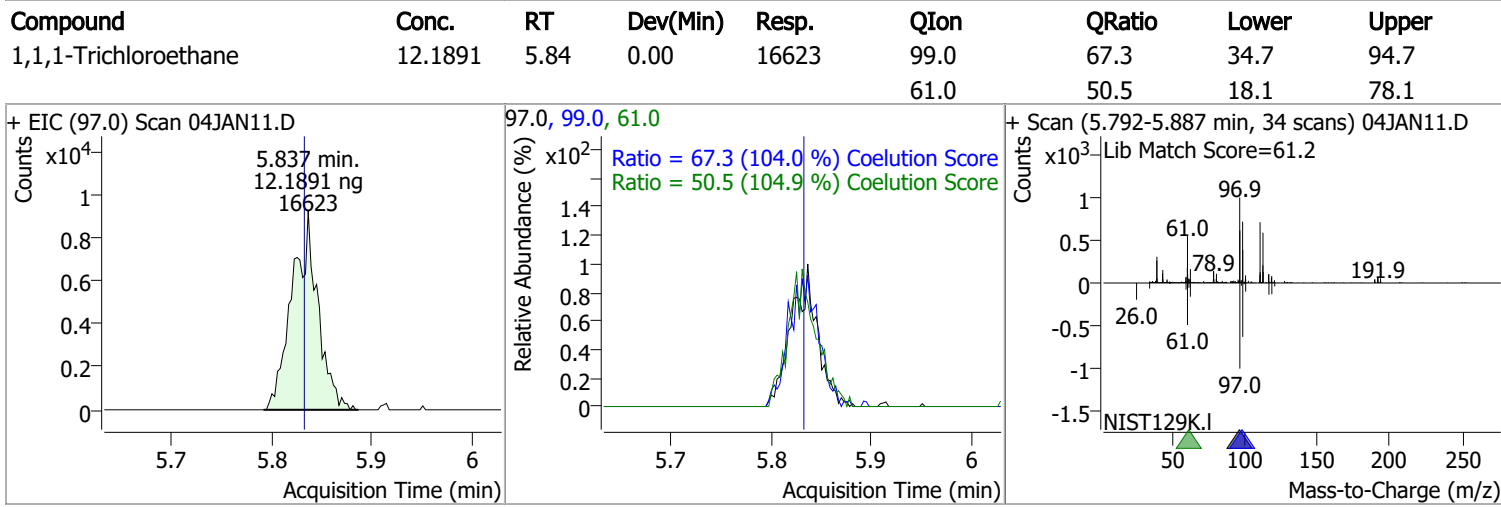
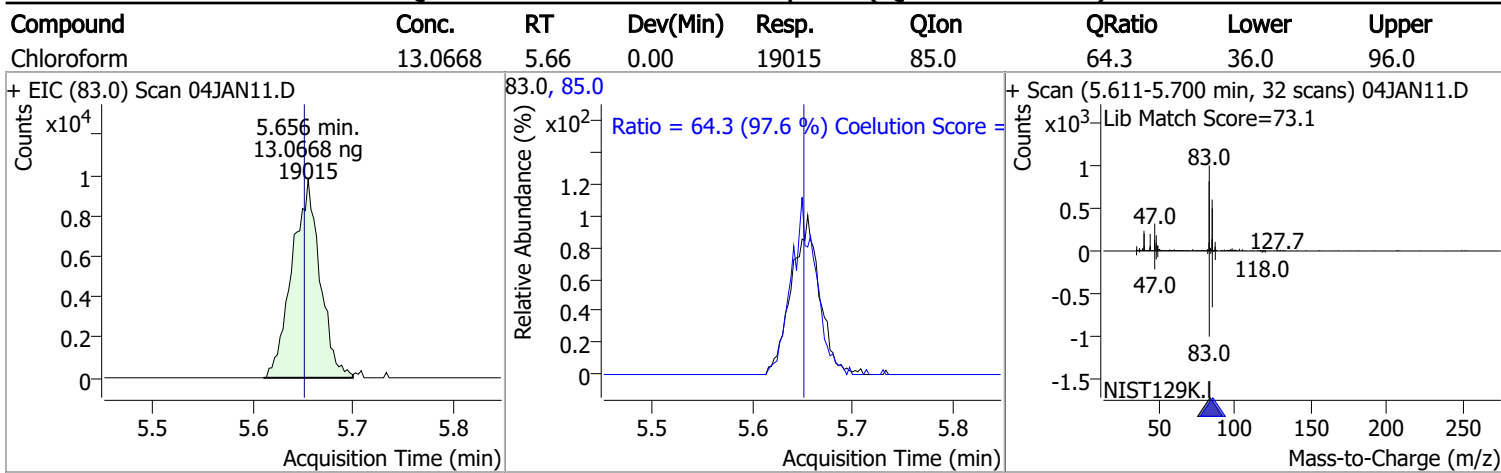
| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| Methyl ethyl ketone | 122.0520 | 5.29 | 0.01     | 13167 | 72.0 | 18.8   | 0.0   | 51.3  |



| Compound           | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 12.9568 | 5.52 | 0.00     | 4275  | 49.0 | 169.7  | 152.9 | 212.9 |

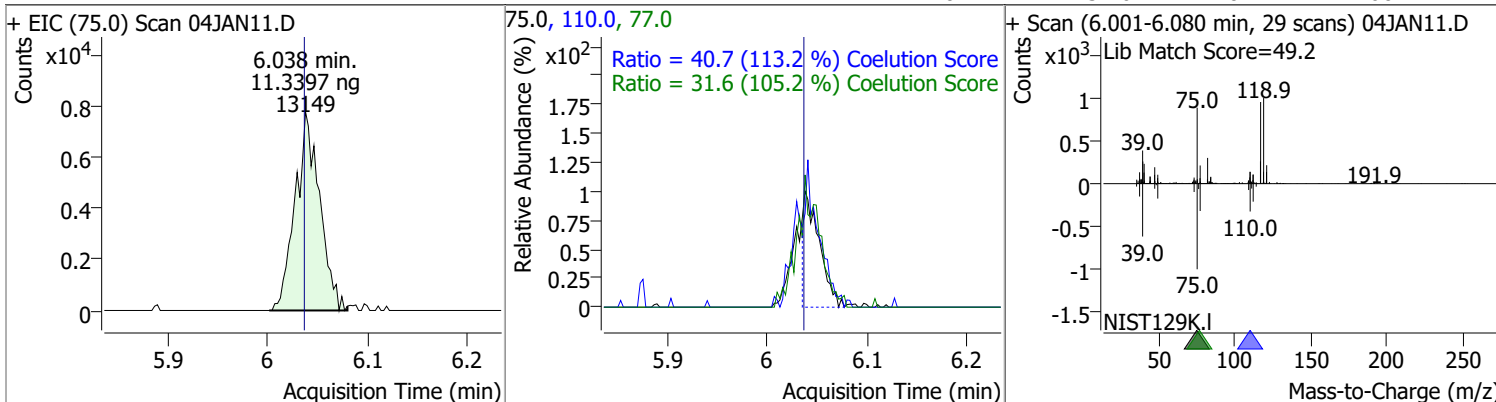


# Quantitation Results Report (QT Reviewed)

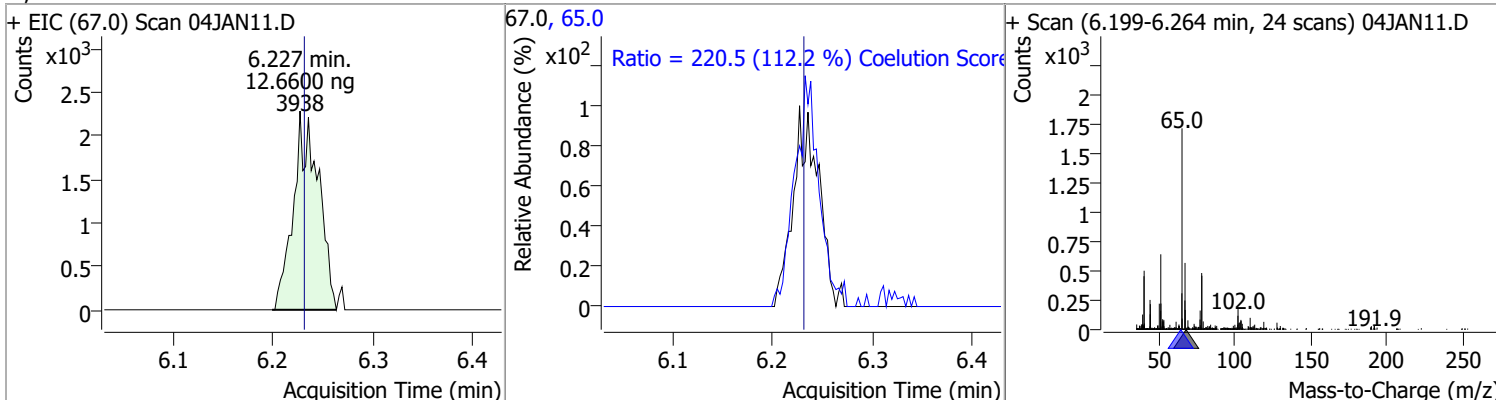


# Quantitation Results Report (QT Reviewed)

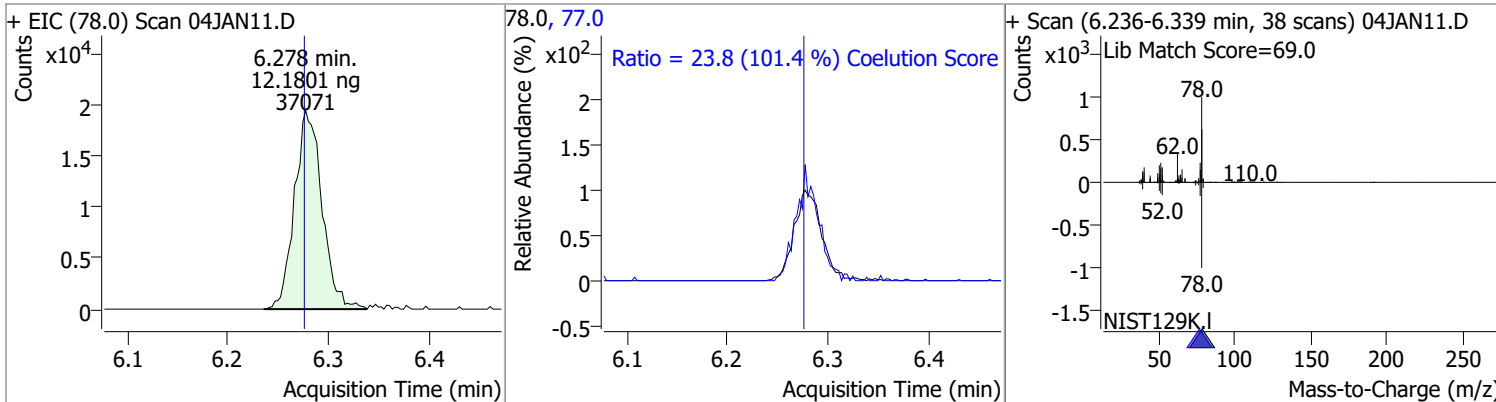
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 11.3397 | 6.04 | 0.00     | 13149 | 110.0 | 40.7   | 5.9   | 65.9  |
|                     |         |      |          |       | 77.0  | 31.6   | 0.1   | 60.1  |



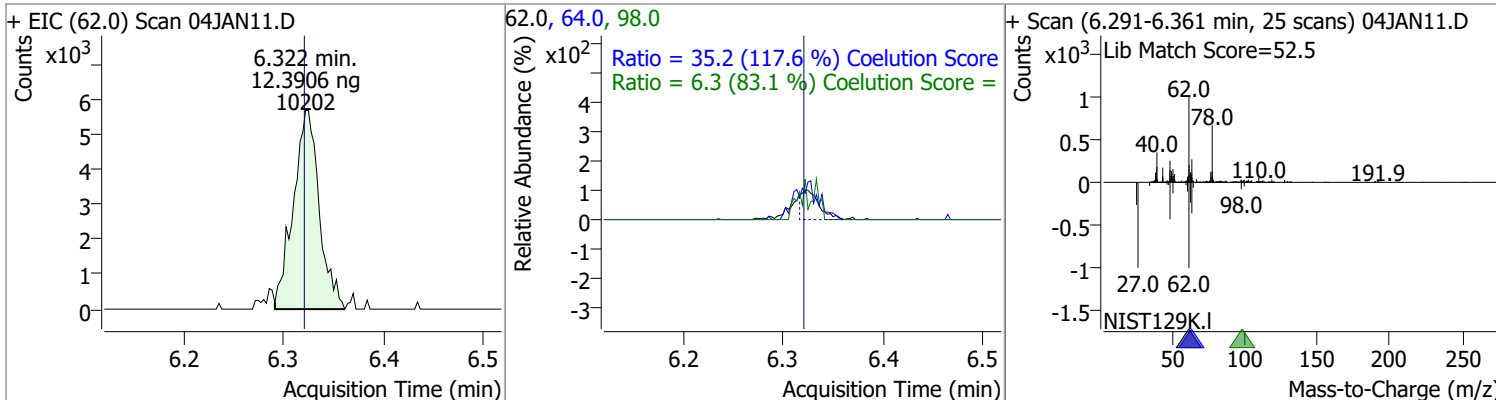
| Compound              | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 12.6600 | 6.23 | -0.01    | 3938  | 65.0 | 220.5  | 166.5 | 226.5 |



| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| Benzene  | 12.1801 | 6.28 | 0.00     | 37071 | 77.0 | 23.8   | 0.0   | 53.5  |



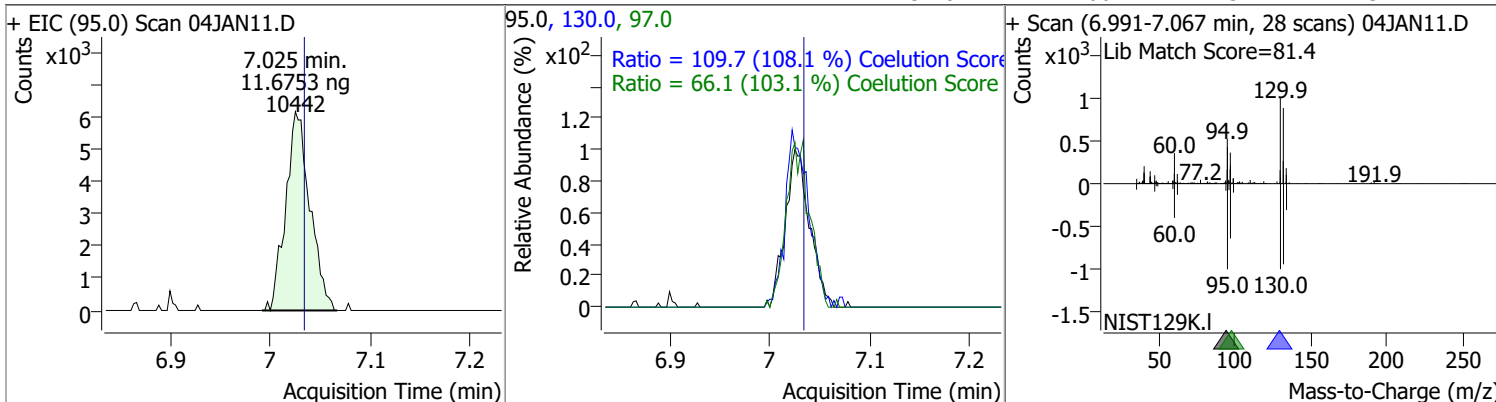
| Compound           | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane | 12.3906 | 6.32 | 0.00     | 10202 | 64.0 | 35.2   | 0.0   | 59.9  |
|                    |         |      |          |       | 98.0 | 6.3    | 0.0   | 37.6  |



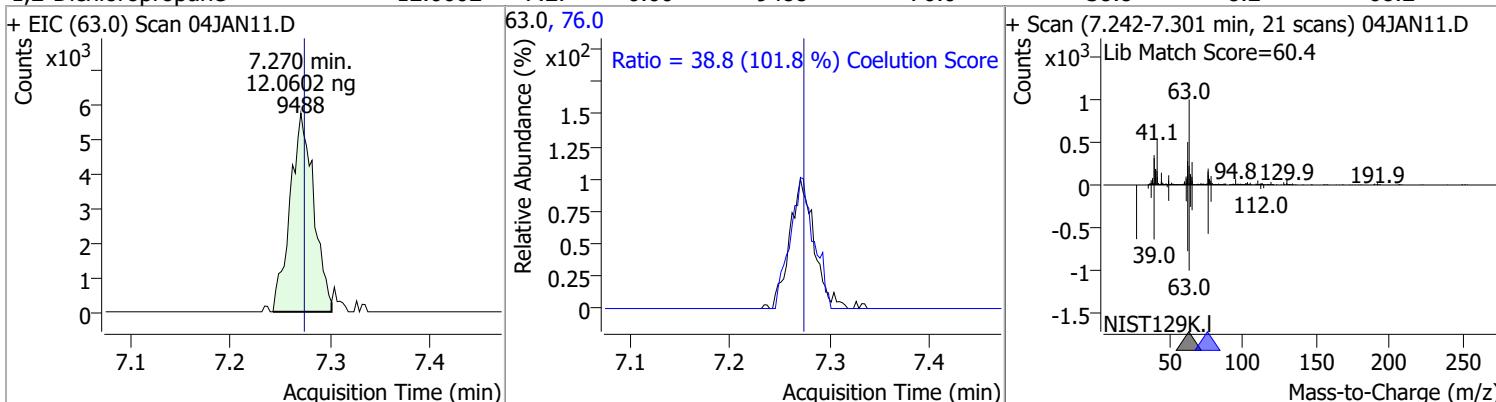


# Quantitation Results Report (QT Reviewed)

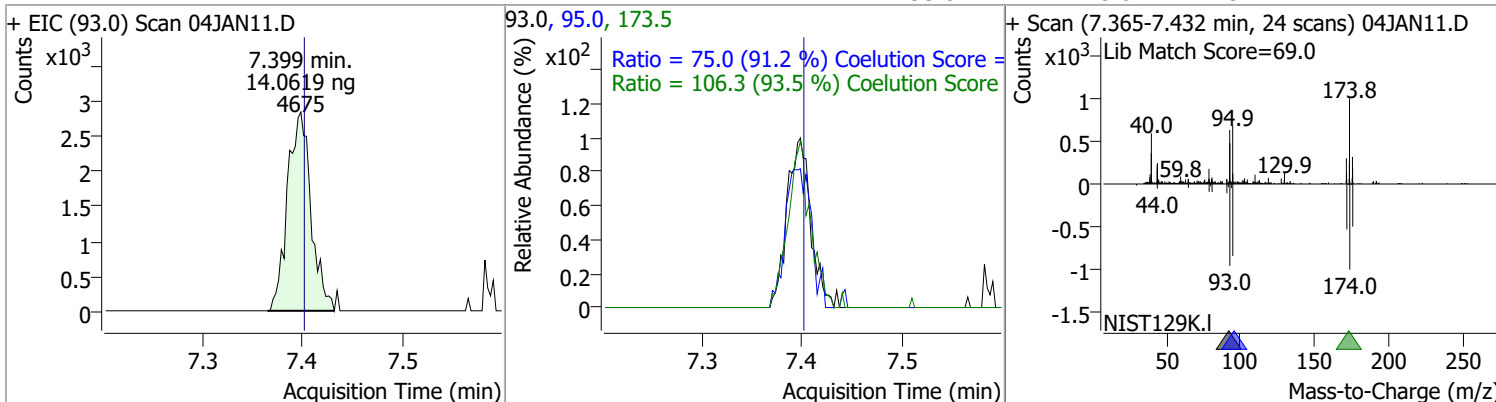
| Compound        | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------------|---------|------|----------|-------|-------|--------|-------|-------|
| Trichloroethene | 11.6753 | 7.02 | -0.01    | 10442 | 130.0 | 109.7  | 71.5  | 131.5 |
|                 |         |      |          |       | 97.0  | 66.1   | 34.1  | 94.1  |



| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloropropane | 12.0602 | 7.27 | 0.00     | 9488  | 76.0 | 38.8   | 8.2   | 68.2  |



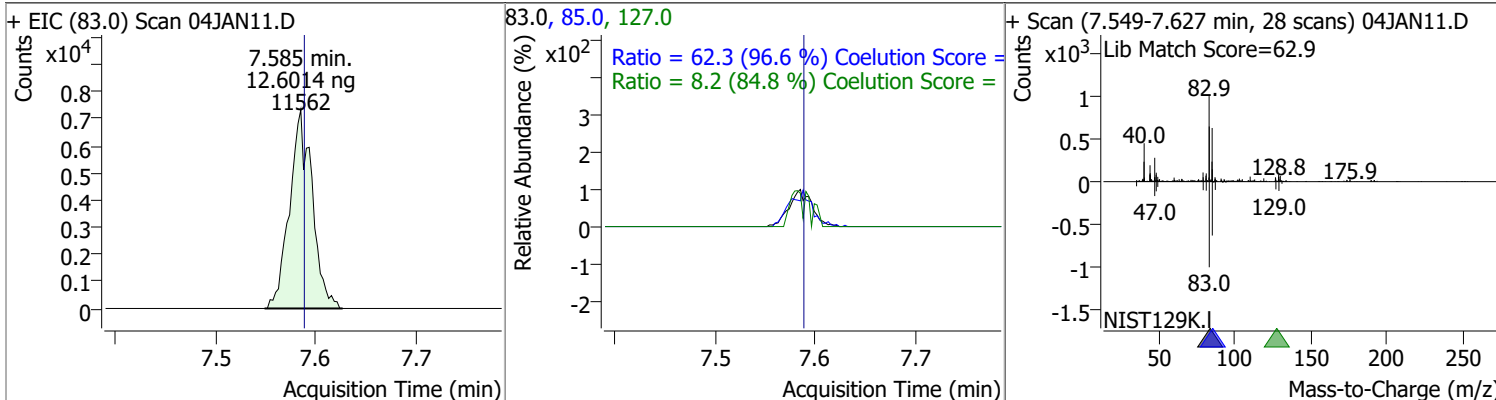
| Compound       | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|---------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 14.0619 | 7.40 | 0.00     | 4675  | 173.5 | 106.3  | 83.7  | 143.7 |
|                |         |      |          |       | 95.0  | 75.0   | 52.2  | 112.2 |



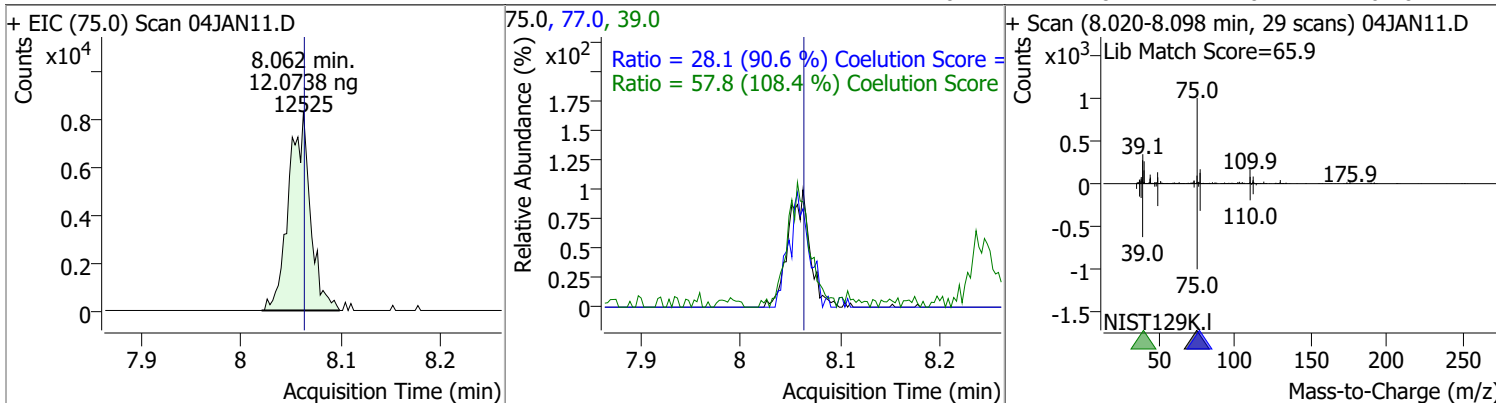


# Quantitation Results Report (QT Reviewed)

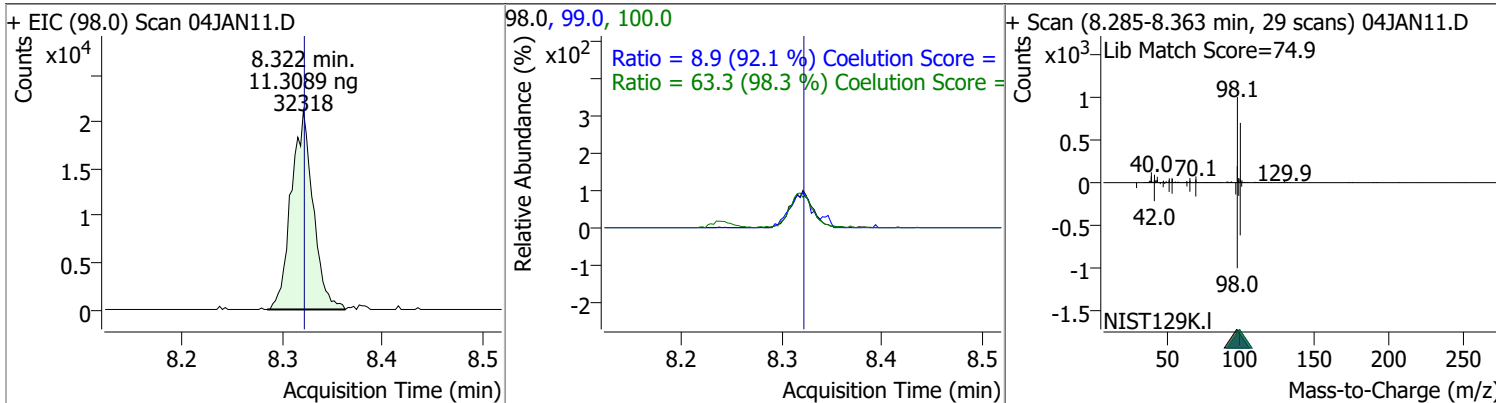
| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Bromodichloromethane | 12.6014 | 7.59 | 0.00     | 11562 | 85.0  | 62.3   | 34.5  | 94.5  |
|                      |         |      |          |       | 127.0 | 8.2    | 0.0   | 39.6  |



| Compound                | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------------------|---------|------|----------|-------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 12.0738 | 8.06 | 0.00     | 12525 | 39.0 | 57.8   | 23.3  | 83.3  |
|                         |         |      |          |       | 77.0 | 28.1   | 1.0   | 61.0  |



| Compound   | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------|---------|------|----------|-------|-------|--------|-------|-------|
| Toluene-d8 | 11.3089 | 8.32 | 0.00     | 32318 | 100.0 | 63.3   | 34.4  | 94.4  |
|            |         |      |          |       | 99.0  | 8.9    | 0.0   | 39.6  |

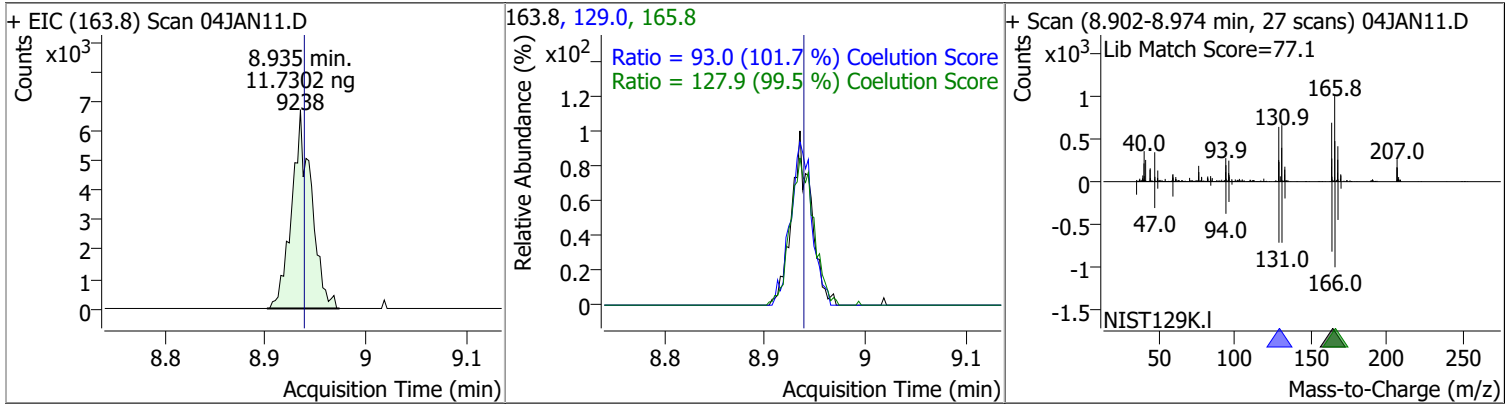


# Quantitation Results Report (QT Reviewed)

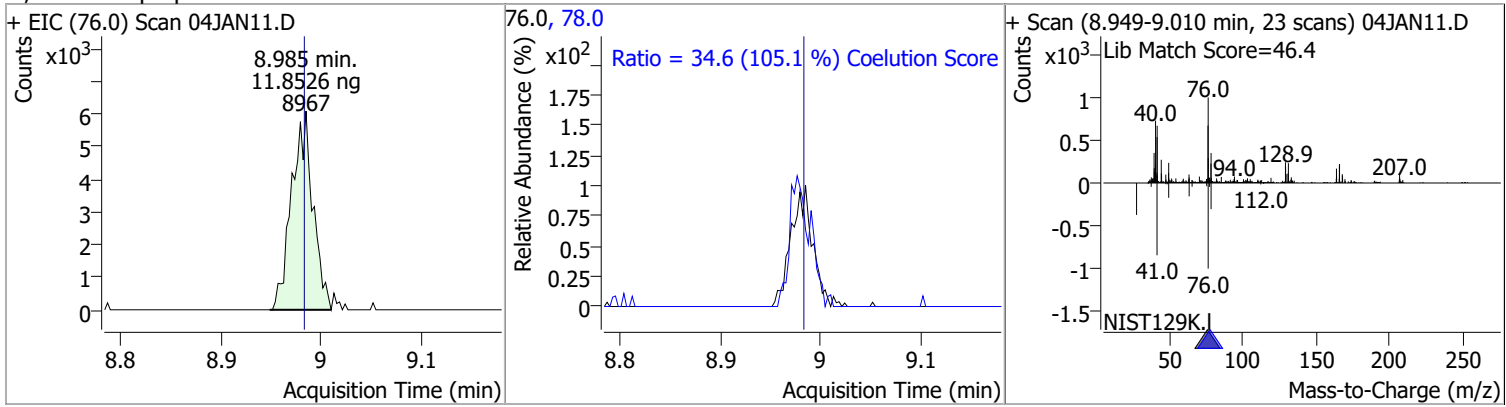
| Compound                    | Conc.   | RT   | Dev(Min)         | Resp.    | QIon         | QRatio                                       | Lower        | Upper         |
|-----------------------------|---------|------|------------------|----------|--------------|--|--------------|---------------|
| Toluene                     | 11.2899 | 8.39 | 0.00             | 21794    | 91.0         | 172.2  | 145.8        | 205.8         |
| + EIC (92.0) Scan 04JAN11.D |         |      | 92.0, 91.0       |          |              | + Scan (8.349-8.419 min, 25 scans) 04JAN11.D |              |               |
|                             |         |      |                  |          |              |  |              |               |
| trans-1,3-Dichloropropene   | 11.7589 | 8.65 | 0.01             | 8683     | 39.0<br>77.0 | 53.4<br>35.5                                 | 23.4<br>2.4  | 83.4<br>62.4  |
| + EIC (75.0) Scan 04JAN11.D |         |      | 75.0, 77.0, 39.0 |          |              | + Scan (8.603-8.676 min, 27 scans) 04JAN11.D |              |               |
|                             |         |      |                  |          |              |  |              |               |
| 1,1,2-Trichloroethane       | 13.2340 | 8.82 | 0.01             | 5090 (m) | 97.0<br>85.0 | 105.6<br>59.6                                | 84.6<br>37.6 | 144.6<br>97.6 |
| + EIC (83.0) Scan 04JAN11.D |         |      | 83.0, 97.0, 85.0 |          |              | + Scan (8.768-8.882 min, 41 scans) 04JAN11.D |              |               |
|                             |         |      |                  |          |              |  |              |               |

# Quantitation Results Report (QT Reviewed)

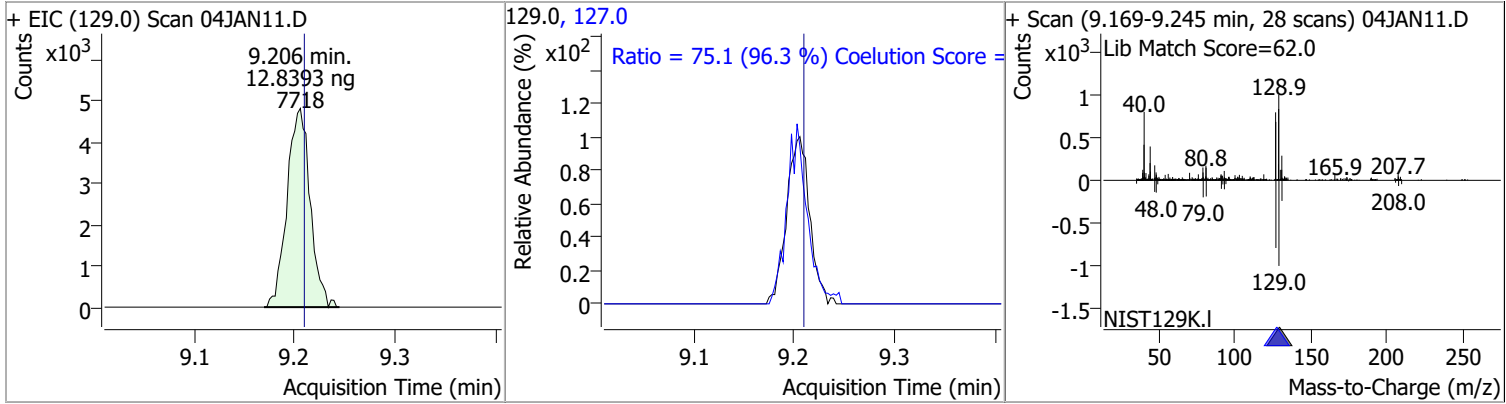
| Compound          | Conc.   | RT   | Dev(Min) | Resp. | QIon           | QRatio        | Lower        | Upper          |
|-------------------|---------|------|----------|-------|----------------|---------------|--------------|----------------|
| Tetrachloroethene | 11.7302 | 8.94 | 0.00     | 9238  | 165.8<br>129.0 | 127.9<br>93.0 | 98.6<br>61.5 | 158.6<br>121.5 |



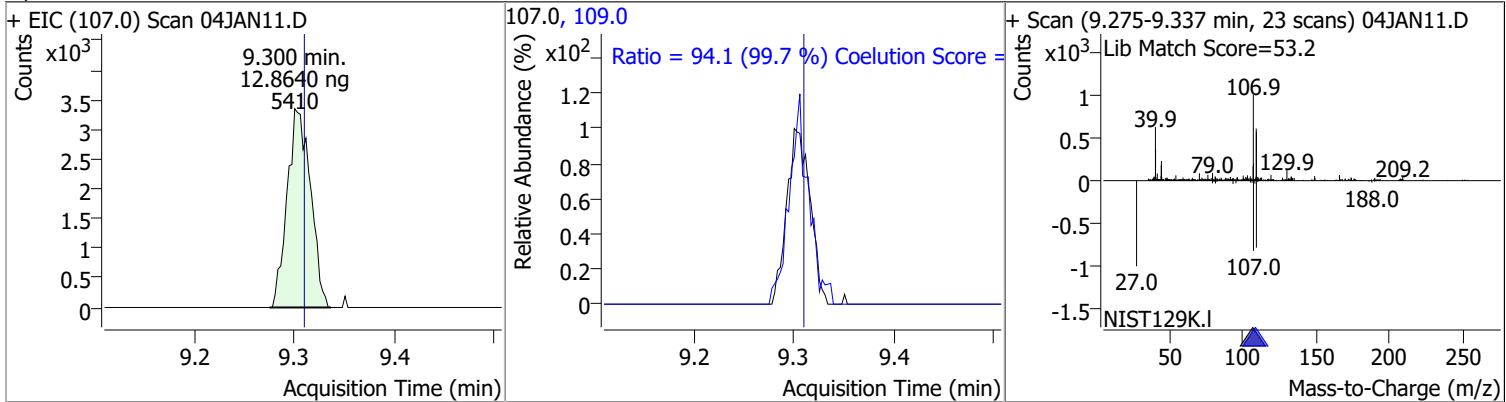
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,3-Dichloropropane | 11.8526 | 8.99 | 0.01     | 8967  | 78.0 | 34.6   | 2.9   | 62.9  |



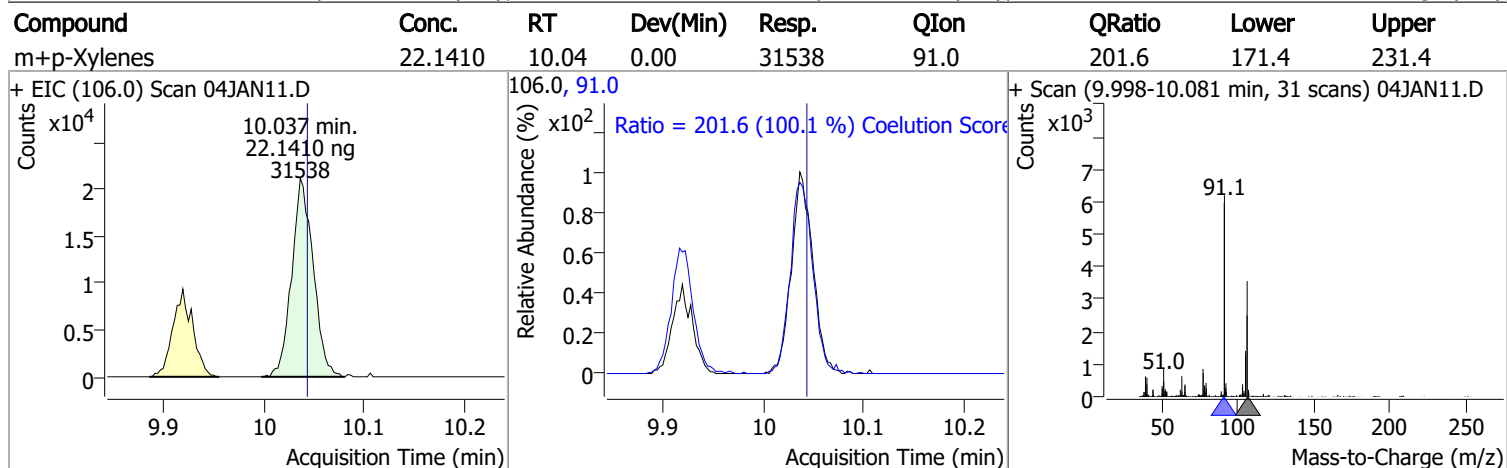
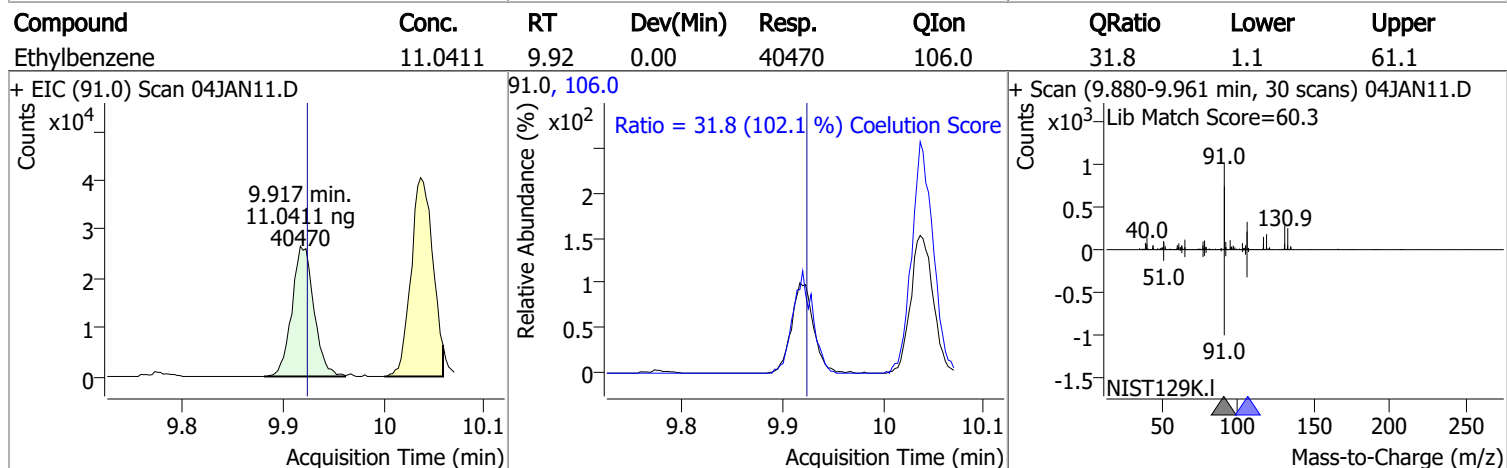
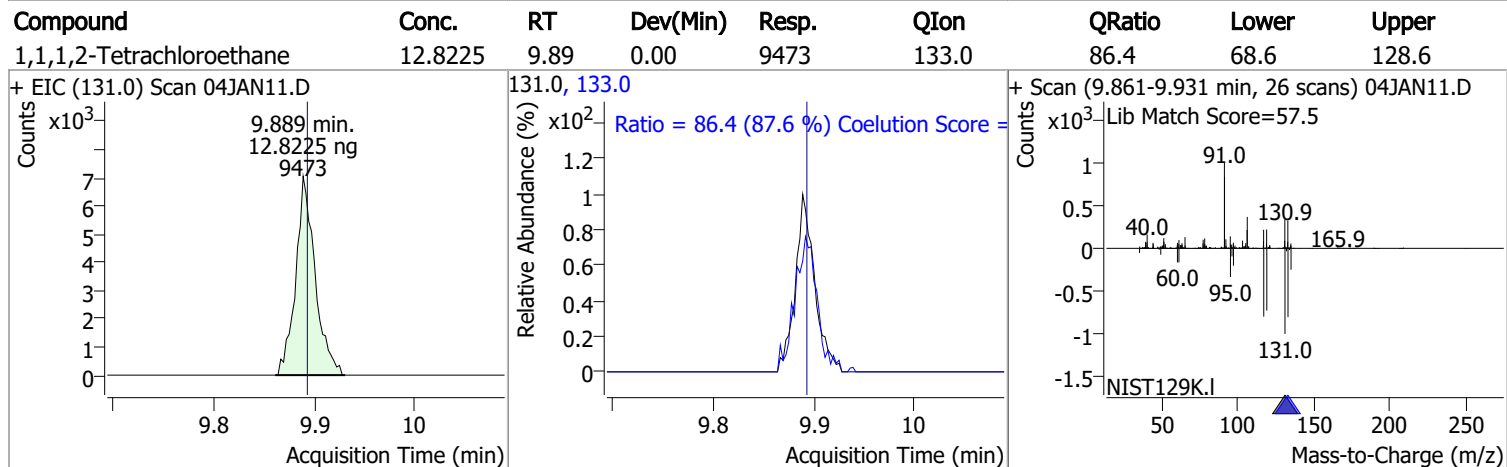
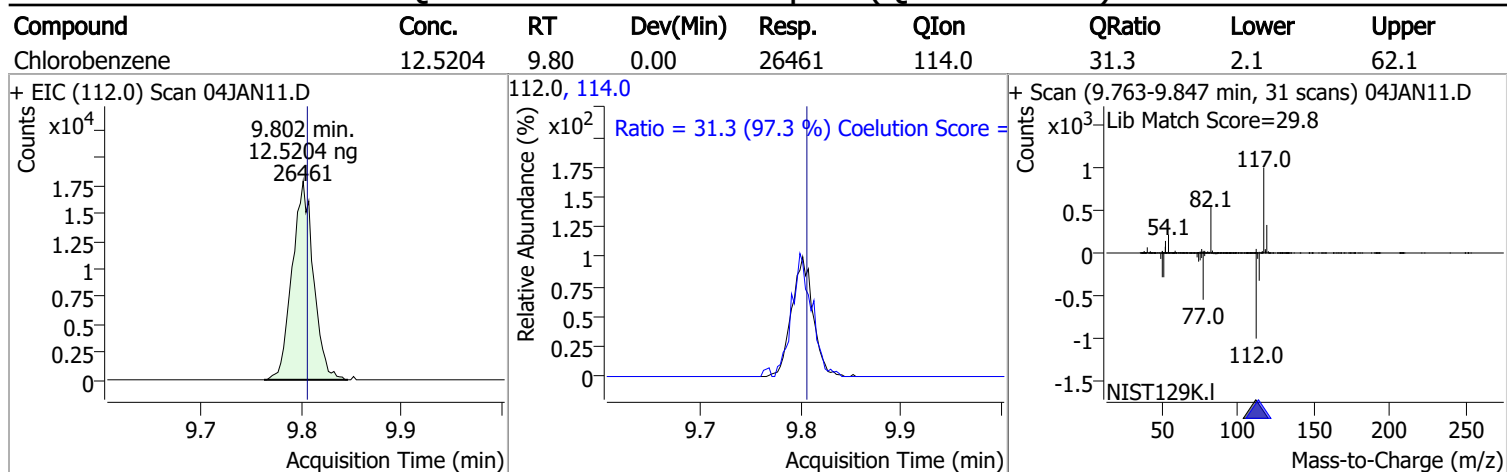
| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 12.8393 | 9.21 | 0.00     | 7718  | 127.0 | 75.1   | 48.0  | 108.0 |



| Compound          | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|---------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 12.8640 | 9.30 | -0.01    | 5410  | 109.0 | 94.1   | 64.5  | 124.5 |

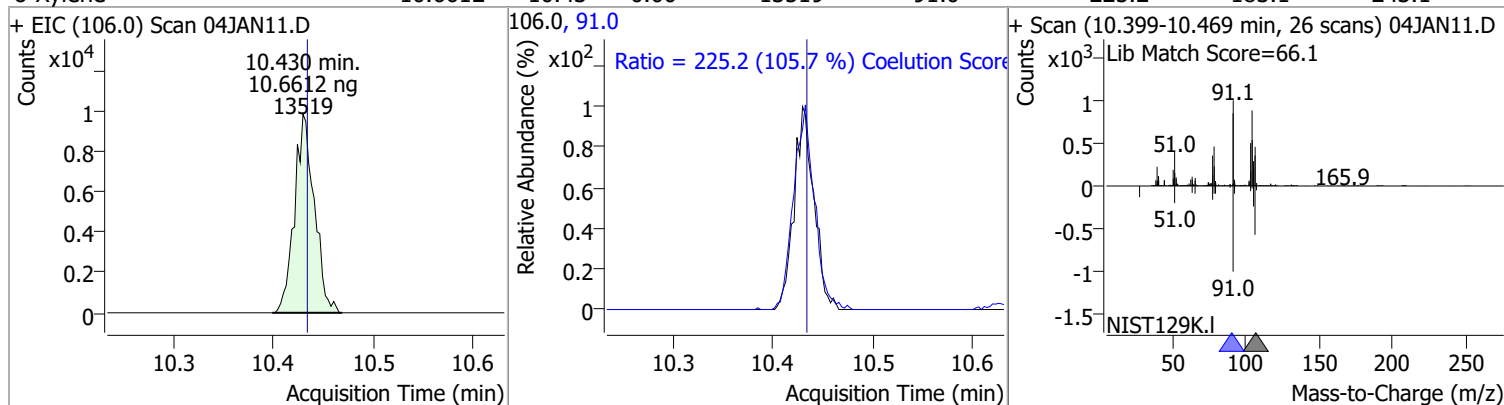


# Quantitation Results Report (QT Reviewed)

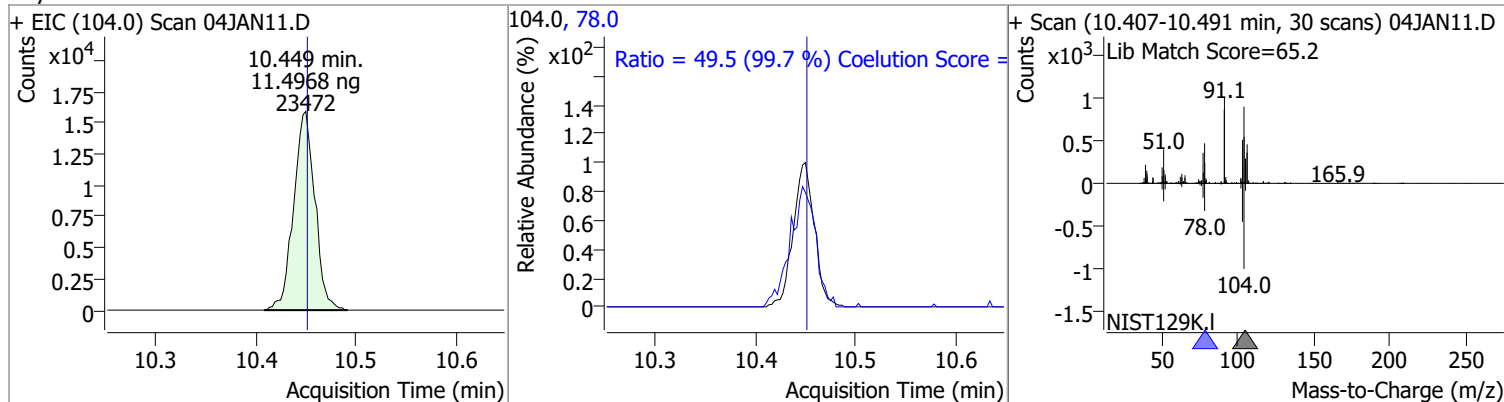


# Quantitation Results Report (QT Reviewed)

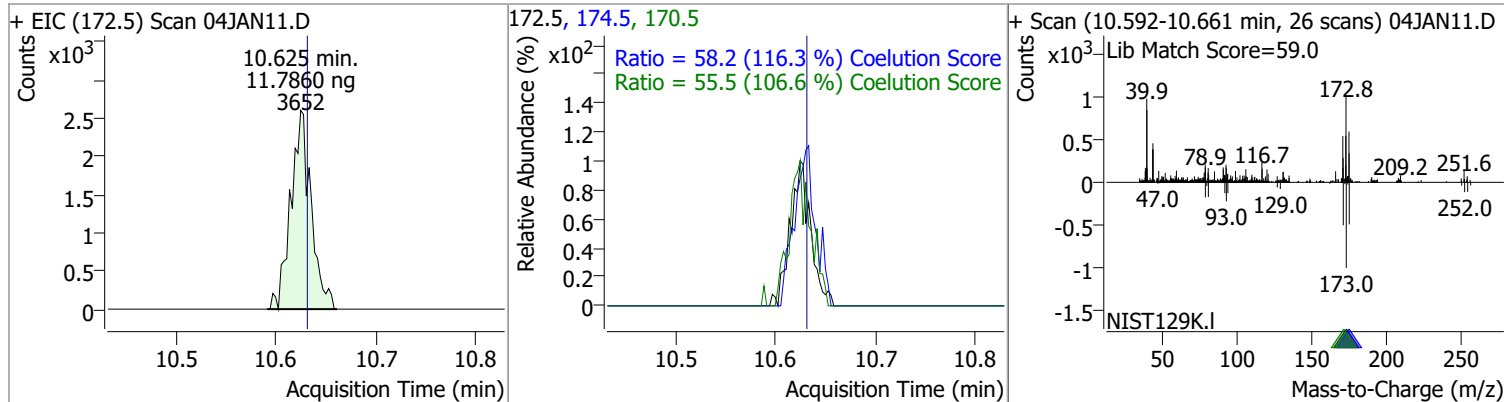
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



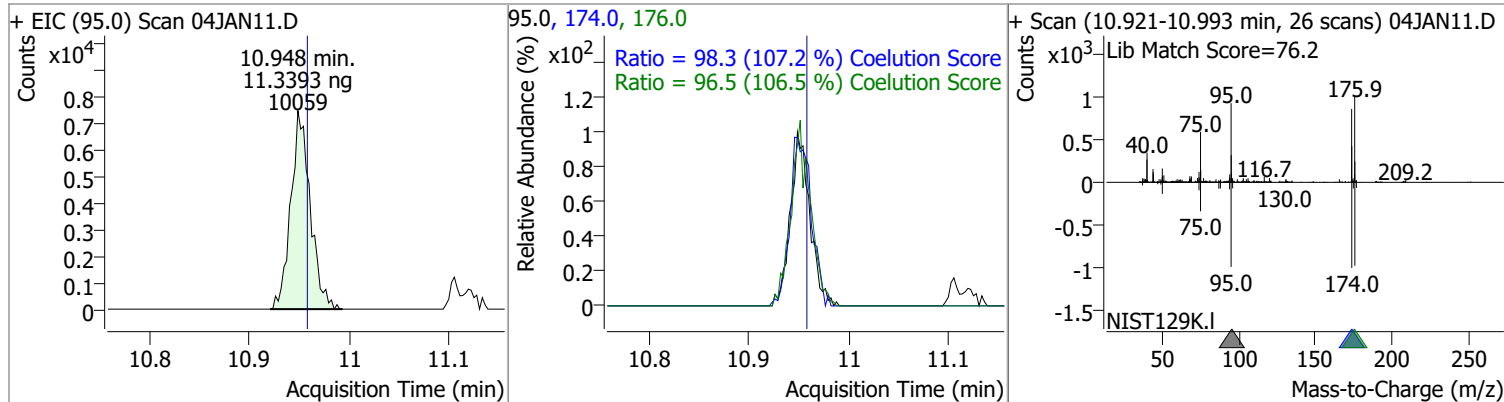
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

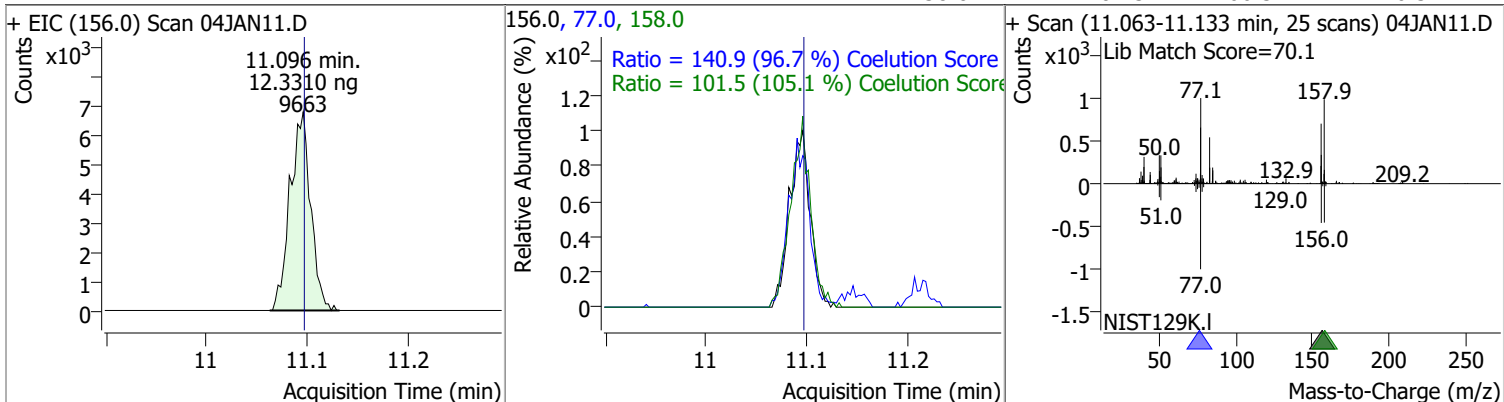


| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

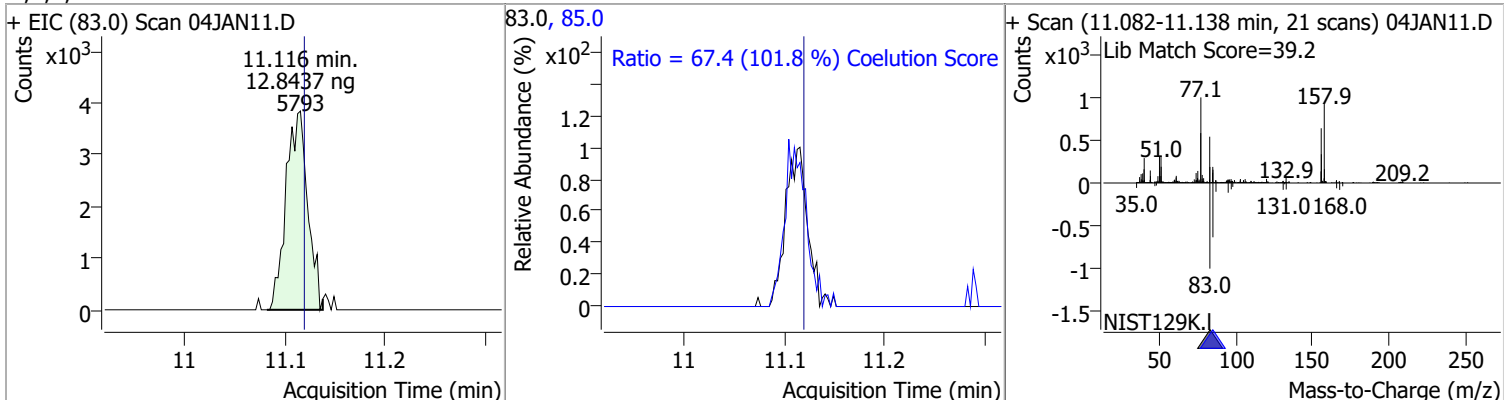


# Quantitation Results Report (QT Reviewed)

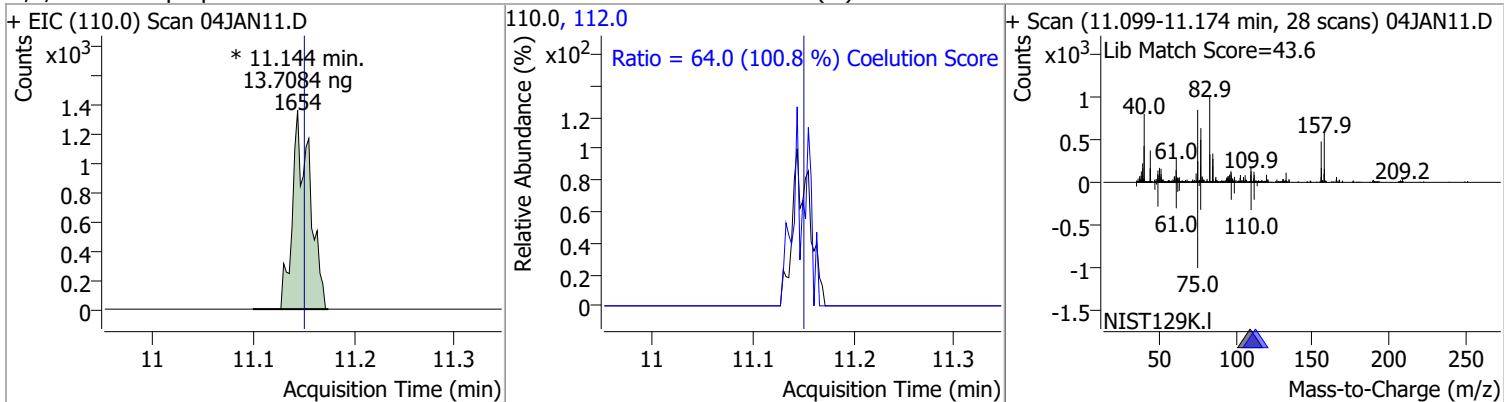
| Compound     | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|--------------|---------|-------|----------|-------|-------|--------|-------|-------|
| Bromobenzene | 12.3310 | 11.10 | 0.00     | 9663  | 77.0  | 140.9  | 115.7 | 175.7 |
|              |         |       |          |       | 158.0 | 101.5  | 66.5  | 126.5 |



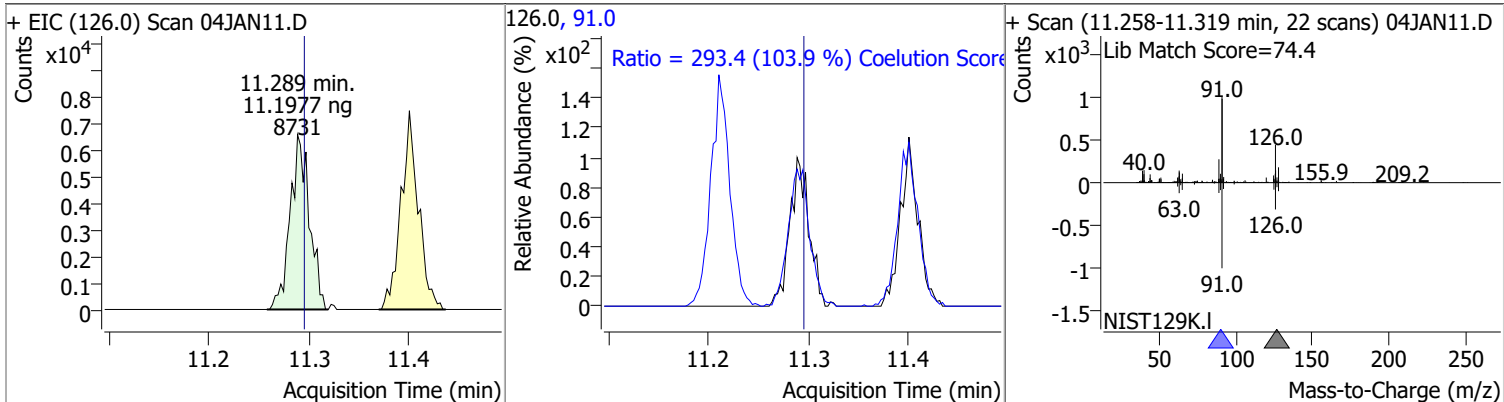
| Compound                  | Conc.   | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|---------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 12.8437 | 11.12 | 0.00     | 5793  | 85.0 | 67.4   | 36.2  | 96.2  |



| Compound               | Conc.   | RT    | Dev(Min) | Resp.    | QIon  | QRatio | Lower | Upper |
|------------------------|---------|-------|----------|----------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 13.7084 | 11.14 | 0.00     | 1654 (m) | 112.0 | 64.0   | 33.5  | 93.5  |

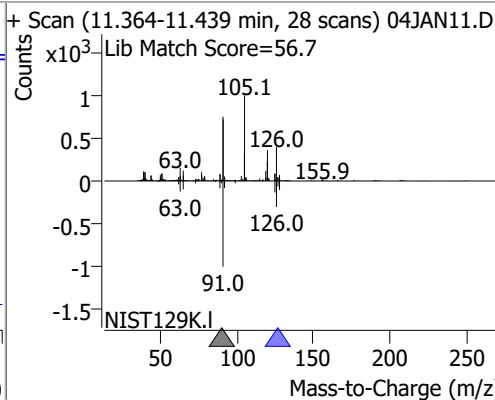
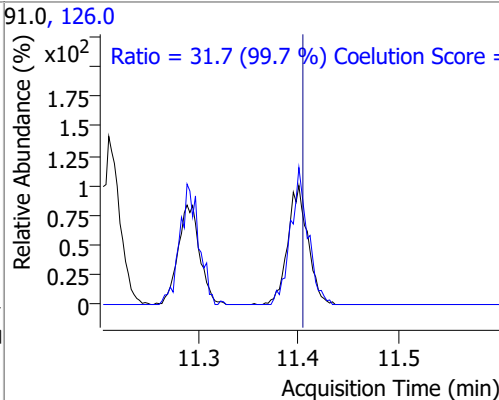
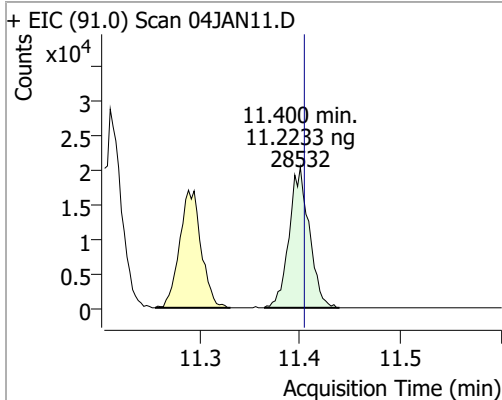


| Compound        | Conc.   | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------|---------|-------|----------|-------|------|--------|-------|-------|
| 2-Chlorotoluene | 11.1977 | 11.29 | 0.00     | 8731  | 91.0 | 293.4  | 252.3 | 312.3 |

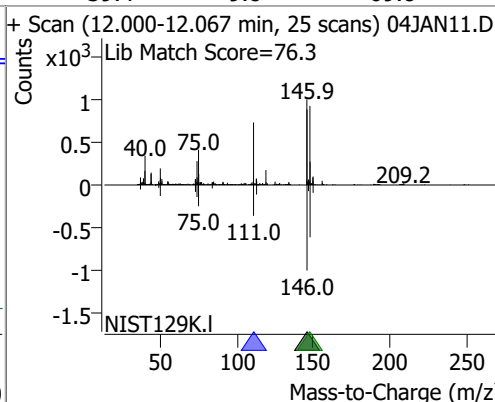
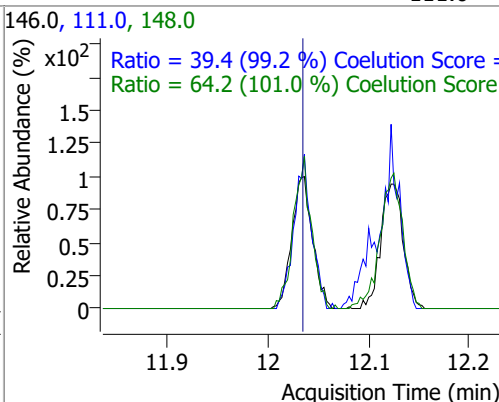
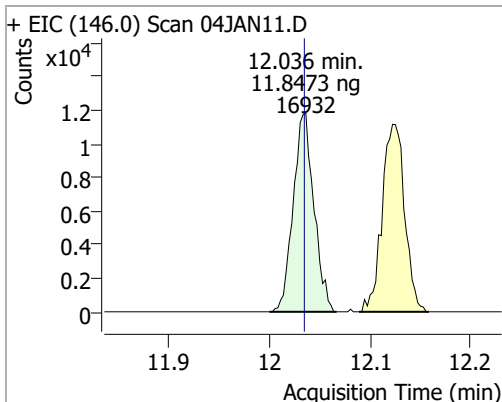


# Quantitation Results Report (QT Reviewed)

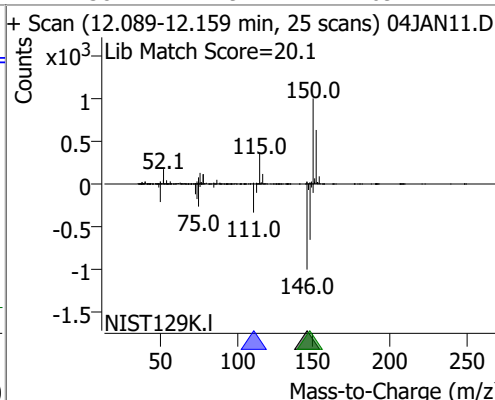
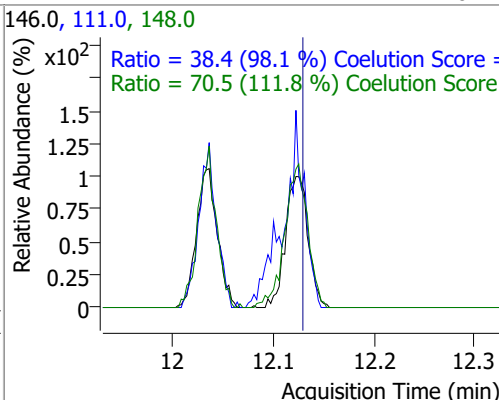
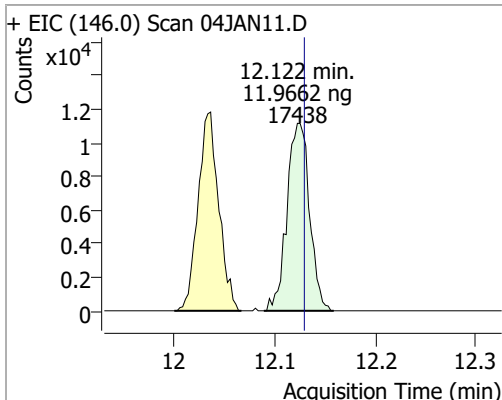
| Compound        | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------------|---------|-------|----------|-------|-------|--------|-------|-------|
| 4-Chlorotoluene | 11.2233 | 11.40 | 0.00     | 28532 | 126.0 | 31.7   | 1.7   | 61.7  |



|                     |         |       |      |       |       |      |      |      |
|---------------------|---------|-------|------|-------|-------|------|------|------|
| 1,3-Dichlorobenzene | 11.8473 | 12.04 | 0.01 | 16932 | 148.0 | 64.2 | 33.6 | 93.6 |
|                     |         |       |      |       | 111.0 | 39.4 | 9.8  | 69.8 |

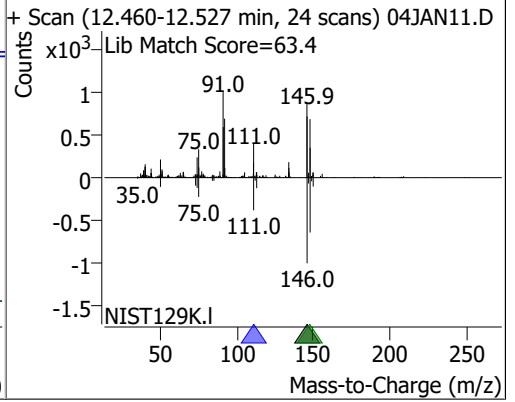
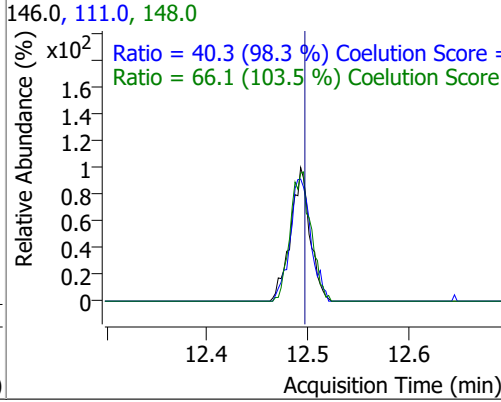
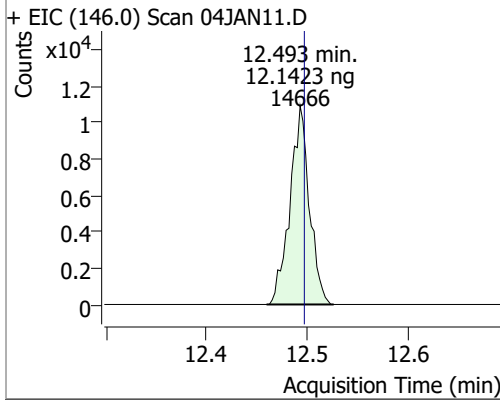


|                     |         |       |      |       |       |      |      |      |
|---------------------|---------|-------|------|-------|-------|------|------|------|
| 1,4-Dichlorobenzene | 11.9662 | 12.12 | 0.00 | 17438 | 148.0 | 70.5 | 33.1 | 93.1 |
|                     |         |       |      |       | 111.0 | 38.4 | 9.1  | 69.1 |



# Quantitation Results Report (QT Reviewed)

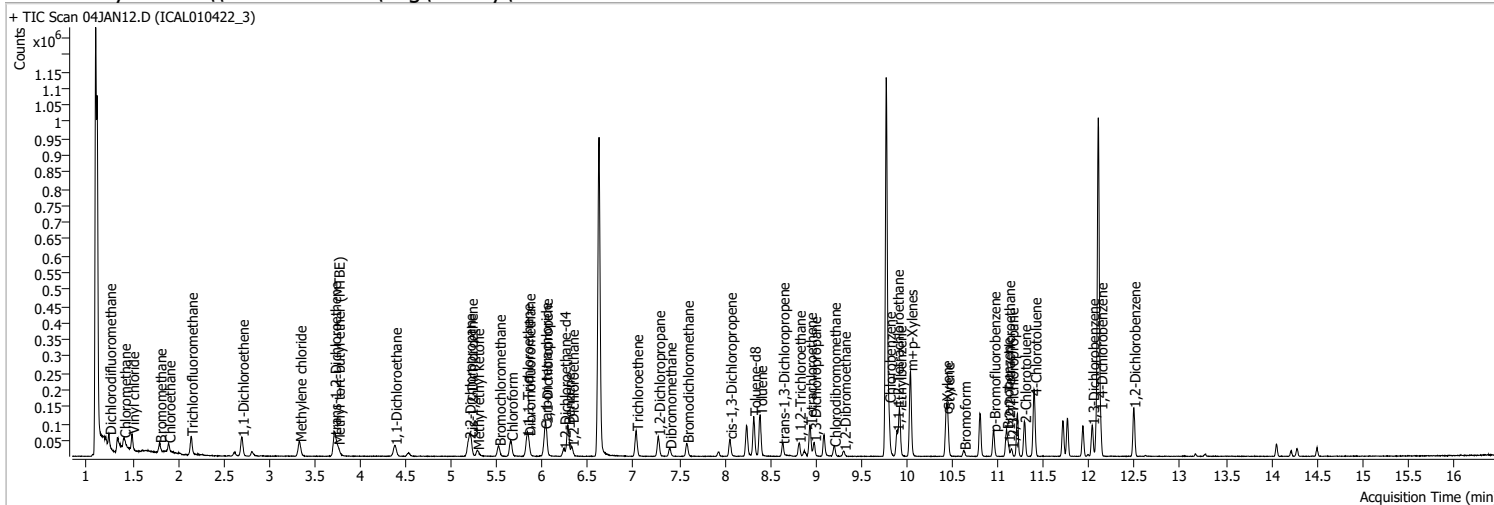
| Compound            | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|---------|-------|----------|-------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 12.1423 | 12.49 | 0.00     | 14666 | 148.0 | 66.1   | 33.9  | 93.9  |
|                     |         |       |          |       | 111.0 | 40.3   | 11.0  | 71.0  |





# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN12.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 4:28:05 PM   |
| Sample Name    | ICAL010422_3                        | Instrument        | VOA5975C              |
| Vial           | 12                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.             | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|-------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                   |       |          |
| M Fluorobenzene                    | 6.621                | 96.0  | 791270 | 250.0000          | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.775                | 82.0  | 301338 | 250.0000          | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.103               | 152.0 | 240335 | 250.0000          | ng    | 0.003    |
| <b>System Monitoring Compounds</b> |                      |       |        |                   |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 19100  | 25.6219           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 10.25% | *     |          |
| S 1,2-Dichloroethane-d4            | 6.236                | 67.0  | 8284   | 25.7280           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 10.29% | *     |          |
| S Toluene-d8                       | 8.319                | 98.0  | 67673  | 23.3046           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 9.32%  | *     |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 22267  | 25.2899           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 10.12% | *     |          |
| <b>Target Compounds</b>            |                      |       |        |                   |       |          |
| T Dichlorodifluoromethane          | 1.244                | 85.0  | 26627  | 25.6793           | ng    | 99       |
| T Chloromethane                    | 1.406                | 50.0  | 33153  | 26.3422           | ng    | 95       |
| T Vinyl chloride                   | 1.495                | 62.0  | 29046  | 25.6488           | ng    | 80       |
| T Bromomethane                     | 1.796                | 96.0  | 13054  | 25.7793           | ng    | 99       |
| T Chloroethane                     | 1.897                | 64.0  | 14646  | 26.1250           | ng    | m 92     |
| T Trichlorofluoromethane           | 2.142                | 101.0 | 37464  | 26.6531           | ng    | 98       |
| T 1,1-Dichloroethene               | 2.700                | 96.0  | 20631  | 25.8849           | ng    | 93       |
| T Methylene chloride               | 3.333                | 49.0  | 30908  | 26.3058           | ng    | 100      |
| T trans-1,2-Dichloroethene         | 3.712                | 96.0  | 20706  | 25.4641           | ng    | 97       |
| T Methyl tert-butyl ether (MTBE)   | 3.754                | 73.0  | 24218  | 23.0418           | ng    | 92       |
| T 1,1-Dichloroethane               | 4.379                | 63.0  | 38874  | 25.6835           | ng    | 97       |
| T 2,2-Dichloropropane              | 5.190                | 77.0  | 29793  | 26.2692           | ng    | 100      |
| T cis-1,2-Dichloroethene           | 5.212                | 96.0  | 20252  | 24.5653           | ng    | 98       |
| T Methyl ethyl ketone              | 5.282                | 43.0  | 26248  | 235.0504          | ng    | 98       |
| T Bromochloromethane               | 5.522                | 128.0 | 8688   | 25.4383           | ng    | 98       |
| T Chloroform                       | 5.653                | 83.0  | 36413  | 24.1734           | ng    | 97       |

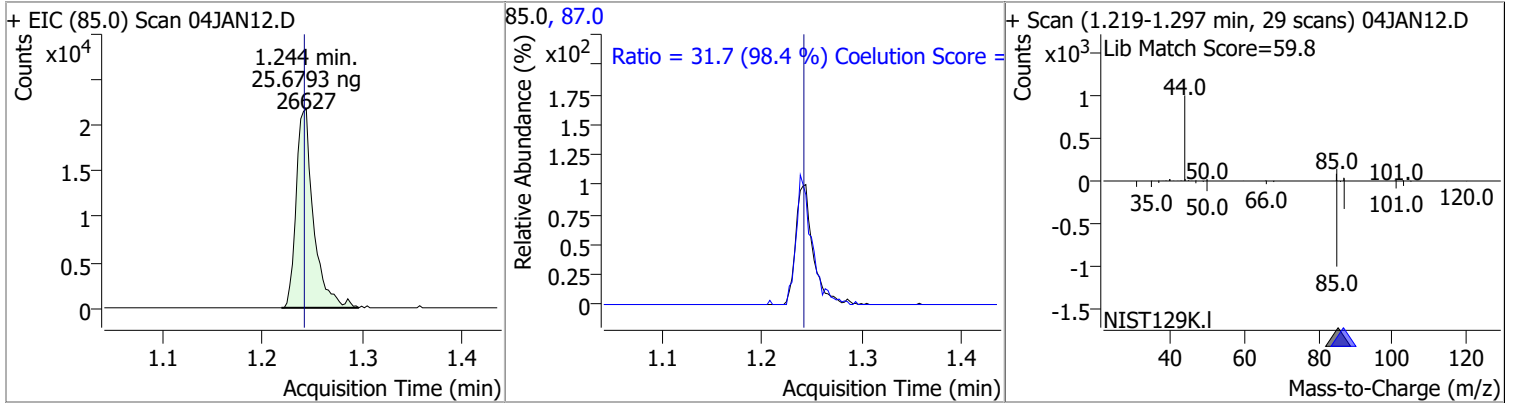
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.   | Units | Dev(Min) |
|-----------------------------|--------|-------|-------|---------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.826  | 97.0  | 35547 | 25.1809 | ng    | 96       |
| T Carbon tetrachloride      | 6.024  | 117.0 | 34462 | 24.7773 | ng    | 99       |
| T 1,1-Dichloropropene       | 6.038  | 75.0  | 29241 | 24.3617 | ng    | 96       |
| T Benzene                   | 6.278  | 78.0  | 74956 | 23.7919 | ng    | 97       |
| T 1,2-Dichloroethane        | 6.322  | 62.0  | 19996 | 23.4616 | ng    | 97       |
| T Trichloroethene           | 7.028  | 95.0  | 21946 | 24.1484 | ng    | 98       |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 20077 | 25.1147 | ng    | 98       |
| T Dibromomethane            | 7.393  | 93.0  | 8055  | 23.8439 | ng    | 97       |
| T Bromodichloromethane      | 7.583  | 83.0  | 22743 | 24.3940 | ng    | 98       |
| T cis-1,3-Dichloropropene   | 8.057  | 75.0  | 24511 | 23.2528 | ng    | 97       |
| T Toluene                   | 8.389  | 92.0  | 46355 | 23.6319 | ng    | 99       |
| T trans-1,3-Dichloropropene | 8.634  | 75.0  | 17850 | 23.7894 | ng    | 97       |
| T 1,1,2-Trichloroethane     | 8.815  | 83.0  | 10099 | 25.8400 | ng    | 95       |
| T Tetrachloroethene         | 8.935  | 163.8 | 20322 | 25.3948 | ng    | 97       |
| T 1,3-Dichloropropane       | 8.983  | 76.0  | 18745 | 24.3839 | ng    | 99       |
| T Chlorodibromomethane      | 9.197  | 129.0 | 14873 | 24.3492 | ng    | 99       |
| T 1,2-Dibromoethane         | 9.309  | 107.0 | 10410 | 24.3601 | ng    | 95       |
| T Chlorobenzene             | 9.802  | 112.0 | 53047 | 24.7015 | ng    | 100      |
| T 1,1,1,2-Tetrachloroethane | 9.889  | 131.0 | 18130 | 24.1509 | ng    | 100      |
| T Ethylbenzene              | 9.917  | 91.0  | 88428 | 23.7421 | ng    | 100      |
| T m+p-Xylenes               | 10.039 | 106.0 | 66267 | 45.7836 | ng    | 98       |
| T o-Xylene                  | 10.427 | 106.0 | 30463 | 23.6420 | ng    | 98       |
| T Styrene                   | 10.447 | 104.0 | 48569 | 23.4119 | ng    | 97       |
| T Bromoform                 | 10.625 | 172.5 | 7972  | 25.9212 | ng    | 96       |
| T Bromobenzene              | 11.094 | 156.0 | 19259 | 24.7613 | ng    | 94       |
| T 1,1,2,2-Tetrachloroethane | 11.110 | 83.0  | 12440 | 27.7883 | ng    | 93       |
| T 1,2,3-Trichloropropane    | 11.149 | 110.0 | 3200  | 26.7144 | ng    | m 96     |
| T 2-Chlorotoluene           | 11.286 | 126.0 | 19390 | 25.0550 | ng    | 94       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 61551 | 24.3936 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 36559 | 25.7725 | ng    | 97       |
| T 1,4-Dichlorobenzene       | 12.125 | 146.0 | 36635 | 25.3284 | ng    | 92       |
| T 1,2-Dichlorobenzene       | 12.488 | 146.0 | 29899 | 24.9402 | ng    | 98       |

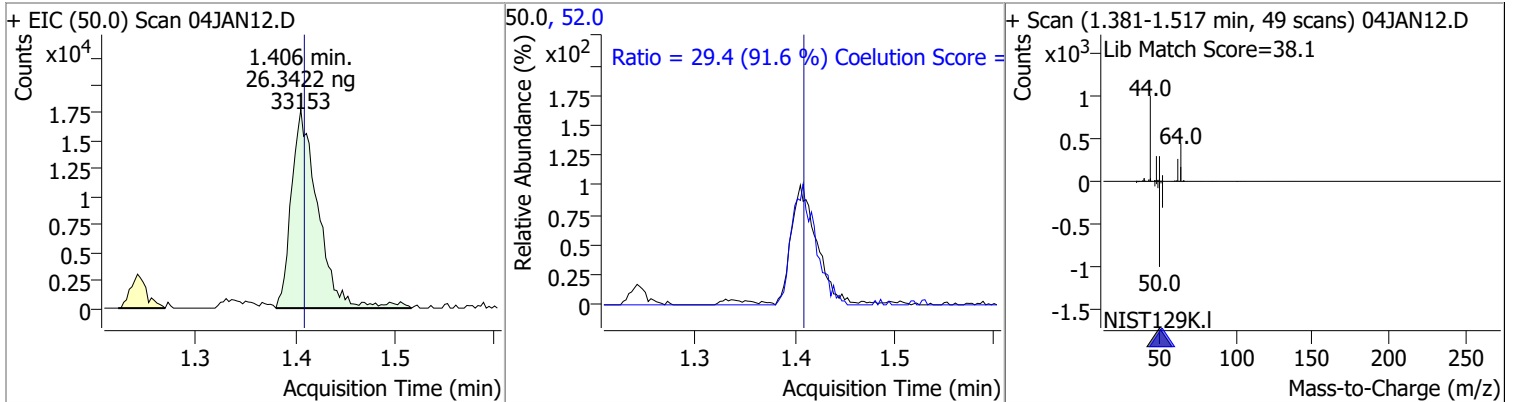
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

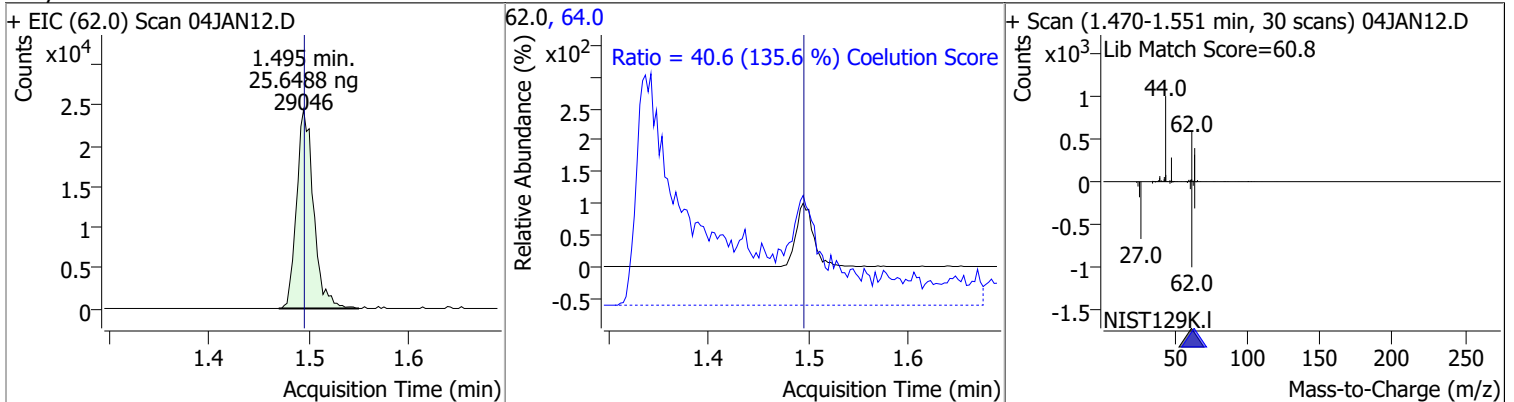
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



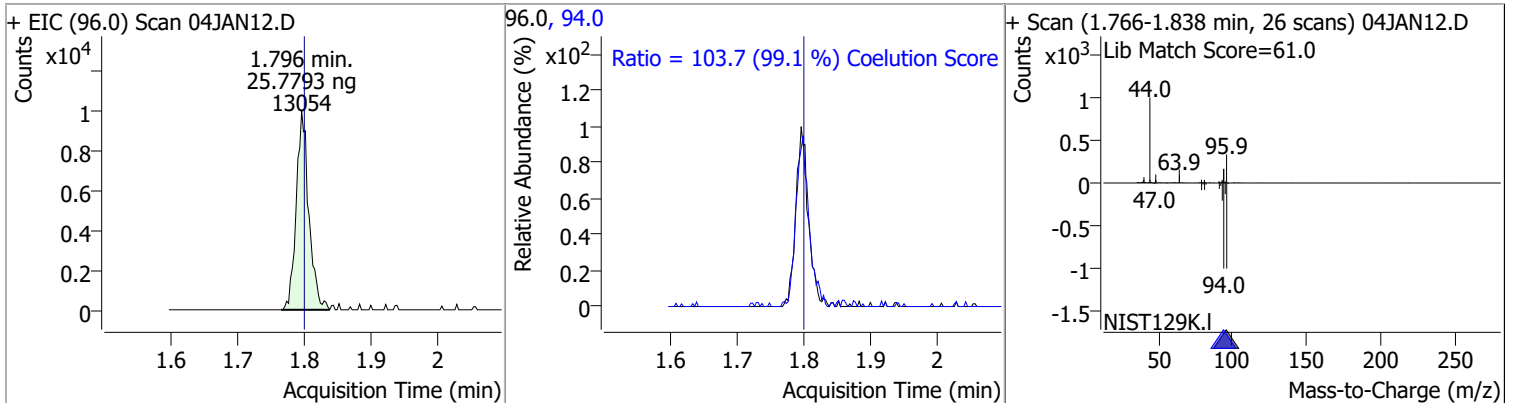
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

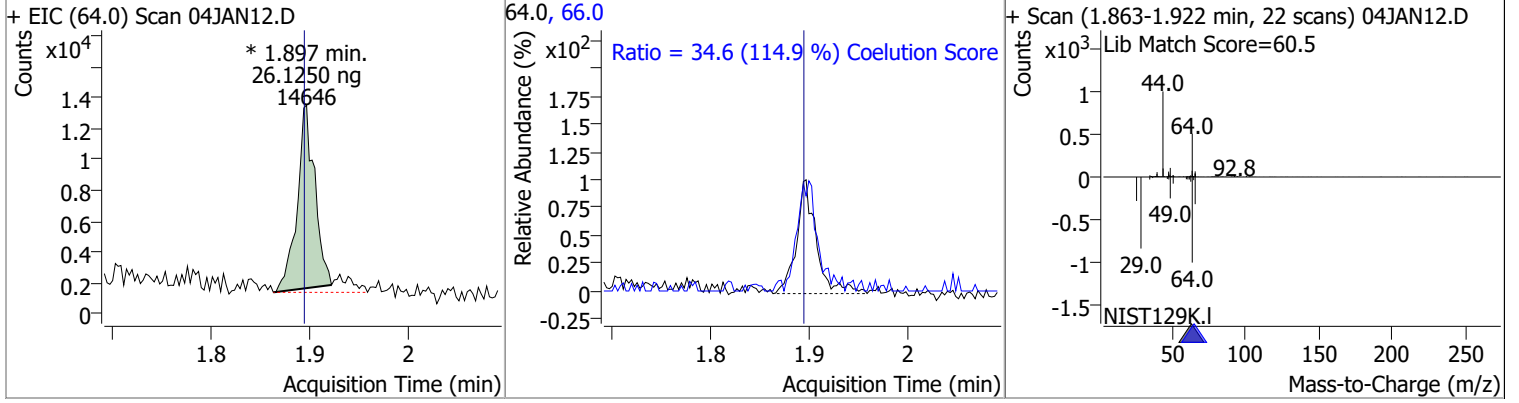


| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

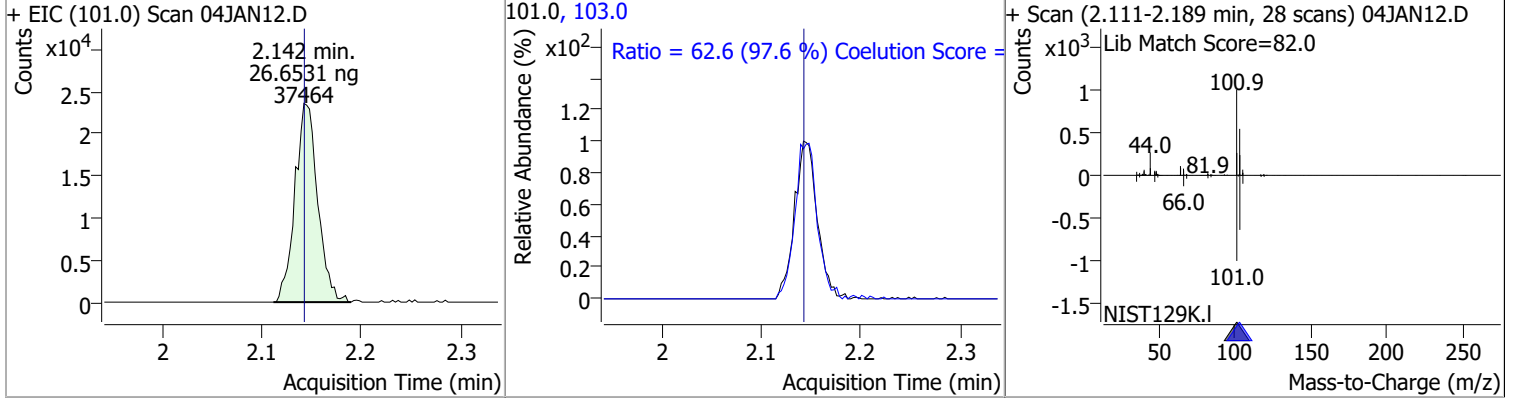


# Quantitation Results Report (QT Reviewed)

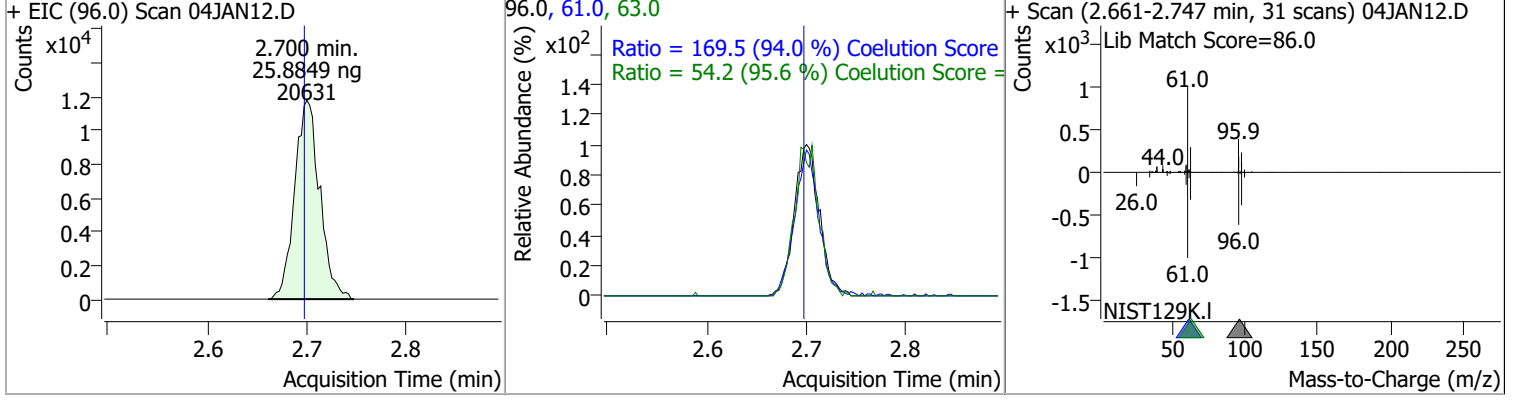
| Compound     | Conc.   | RT   | Dev(Min) | Resp.     | QIon | QRatio | Lower | Upper |
|--------------|---------|------|----------|-----------|------|--------|-------|-------|
| Chloroethane | 26.1250 | 1.90 | 0.00     | 14646 (m) | 66.0 | 34.6   | 0.1   | 60.1  |



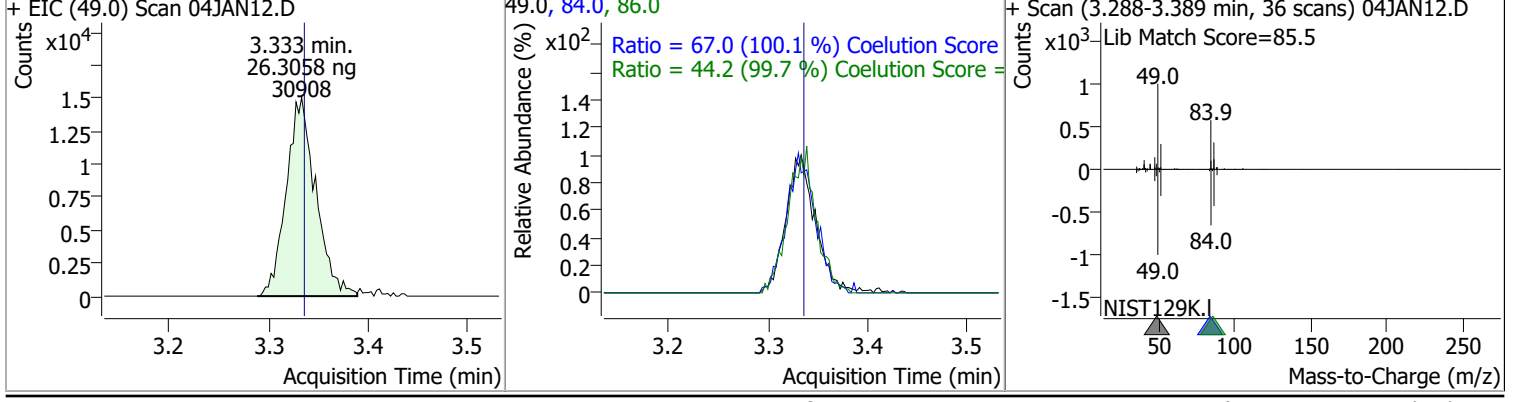
|                        |         |      |      |       |       |      |      |      |
|------------------------|---------|------|------|-------|-------|------|------|------|
| Trichlorofluoromethane | 26.6531 | 2.14 | 0.00 | 37464 | 103.0 | 62.6 | 34.2 | 94.2 |
|------------------------|---------|------|------|-------|-------|------|------|------|



|                    |         |      |      |       |      |       |       |       |
|--------------------|---------|------|------|-------|------|-------|-------|-------|
| 1,1-Dichloroethene | 25.8849 | 2.70 | 0.00 | 20631 | 61.0 | 169.5 | 150.3 | 210.3 |
|                    |         |      |      |       | 63.0 | 54.2  | 26.7  | 86.7  |

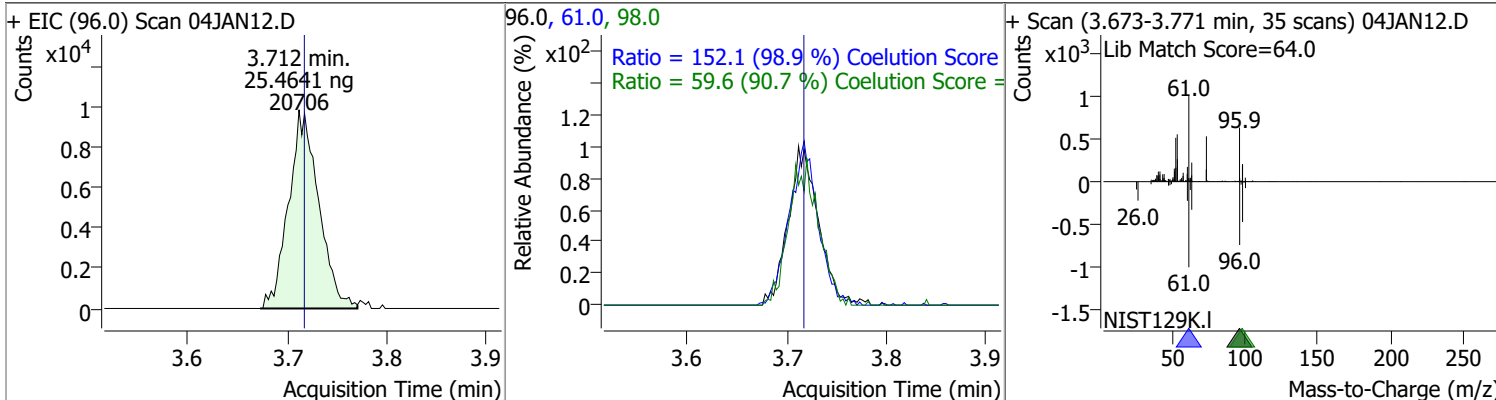


|                    |         |      |      |       |      |      |      |      |
|--------------------|---------|------|------|-------|------|------|------|------|
| Methylene chloride | 26.3058 | 3.33 | 0.00 | 30908 | 84.0 | 67.0 | 36.9 | 96.9 |
|                    |         |      |      |       | 86.0 | 44.2 | 14.3 | 74.3 |

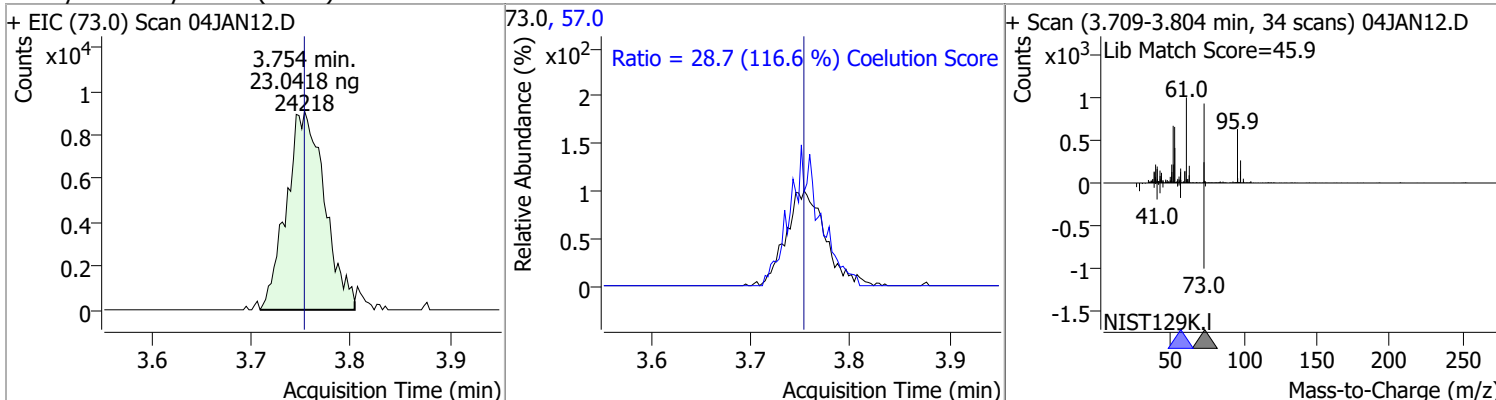


# Quantitation Results Report (QT Reviewed)

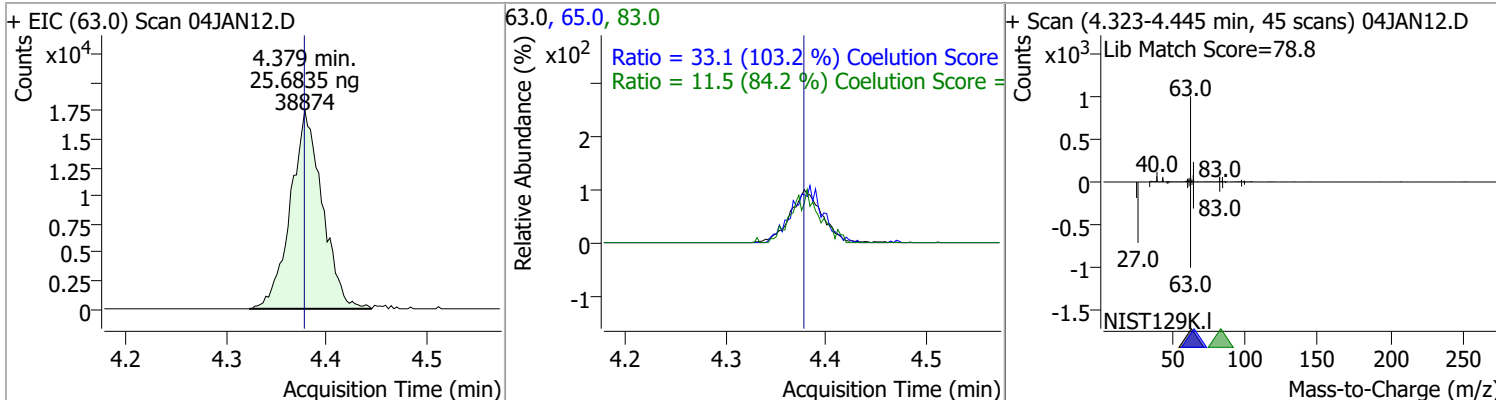
| Compound                 | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------------|---------|------|----------|-------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 25.4641 | 3.71 | -0.01    | 20706 | 61.0 | 152.1  | 123.9 | 183.9 |
|                          |         |      |          |       | 98.0 | 59.6   | 35.7  | 95.7  |



| Compound                       | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------------------|---------|------|----------|-------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 23.0418 | 3.75 | 0.00     | 24218 | 57.0 | 28.7   | 0.0   | 54.6  |

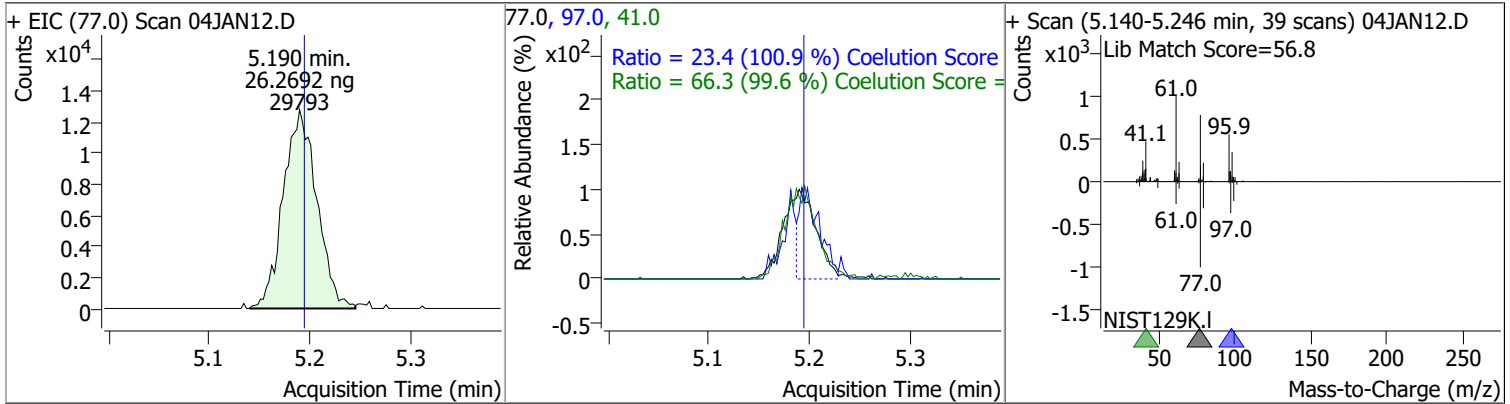


| Compound           | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,1-Dichloroethane | 25.6835 | 4.38 | 0.00     | 38874 | 65.0 | 33.1   | 2.1   | 62.1  |
|                    |         |      |          |       | 83.0 | 11.5   | 0.0   | 43.7  |

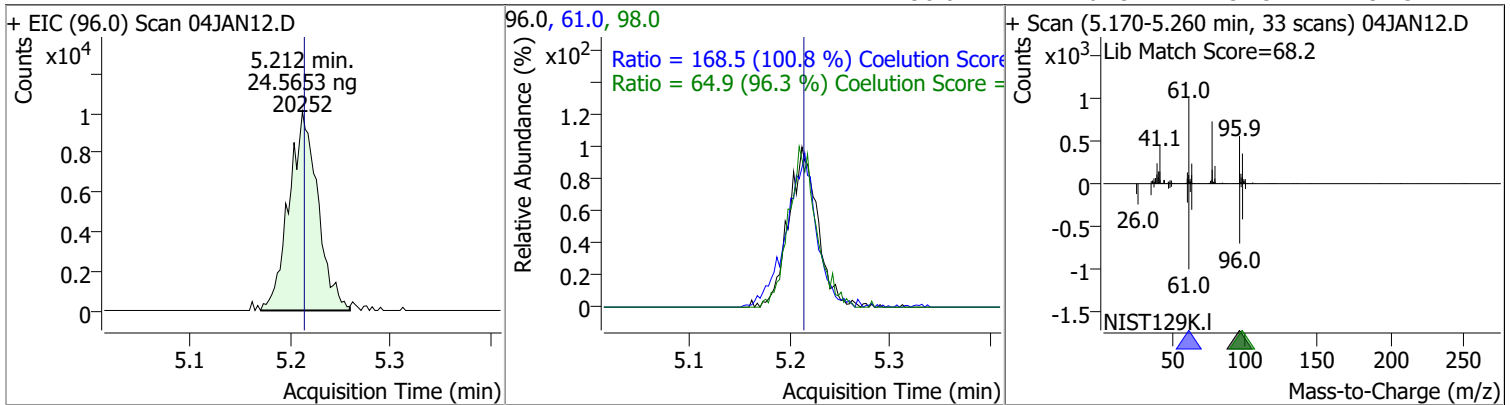


# Quantitation Results Report (QT Reviewed)

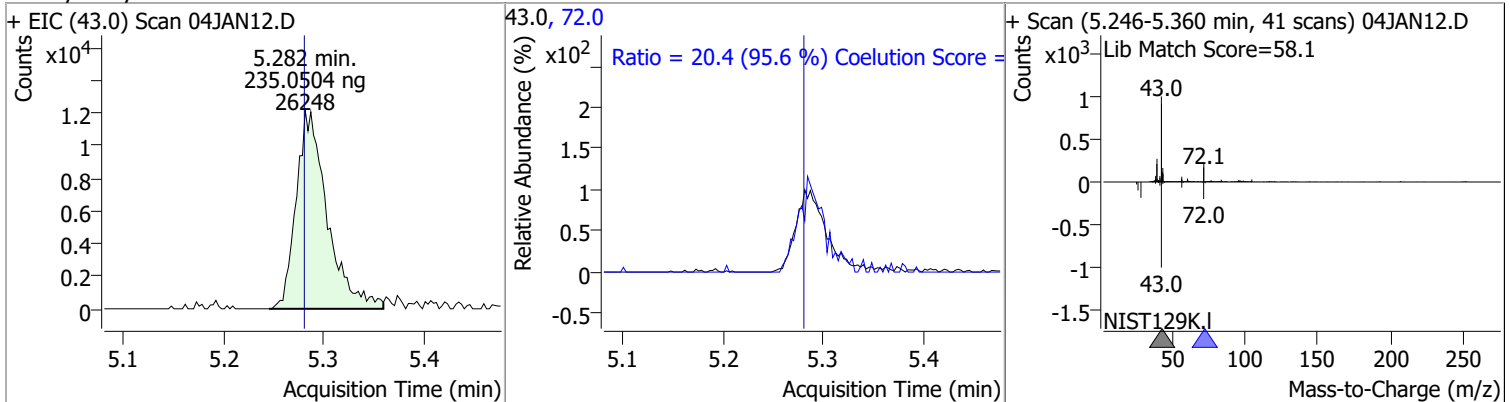
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 2,2-Dichloropropane | 26.2692 | 5.19 | -0.01    | 29793 | 41.0 | 66.3   | 36.5  | 96.5  |
|                     |         |      |          |       | 97.0 | 23.4   | 0.0   | 53.2  |



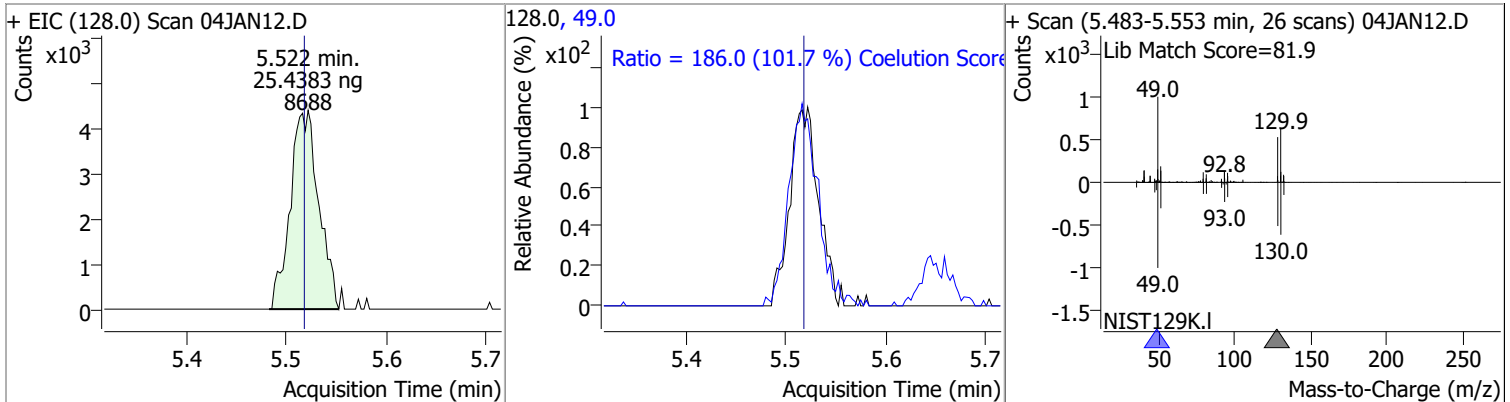
| Compound               | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------------------|---------|------|----------|-------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 24.5653 | 5.21 | 0.00     | 20252 | 61.0 | 168.5  | 137.2 | 197.2 |
|                        |         |      |          |       | 98.0 | 64.9   | 37.3  | 97.3  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| Methyl ethyl ketone | 235.0504 | 5.28 | 0.00     | 26248 | 72.0 | 20.4   | 0.0   | 51.3  |

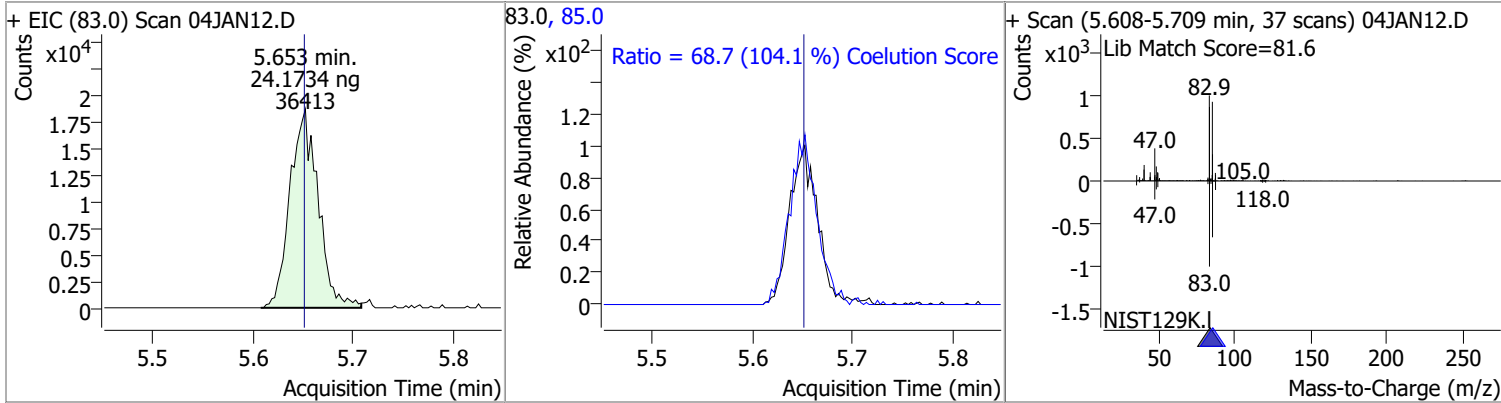


| Compound           | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 25.4383 | 5.52 | 0.00     | 8688  | 49.0 | 186.0  | 152.9 | 212.9 |

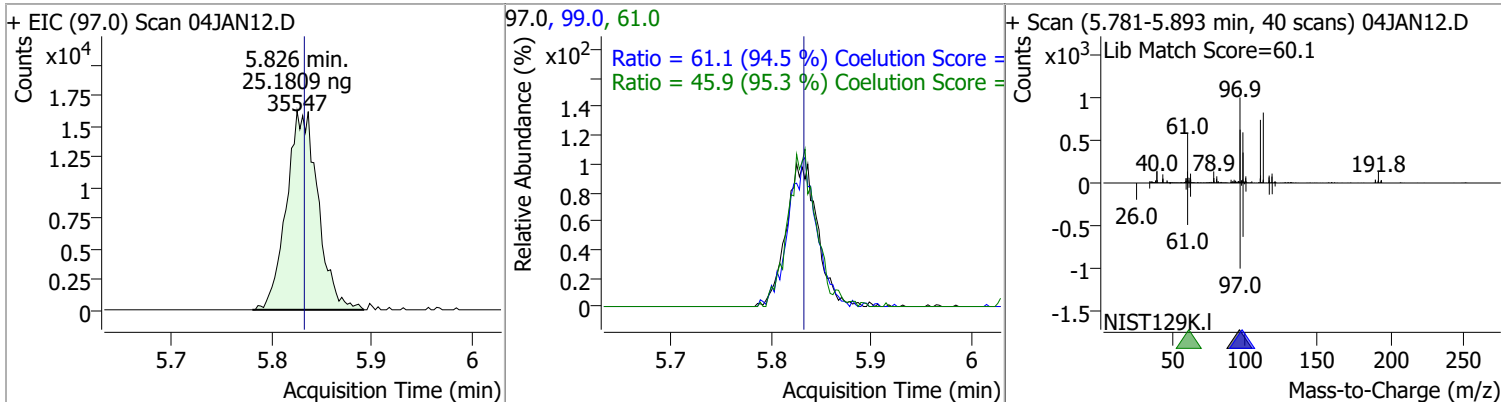


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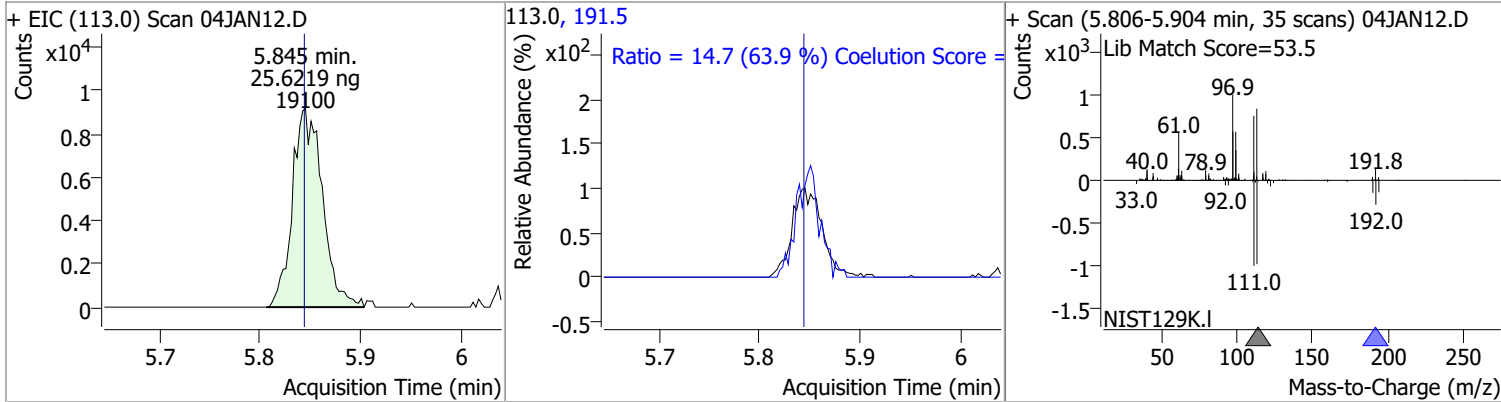
| Compound   | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|-------|------|--------|-------|-------|
| Chloroform | 24.1734 | 5.65 | 0.00     | 36413 | 85.0 | 68.7   | 36.0  | 96.0  |



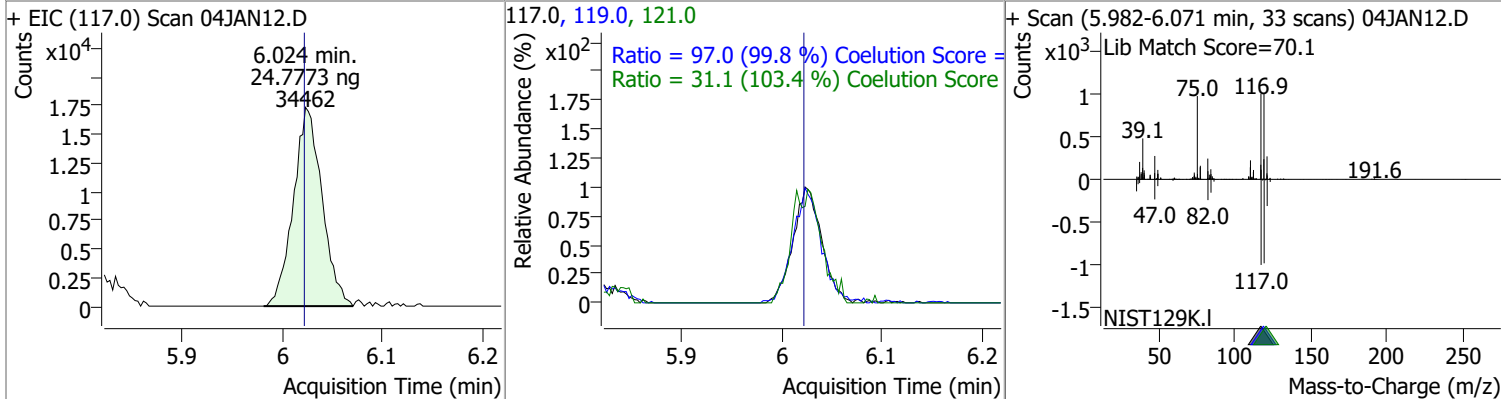
| Compound              | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 25.1809 | 5.83 | -0.01    | 35547 | 99.0 | 61.1   | 34.7  | 94.7  |
|                       |         |      |          |       | 61.0 | 45.9   | 18.1  | 78.1  |



| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Dibromofluoromethane | 25.6219 | 5.85 | 0.00     | 19100 | 191.5 | 14.7   | 0.0   | 53.1  |



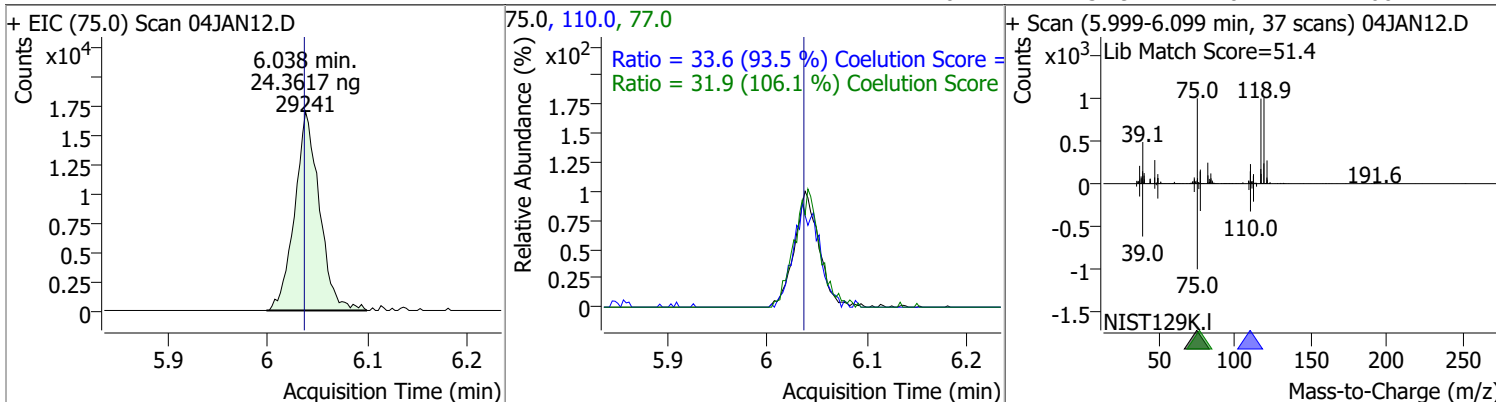
| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Carbon tetrachloride | 24.7773 | 6.02 | 0.00     | 34462 | 119.0 | 97.0   | 67.2  | 127.2 |
|                      |         |      |          |       | 121.0 | 31.1   | 0.1   | 60.1  |



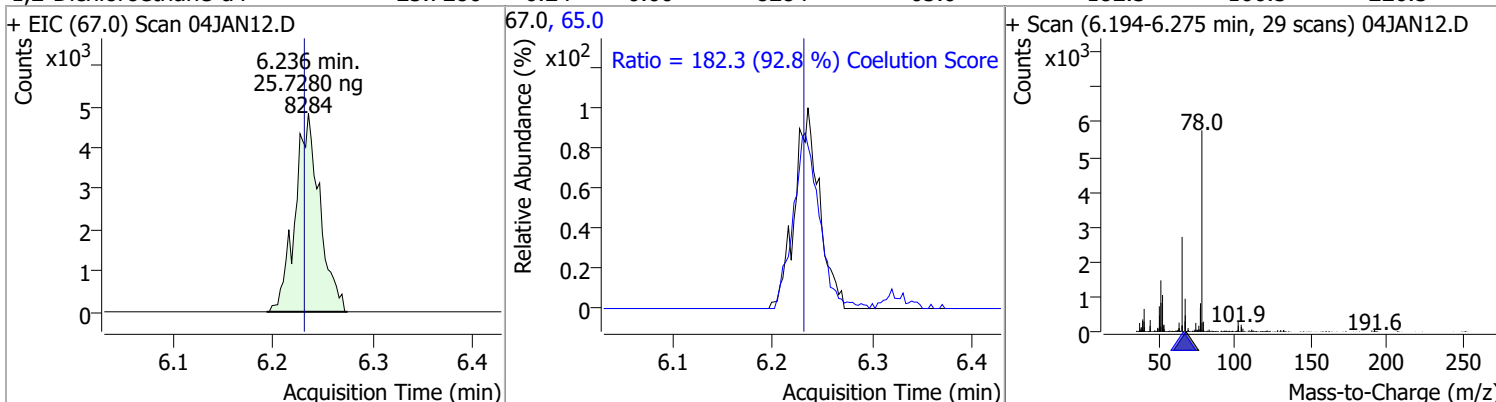


# Quantitation Results Report (QT Reviewed)

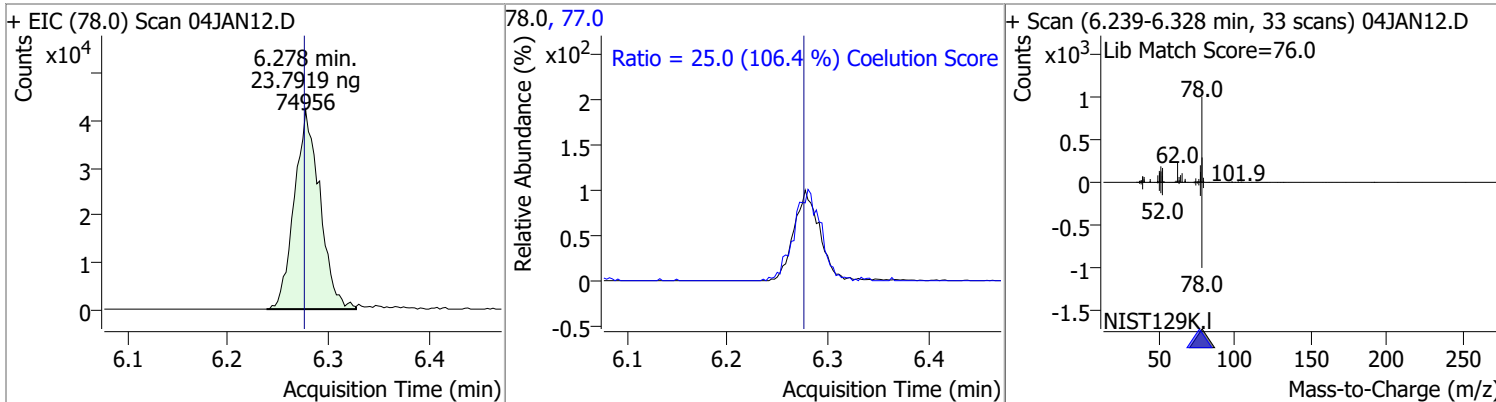
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 24.3617 | 6.04 | 0.00     | 29241 | 110.0 | 33.6   | 5.9   | 65.9  |
|                     |         |      |          |       | 77.0  | 31.9   | 0.1   | 60.1  |



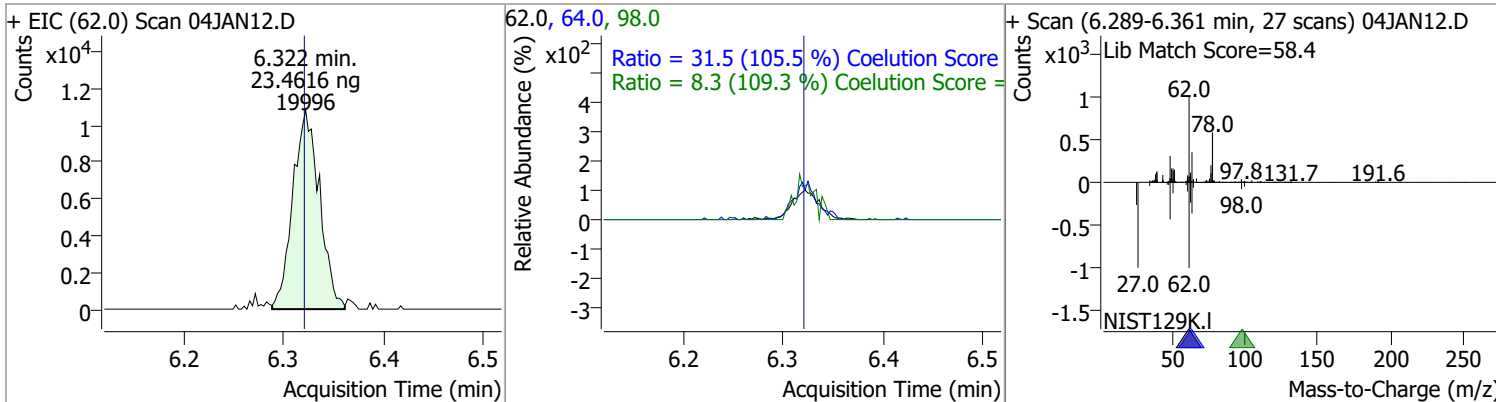
| Compound              | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 25.7280 | 6.24 | 0.00     | 8284  | 65.0 | 182.3  | 166.5 | 226.5 |
|                       |         |      |          |       |      |        |       |       |



| Compound | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|-------|------|--------|-------|-------|
| Benzene  | 23.7919 | 6.28 | 0.00     | 74956 | 77.0 | 25.0   | 0.0   | 53.5  |
|          |         |      |          |       |      |        |       |       |



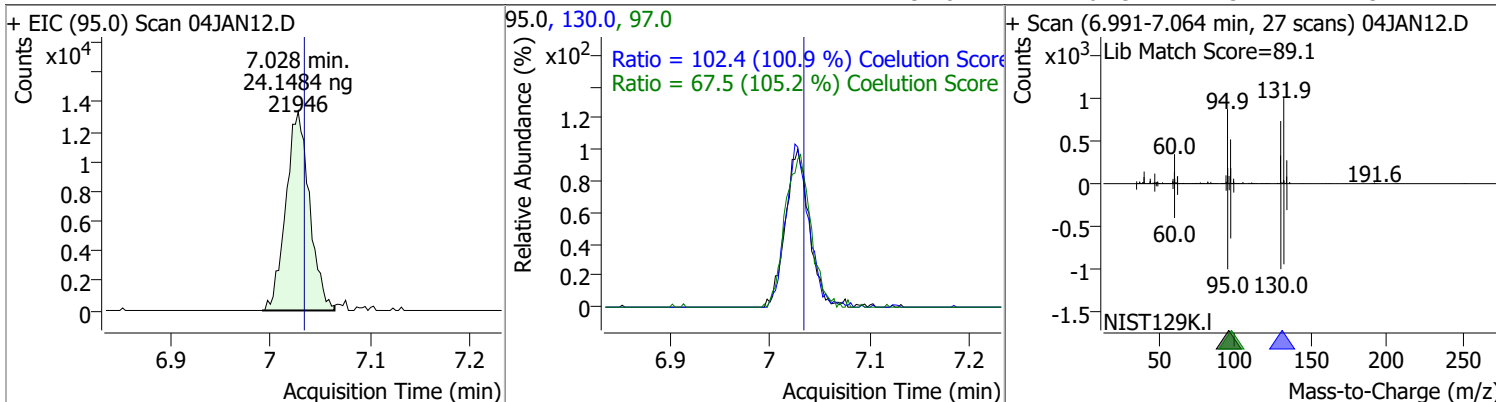
| Compound           | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane | 23.4616 | 6.32 | 0.00     | 19996 | 64.0 | 31.5   | 0.0   | 59.9  |
|                    |         |      |          |       | 98.0 | 8.3    | 0.0   | 37.6  |



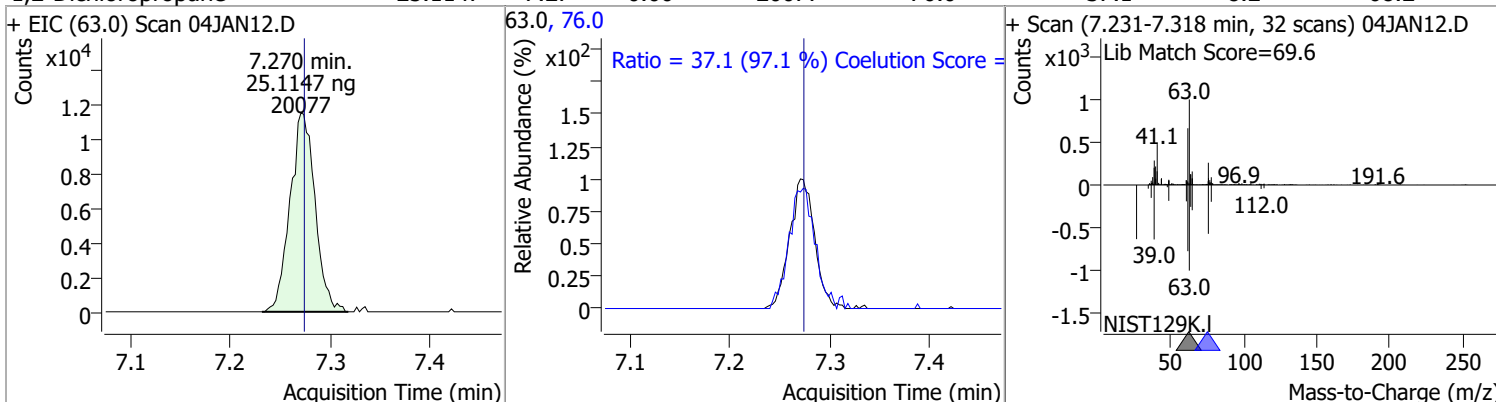


# Quantitation Results Report (QT Reviewed)

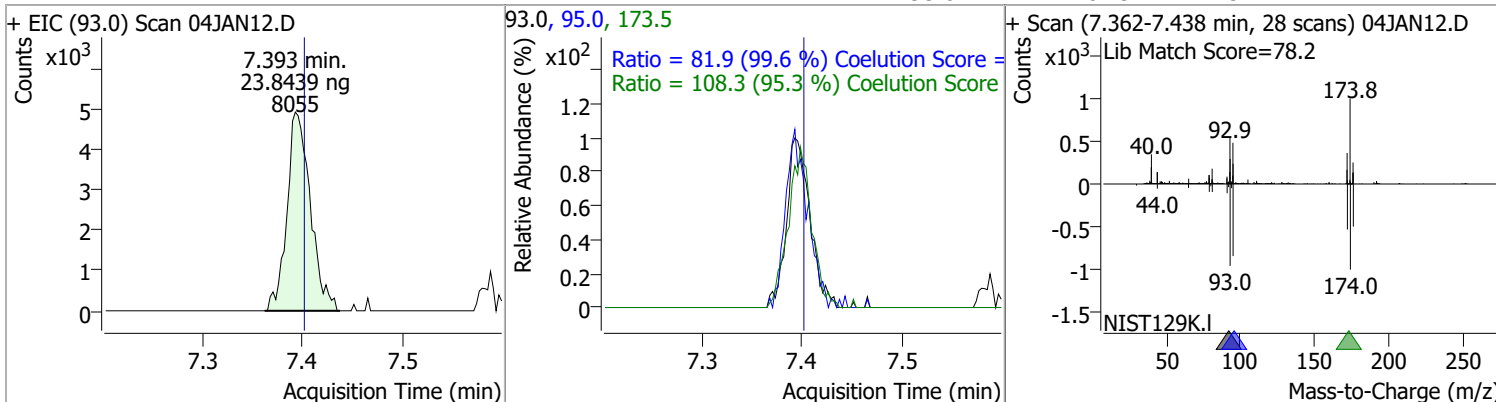
| Compound        | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------------|---------|------|----------|-------|-------|--------|-------|-------|
| Trichloroethene | 24.1484 | 7.03 | 0.00     | 21946 | 130.0 | 102.4  | 71.5  | 131.5 |
|                 |         |      |          |       | 97.0  | 67.5   | 34.1  | 94.1  |



| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloropropane | 25.1147 | 7.27 | 0.00     | 20077 | 76.0 | 37.1   | 8.2   | 68.2  |

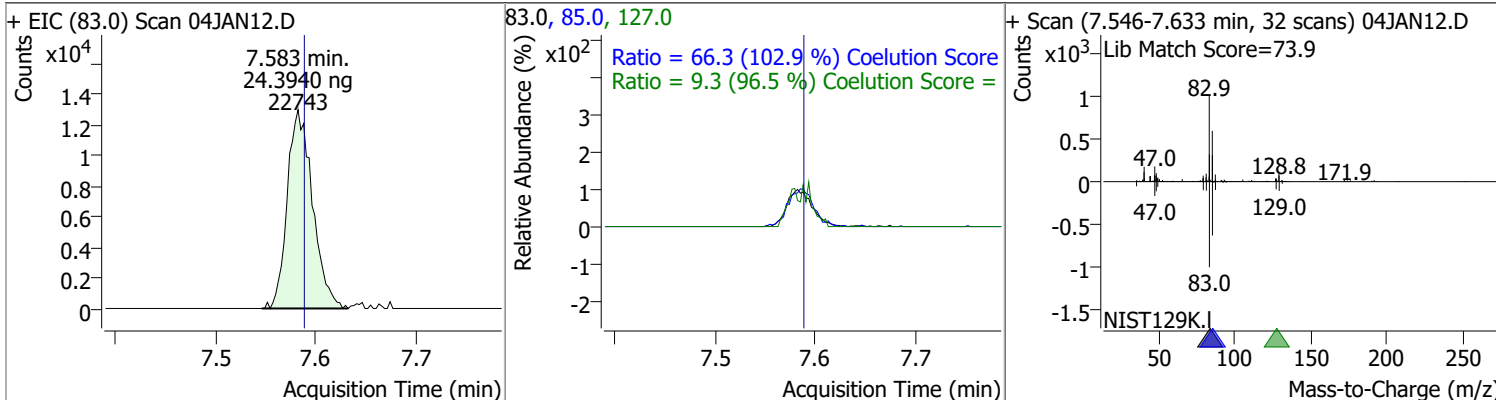


| Compound       | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|---------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 23.8439 | 7.39 | -0.01    | 8055  | 173.5 | 108.3  | 83.7  | 143.7 |
|                |         |      |          |       | 95.0  | 81.9   | 52.2  | 112.2 |

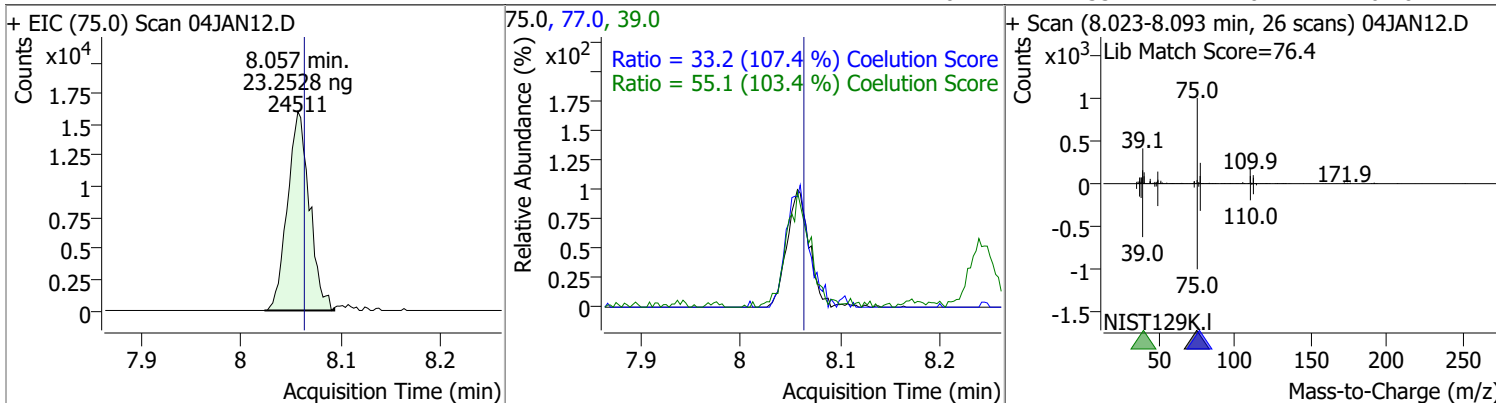


# Quantitation Results Report (QT Reviewed)

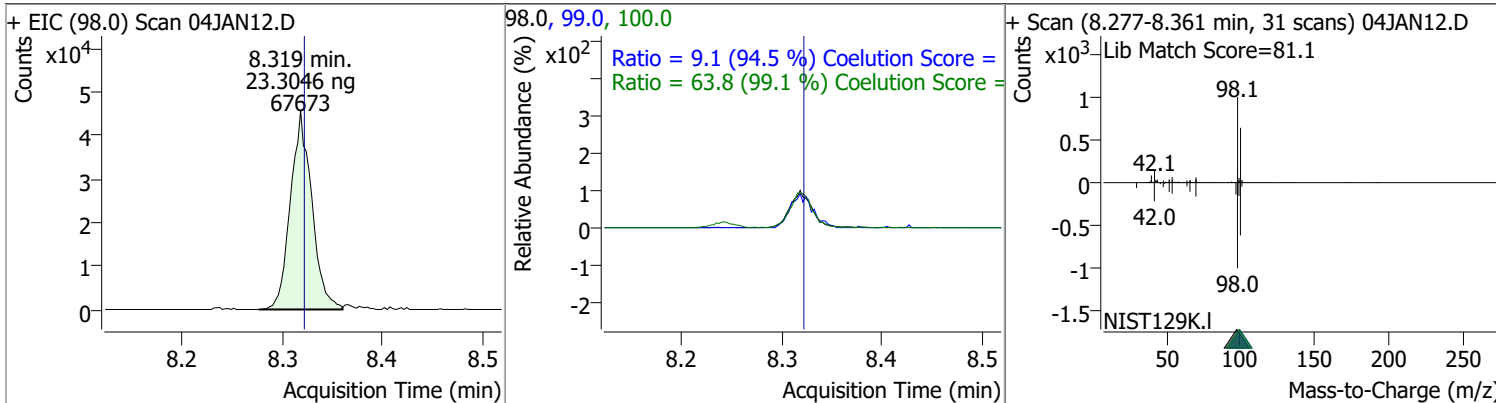
| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Bromodichloromethane | 24.3940 | 7.58 | 0.00     | 22743 | 85.0  | 66.3   | 34.5  | 94.5  |
|                      |         |      |          |       | 127.0 | 9.3    | 0.0   | 39.6  |



| Compound                | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------------------|---------|------|----------|-------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 23.2528 | 8.06 | 0.00     | 24511 | 39.0 | 55.1   | 23.3  | 83.3  |
|                         |         |      |          |       | 77.0 | 33.2   | 1.0   | 61.0  |



| Compound   | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------|---------|------|----------|-------|-------|--------|-------|-------|
| Toluene-d8 | 23.3046 | 8.32 | 0.00     | 67673 | 100.0 | 63.8   | 34.4  | 94.4  |
|            |         |      |          |       | 99.0  | 9.1    | 0.0   | 39.6  |

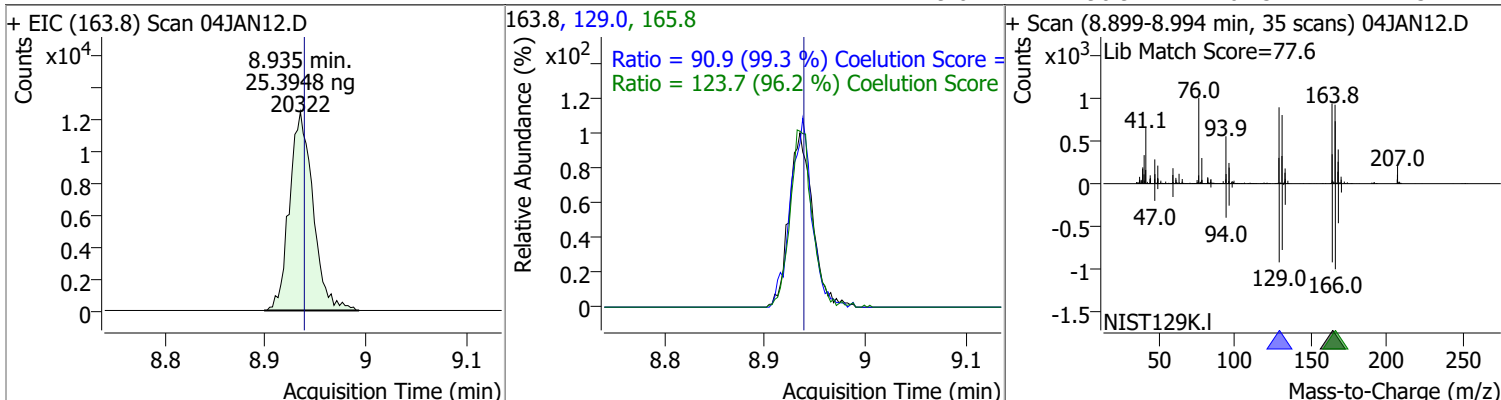


# Quantitation Results Report (QT Reviewed)

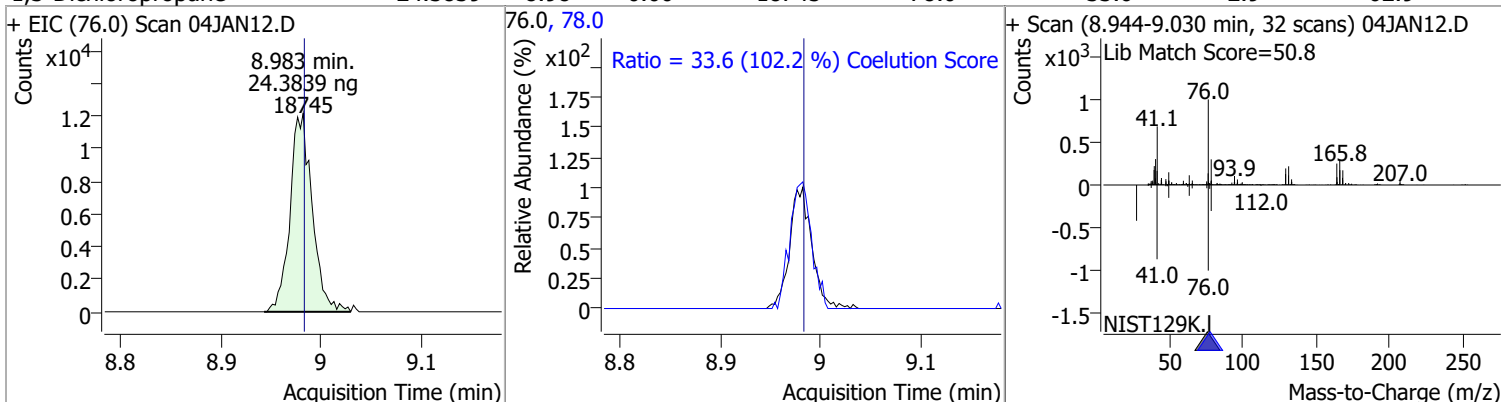
| Compound                    | Conc.   | RT   | Dev(Min)         | Resp. | QIon | QRatio                                       | Lower | Upper |
|-----------------------------|---------|------|------------------|-------|------|--|-------|-------|
| Toluene                     | 23.6319 | 8.39 | 0.00             | 46355 | 91.0 | 174.6  | 145.8 | 205.8 |
| + EIC (92.0) Scan 04JAN12.D |         |      | 92.0, 91.0       |       |      | + Scan (8.350-8.450 min, 37 scans) 04JAN12.D |       |       |
|                             |         |      |                  |       |      |  |       |       |
| trans-1,3-Dichloropropene   | 23.7894 | 8.63 | 0.00             | 17850 | 39.0 | 55.9   | 23.4  | 83.4  |
| + EIC (75.0) Scan 04JAN12.D |         |      | 75.0, 77.0, 39.0 |       |      | + Scan (8.606-8.679 min, 27 scans) 04JAN12.D |       |       |
|                             |         |      |                  |       |      |  |       |       |
| 1,1,2-Trichloroethane       | 25.8400 | 8.82 | 0.00             | 10099 | 97.0 | 107.4  | 84.6  | 144.6 |
| + EIC (83.0) Scan 04JAN12.D |         |      | 83.0, 97.0, 85.0 |       |      | + Scan (8.785-8.857 min, 26 scans) 04JAN12.D |       |       |
|                             |         |      |                  |       |      |  |       |       |

# Quantitation Results Report (QT Reviewed)

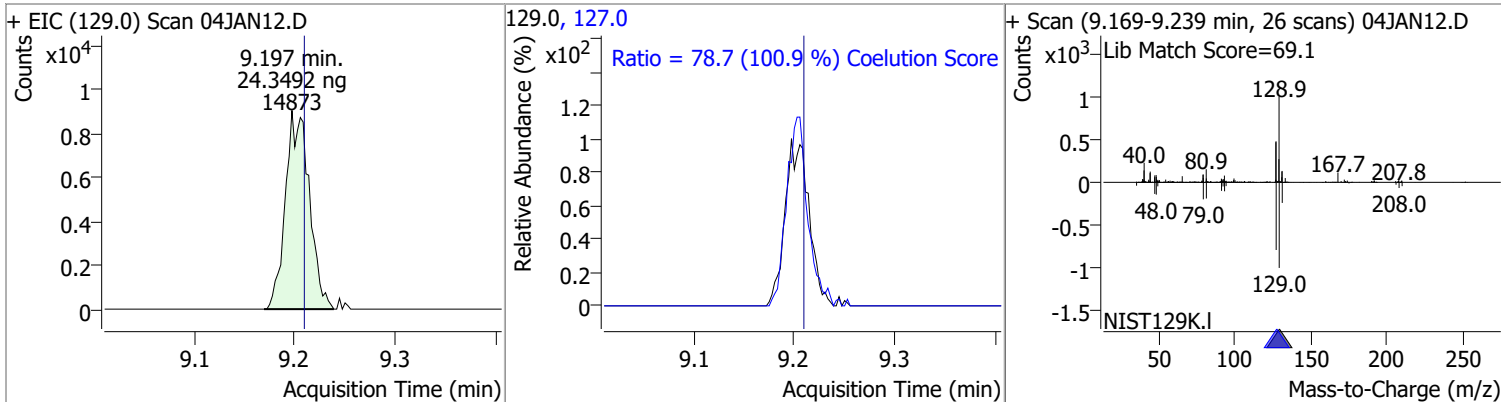
| Compound          | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Tetrachloroethene | 25.3948 | 8.94 | 0.00     | 20322 | 165.8 | 123.7  | 98.6  | 158.6 |
|                   |         |      |          |       | 129.0 | 90.9   | 61.5  | 121.5 |



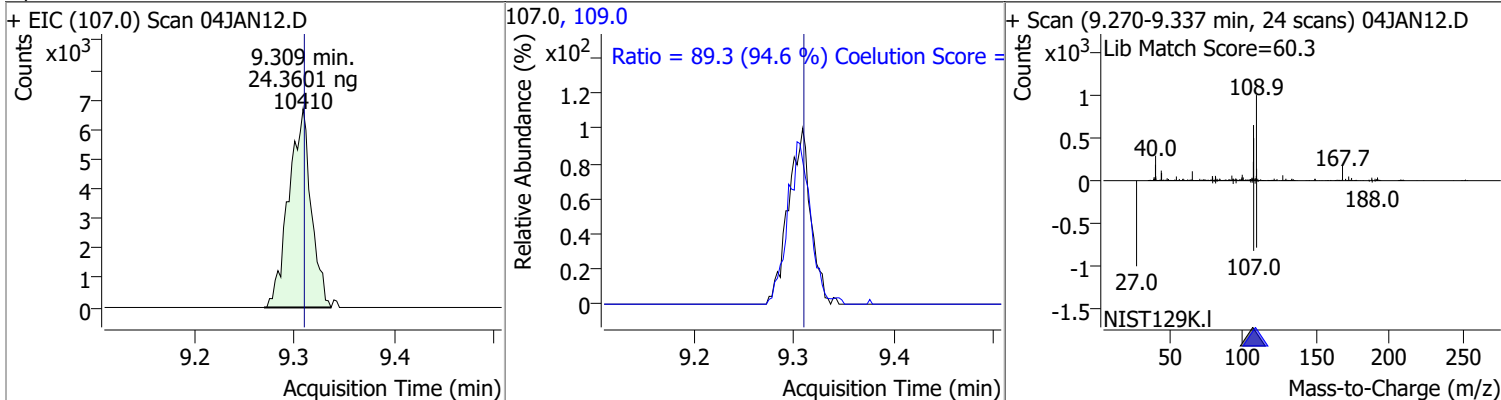
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,3-Dichloropropane | 24.3839 | 8.98 | 0.00     | 18745 | 78.0 | 33.6   | 2.9   | 62.9  |



| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 24.3492 | 9.20 | -0.01    | 14873 | 127.0 | 78.7   | 48.0  | 108.0 |



| Compound          | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|---------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 24.3601 | 9.31 | 0.00     | 10410 | 109.0 | 89.3   | 64.5  | 124.5 |

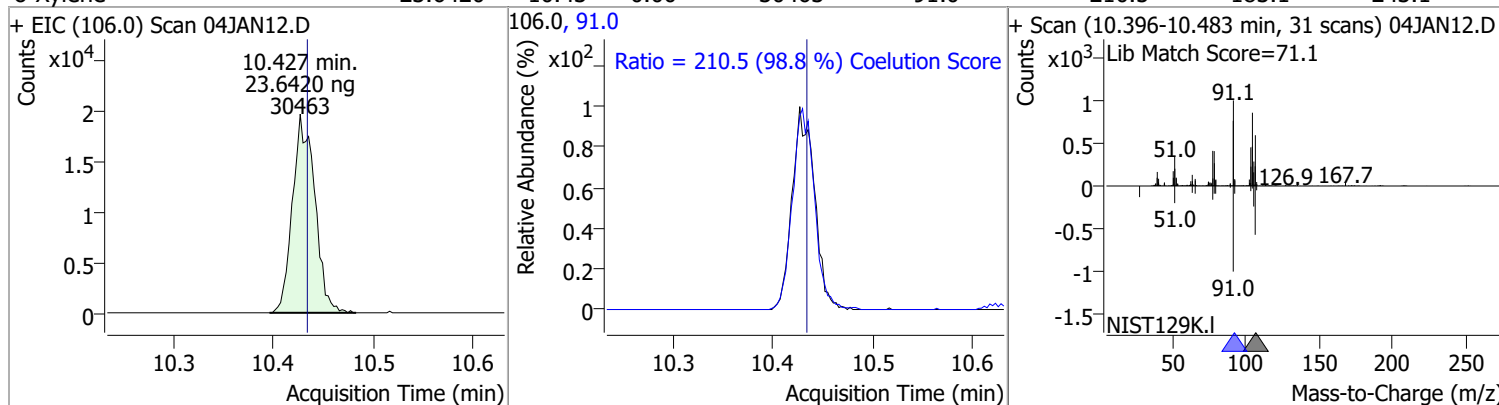


# Quantitation Results Report (QT Reviewed)

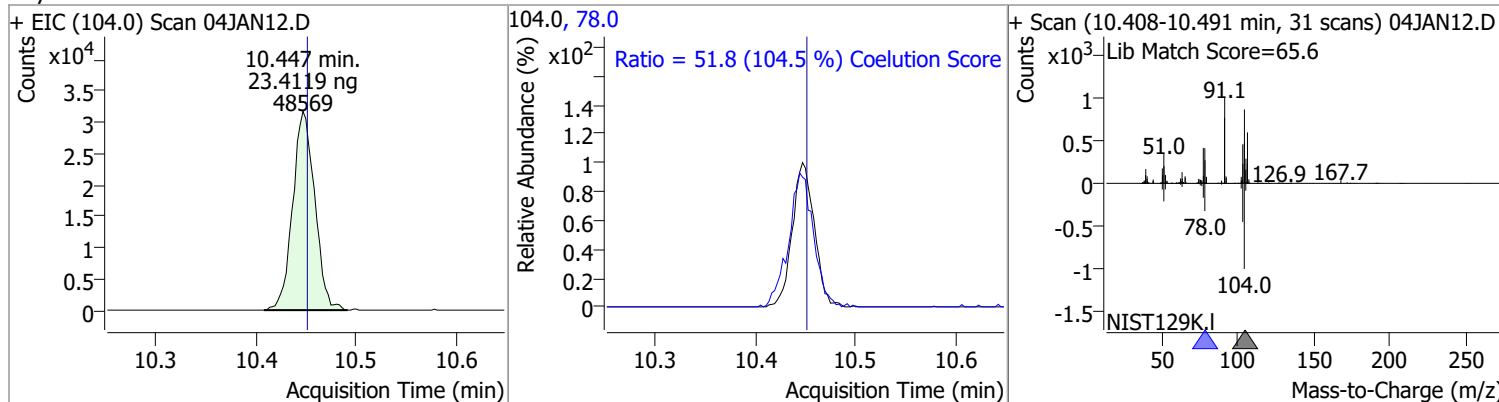
| Compound                     | Conc.   | RT    | Dev(Min)     | Resp. | QIon  | QRatio  | Lower | Upper |
|------------------------------|---------|-------|--------------|-------|-------|---|-------|-------|
| Chlorobenzene                | 24.7015 | 9.80  | 0.00         | 53047 | 114.0 | 32.0  | 2.1   | 62.1  |
| + EIC (112.0) Scan 04JAN12.D |         |       | 112.0, 114.0 |       |       | + Scan (9.763-9.864 min, 37 scans) 04JAN12.D  |       |       |
|                              |         |       |              |       |       |   |       |       |
| 1,1,1,2-Tetrachloroethane    | 24.1509 | 9.89  | 0.00         | 18130 | 133.0 | 98.8  | 68.6  | 128.6 |
| + EIC (131.0) Scan 04JAN12.D |         |       | 131.0, 133.0 |       |       | + Scan (9.855-9.939 min, 31 scans) 04JAN12.D  |       |       |
|                              |         |       |              |       |       |   |       |       |
| Ethylbenzene                 | 23.7421 | 9.92  | 0.00         | 88428 | 106.0 | 31.1  | 1.1   | 61.1  |
| + EIC (91.0) Scan 04JAN12.D  |         |       | 91.0, 106.0  |       |       | + Scan (9.878-9.984 min, 39 scans) 04JAN12.D  |       |       |
|                              |         |       |              |       |       |   |       |       |
| m+p-Xylenes                  | 45.7836 | 10.04 | 0.00         | 66267 | 91.0  | 204.5   | 171.4 | 231.4 |
| + EIC (106.0) Scan 04JAN12.D |         |       | 106.0, 91.0  |       |       | + Scan (9.998-10.092 min, 35 scans) 04JAN12.D |       |       |
|                              |         |       |              |       |       |   |       |       |

# Quantitation Results Report (QT Reviewed)

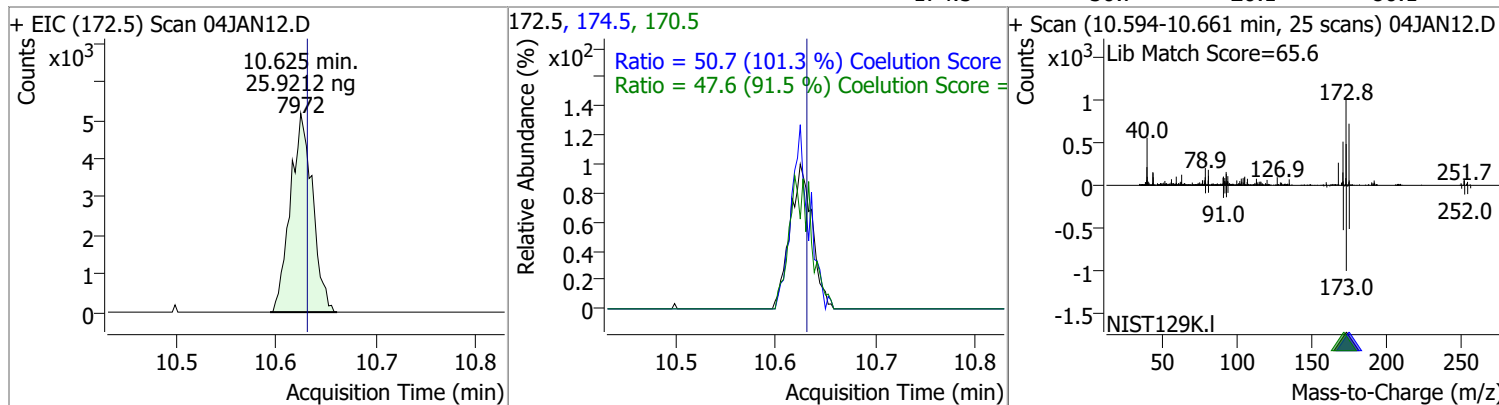
| Compound | Conc.   | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|-------|------|--------|-------|-------|
| o-Xylene | 23.6420 | 10.43 | 0.00     | 30463 | 91.0 | 210.5  | 183.1 | 243.1 |



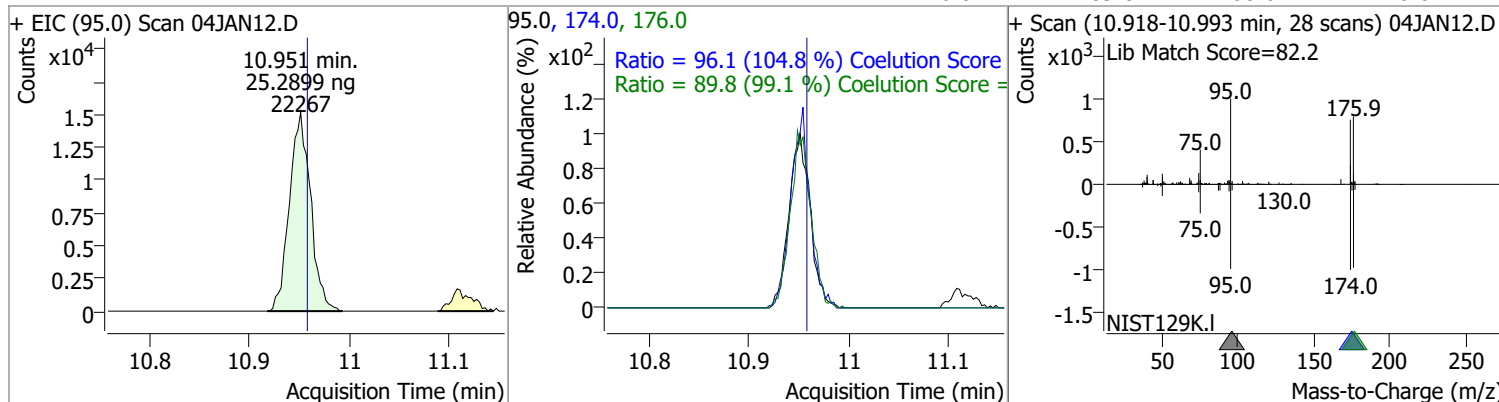
| Compound | Conc.   | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|-------|------|--------|-------|-------|
| Styrene  | 23.4119 | 10.45 | 0.00     | 48569 | 78.0 | 51.8   | 19.6  | 79.6  |



| Compound  | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|---------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 25.9212 | 10.63 | 0.00     | 7972  | 170.5 | 47.6   | 22.1  | 82.1  |
|           |         |       |          |       | 174.5 | 50.7   | 20.1  | 80.1  |

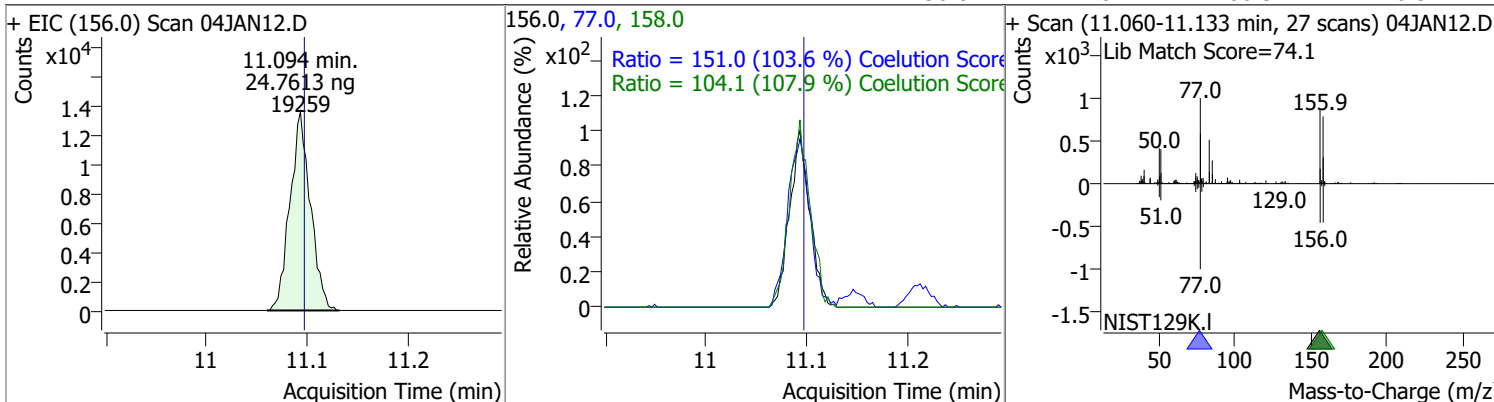


| Compound             | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|-------|----------|-------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 25.2899 | 10.95 | 0.00     | 22267 | 174.0 | 96.1   | 61.7  | 121.7 |
|                      |         |       |          |       | 176.0 | 89.8   | 60.6  | 120.6 |

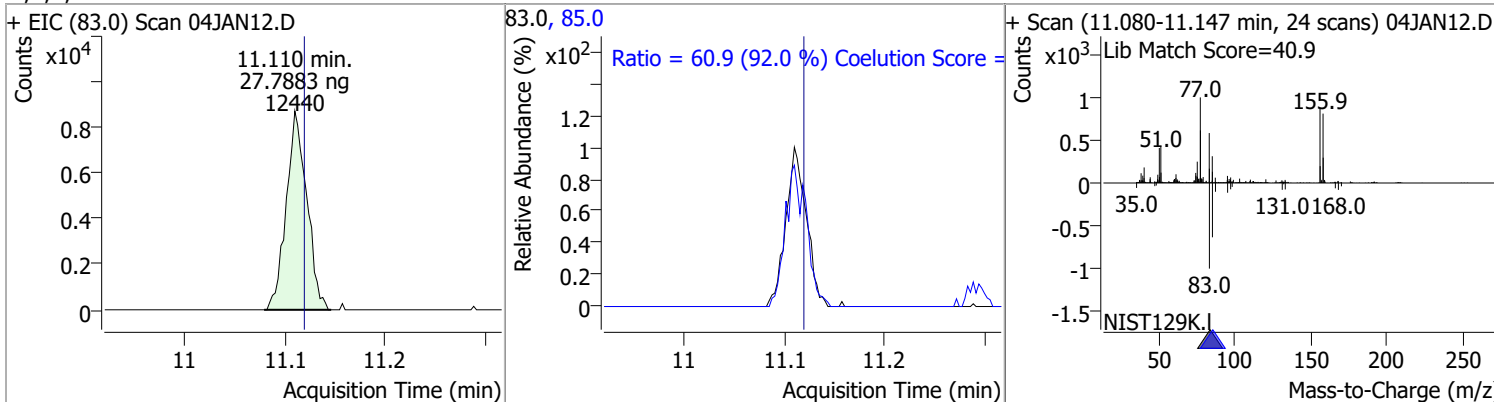


# Quantitation Results Report (QT Reviewed)

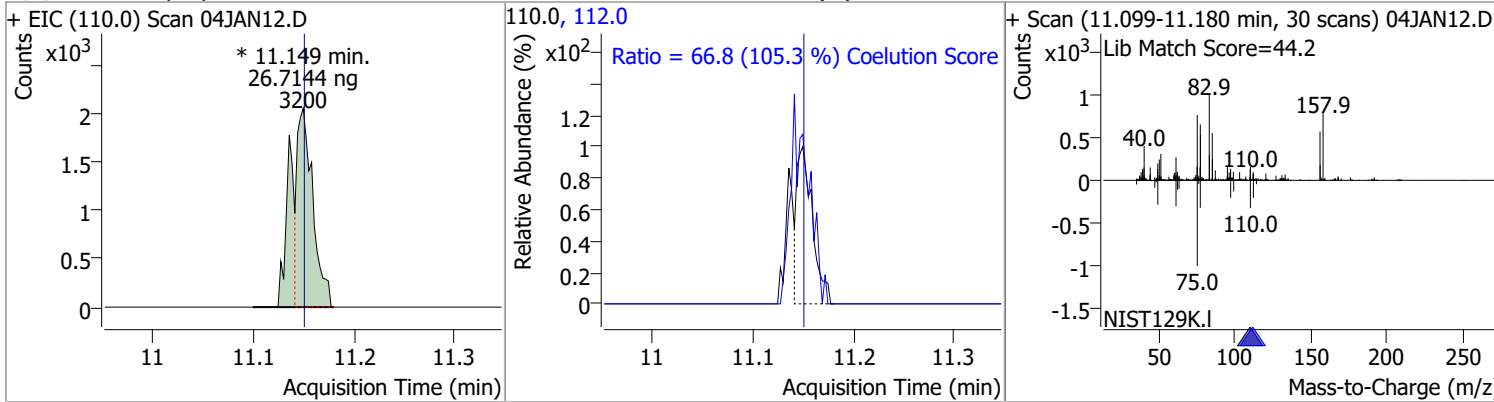
| Compound     | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|--------------|---------|-------|----------|-------|-------|--------|-------|-------|
| Bromobenzene | 24.7613 | 11.09 | 0.00     | 19259 | 77.0  | 151.0  | 115.7 | 175.7 |
|              |         |       |          |       | 158.0 | 104.1  | 66.5  | 126.5 |



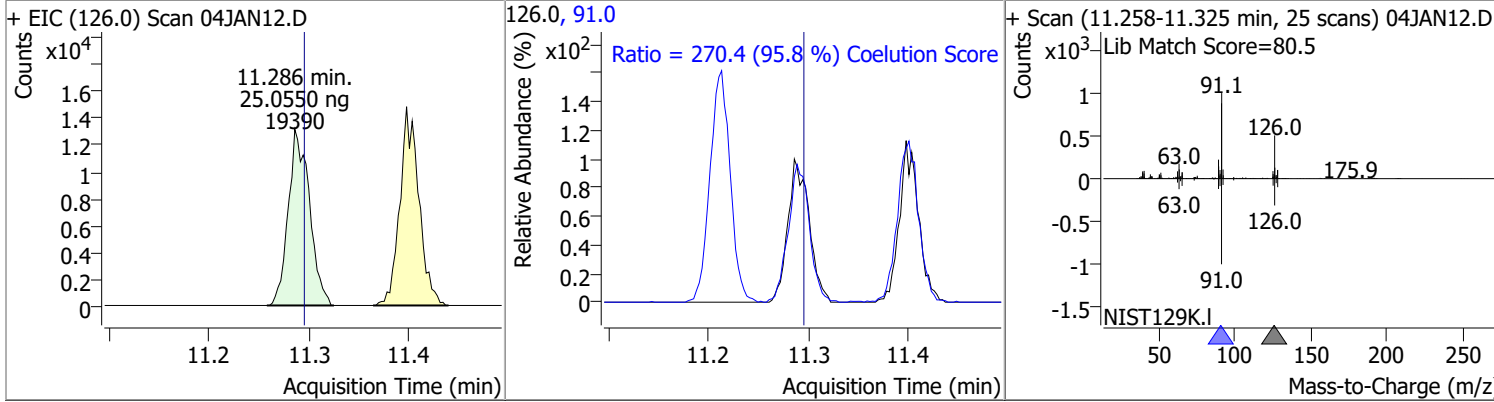
| Compound                  | Conc.   | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|---------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 27.7883 | 11.11 | -0.01    | 12440 | 85.0 | 60.9   | 36.2  | 96.2  |



| Compound               | Conc.   | RT    | Dev(Min) | Resp.    | QIon  | QRatio | Lower | Upper |
|------------------------|---------|-------|----------|----------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 26.7144 | 11.15 | 0.00     | 3200 (m) | 112.0 | 66.8   | 33.5  | 93.5  |



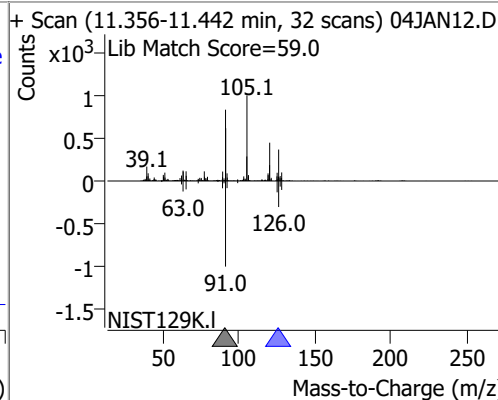
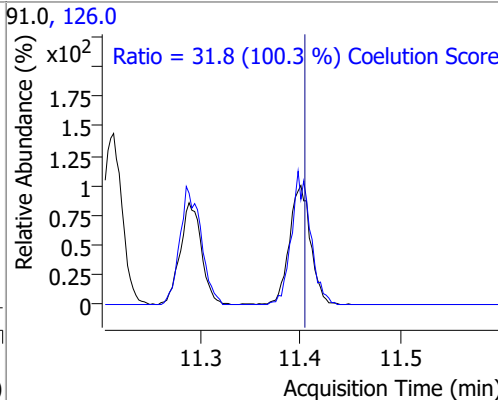
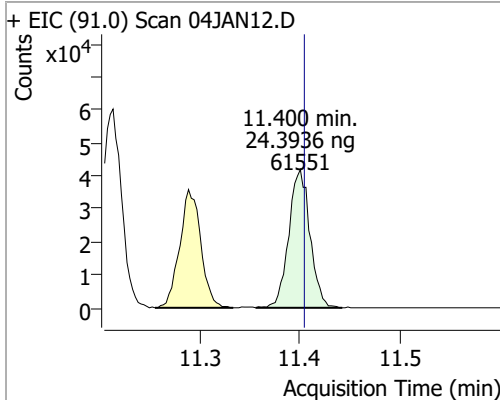
| Compound        | Conc.   | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------|---------|-------|----------|-------|------|--------|-------|-------|
| 2-Chlorotoluene | 25.0550 | 11.29 | -0.01    | 19390 | 91.0 | 270.4  | 252.3 | 312.3 |



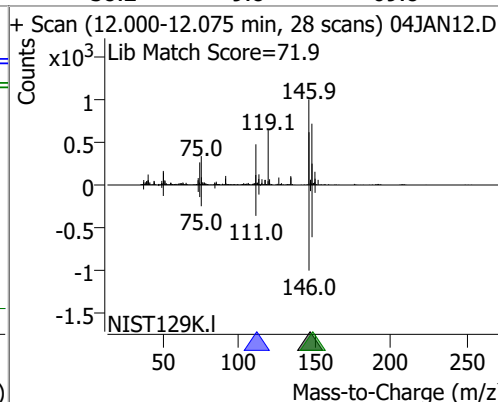
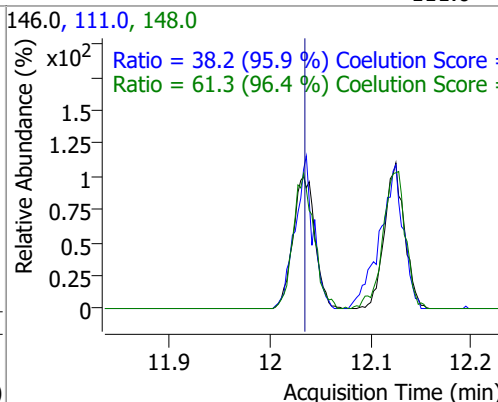
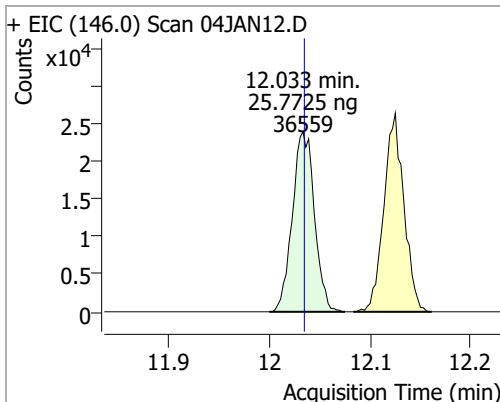


# Quantitation Results Report (QT Reviewed)

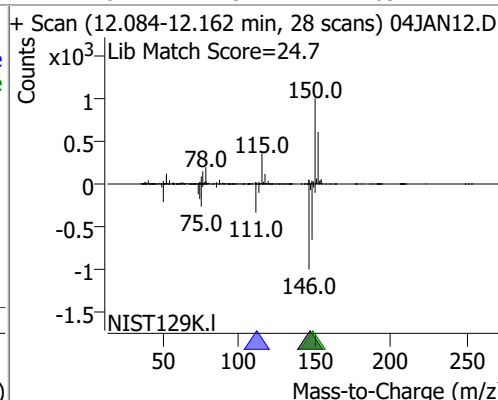
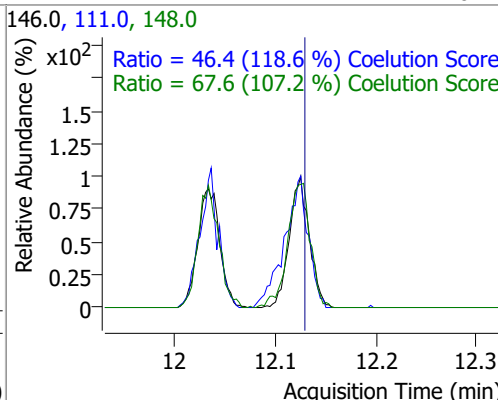
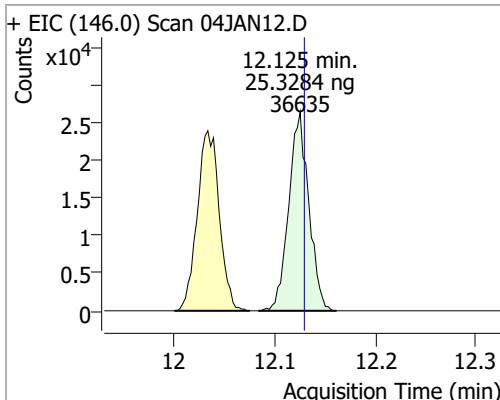
| Compound        | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------------|---------|-------|----------|-------|-------|--------|-------|-------|
| 4-Chlorotoluene | 24.3936 | 11.40 | 0.00     | 61551 | 126.0 | 31.8   | 1.7   | 61.7  |



| Compound            | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|---------|-------|----------|-------|-------|--------|-------|-------|
| 1,3-Dichlorobenzene | 25.7725 | 12.03 | 0.00     | 36559 | 148.0 | 61.3   | 33.6  | 93.6  |
|                     |         |       |          |       | 111.0 | 38.2   | 9.8   | 69.8  |



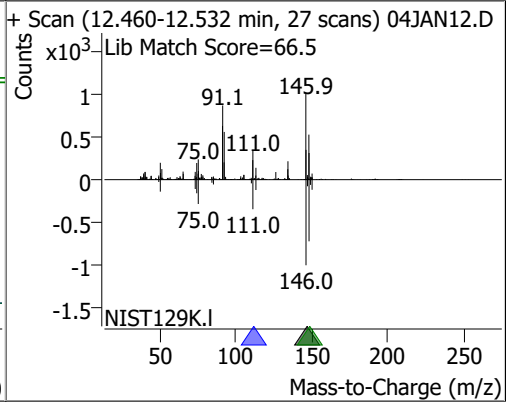
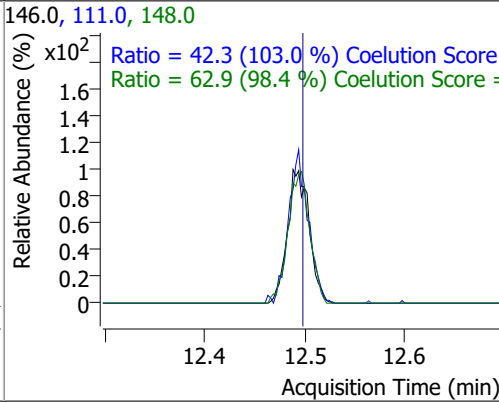
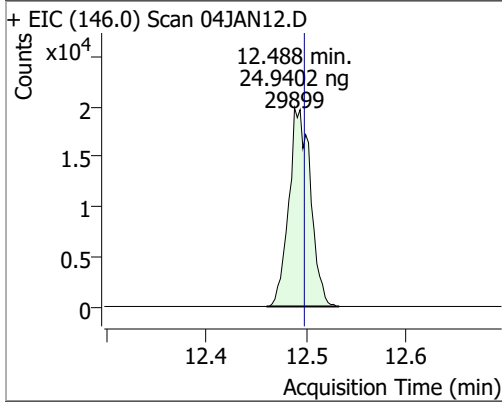
| Compound            | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|---------|-------|----------|-------|-------|--------|-------|-------|
| 1,4-Dichlorobenzene | 25.3284 | 12.13 | 0.00     | 36635 | 148.0 | 67.6   | 33.1  | 93.1  |
|                     |         |       |          |       | 111.0 | 46.4   | 9.1   | 69.1  |





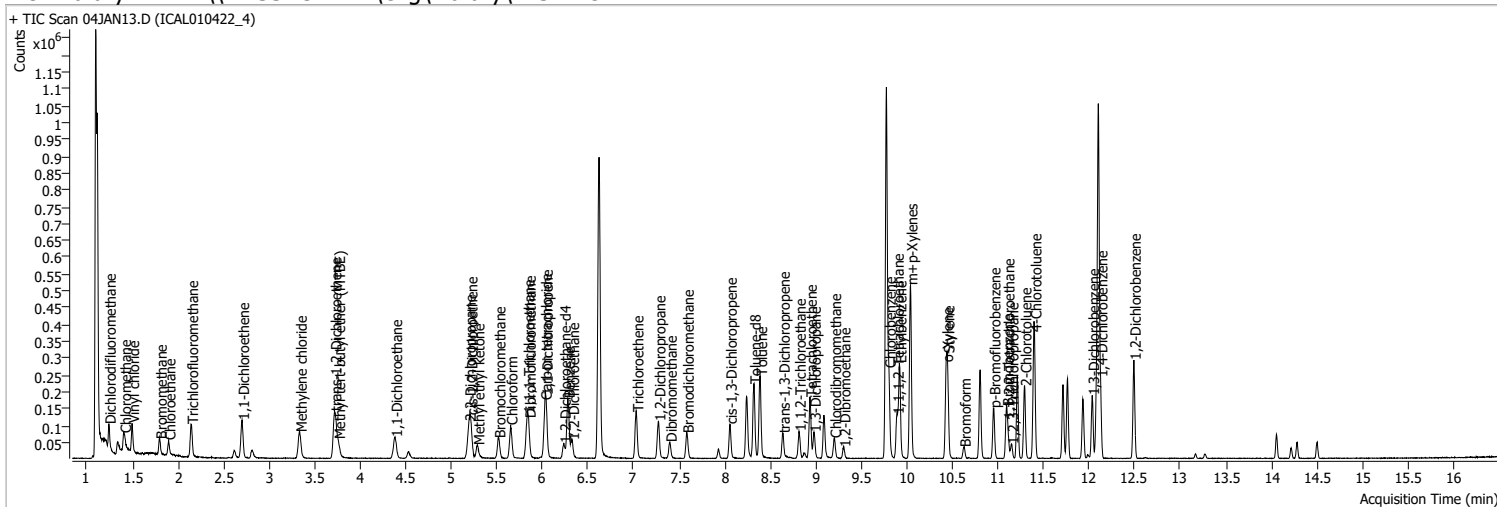
# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|---------|-------|----------|-------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 24.9402 | 12.49 | -0.01    | 29899 | 148.0 | 62.9   | 33.9  | 93.9  |
|                     |         |       |          |       | 111.0 | 42.3   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN13.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 4:55:32 PM   |
| Sample Name    | ICAL010422_4                        | Instrument        | VOA5975C              |
| Vial           | 13                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.               | Conc.    | Units | Dev(Min) |
|------------------------------------|----------------------|-------|---------------------|----------|-------|----------|
| <b>Internal Standards</b>          |                      |       |                     |          |       |          |
| M Fluorobenzene                    | 6.623                | 96.0  | 778120              | 250.0000 | ng    | 0.000    |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 300356              | 250.0000 | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 248636              | 250.0000 | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |                     |          |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 35309               | 48.1661  | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       | Recovery = 19.27% * |          |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 15238               | 48.1252  | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       | Recovery = 19.25% * |          |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 136453              | 47.1441  | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       | Recovery = 18.86% * |          |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 42506               | 46.6647  | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       | Recovery = 18.67% * |          |       |          |
| <b>Target Compounds</b>            |                      |       |                     |          |       |          |
| T Dichlorodifluoromethane          | 1.241                | 85.0  | 50457               | 49.4835  | ng    | 97       |
| T Chloromethane                    | 1.408                | 50.0  | 61632               | 49.7983  | ng    | 99       |
| T Vinyl chloride                   | 1.495                | 62.0  | 54521               | 48.9580  | ng    | 96       |
| T Bromomethane                     | 1.799                | 96.0  | 23699               | 47.5921  | ng    | 100      |
| T Chloroethane                     | 1.897                | 64.0  | 25484               | 46.2243  | ng    | 98       |
| T Trichlorofluoromethane           | 2.145                | 101.0 | 68163               | 49.3128  | ng    | 98       |
| T 1,1-Dichloroethene               | 2.702                | 96.0  | 38253               | 48.8056  | ng    | 100      |
| T Methylene chloride               | 3.335                | 49.0  | 58282               | 50.4421  | ng    | 99       |
| T trans-1,2-Dichloroethene         | 3.717                | 96.0  | 39596               | 49.5178  | ng    | 99       |
| T Methyl tert-butyl ether (MTBE)   | 3.757                | 73.0  | 49126               | 47.5301  | ng    | 100      |
| T 1,1-Dichloroethane               | 4.381                | 63.0  | 73205               | 49.1828  | ng    | 100      |
| T 2,2-Dichloropropane              | 5.193                | 77.0  | 56189               | 50.3804  | ng    | 100      |
| T cis-1,2-Dichloroethene           | 5.209                | 96.0  | 39251               | 48.4154  | ng    | 99       |
| T Methyl ethyl ketone              | 5.285                | 43.0  | 52648               | 479.4296 | ng    | 99       |
| T Bromochloromethane               | 5.516                | 128.0 | 17338               | 51.6233  | ng    | 96       |
| T Chloroform                       | 5.650                | 83.0  | 71403               | 48.2031  | ng    | 99       |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.  | Conc.   | Units | Dev(Min) |
|-----------------------------|--------|-------|--------|---------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.834  | 97.0  | 67007  | 48.2688 | ng    | 98       |
| T Carbon tetrachloride      | 6.026  | 117.0 | 65313  | 47.7520 | ng    | 98       |
| T 1,1-Dichloropropene       | 6.035  | 75.0  | 56376  | 47.7627 | ng    | 99       |
| T Benzene                   | 6.277  | 78.0  | 148727 | 48.0054 | ng    | 100      |
| T 1,2-Dichloroethane        | 6.325  | 62.0  | 41058  | 48.9880 | ng    | 97       |
| T Trichloroethene           | 7.030  | 95.0  | 42682  | 47.1189 | ng    | 98       |
| T 1,2-Dichloropropane       | 7.273  | 63.0  | 37870  | 47.5273 | ng    | 96       |
| T Dibromomethane            | 7.396  | 93.0  | 15989  | 47.4844 | ng    | 97       |
| T Bromodichloromethane      | 7.585  | 83.0  | 43900  | 47.2409 | ng    | 97       |
| T cis-1,3-Dichloropropene   | 8.057  | 75.0  | 48886  | 46.5283 | ng    | 97       |
| T Toluene                   | 8.388  | 92.0  | 91915  | 47.0116 | ng    | 100      |
| T trans-1,3-Dichloropropene | 8.639  | 75.0  | 35179  | 47.0378 | ng    | 100      |
| T 1,1,2-Trichloroethane     | 8.815  | 83.0  | 18884  | 48.4759 | ng    | 99       |
| T Tetrachloroethene         | 8.935  | 163.8 | 36925  | 46.2932 | ng    | 97       |
| T 1,3-Dichloropropane       | 8.980  | 76.0  | 37457  | 48.8841 | ng    | 98       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 28153  | 46.2411 | ng    | 99       |
| T 1,2-Dibromoethane         | 9.303  | 107.0 | 21037  | 49.3889 | ng    | 93       |
| T Chlorobenzene             | 9.802  | 112.0 | 101452 | 47.3959 | ng    | 99       |
| T 1,1,1,2-Tetrachloroethane | 9.889  | 131.0 | 35544  | 47.5029 | ng    | 99       |
| T Ethylbenzene              | 9.917  | 91.0  | 173769 | 46.8079 | ng    | 99       |
| T m+p-Xylenes               | 10.039 | 106.0 | 133498 | 92.5347 | ng    | 98       |
| T o-Xylene                  | 10.430 | 106.0 | 61016  | 47.5086 | ng    | 98       |
| T Styrene                   | 10.444 | 104.0 | 96576  | 46.7052 | ng    | 100      |
| T Bromoform                 | 10.625 | 172.5 | 16073  | 50.5170 | ng    | 96       |
| T Bromobenzene              | 11.093 | 156.0 | 38282  | 47.5759 | ng    | 98       |
| T 1,1,2,2-Tetrachloroethane | 11.105 | 83.0  | 22514  | 48.6124 | ng    | 99       |
| T 1,2,3-Trichloropropane    | 11.146 | 110.0 | 6096   | 49.1924 | ng    | 97       |
| T 2-Chlorotoluene           | 11.289 | 126.0 | 37987  | 47.4466 | ng    | 99       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 126308 | 48.3865 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 69539  | 47.3853 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.125 | 146.0 | 71841  | 48.0106 | ng    | 97       |
| T 1,2-Dichlorobenzene       | 12.491 | 146.0 | 60213  | 48.5498 | ng    | 98       |

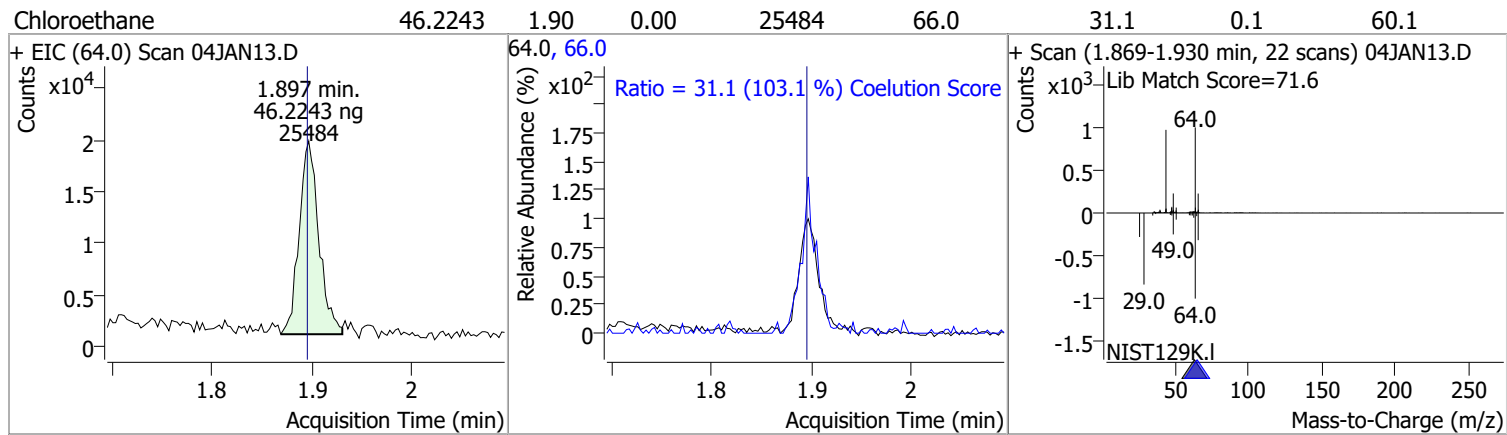
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

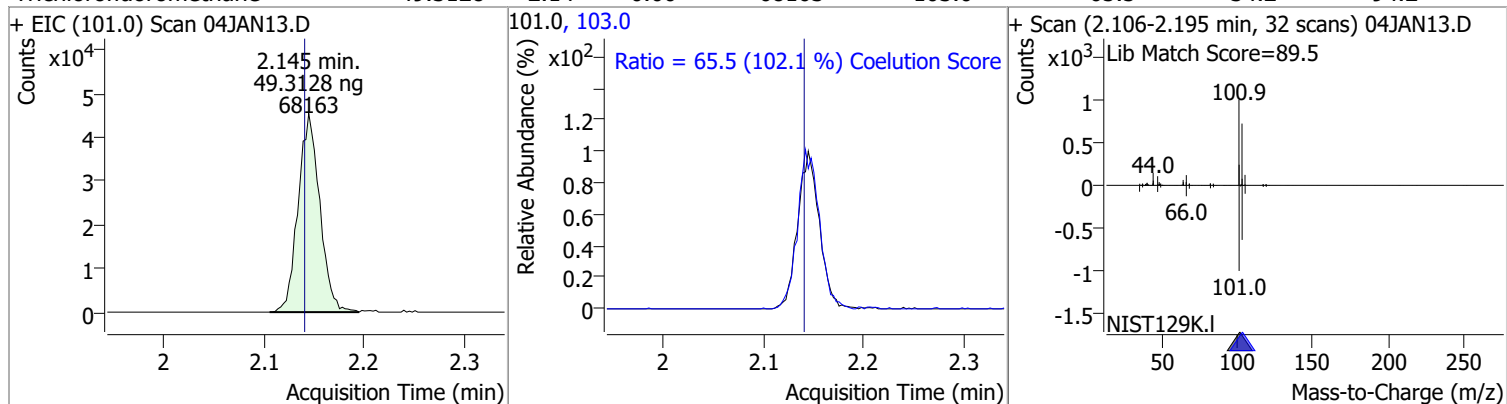
| Compound                    | Conc.   | RT  | Dev(Min)   | Resp. | QIon | QRatio                                       | Lower | Upper |
|-----------------------------|---------|---|------------|-------|------|--|-------|-------|
| Dichlorodifluoromethane     | 49.4835 | 1.24                                      | 0.00       | 50457 | 87.0 | 30.8   | 2.3   | 62.3  |
| + EIC (85.0) Scan 04JAN13.D |         |   | 85.0, 87.0 |       |      | + Scan (1.216-1.322 min, 39 scans) 04JAN13.D |       |       |
|                             |         | Ratio = 30.8 (95.4 %) Coelution Score =   |            |       |      |  |       |       |
| Chloromethane               | 49.7983 | 1.41                                      | 0.00       | 61632 | 52.0 | 32.8   | 2.1   | 62.1  |
| + EIC (50.0) Scan 04JAN13.D |         |   | 50.0, 52.0 |       |      | + Scan (1.372-1.478 min, 39 scans) 04JAN13.D |       |       |
|                             |         | Ratio = 32.8 (101.9 %) Coelution Score =  |            |       |      |  |       |       |
| Vinyl chloride              | 48.9580 | 1.49                                      | 0.00       | 54521 | 64.0 | 27.7   | 0.0   | 59.9  |
| + EIC (62.0) Scan 04JAN13.D |         |   | 62.0, 64.0 |       |      | + Scan (1.470-1.570 min, 37 scans) 04JAN13.D |       |       |
|                             |         | Ratio = 27.7 (92.7 %) Coelution Score =   |            |       |      |  |       |       |
| Bromomethane                | 47.5921 | 1.80                                      | 0.00       | 23699 | 94.0 | 104.9  | 74.6  | 134.6 |
| + EIC (96.0) Scan 04JAN13.D |         |   | 96.0, 94.0 |       |      | + Scan (1.768-1.855 min, 32 scans) 04JAN13.D |       |       |
|                             |         | Ratio = 104.9 (100.2 %) Coelution Score = |            |       |      |  |       |       |

# Quantitation Results Report (QT Reviewed)

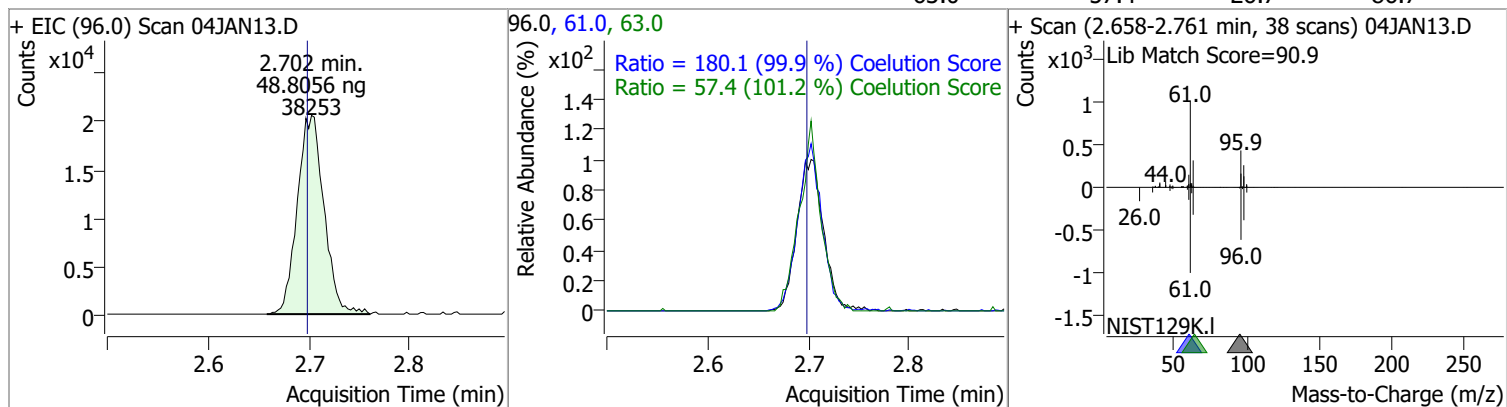
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



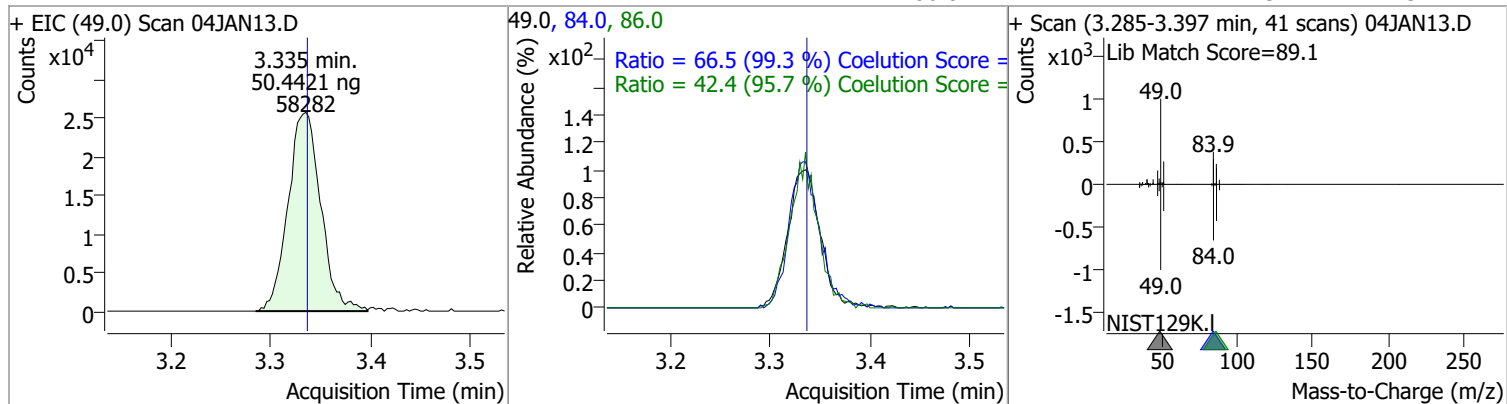
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|



| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

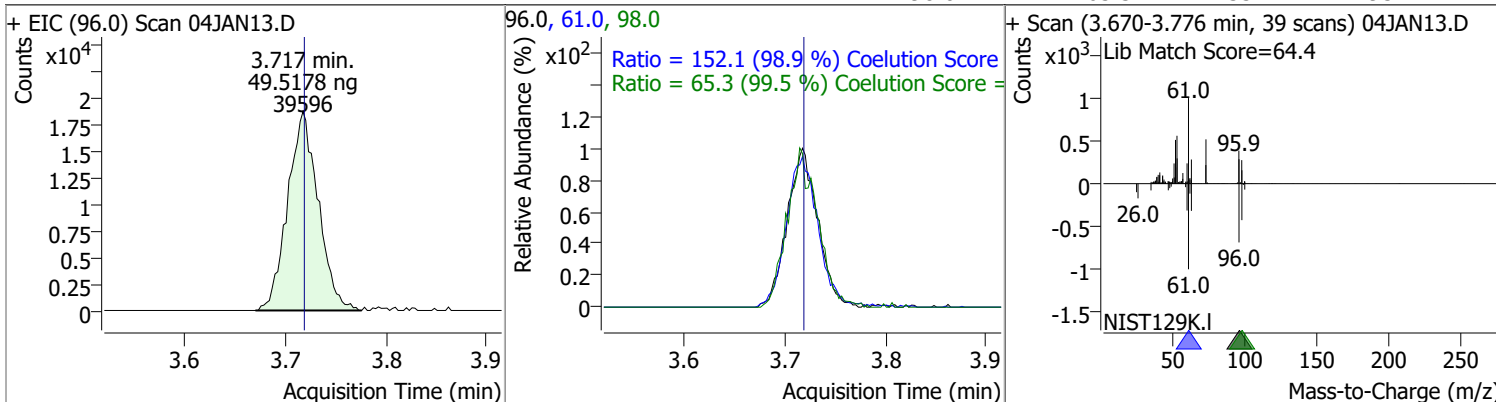


| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
|----------|-------|----|----------|-------|------|--------|-------|-------|

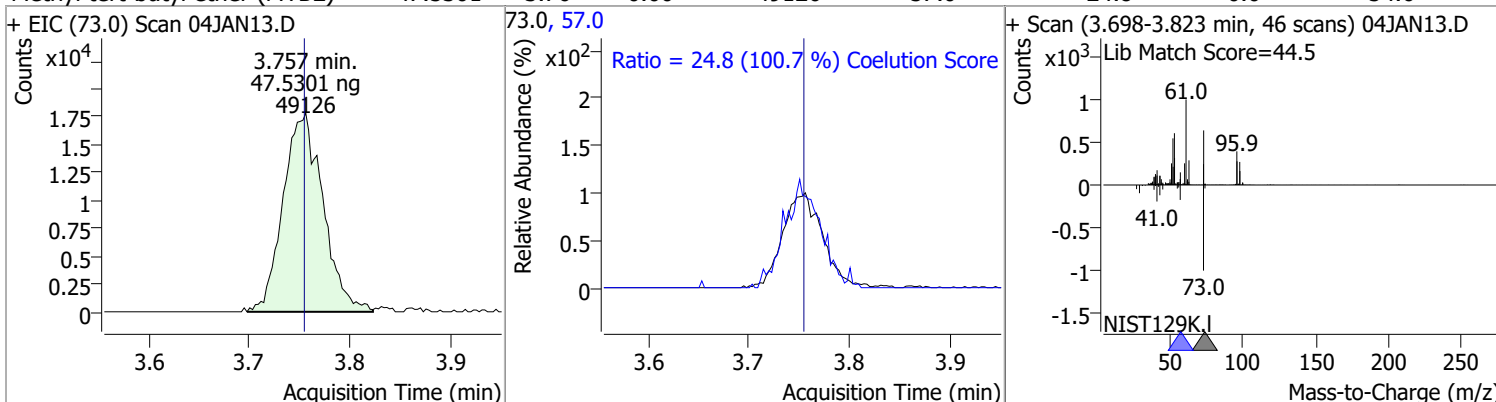


# Quantitation Results Report (QT Reviewed)

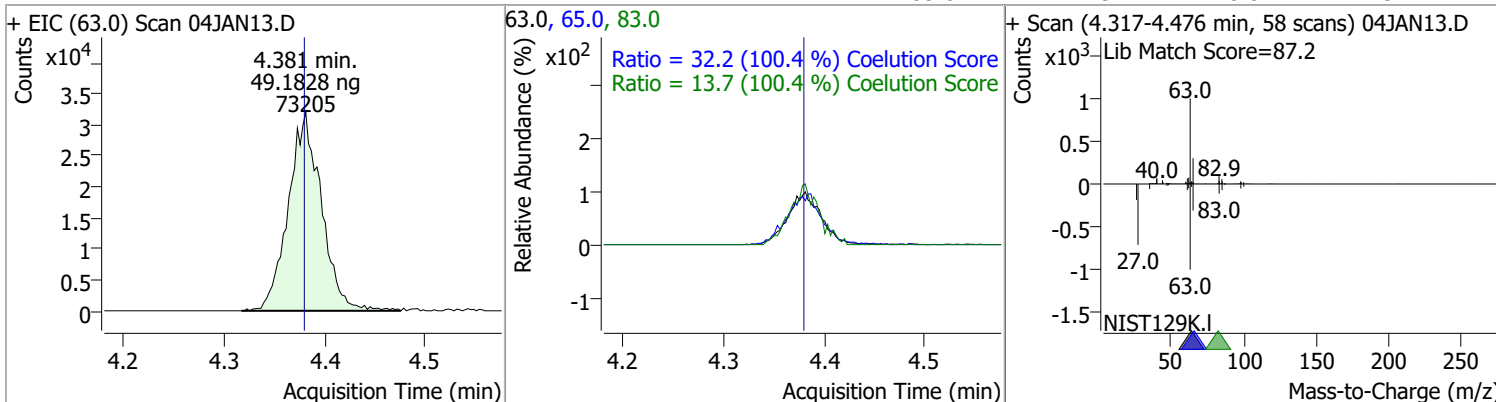
| Compound                 | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------------|---------|------|----------|-------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 49.5178 | 3.72 | 0.00     | 39596 | 61.0 | 152.1  | 123.9 | 183.9 |
|                          |         |      |          |       | 98.0 | 65.3   | 35.7  | 95.7  |



| Compound                       | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------------------|---------|------|----------|-------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 47.5301 | 3.76 | 0.00     | 49126 | 57.0 | 24.8   | 0.0   | 54.6  |

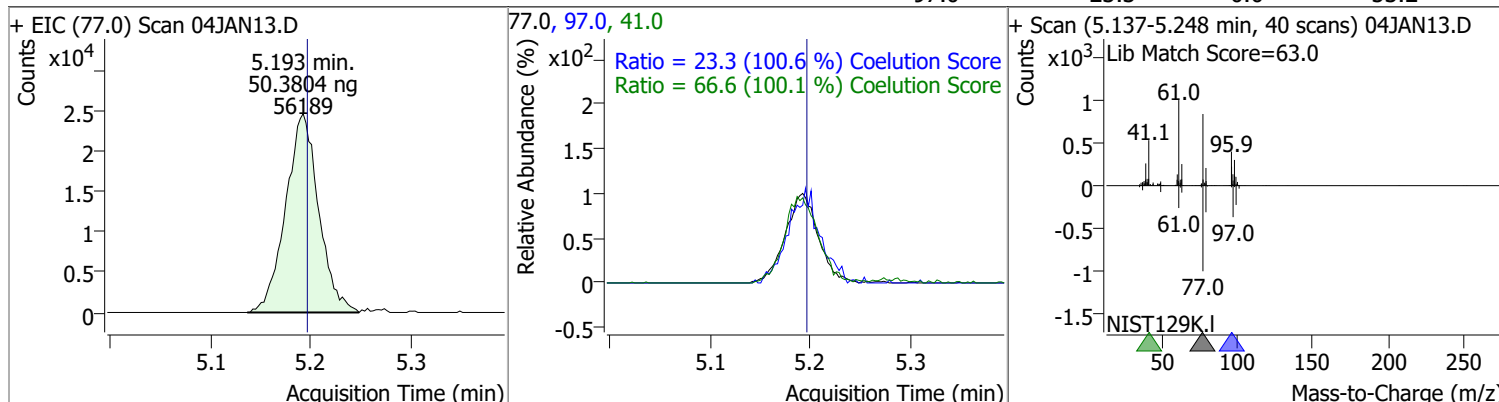


| Compound           | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,1-Dichloroethane | 49.1828 | 4.38 | 0.00     | 73205 | 65.0 | 32.2   | 2.1   | 62.1  |
|                    |         |      |          |       | 83.0 | 13.7   | 0.0   | 43.7  |

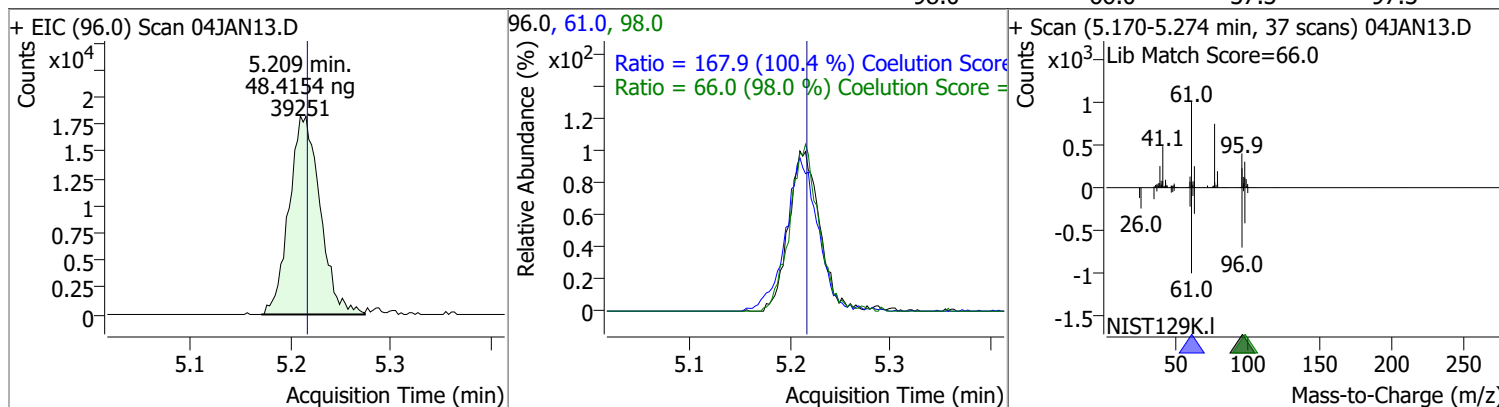


# Quantitation Results Report (QT Reviewed)

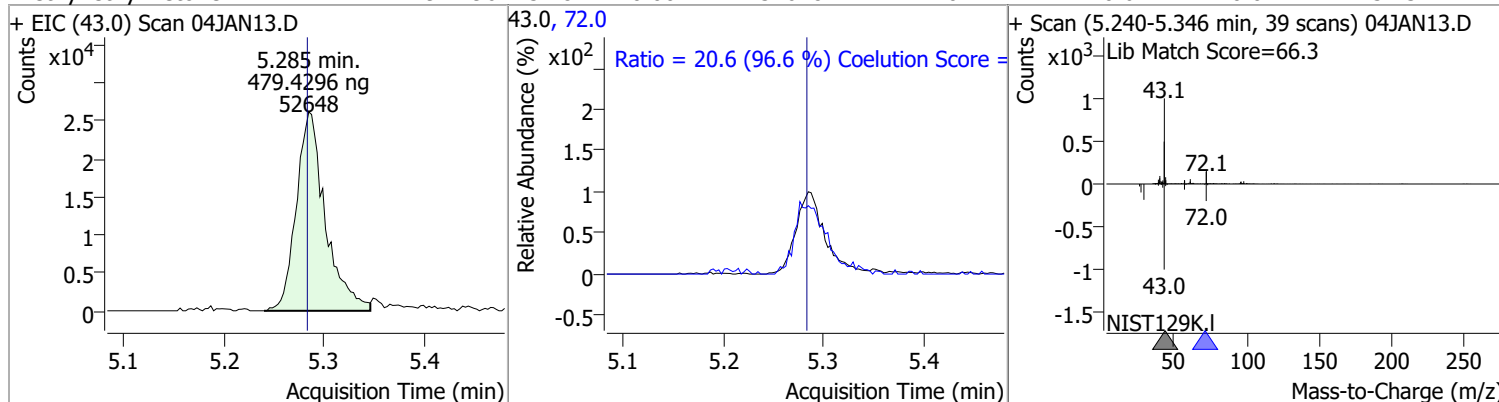
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 2,2-Dichloropropane | 50.3804 | 5.19 | 0.00     | 56189 | 41.0 | 66.6   | 36.5  | 96.5  |
|                     |         |      |          |       | 97.0 | 23.3   | 0.0   | 53.2  |



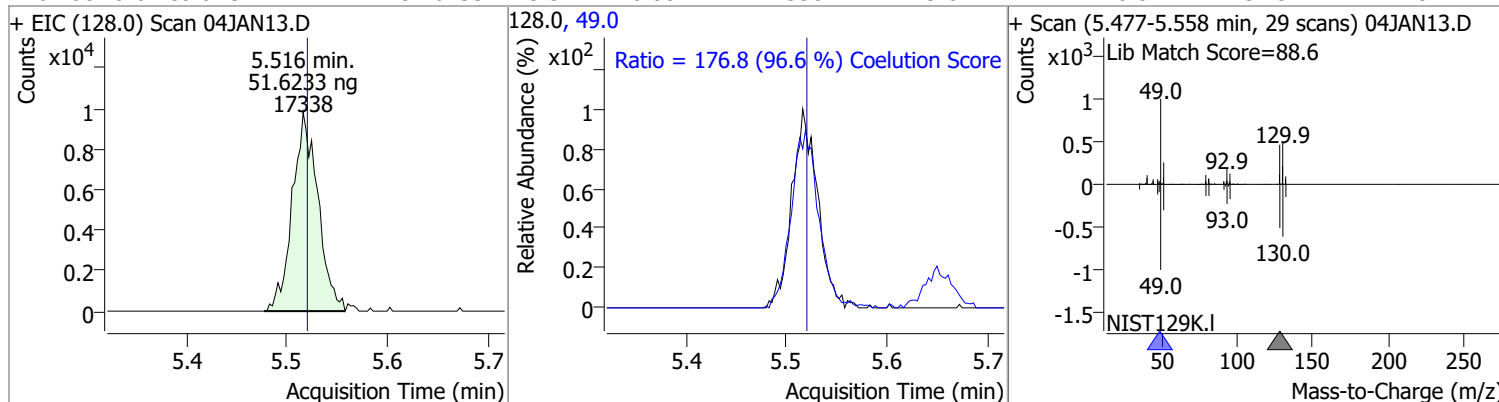
| Compound               | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------------------|---------|------|----------|-------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 48.4154 | 5.21 | -0.01    | 39251 | 61.0 | 167.9  | 137.2 | 197.2 |
|                        |         |      |          |       | 98.0 | 66.0   | 37.3  | 97.3  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| Methyl ethyl ketone | 479.4296 | 5.28 | 0.00     | 52648 | 72.0 | 20.6   | 0.0   | 51.3  |



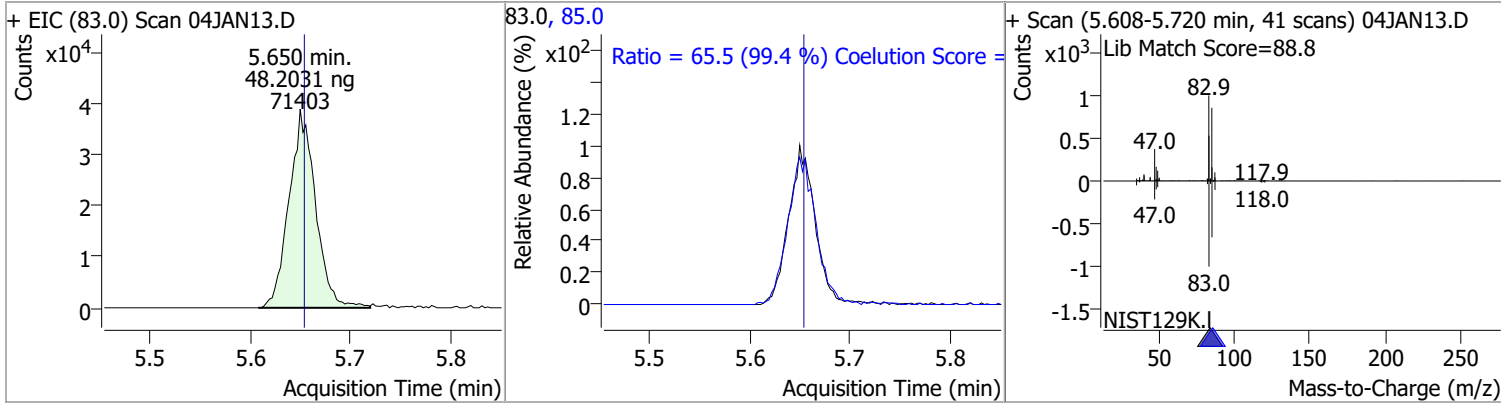
| Compound           | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 51.6233 | 5.52 | 0.00     | 17338 | 49.0 | 176.8  | 152.9 | 212.9 |



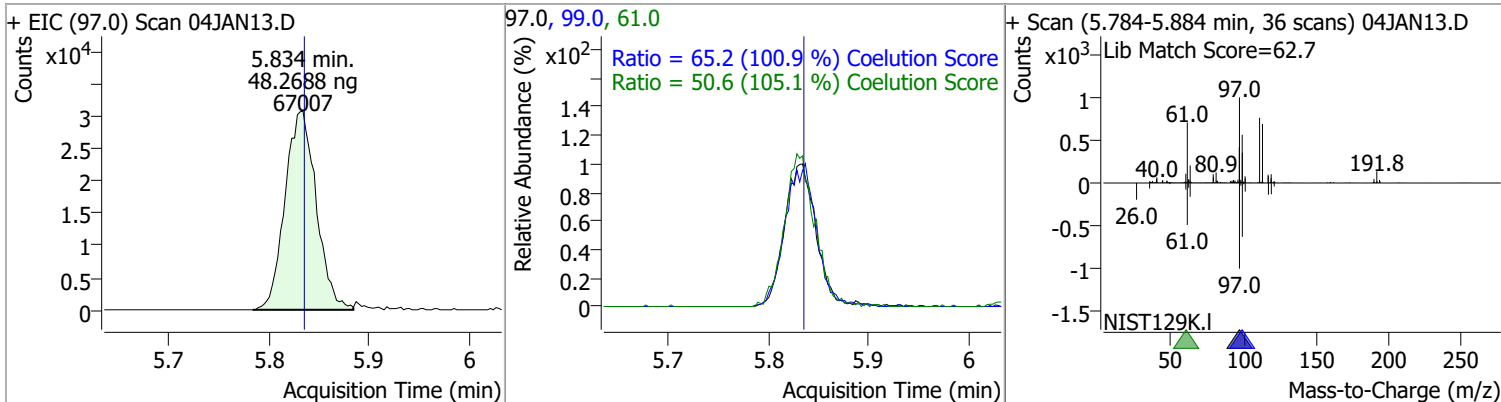


# Quantitation Results Report (QT Reviewed)

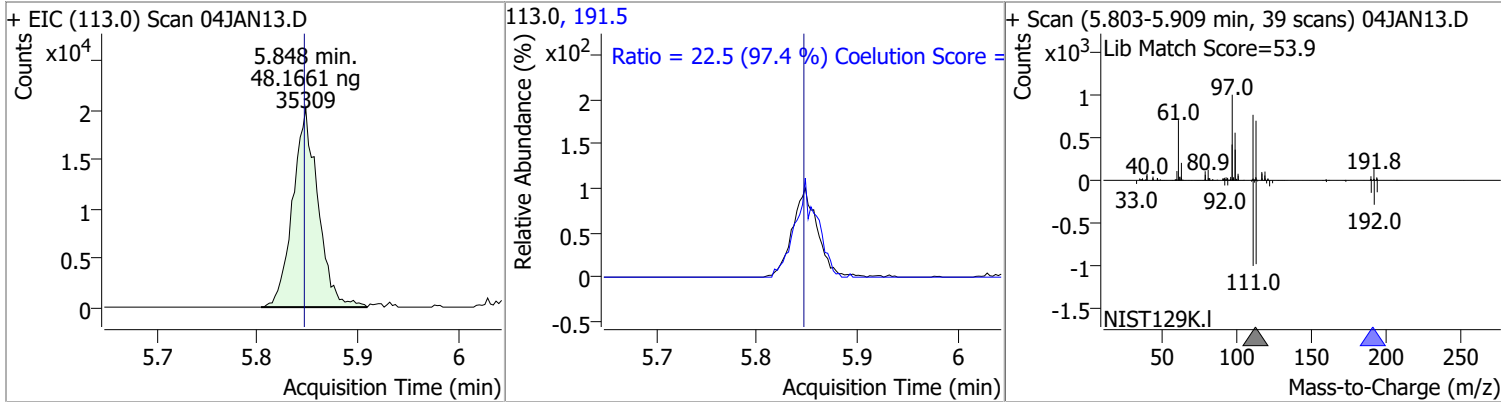
| Compound   | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|-------|------|--------|-------|-------|
| Chloroform | 48.2031 | 5.65 | 0.00     | 71403 | 85.0 | 65.5   | 36.0  | 96.0  |



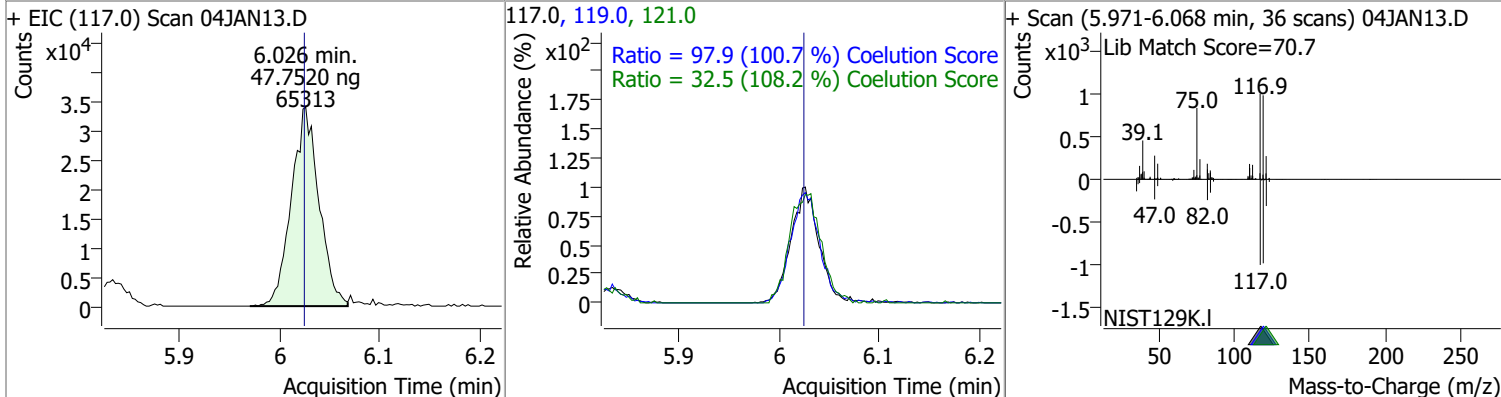
| Compound              | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 48.2688 | 5.83 | 0.00     | 67007 | 99.0 | 65.2   | 34.7  | 94.7  |
|                       |         |      |          |       | 61.0 | 50.6   | 18.1  | 78.1  |



| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Dibromofluoromethane | 48.1661 | 5.85 | 0.00     | 35309 | 191.5 | 22.5   | 0.0   | 53.1  |



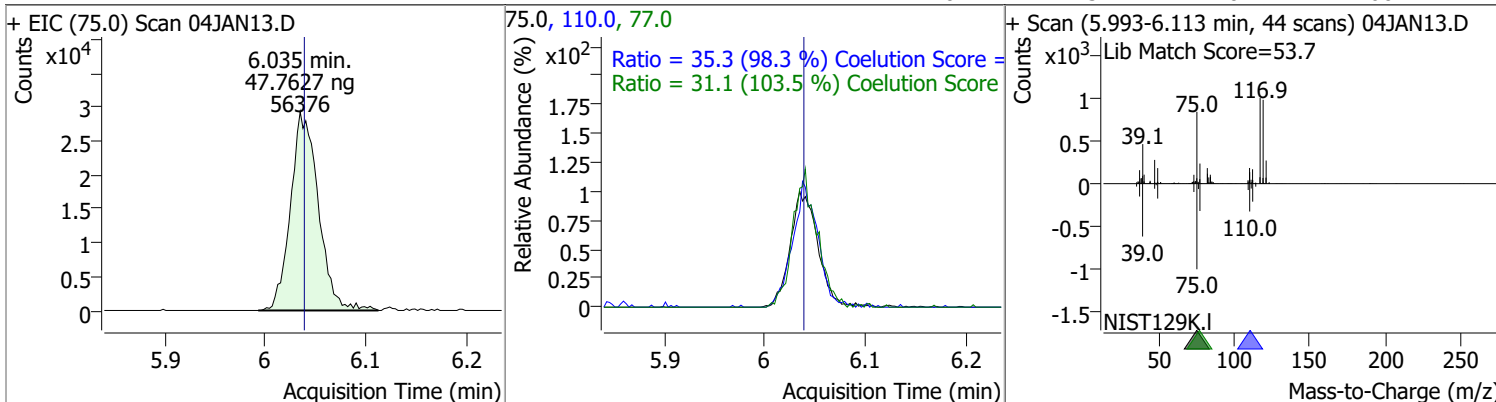
| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Carbon tetrachloride | 47.7520 | 6.03 | 0.00     | 65313 | 119.0 | 97.9   | 67.2  | 127.2 |
|                      |         |      |          |       | 121.0 | 32.5   | 0.1   | 60.1  |



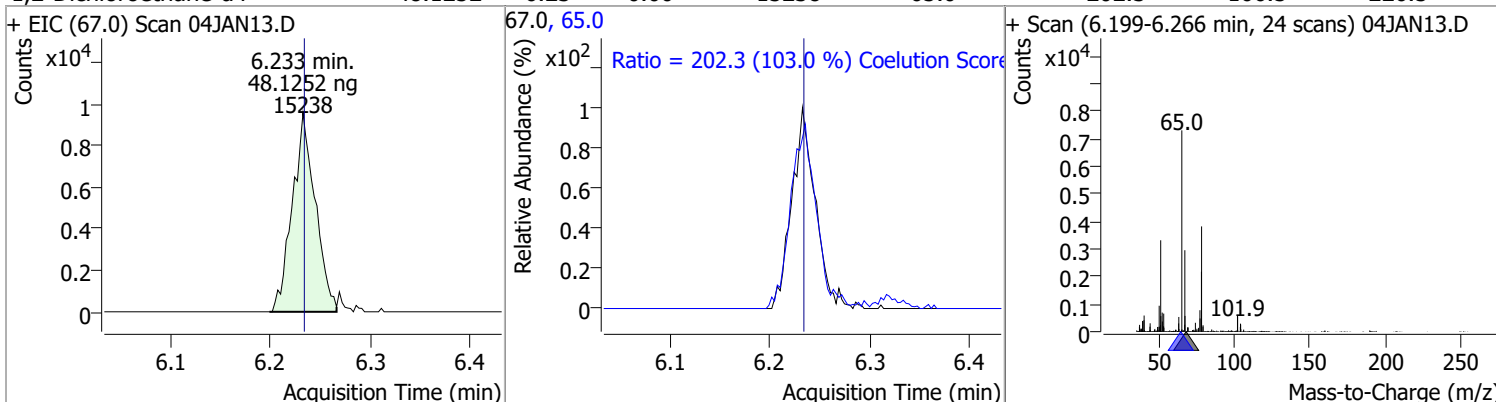


# Quantitation Results Report (QT Reviewed)

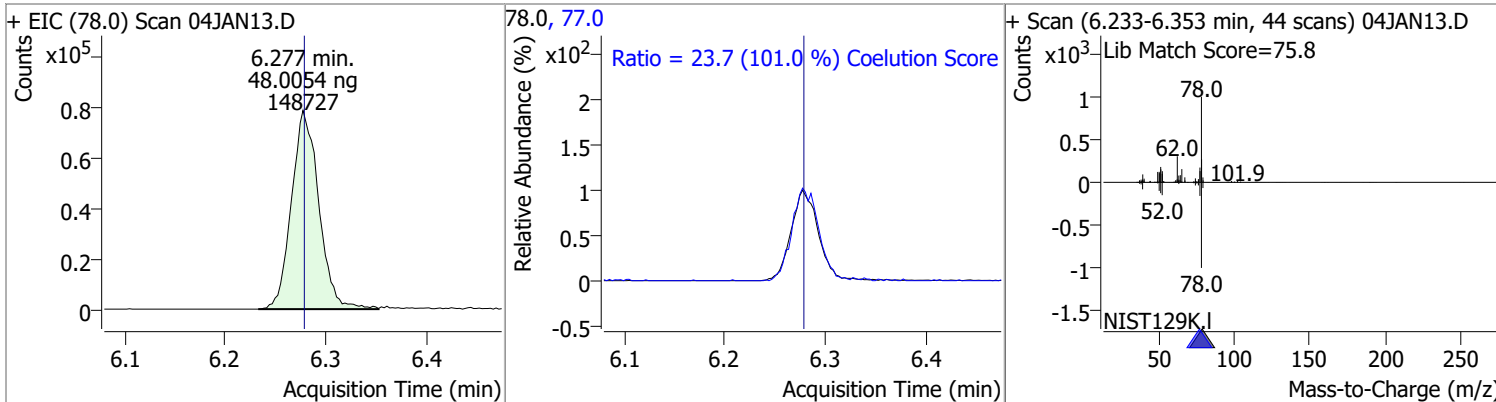
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 47.7627 | 6.03 | 0.00     | 56376 | 110.0 | 35.3   | 5.9   | 65.9  |
|                     |         |      |          |       | 77.0  | 31.1   | 0.1   | 60.1  |



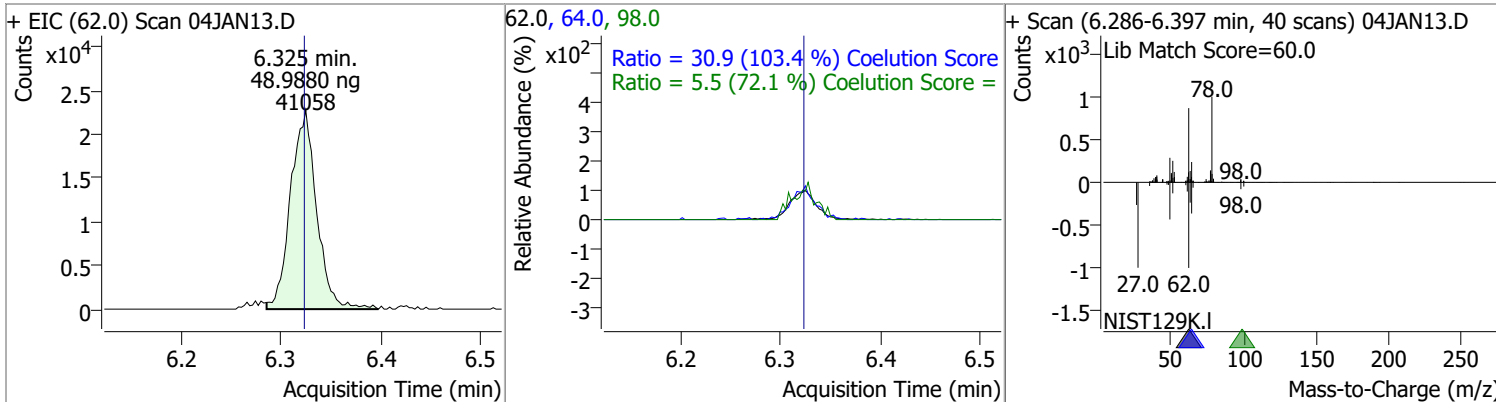
| Compound              | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 48.1252 | 6.23 | 0.00     | 15238 | 65.0 | 202.3  | 166.5 | 226.5 |



| Compound | Conc.   | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|---------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 48.0054 | 6.28 | 0.00     | 148727 | 77.0 | 23.7   | 0.0   | 53.5  |

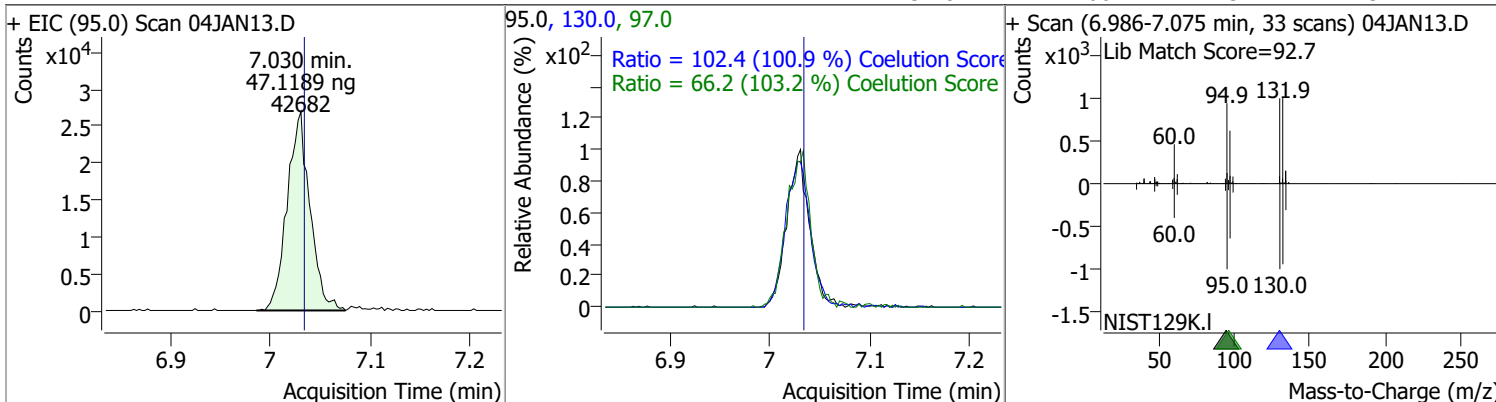


| Compound           | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane | 48.9880 | 6.32 | 0.00     | 41058 | 64.0 | 30.9   | 0.0   | 59.9  |
|                    |         |      |          |       | 98.0 | 5.5    | 0.0   | 37.6  |

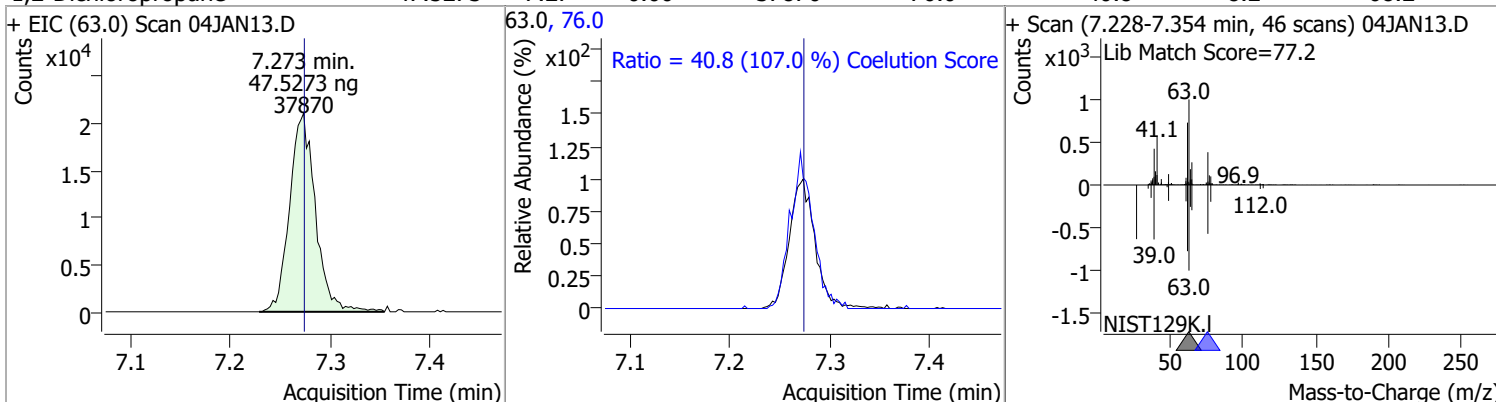


# Quantitation Results Report (QT Reviewed)

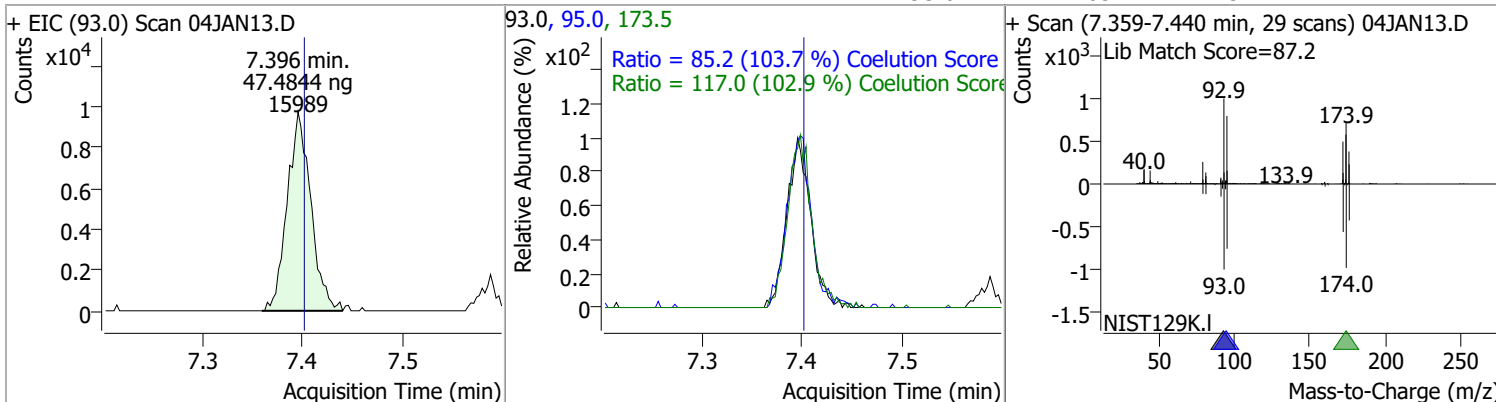
| Compound        | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------------|---------|------|----------|-------|-------|--------|-------|-------|
| Trichloroethene | 47.1189 | 7.03 | 0.00     | 42682 | 130.0 | 102.4  | 71.5  | 131.5 |
|                 |         |      |          |       | 97.0  | 66.2   | 34.1  | 94.1  |



| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloropropane | 47.5273 | 7.27 | 0.00     | 37870 | 76.0 | 40.8   | 8.2   | 68.2  |

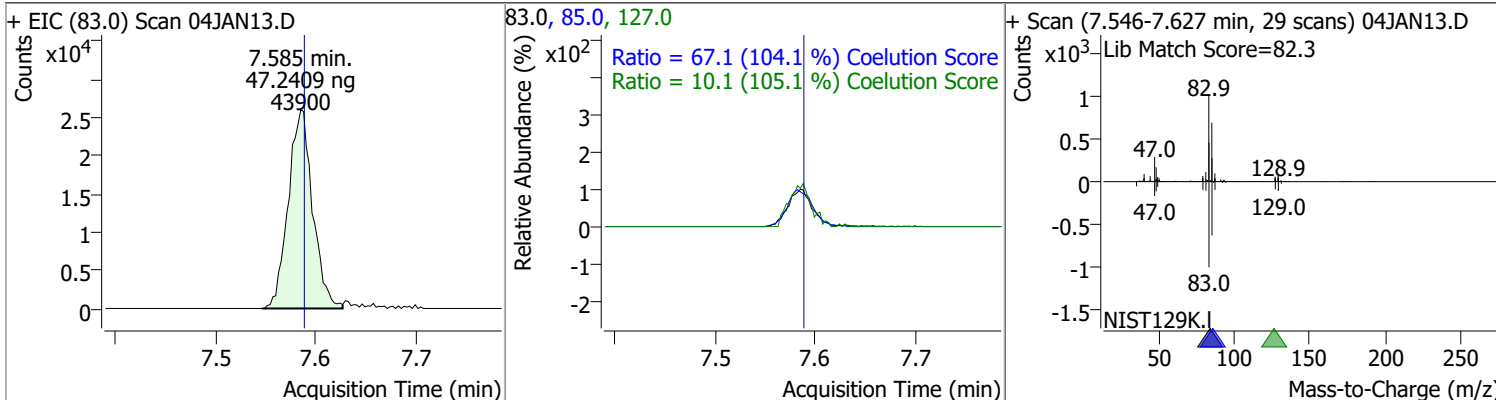


| Compound       | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|---------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 47.4844 | 7.40 | 0.00     | 15989 | 173.5 | 117.0  | 83.7  | 143.7 |
|                |         |      |          |       | 95.0  | 85.2   | 52.2  | 112.2 |

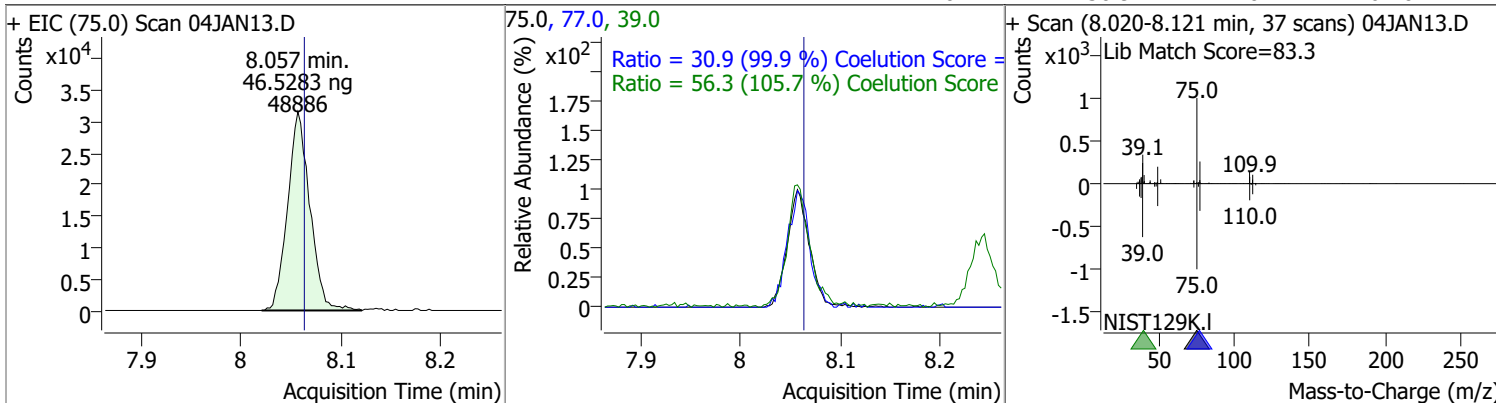


# Quantitation Results Report (QT Reviewed)

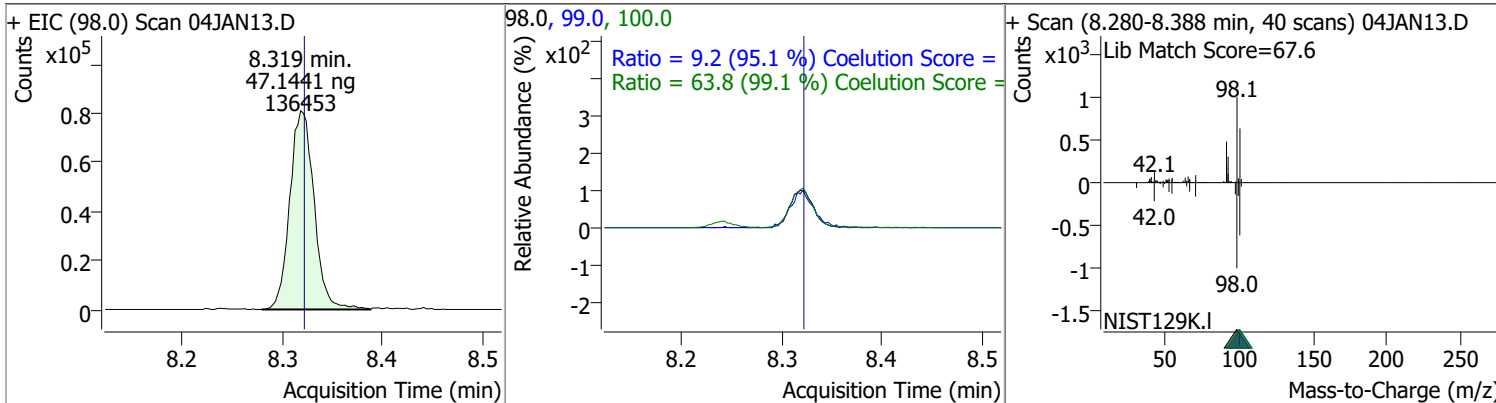
| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Bromodichloromethane | 47.2409 | 7.59 | 0.00     | 43900 | 85.0  | 67.1   | 34.5  | 94.5  |
|                      |         |      |          |       | 127.0 | 10.1   | 0.0   | 39.6  |



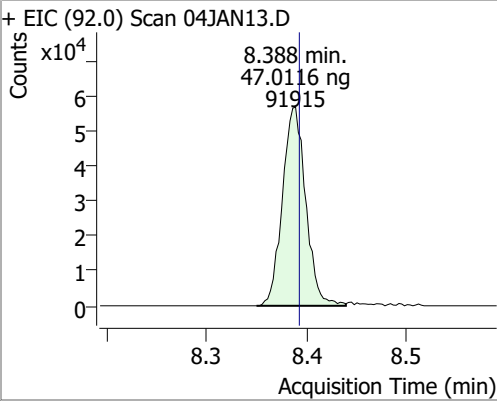
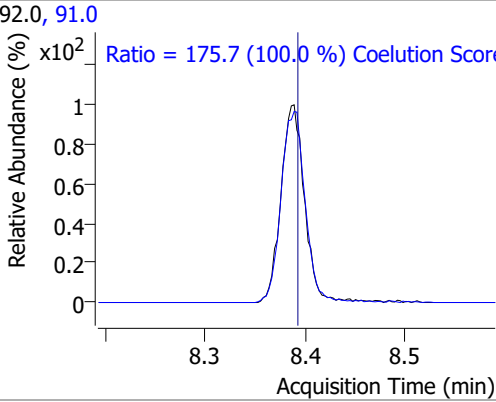
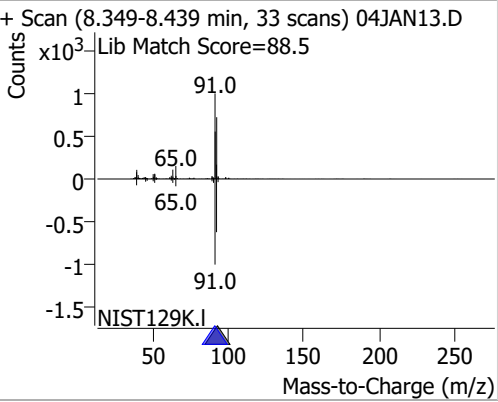
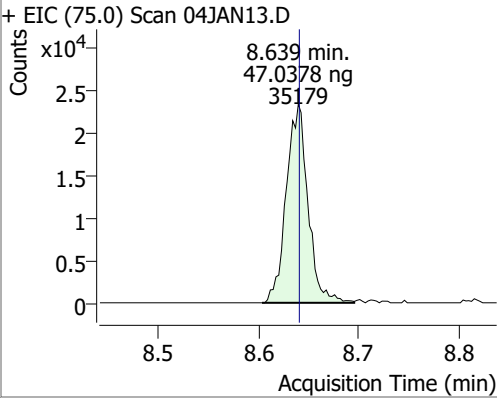
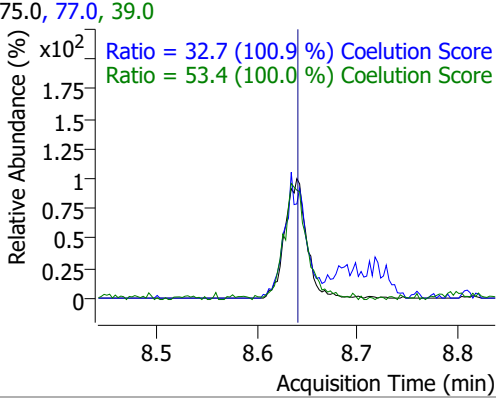
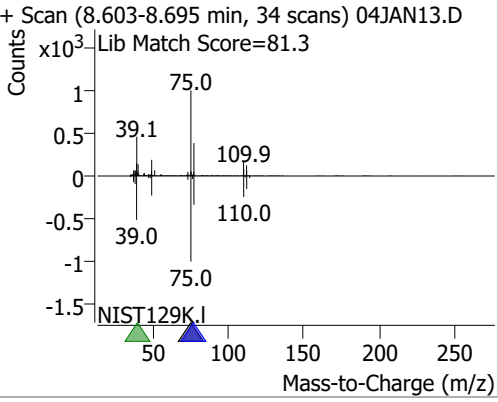
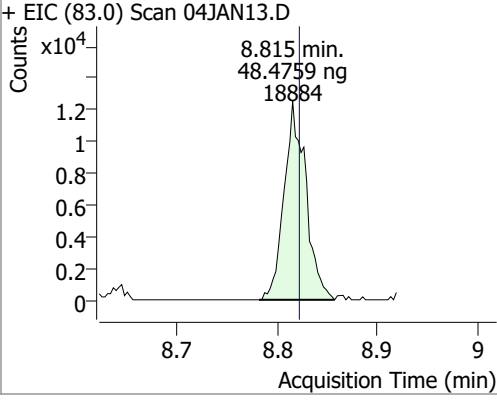
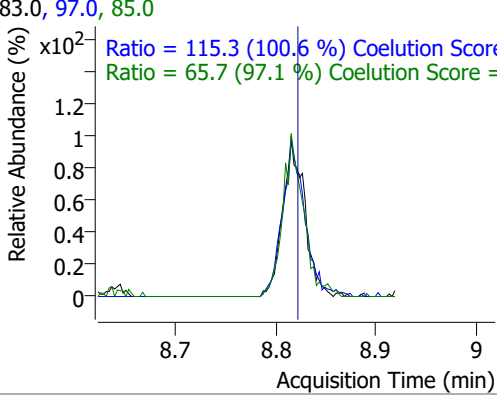
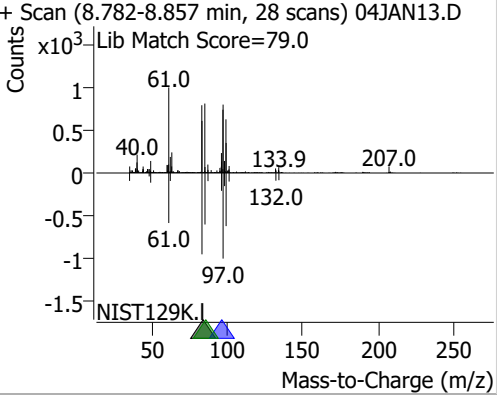
| Compound                | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------------------|---------|------|----------|-------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 46.5283 | 8.06 | 0.00     | 48886 | 39.0 | 56.3   | 23.3  | 83.3  |
|                         |         |      |          |       | 77.0 | 30.9   | 1.0   | 61.0  |



| Compound   | Conc.   | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|---------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 47.1441 | 8.32 | 0.00     | 136453 | 100.0 | 63.8   | 34.4  | 94.4  |
|            |         |      |          |        | 99.0  | 9.2    | 0.0   | 39.6  |

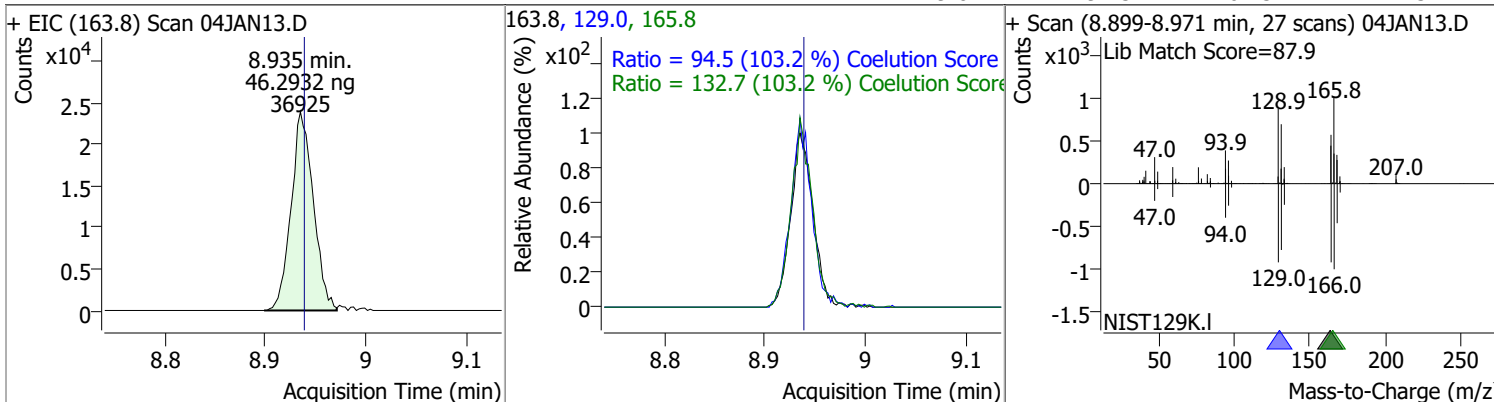


# Quantitation Results Report (QT Reviewed)

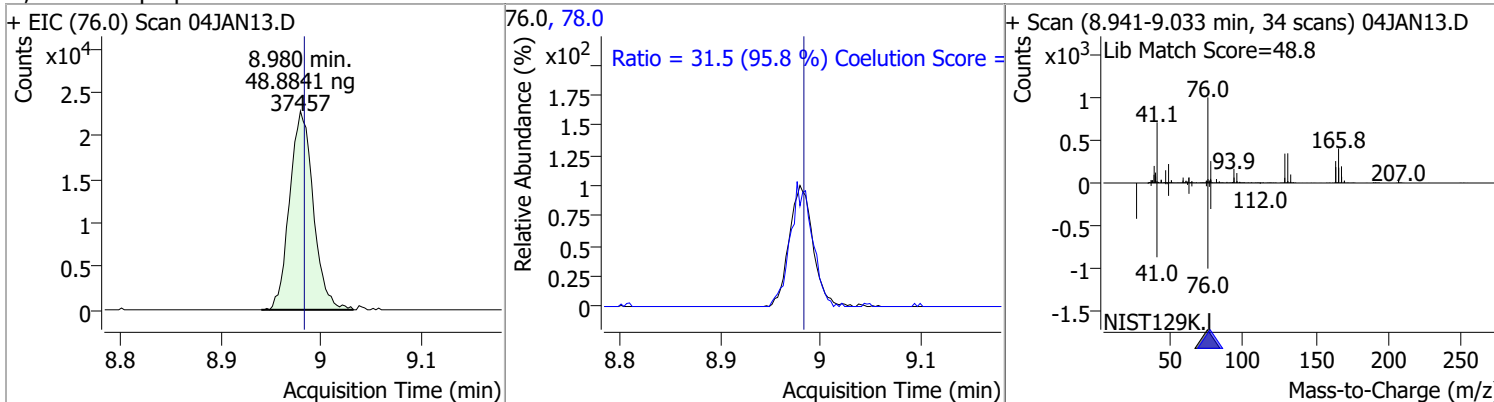
| Compound   | Conc.  | RT   | Dev(Min)  | Resp. | QIon | QRatio                                       | Lower | Upper |
|--|--|------|---|-------|------|--|-------|-------|
| Toluene  | 47.0116  | 8.39 | 0.00  | 91915 | 91.0 | 175.7  | 145.8 | 205.8 |
| + EIC (92.0) Scan 04JAN13.D  |  |      | 92.0, 91.0  |       |      | + Scan (8.349-8.439 min, 33 scans) 04JAN13.D |       |       |
|    |    |      |    |       |      |  |       |       |
| trans-1,3-Dichloropropene  | 47.0378  | 8.64 | 0.00  | 35179 | 39.0 | 53.4   | 23.4  | 83.4  |
| + EIC (75.0) Scan 04JAN13.D  |  |      | 75.0, 77.0, 39.0  |       |      | + Scan (8.603-8.695 min, 34 scans) 04JAN13.D |       |       |
|   |   |      |   |       |      |  |       |       |
| 1,1,2-Trichloroethane  | 48.4759  | 8.82 | 0.00  | 18884 | 97.0 | 115.3  | 84.6  | 144.6 |
| + EIC (83.0) Scan 04JAN13.D  |  |      | 83.0, 97.0, 85.0  |       |      | + Scan (8.782-8.857 min, 28 scans) 04JAN13.D |       |       |
|  |  |      |  |       |      |  |       |       |

# Quantitation Results Report (QT Reviewed)

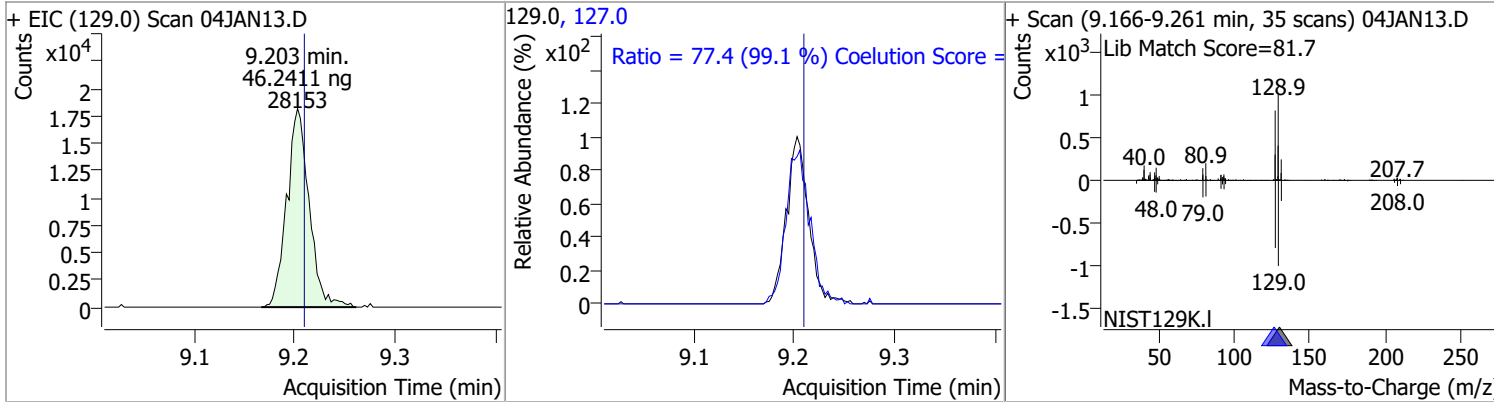
| Compound          | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Tetrachloroethene | 46.2932 | 8.94 | 0.00     | 36925 | 165.8 | 132.7  | 98.6  | 158.6 |
|                   |         |      |          |       | 129.0 | 94.5   | 61.5  | 121.5 |



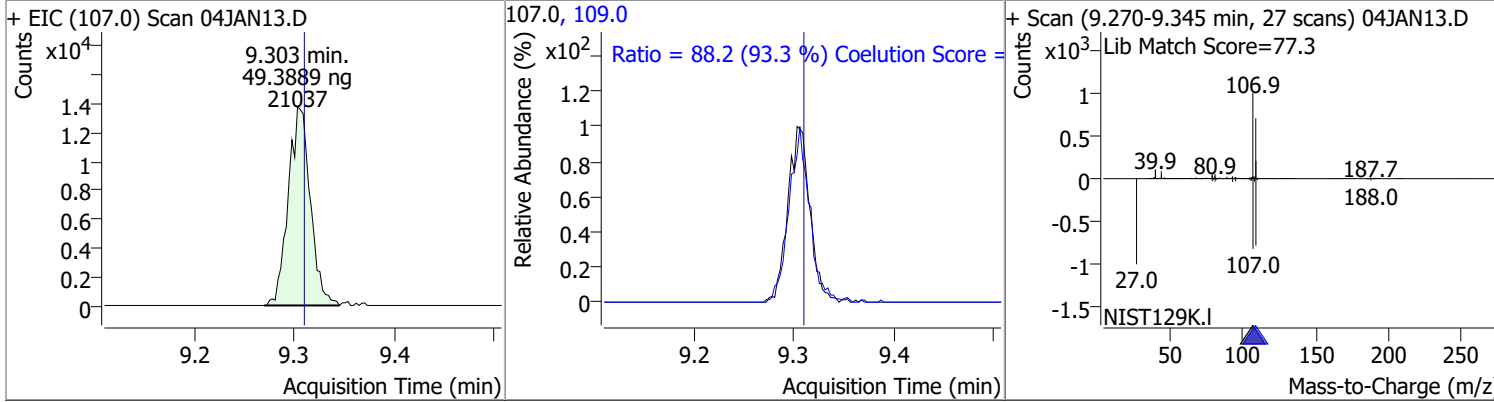
| Compound            | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|---------|------|----------|-------|------|--------|-------|-------|
| 1,3-Dichloropropane | 48.8841 | 8.98 | 0.00     | 37457 | 78.0 | 31.5   | 2.9   | 62.9  |



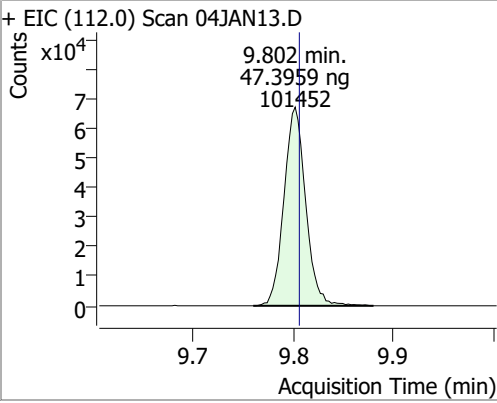
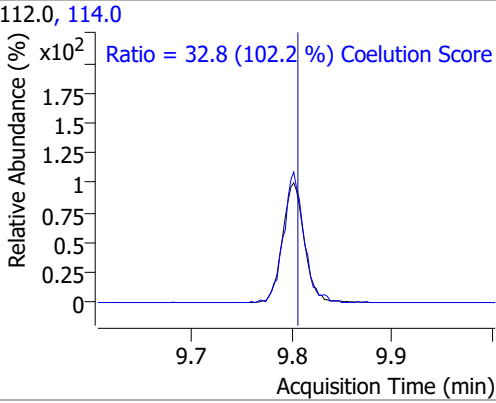
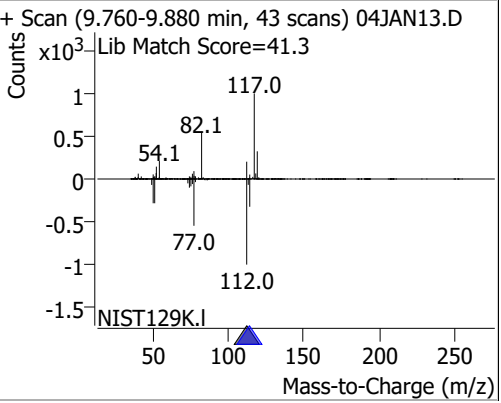
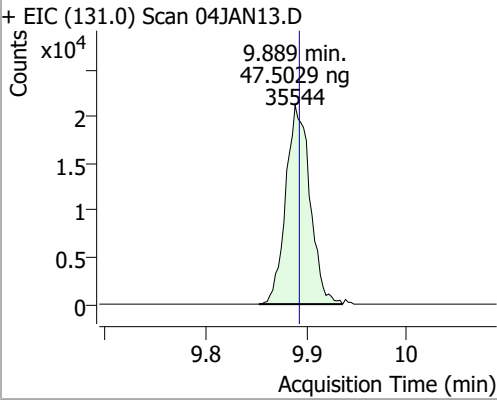
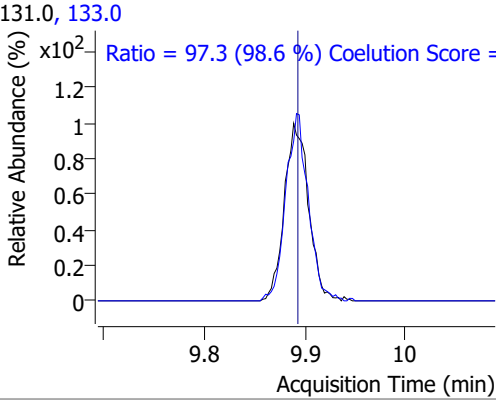
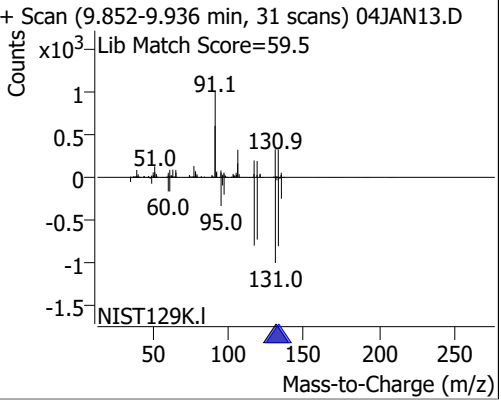
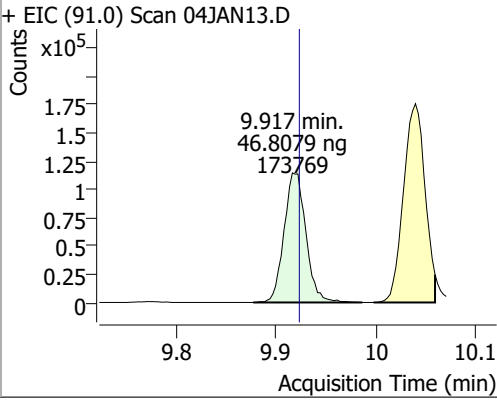
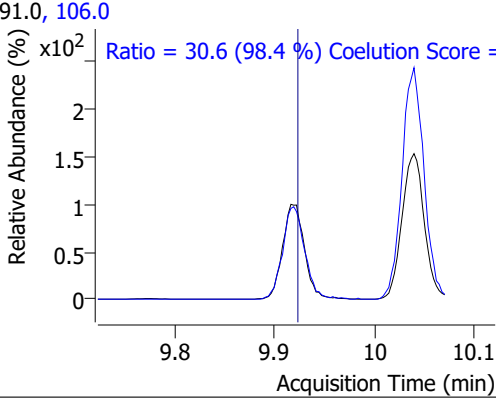
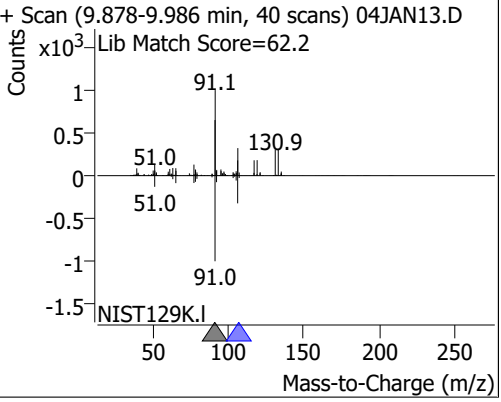
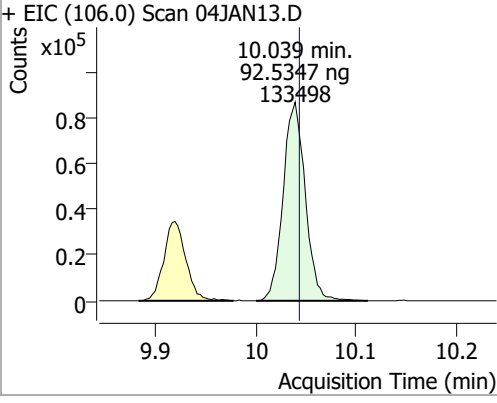
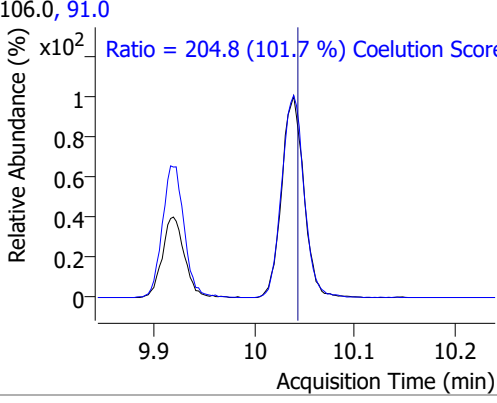
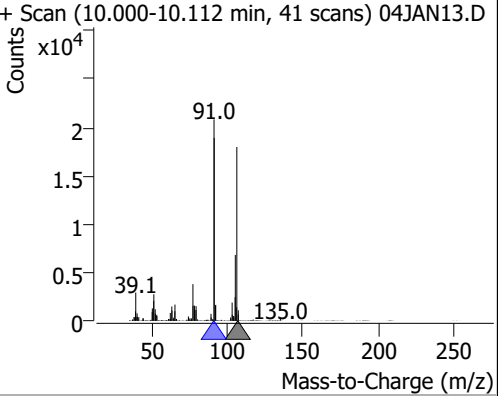
| Compound             | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 46.2411 | 9.20 | 0.00     | 28153 | 127.0 | 77.4   | 48.0  | 108.0 |



| Compound          | Conc.   | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|---------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 49.3889 | 9.30 | 0.00     | 21037 | 109.0 | 88.2   | 64.5  | 124.5 |

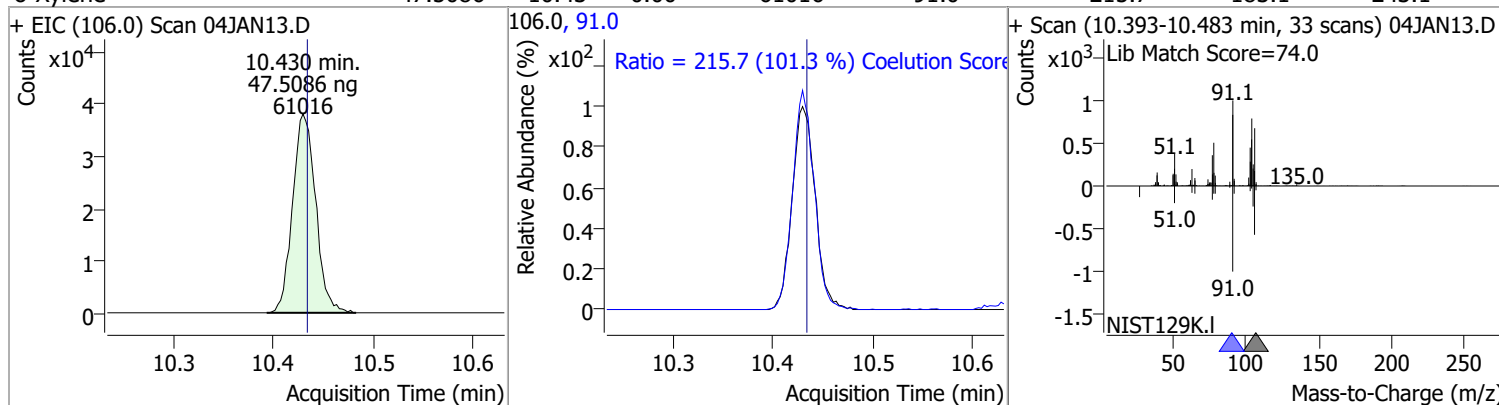


# Quantitation Results Report (QT Reviewed)

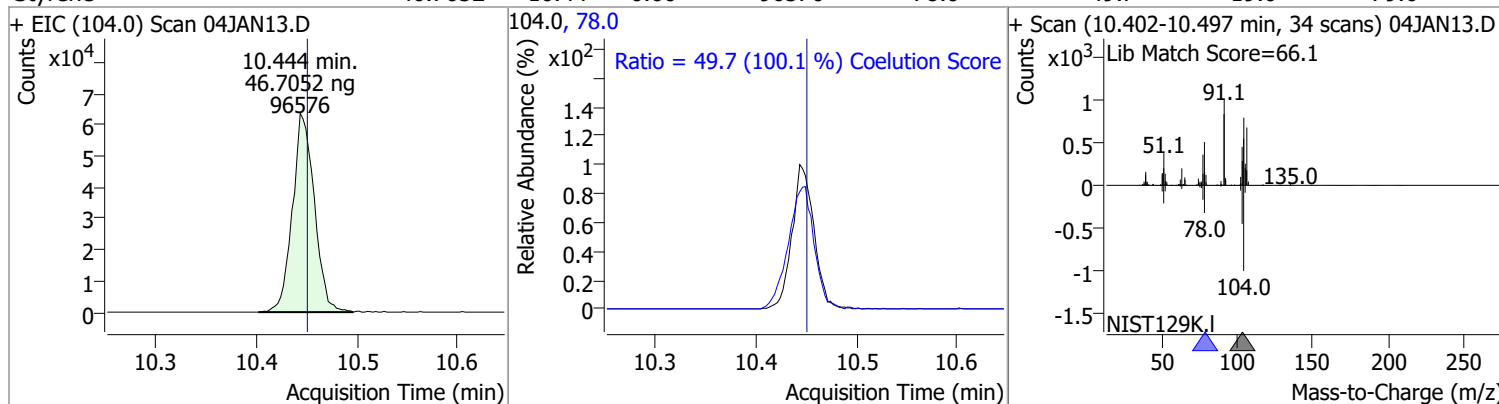
| Compound   | Conc.  | RT    | Dev(Min)  | Resp.  | QIon  | QRatio   | Lower | Upper |
|--|--|-------|---|--------|-------|--|-------|-------|
| Chlorobenzene  | 47.3959  | 9.80  | 0.00  | 101452 | 114.0 | 32.8   | 2.1   | 62.1  |
| + EIC (112.0) Scan 04JAN13.D   |  |       | 112.0, 114.0  |        |       | + Scan (9.760-9.880 min, 43 scans) 04JAN13.D   |       |       |
|    |    |       |    |        |       |  |       |       |
| 1,1,1,2-Tetrachloroethane  | 47.5029  | 9.89  | 0.00  | 35544  | 133.0 | 97.3   | 68.6  | 128.6 |
| + EIC (131.0) Scan 04JAN13.D   |  |       | 131.0, 133.0  |        |       | + Scan (9.852-9.936 min, 31 scans) 04JAN13.D   |       |       |
|   |   |       |   |        |       |  |       |       |
| Ethylbenzene   | 46.8079  | 9.92  | 0.00  | 173769 | 106.0 | 30.6   | 1.1   | 61.1  |
| + EIC (91.0) Scan 04JAN13.D  |  |       | 91.0, 106.0   |        |       | + Scan (9.878-9.986 min, 40 scans) 04JAN13.D   |       |       |
|  |  |       |  |        |       |  |       |       |
| m+p-Xylenes  | 92.5347  | 10.04 | 0.00  | 133498 | 91.0  | 204.8  | 171.4 | 231.4 |
| + EIC (106.0) Scan 04JAN13.D   |  |       | 106.0, 91.0   |        |       | + Scan (10.000-10.112 min, 41 scans) 04JAN13.D |       |       |
|  |  |       |  |        |       |  |       |       |

# Quantitation Results Report (QT Reviewed)

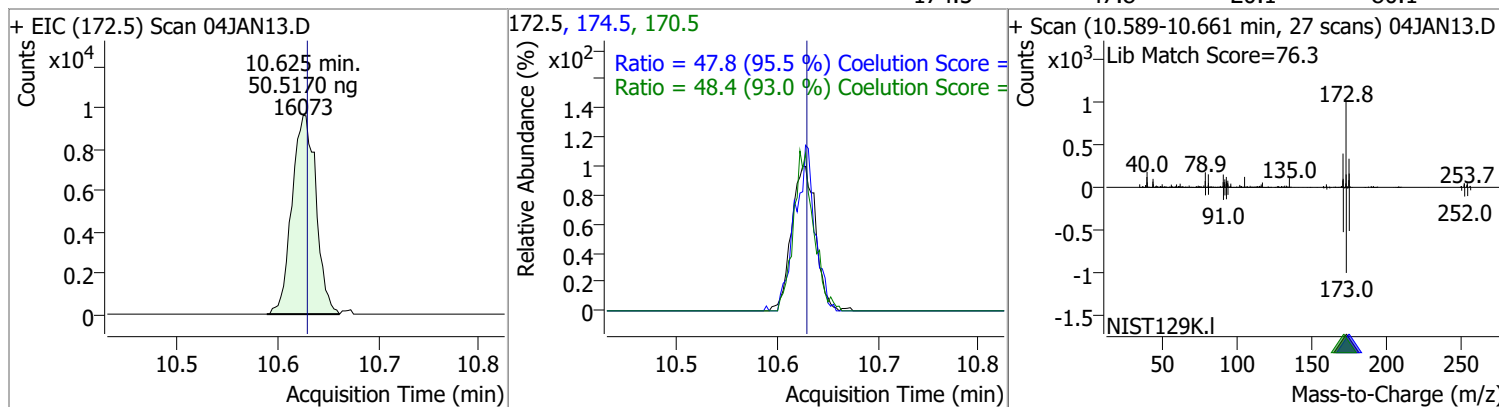
| Compound | Conc.   | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|-------|------|--------|-------|-------|
| o-Xylene | 47.5086 | 10.43 | 0.00     | 61016 | 91.0 | 215.7  | 183.1 | 243.1 |



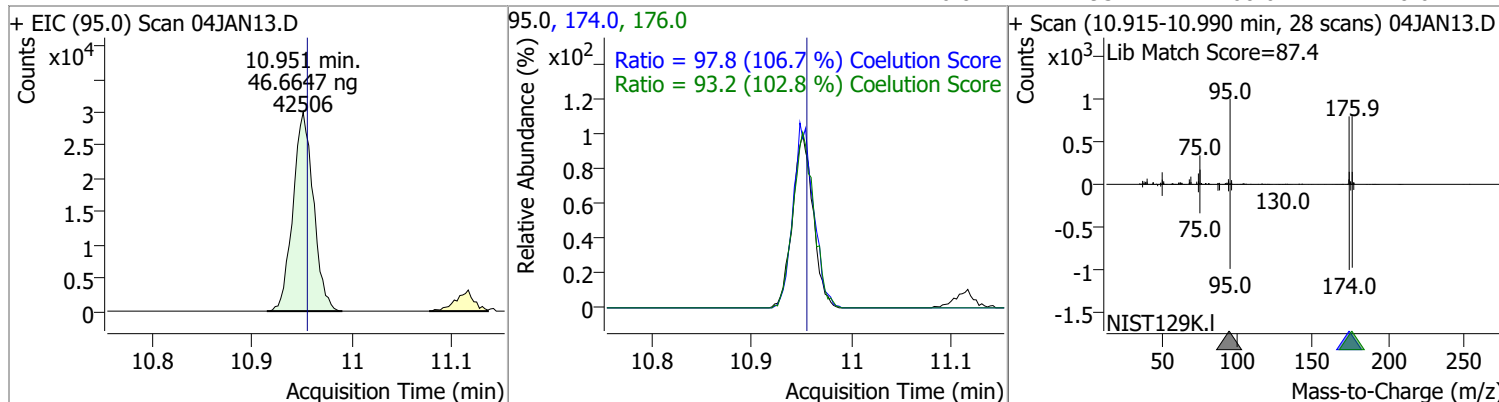
| Compound | Conc.   | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|---------|-------|----------|-------|------|--------|-------|-------|
| Styrene  | 46.7052 | 10.44 | 0.00     | 96576 | 78.0 | 49.7   | 19.6  | 79.6  |



| Compound  | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|---------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 50.5170 | 10.62 | 0.00     | 16073 | 170.5 | 48.4   | 22.1  | 82.1  |
|           |         |       |          |       | 174.5 | 47.8   | 20.1  | 80.1  |

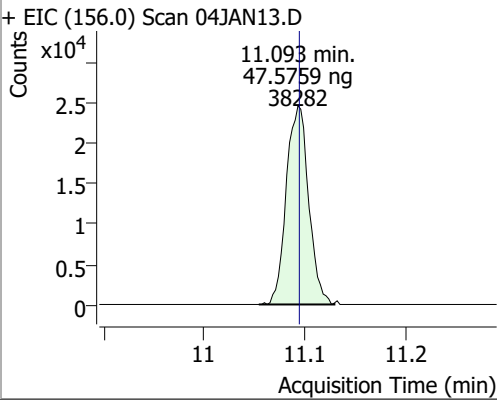
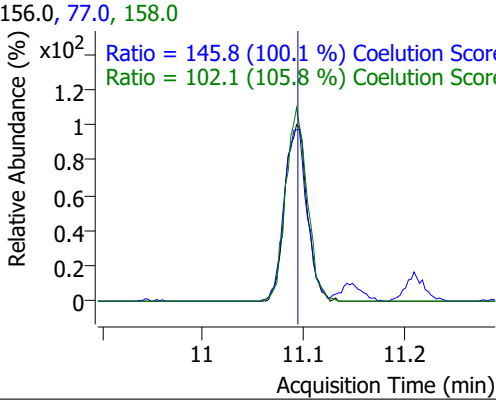
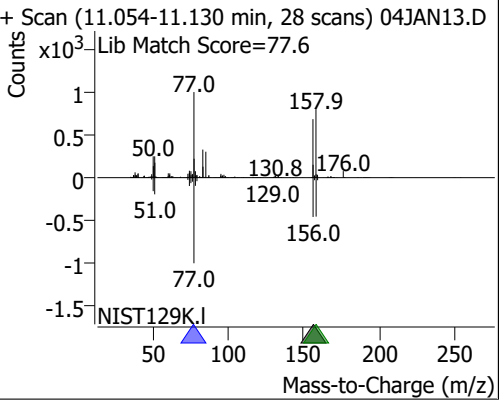
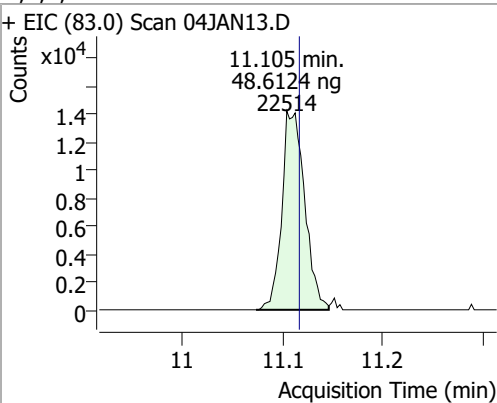
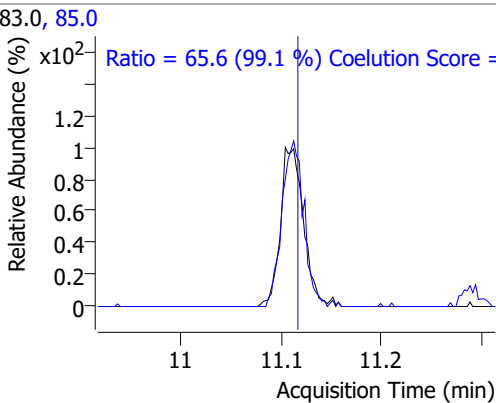
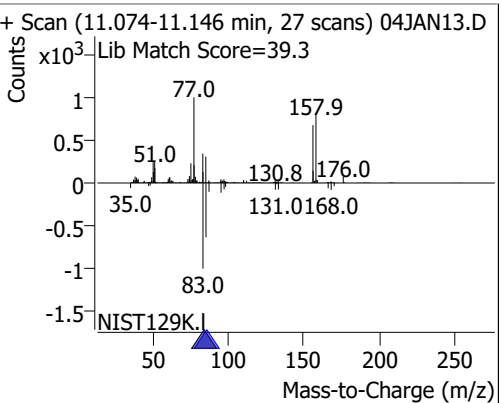
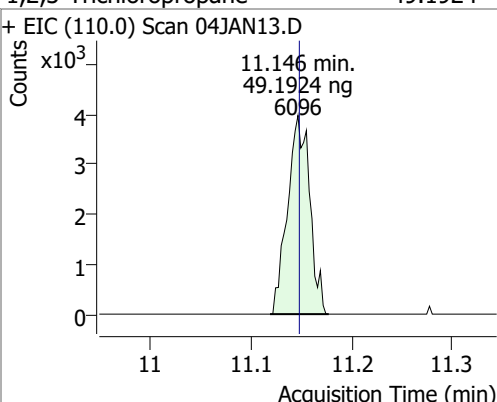
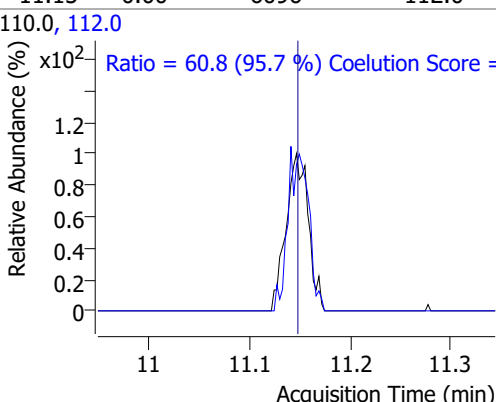
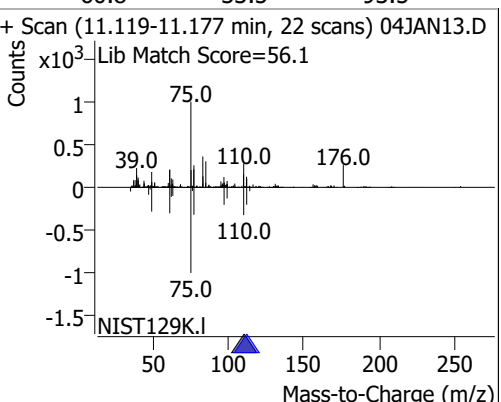
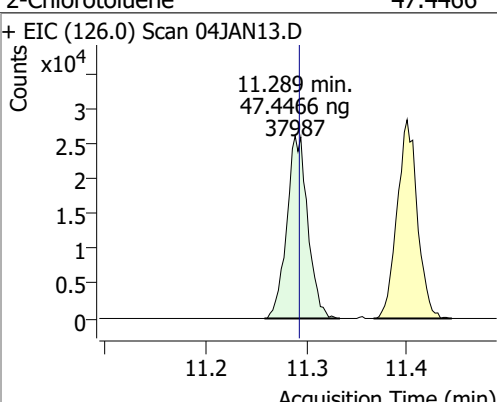
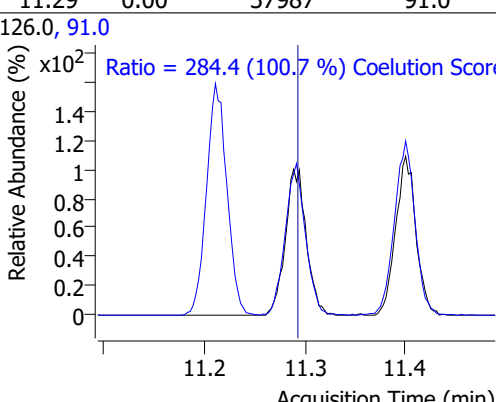
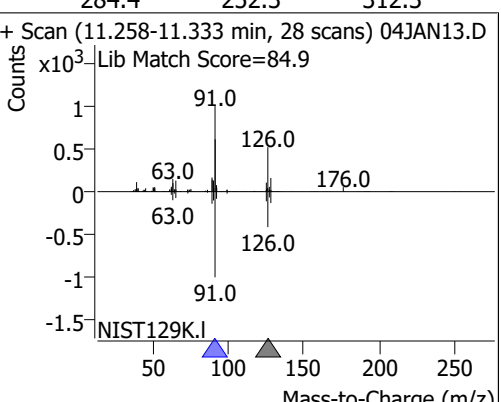


| Compound             | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|---------|-------|----------|-------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 46.6647 | 10.95 | 0.00     | 42506 | 174.0 | 97.8   | 61.7  | 121.7 |
|                      |         |       |          |       | 176.0 | 93.2   | 60.6  | 120.6 |





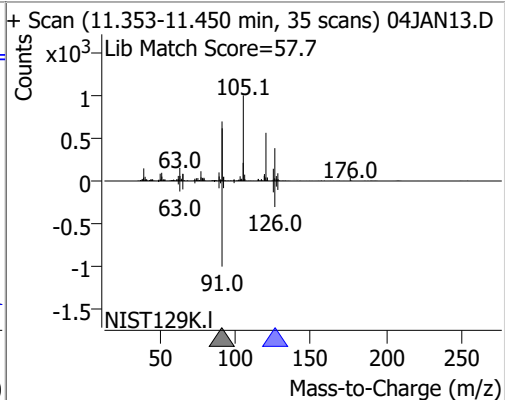
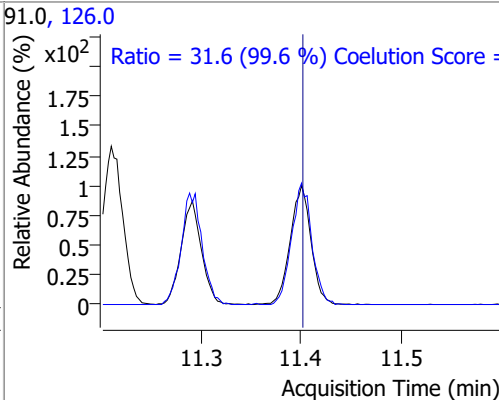
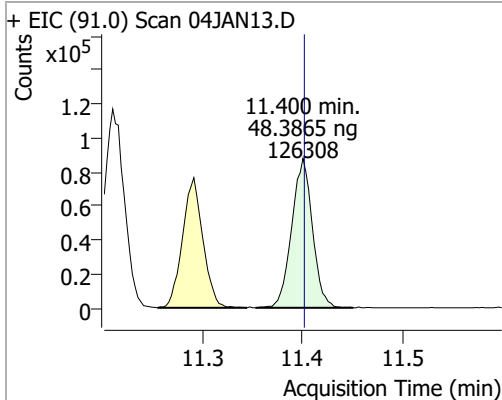
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc.   | RT    | Dev(Min)   | Resp. | QIon          | QRatio  | Lower         | Upper          |
|--|---------|-------|--|-------|---------------|---|---------------|----------------|
| Bromobenzene   | 47.5759 | 11.09 | 0.00   | 38282 | 77.0<br>158.0 | 145.8<br>102.1  | 115.7<br>66.5 | 175.7<br>126.5 |
| + EIC (156.0) Scan 04JAN13.D   |         |       | 156.0, 77.0, 158.0   |       |               | + Scan (11.054-11.130 min, 28 scans) 04JAN13.D  |               |                |
|    |         |       |      |       |               |    |               |                |
|  |         |       | Ratio = 145.8 (100.1 %) Coelution Score =<br>Ratio = 102.1 (105.8 %) Coelution Score = |       |               |   |               |                |
| 1,1,2,2-Tetrachloroethane  | 48.6124 | 11.10 | -0.01  | 22514 | 85.0          | 65.6  | 36.2          | 96.2           |
| + EIC (83.0) Scan 04JAN13.D  |         |       | 83.0, 85.0   |       |               | + Scan (11.074-11.146 min, 27 scans) 04JAN13.D  |               |                |
|   |         |       |     |       |               |   |               |                |
|  |         |       | Ratio = 65.6 (99.1 %) Coelution Score =  |       |               |   |               |                |
| 1,2,3-Trichloropropane   | 49.1924 | 11.15 | 0.00   | 6096  | 112.0         | 60.8  | 33.5          | 93.5           |
| + EIC (110.0) Scan 04JAN13.D   |         |       | 110.0, 112.0   |       |               | + Scan (11.119-11.177 min, 22 scans) 04JAN13.D  |               |                |
|  |         |       |    |       |               |  |               |                |
|  |         |       | Ratio = 60.8 (95.7 %) Coelution Score =  |       |               |   |               |                |
| 2-Chlorotoluene  | 47.4466 | 11.29 | 0.00   | 37987 | 91.0          | 284.4   | 252.3         | 312.3          |
| + EIC (126.0) Scan 04JAN13.D   |         |       | 126.0, 91.0  |       |               | + Scan (11.258-11.333 min, 28 scans) 04JAN13.D  |               |                |
|  |         |       |    |       |               |  |               |                |
|  |         |       | Ratio = 284.4 (100.7 %) Coelution Score =  |       |               |   |               |                |

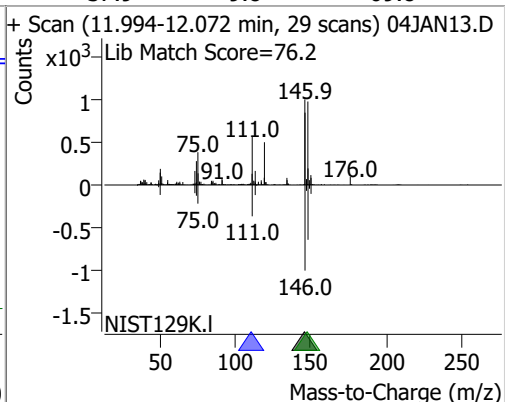
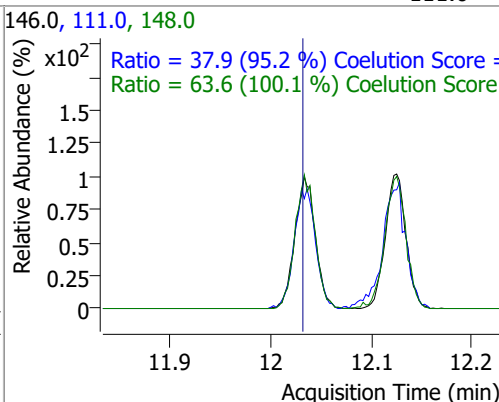
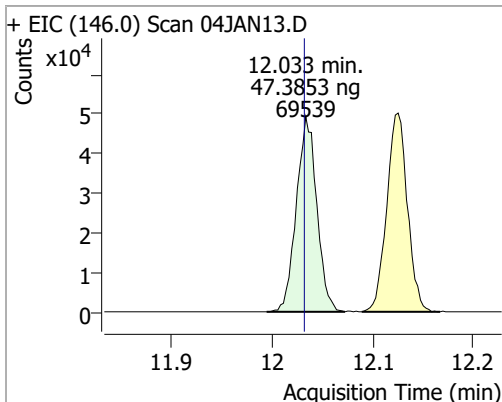


# Quantitation Results Report (QT Reviewed)

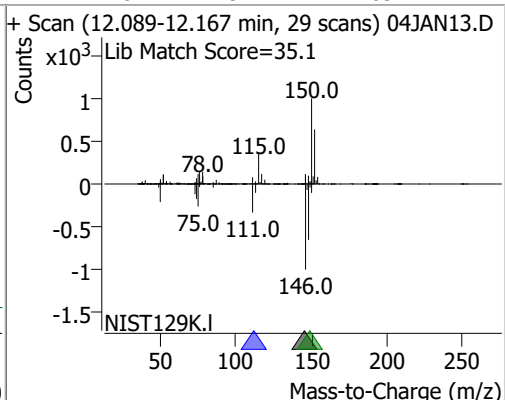
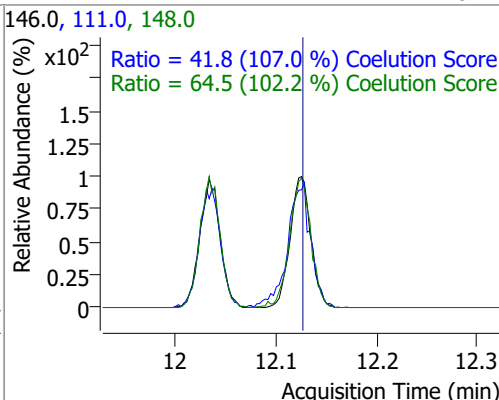
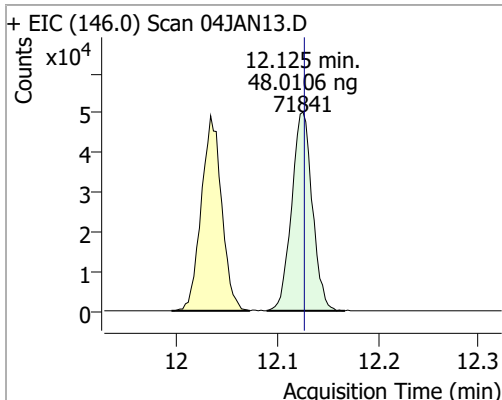
| Compound        | Conc.   | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|---------|-------|----------|--------|-------|--------|-------|-------|
| 4-Chlorotoluene | 48.3865 | 11.40 | 0.00     | 126308 | 126.0 | 31.6   | 1.7   | 61.7  |



|                     |         |       |      |       |       |      |      |      |
|---------------------|---------|-------|------|-------|-------|------|------|------|
| 1,3-Dichlorobenzene | 47.3853 | 12.03 | 0.00 | 69539 | 148.0 | 63.6 | 33.6 | 93.6 |
|                     |         |       |      |       | 111.0 | 37.9 | 9.8  | 69.8 |

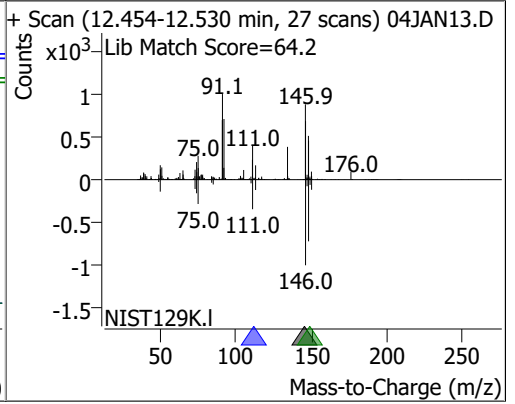
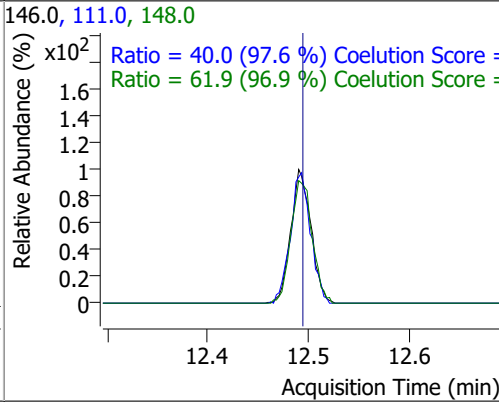
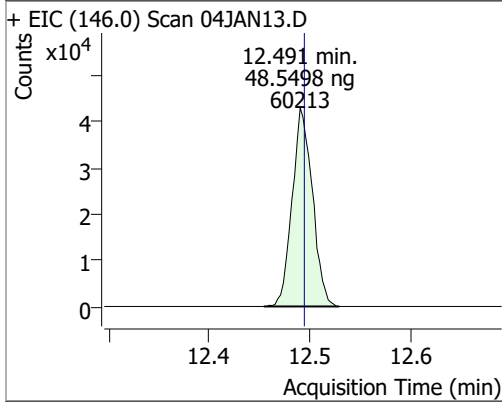


|                     |         |       |      |       |       |      |      |      |
|---------------------|---------|-------|------|-------|-------|------|------|------|
| 1,4-Dichlorobenzene | 48.0106 | 12.13 | 0.00 | 71841 | 148.0 | 64.5 | 33.1 | 93.1 |
|                     |         |       |      |       | 111.0 | 41.8 | 9.1  | 69.1 |



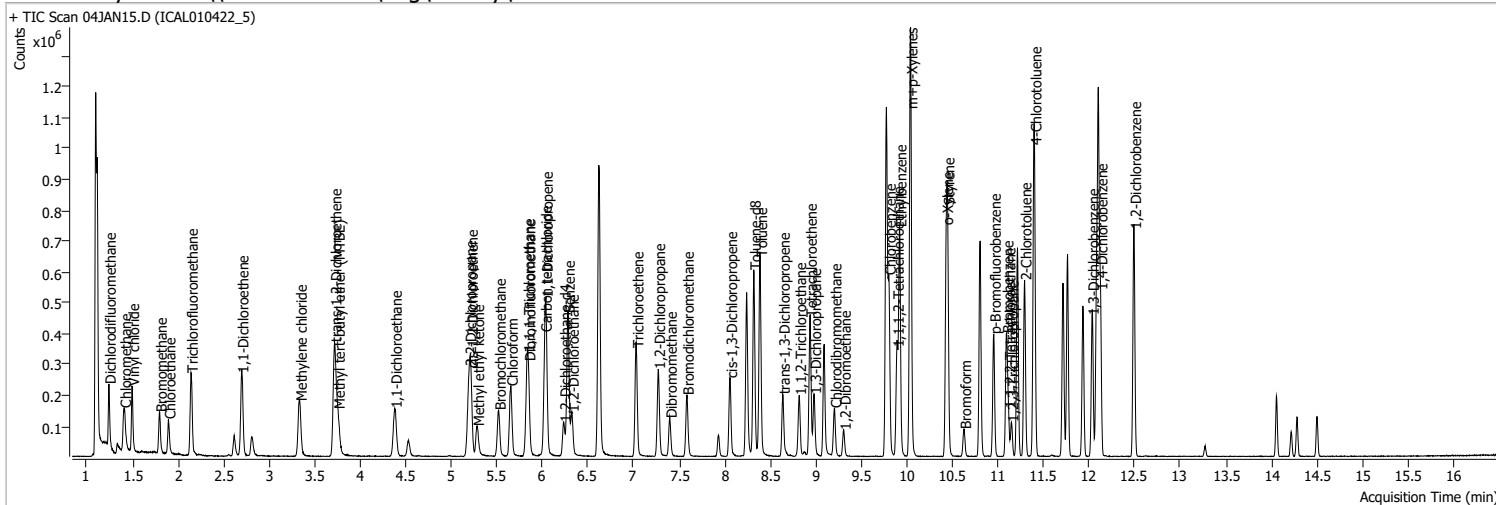
# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------|---------|-------|----------|-------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 48.5498 | 12.49 | 0.00     | 60213 | 148.0 | 61.9   | 33.9  | 93.9  |
|                     |         |       |          |       | 111.0 | 40.0   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN15.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 5:50:25 PM   |
| Sample Name    | ICAL010422_5                        | Instrument        | VOA5975C              |
| Vial           | 15                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|----------|----|------|-------|-------|-------|----------|
|----------|----|------|-------|-------|-------|----------|

**Internal Standards**

|                          |        |       |        |          |    |       |
|--------------------------|--------|-------|--------|----------|----|-------|
| M Fluorobenzene          | 6.623  | 96.0  | 823488 | 250.0000 | ng | 0.000 |
| M Chlorobenzene-d5       | 9.772  | 82.0  | 306491 | 250.0000 | ng | 0.000 |
| M 1,4-Dichlorobenzene-d4 | 12.100 | 152.0 | 264477 | 250.0000 | ng | 0.000 |

**System Monitoring Compounds**

|                         |                      |       |        |                   |    |       |
|-------------------------|----------------------|-------|--------|-------------------|----|-------|
| S Dibromofluoromethane  | 5.845                | 113.0 | 89307  | 115.1146          | ng | 0.000 |
| Spiked Amount: 250.000  | Range: 80.0 - 119.0% |       |        | Recovery = 46.05% |    | *     |
| S 1,2-Dichloroethane-d4 | 6.233                | 67.0  | 39086  | 116.6420          | ng | 0.000 |
| Spiked Amount: 250.000  | Range: 81.0 - 118.0% |       |        | Recovery = 46.66% |    | *     |
| S Toluene-d8            | 8.319                | 98.0  | 358186 | 121.2749          | ng | 0.000 |
| Spiked Amount: 250.000  | Range: 89.0 - 112.0% |       |        | Recovery = 48.51% |    | *     |
| S p-Bromofluorobenzene  | 10.954               | 95.0  | 114269 | 117.9350          | ng | 0.000 |
| Spiked Amount: 250.000  | Range: 85.0 - 114.0% |       |        | Recovery = 47.17% |    | *     |

**Target Compounds**

| Compound                         | RT    | QIon  | Resp.  | Conc.     | Units | QValue |
|----------------------------------|-------|-------|--------|-----------|-------|--------|
| T Dichlorodifluoromethane        | 1.241 | 85.0  | 137933 | 127.8193  | ng    | 100    |
| T Chloromethane                  | 1.409 | 50.0  | 160604 | 122.6179  | ng    | 100    |
| T Vinyl chloride                 | 1.495 | 62.0  | 148358 | 125.8809  | ng    | 100    |
| T Bromomethane                   | 1.799 | 96.0  | 65163  | 123.6504  | ng    | 100    |
| T Chloroethane                   | 1.894 | 64.0  | 71420  | 122.4086  | ng    | 100    |
| T Trichlorofluoromethane         | 2.142 | 101.0 | 188808 | 129.0687  | ng    | 100    |
| T 1,1-Dichloroethene             | 2.697 | 96.0  | 99438  | 119.8798  | ng    | 100    |
| T Methylene chloride             | 3.336 | 49.0  | 135271 | 110.6249  | ng    | 100    |
| T trans-1,2-Dichloroethene       | 3.718 | 96.0  | 100409 | 118.6511  | ng    | 100    |
| T Methyl tert-butyl ether (MTBE) | 3.754 | 73.0  | 139068 | 127.1375  | ng    | 100    |
| T 1,1-Dichloroethane             | 4.378 | 63.0  | 186052 | 118.1125  | ng    | 100    |
| T 2,2-Dichloropropane            | 5.196 | 77.0  | 139656 | 118.3203  | ng    | 100    |
| T cis-1,2-Dichloroethene         | 5.215 | 96.0  | 100057 | 116.6190  | ng    | 100    |
| T Methyl ethyl ketone            | 5.282 | 43.0  | 134730 | 1159.3019 | ng    | 100    |
| T Bromochloromethane             | 5.519 | 128.0 | 41966  | 118.0683  | ng    | 100    |
| T Chloroform                     | 5.653 | 83.0  | 179640 | 114.5912  | ng    | 100    |

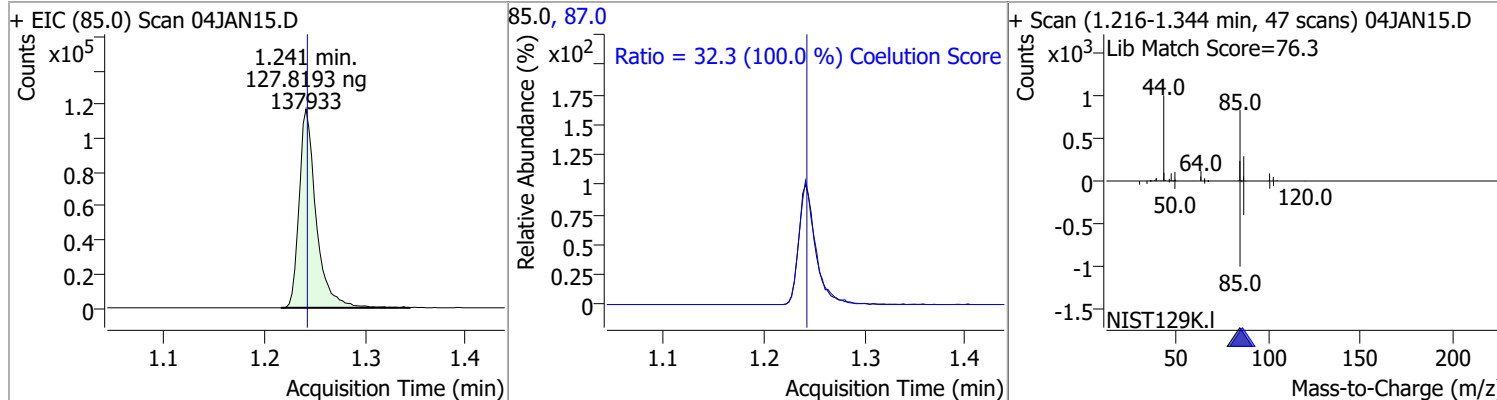
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.  | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|--------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.834  | 97.0  | 174206 | 118.5764 | ng    | 100      |
| T Carbon tetrachloride      | 6.024  | 117.0 | 172928 | 119.4667 | ng    | 100      |
| T 1,1-Dichloropropene       | 6.038  | 75.0  | 149649 | 119.8002 | ng    | 100      |
| T Benzene                   | 6.278  | 78.0  | 383469 | 116.9553 | ng    | 100      |
| T 1,2-Dichloroethane        | 6.322  | 62.0  | 104855 | 118.2143 | ng    | 100      |
| T Trichloroethene           | 7.030  | 95.0  | 114123 | 123.4646 | ng    | 100      |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 99187  | 121.9890 | ng    | 100      |
| T Dibromomethane            | 7.399  | 93.0  | 40628  | 118.2425 | ng    | 100      |
| T Bromodichloromethane      | 7.585  | 83.0  | 115664 | 121.9749 | ng    | 100      |
| T cis-1,3-Dichloropropene   | 8.059  | 75.0  | 129419 | 120.7116 | ng    | 100      |
| T Toluene                   | 8.389  | 92.0  | 244712 | 122.6571 | ng    | 100      |
| T trans-1,3-Dichloropropene | 8.637  | 75.0  | 92719  | 121.4929 | ng    | 100      |
| T 1,1,2-Trichloroethane     | 8.818  | 83.0  | 46673  | 117.4130 | ng    | 100      |
| T Tetrachloroethene         | 8.935  | 163.8 | 97590  | 119.9003 | ng    | 100      |
| T 1,3-Dichloropropane       | 8.980  | 76.0  | 96183  | 123.0132 | ng    | 100      |
| T Chlorodibromomethane      | 9.206  | 129.0 | 75015  | 120.7454 | ng    | 100      |
| T 1,2-Dibromoethane         | 9.306  | 107.0 | 51827  | 119.2394 | ng    | 100      |
| T Chlorobenzene             | 9.802  | 112.0 | 263617 | 120.6903 | ng    | 100      |
| T 1,1,1,2-Tetrachloroethane | 9.889  | 131.0 | 90898  | 119.0492 | ng    | 100      |
| T Ethylbenzene              | 9.920  | 91.0  | 464148 | 122.5243 | ng    | 100      |
| T m+p-Xylenes               | 10.039 | 106.0 | 368418 | 250.2587 | ng    | 100      |
| T o-Xylene                  | 10.430 | 106.0 | 161509 | 123.2378 | ng    | 100      |
| T Styrene                   | 10.447 | 104.0 | 268375 | 127.1910 | ng    | 100      |
| T Bromoform                 | 10.628 | 172.5 | 39165  | 115.7218 | ng    | 100      |
| T Bromobenzene              | 11.094 | 156.0 | 102265 | 119.4801 | ng    | 100      |
| T 1,1,2,2-Tetrachloroethane | 11.116 | 83.0  | 56958  | 115.6179 | ng    | 100      |
| T 1,2,3-Trichloropropane    | 11.147 | 110.0 | 14846  | 112.6261 | ng    | 100      |
| T 2-Chlorotoluene           | 11.292 | 126.0 | 102424 | 120.2675 | ng    | 100      |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 336146 | 121.0591 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.031 | 146.0 | 183404 | 117.4899 | ng    | 100      |
| T 1,4-Dichlorobenzene       | 12.125 | 146.0 | 189045 | 118.7699 | ng    | 100      |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 152284 | 115.4323 | ng    | 100      |

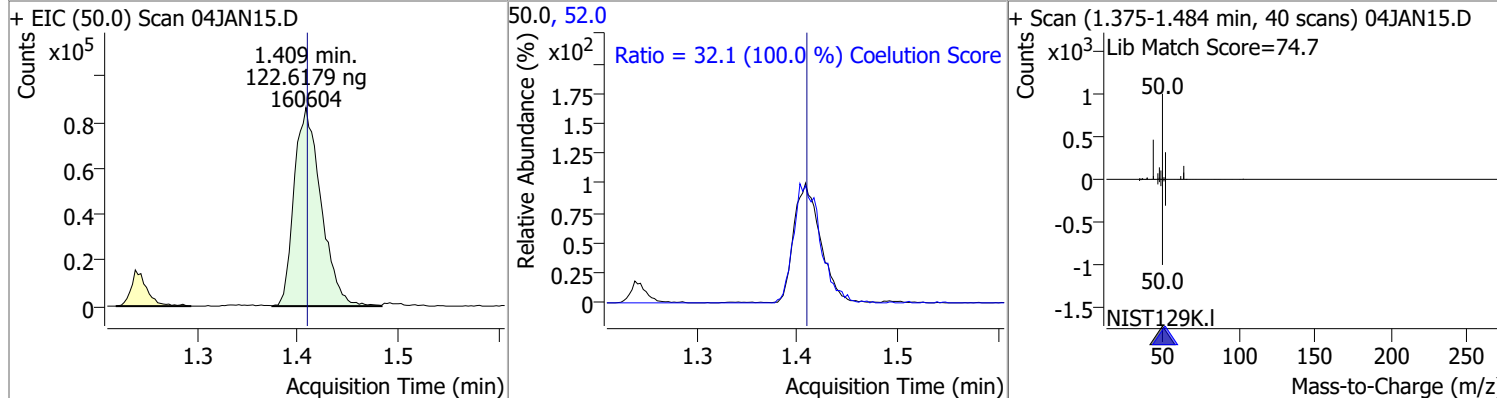
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

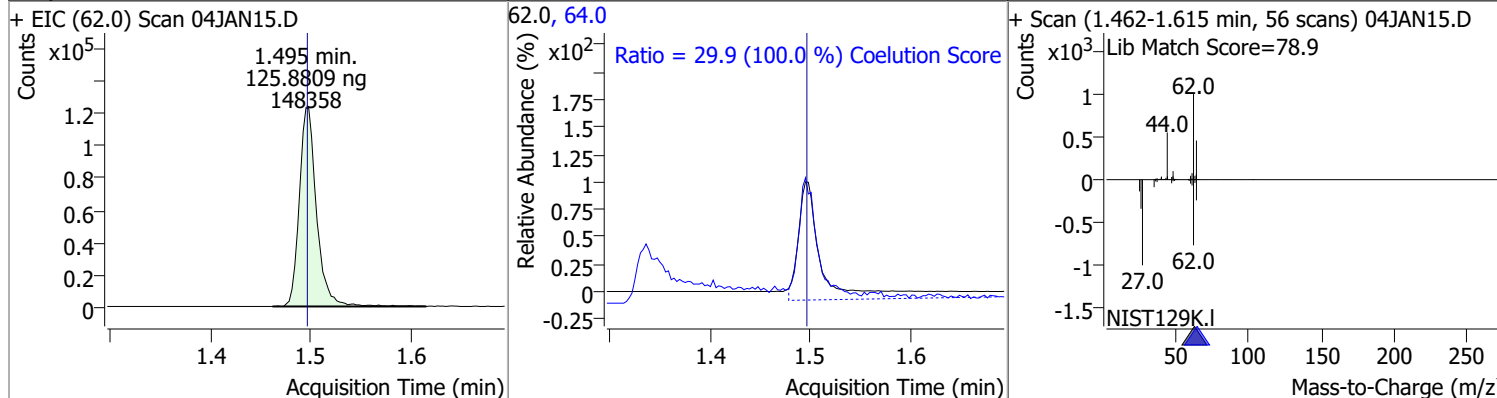
| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Dichlorodifluoromethane | 127.8193 | 1.24 | 0.00     | 137933 | 87.0 | 32.3   | 2.3   | 62.3  |



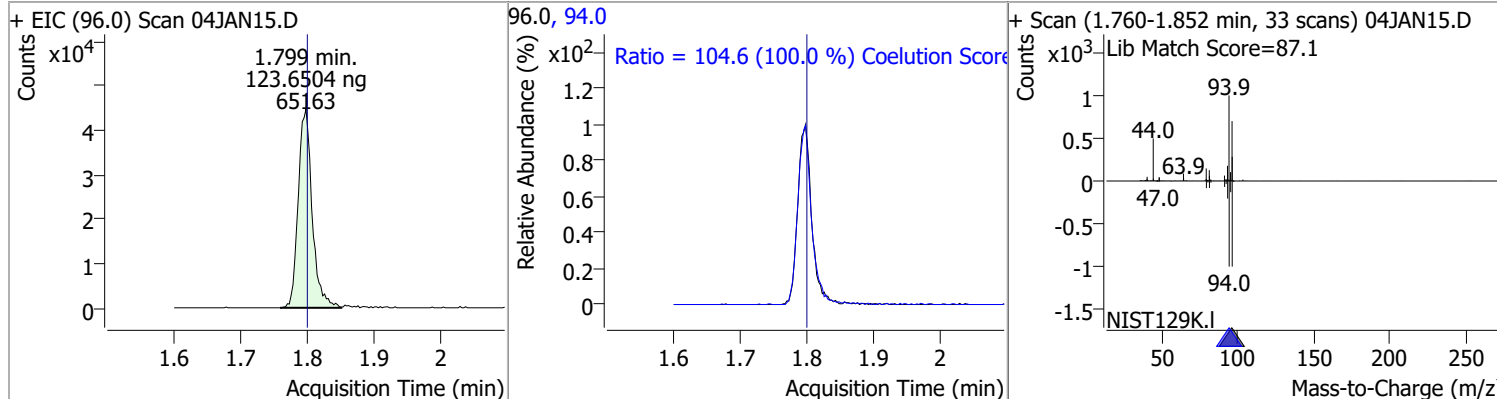
| Compound      | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloromethane | 122.6179 | 1.41 | 0.00     | 160604 | 52.0 | 32.1   | 2.1   | 62.1  |



| Compound       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------------|----------|------|----------|--------|------|--------|-------|-------|
| Vinyl chloride | 125.8809 | 1.50 | 0.00     | 148358 | 64.0 | 29.9   | 0.0   | 59.9  |

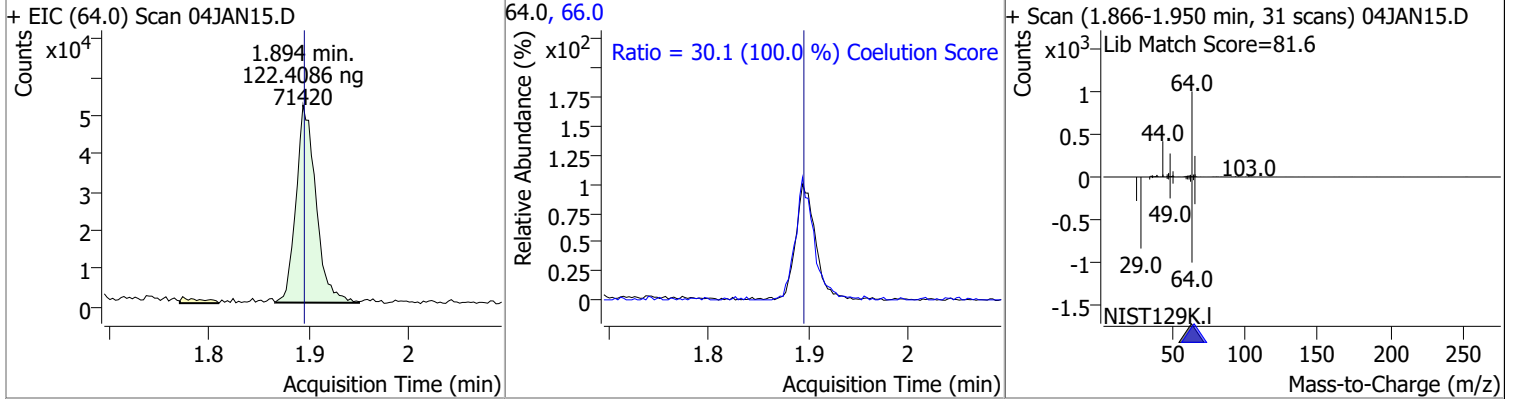


| Compound     | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromomethane | 123.6504 | 1.80 | 0.00     | 65163 | 94.0 | 104.6  | 74.6  | 134.6 |

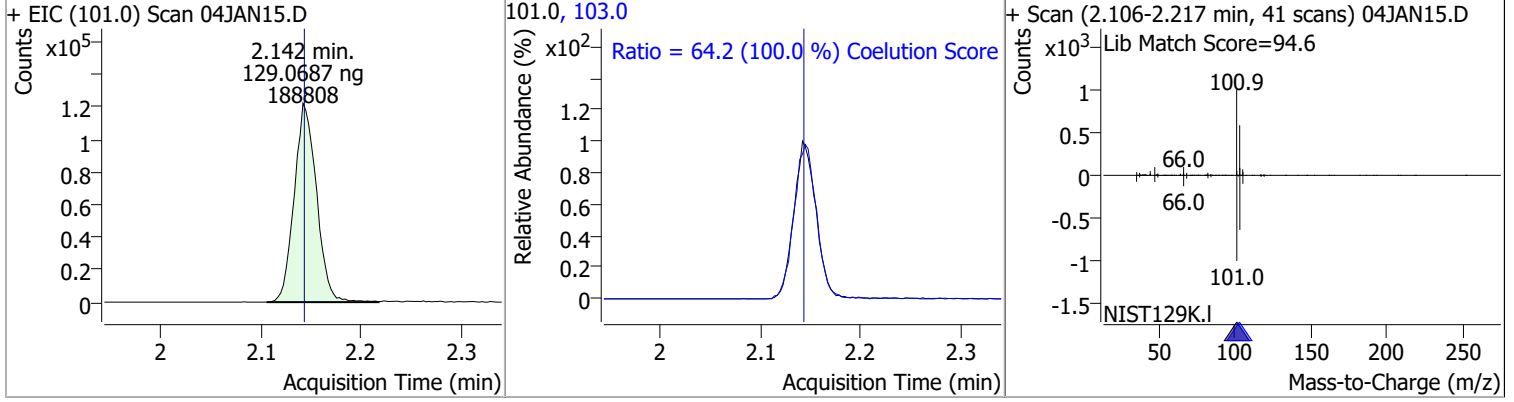


# Quantitation Results Report (QT Reviewed)

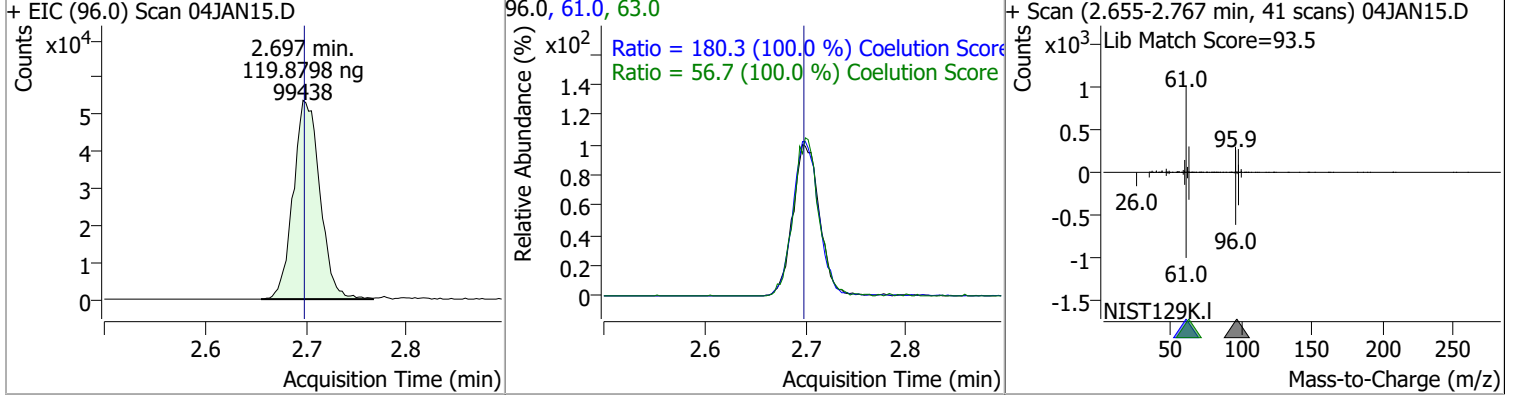
| Compound     | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|-------|------|--------|-------|-------|
| Chloroethane | 122.4086 | 1.89 | 0.00     | 71420 | 66.0 | 30.1   | 0.1   | 60.1  |



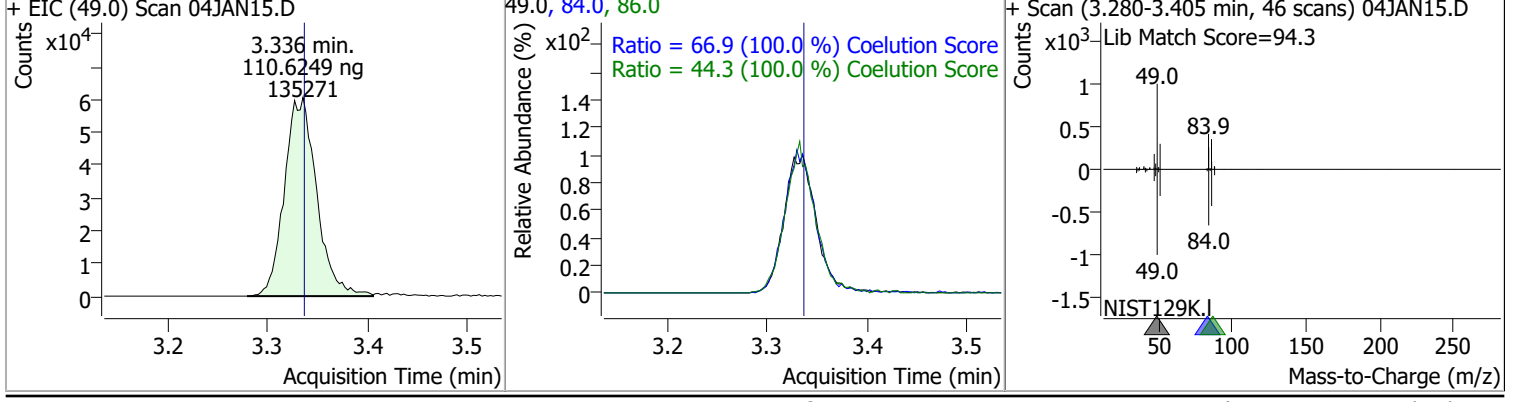
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichlorofluoromethane | 129.0687 | 2.14 | 0.00     | 188808 | 103.0 | 64.2   | 34.2  | 94.2  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1-Dichloroethene | 119.8798 | 2.70 | 0.00     | 99438 | 61.0 | 180.3  | 150.3 | 210.3 |
|                    |          |      |          |       | 63.0 | 56.7   | 26.7  | 86.7  |

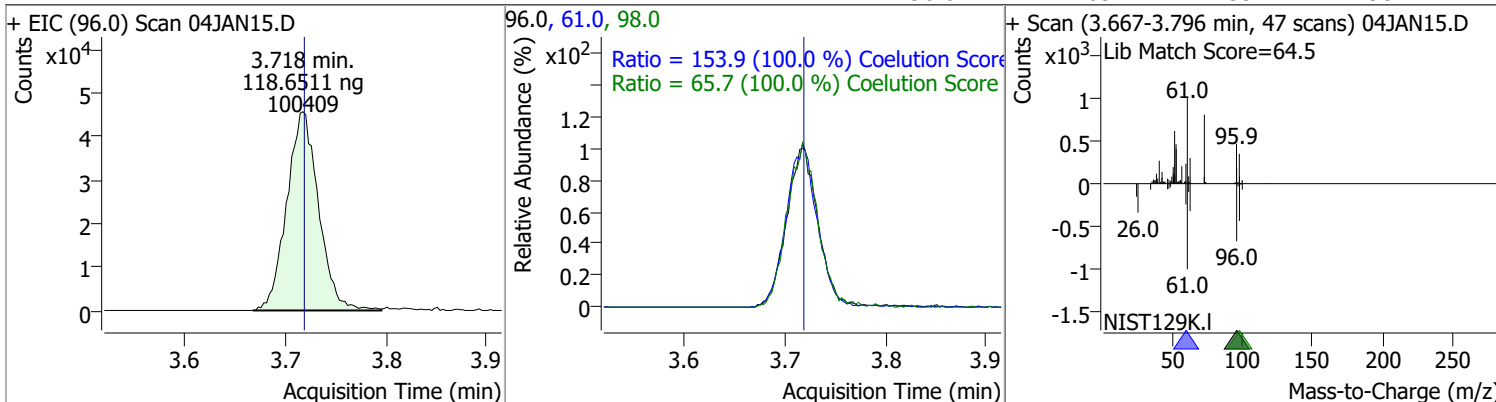


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methylene chloride | 110.6249 | 3.34 | 0.00     | 135271 | 84.0 | 66.9   | 36.9  | 96.9  |
|                    |          |      |          |        | 86.0 | 44.3   | 14.3  | 74.3  |

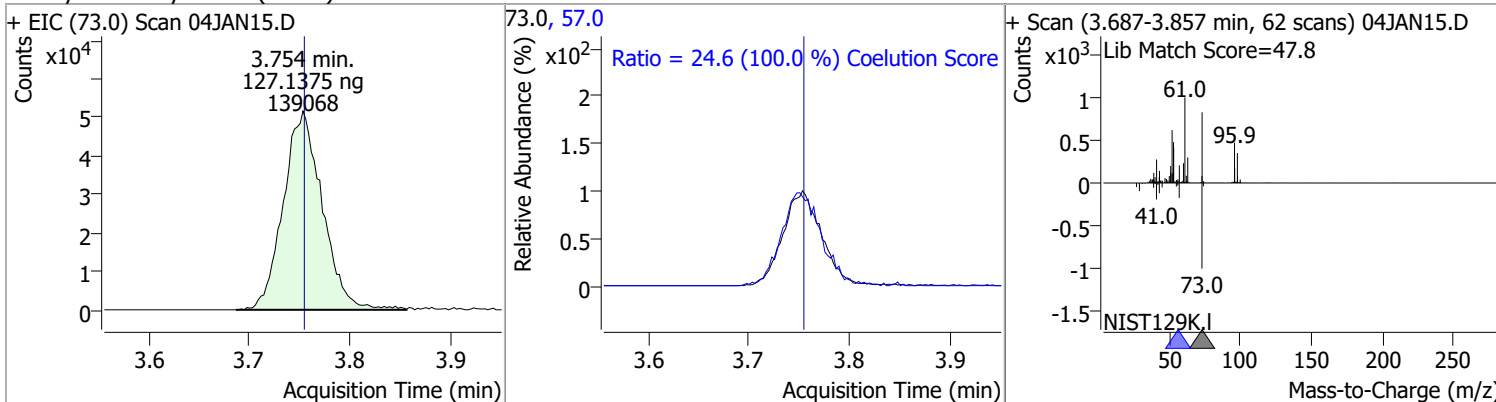


# Quantitation Results Report (QT Reviewed)

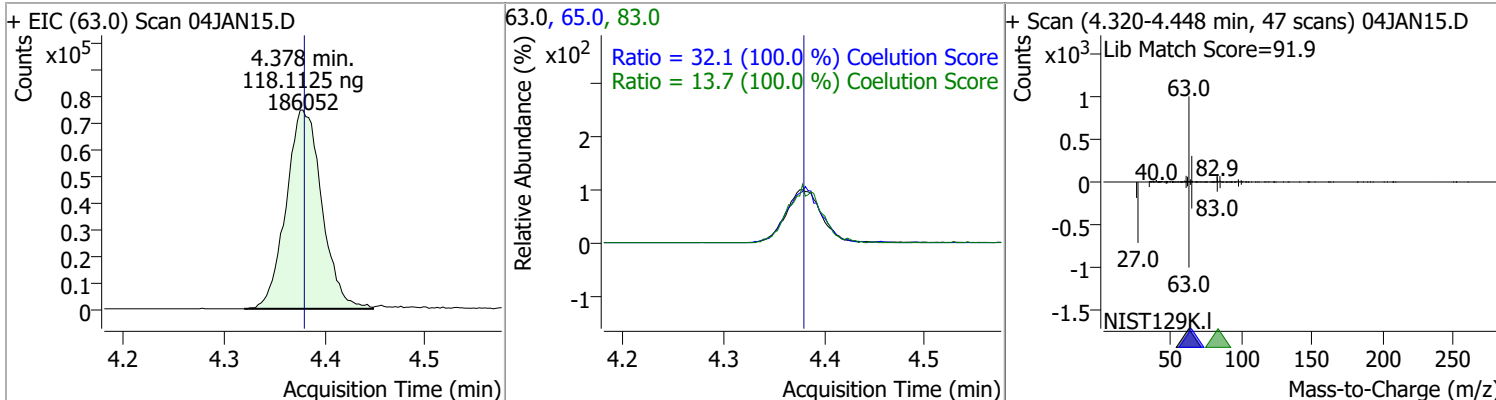
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 118.6511 | 3.72 | 0.00     | 100409 | 61.0 | 153.9  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 65.7   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 127.1375 | 3.75 | 0.00     | 139068 | 57.0 | 24.6   | 0.0   | 54.6  |

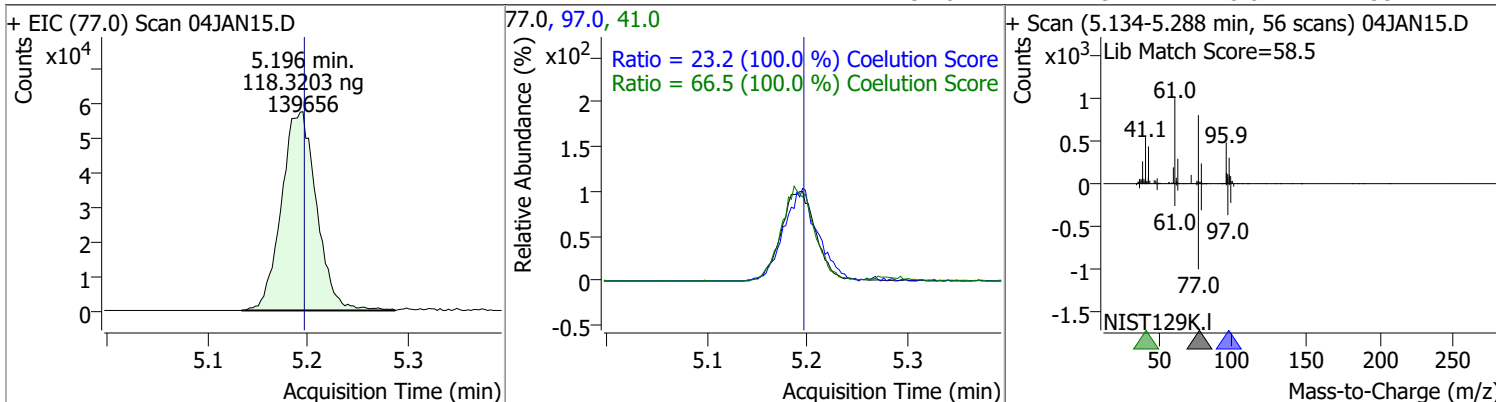


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 118.1125 | 4.38 | 0.00     | 186052 | 65.0 | 32.1   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 13.7   | 0.0   | 43.7  |

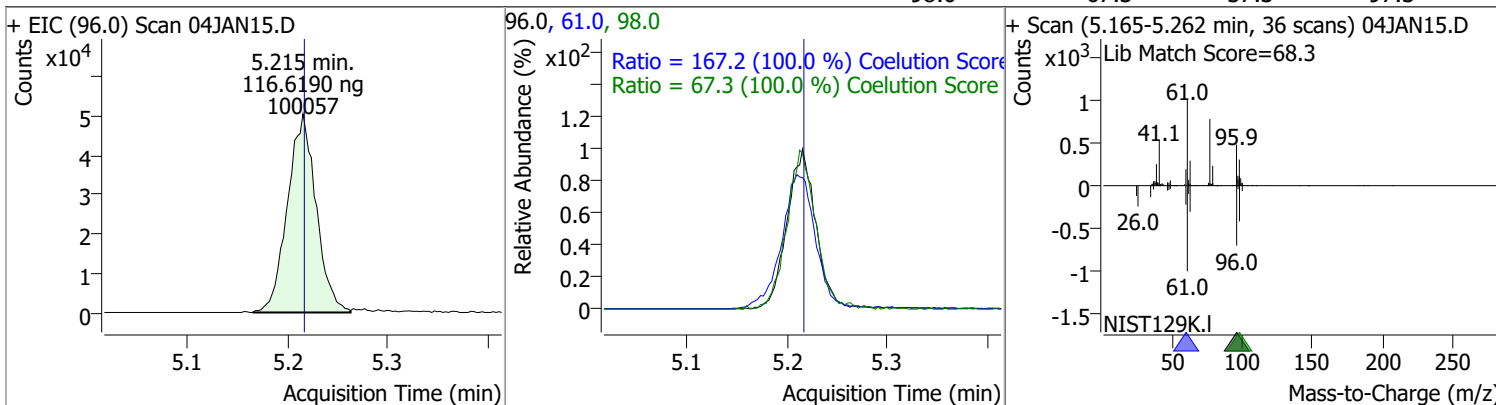


# Quantitation Results Report (QT Reviewed)

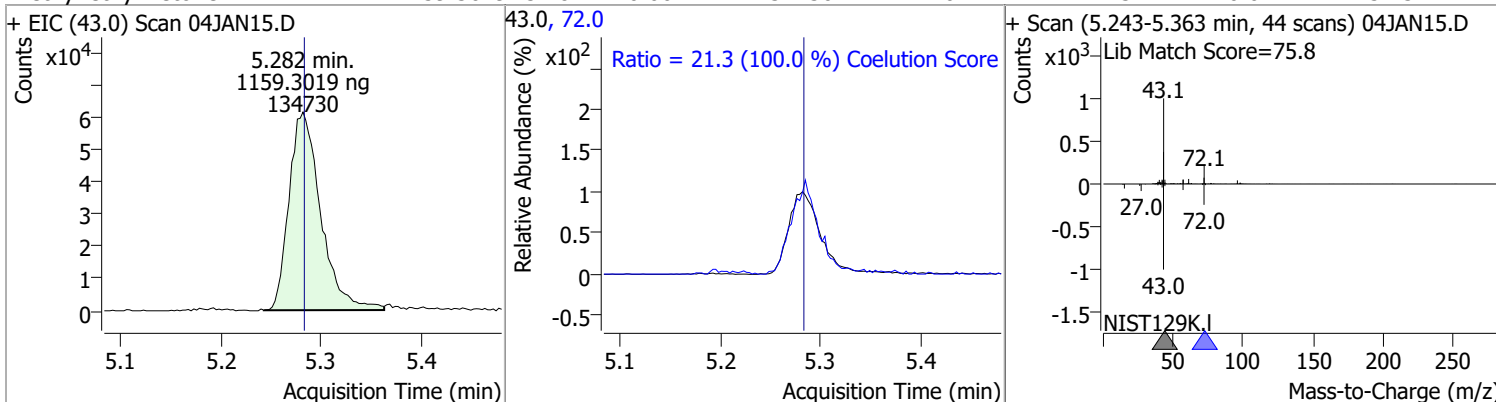
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 118.3203 | 5.20 | 0.00     | 139656 | 41.0 | 66.5   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 23.2   | 0.0   | 53.2  |



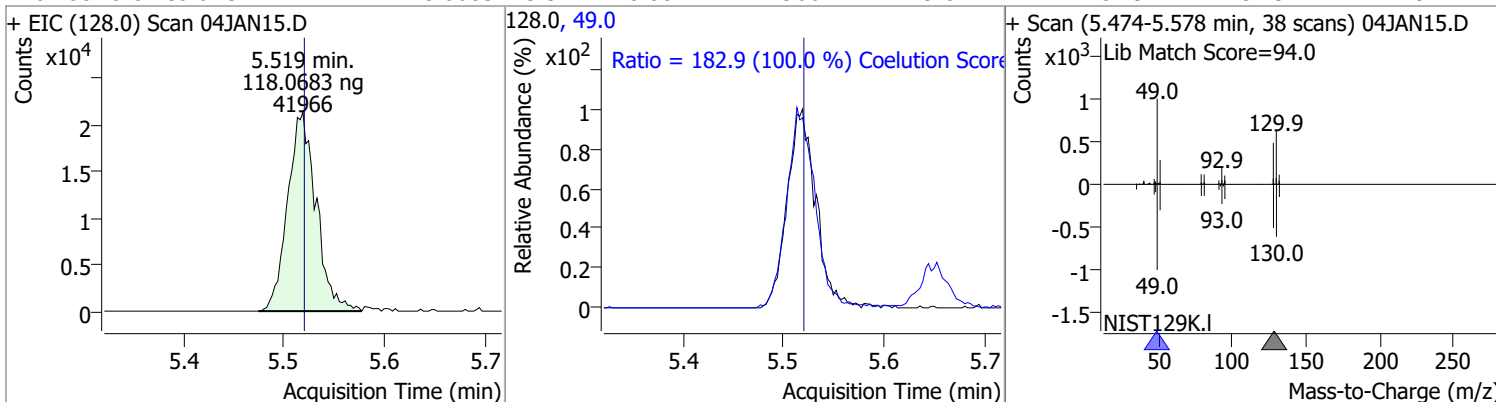
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 116.6190 | 5.22 | 0.00     | 100057 | 61.0 | 167.2  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 67.3   | 37.3  | 97.3  |



| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 1159.3019 | 5.28 | 0.00     | 134730 | 72.0 | 21.3   | 0.0   | 51.3  |



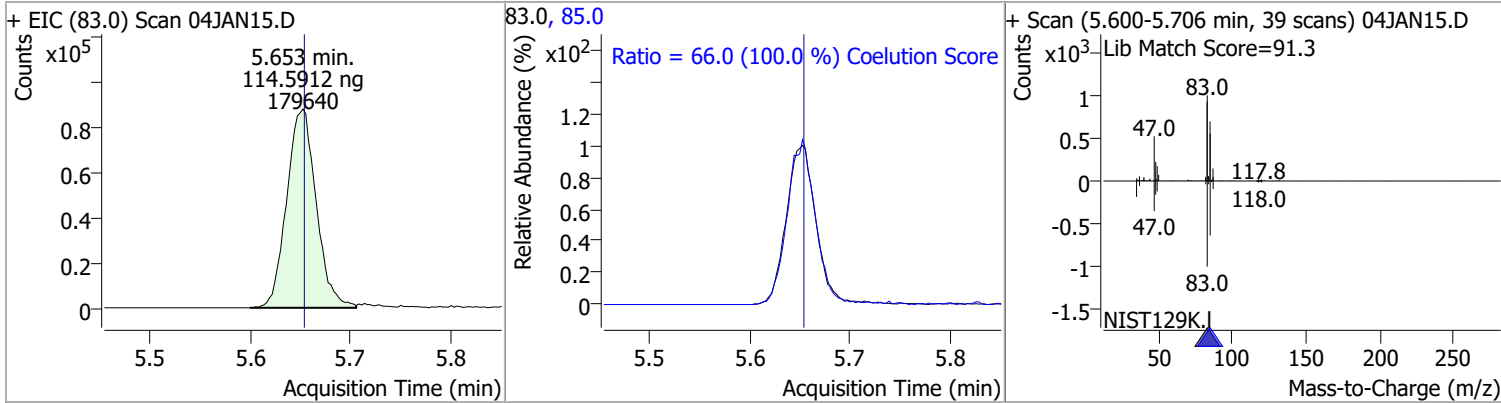
| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 118.0683 | 5.52 | 0.00     | 41966 | 49.0 | 182.9  | 152.9 | 212.9 |



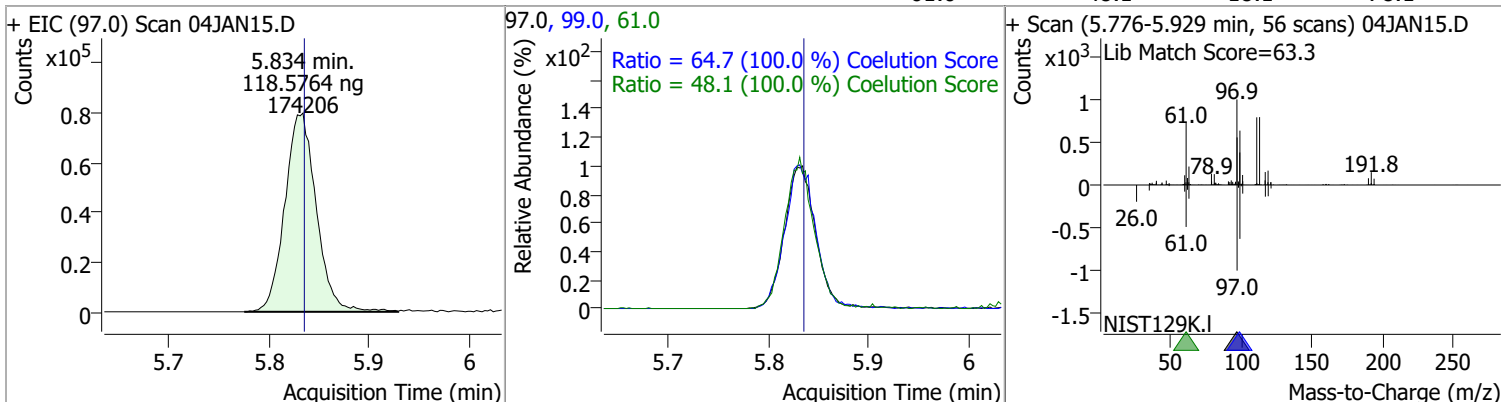


# Quantitation Results Report (QT Reviewed)

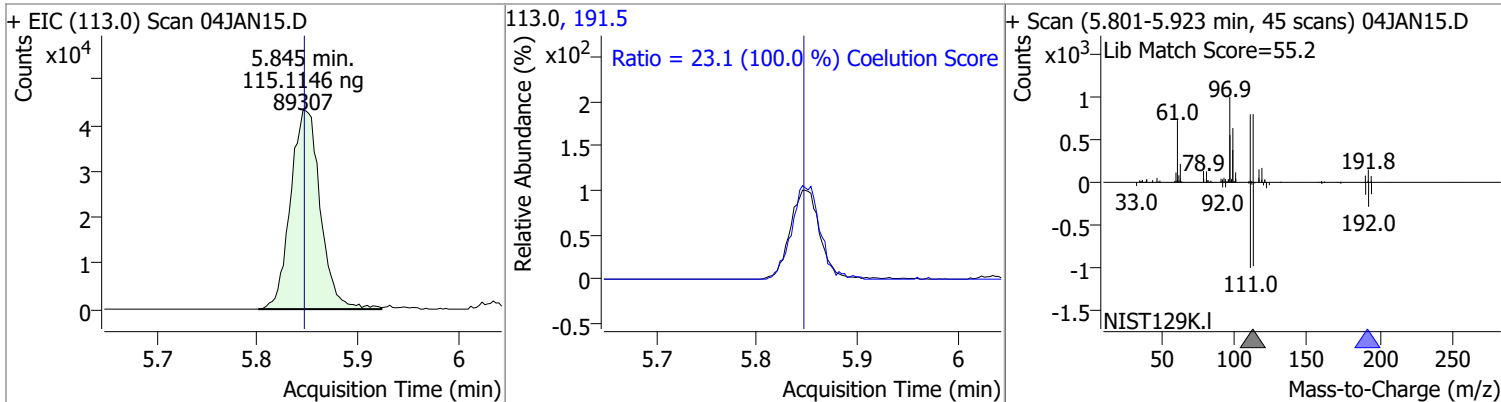
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroform | 114.5912 | 5.65 | 0.00     | 179640 | 85.0 | 66.0   | 36.0  | 96.0  |



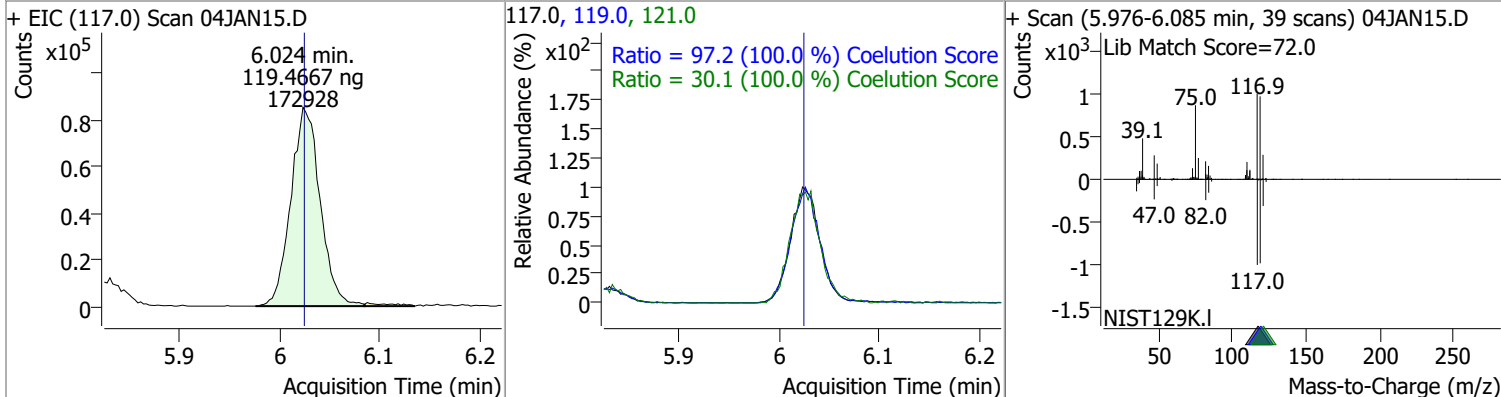
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 118.5764 | 5.83 | 0.00     | 174206 | 99.0 | 64.7   | 34.7  | 94.7  |
|                       |          |      |          |        | 61.0 | 48.1   | 18.1  | 78.1  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromofluoromethane | 115.1146 | 5.85 | 0.00     | 89307 | 191.5 | 23.1   | 0.0   | 53.1  |

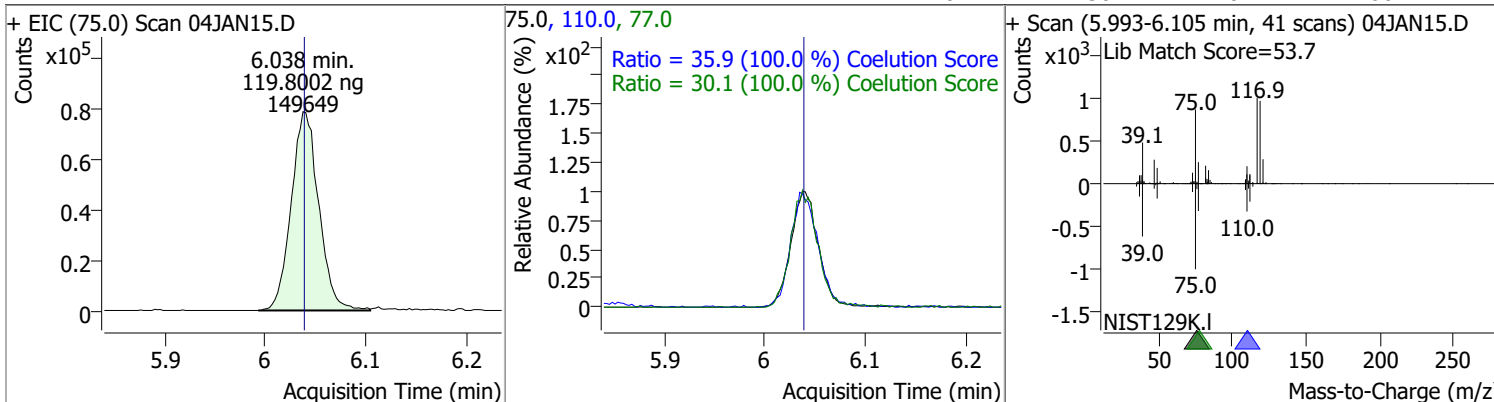


| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Carbon tetrachloride | 119.4667 | 6.02 | 0.00     | 172928 | 119.0 | 97.2   | 67.2  | 127.2 |
|                      |          |      |          |        | 121.0 | 30.1   | 0.1   | 60.1  |

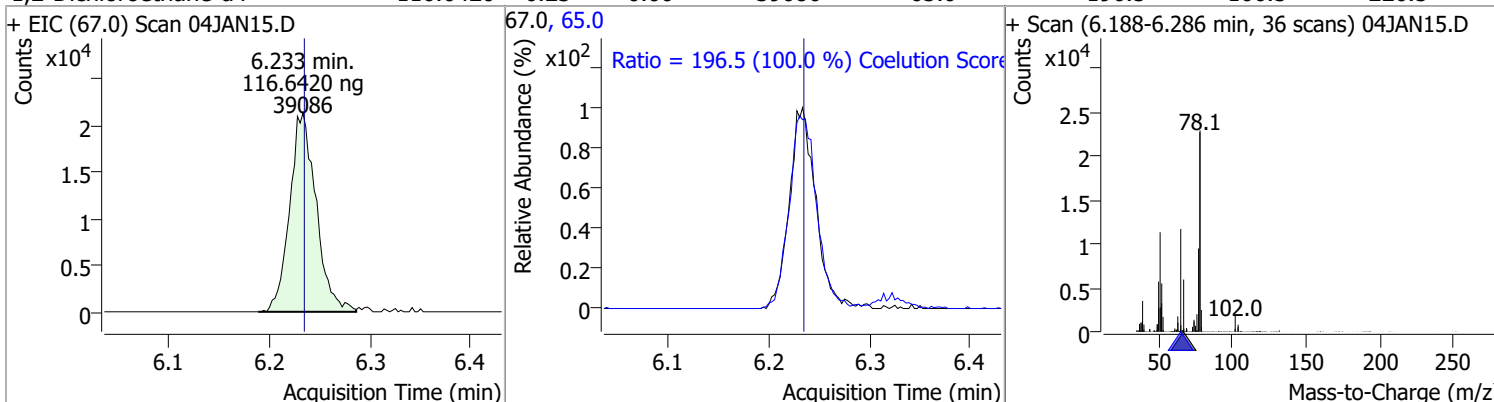


# Quantitation Results Report (QT Reviewed)

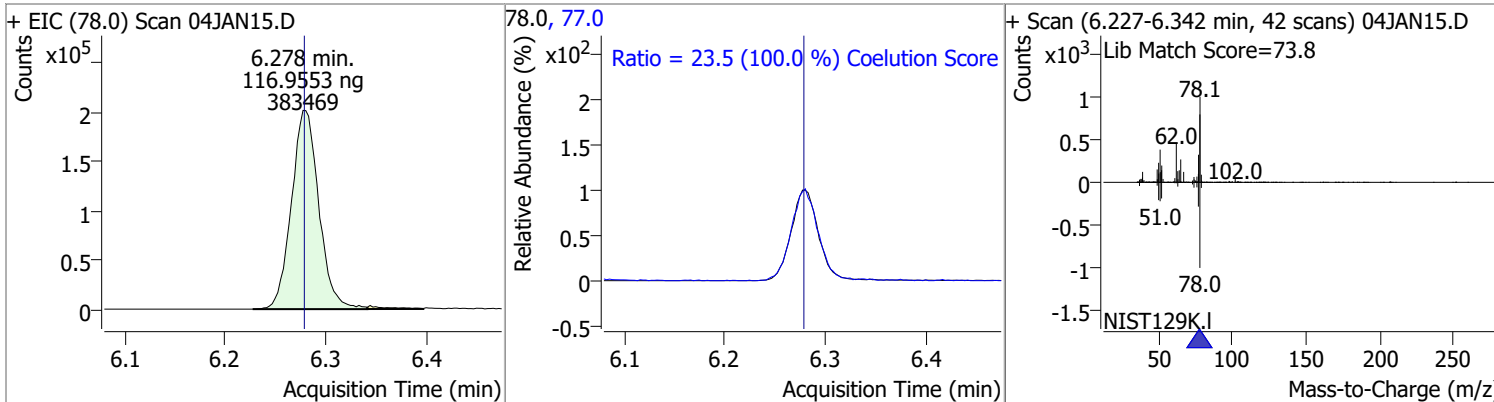
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 119.8002 | 6.04 | 0.00     | 149649 | 110.0 | 35.9   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.1   | 0.1   | 60.1  |



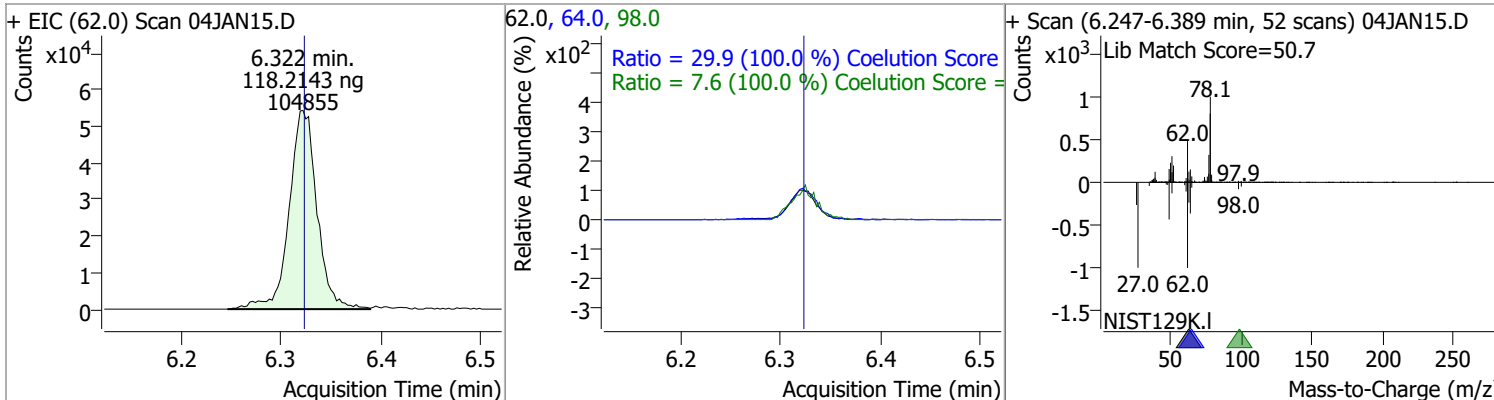
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 116.6420 | 6.23 | 0.00     | 39086 | 65.0 | 196.5  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 116.9553 | 6.28 | 0.00     | 383469 | 77.0 | 23.5   | 0.0   | 53.5  |

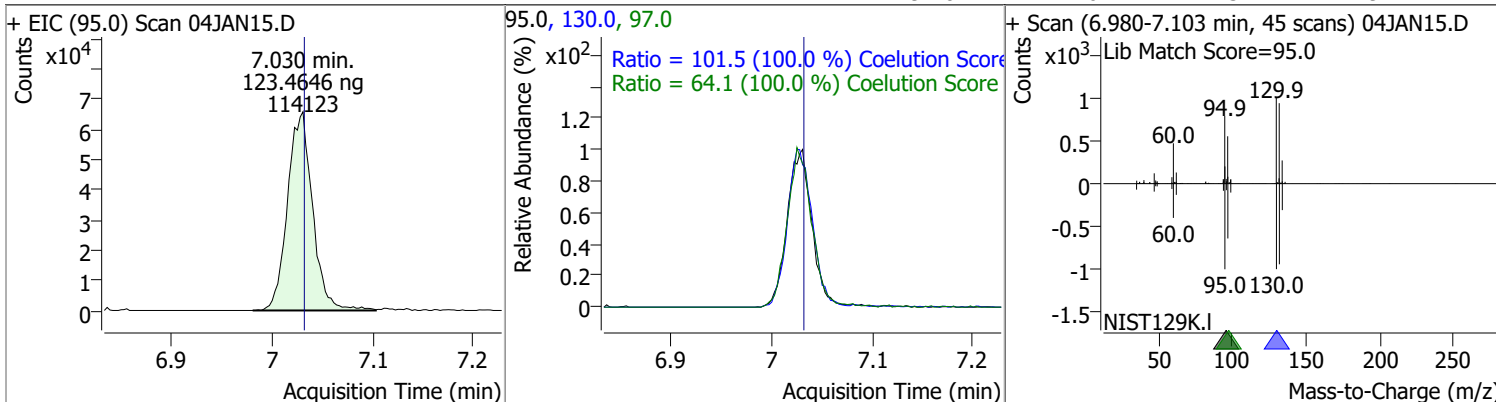


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 118.2143 | 6.32 | 0.00     | 104855 | 64.0 | 29.9   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 7.6    | 0.0   | 37.6  |

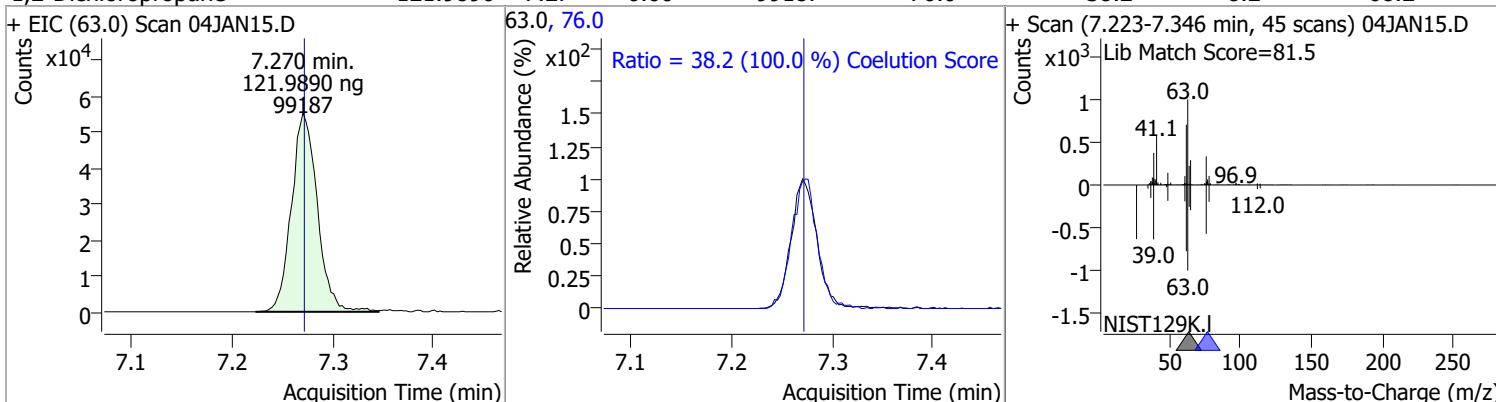


# Quantitation Results Report (QT Reviewed)

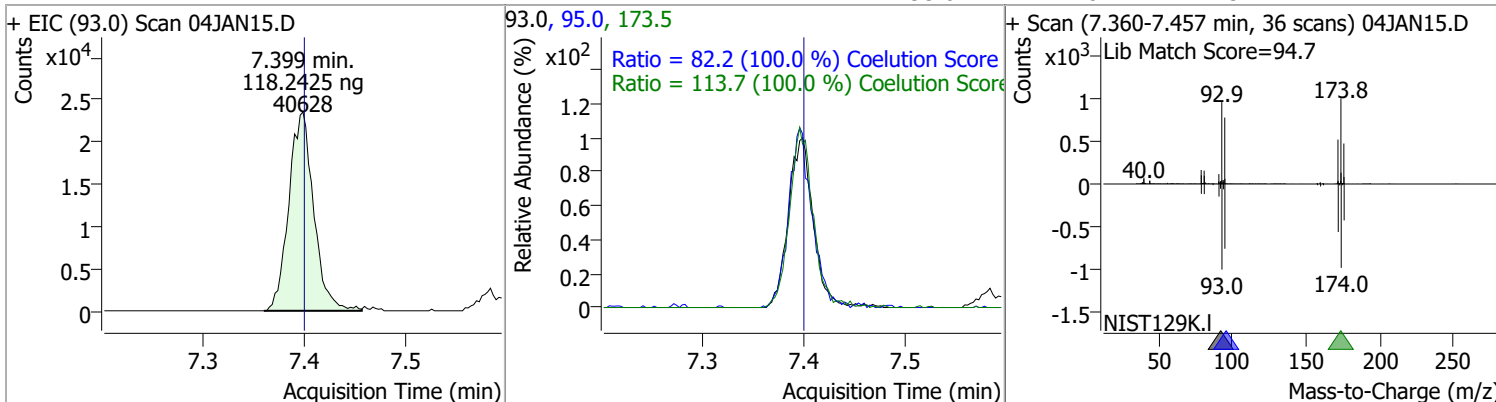
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 123.4646 | 7.03 | 0.00     | 114123 | 130.0 | 101.5  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 64.1   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloropropane | 121.9890 | 7.27 | 0.00     | 99187 | 76.0 | 38.2   | 8.2   | 68.2  |

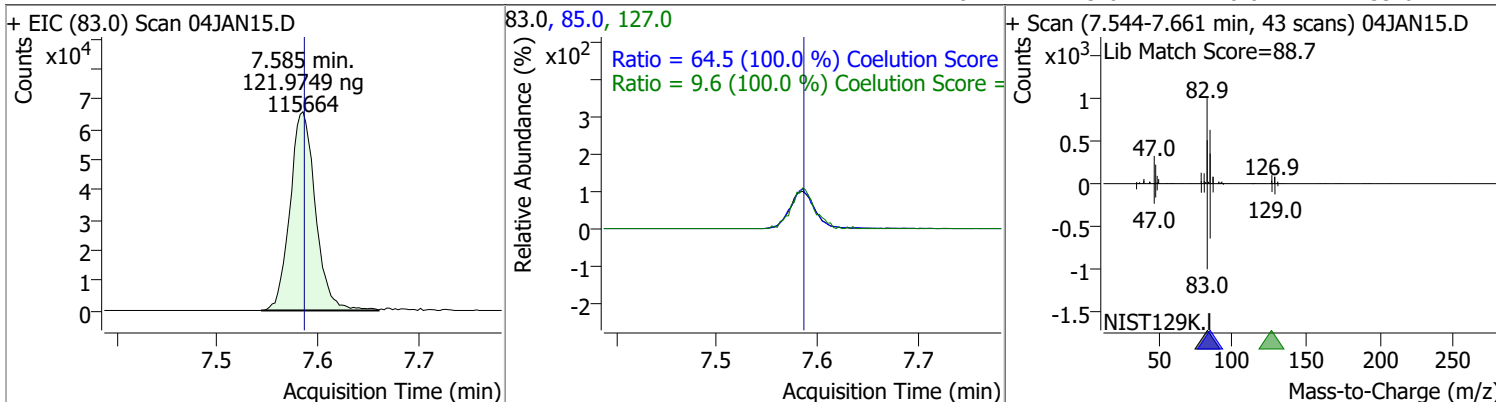


| Compound       | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 118.2425 | 7.40 | 0.00     | 40628 | 173.5 | 113.7  | 83.7  | 143.7 |
|                |          |      |          |       | 95.0  | 82.2   | 52.2  | 112.2 |

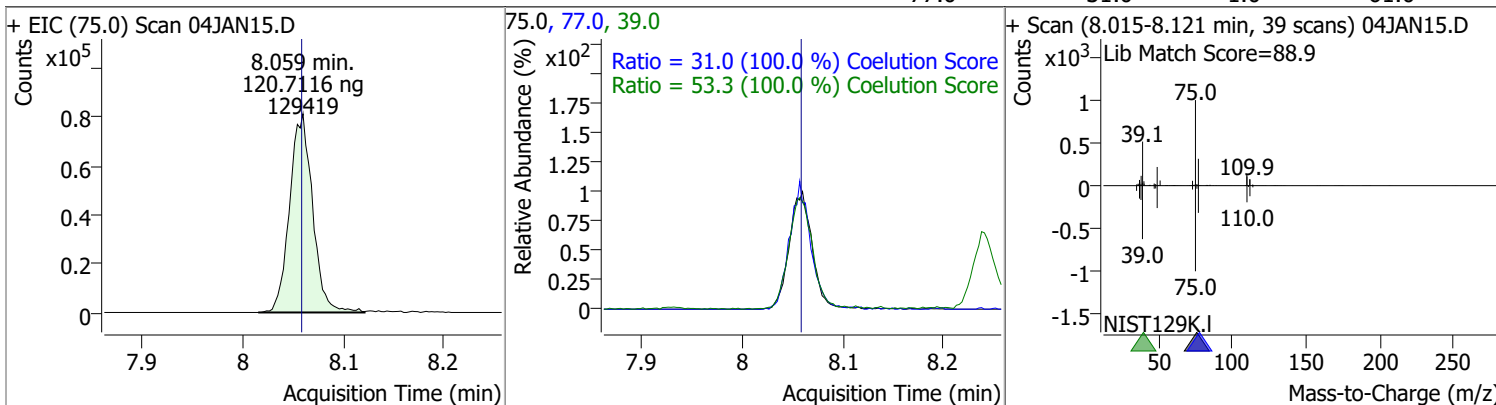


# Quantitation Results Report (QT Reviewed)

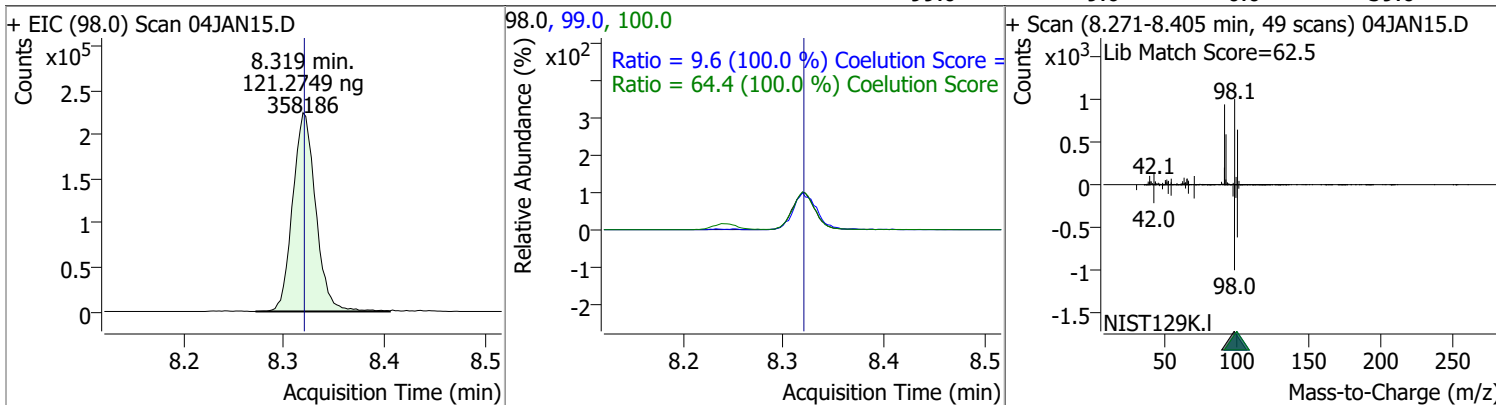
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 121.9749 | 7.59 | 0.00     | 115664 | 85.0  | 64.5   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.6    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 120.7116 | 8.06 | 0.00     | 129419 | 39.0 | 53.3   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 31.0   | 1.0   | 61.0  |

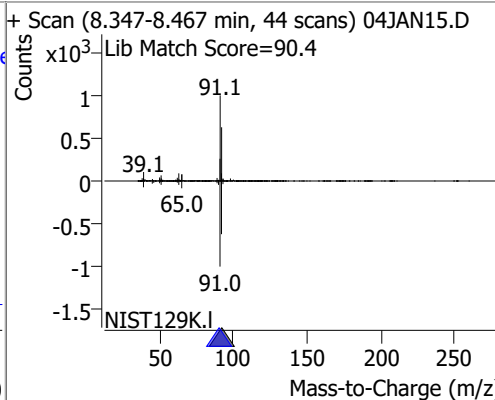
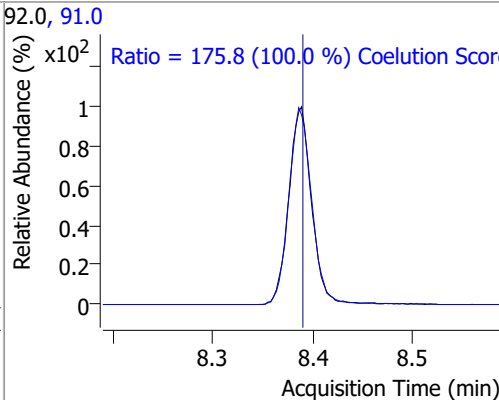
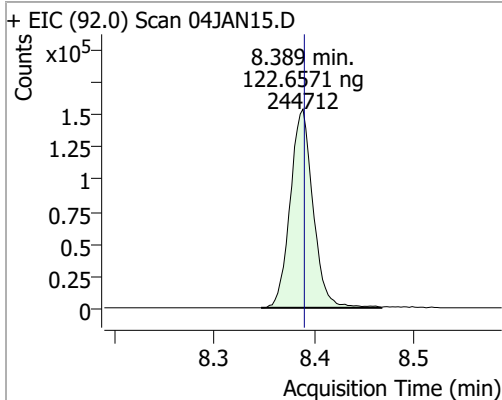


| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 121.2749 | 8.32 | 0.00     | 358186 | 100.0 | 64.4   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.6    | 0.0   | 39.6  |

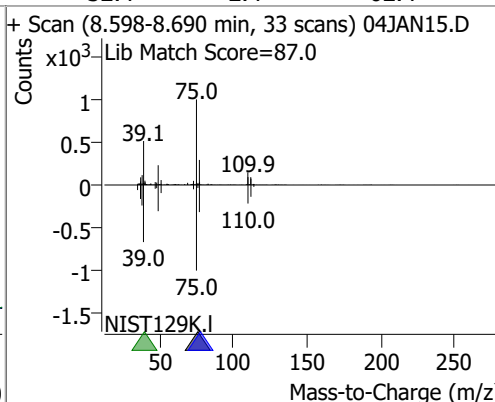
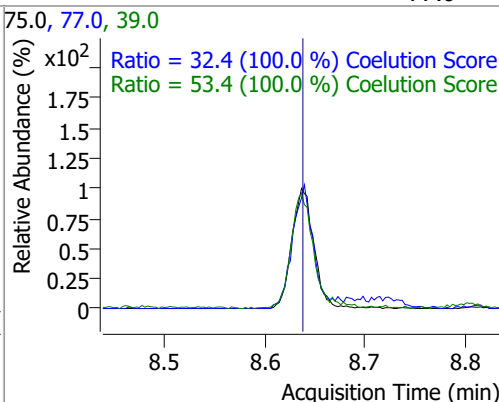
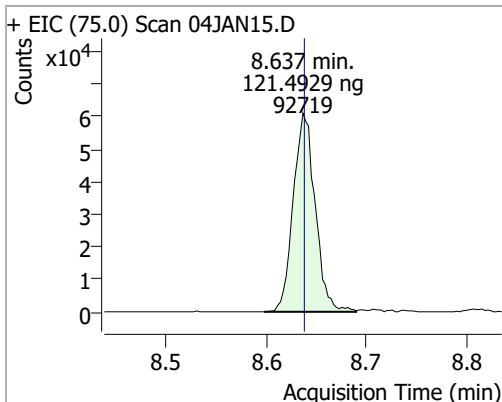


# Quantitation Results Report (QT Reviewed)

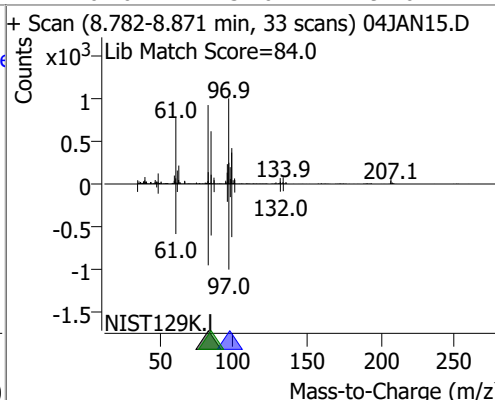
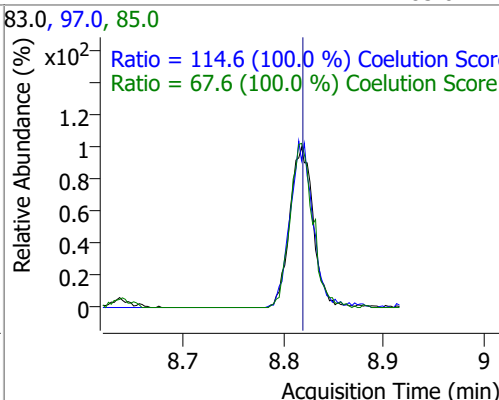
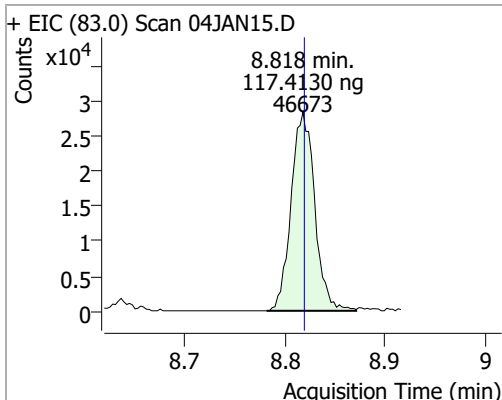
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Toluene  | 122.6571 | 8.39 | 0.00     | 244712 | 91.0 | 175.8  | 145.8 | 205.8 |



| Compound                  | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|-------|------|--------|-------|-------|
| trans-1,3-Dichloropropene | 121.4929 | 8.64 | 0.00     | 92719 | 39.0 | 53.4   | 23.4  | 83.4  |
|                           |          |      |          |       | 77.0 | 32.4   | 2.4   | 62.4  |

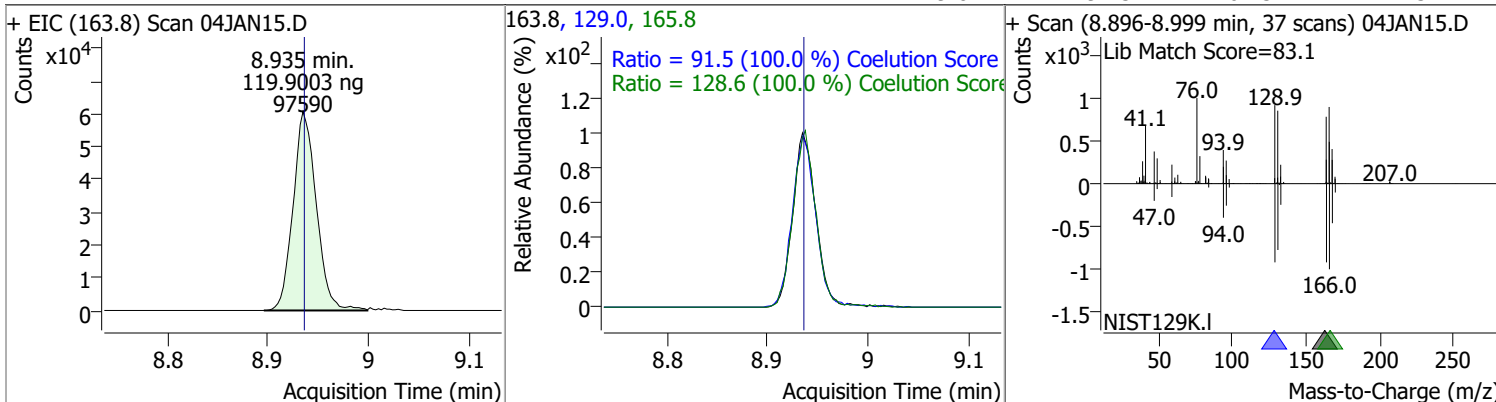


| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1,2-Trichloroethane | 117.4130 | 8.82 | 0.00     | 46673 | 97.0 | 114.6  | 84.6  | 144.6 |
|                       |          |      |          |       | 85.0 | 67.6   | 37.6  | 97.6  |

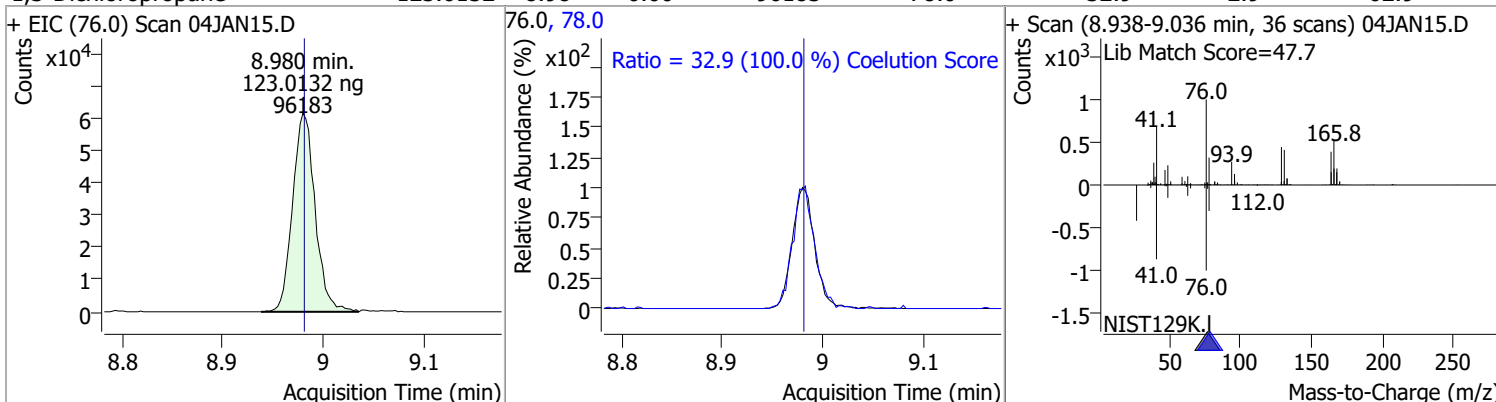


# Quantitation Results Report (QT Reviewed)

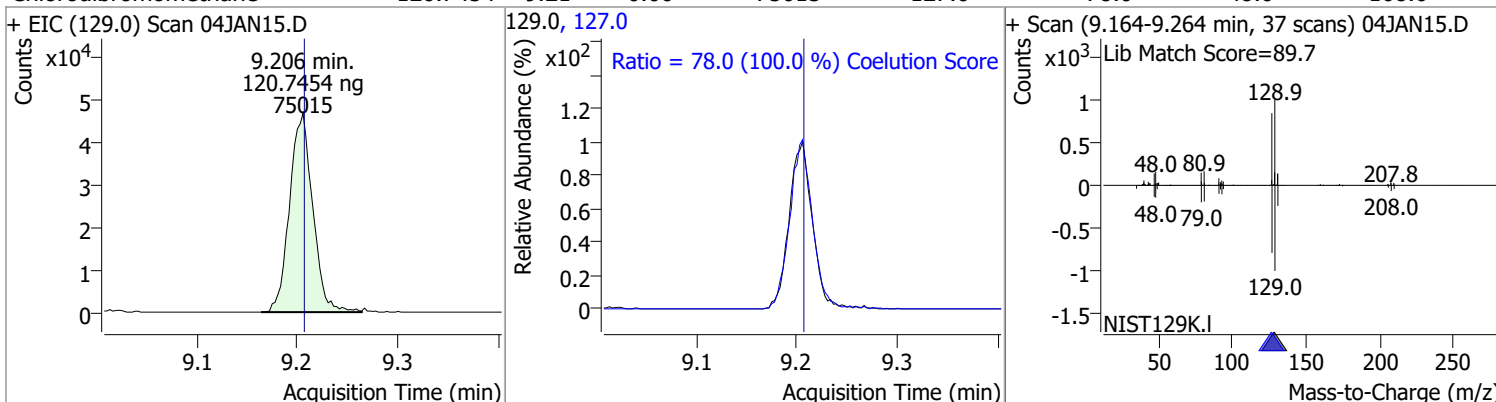
| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Tetrachloroethene | 119.9003 | 8.94 | 0.00     | 97590 | 165.8 | 128.6  | 98.6  | 158.6 |
|                   |          |      |          |       | 129.0 | 91.5   | 61.5  | 121.5 |



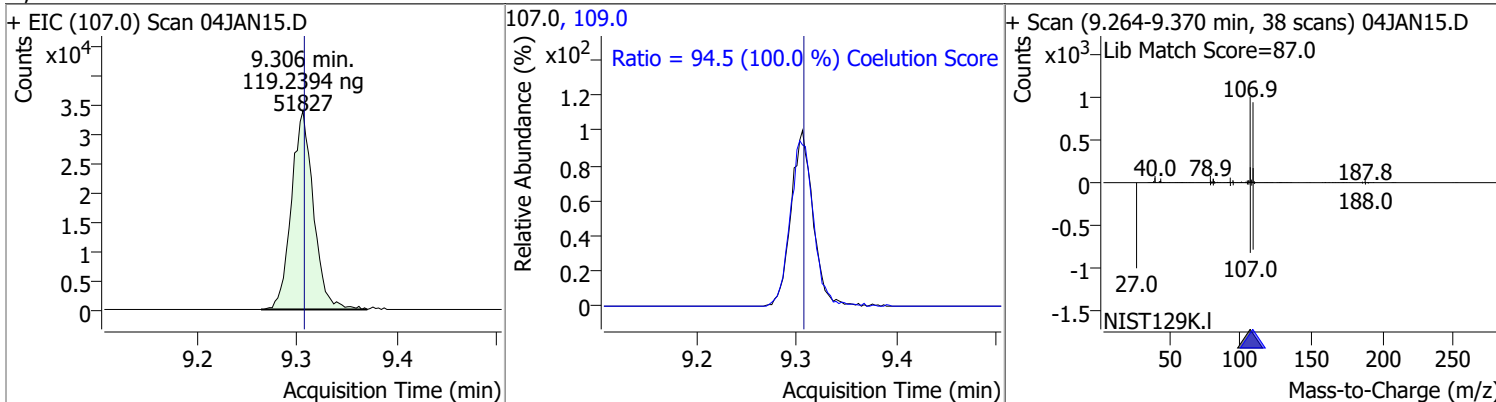
| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,3-Dichloropropane | 123.0132 | 8.98 | 0.00     | 96183 | 78.0 | 32.9   | 2.9   | 62.9  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 120.7454 | 9.21 | 0.00     | 75015 | 127.0 | 78.0   | 48.0  | 108.0 |



| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 119.2394 | 9.31 | 0.00     | 51827 | 109.0 | 94.5   | 64.5  | 124.5 |



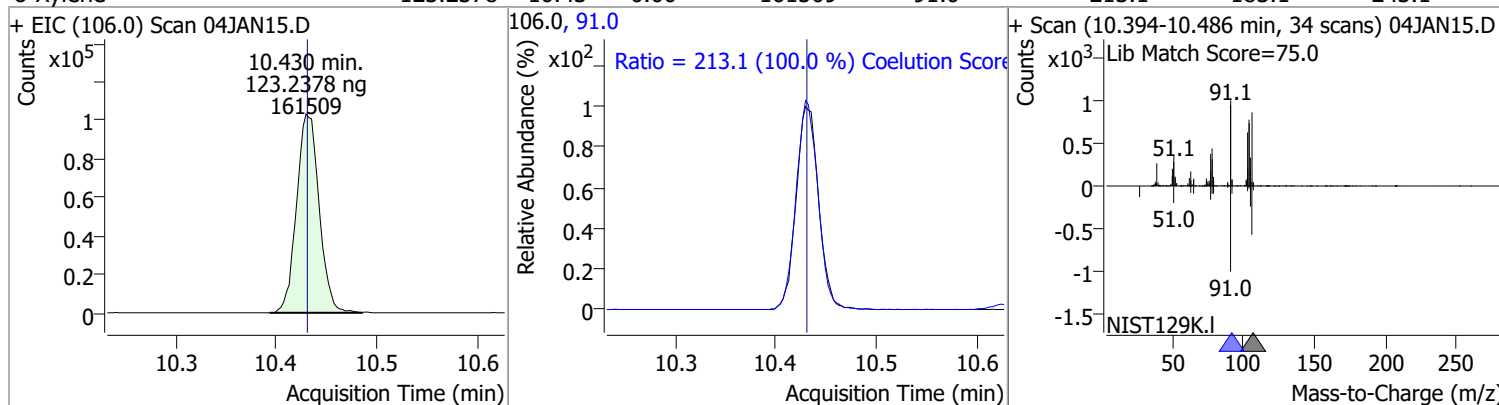
# Quantitation Results Report (QT Reviewed)

| Compound                     | Conc.    | RT    | Dev(Min)     | Resp.  | QIon  | QRatio  | Lower | Upper |
|------------------------------|----------|-------|--------------|--------|-------|---|-------|-------|
| Chlorobenzene                | 120.6903 | 9.80  | 0.00         | 263617 | 114.0 | 32.1  | 2.1   | 62.1  |
| + EIC (112.0) Scan 04JAN15.D |          |       | 112.0, 114.0 |        |       | + Scan (9.761-9.869 min, 40 scans) 04JAN15.D  |       |       |
|                              |          |       |              |        |       |   |       |       |
| 1,1,1,2-Tetrachloroethane    | 119.0492 | 9.89  | 0.00         | 90898  | 133.0 | 98.6  | 68.6  | 128.6 |
| + EIC (131.0) Scan 04JAN15.D |          |       | 131.0, 133.0 |        |       | + Scan (9.850-9.945 min, 34 scans) 04JAN15.D  |       |       |
|                              |          |       |              |        |       |   |       |       |
| Ethylbenzene                 | 122.5243 | 9.92  | 0.00         | 464148 | 106.0 | 31.1  | 1.1   | 61.1  |
| + EIC (91.0) Scan 04JAN15.D  |          |       | 91.0, 106.0  |        |       | + Scan (9.880-9.995 min, 42 scans) 04JAN15.D  |       |       |
|                              |          |       |              |        |       |   |       |       |
| m+p-Xylenes                  | 250.2587 | 10.04 | 0.00         | 368418 | 91.0  | 201.4   | 171.4 | 231.4 |
| + EIC (106.0) Scan 04JAN15.D |          |       | 106.0, 91.0  |        |       | + Scan (9.989-10.109 min, 44 scans) 04JAN15.D |       |       |
|                              |          |       |              |        |       |   |       |       |

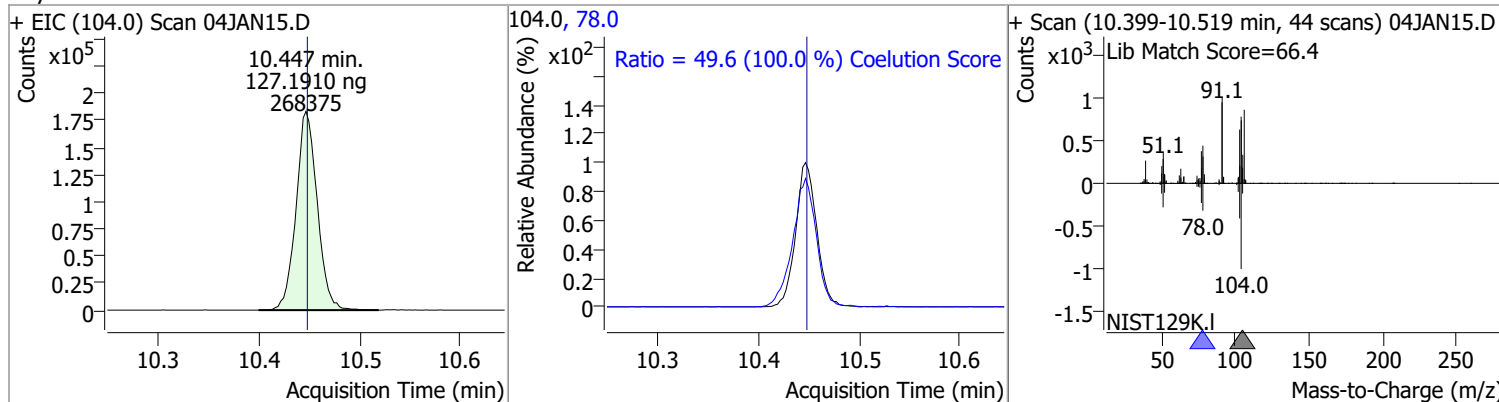


# Quantitation Results Report (QT Reviewed)

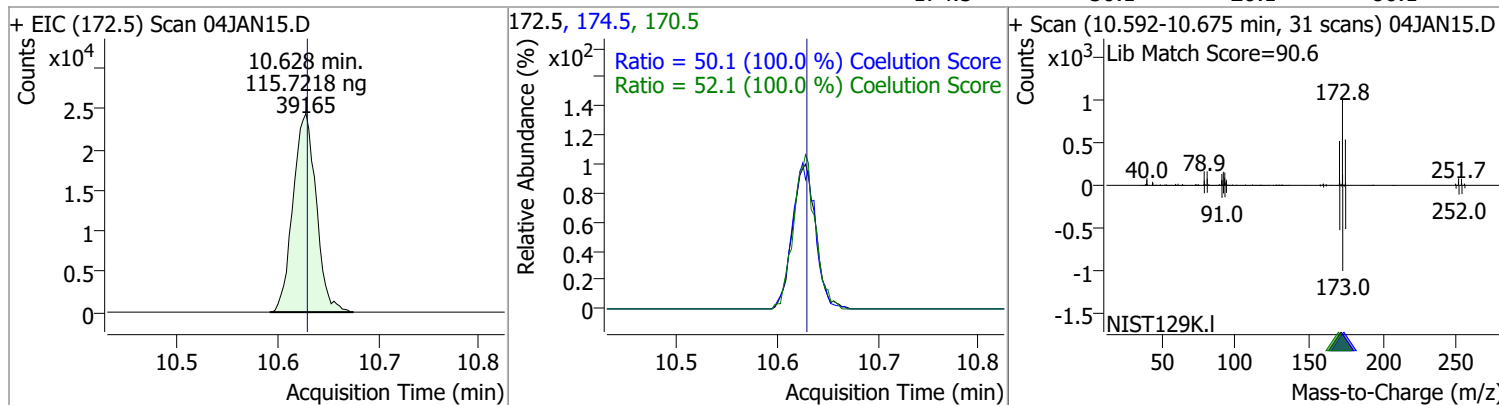
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 123.2378 | 10.43 | 0.00     | 161509 | 91.0 | 213.1  | 183.1 | 243.1 |



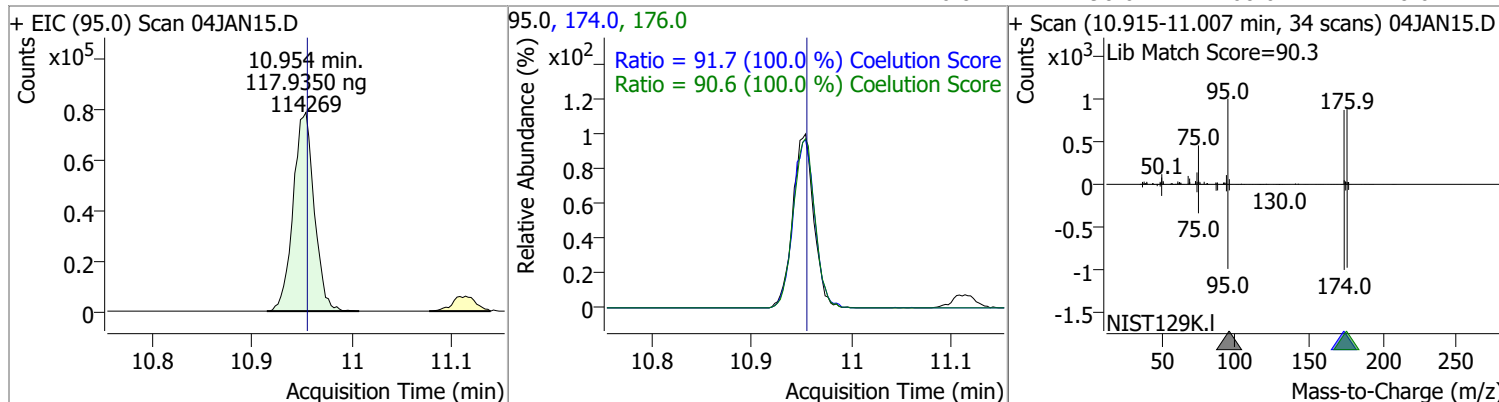
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| Styrene  | 127.1910 | 10.45 | 0.00     | 268375 | 78.0 | 49.6   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 115.7218 | 10.63 | 0.00     | 39165 | 170.5 | 52.1   | 22.1  | 82.1  |
|           |          |       |          |       | 174.5 | 50.1   | 20.1  | 80.1  |



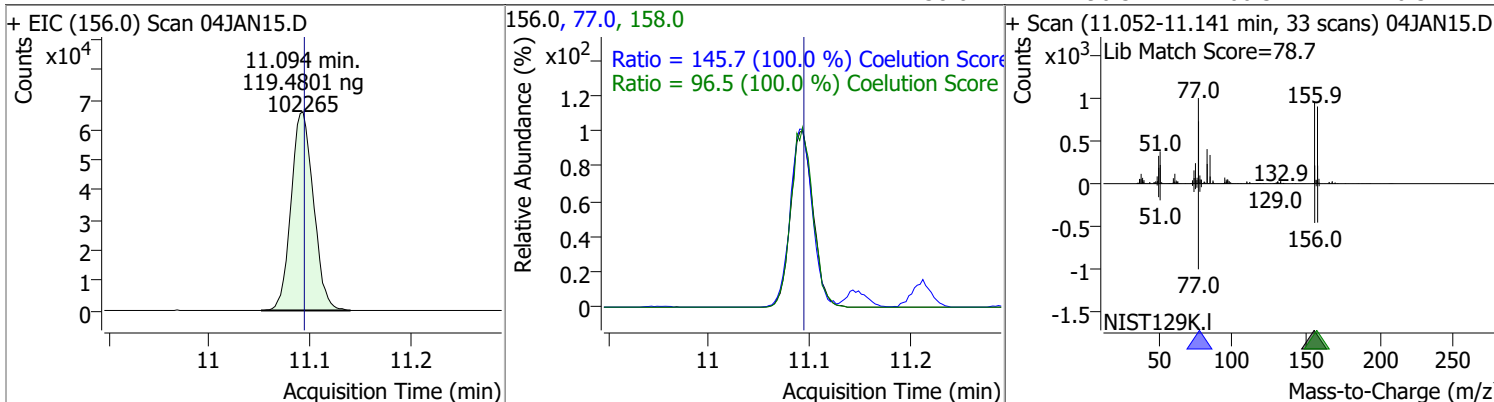
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 117.9350 | 10.95 | 0.00     | 114269 | 174.0 | 91.7   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 90.6   | 60.6  | 120.6 |



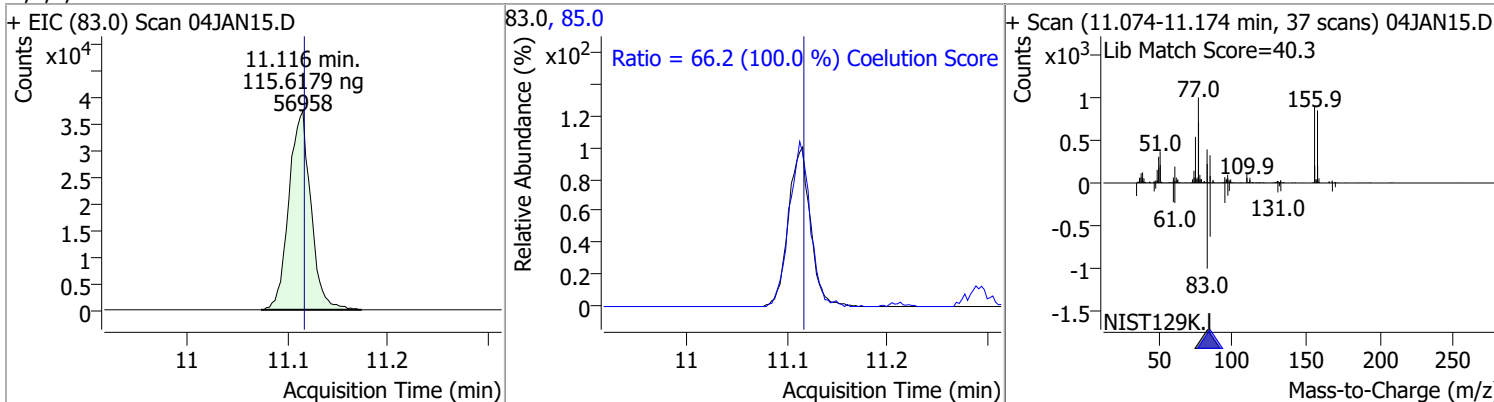


# Quantitation Results Report (QT Reviewed)

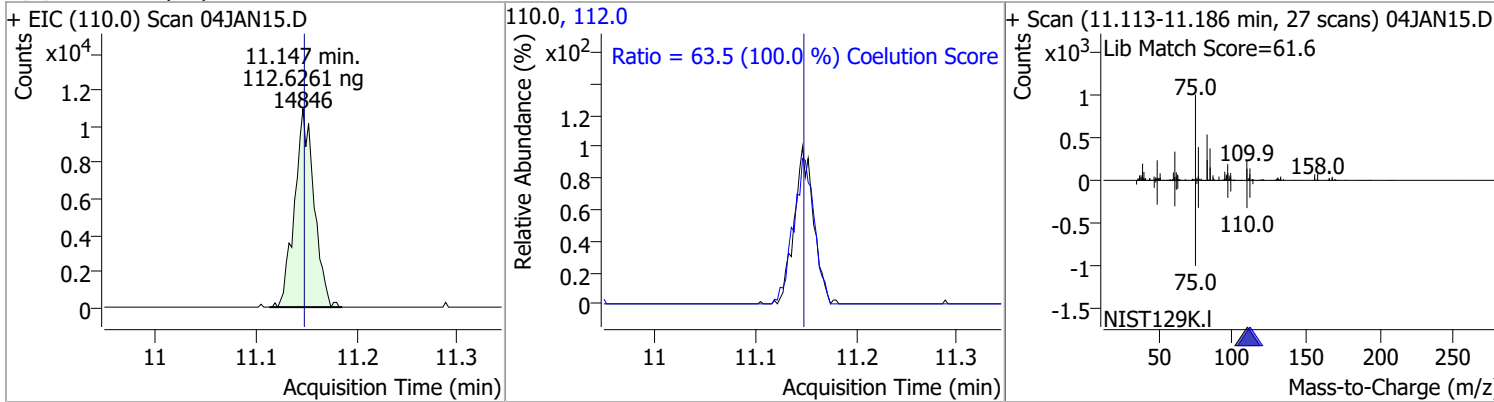
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 119.4801 | 11.09 | 0.00     | 102265 | 77.0  | 145.7  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 96.5   | 66.5  | 126.5 |



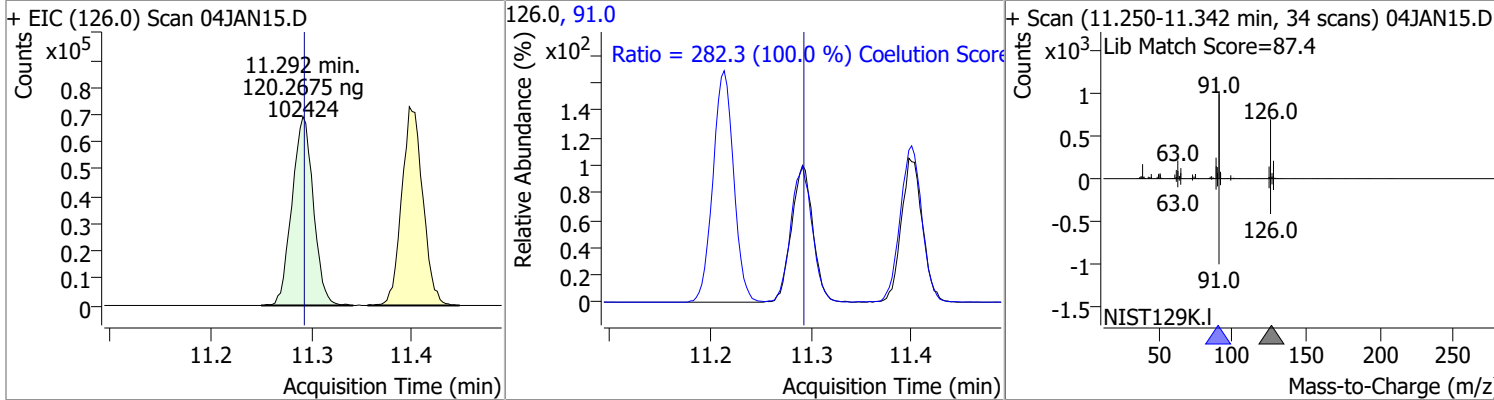
| Compound                  | Conc.    | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 115.6179 | 11.12 | 0.00     | 56958 | 85.0 | 66.2   | 36.2  | 96.2  |



| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 112.6261 | 11.15 | 0.00     | 14846 | 112.0 | 63.5   | 33.5  | 93.5  |

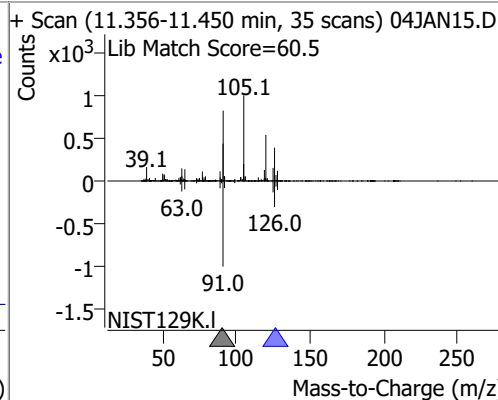
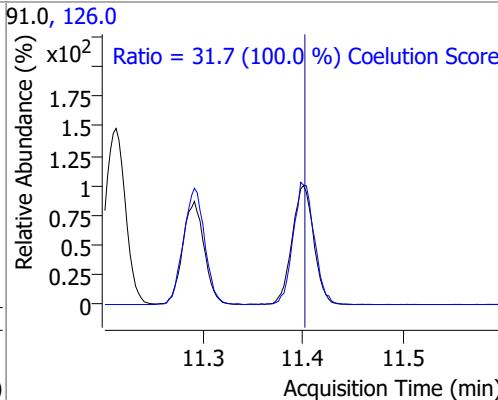
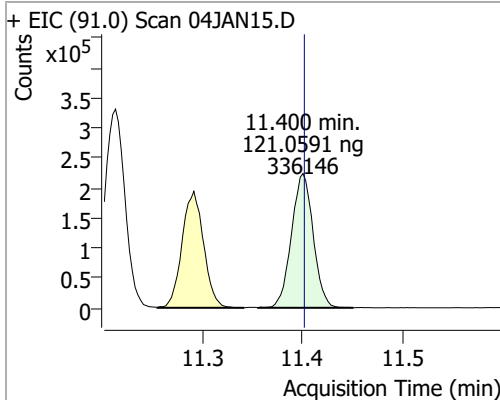


| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 120.2675 | 11.29 | 0.00     | 102424 | 91.0 | 282.3  | 252.3 | 312.3 |

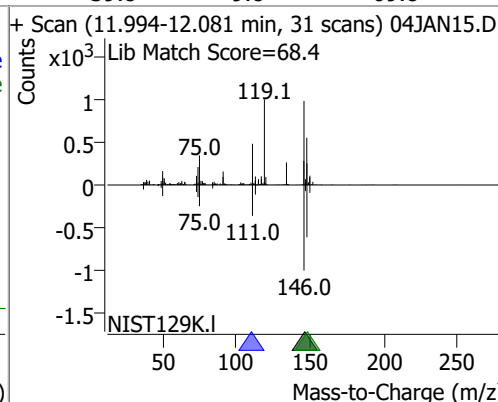
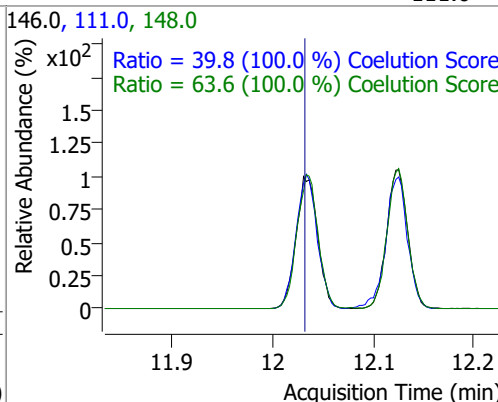
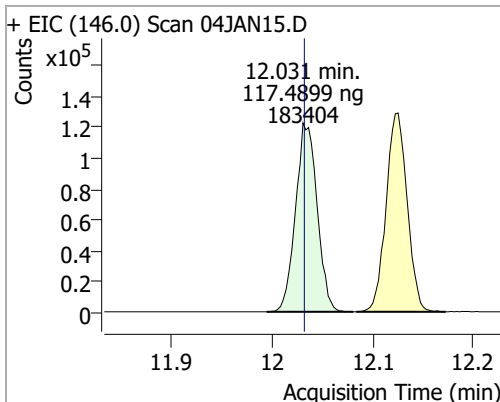


# Quantitation Results Report (QT Reviewed)

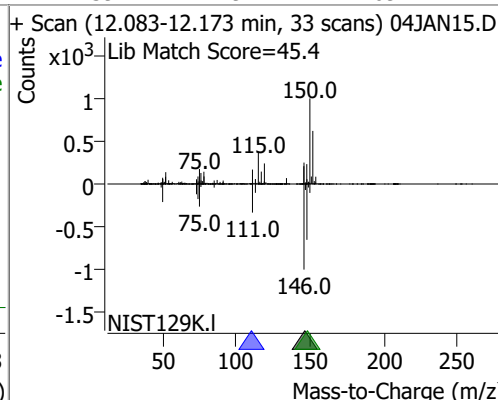
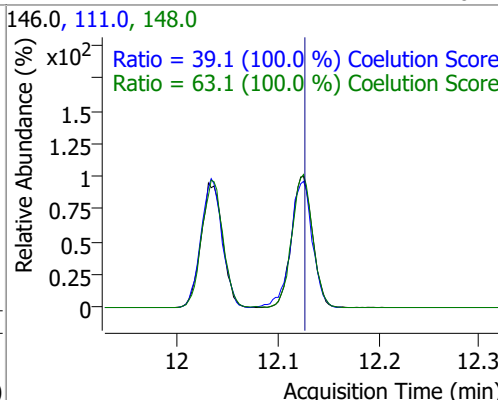
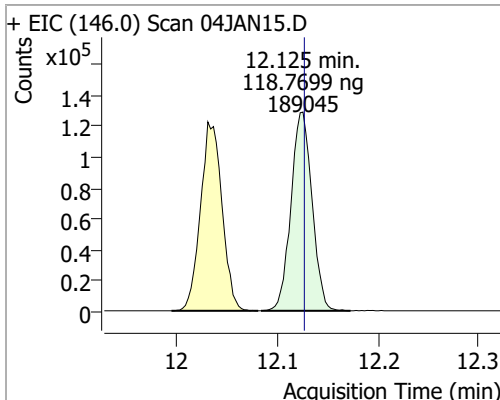
| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 4-Chlorotoluene | 121.0591 | 11.40 | 0.00     | 336146 | 126.0 | 31.7   | 1.7   | 61.7  |



| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,3-Dichlorobenzene | 117.4899 | 12.03 | 0.00     | 183404 | 148.0 | 63.6   | 33.6  | 93.6  |
|                     |          |       |          |        | 111.0 | 39.8   | 9.8   | 69.8  |

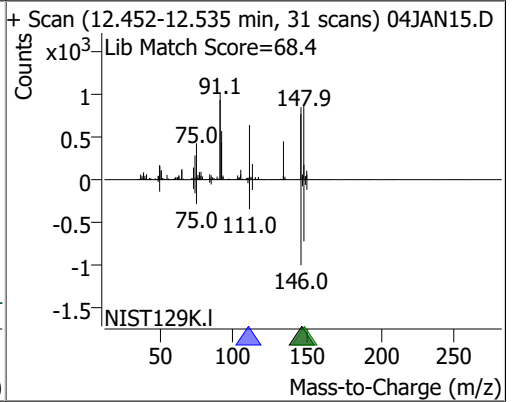
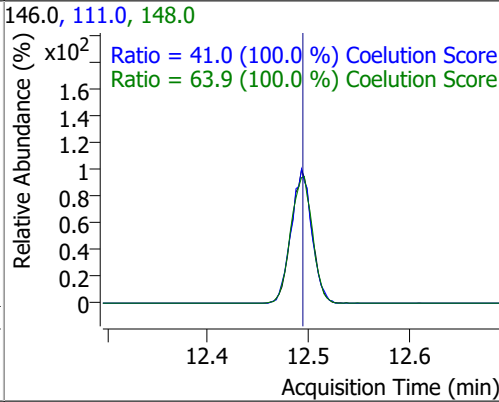
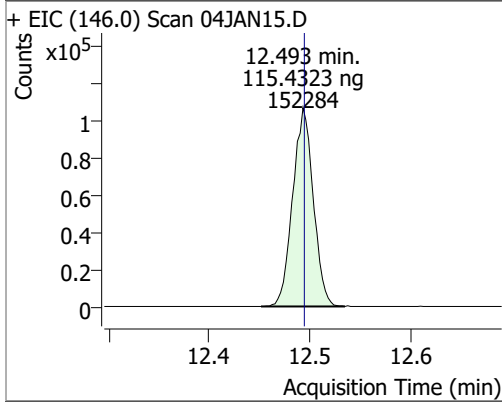


| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,4-Dichlorobenzene | 118.7699 | 12.13 | 0.00     | 189045 | 148.0 | 63.1   | 33.1  | 93.1  |
|                     |          |       |          |        | 111.0 | 39.1   | 9.1   | 69.1  |



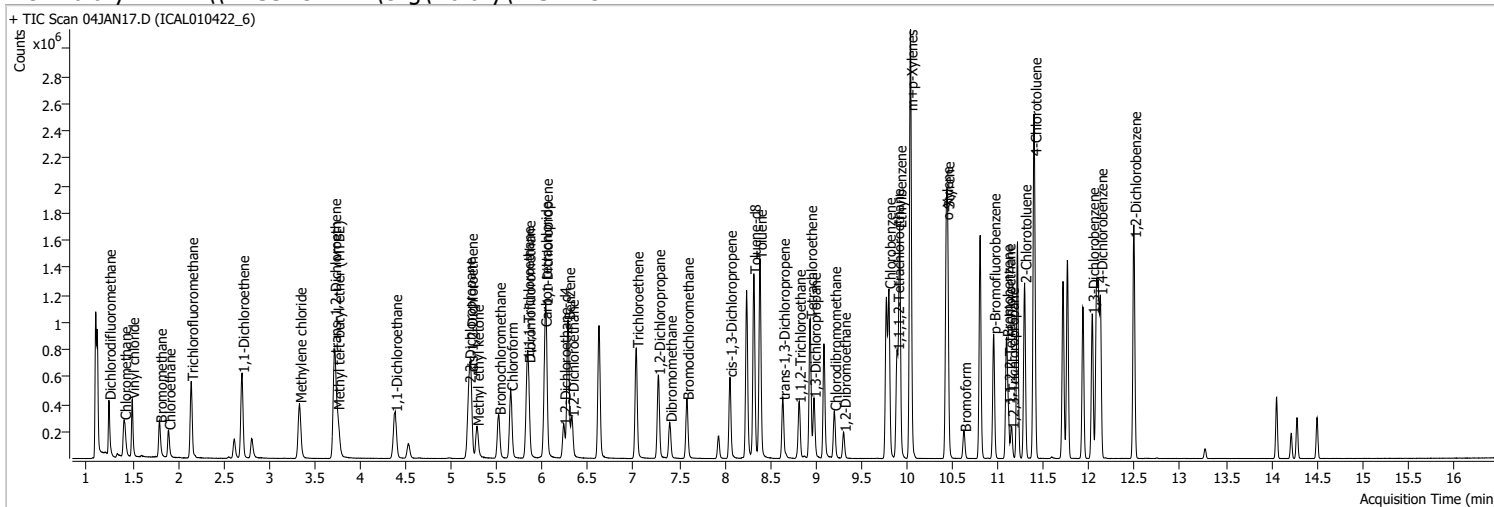
# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 115.4323 | 12.49 | 0.00     | 152284 | 148.0 | 63.9   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 41.0   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN17.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 6:45:10 PM   |
| Sample Name    | ICAL010422_6                        | Instrument        | VOA5975C              |
| Vial           | 17                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|----------|----|------|-------|-------|-------|----------|
|----------|----|------|-------|-------|-------|----------|

### Internal Standards

|                          |        |       |        |          |    |        |
|--------------------------|--------|-------|--------|----------|----|--------|
| M Fluorobenzene          | 6.620  | 96.0  | 836278 | 250.0000 | ng | -0.003 |
| M Chlorobenzene-d5       | 9.774  | 82.0  | 316399 | 250.0000 | ng | 0.003  |
| M 1,4-Dichlorobenzene-d4 | 12.100 | 152.0 | 266553 | 250.0000 | ng | 0.000  |

### System Monitoring Compounds

|                         |                      |       |        |                    |    |        |
|-------------------------|----------------------|-------|--------|--------------------|----|--------|
| S Dibromofluoromethane  | 5.845                | 113.0 | 204073 | 259.0223           | ng | 0.000  |
| Spiked Amount: 250.000  | Range: 80.0 - 119.0% |       |        | Recovery = 103.61% |    |        |
| S 1,2-Dichloroethane-d4 | 6.236                | 67.0  | 87876  | 258.2324           | ng | 0.003  |
| Spiked Amount: 250.000  | Range: 81.0 - 118.0% |       |        | Recovery = 103.29% |    |        |
| S Toluene-d8            | 8.319                | 98.0  | 823306 | 270.0265           | ng | 0.000  |
| Spiked Amount: 250.000  | Range: 89.0 - 112.0% |       |        | Recovery = 108.01% |    |        |
| S p-Bromofluorobenzene  | 10.951               | 95.0  | 261042 | 267.3186           | ng | -0.003 |
| Spiked Amount: 250.000  | Range: 85.0 - 114.0% |       |        | Recovery = 106.93% |    |        |

### Target Compounds

| Compound                         | RT    | QIon  | Resp.  | Conc.     | Units | QValue |
|----------------------------------|-------|-------|--------|-----------|-------|--------|
| T Dichlorodifluoromethane        | 1.241 | 85.0  | 276334 | 252.1559  | ng    | 99     |
| T Chloromethane                  | 1.408 | 50.0  | 319523 | 240.2183  | ng    | 99     |
| T Vinyl chloride                 | 1.498 | 62.0  | 297604 | 248.6532  | ng    | 86     |
| T Bromomethane                   | 1.799 | 96.0  | 134737 | 251.7606  | ng    | 97     |
| T Chloroethane                   | 1.894 | 64.0  | 137312 | 231.7432  | ng    | 98     |
| T Trichlorofluoromethane         | 2.145 | 101.0 | 384837 | 259.0502  | ng    | 98     |
| T 1,1-Dichloroethene             | 2.702 | 96.0  | 217406 | 258.0903  | ng    | 99     |
| T Methylene chloride             | 3.333 | 49.0  | 292397 | 235.4657  | ng    | 99     |
| T trans-1,2-Dichloroethene       | 3.715 | 96.0  | 218855 | 254.6608  | ng    | 99     |
| T Methyl tert-butyl ether (MTBE) | 3.751 | 73.0  | 287653 | 258.9535  | ng    | 99     |
| T 1,1-Dichloroethane             | 4.384 | 63.0  | 413408 | 258.4325  | ng    | 99     |
| T 2,2-Dichloropropane            | 5.190 | 77.0  | 303307 | 253.0397  | ng    | 99     |
| T cis-1,2-Dichloroethene         | 5.215 | 96.0  | 228170 | 261.8706  | ng    | 96     |
| T Methyl ethyl ketone            | 5.279 | 43.0  | 317271 | 2688.2474 | ng    | 99     |
| T Bromochloromethane             | 5.519 | 128.0 | 89178  | 247.0586  | ng    | 95     |
| T Chloroform                     | 5.653 | 83.0  | 394946 | 248.0804  | ng    | 99     |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.   | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|---------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.831  | 97.0  | 386005  | 258.7228 | ng    | 99       |
| T Carbon tetrachloride      | 6.026  | 117.0 | 383485  | 260.8774 | ng    | 99       |
| T 1,1-Dichloropropene       | 6.038  | 75.0  | 335741  | 264.6638 | ng    | 99       |
| T Benzene                   | 6.280  | 78.0  | 857534  | 257.5416 | ng    | 100      |
| T 1,2-Dichloroethane        | 6.322  | 62.0  | 226964  | 251.9675 | ng    | 99       |
| T Trichloroethene           | 7.030  | 95.0  | 250285  | 262.2931 | ng    | 100      |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 213800  | 254.7161 | ng    | 100      |
| T Dibromomethane            | 7.396  | 93.0  | 89483   | 252.2734 | ng    | 97       |
| T Bromodichloromethane      | 7.582  | 83.0  | 251805  | 257.2286 | ng    | 100      |
| T cis-1,3-Dichloropropene   | 8.057  | 75.0  | 293617  | 265.2863 | ng    | 99       |
| T Toluene                   | 8.386  | 92.0  | 541945  | 263.1330 | ng    | 100      |
| T trans-1,3-Dichloropropene | 8.639  | 75.0  | 207833  | 263.8027 | ng    | 98       |
| T 1,1,2-Trichloroethane     | 8.815  | 83.0  | 101888  | 248.2882 | ng    | 99       |
| T Tetrachloroethene         | 8.938  | 163.8 | 218245  | 259.7419 | ng    | 98       |
| T 1,3-Dichloropropane       | 8.980  | 76.0  | 212669  | 263.4754 | ng    | 98       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 165695  | 258.3535 | ng    | 100      |
| T 1,2-Dibromoethane         | 9.306  | 107.0 | 115714  | 257.8887 | ng    | 100      |
| T Chlorobenzene             | 9.802  | 112.0 | 582326  | 258.2544 | ng    | 100      |
| T 1,1,1,2-Tetrachloroethane | 9.891  | 131.0 | 200859  | 254.8274 | ng    | 100      |
| T Ethylbenzene              | 9.919  | 91.0  | 1043443 | 266.8193 | ng    | 100      |
| T m+p-Xylenes               | 10.039 | 106.0 | 825866  | 543.4262 | ng    | 100      |
| T o-Xylene                  | 10.430 | 106.0 | 365914  | 270.4636 | ng    | 100      |
| T Styrene                   | 10.446 | 104.0 | 605646  | 278.0455 | ng    | 99       |
| T Bromoform                 | 10.628 | 172.5 | 87836   | 257.5099 | ng    | 100      |
| T Bromobenzene              | 11.093 | 156.0 | 227127  | 263.2944 | ng    | 99       |
| T 1,1,2,2-Tetrachloroethane | 11.113 | 83.0  | 124205  | 250.1577 | ng    | 97       |
| T 1,2,3-Trichloropropane    | 11.152 | 110.0 | 33115   | 249.2635 | ng    | 97       |
| T 2-Chlorotoluene           | 11.291 | 126.0 | 229396  | 267.2616 | ng    | 99       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 748435  | 267.4409 | ng    | 99       |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 406895  | 258.6297 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.122 | 146.0 | 408934  | 254.9170 | ng    | 98       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 342576  | 257.6524 | ng    | 99       |

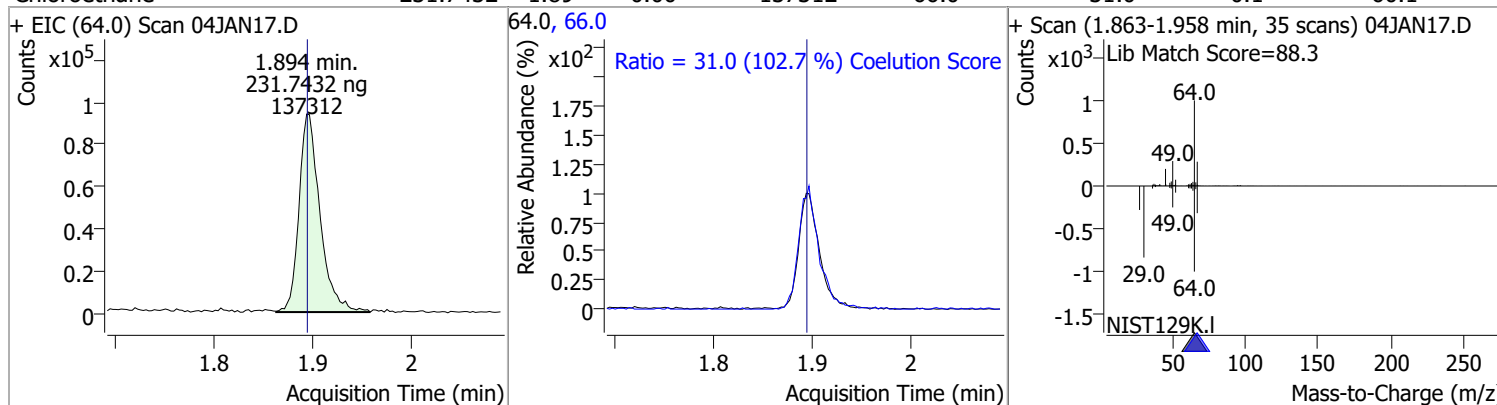
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

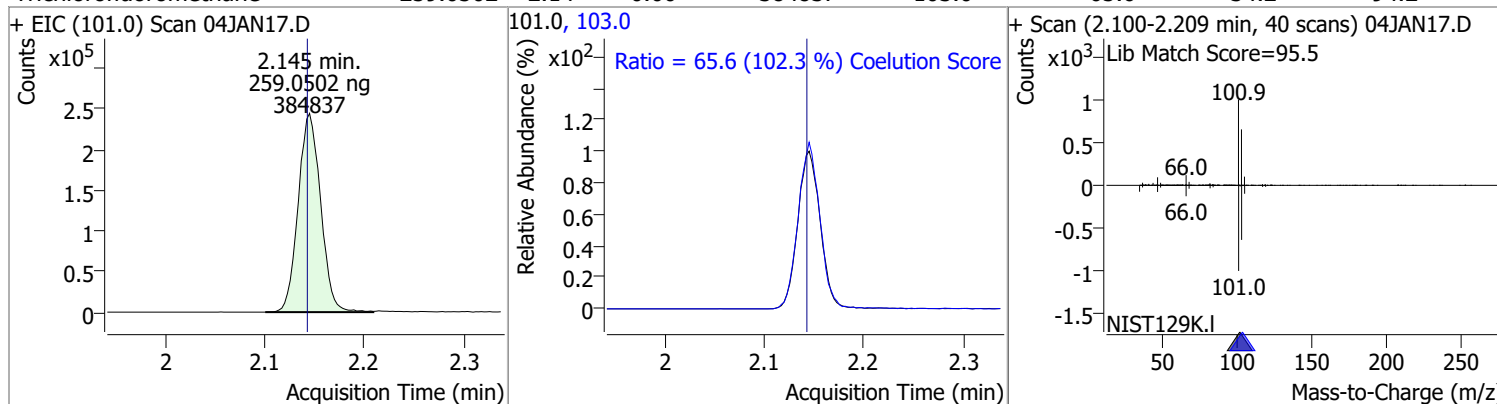
| Compound                    | Conc.    | RT   | Dev(Min)   | Resp.  | QIon | QRatio                                       | Lower | Upper |
|-----------------------------|----------|------|------------|--------|------|--|-------|-------|
| Dichlorodifluoromethane     | 252.1559 | 1.24 | 0.00       | 276334 | 87.0 | 31.6   | 2.3   | 62.3  |
| + EIC (85.0) Scan 04JAN17.D |          |      | 85.0, 87.0 |        |      | + Scan (1.216-1.344 min, 47 scans) 04JAN17.D |       |       |
|                             |          |      |            |        |      |  |       |       |
| Chloromethane               | 240.2183 | 1.41 | 0.00       | 319523 | 52.0 | 32.9   | 2.1   | 62.1  |
| + EIC (50.0) Scan 04JAN17.D |          |      | 50.0, 52.0 |        |      | + Scan (1.367-1.537 min, 62 scans) 04JAN17.D |       |       |
|                             |          |      |            |        |      |  |       |       |
| Vinyl chloride              | 248.6532 | 1.50 | 0.00       | 297604 | 64.0 | 37.7   | 0.0   | 59.9  |
| + EIC (62.0) Scan 04JAN17.D |          |      | 62.0, 64.0 |        |      | + Scan (1.467-1.615 min, 54 scans) 04JAN17.D |       |       |
|                             |          |      |            |        |      |  |       |       |
| Bromomethane                | 251.7606 | 1.80 | 0.00       | 134737 | 94.0 | 107.5  | 74.6  | 134.6 |
| + EIC (96.0) Scan 04JAN17.D |          |      | 96.0, 94.0 |        |      | + Scan (1.760-1.919 min, 58 scans) 04JAN17.D |       |       |
|                             |          |      |            |        |      |  |       |       |

# Quantitation Results Report (QT Reviewed)

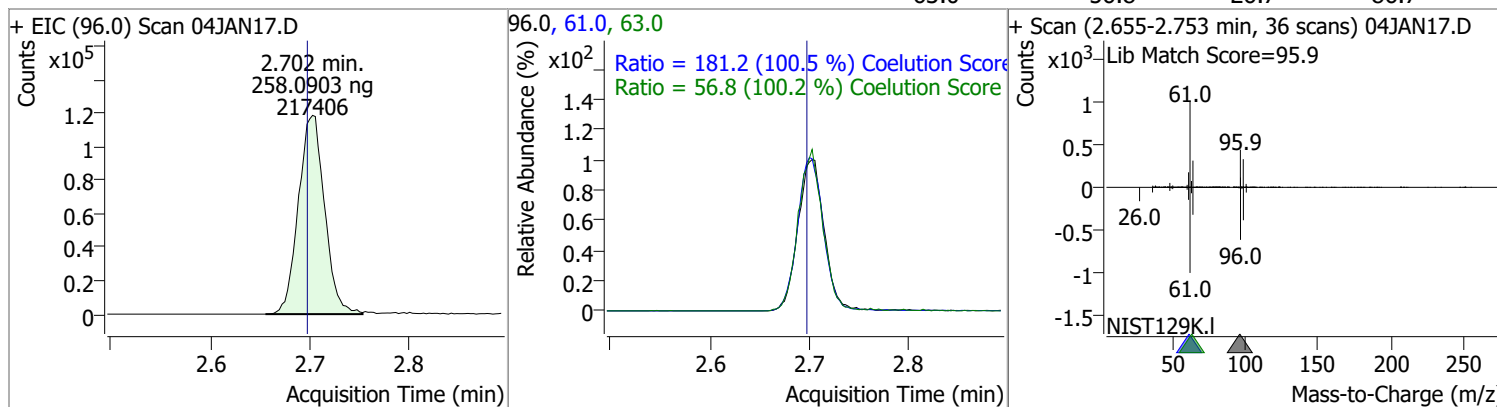
| Compound     | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroethane | 231.7432 | 1.89 | 0.00     | 137312 | 66.0 | 31.0   | 0.1   | 60.1  |



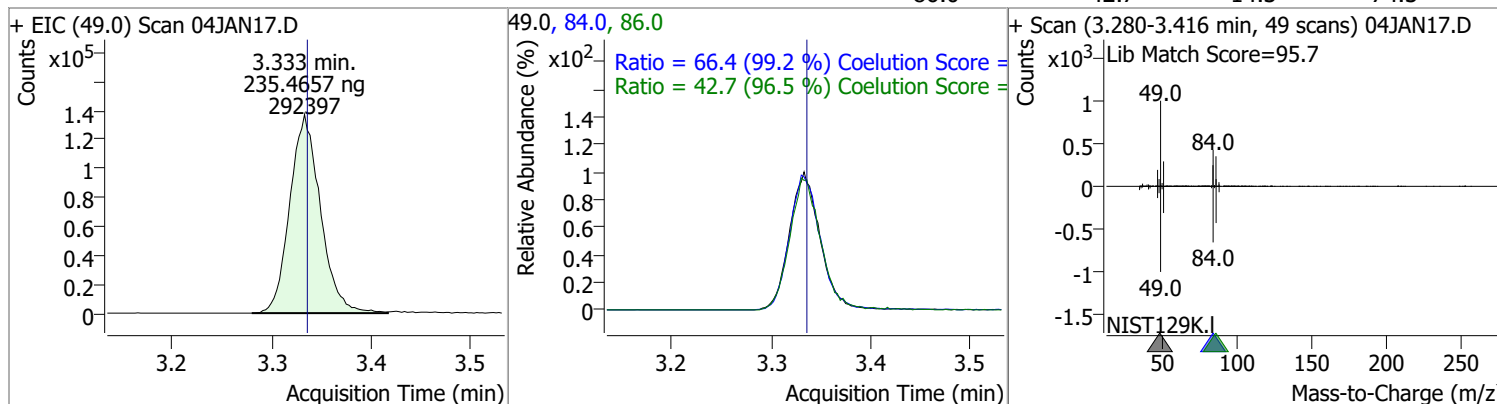
|                        |          |      |      |        |       |      |      |      |
|------------------------|----------|------|------|--------|-------|------|------|------|
| Trichlorofluoromethane | 259.0502 | 2.14 | 0.00 | 384837 | 103.0 | 65.6 | 34.2 | 94.2 |
|------------------------|----------|------|------|--------|-------|------|------|------|



|                    |          |      |      |        |      |       |       |       |
|--------------------|----------|------|------|--------|------|-------|-------|-------|
| 1,1-Dichloroethene | 258.0903 | 2.70 | 0.01 | 217406 | 61.0 | 181.2 | 150.3 | 210.3 |
|                    |          |      |      |        | 63.0 | 56.8  | 26.7  | 86.7  |

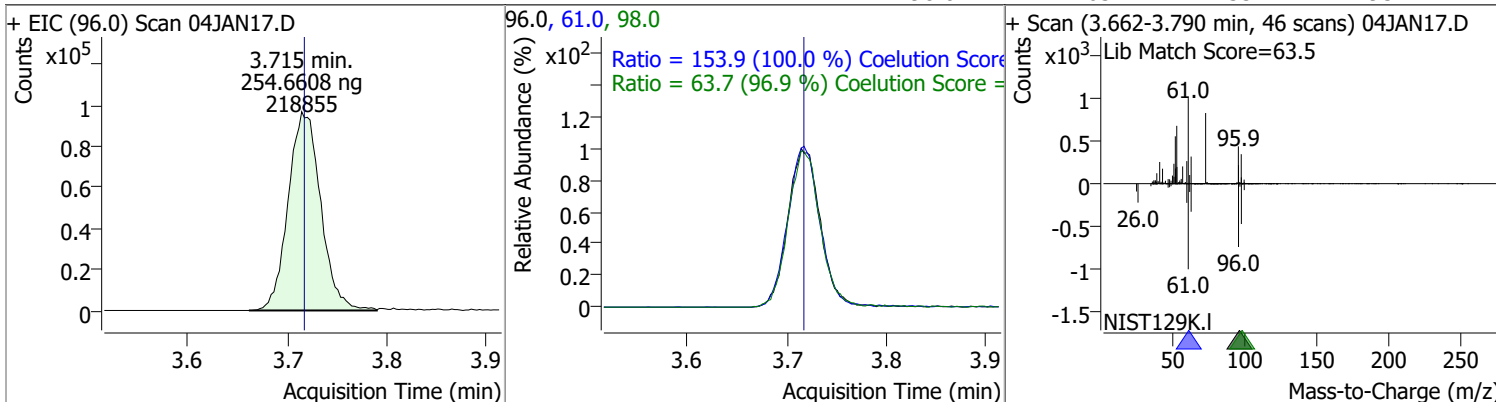


|                    |          |      |      |        |      |      |      |      |
|--------------------|----------|------|------|--------|------|------|------|------|
| Methylene chloride | 235.4657 | 3.33 | 0.00 | 292397 | 84.0 | 66.4 | 36.9 | 96.9 |
|                    |          |      |      |        | 86.0 | 42.7 | 14.3 | 74.3 |

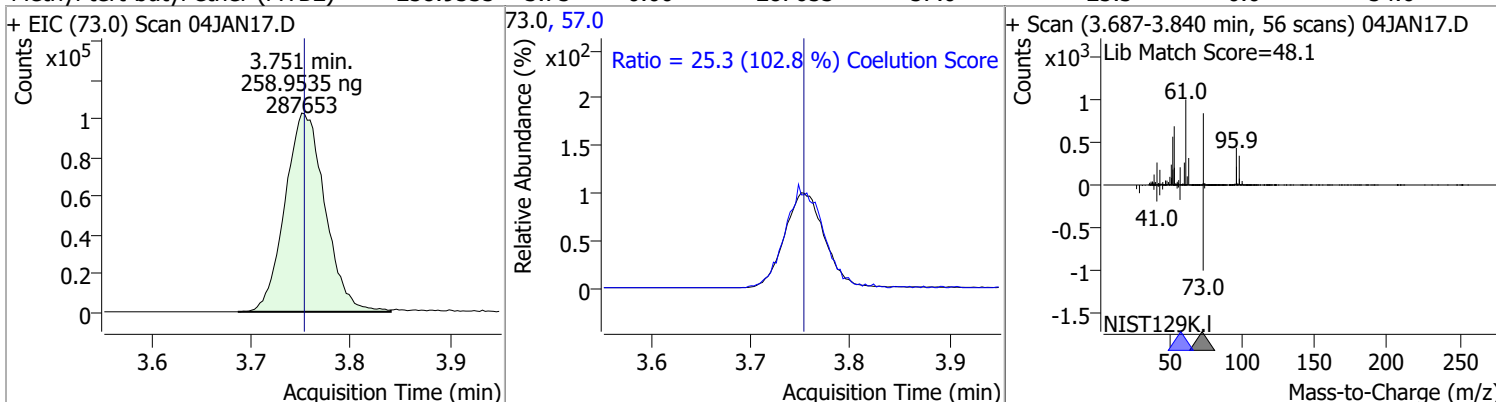


# Quantitation Results Report (QT Reviewed)

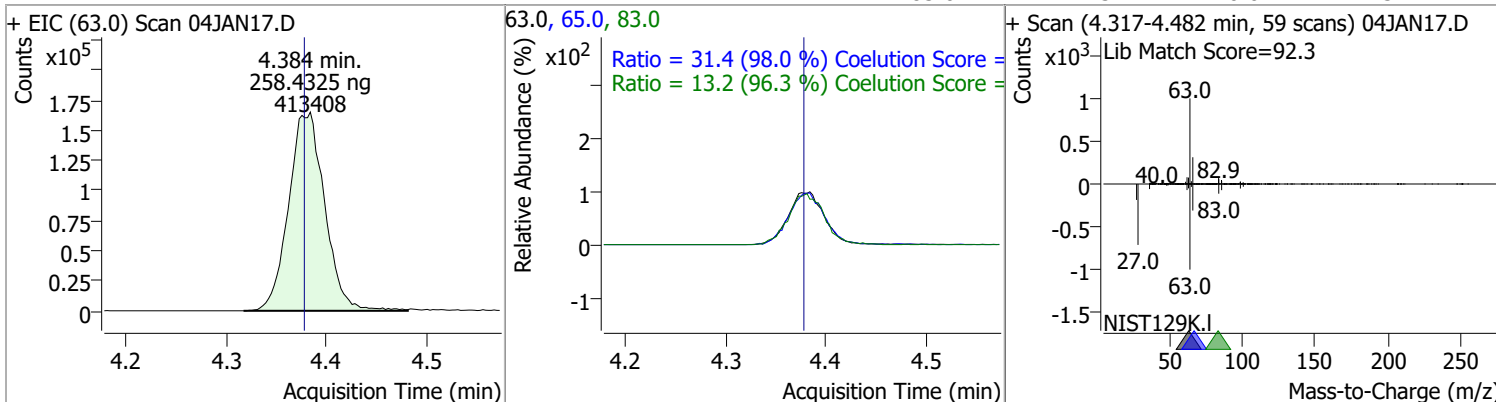
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 254.6608 | 3.71 | 0.00     | 218855 | 61.0 | 153.9  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 63.7   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 258.9535 | 3.75 | 0.00     | 287653 | 57.0 | 25.3   | 0.0   | 54.6  |



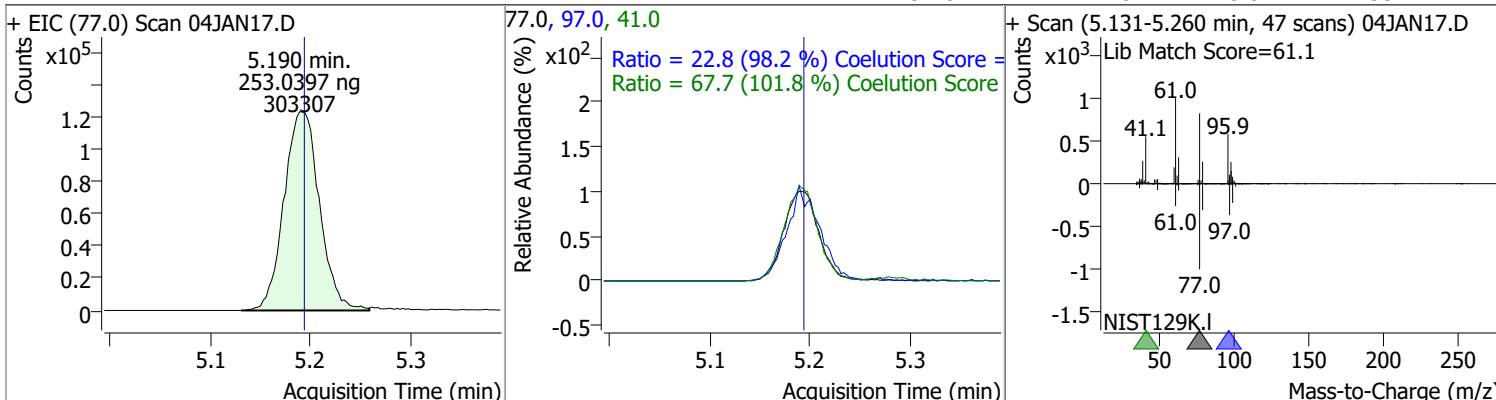
| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 258.4325 | 4.38 | 0.01     | 413408 | 65.0 | 31.4   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 13.2   | 0.0   | 43.7  |



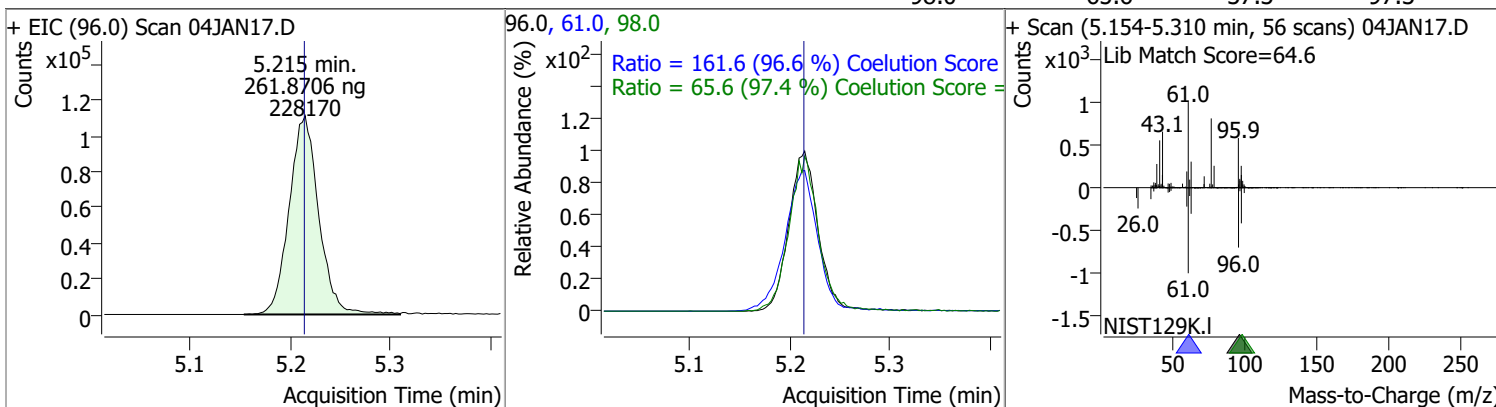


# Quantitation Results Report (QT Reviewed)

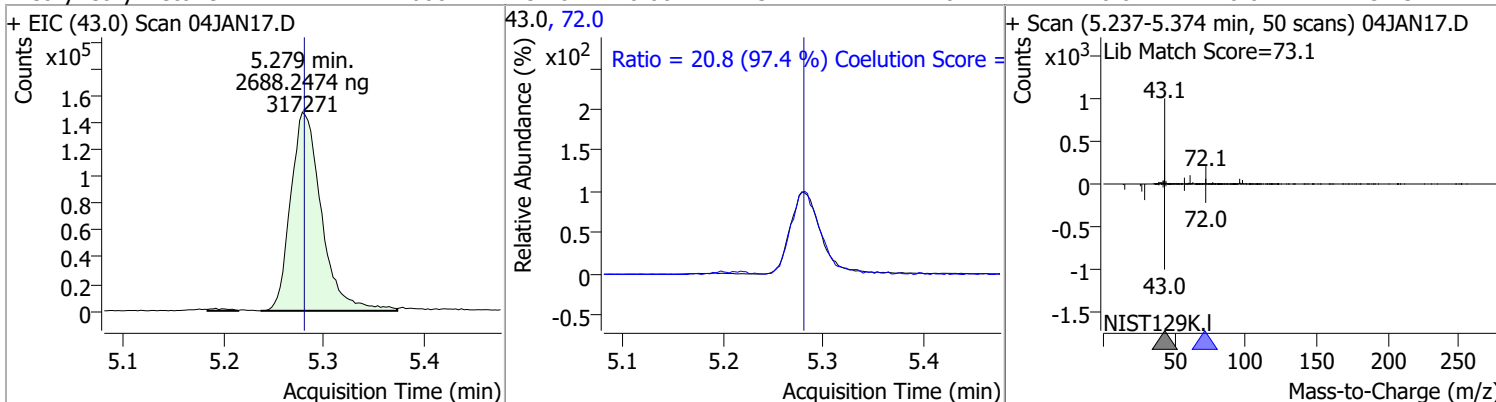
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 253.0397 | 5.19 | -0.01    | 303307 | 41.0 | 67.7   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 22.8   | 0.0   | 53.2  |



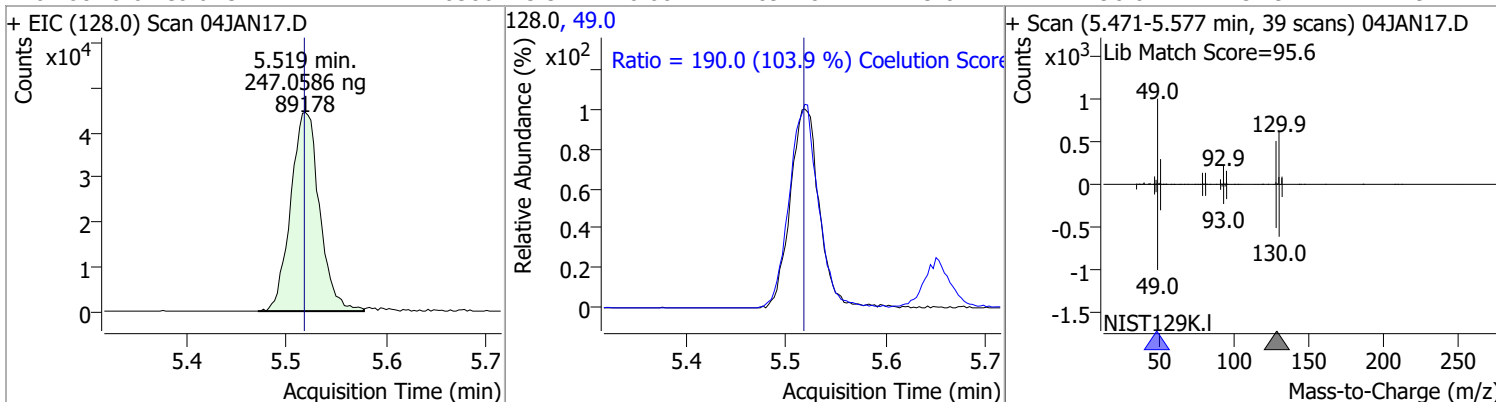
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 261.8706 | 5.21 | 0.00     | 228170 | 61.0 | 161.6  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 65.6   | 37.3  | 97.3  |



| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 2688.2474 | 5.28 | 0.00     | 317271 | 72.0 | 20.8   | 0.0   | 51.3  |

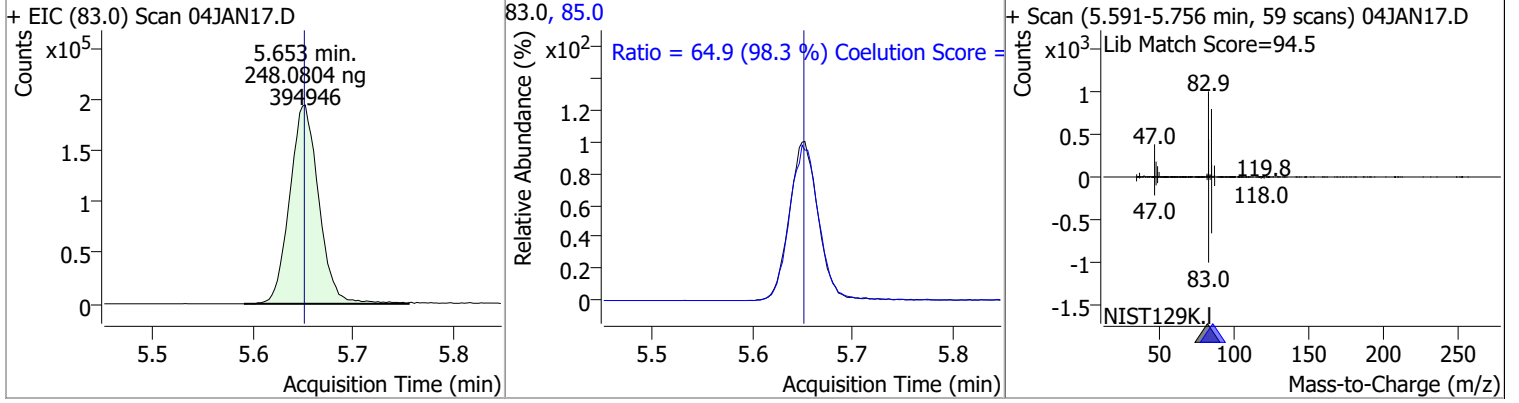


| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 247.0586 | 5.52 | 0.00     | 89178 | 49.0 | 190.0  | 152.9 | 212.9 |

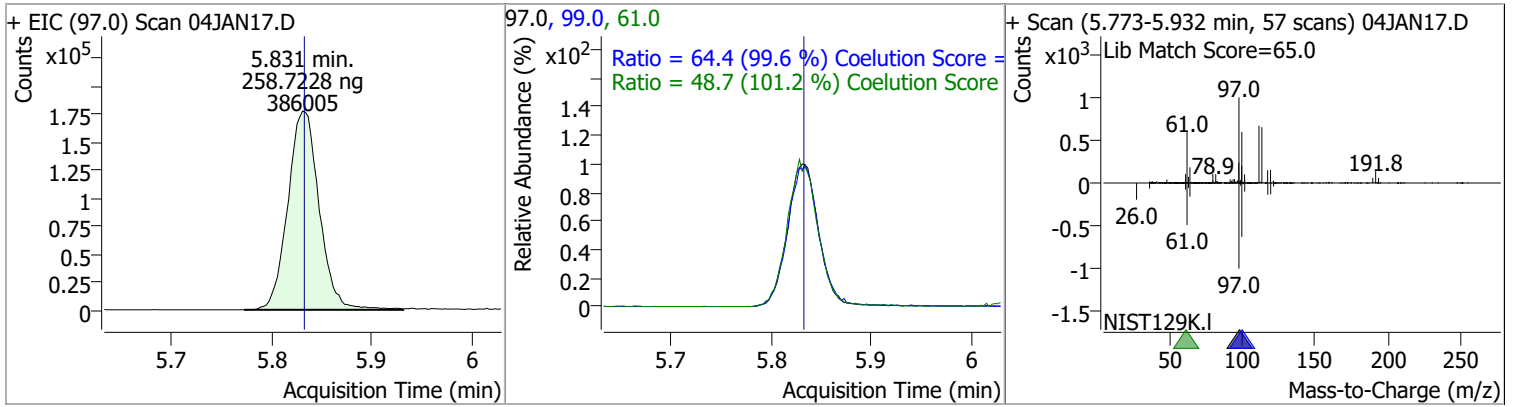


# Quantitation Results Report (QT Reviewed)

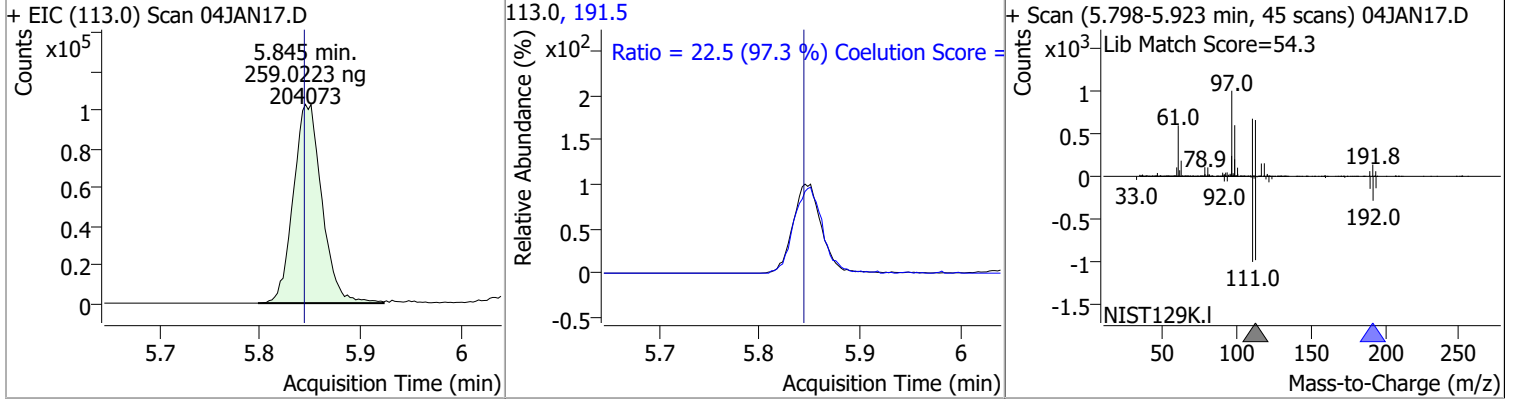
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroform | 248.0804 | 5.65 | 0.00     | 394946 | 85.0 | 64.9   | 36.0  | 96.0  |



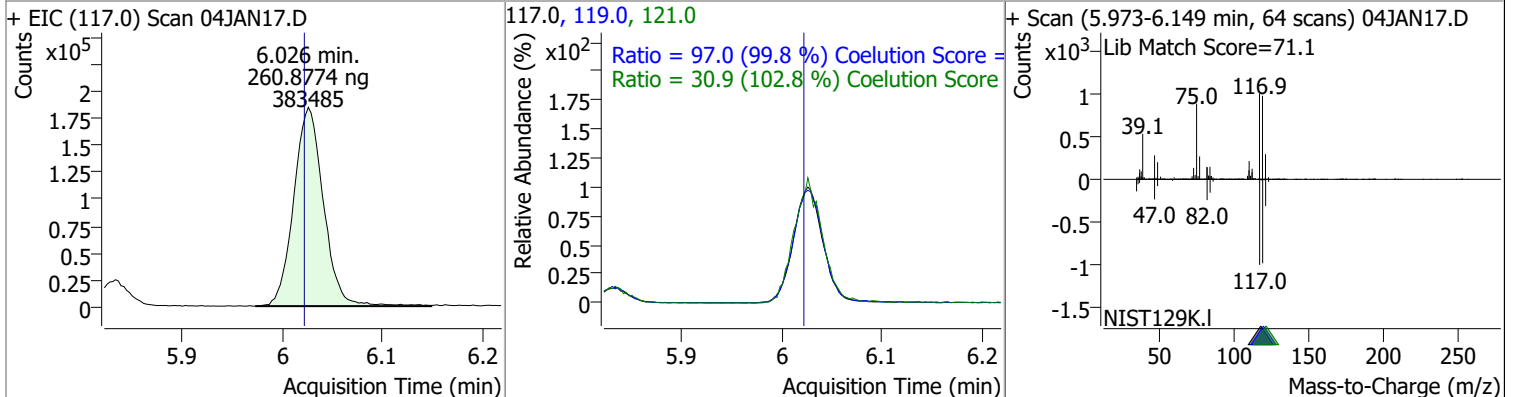
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 258.7228 | 5.83 | 0.00     | 386005 | 99.0 | 64.4   | 34.7  | 94.7  |
|                       |          |      |          |        | 61.0 | 48.7   | 18.1  | 78.1  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromofluoromethane | 259.0223 | 5.85 | 0.00     | 204073 | 191.5 | 22.5   | 0.0   | 53.1  |

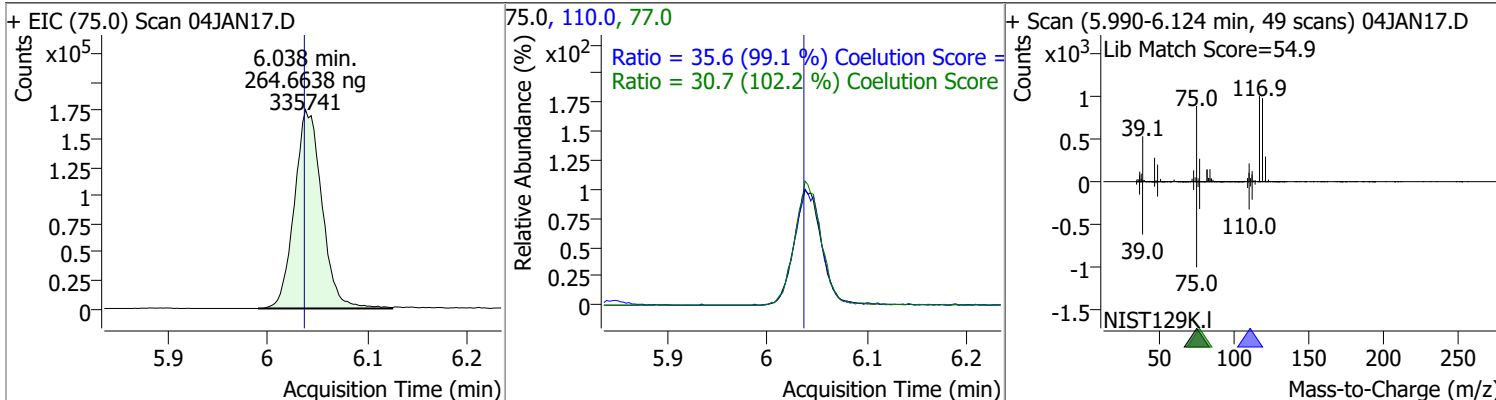


| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Carbon tetrachloride | 260.8774 | 6.03 | 0.00     | 383485 | 119.0 | 97.0   | 67.2  | 127.2 |
|                      |          |      |          |        | 121.0 | 30.9   | 0.1   | 60.1  |

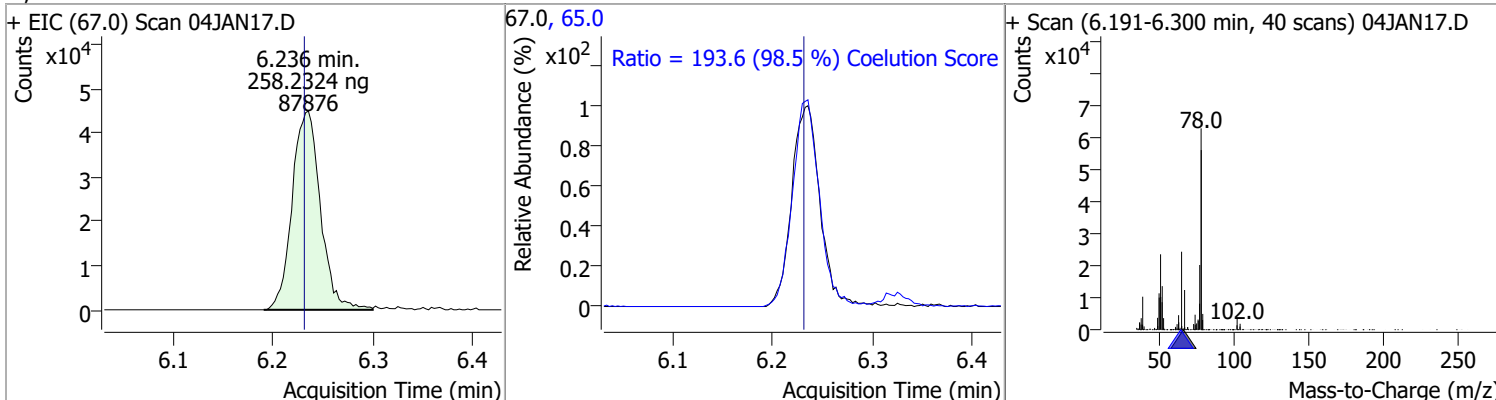


# Quantitation Results Report (QT Reviewed)

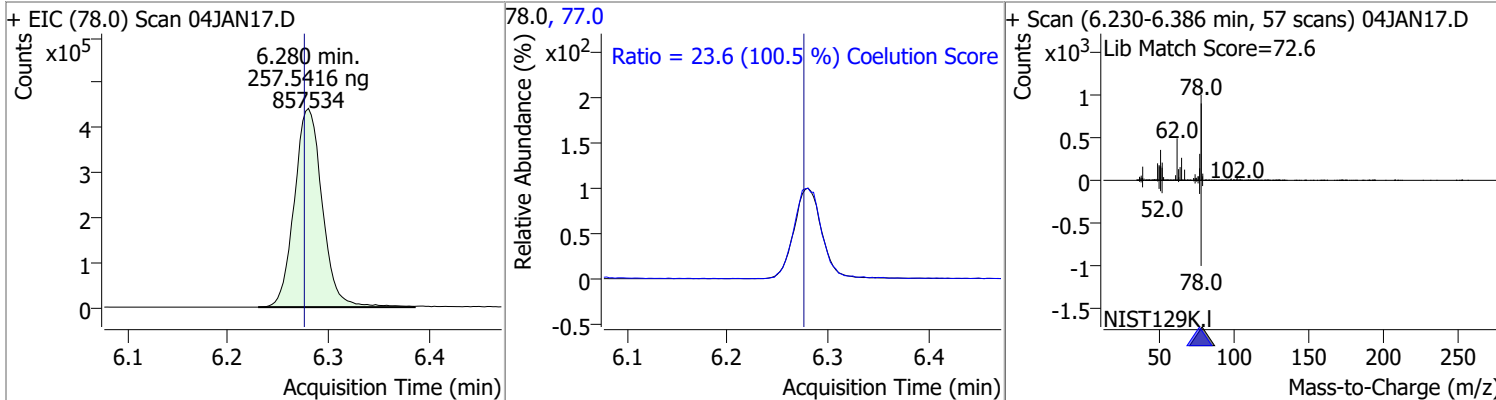
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 264.6638 | 6.04 | 0.00     | 335741 | 110.0 | 35.6   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.7   | 0.1   | 60.1  |



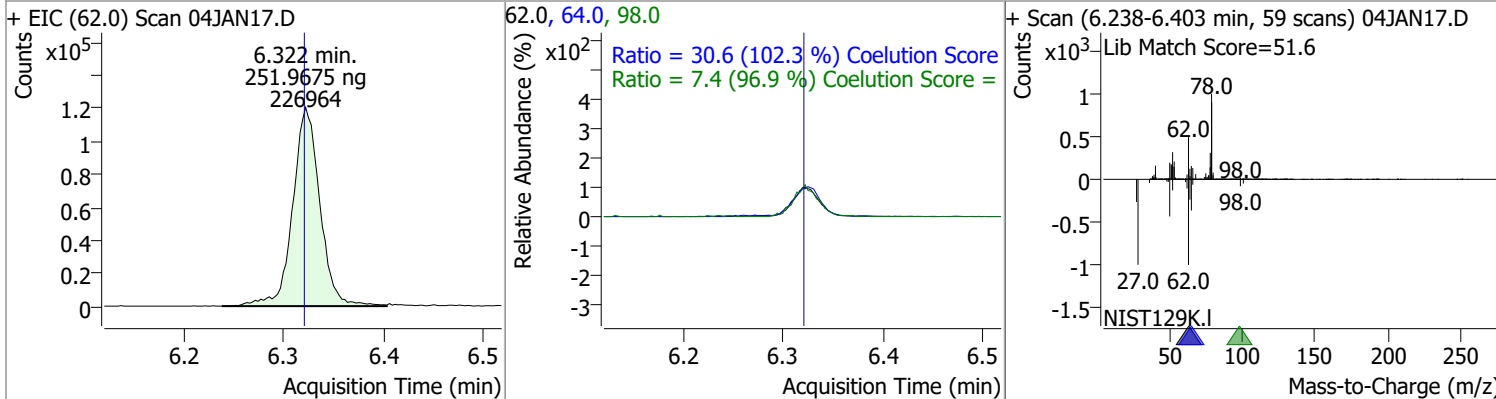
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 258.2324 | 6.24 | 0.00     | 87876 | 65.0 | 193.6  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 257.5416 | 6.28 | 0.00     | 857534 | 77.0 | 23.6   | 0.0   | 53.5  |

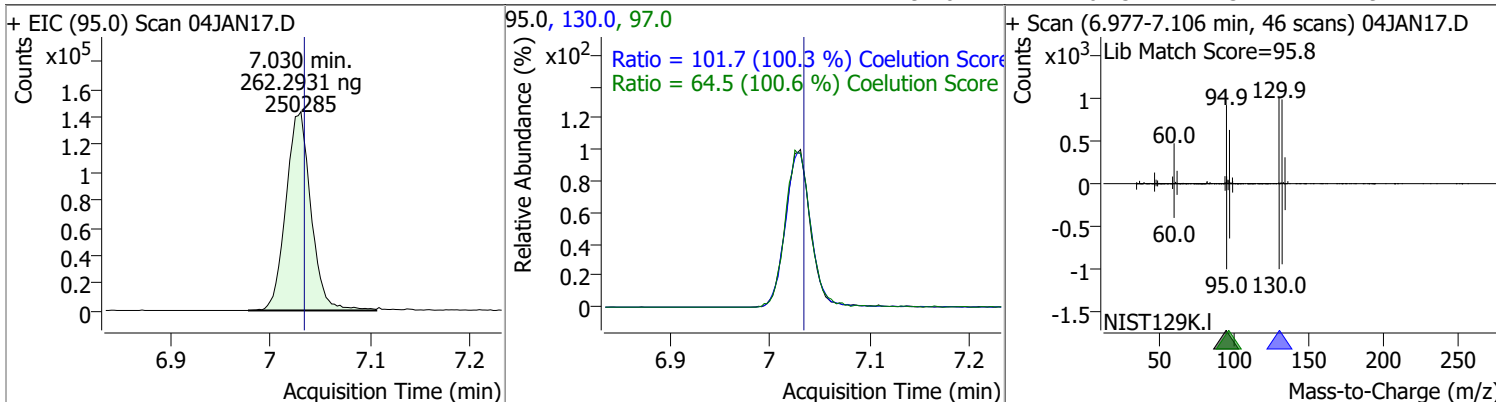


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 251.9675 | 6.32 | 0.00     | 226964 | 64.0 | 30.6   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 7.4    | 0.0   | 37.6  |

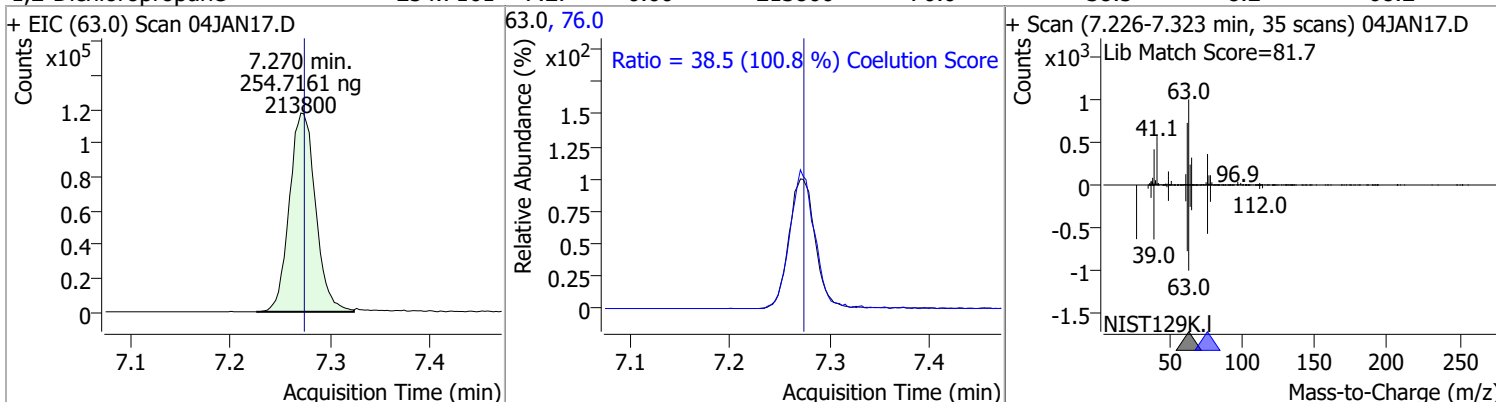


# Quantitation Results Report (QT Reviewed)

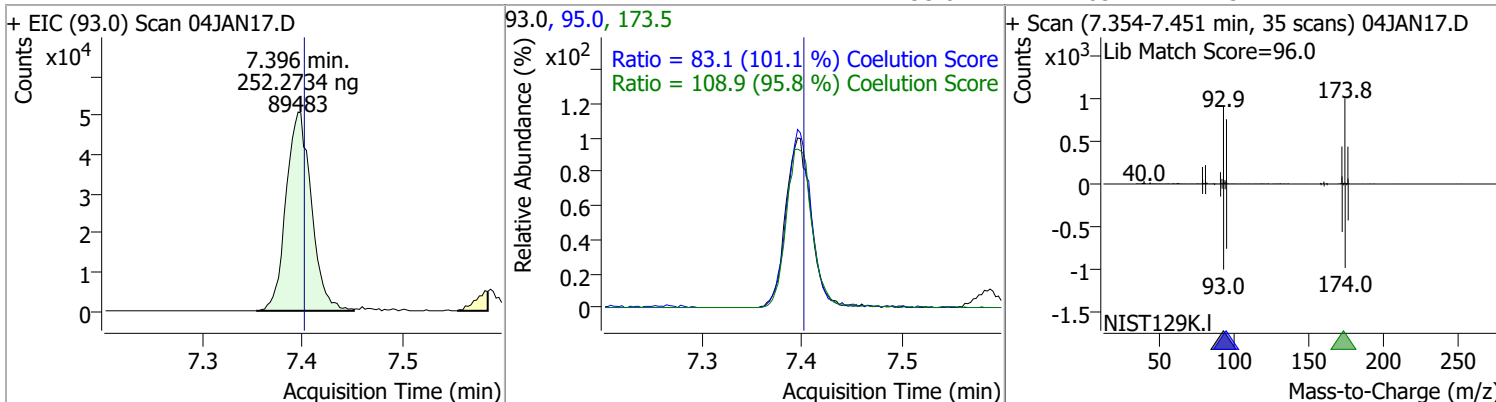
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 262.2931 | 7.03 | 0.00     | 250285 | 130.0 | 101.7  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 64.5   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloropropane | 254.7161 | 7.27 | 0.00     | 213800 | 76.0 | 38.5   | 8.2   | 68.2  |

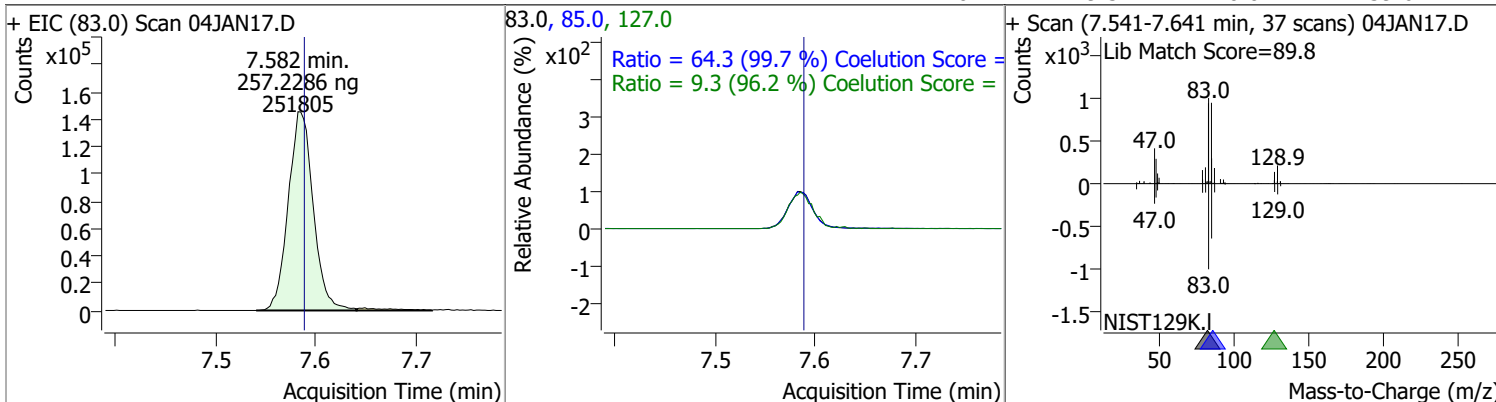


| Compound       | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 252.2734 | 7.40 | 0.00     | 89483 | 173.5 | 108.9  | 83.7  | 143.7 |
|                |          |      |          |       | 95.0  | 83.1   | 52.2  | 112.2 |

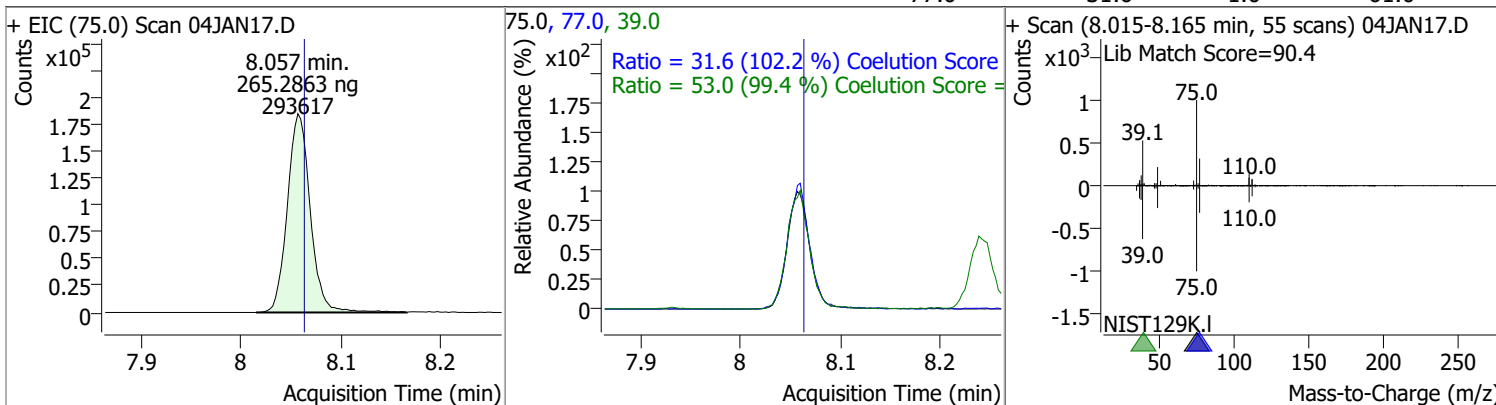


# Quantitation Results Report (QT Reviewed)

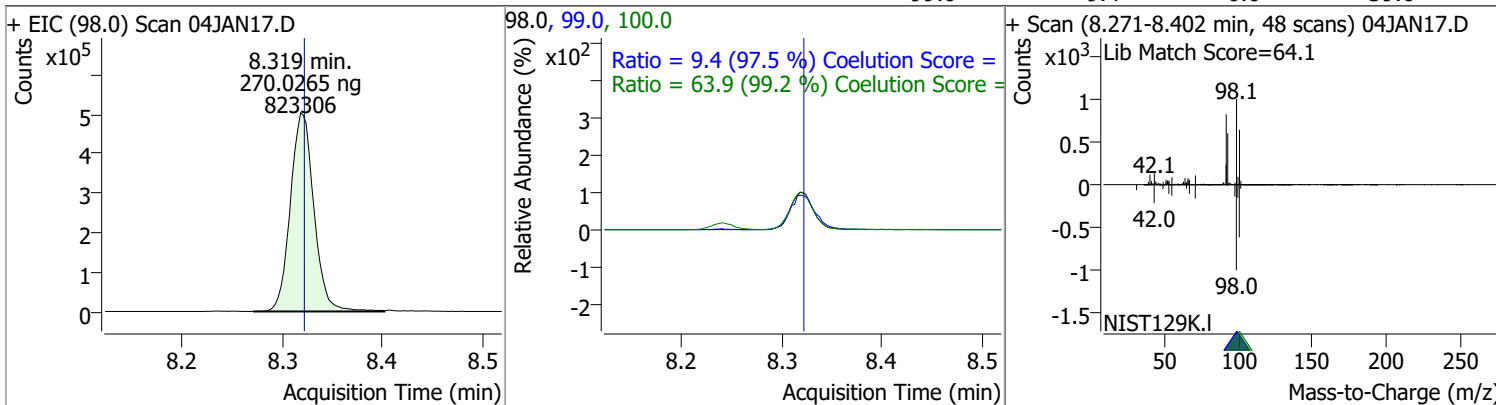
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 257.2286 | 7.58 | 0.00     | 251805 | 85.0  | 64.3   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.3    | 0.0   | 39.6  |



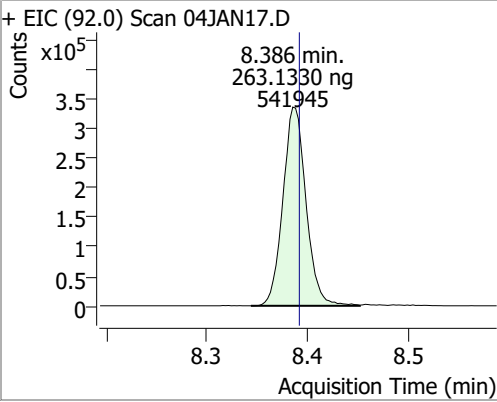
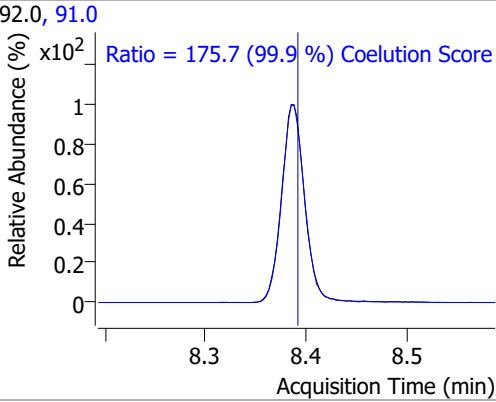
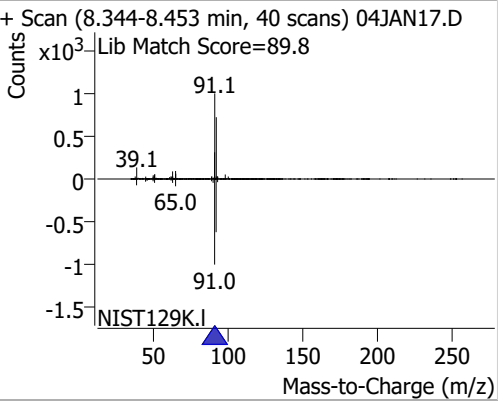
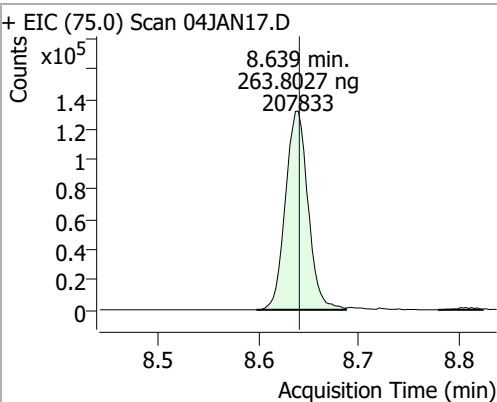
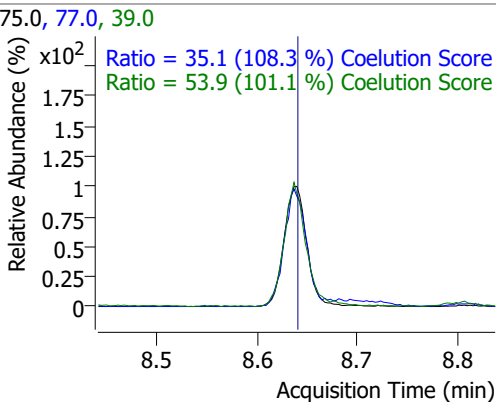
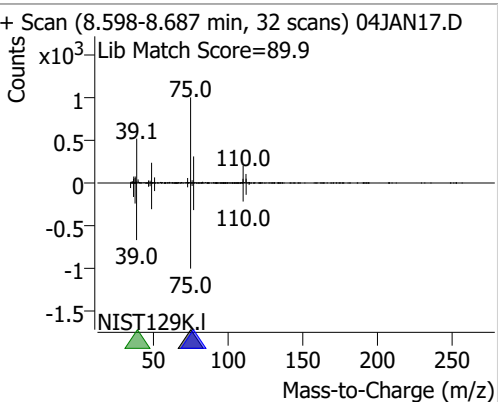
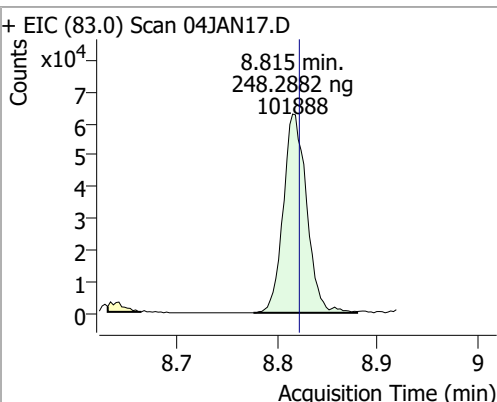
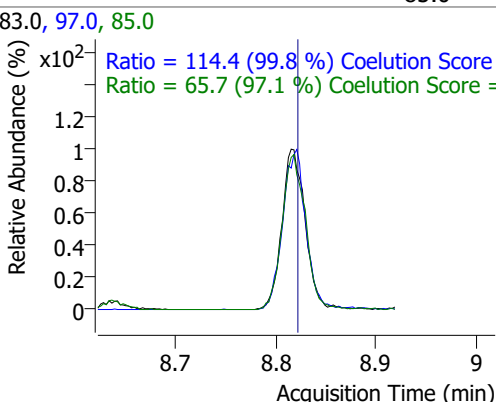
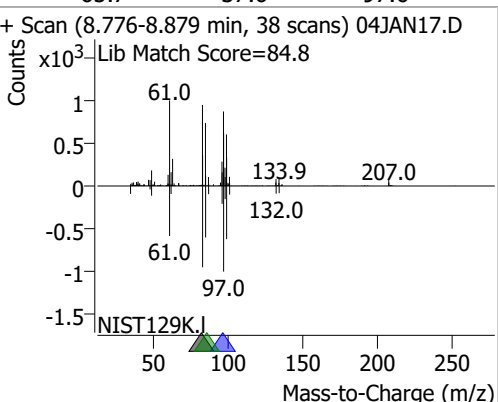
| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 265.2863 | 8.06 | 0.00     | 293617 | 39.0 | 53.0   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 31.6   | 1.0   | 61.0  |



| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 270.0265 | 8.32 | 0.00     | 823306 | 100.0 | 63.9   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.4    | 0.0   | 39.6  |

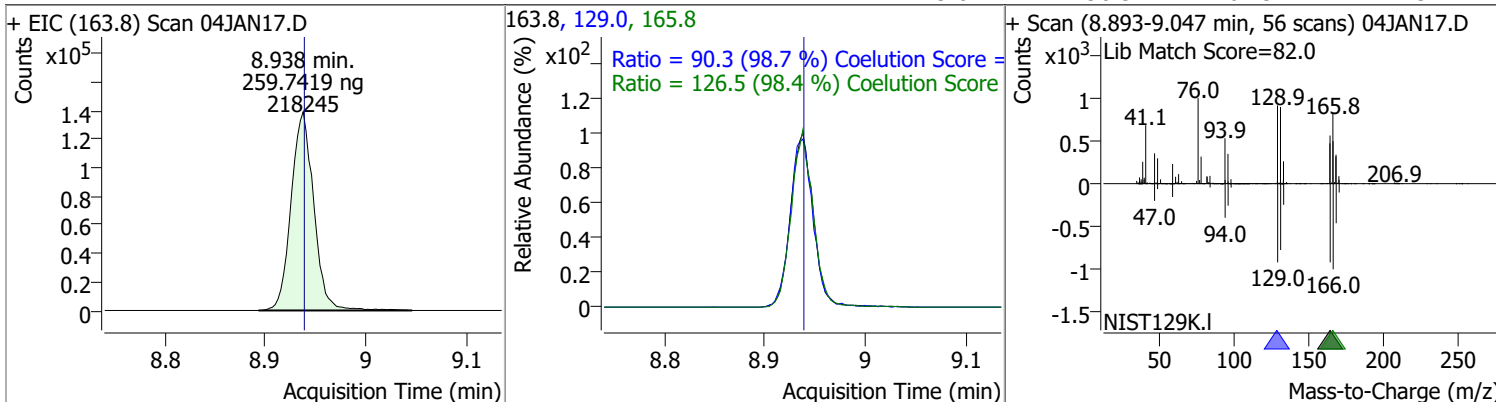


# Quantitation Results Report (QT Reviewed)

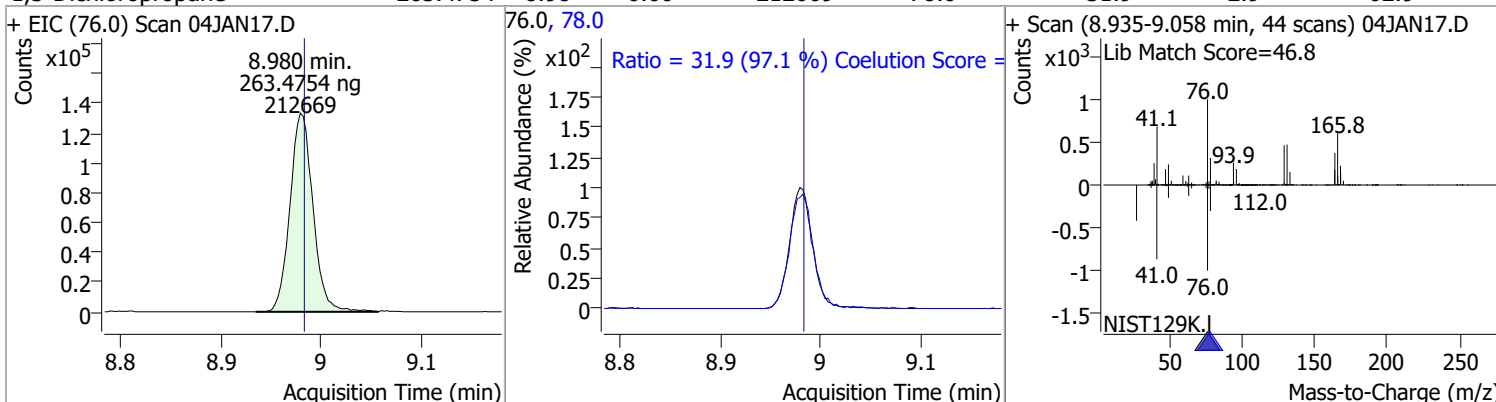
| Compound  | Conc.                               | RT   | Dev(Min)   | Resp.  | QIon | QRatio   | Lower | Upper |
|---|-------------------------------------|------|--|--------|------|--|-------|-------|
| Toluene   | 263.1330                            | 8.39 | 0.00   | 541945 | 91.0 | 175.7  | 145.8 | 205.8 |
| + EIC (92.0) Scan 04JAN17.D   |                                     |      | 92.0, 91.0   |        |      | + Scan (8.344-8.453 min, 40 scans) 04JAN17.D                                     |       |       |
|       | 8.386 min.<br>263.1330 ng<br>541945 |      |    |        |      | Ratio = 175.7 (99.9 %) Coelution Score   |       |       |
|    |                                     |      | Lib Match Score=89.8   |        |      | NIST129K.L   |       |       |
| trans-1,3-Dichloropropene   | 263.8027                            | 8.64 | 0.00   | 207833 | 39.0 | 53.9   | 23.4  | 83.4  |
| + EIC (75.0) Scan 04JAN17.D   |                                     |      | 75.0, 77.0, 39.0   |        |      | + Scan (8.598-8.687 min, 32 scans) 04JAN17.D                                     |       |       |
|      | 8.639 min.<br>263.8027 ng<br>207833 |      |   |        |      | Ratio = 35.1 (108.3 %) Coelution Score<br>Ratio = 53.9 (101.1 %) Coelution Score |       |       |
|   |                                     |      | Lib Match Score=89.9   |        |      | NIST129K.L   |       |       |
| 1,1,2-Trichloroethane   | 248.2882                            | 8.82 | 0.00   | 101888 | 97.0 | 114.4  | 84.6  | 144.6 |
| + EIC (83.0) Scan 04JAN17.D   |                                     |      | 83.0, 97.0, 85.0   |        |      | + Scan (8.776-8.879 min, 38 scans) 04JAN17.D                                     |       |       |
|     | 8.815 min.<br>248.2882 ng<br>101888 |      |  |        |      | Ratio = 114.4 (99.8 %) Coelution Score<br>Ratio = 65.7 (97.1 %) Coelution Score  |       |       |
|  |                                     |      | Lib Match Score=84.8   |        |      | NIST129K.L   |       |       |

# Quantitation Results Report (QT Reviewed)

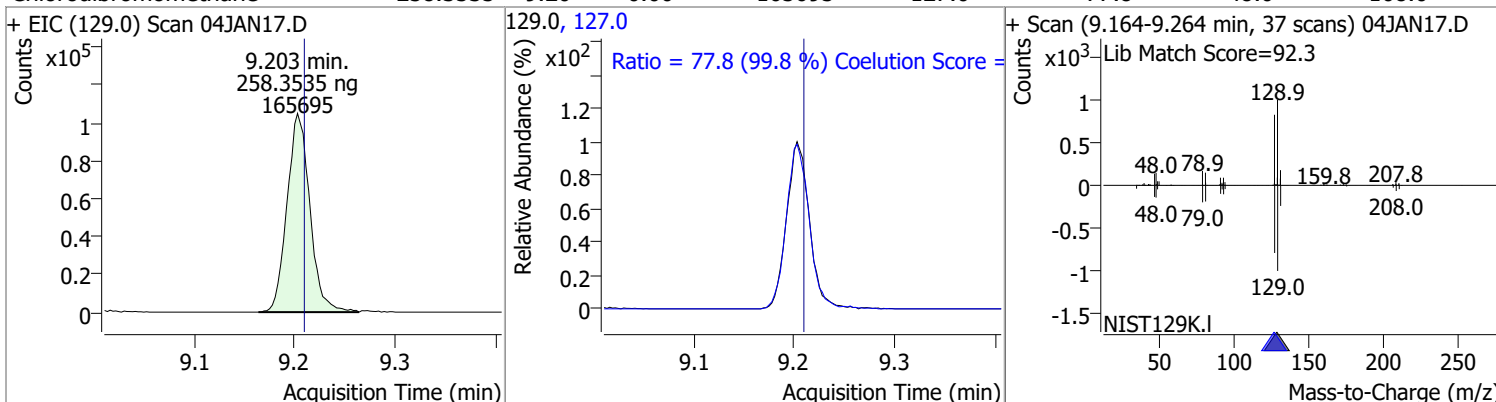
| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Tetrachloroethene | 259.7419 | 8.94 | 0.00     | 218245 | 165.8 | 126.5  | 98.6  | 158.6 |
|                   |          |      |          |        | 129.0 | 90.3   | 61.5  | 121.5 |



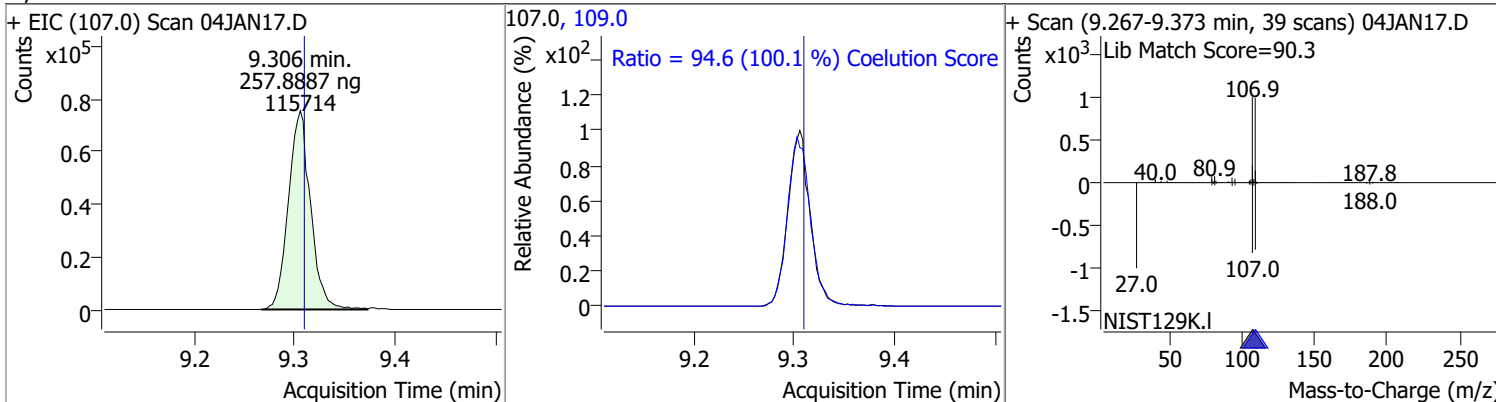
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,3-Dichloropropane | 263.4754 | 8.98 | 0.00     | 212669 | 78.0 | 31.9   | 2.9   | 62.9  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Chlorodibromomethane | 258.3535 | 9.20 | 0.00     | 165695 | 127.0 | 77.8   | 48.0  | 108.0 |



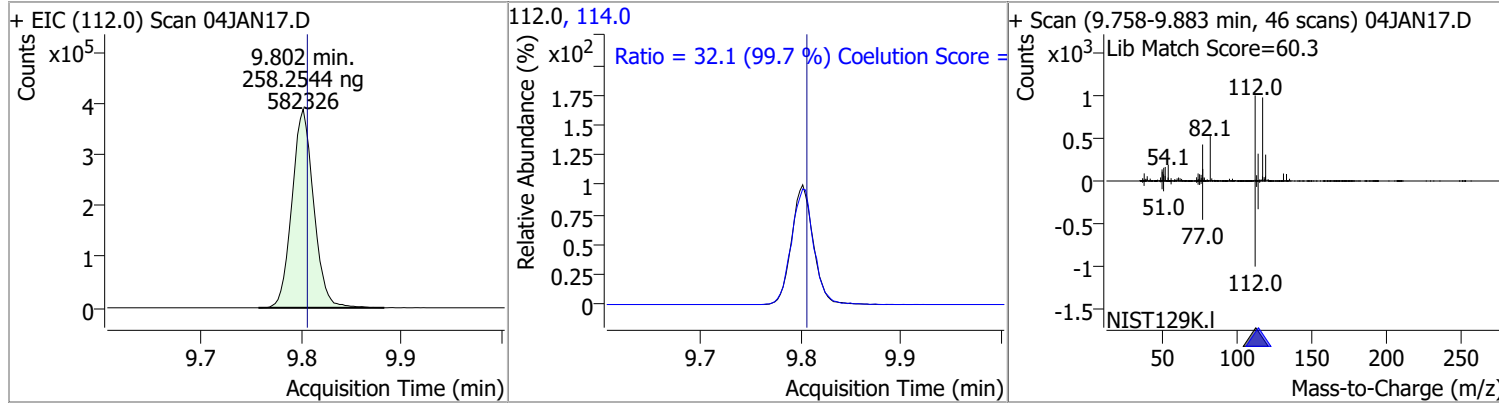
| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 257.8887 | 9.31 | 0.00     | 115714 | 109.0 | 94.6   | 64.5  | 124.5 |



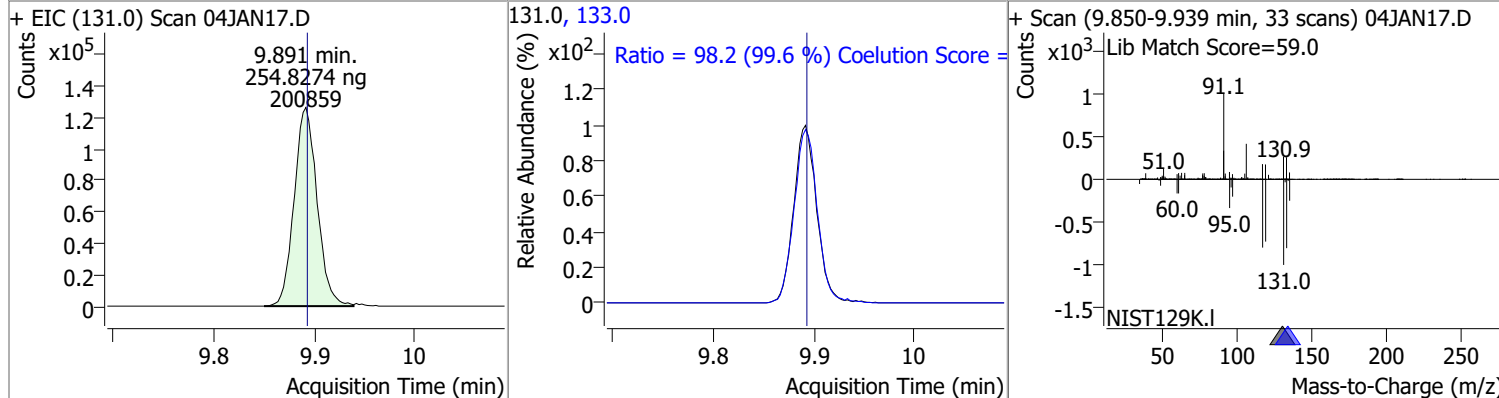


# Quantitation Results Report (QT Reviewed)

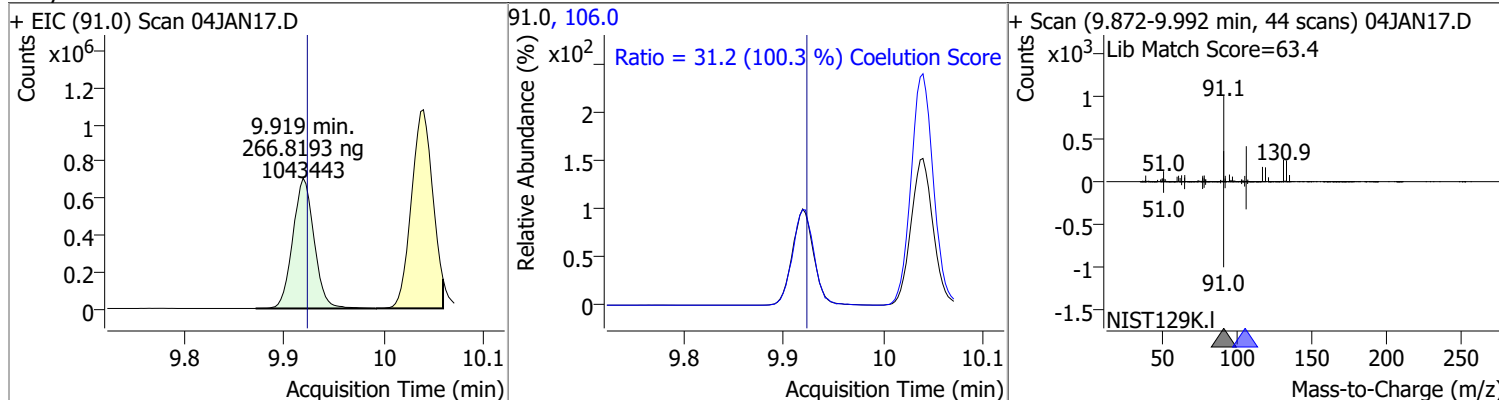
| Compound      | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------|----------|------|----------|--------|-------|--------|-------|-------|
| Chlorobenzene | 258.2544 | 9.80 | 0.00     | 582326 | 114.0 | 32.1   | 2.1   | 62.1  |



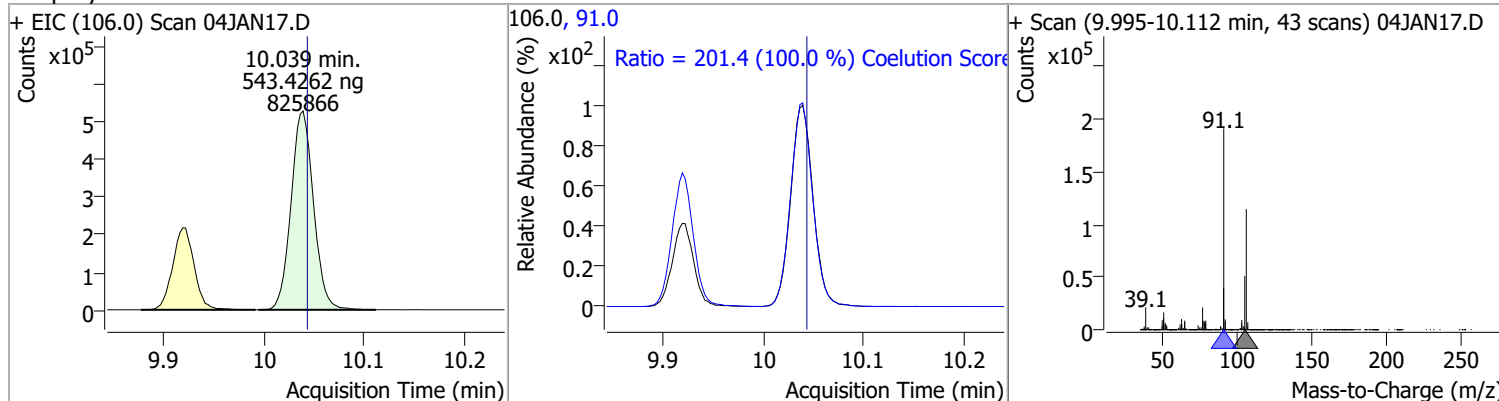
| Compound                  | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1,1,2-Tetrachloroethane | 254.8274 | 9.89 | 0.00     | 200859 | 133.0 | 98.2   | 68.6  | 128.6 |



| Compound     | Conc.    | RT   | Dev(Min) | Resp.   | QIon  | QRatio | Lower | Upper |
|--------------|----------|------|----------|---------|-------|--------|-------|-------|
| Ethylbenzene | 266.8193 | 9.92 | 0.00     | 1043443 | 106.0 | 31.2   | 1.1   | 61.1  |



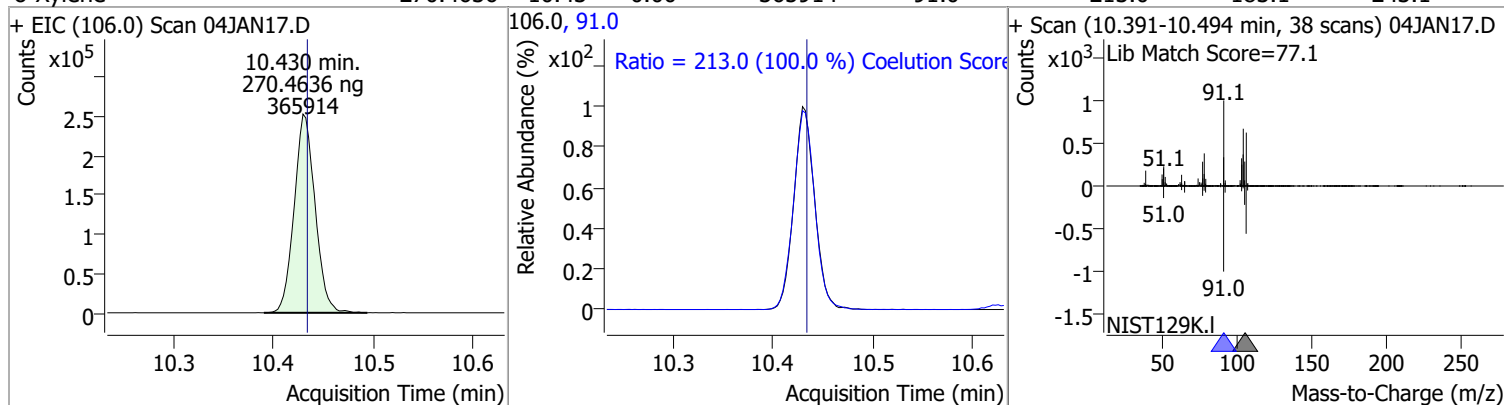
| Compound    | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|----------|-------|----------|--------|------|--------|-------|-------|
| m+p-Xylenes | 543.4262 | 10.04 | 0.00     | 825866 | 91.0 | 201.4  | 171.4 | 231.4 |



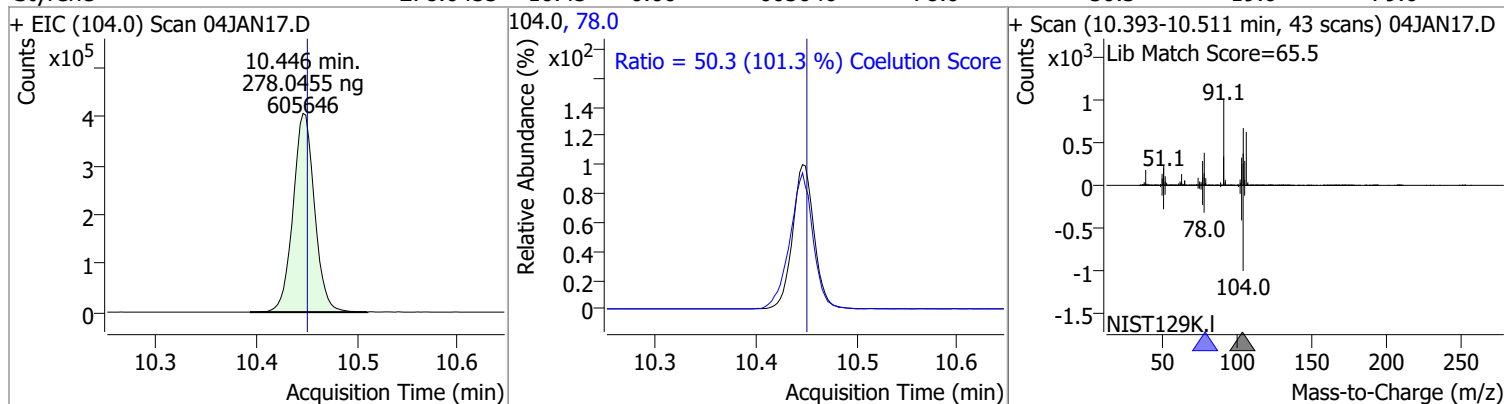


# Quantitation Results Report (QT Reviewed)

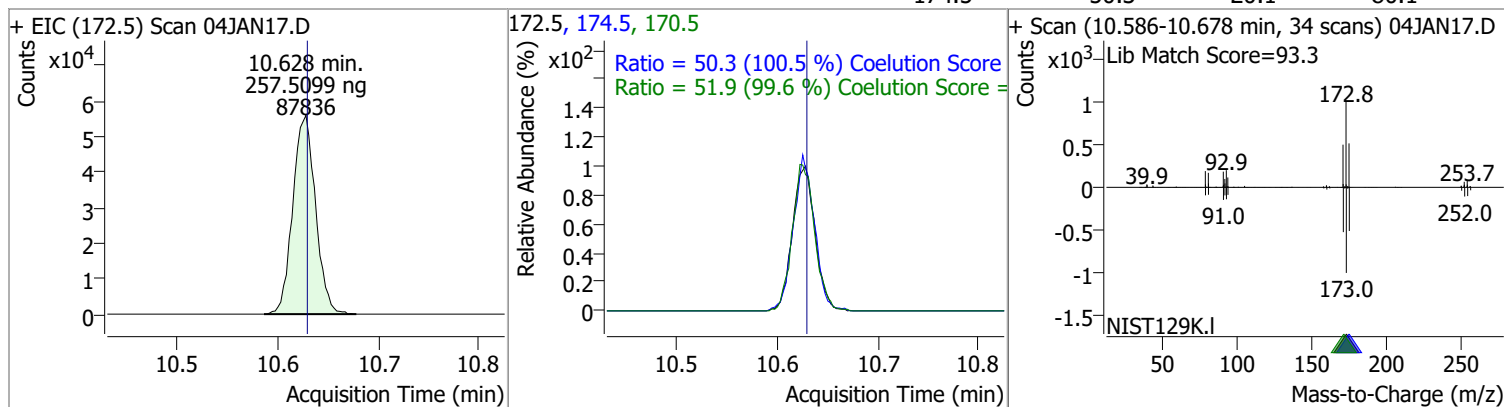
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 270.4636 | 10.43 | 0.00     | 365914 | 91.0 | 213.0  | 183.1 | 243.1 |



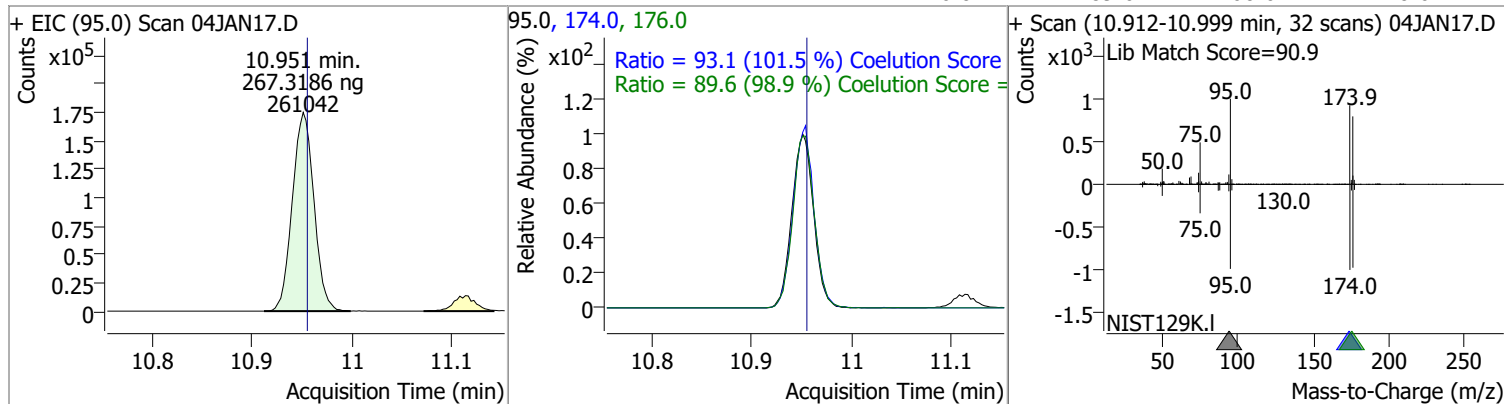
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| Styrene  | 278.0455 | 10.45 | 0.00     | 605646 | 78.0 | 50.3   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 257.5099 | 10.63 | 0.00     | 87836 | 170.5 | 51.9   | 22.1  | 82.1  |
|           |          |       |          |       | 174.5 | 50.3   | 20.1  | 80.1  |

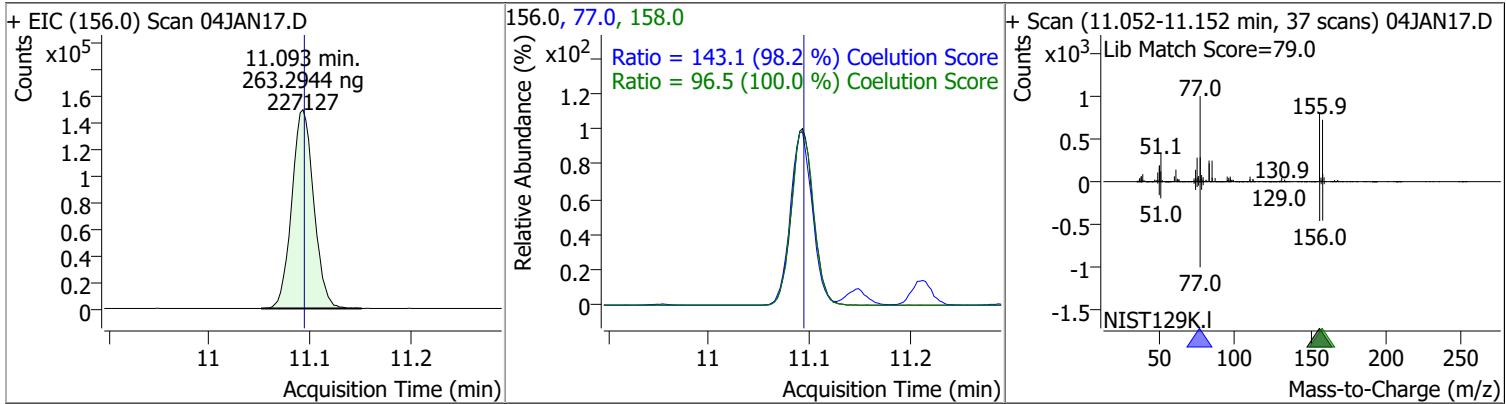


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 267.3186 | 10.95 | 0.00     | 261042 | 174.0 | 93.1   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 89.6   | 60.6  | 120.6 |

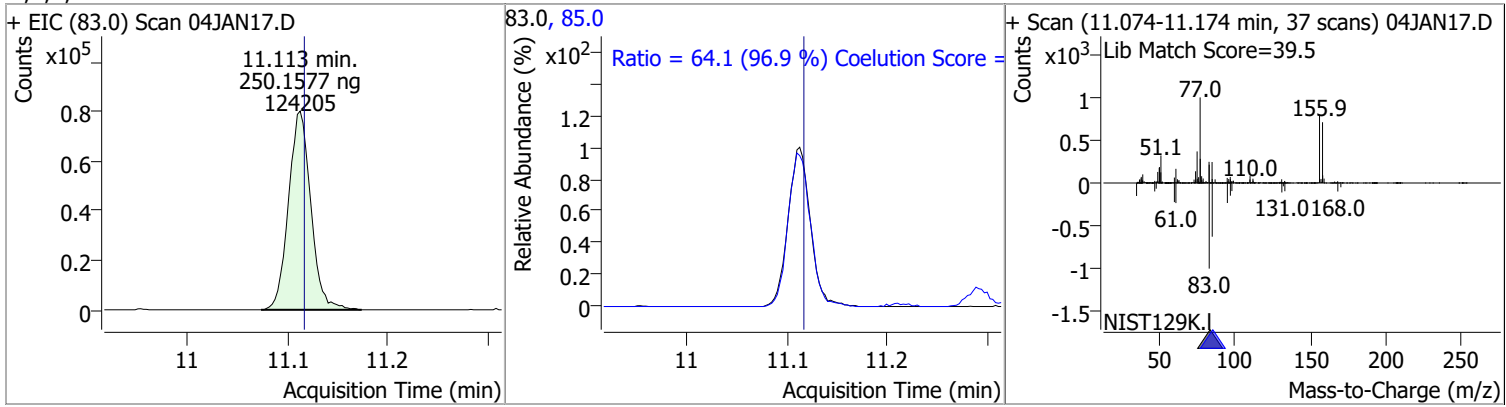


# Quantitation Results Report (QT Reviewed)

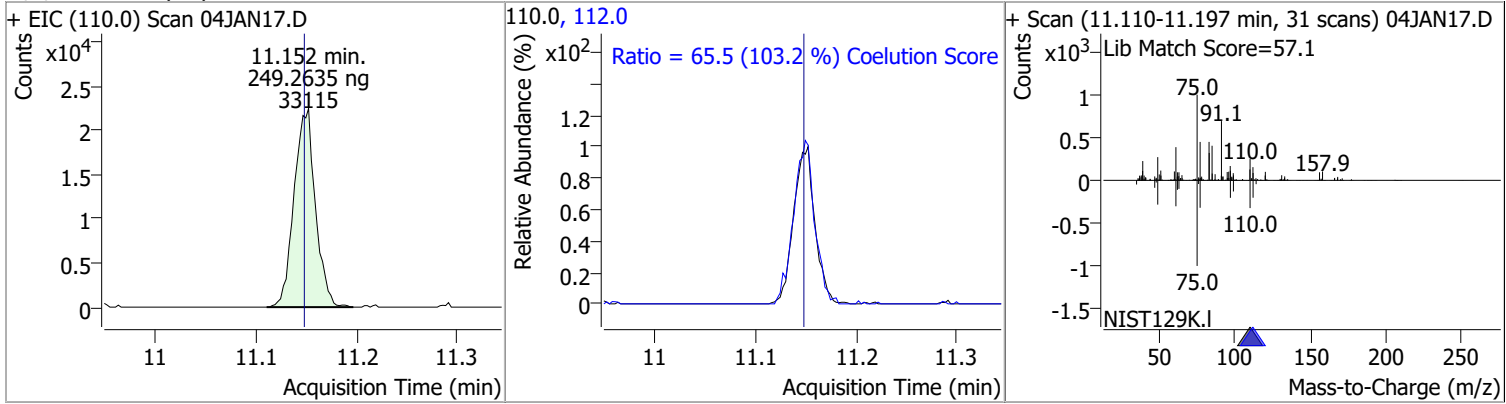
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 263.2944 | 11.09 | 0.00     | 227127 | 77.0  | 143.1  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 96.5   | 66.5  | 126.5 |



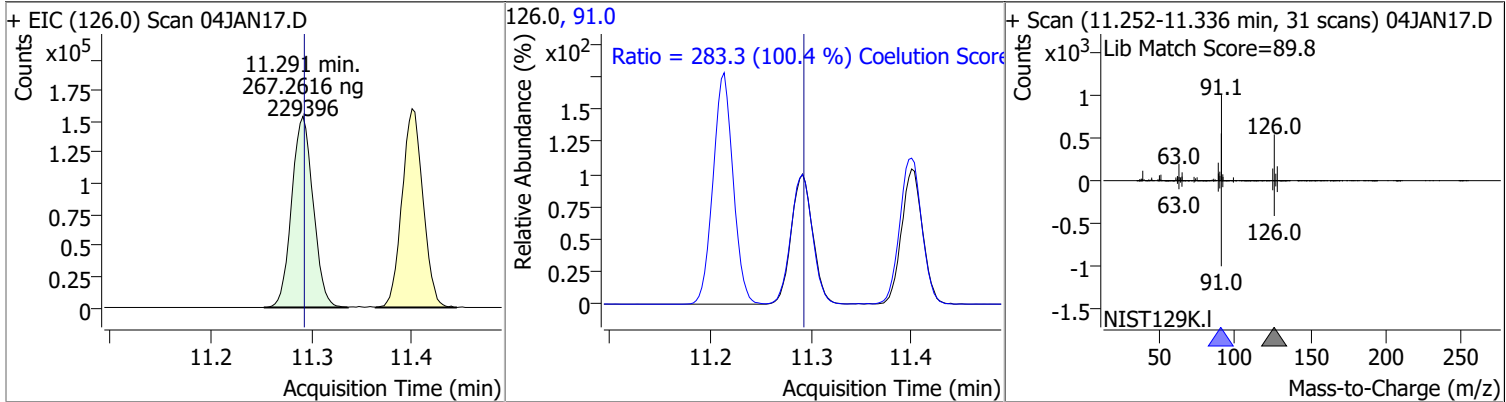
| Compound                  | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|--------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 250.1577 | 11.11 | 0.00     | 124205 | 85.0 | 64.1   | 36.2  | 96.2  |



| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 249.2635 | 11.15 | 0.01     | 33115 | 112.0 | 65.5   | 33.5  | 93.5  |

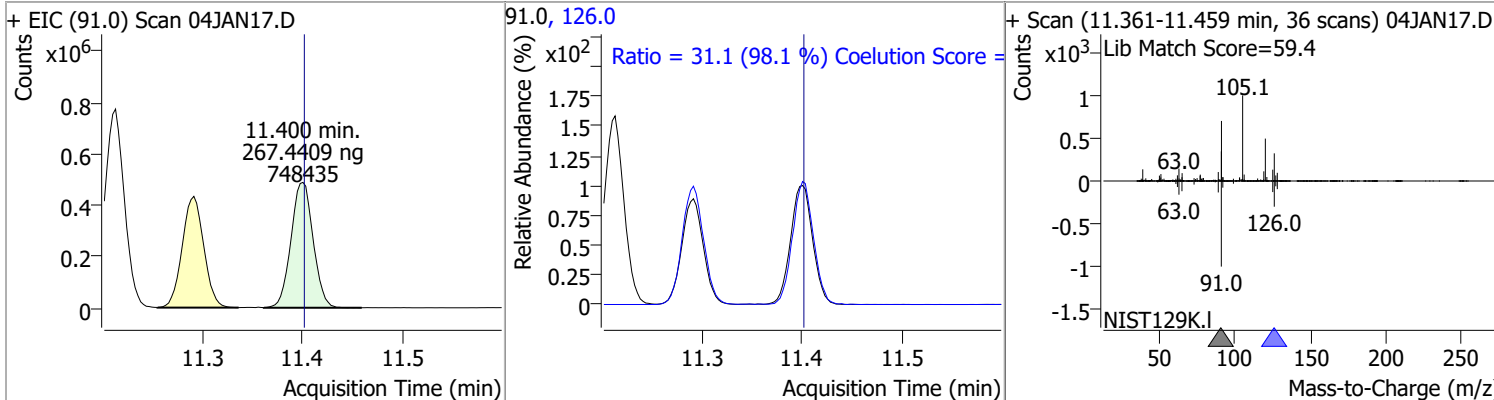


| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 267.2616 | 11.29 | 0.00     | 229396 | 91.0 | 283.3  | 252.3 | 312.3 |

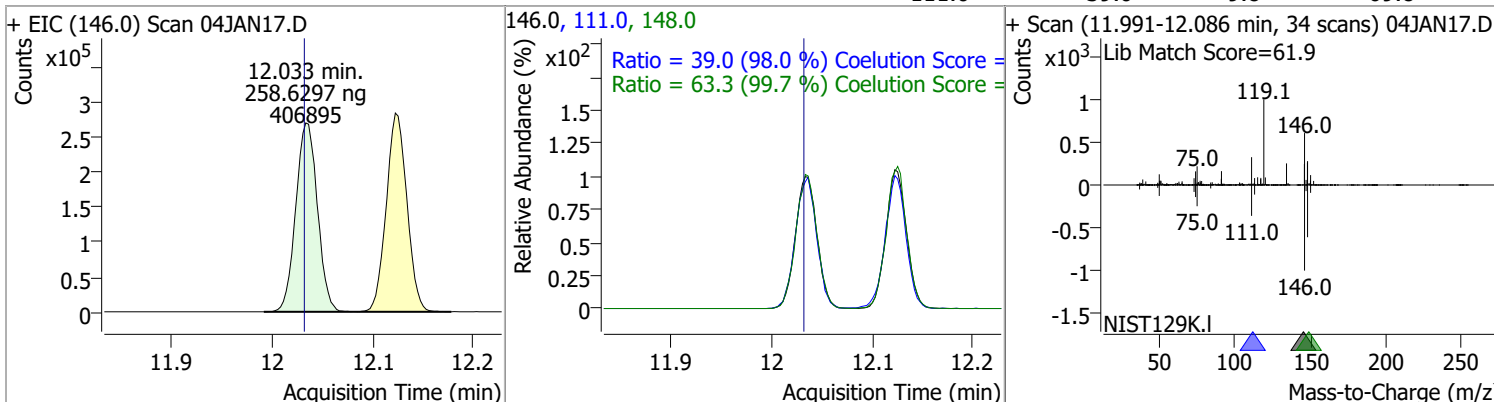


# Quantitation Results Report (QT Reviewed)

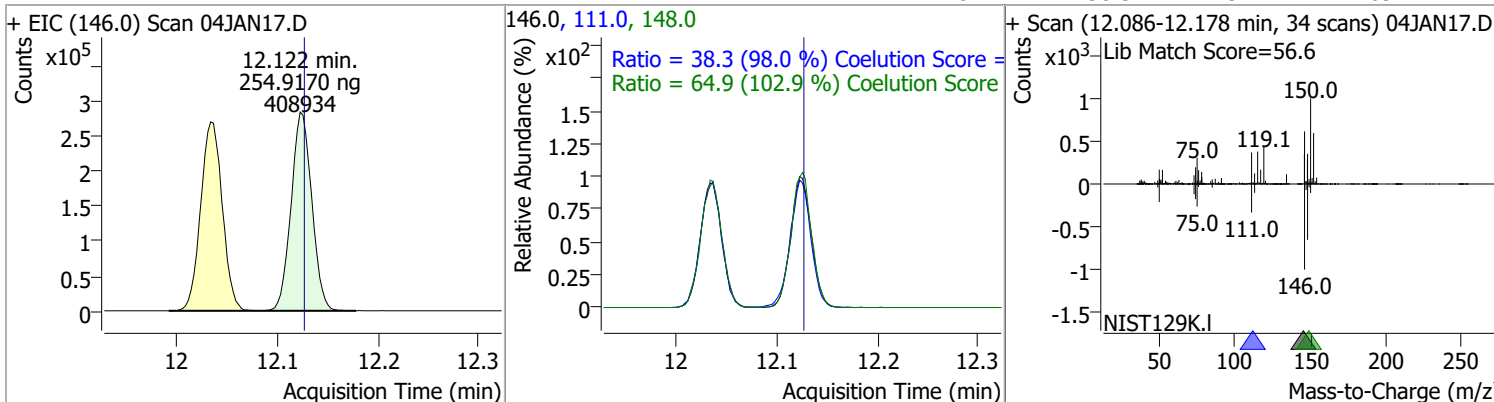
| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 4-Chlorotoluene | 267.4409 | 11.40 | 0.00     | 748435 | 126.0 | 31.1   | 1.7   | 61.7  |



|                     |          |       |      |        |       |      |      |      |
|---------------------|----------|-------|------|--------|-------|------|------|------|
| 1,3-Dichlorobenzene | 258.6297 | 12.03 | 0.00 | 406895 | 148.0 | 63.3 | 33.6 | 93.6 |
|                     |          |       |      |        | 111.0 | 39.0 | 9.8  | 69.8 |

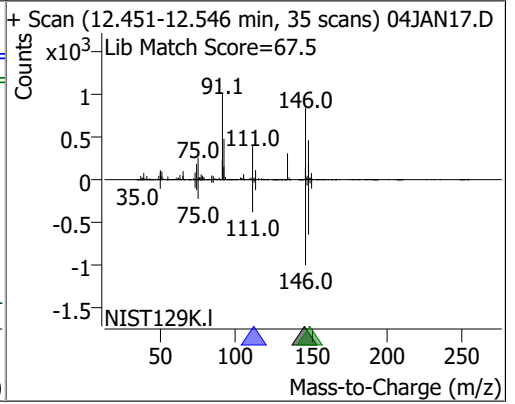
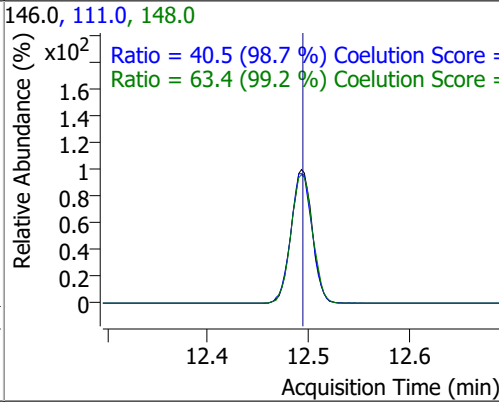
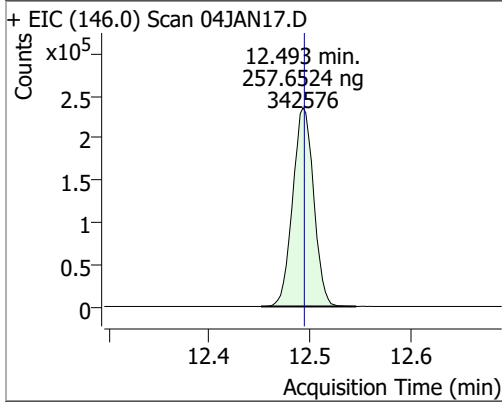


|                     |          |       |      |        |       |      |      |      |
|---------------------|----------|-------|------|--------|-------|------|------|------|
| 1,4-Dichlorobenzene | 254.9170 | 12.12 | 0.00 | 408934 | 148.0 | 64.9 | 33.1 | 93.1 |
|                     |          |       |      |        | 111.0 | 38.3 | 9.1  | 69.1 |



# Quantitation Results Report (QT Reviewed)

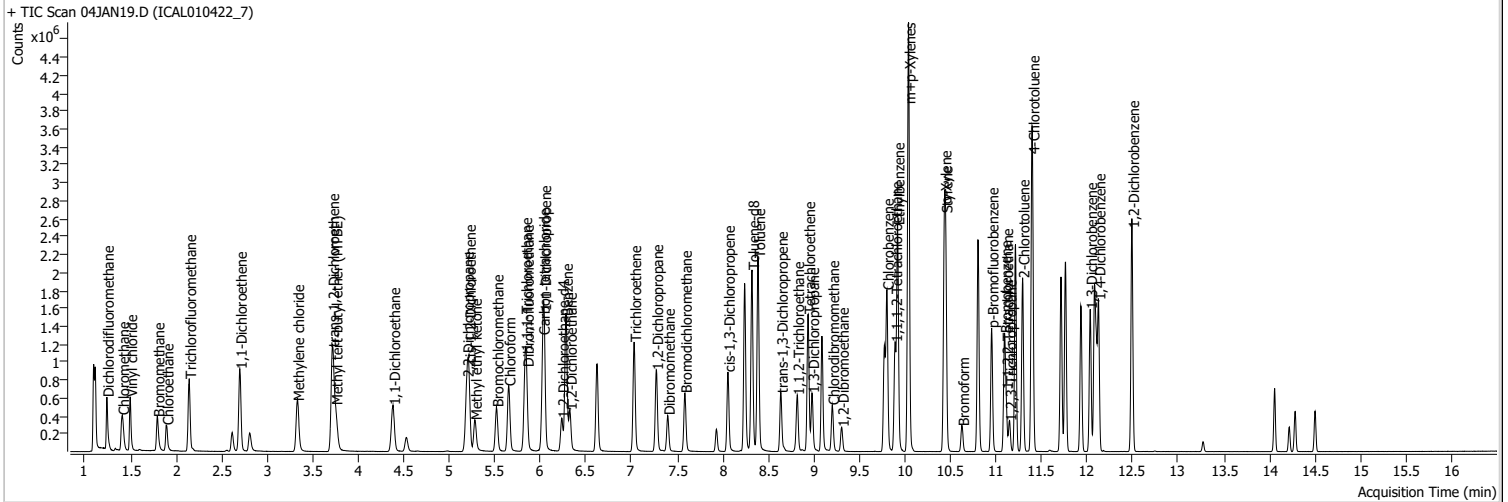
| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 257.6524 | 12.49 | 0.00     | 342576 | 148.0 | 63.4   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 40.5   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)



|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN19.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 7:39:45 PM   |
| Sample Name    | ICAL010422_7                        | Instrument        | VOA5975C              |
| Vial           | 19                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|----------|----|------|-------|-------|-------|----------|
|----------|----|------|-------|-------|-------|----------|

### Internal Standards

|                          |        |       |        |          |    |        |
|--------------------------|--------|-------|--------|----------|----|--------|
| M Fluorobenzene          | 6.621  | 96.0  | 841876 | 250.0000 | ng | -0.003 |
| M Chlorobenzene-d5       | 9.772  | 82.0  | 314668 | 250.0000 | ng | 0.000  |
| M 1,4-Dichlorobenzene-d4 | 12.100 | 152.0 | 266611 | 250.0000 | ng | 0.000  |

### System Monitoring Compounds

|                         |                      |       |         |                    |    |        |
|-------------------------|----------------------|-------|---------|--------------------|----|--------|
| S Dibromofluoromethane  | 5.848                | 113.0 | 305158  | 384.7503           | ng | 0.003  |
| Spiked Amount: 250.000  | Range: 80.0 - 119.0% |       |         | Recovery = 153.90% | *  |        |
| S 1,2-Dichloroethane-d4 | 6.233                | 67.0  | 129608  | 378.3335           | ng | 0.000  |
| Spiked Amount: 250.000  | Range: 81.0 - 118.0% |       |         | Recovery = 151.33% | *  |        |
| S Toluene-d8            | 8.322                | 98.0  | 1229775 | 405.5583           | ng | 0.003  |
| Spiked Amount: 250.000  | Range: 89.0 - 112.0% |       |         | Recovery = 162.22% | *  |        |
| S p-Bromofluorobenzene  | 10.951               | 95.0  | 385474  | 394.6566           | ng | -0.003 |
| Spiked Amount: 250.000  | Range: 85.0 - 114.0% |       |         | Recovery = 157.86% | *  |        |

### Target Compounds

| Target Compound                  | RT    | QIon  | Resp.  | Conc.     | Units | QValue |
|----------------------------------|-------|-------|--------|-----------|-------|--------|
| T Dichlorodifluoromethane        | 1.241 | 85.0  | 412544 | 373.9449  | ng    | 100    |
| T Chloromethane                  | 1.409 | 50.0  | 471454 | 352.0836  | ng    | 99     |
| T Vinyl chloride                 | 1.498 | 62.0  | 448643 | 372.3564  | ng    | 95     |
| T Bromomethane                   | 1.796 | 96.0  | 207491 | 385.1259  | ng    | 98     |
| T Chloroethane                   | 1.897 | 64.0  | 217393 | 364.4573  | ng    | 99     |
| T Trichlorofluoromethane         | 2.145 | 101.0 | 555477 | 371.4290  | ng    | 98     |
| T 1,1-Dichloroethene             | 2.700 | 96.0  | 322557 | 380.3725  | ng    | 100    |
| T Methylene chloride             | 3.330 | 49.0  | 435116 | 348.0666  | ng    | 99     |
| T trans-1,2-Dichloroethene       | 3.715 | 96.0  | 325415 | 376.1367  | ng    | 97     |
| T Methyl tert-butyl ether (MTBE) | 3.751 | 73.0  | 437439 | 391.1767  | ng    | 100    |
| T 1,1-Dichloroethane             | 4.381 | 63.0  | 612660 | 380.4437  | ng    | 99     |
| T 2,2-Dichloropropane            | 5.190 | 77.0  | 446282 | 369.8436  | ng    | 100    |
| T cis-1,2-Dichloroethene         | 5.212 | 96.0  | 339211 | 386.7236  | ng    | 97     |
| T Methyl ethyl ketone            | 5.279 | 43.0  | 470653 | 3961.3410 | ng    | 100    |
| T Bromochloromethane             | 5.516 | 128.0 | 135103 | 371.8004  | ng    | 99     |
| T Chloroform                     | 5.650 | 83.0  | 588080 | 366.9389  | ng    | 99     |

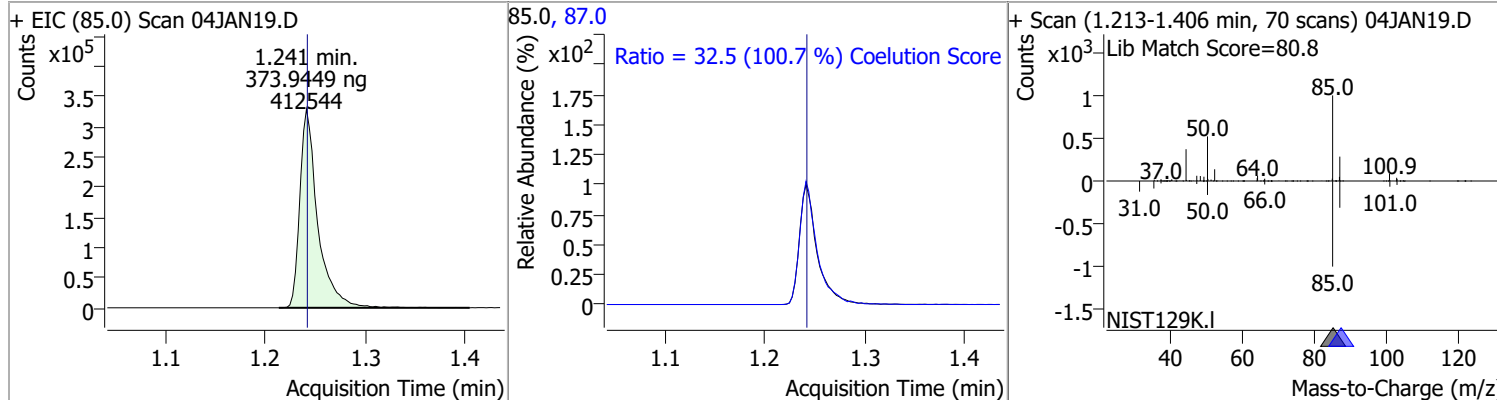
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.   | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|---------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.831  | 97.0  | 580748  | 386.6625 | ng    | 99       |
| T Carbon tetrachloride      | 6.024  | 117.0 | 572545  | 386.9014 | ng    | 99       |
| T 1,1-Dichloropropene       | 6.040  | 75.0  | 507157  | 397.1322 | ng    | 100      |
| T Benzene                   | 6.278  | 78.0  | 1293370 | 385.8526 | ng    | 99       |
| T 1,2-Dichloroethane        | 6.322  | 62.0  | 332775  | 366.9787 | ng    | 97       |
| T Trichloroethene           | 7.028  | 95.0  | 374370  | 394.4896 | ng    | 99       |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 324602  | 388.8502 | ng    | 98       |
| T Dibromomethane            | 7.396  | 93.0  | 134282  | 380.6547 | ng    | 96       |
| T Bromodichloromethane      | 7.585  | 83.0  | 375983  | 386.1940 | ng    | 100      |
| T cis-1,3-Dichloropropene   | 8.057  | 75.0  | 441168  | 400.7930 | ng    | 99       |
| T Toluene                   | 8.388  | 92.0  | 813204  | 397.0106 | ng    | 100      |
| T trans-1,3-Dichloropropene | 8.639  | 75.0  | 315063  | 402.1098 | ng    | 99       |
| T 1,1,2-Trichloroethane     | 8.818  | 83.0  | 152331  | 373.2534 | ng    | 100      |
| T Tetrachloroethene         | 8.938  | 163.8 | 319950  | 382.8796 | ng    | 99       |
| T 1,3-Dichloropropane       | 8.980  | 76.0  | 312547  | 389.3442 | ng    | 99       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 247279  | 387.6812 | ng    | 99       |
| T 1,2-Dibromoethane         | 9.306  | 107.0 | 168577  | 377.7698 | ng    | 100      |
| T Chlorobenzene             | 9.802  | 112.0 | 867732  | 386.9455 | ng    | 100      |
| T 1,1,1,2-Tetrachloroethane | 9.892  | 131.0 | 307436  | 392.1859 | ng    | 96       |
| T Ethylbenzene              | 9.919  | 91.0  | 1574219 | 404.7587 | ng    | 100      |
| T m+p-Xylenes               | 10.039 | 106.0 | 1228570 | 812.8556 | ng    | 100      |
| T o-Xylene                  | 10.433 | 106.0 | 549244  | 408.2043 | ng    | 100      |
| T Styrene                   | 10.447 | 104.0 | 896331  | 413.7595 | ng    | 99       |
| T Bromoform                 | 10.628 | 172.5 | 129038  | 378.2200 | ng    | 99       |
| T Bromobenzene              | 11.093 | 156.0 | 333431  | 386.4420 | ng    | 98       |
| T 1,1,2,2-Tetrachloroethane | 11.110 | 83.0  | 182470  | 367.4276 | ng    | 98       |
| T 1,2,3-Trichloropropane    | 11.149 | 110.0 | 48325   | 363.6732 | ng    | 100      |
| T 2-Chlorotoluene           | 11.291 | 126.0 | 336386  | 391.8269 | ng    | 98       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 1109221 | 396.2756 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 603674  | 383.6225 | ng    | 100      |
| T 1,4-Dichlorobenzene       | 12.125 | 146.0 | 595919  | 371.3969 | ng    | 98       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 499147  | 375.3283 | ng    | 99       |

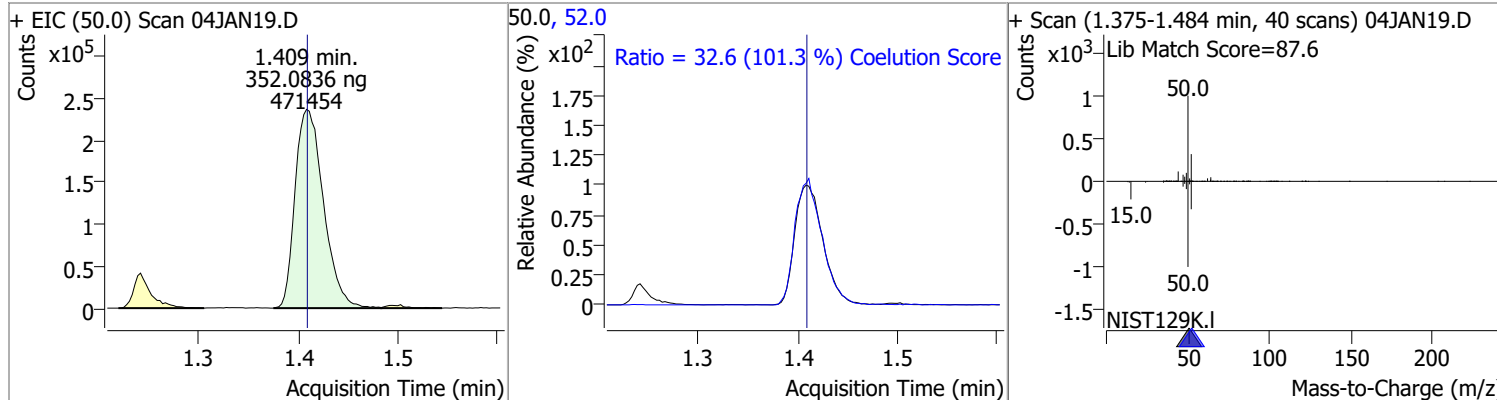
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

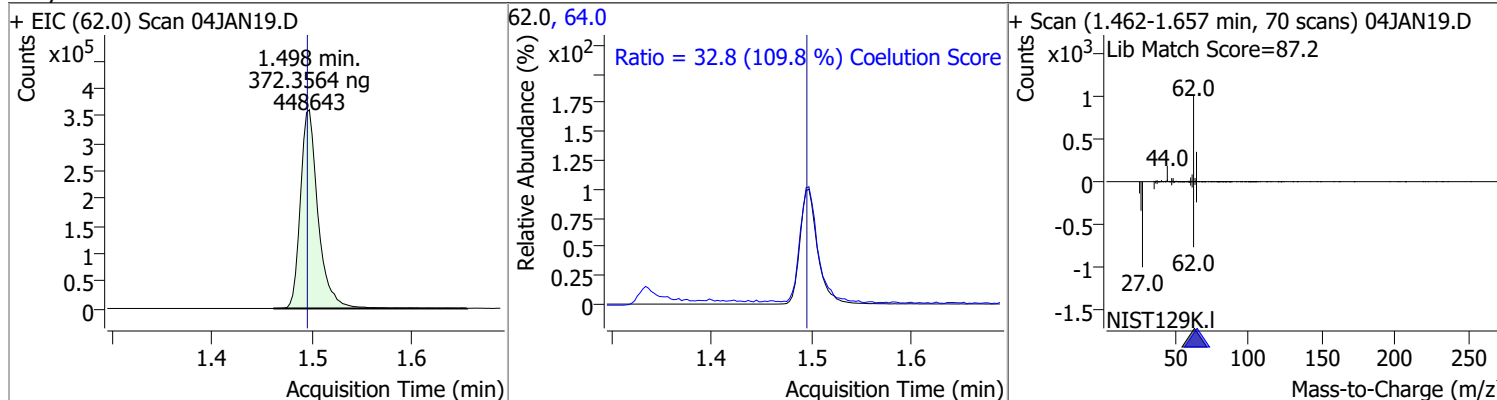
| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Dichlorodifluoromethane | 373.9449 | 1.24 | 0.00     | 412544 | 87.0 | 32.5   | 2.3   | 62.3  |



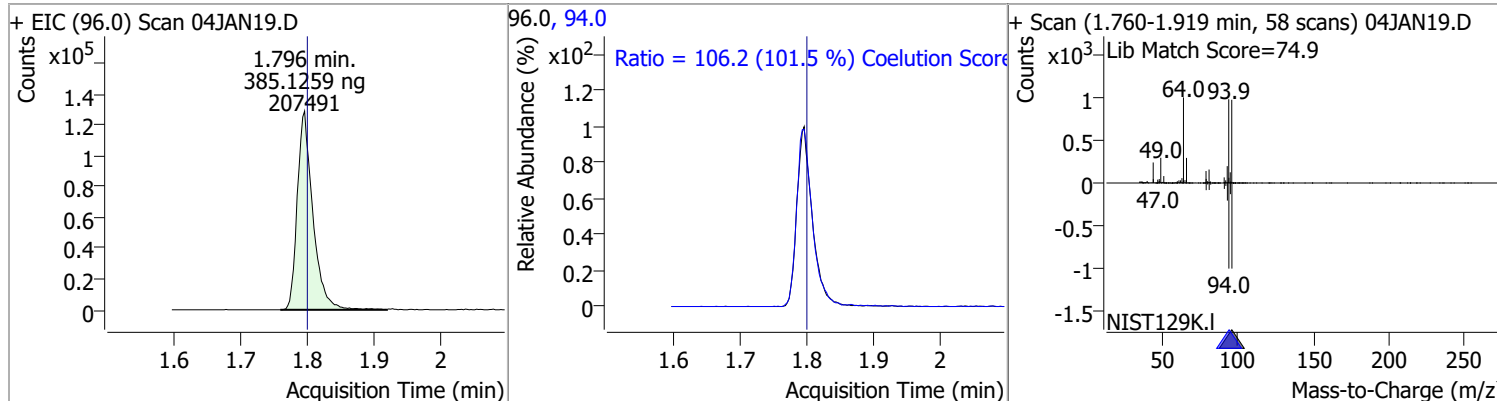
| Compound      | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloromethane | 352.0836 | 1.41 | 0.00     | 471454 | 52.0 | 32.6   | 2.1   | 62.1  |



| Compound       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------------|----------|------|----------|--------|------|--------|-------|-------|
| Vinyl chloride | 372.3564 | 1.50 | 0.00     | 448643 | 64.0 | 32.8   | 0.0   | 59.9  |



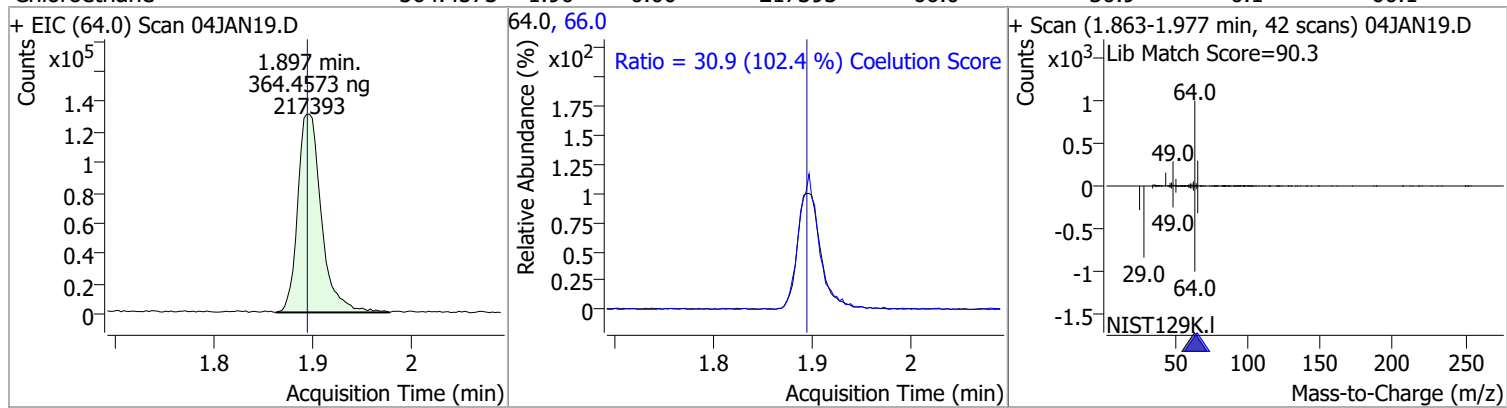
| Compound     | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|--------|------|--------|-------|-------|
| Bromomethane | 385.1259 | 1.80 | 0.00     | 207491 | 94.0 | 106.2  | 74.6  | 134.6 |



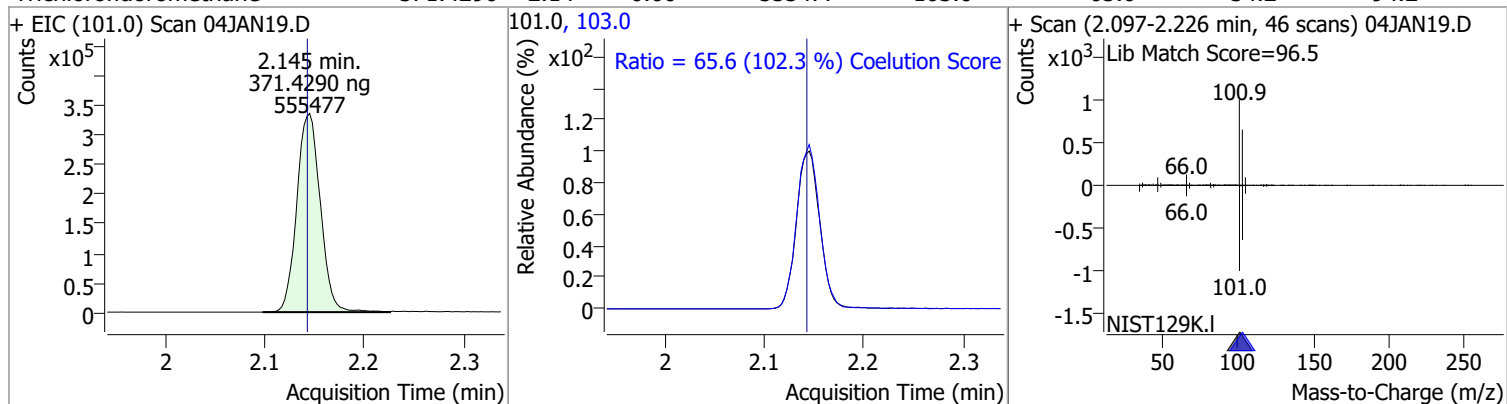


# Quantitation Results Report (QT Reviewed)

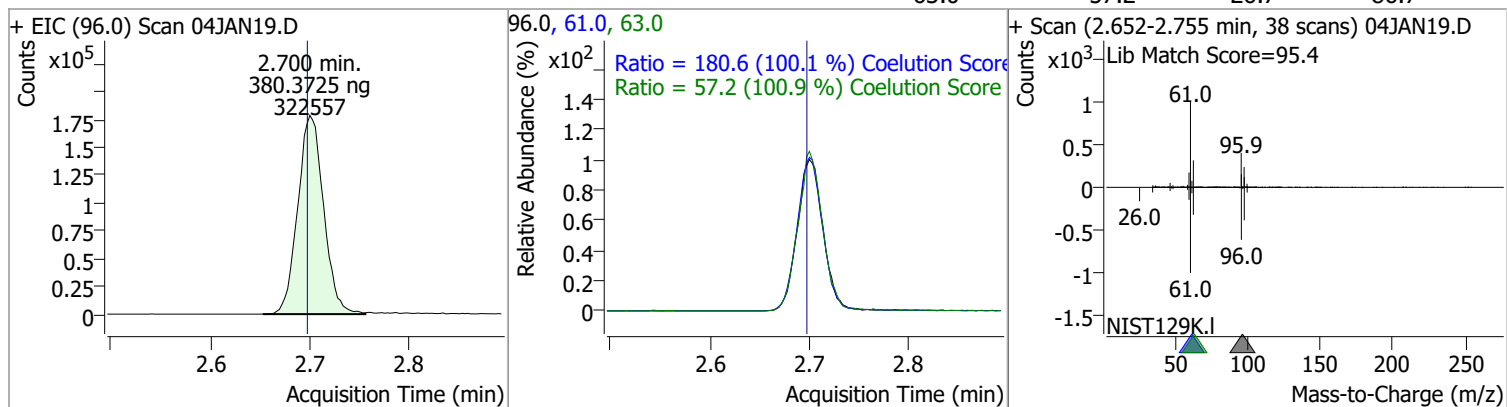
| Compound     | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroethane | 364.4573 | 1.90 | 0.00     | 217393 | 66.0 | 30.9   | 0.1   | 60.1  |



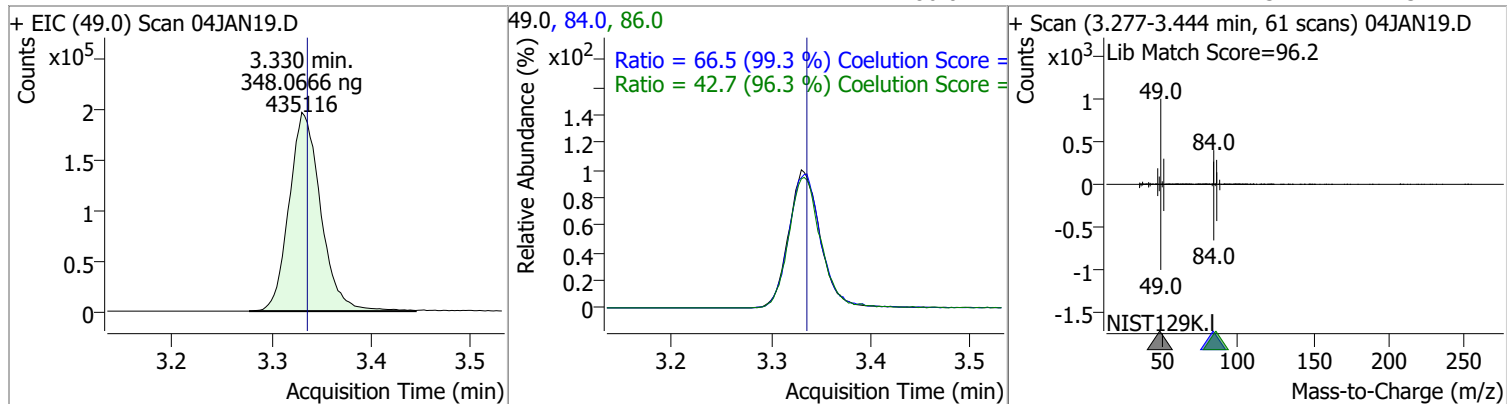
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichlorofluoromethane | 371.4290 | 2.14 | 0.00     | 555477 | 103.0 | 65.6   | 34.2  | 94.2  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethene | 380.3725 | 2.70 | 0.00     | 322557 | 61.0 | 180.6  | 150.3 | 210.3 |
|                    |          |      |          |        | 63.0 | 57.2   | 26.7  | 86.7  |



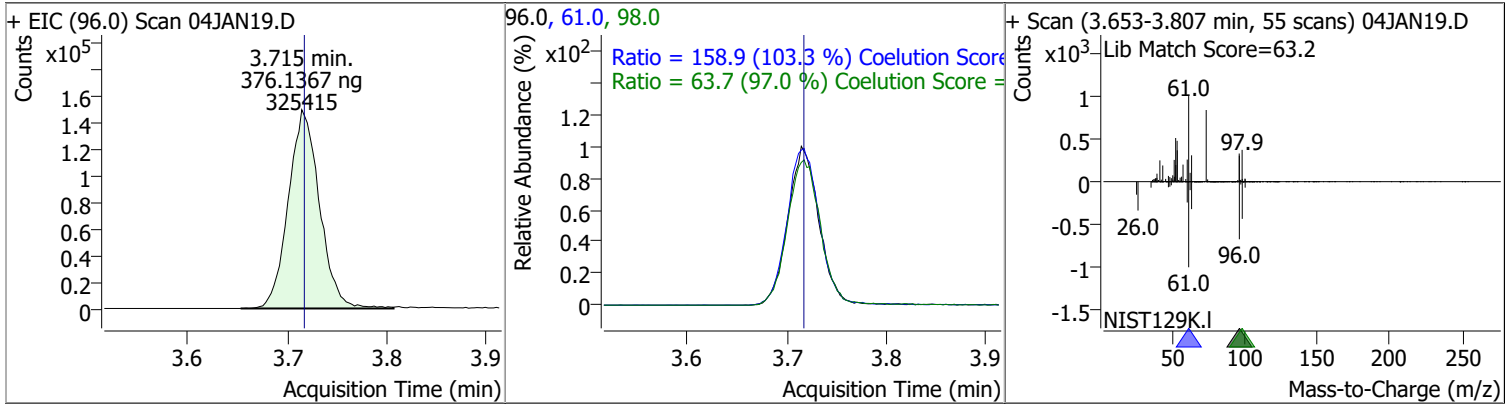
| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methylene chloride | 348.0666 | 3.33 | -0.01    | 435116 | 84.0 | 66.5   | 36.9  | 96.9  |
|                    |          |      |          |        | 86.0 | 42.7   | 14.3  | 74.3  |



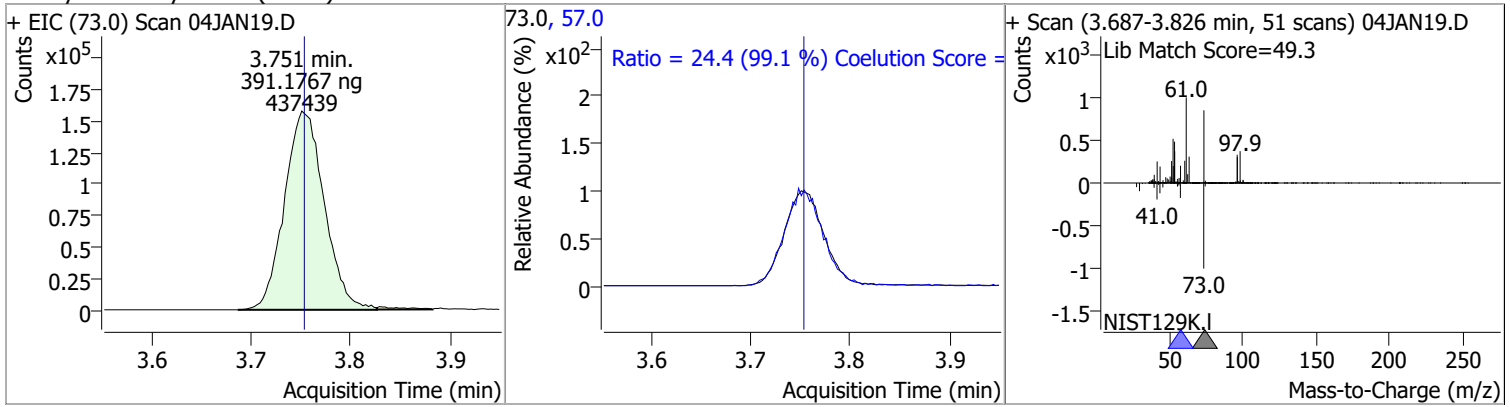


# Quantitation Results Report (QT Reviewed)

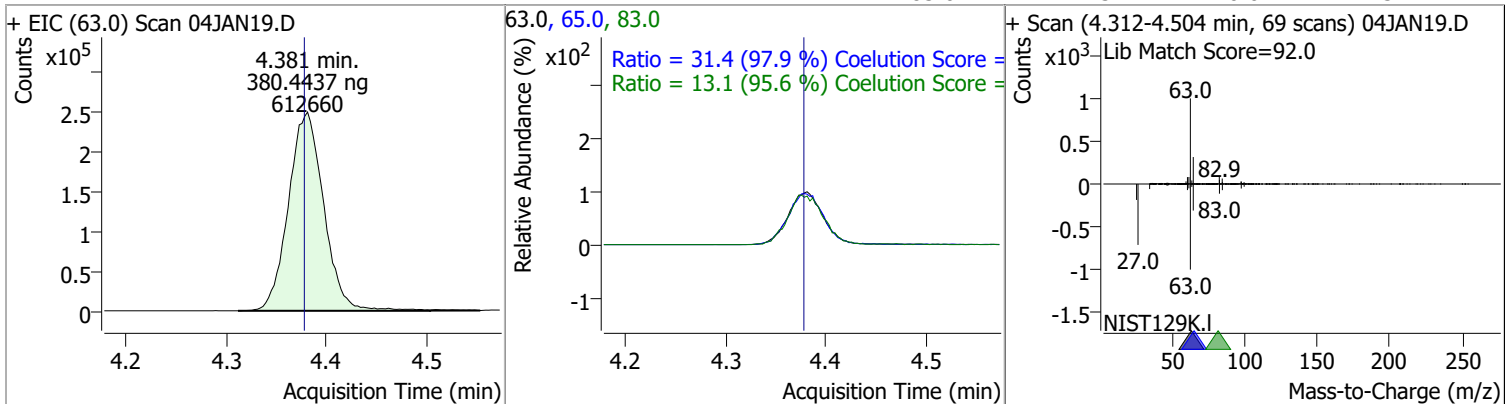
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 376.1367 | 3.71 | 0.00     | 325415 | 61.0 | 158.9  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 63.7   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 391.1767 | 3.75 | 0.00     | 437439 | 57.0 | 24.4   | 0.0   | 54.6  |

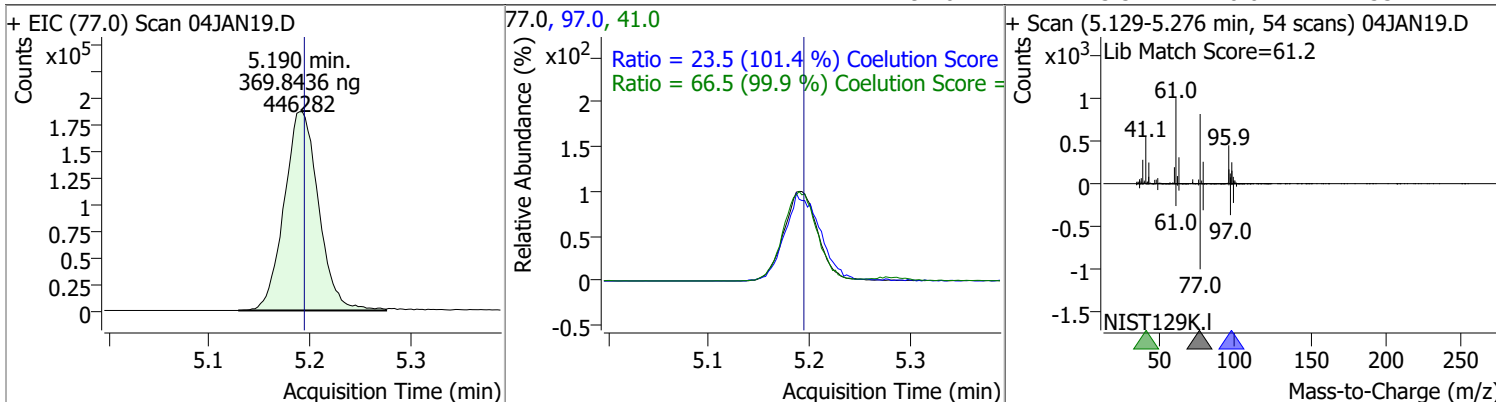


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 380.4437 | 4.38 | 0.00     | 612660 | 65.0 | 31.4   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 13.1   | 0.0   | 43.7  |

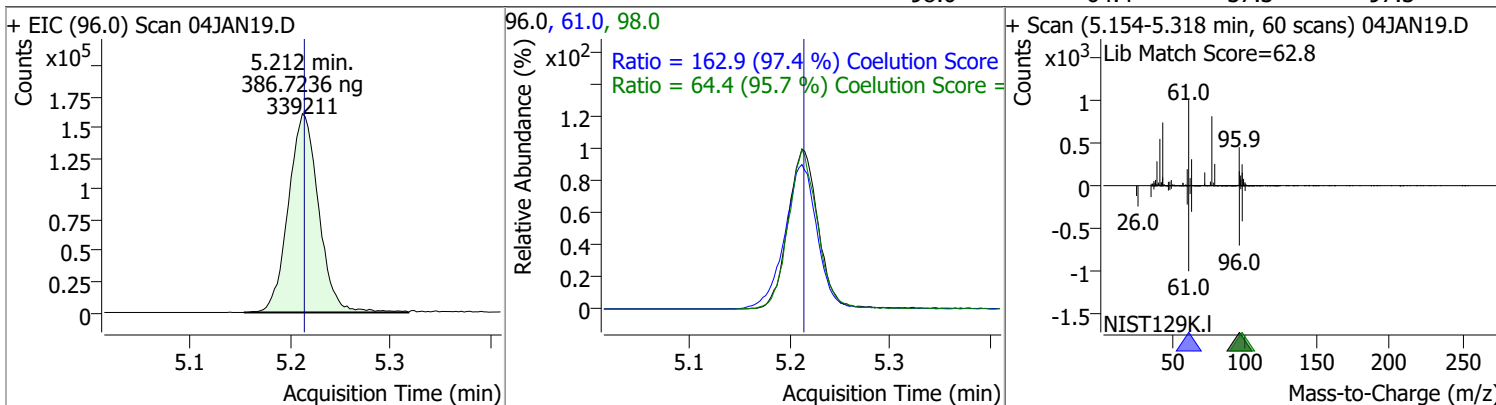


# Quantitation Results Report (QT Reviewed)

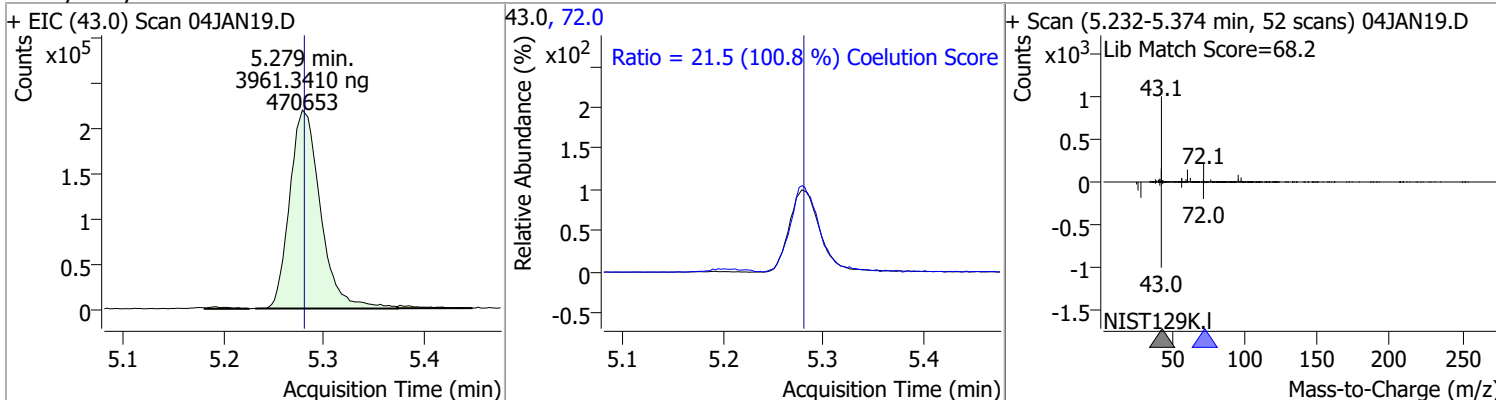
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 369.8436 | 5.19 | -0.01    | 446282 | 41.0 | 66.5   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 23.5   | 0.0   | 53.2  |



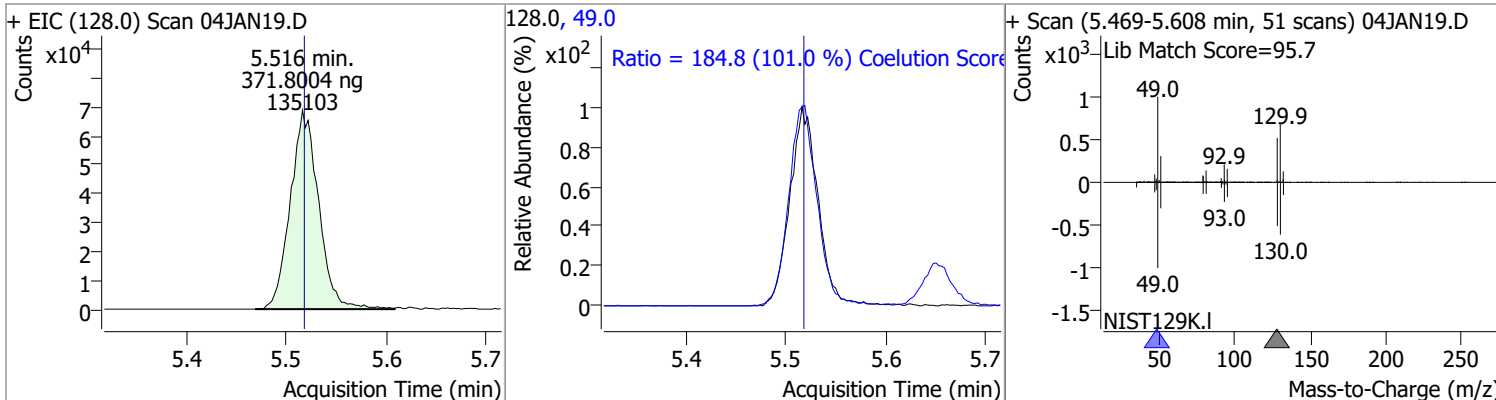
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 386.7236 | 5.21 | 0.00     | 339211 | 61.0 | 162.9  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 64.4   | 37.3  | 97.3  |



| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 3961.3410 | 5.28 | 0.00     | 470653 | 72.0 | 21.5   | 0.0   | 51.3  |

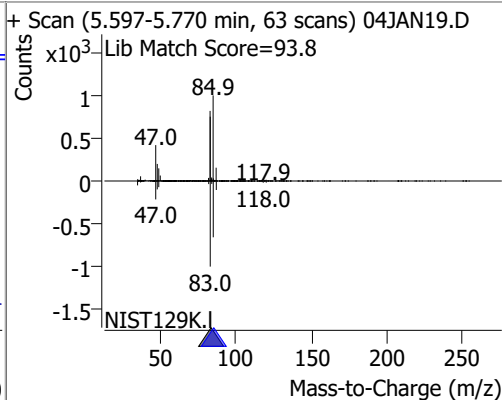
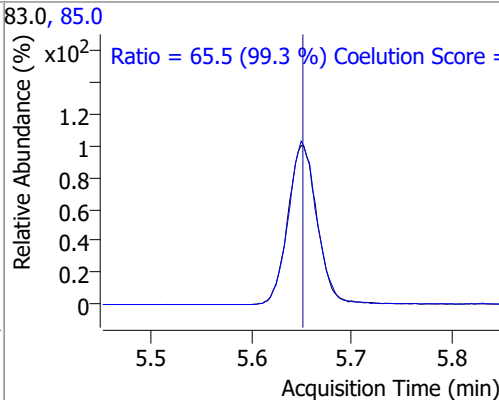
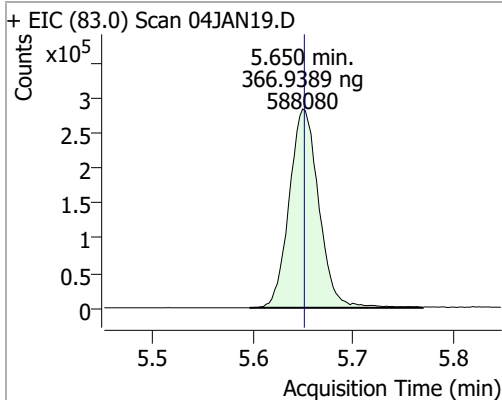


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Bromochloromethane | 371.8004 | 5.52 | 0.00     | 135103 | 49.0 | 184.8  | 152.9 | 212.9 |

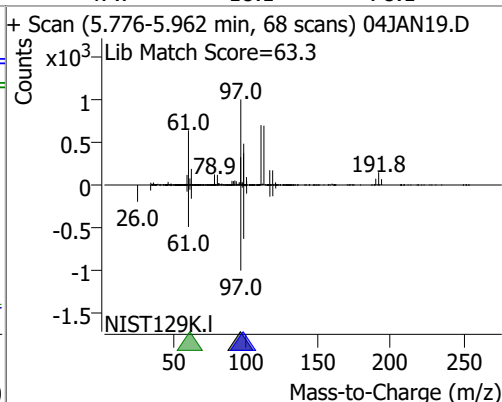
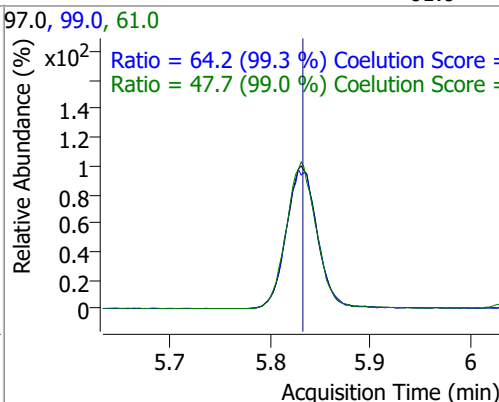
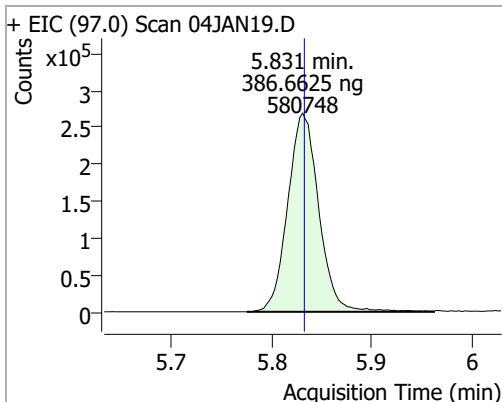


# Quantitation Results Report (QT Reviewed)

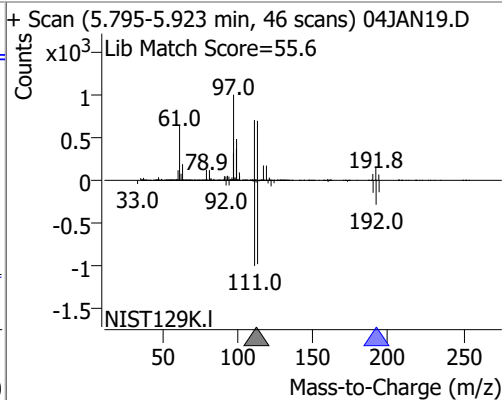
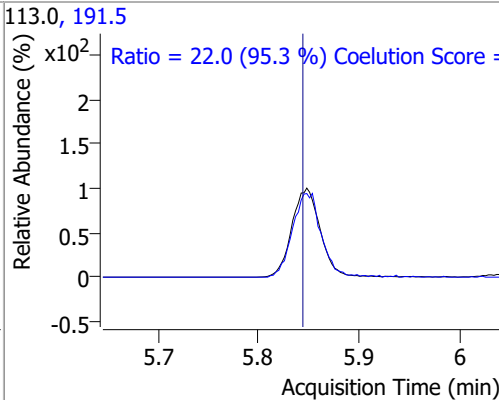
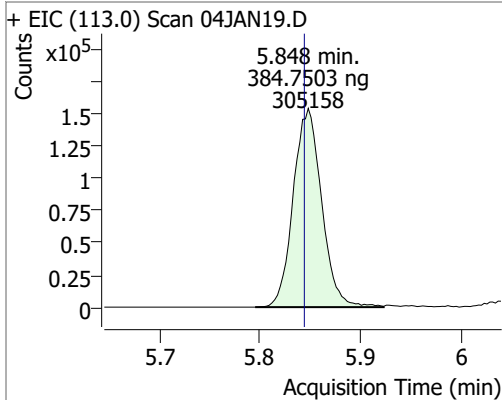
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroform | 366.9389 | 5.65 | 0.00     | 588080 | 85.0 | 65.5   | 36.0  | 96.0  |



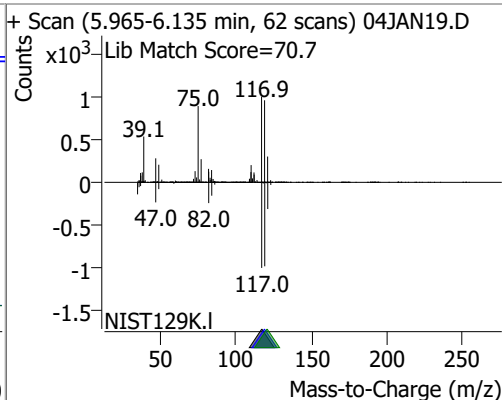
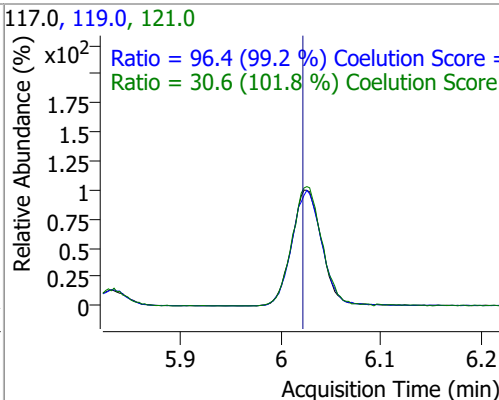
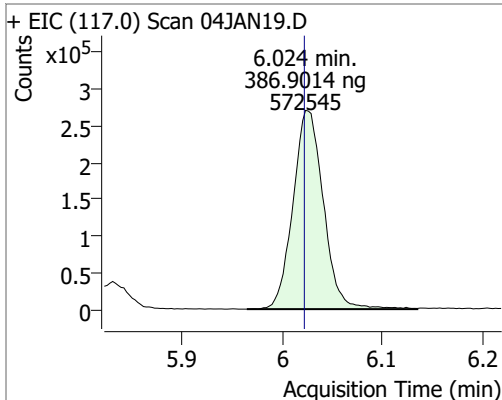
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 386.6625 | 5.83 | 0.00     | 580748 | 99.0 | 64.2   | 34.7  | 94.7  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromofluoromethane | 384.7503 | 5.85 | 0.00     | 305158 | 191.5 | 22.0   | 0.0   | 53.1  |

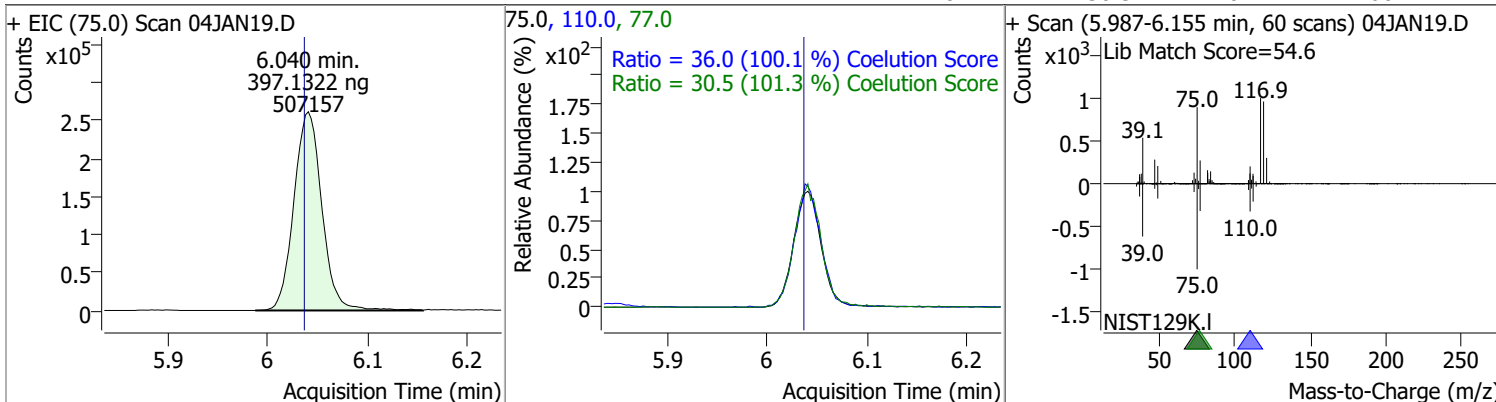


| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Carbon tetrachloride | 386.9014 | 6.02 | 0.00     | 572545 | 119.0 | 96.4   | 67.2  | 127.2 |

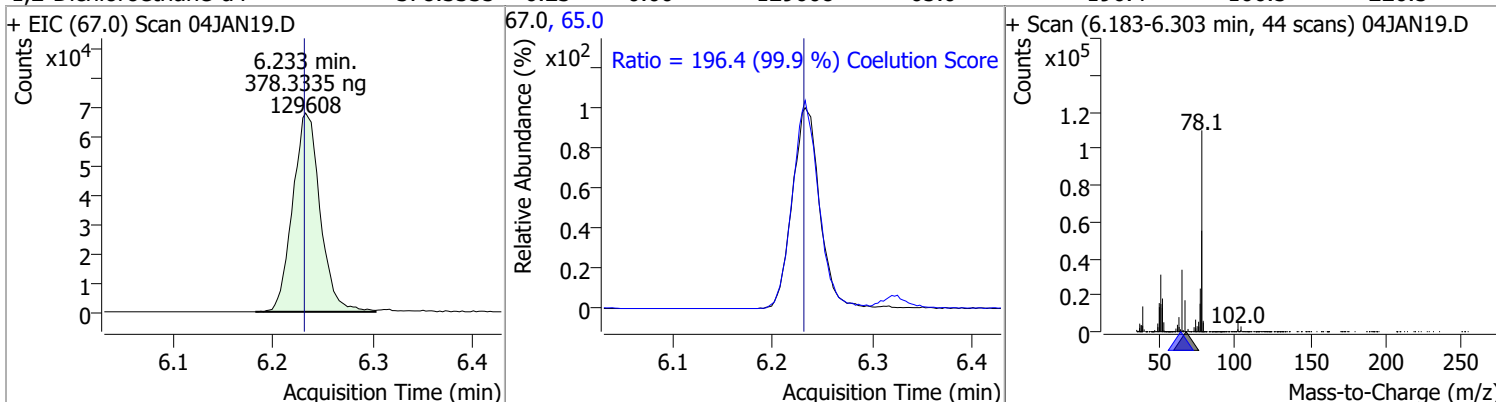


# Quantitation Results Report (QT Reviewed)

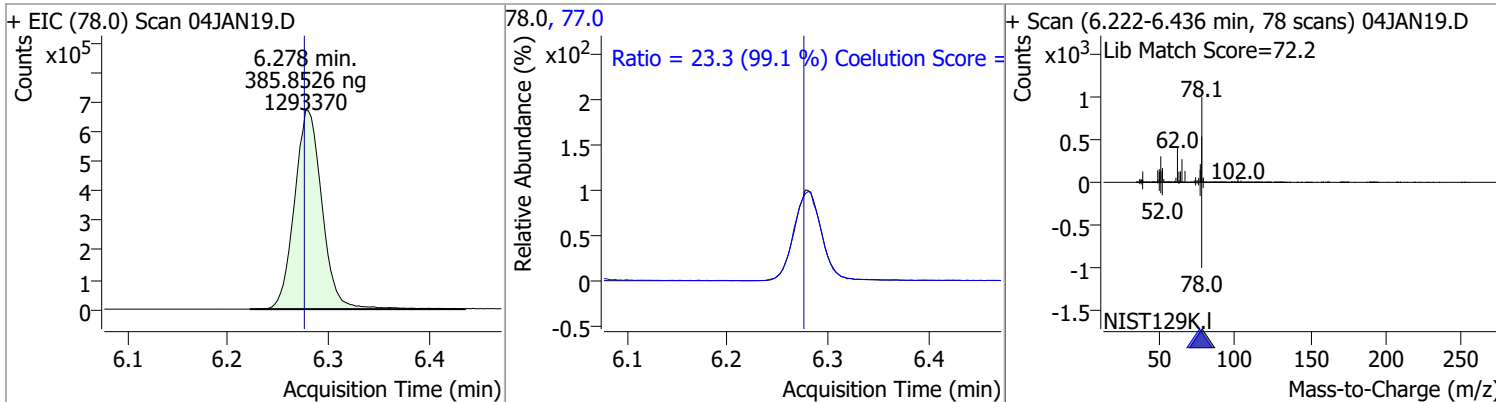
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 397.1322 | 6.04 | 0.00     | 507157 | 110.0 | 36.0   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.5   | 0.1   | 60.1  |



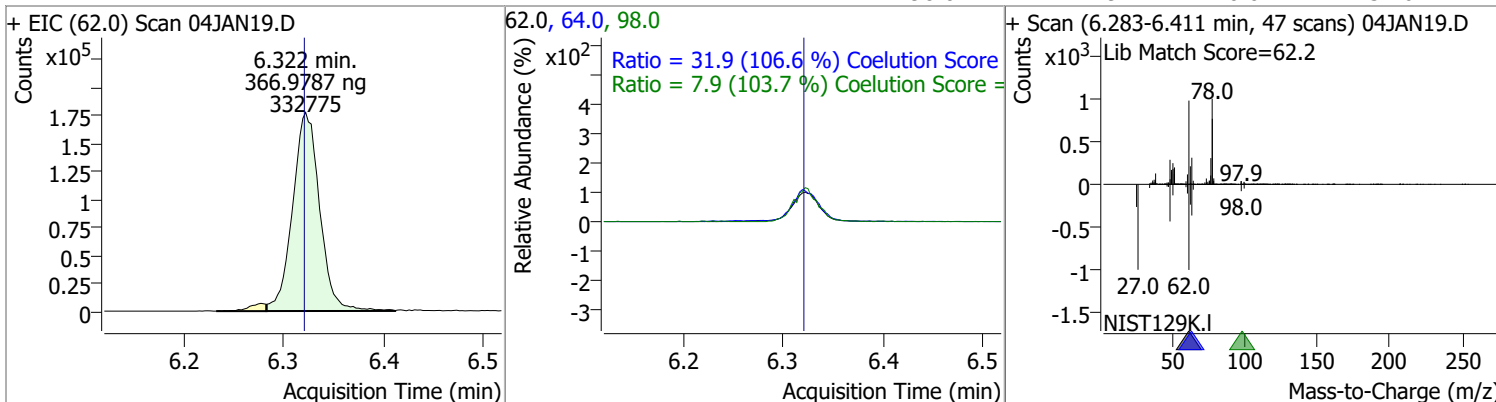
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 378.3335 | 6.23 | 0.00     | 129608 | 65.0 | 196.4  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 385.8526 | 6.28 | 0.00     | 1293370 | 77.0 | 23.3   | 0.0   | 53.5  |

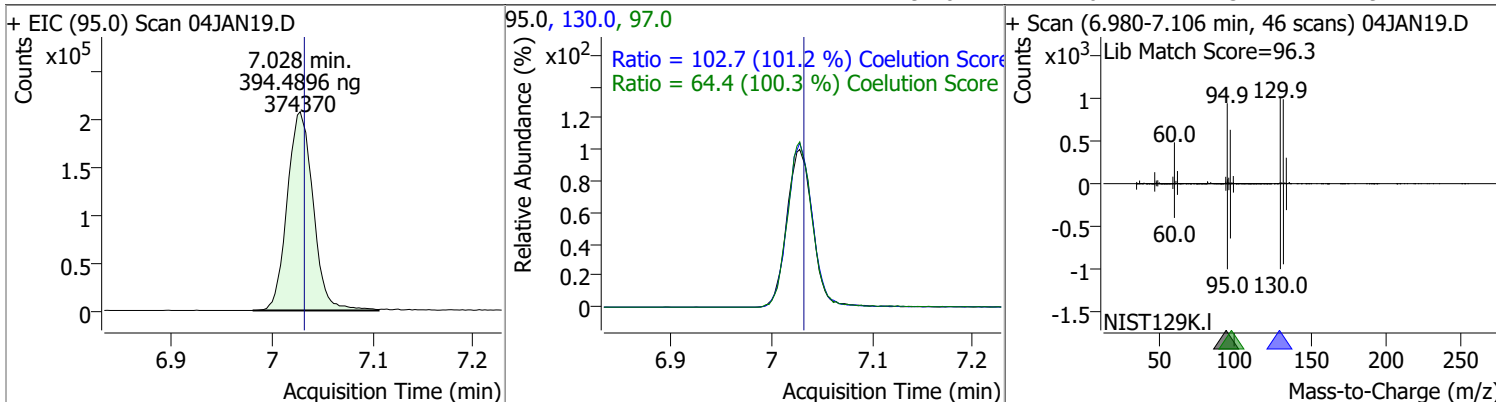


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 366.9787 | 6.32 | 0.00     | 332775 | 64.0 | 31.9   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 7.9    | 0.0   | 37.6  |

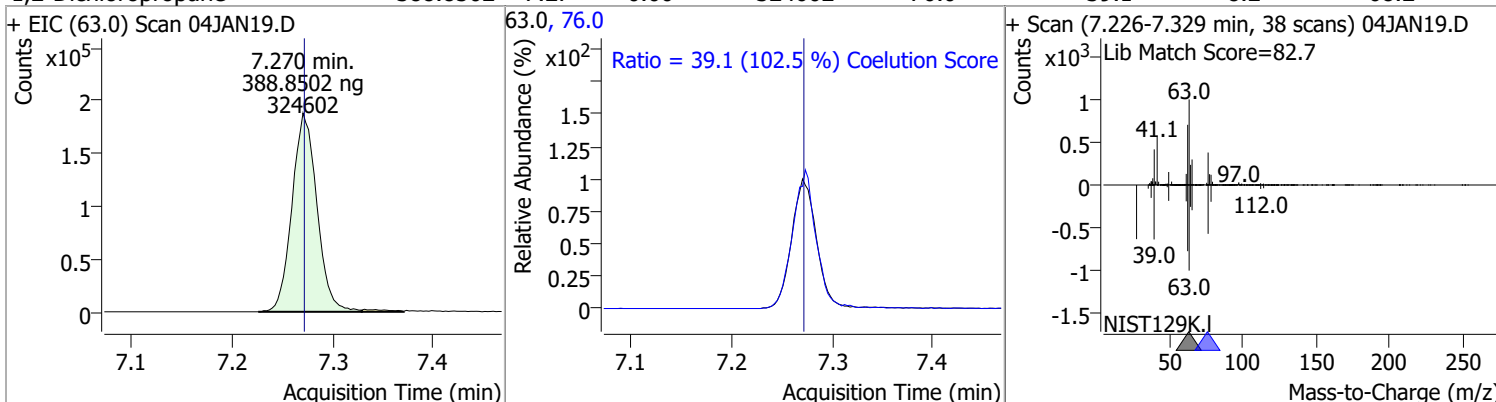


# Quantitation Results Report (QT Reviewed)

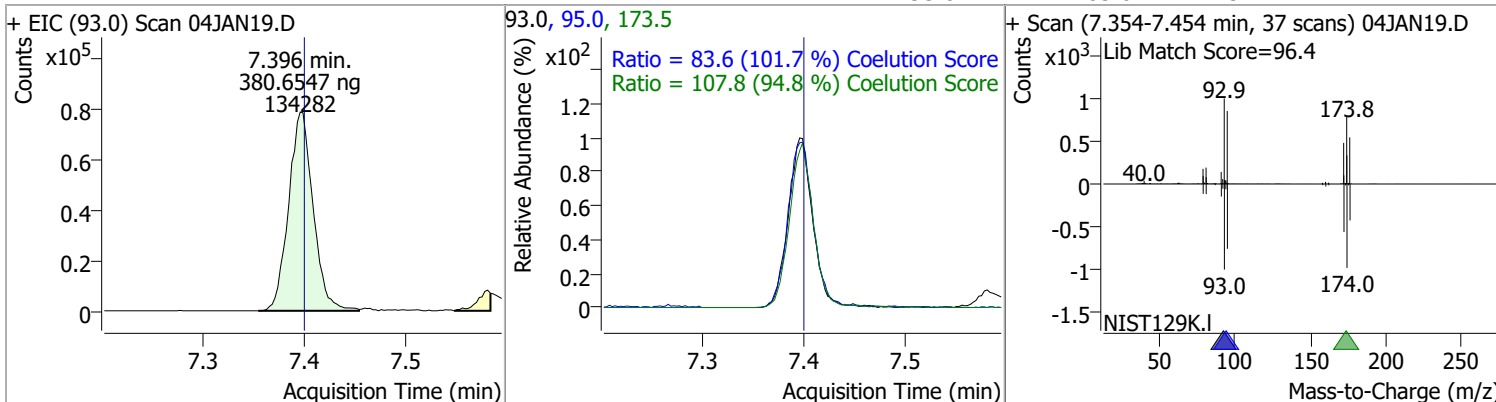
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 394.4896 | 7.03 | 0.00     | 374370 | 130.0 | 102.7  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 64.4   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloropropane | 388.8502 | 7.27 | 0.00     | 324602 | 76.0 | 39.1   | 8.2   | 68.2  |

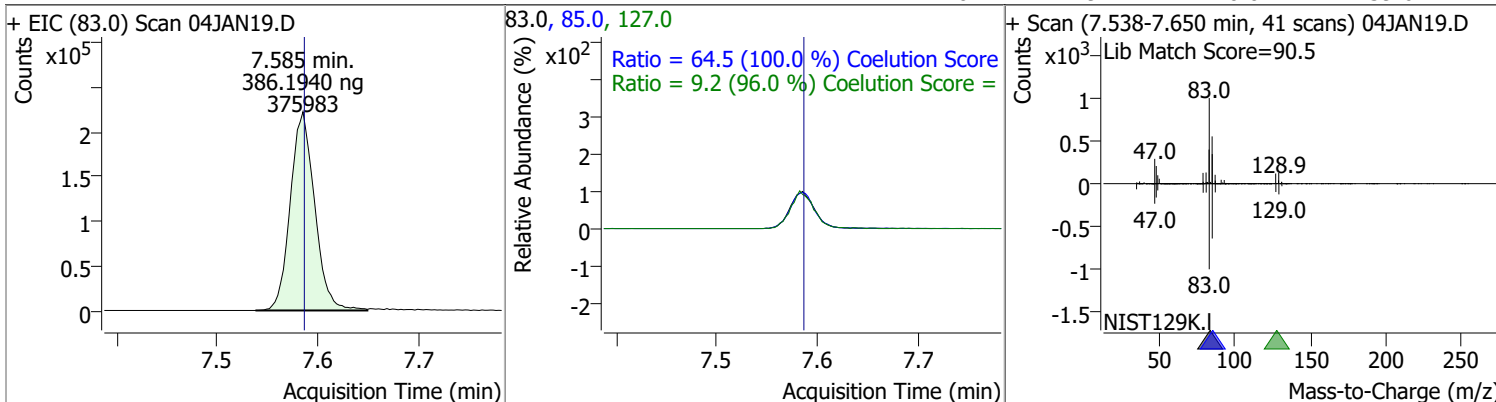


| Compound       | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromomethane | 380.6547 | 7.40 | 0.00     | 134282 | 173.5 | 107.8  | 83.7  | 143.7 |
|                |          |      |          |        | 95.0  | 83.6   | 52.2  | 112.2 |

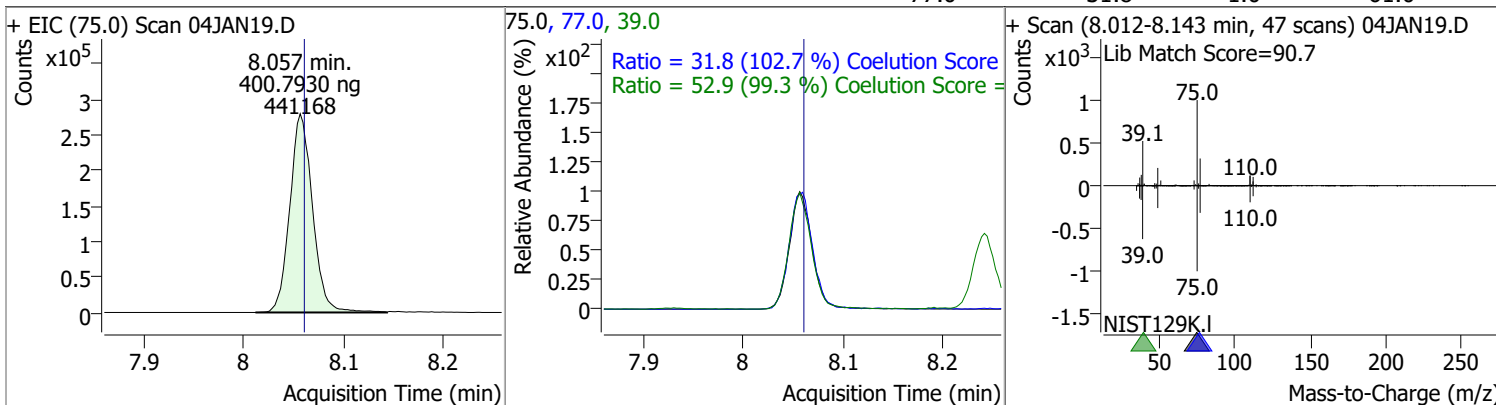


# Quantitation Results Report (QT Reviewed)

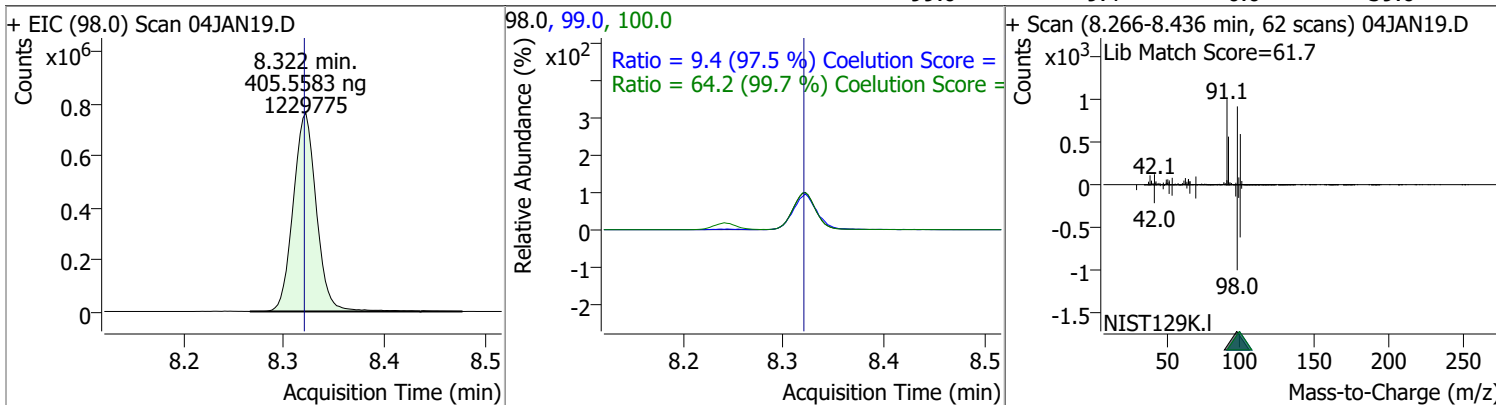
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 386.1940 | 7.59 | 0.00     | 375983 | 85.0  | 64.5   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.2    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 400.7930 | 8.06 | 0.00     | 441168 | 39.0 | 52.9   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 31.8   | 1.0   | 61.0  |

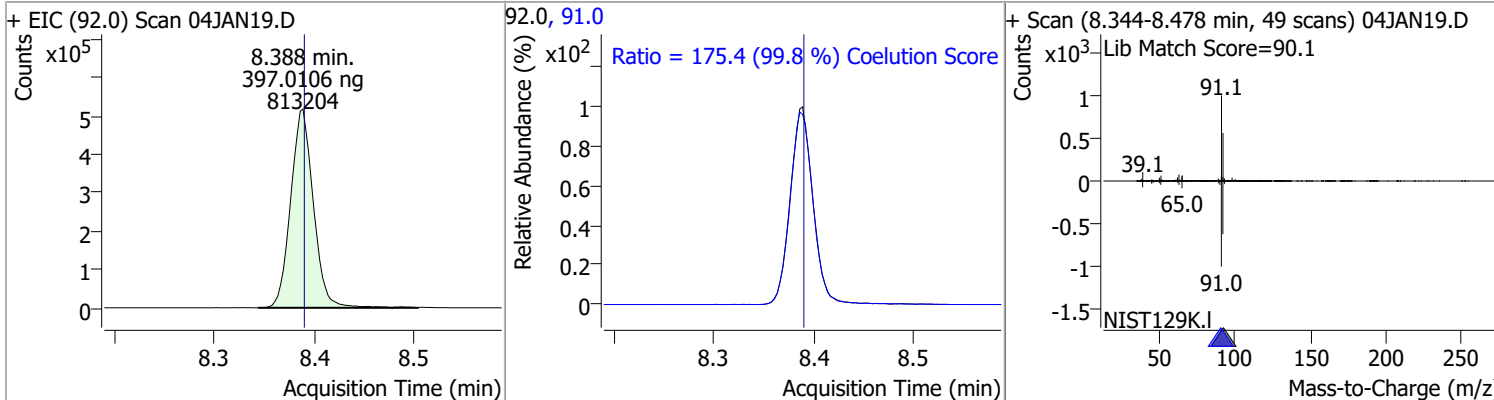


| Compound   | Conc.    | RT   | Dev(Min) | Resp.   | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|---------|-------|--------|-------|-------|
| Toluene-d8 | 405.5583 | 8.32 | 0.00     | 1229775 | 100.0 | 64.2   | 34.4  | 94.4  |
|            |          |      |          |         | 99.0  | 9.4    | 0.0   | 39.6  |

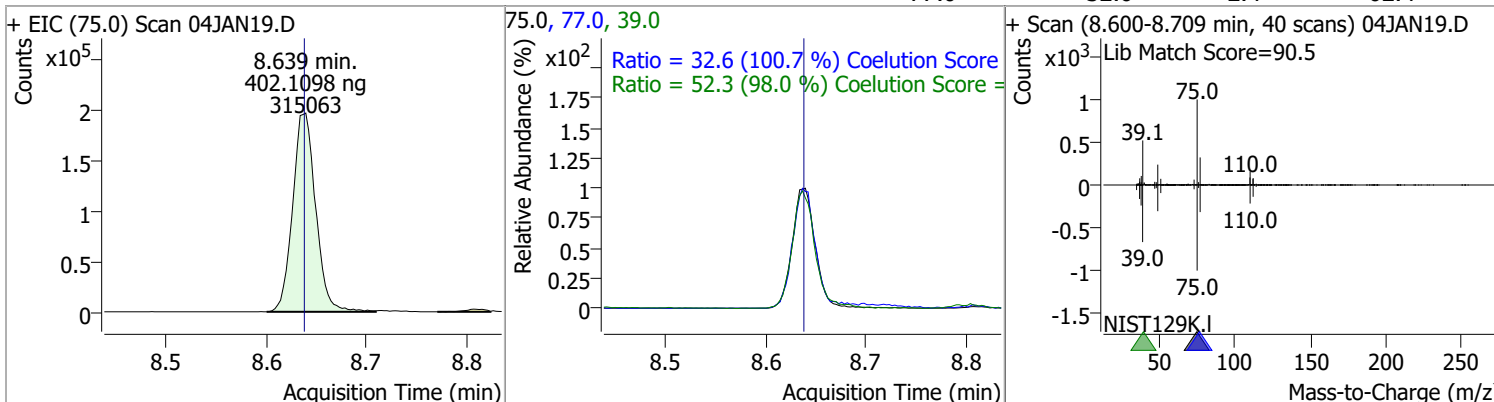


# Quantitation Results Report (QT Reviewed)

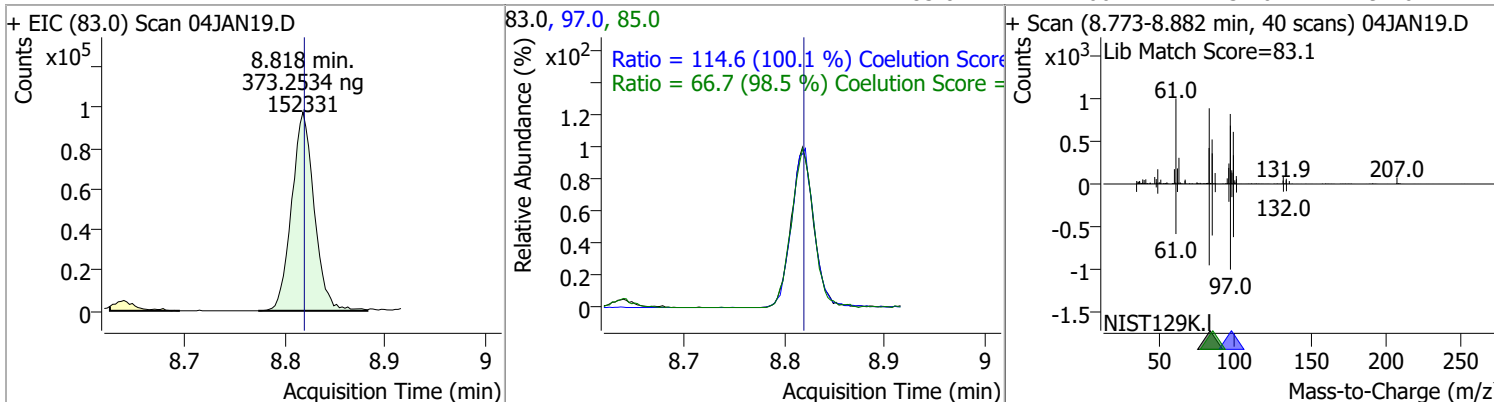
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Toluene  | 397.0106 | 8.39 | 0.00     | 813204 | 91.0 | 175.4  | 145.8 | 205.8 |



| Compound                  | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,3-Dichloropropene | 402.1098 | 8.64 | 0.00     | 315063 | 39.0 | 52.3   | 23.4  | 83.4  |
|                           |          |      |          |        | 77.0 | 32.6   | 2.4   | 62.4  |



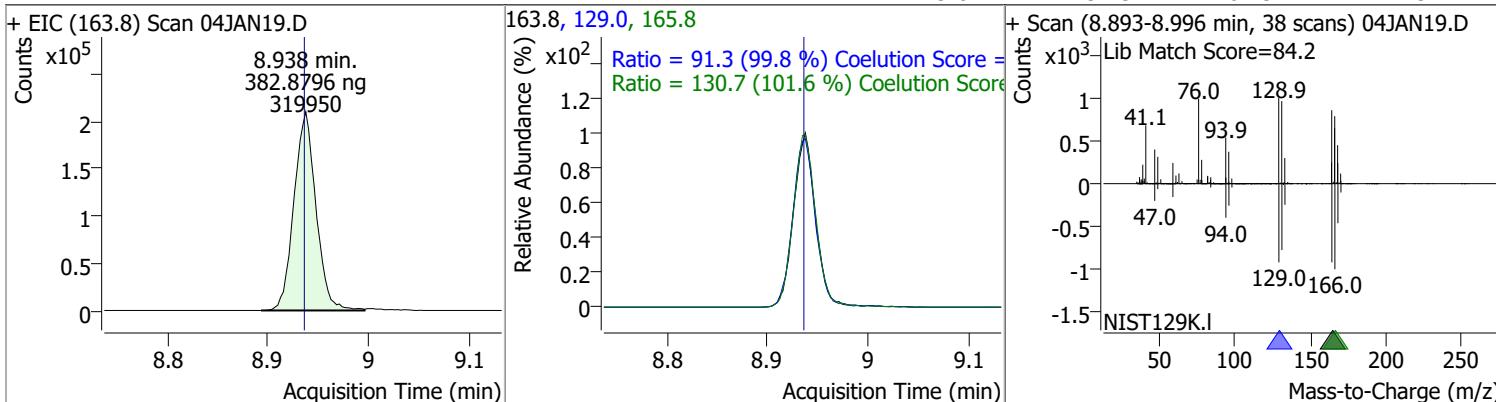
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1,2-Trichloroethane | 373.2534 | 8.82 | 0.00     | 152331 | 97.0 | 114.6  | 84.6  | 144.6 |
|                       |          |      |          |        | 85.0 | 66.7   | 37.6  | 97.6  |



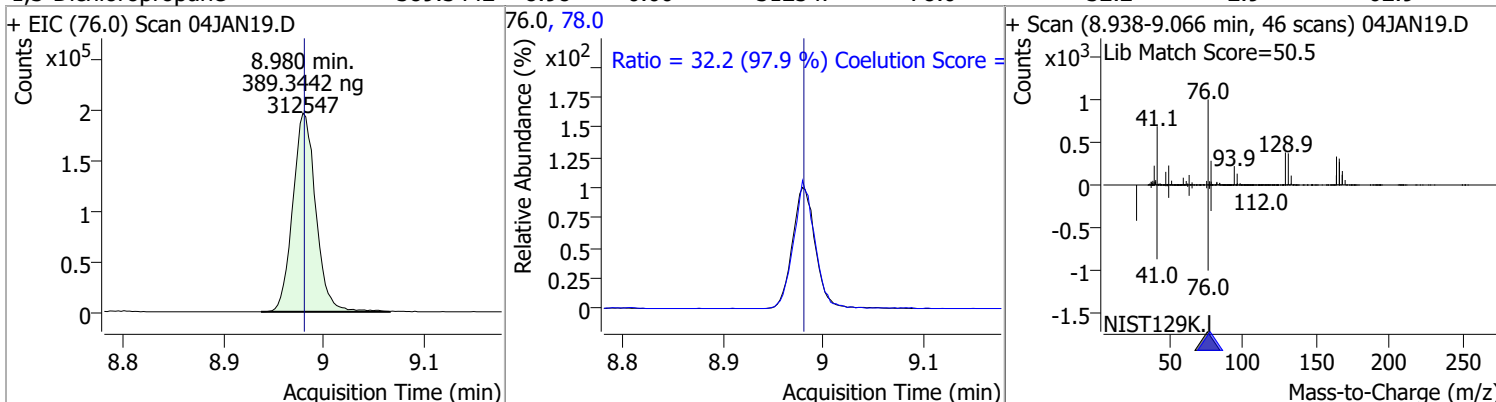


# Quantitation Results Report (QT Reviewed)

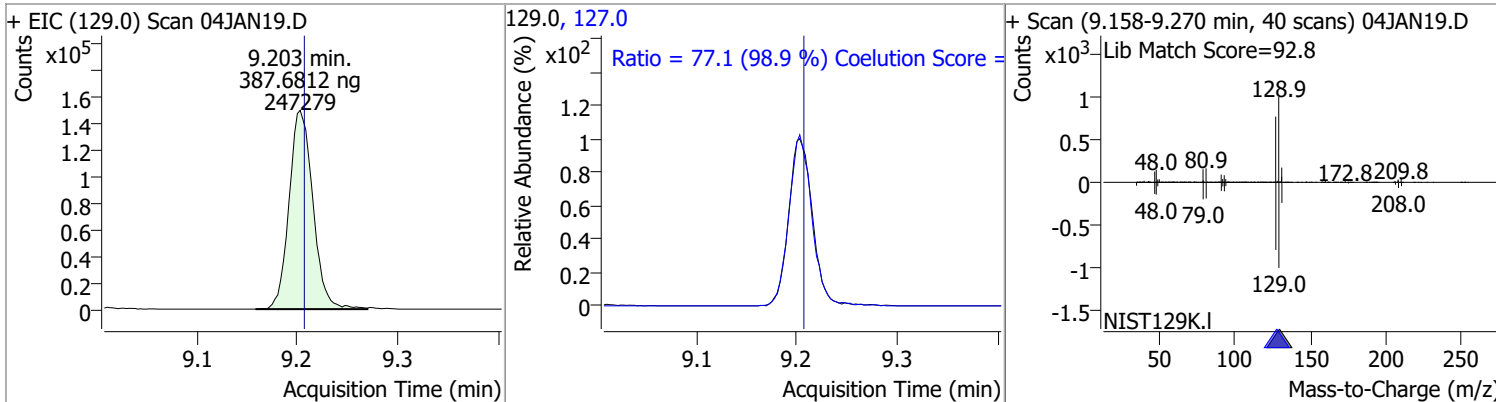
| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Tetrachloroethene | 382.8796 | 8.94 | 0.00     | 319950 | 165.8 | 130.7  | 98.6  | 158.6 |
|                   |          |      |          |        | 129.0 | 91.3   | 61.5  | 121.5 |



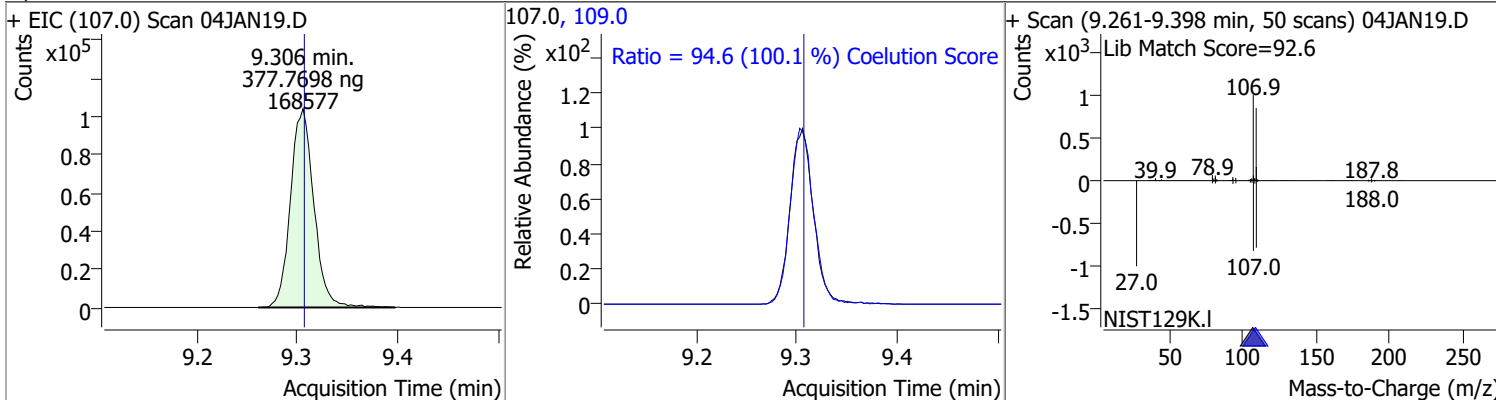
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,3-Dichloropropane | 389.3442 | 8.98 | 0.00     | 312547 | 78.0 | 32.2   | 2.9   | 62.9  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Chlorodibromomethane | 387.6812 | 9.20 | 0.00     | 247279 | 127.0 | 77.1   | 48.0  | 108.0 |



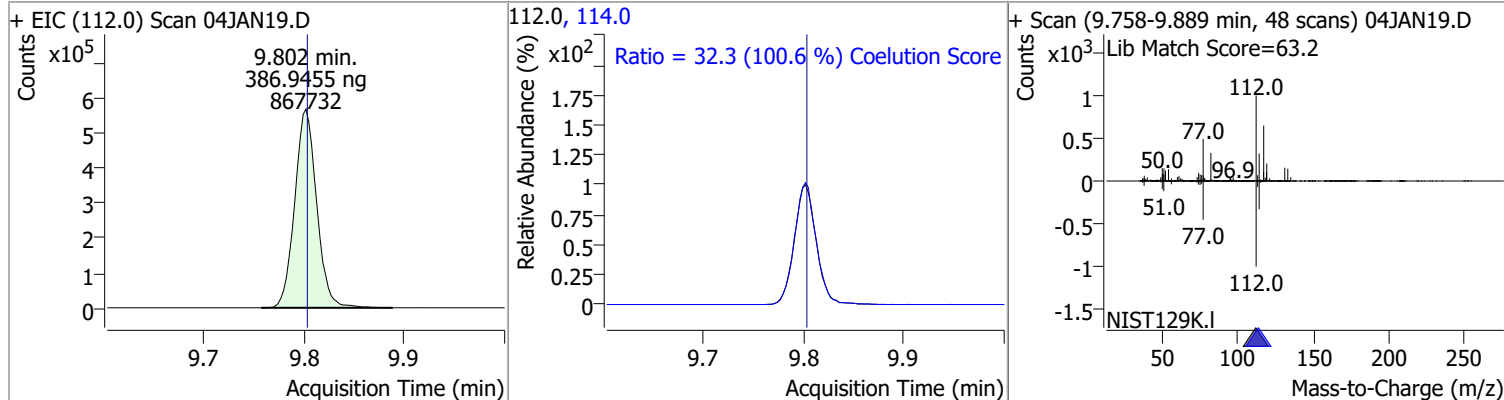
| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 377.7698 | 9.31 | 0.00     | 168577 | 109.0 | 94.6   | 64.5  | 124.5 |



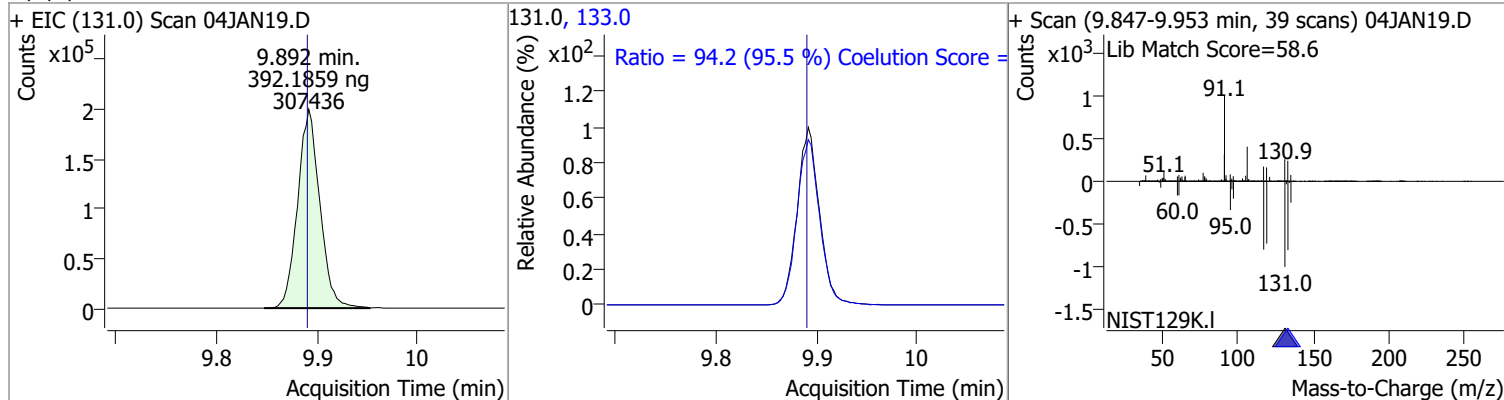


# Quantitation Results Report (QT Reviewed)

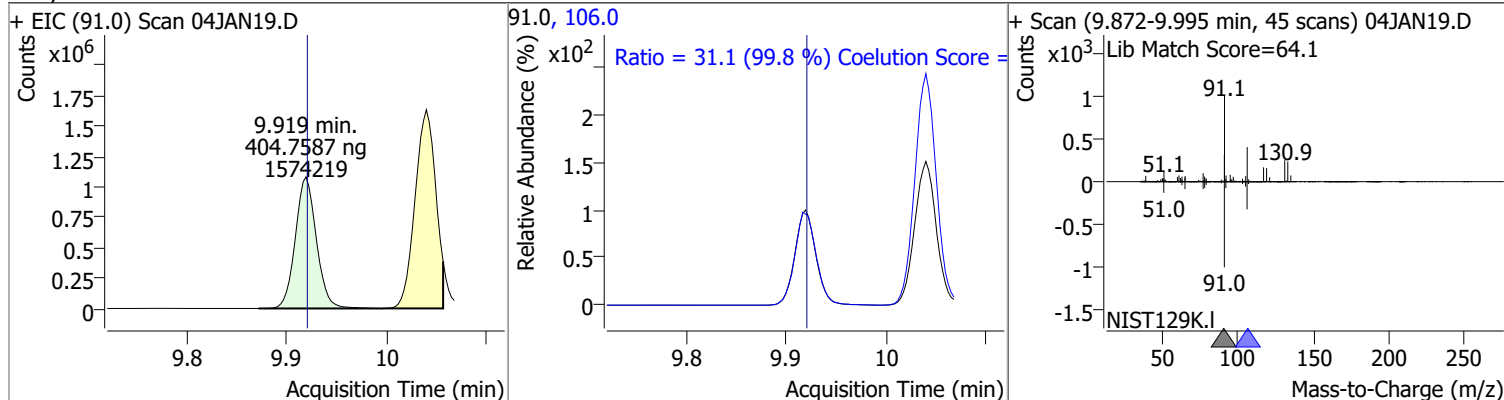
| Compound      | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------|----------|------|----------|--------|-------|--------|-------|-------|
| Chlorobenzene | 386.9455 | 9.80 | 0.00     | 867732 | 114.0 | 32.3   | 2.1   | 62.1  |



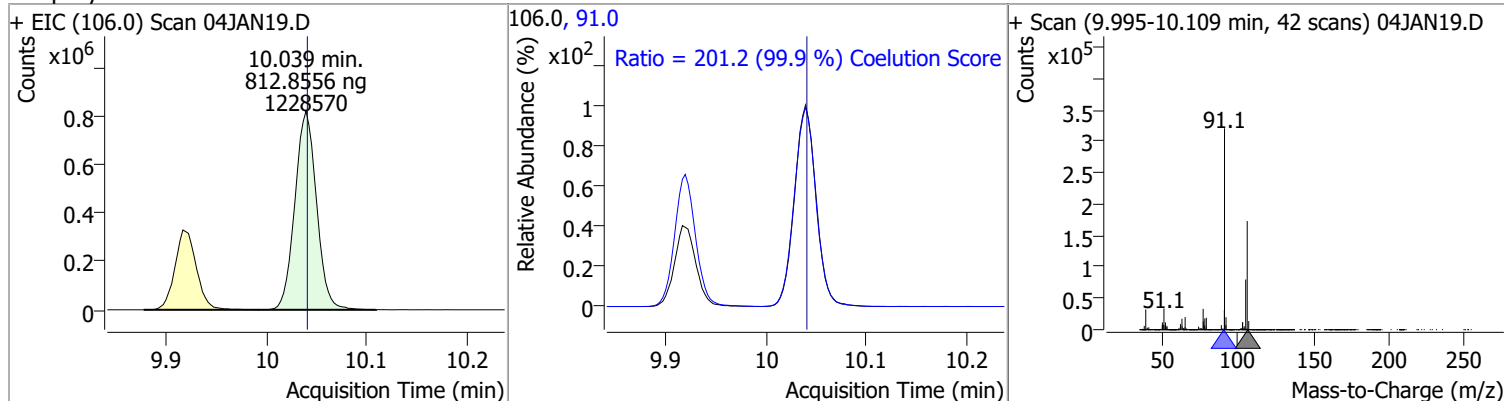
| Compound                  | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1,1,2-Tetrachloroethane | 392.1859 | 9.89 | 0.00     | 307436 | 133.0 | 94.2   | 68.6  | 128.6 |



| Compound     | Conc.    | RT   | Dev(Min) | Resp.   | QIon  | QRatio | Lower | Upper |
|--------------|----------|------|----------|---------|-------|--------|-------|-------|
| Ethylbenzene | 404.7587 | 9.92 | 0.00     | 1574219 | 106.0 | 31.1   | 1.1   | 61.1  |

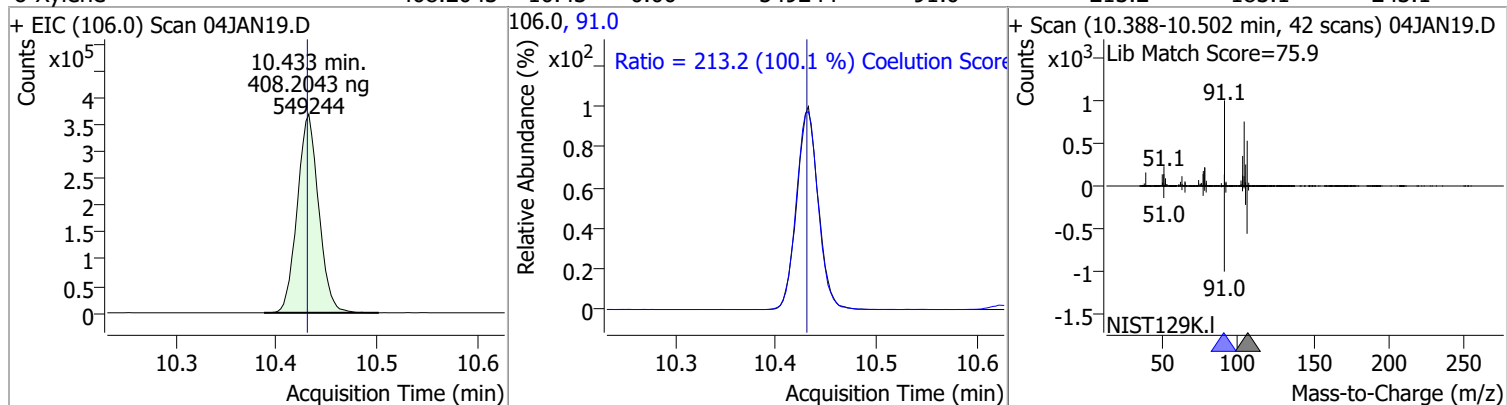


| Compound    | Conc.    | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|-------------|----------|-------|----------|---------|------|--------|-------|-------|
| m+p-Xylenes | 812.8556 | 10.04 | 0.00     | 1228570 | 91.0 | 201.2  | 171.4 | 231.4 |

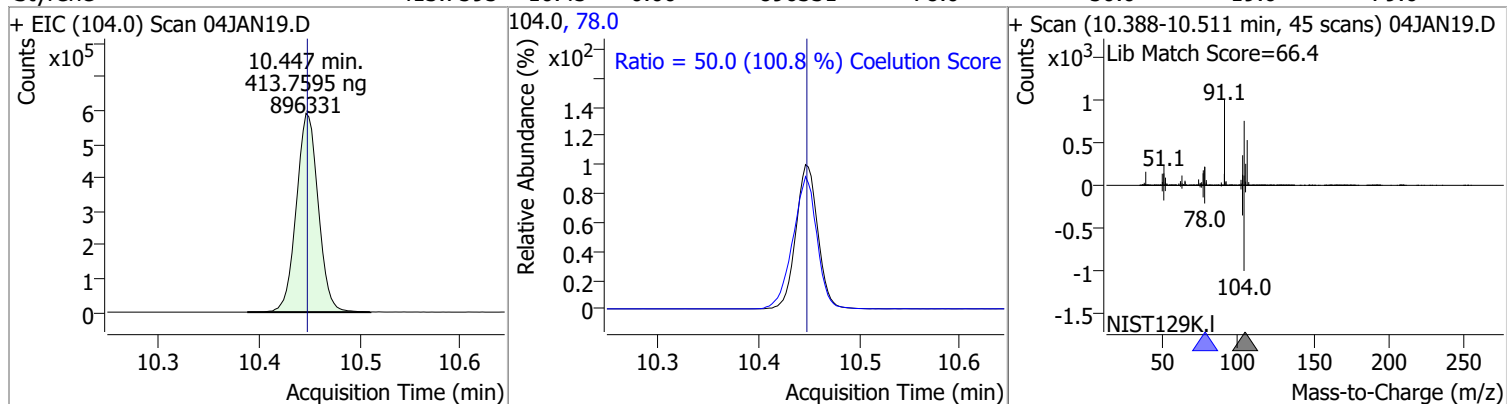


# Quantitation Results Report (QT Reviewed)

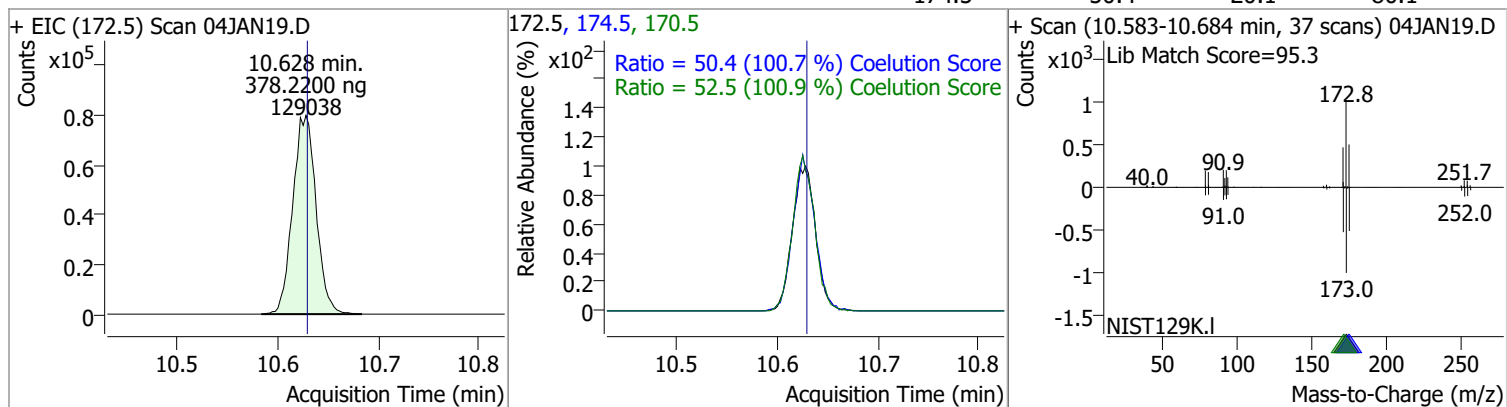
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 408.2043 | 10.43 | 0.00     | 549244 | 91.0 | 213.2  | 183.1 | 243.1 |



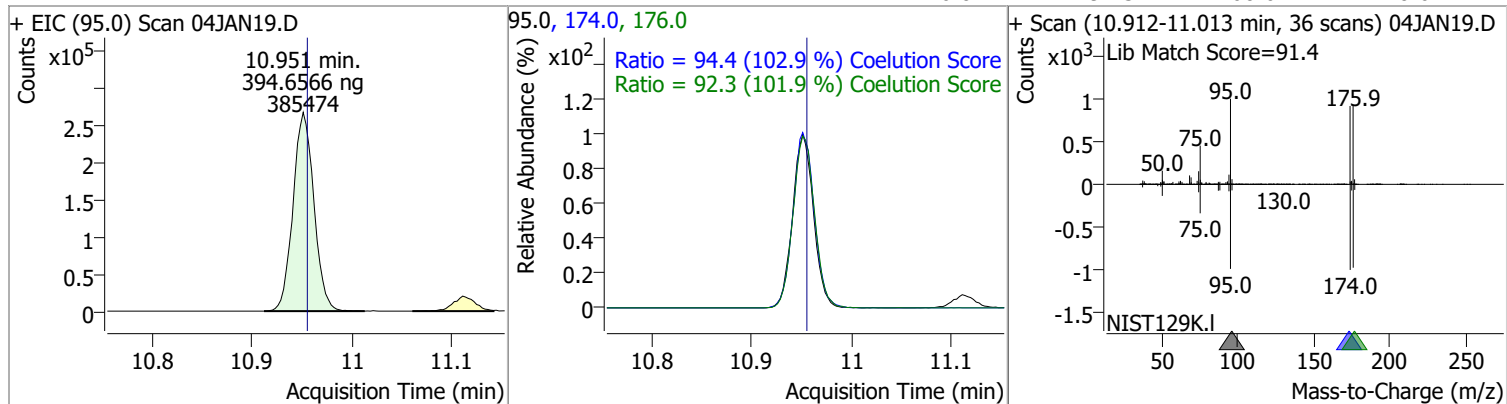
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| Styrene  | 413.7595 | 10.45 | 0.00     | 896331 | 78.0 | 50.0   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromoform | 378.2200 | 10.63 | 0.00     | 129038 | 170.5 | 52.5   | 22.1  | 82.1  |
|           |          |       |          |        | 174.5 | 50.4   | 20.1  | 80.1  |

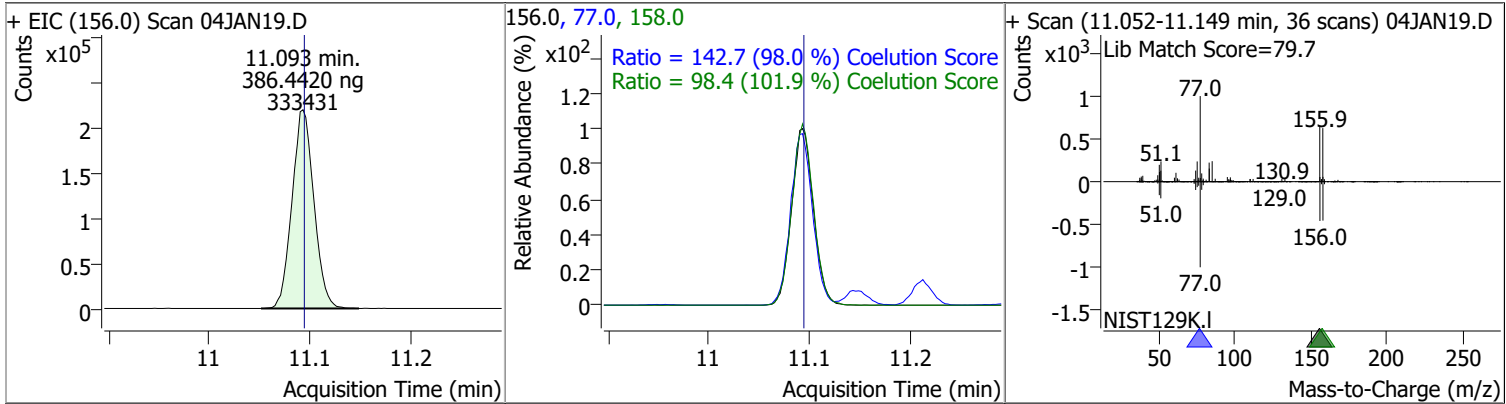


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 394.6566 | 10.95 | 0.00     | 385474 | 174.0 | 94.4   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 92.3   | 60.6  | 120.6 |

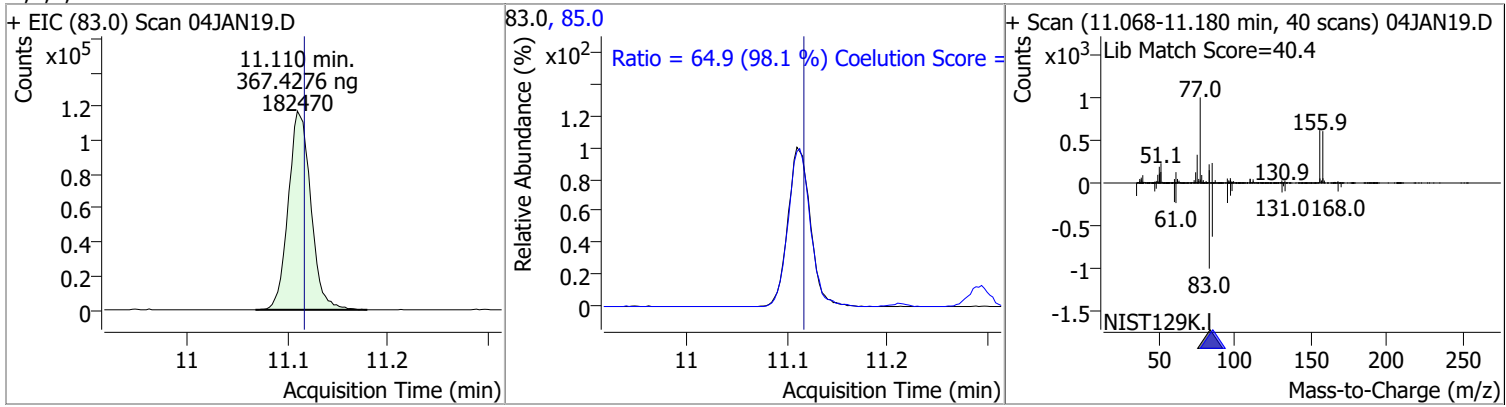


# Quantitation Results Report (QT Reviewed)

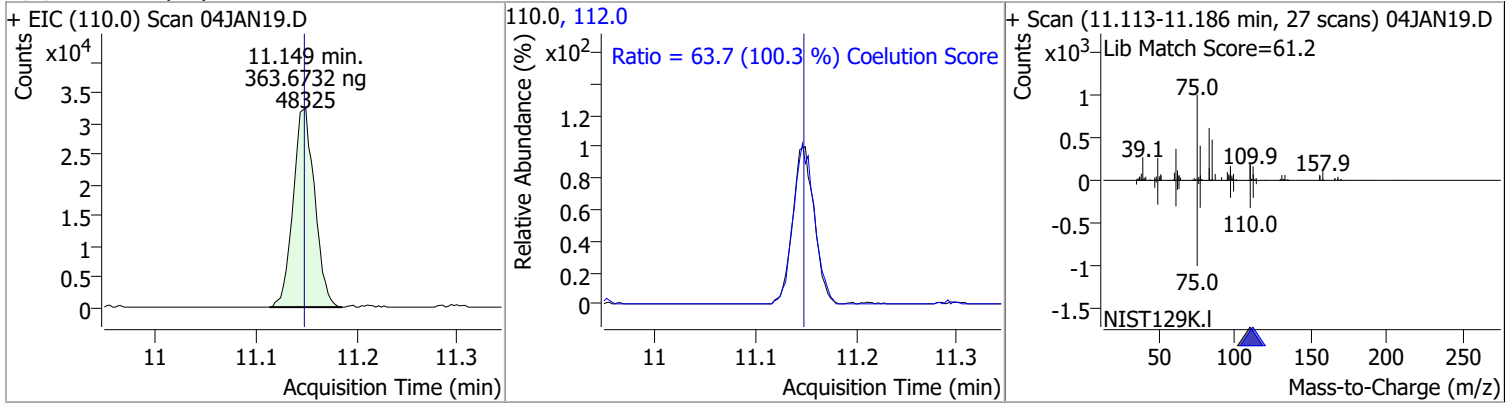
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 386.4420 | 11.09 | 0.00     | 333431 | 77.0  | 142.7  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 98.4   | 66.5  | 126.5 |



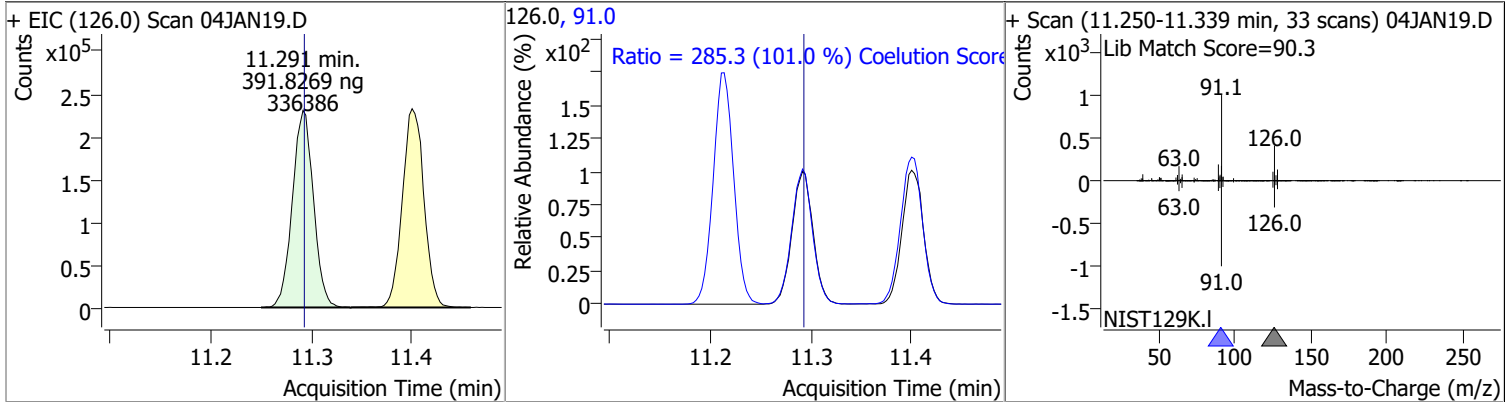
| Compound                  | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|--------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 367.4276 | 11.11 | -0.01    | 182470 | 85.0 | 64.9   | 36.2  | 96.2  |



| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 363.6732 | 11.15 | 0.00     | 48325 | 112.0 | 63.7   | 33.5  | 93.5  |

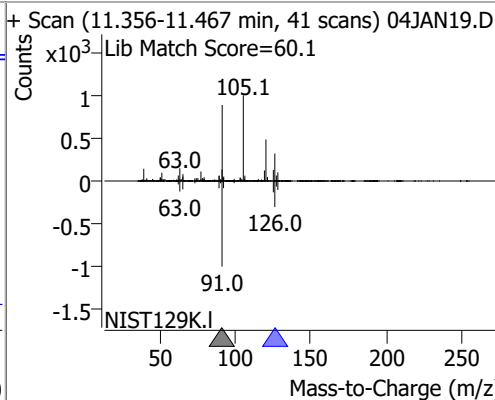
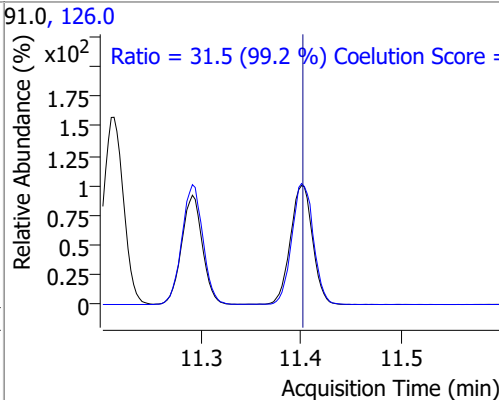
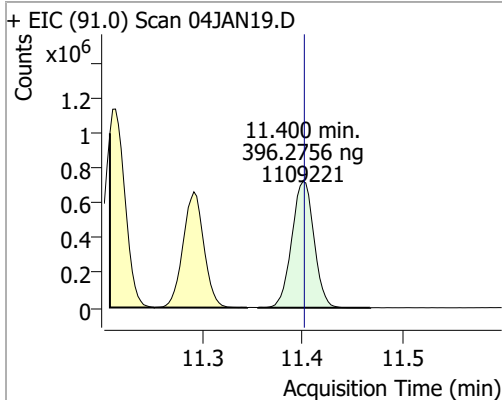


| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 391.8269 | 11.29 | 0.00     | 336386 | 91.0 | 285.3  | 252.3 | 312.3 |

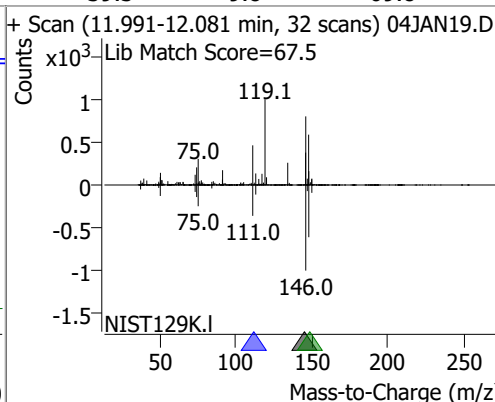
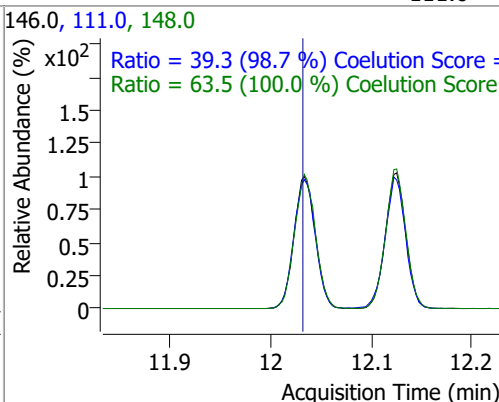
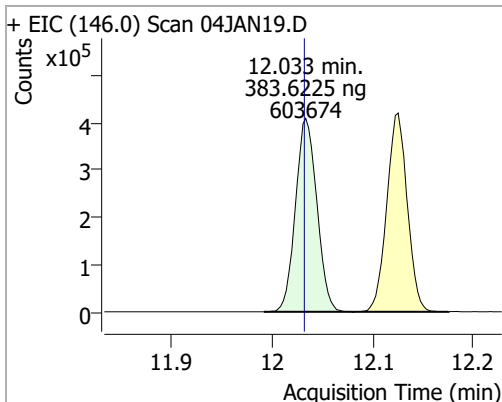


# Quantitation Results Report (QT Reviewed)

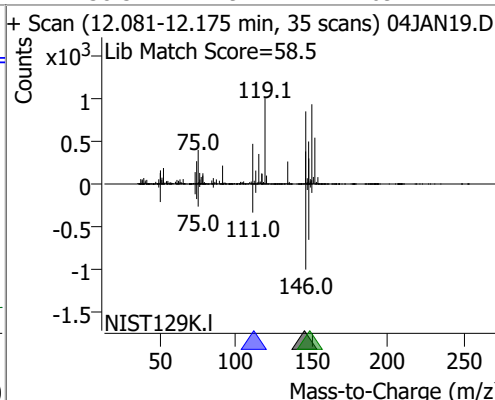
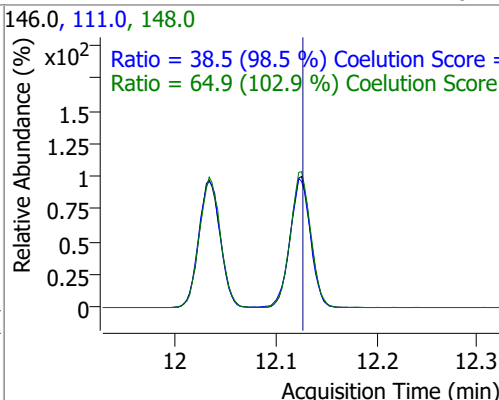
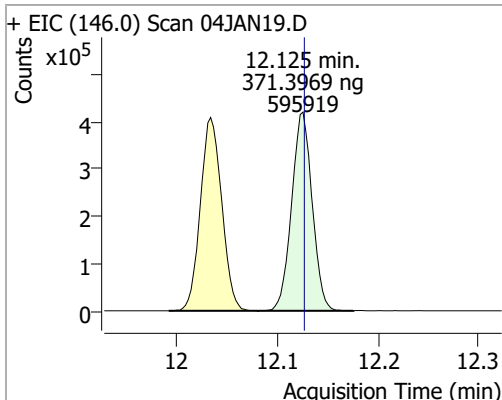
| Compound        | Conc.    | RT    | Dev(Min) | Resp.   | QIon  | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|---------|-------|--------|-------|-------|
| 4-Chlorotoluene | 396.2756 | 11.40 | 0.00     | 1109221 | 126.0 | 31.5   | 1.7   | 61.7  |



| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,3-Dichlorobenzene | 383.6225 | 12.03 | 0.00     | 603674 | 148.0 | 63.5   | 33.6  | 93.6  |
|                     |          |       |          |        | 111.0 | 39.3   | 9.8   | 69.8  |

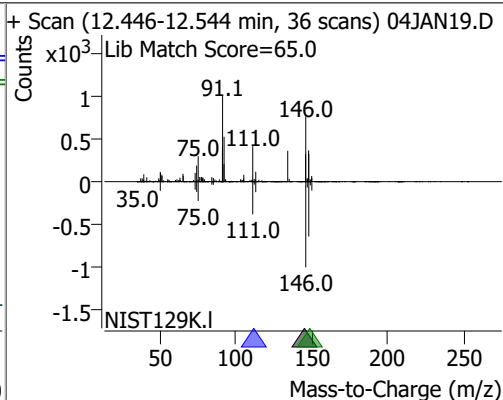
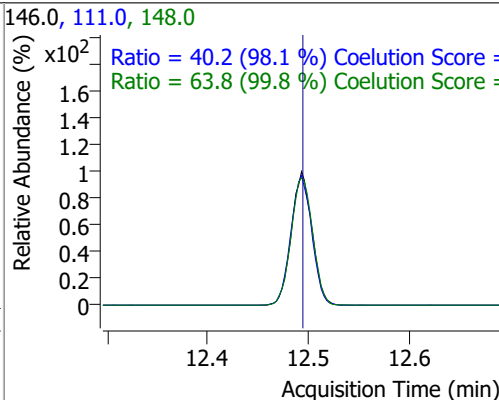
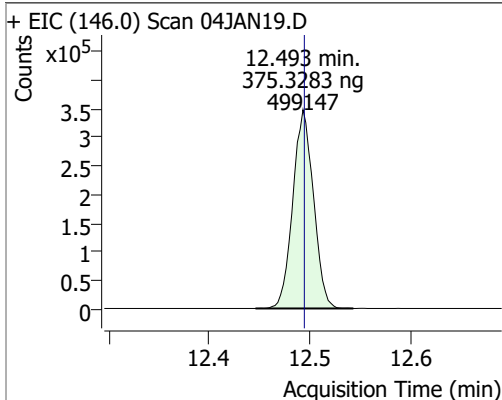


| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,4-Dichlorobenzene | 371.3969 | 12.13 | 0.00     | 595919 | 148.0 | 64.9   | 33.1  | 93.1  |
|                     |          |       |          |        | 111.0 | 38.5   | 9.1   | 69.1  |



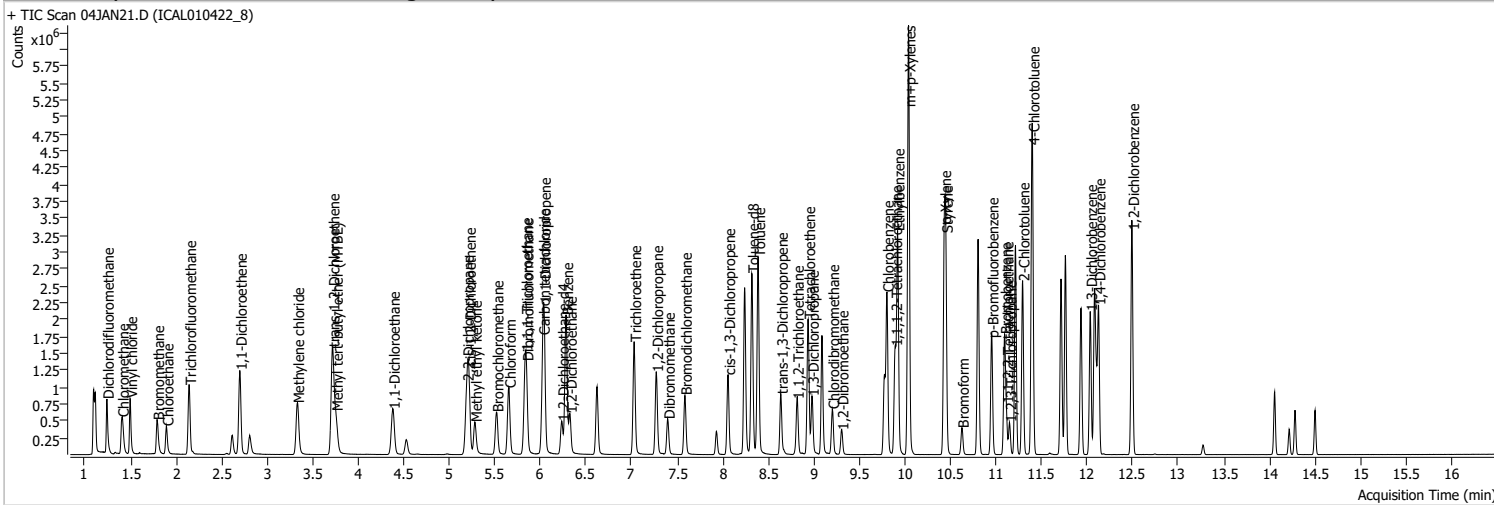
# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 375.3283 | 12.49 | 0.00     | 499147 | 148.0 | 63.8   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 40.2   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN21.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 8:34:31 PM   |
| Sample Name    | ICAL010422_8                        | Instrument        | VOA5975C              |
| Vial           | 21                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.   | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|---------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |         |                    |       |          |
| M Fluorobenzene                    | 6.621                | 96.0  | 841364  | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 313585  | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.103               | 152.0 | 262971  | 250.0000           | ng    | 0.003    |
| <b>System Monitoring Compounds</b> |                      |       |         |                    |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 404568  | 510.3991           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |         | Recovery = 204.16% | *     |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 174713  | 510.3080           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |         | Recovery = 204.12% | *     |          |
| S Toluene-d8                       | 8.319                | 98.0  | 1644540 | 544.2136           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |         | Recovery = 217.69% | *     |          |
| S p-Bromofluorobenzene             | 10.949               | 95.0  | 521580  | 541.3964           | ng    | -0.006   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |         | Recovery = 216.56% | *     |          |
| <b>Target Compounds</b>            |                      |       |         |                    |       |          |
| T Dichlorodifluoromethane          | 1.241                | 85.0  | 545484  | 494.7474           | ng    | 99       |
| T Chloromethane                    | 1.406                | 50.0  | 642582  | 480.1747           | ng    | 100      |
| T Vinyl chloride                   | 1.495                | 62.0  | 600092  | 498.3563           | ng    | 95       |
| T Bromomethane                     | 1.793                | 96.0  | 277301  | 515.0141           | ng    | 98       |
| T Chloroethane                     | 1.894                | 64.0  | 287041  | 481.5143           | ng    | 98       |
| T Trichlorofluoromethane           | 2.145                | 101.0 | 731829  | 489.6475           | ng    | 99       |
| T 1,1-Dichloroethene               | 2.700                | 96.0  | 436507  | 515.0603           | ng    | 98       |
| T Methylene chloride               | 3.330                | 49.0  | 583438  | 466.9993           | ng    | 98       |
| T trans-1,2-Dichloroethene         | 3.718                | 96.0  | 440967  | 510.0097           | ng    | 98       |
| T Methyl tert-butyl ether (MTBE)   | 3.754                | 73.0  | 584294  | 522.8187           | ng    | 99       |
| T 1,1-Dichloroethane               | 4.378                | 63.0  | 829359  | 515.3207           | ng    | 99       |
| T 2,2-Dichloropropane              | 5.190                | 77.0  | 601823  | 499.0473           | ng    | 98       |
| T cis-1,2-Dichloroethene           | 5.212                | 96.0  | 452377  | 516.0544           | ng    | 99       |
| T Methyl ethyl ketone              | 5.279                | 43.0  | 632539  | 5327.1253          | ng    | 99       |
| T Bromochloromethane               | 5.519                | 128.0 | 179618  | 494.6054           | ng    | 98       |
| T Chloroform                       | 5.653                | 83.0  | 783422  | 489.1221           | ng    | 99       |

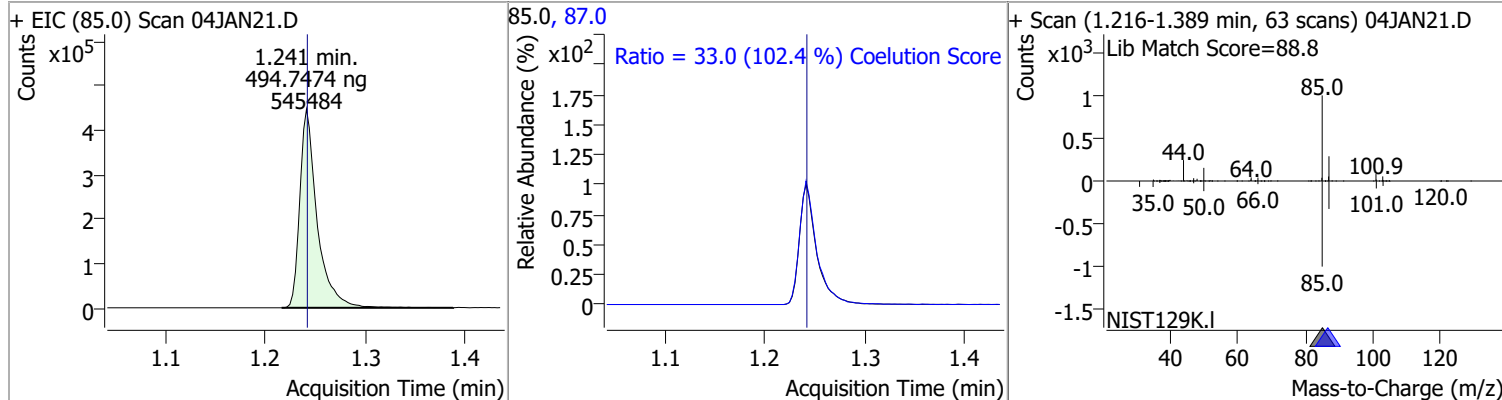
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.   | Conc.     | Units | Dev(Min) |
|-----------------------------|--------|-------|---------|-----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.834  | 97.0  | 778785  | 518.8312  | ng    | 99       |
| T Carbon tetrachloride      | 6.024  | 117.0 | 770907  | 521.2630  | ng    | 98       |
| T 1,1-Dichloropropene       | 6.038  | 75.0  | 693669  | 543.5121  | ng    | 99       |
| T Benzene                   | 6.280  | 78.0  | 1714050 | 511.6658  | ng    | 100      |
| T 1,2-Dichloroethane        | 6.322  | 62.0  | 450739  | 497.3699  | ng    | 100      |
| T Trichloroethene           | 7.028  | 95.0  | 505400  | 534.4007  | ng    | 99       |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 436057  | 524.1695  | ng    | 100      |
| T Dibromomethane            | 7.396  | 93.0  | 176038  | 500.7456  | ng    | 98       |
| T Bromodichloromethane      | 7.585  | 83.0  | 502929  | 518.3718  | ng    | 100      |
| T cis-1,3-Dichloropropene   | 8.059  | 75.0  | 591147  | 538.9008  | ng    | 99       |
| T Toluene                   | 8.389  | 92.0  | 1095161 | 536.5101  | ng    | 99       |
| T trans-1,3-Dichloropropene | 8.637  | 75.0  | 416771  | 533.7551  | ng    | 99       |
| T 1,1,2-Trichloroethane     | 8.815  | 83.0  | 205463  | 505.1803  | ng    | 97       |
| T Tetrachloroethene         | 8.938  | 163.8 | 428812  | 514.9255  | ng    | 100      |
| T 1,3-Dichloropropane       | 8.980  | 76.0  | 408993  | 511.2479  | ng    | 100      |
| T Chlorodibromomethane      | 9.203  | 129.0 | 330813  | 520.4361  | ng    | 99       |
| T 1,2-Dibromoethane         | 9.303  | 107.0 | 225877  | 507.9234  | ng    | 99       |
| T Chlorobenzene             | 9.802  | 112.0 | 1153147 | 515.9957  | ng    | 100      |
| T 1,1,1,2-Tetrachloroethane | 9.892  | 131.0 | 406450  | 520.2855  | ng    | 98       |
| T Ethylbenzene              | 9.919  | 91.0  | 2111152 | 544.6881  | ng    | 100      |
| T m+p-Xylenes               | 10.039 | 106.0 | 1637879 | 1087.4082 | ng    | 99       |
| T o-Xylene                  | 10.430 | 106.0 | 734101  | 547.4764  | ng    | 100      |
| T Styrene                   | 10.449 | 104.0 | 1199879 | 555.7946  | ng    | 99       |
| T Bromoform                 | 10.625 | 172.5 | 175918  | 522.7660  | ng    | 98       |
| T Bromobenzene              | 11.094 | 156.0 | 439147  | 516.0104  | ng    | 98       |
| T 1,1,2,2-Tetrachloroethane | 11.113 | 83.0  | 240837  | 491.6700  | ng    | 99       |
| T 1,2,3-Trichloropropane    | 11.146 | 110.0 | 64422   | 491.5229  | ng    | 99       |
| T 2-Chlorotoluene           | 11.292 | 126.0 | 455991  | 538.4964  | ng    | 99       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 1468376 | 531.8471  | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 793993  | 511.5504  | ng    | 100      |
| T 1,4-Dichlorobenzene       | 12.125 | 146.0 | 794954  | 502.3001  | ng    | 99       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 664247  | 506.3871  | ng    | 99       |

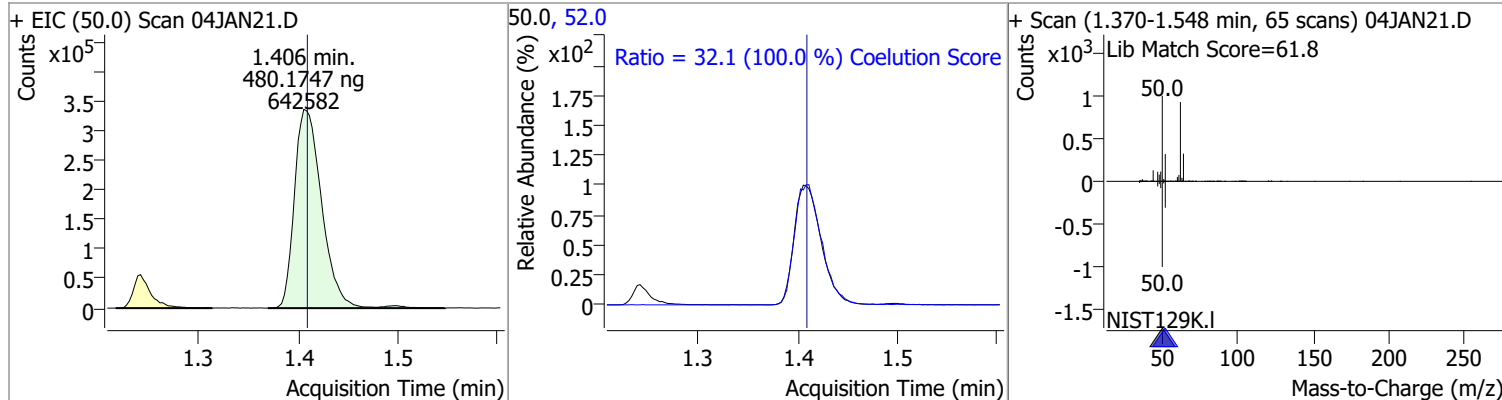
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

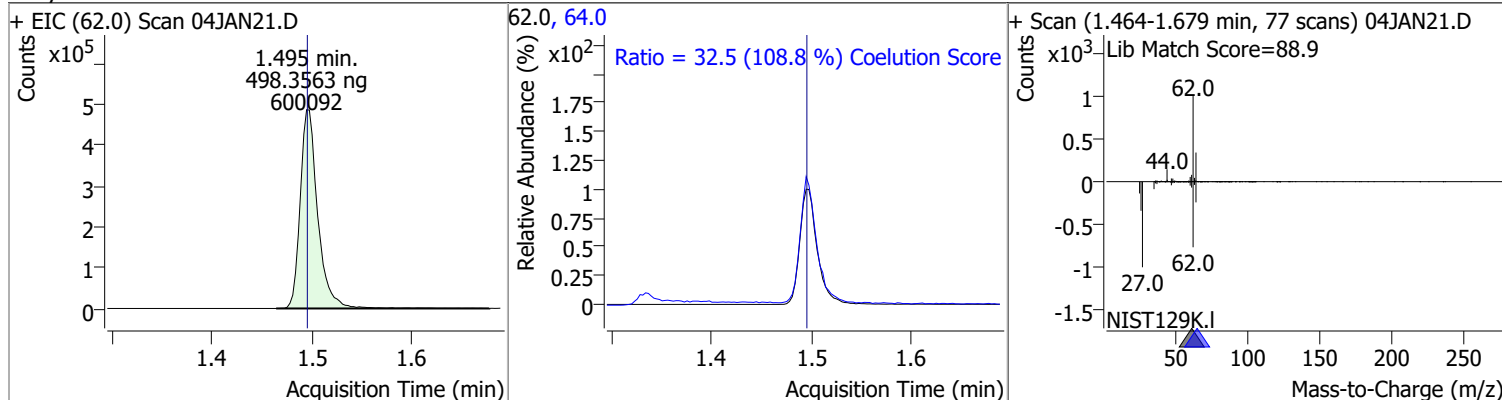
| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Dichlorodifluoromethane | 494.7474 | 1.24 | 0.00     | 545484 | 87.0 | 33.0   | 2.3   | 62.3  |



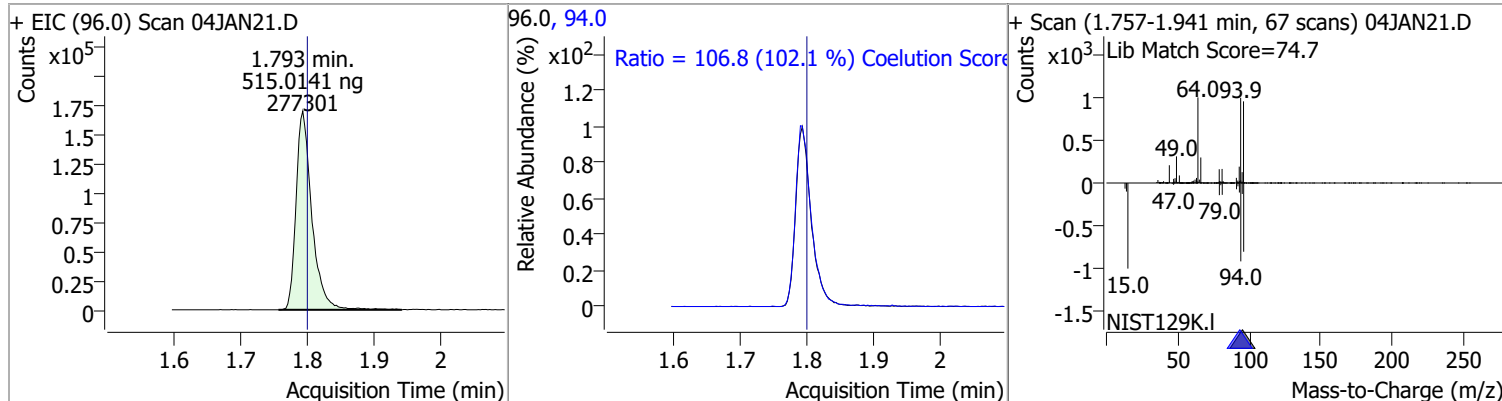
| Compound      | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloromethane | 480.1747 | 1.41 | 0.00     | 642582 | 52.0 | 32.1   | 2.1   | 62.1  |



| Compound       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------------|----------|------|----------|--------|------|--------|-------|-------|
| Vinyl chloride | 498.3563 | 1.50 | 0.00     | 600092 | 64.0 | 32.5   | 0.0   | 59.9  |



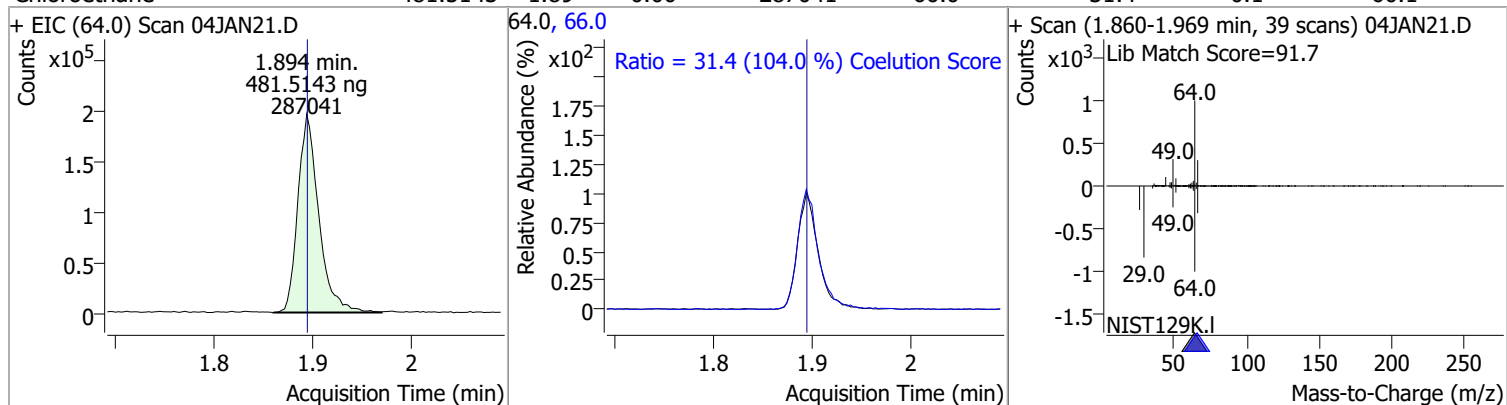
| Compound     | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|--------|------|--------|-------|-------|
| Bromomethane | 515.0141 | 1.79 | -0.01    | 277301 | 94.0 | 106.8  | 74.6  | 134.6 |



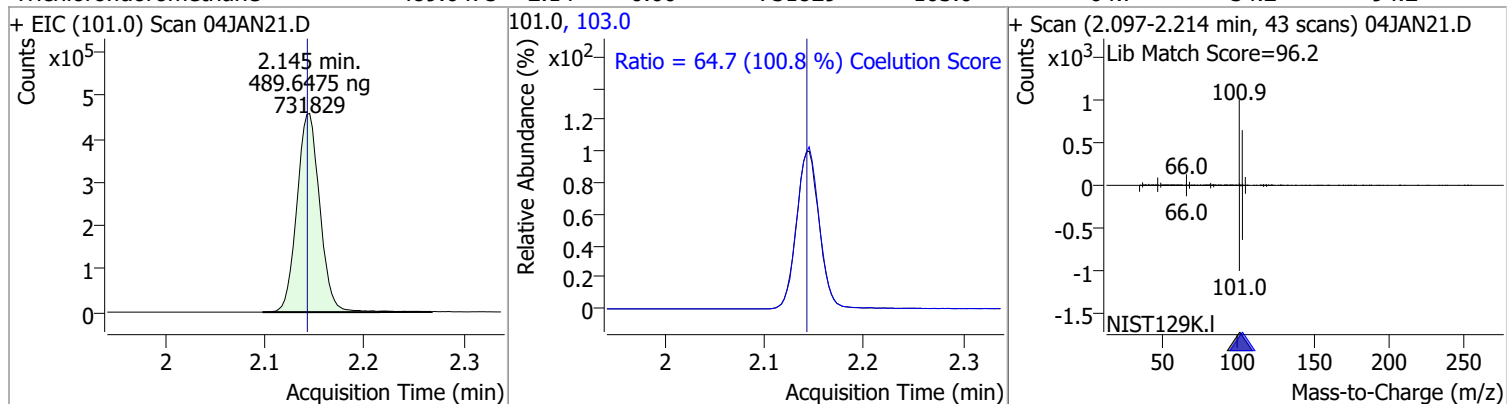


# Quantitation Results Report (QT Reviewed)

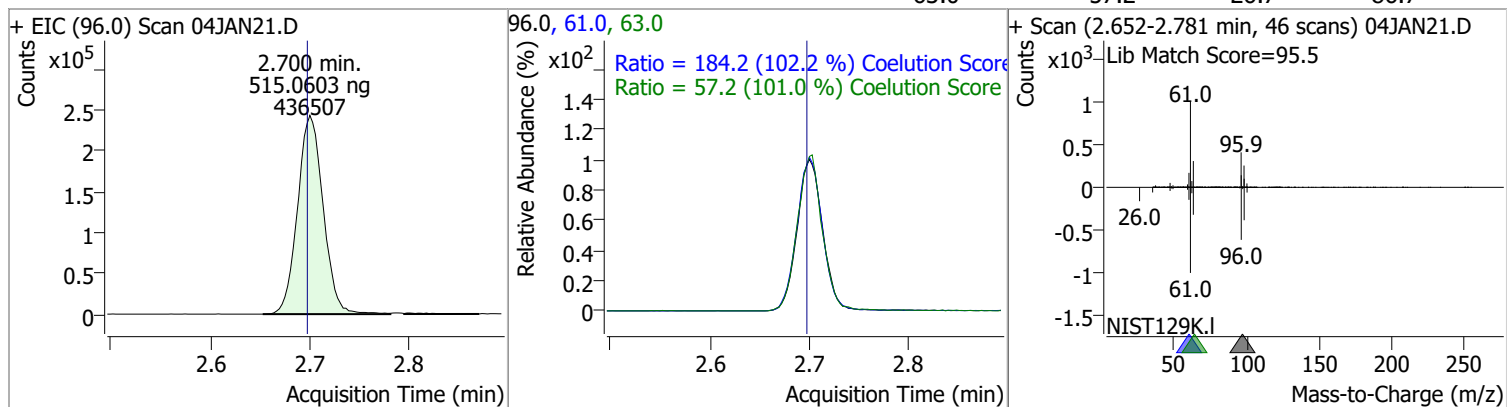
| Compound     | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroethane | 481.5143 | 1.89 | 0.00     | 287041 | 66.0 | 31.4   | 0.1   | 60.1  |



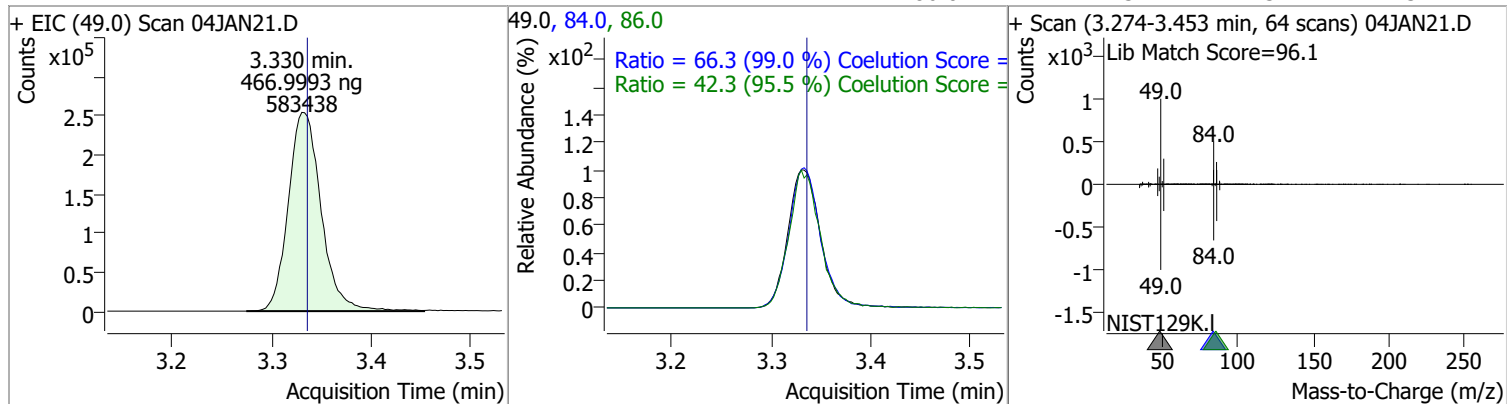
|                        |          |      |      |        |       |      |      |      |
|------------------------|----------|------|------|--------|-------|------|------|------|
| Trichlorofluoromethane | 489.6475 | 2.14 | 0.00 | 731829 | 103.0 | 64.7 | 34.2 | 94.2 |
|------------------------|----------|------|------|--------|-------|------|------|------|



|                    |          |      |      |        |      |       |       |       |
|--------------------|----------|------|------|--------|------|-------|-------|-------|
| 1,1-Dichloroethene | 515.0603 | 2.70 | 0.00 | 436507 | 61.0 | 184.2 | 150.3 | 210.3 |
|                    |          |      |      |        | 63.0 | 57.2  | 26.7  | 86.7  |

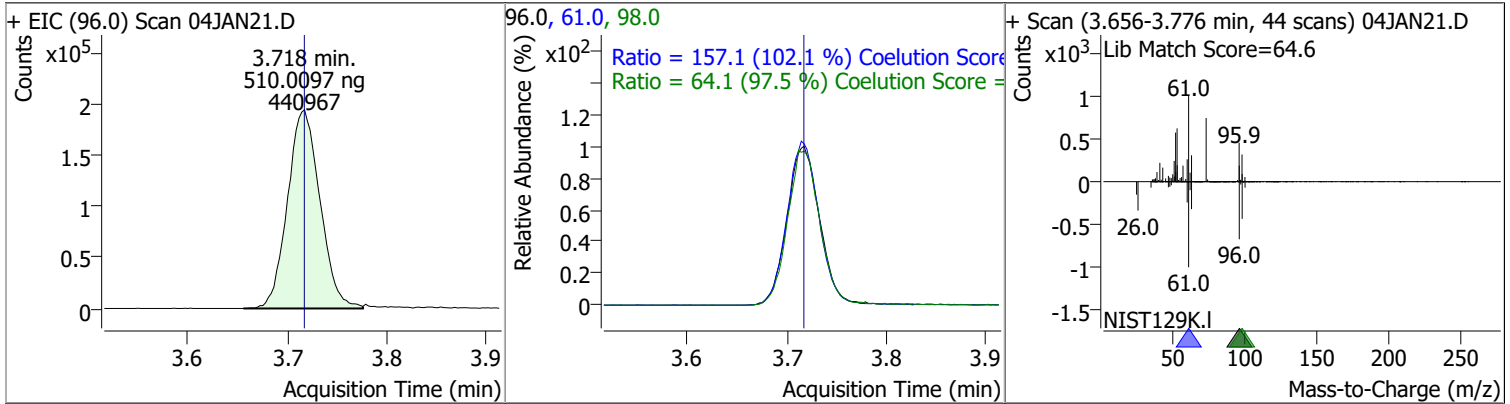


|                    |          |      |       |        |      |      |      |      |
|--------------------|----------|------|-------|--------|------|------|------|------|
| Methylene chloride | 466.9993 | 3.33 | -0.01 | 583438 | 84.0 | 66.3 | 36.9 | 96.9 |
|                    |          |      |       |        | 86.0 | 42.3 | 14.3 | 74.3 |

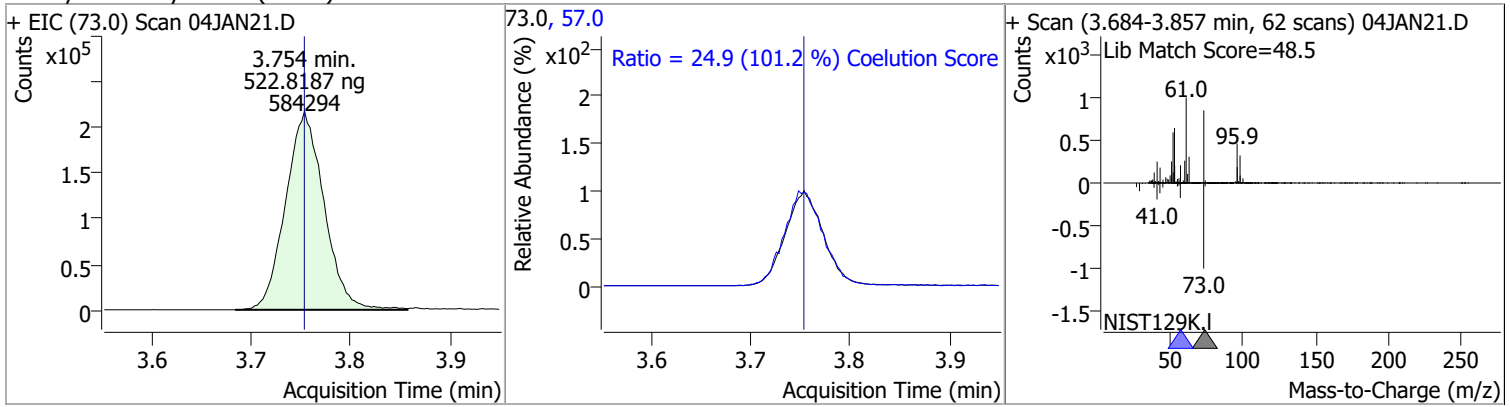


# Quantitation Results Report (QT Reviewed)

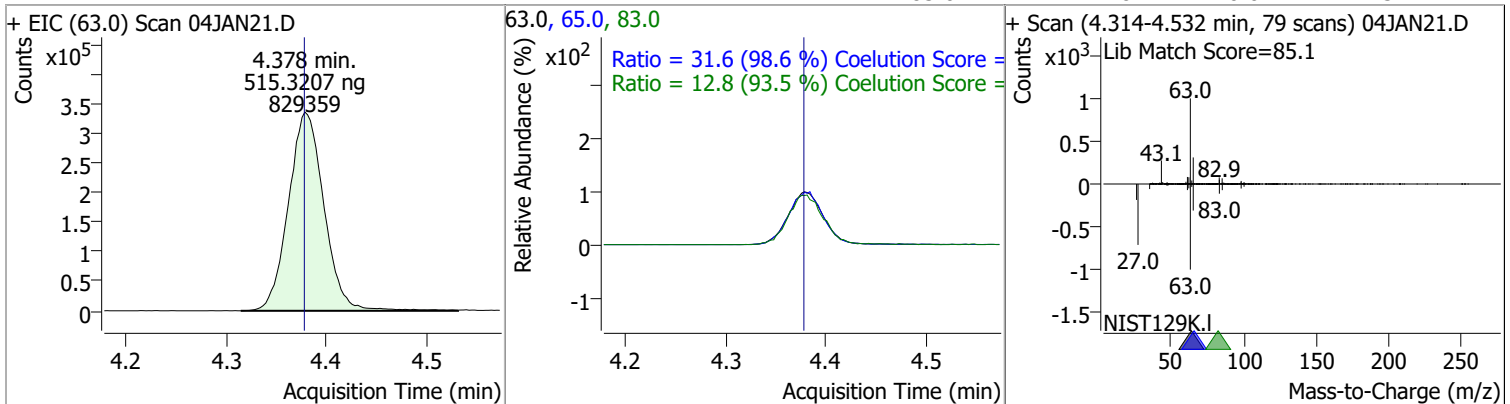
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 510.0097 | 3.72 | 0.00     | 440967 | 61.0 | 157.1  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 64.1   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 522.8187 | 3.75 | 0.00     | 584294 | 57.0 | 24.9   | 0.0   | 54.6  |

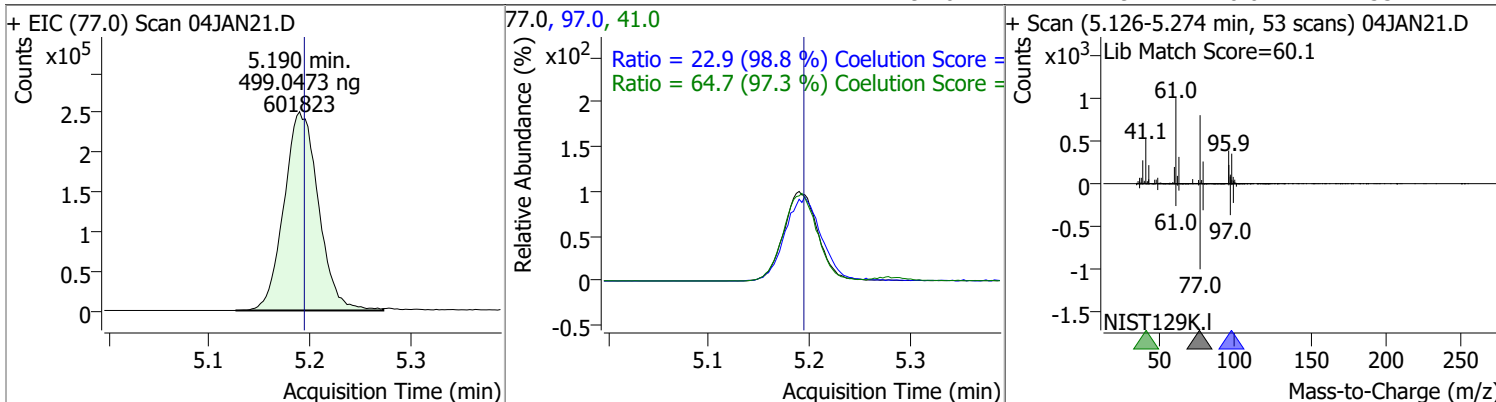


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 515.3207 | 4.38 | 0.00     | 829359 | 65.0 | 31.6   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 12.8   | 0.0   | 43.7  |

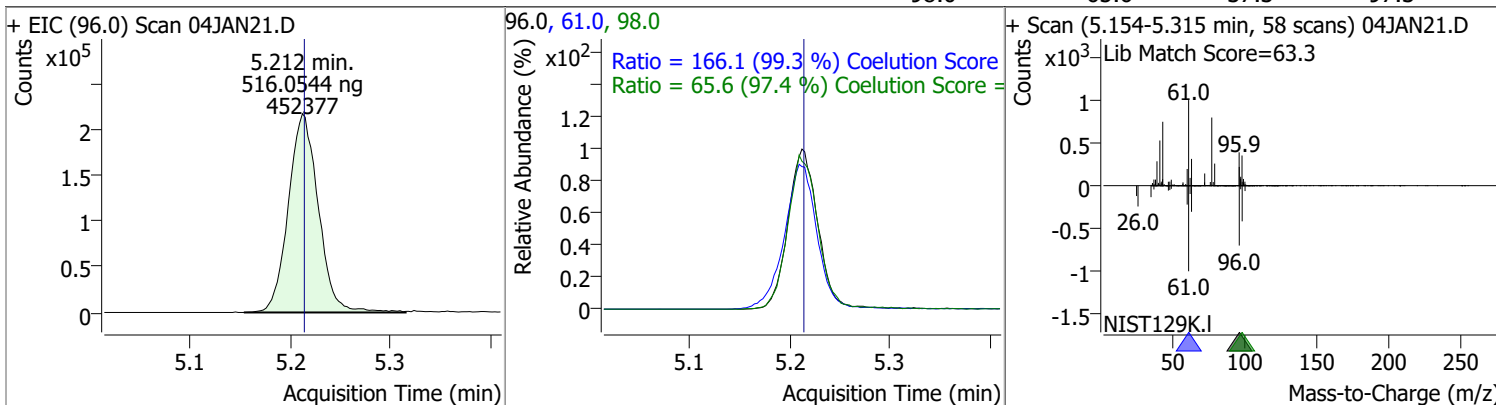


# Quantitation Results Report (QT Reviewed)

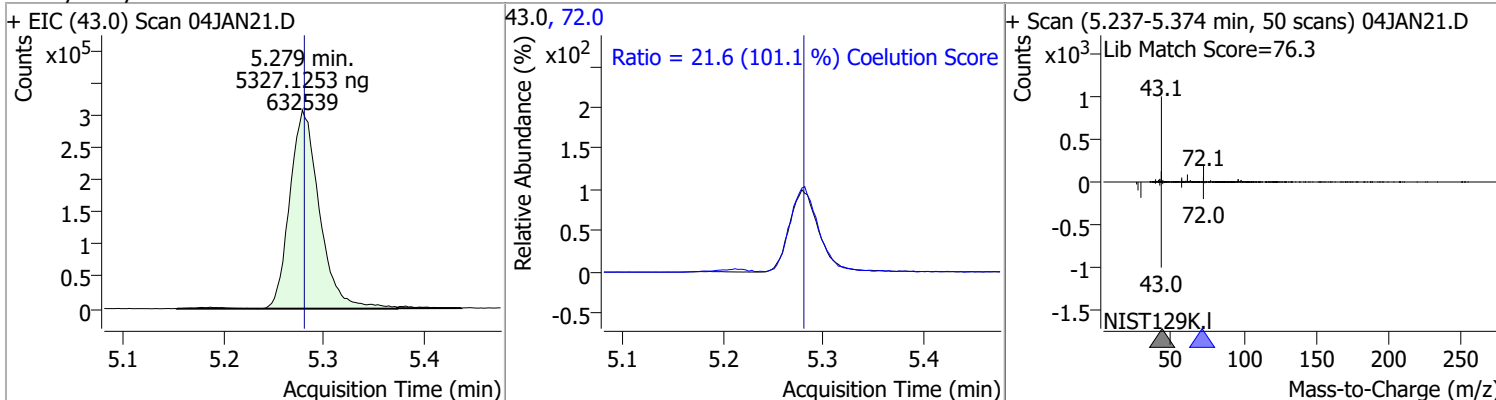
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 499.0473 | 5.19 | -0.01    | 601823 | 41.0 | 64.7   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 22.9   | 0.0   | 53.2  |



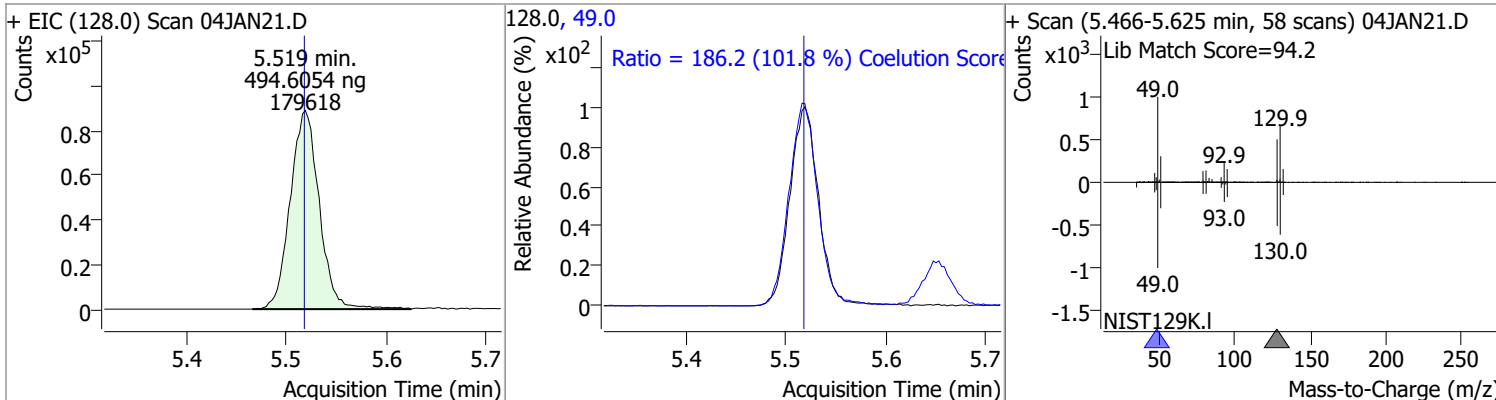
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 516.0544 | 5.21 | 0.00     | 452377 | 61.0 | 166.1  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 65.6   | 37.3  | 97.3  |



| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 5327.1253 | 5.28 | 0.00     | 632539 | 72.0 | 21.6   | 0.0   | 51.3  |

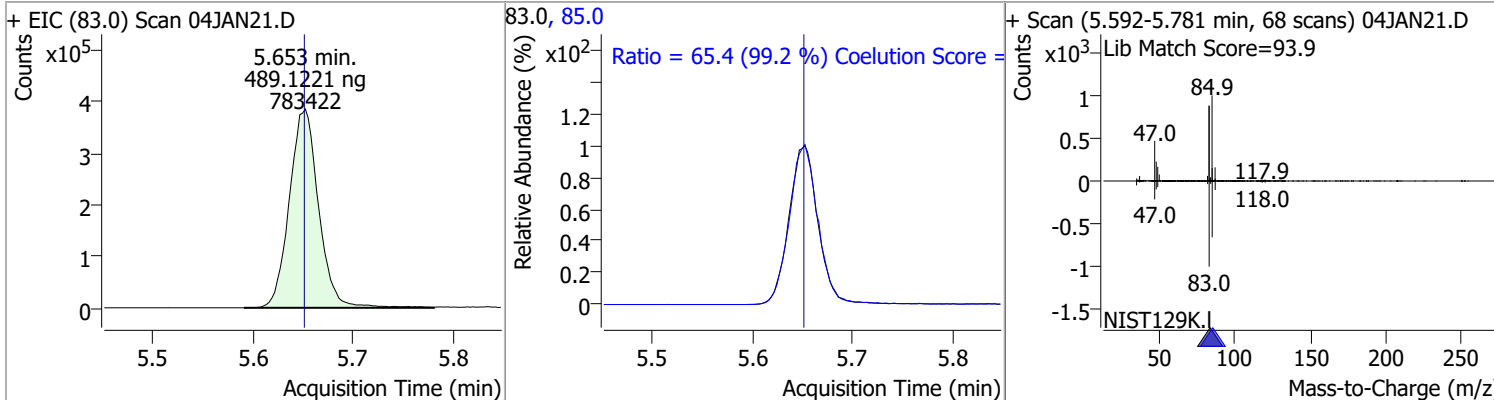


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Bromochloromethane | 494.6054 | 5.52 | 0.00     | 179618 | 49.0 | 186.2  | 152.9 | 212.9 |

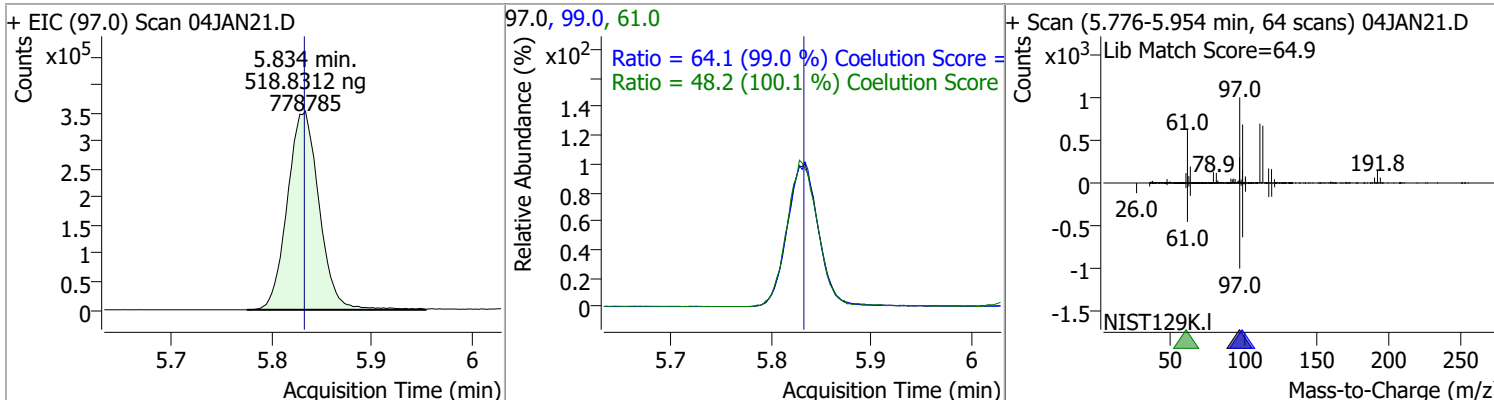


# Quantitation Results Report (QT Reviewed)

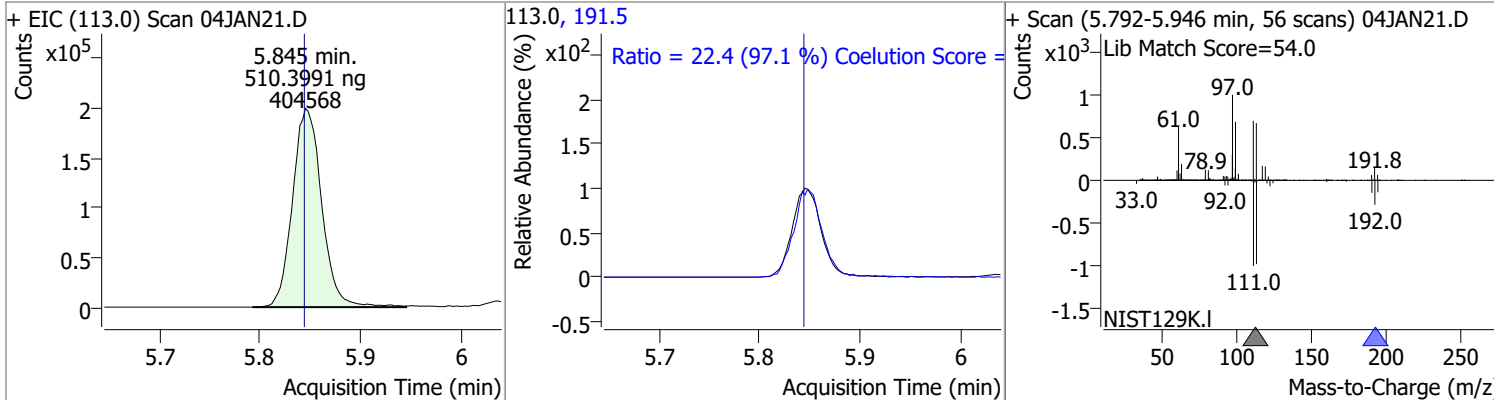
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroform | 489.1221 | 5.65 | 0.00     | 783422 | 85.0 | 65.4   | 36.0  | 96.0  |



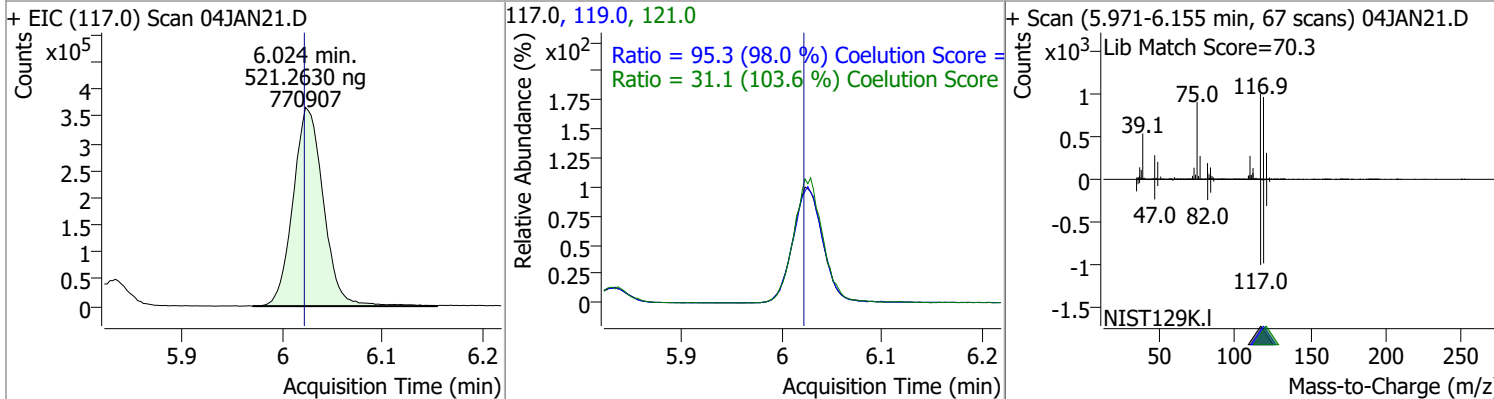
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 518.8312 | 5.83 | 0.00     | 778785 | 99.0 | 64.1   | 34.7  | 94.7  |
|                       |          |      |          |        | 61.0 | 48.2   | 18.1  | 78.1  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromofluoromethane | 510.3991 | 5.85 | 0.00     | 404568 | 191.5 | 22.4   | 0.0   | 53.1  |

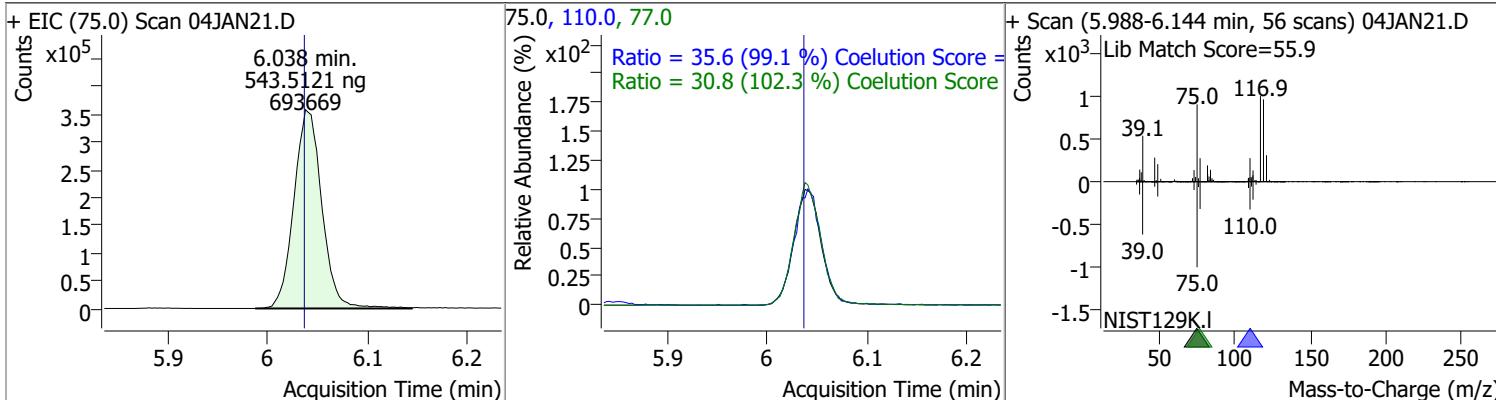


| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Carbon tetrachloride | 521.2630 | 6.02 | 0.00     | 770907 | 119.0 | 95.3   | 67.2  | 127.2 |
|                      |          |      |          |        | 121.0 | 31.1   | 0.1   | 60.1  |

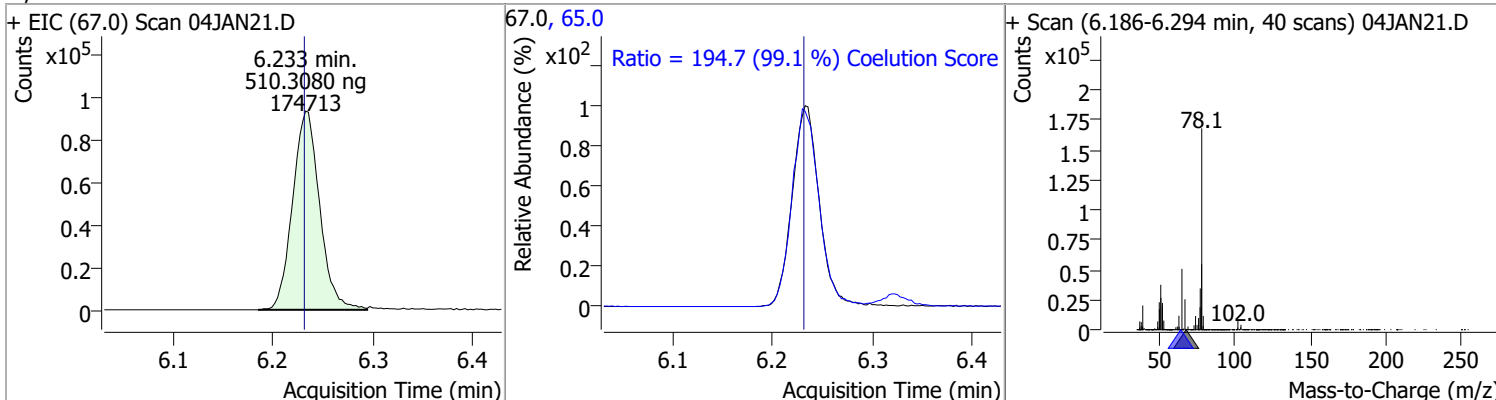


# Quantitation Results Report (QT Reviewed)

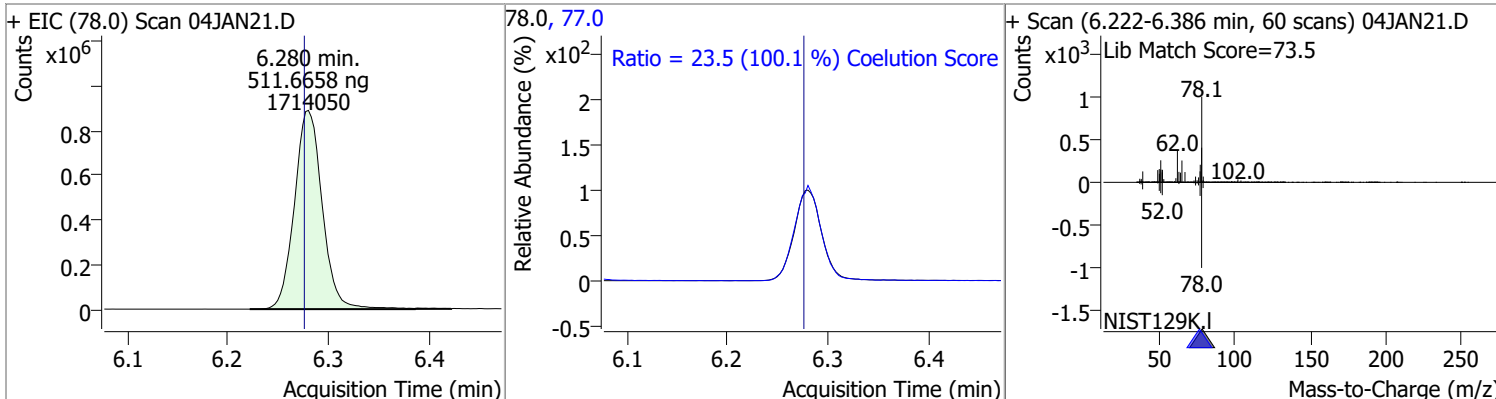
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 543.5121 | 6.04 | 0.00     | 693669 | 110.0 | 35.6   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.8   | 0.1   | 60.1  |



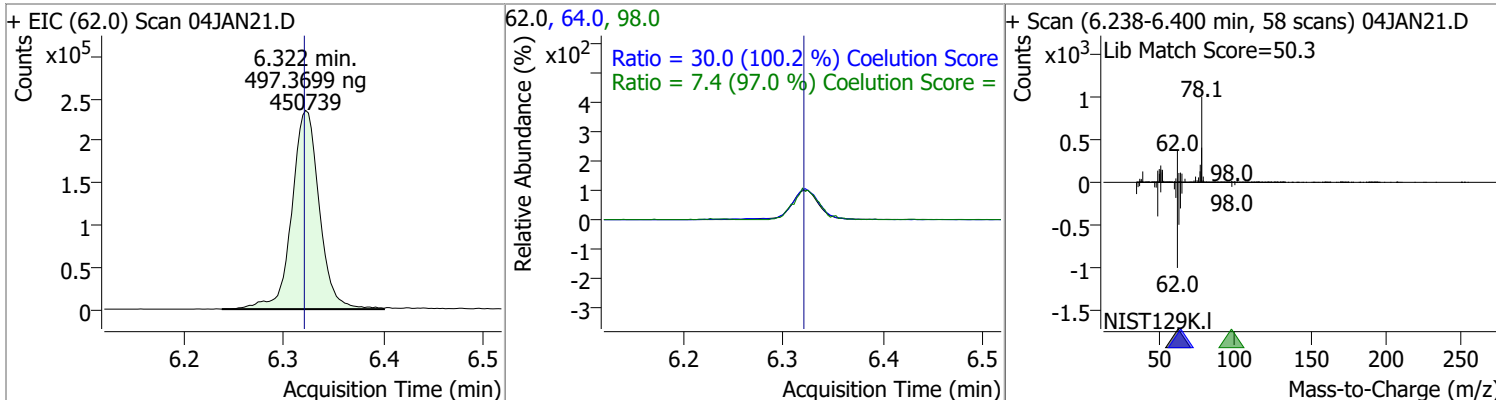
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 510.3080 | 6.23 | 0.00     | 174713 | 65.0 | 194.7  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 511.6658 | 6.28 | 0.00     | 1714050 | 77.0 | 23.5   | 0.0   | 53.5  |

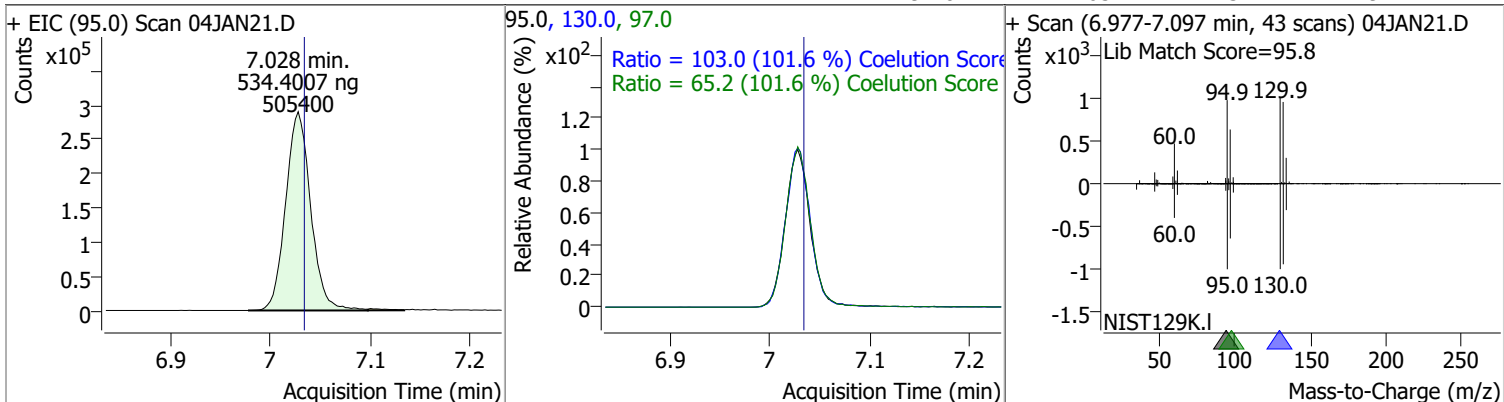


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 497.3699 | 6.32 | 0.00     | 450739 | 64.0 | 30.0   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 7.4    | 0.0   | 37.6  |

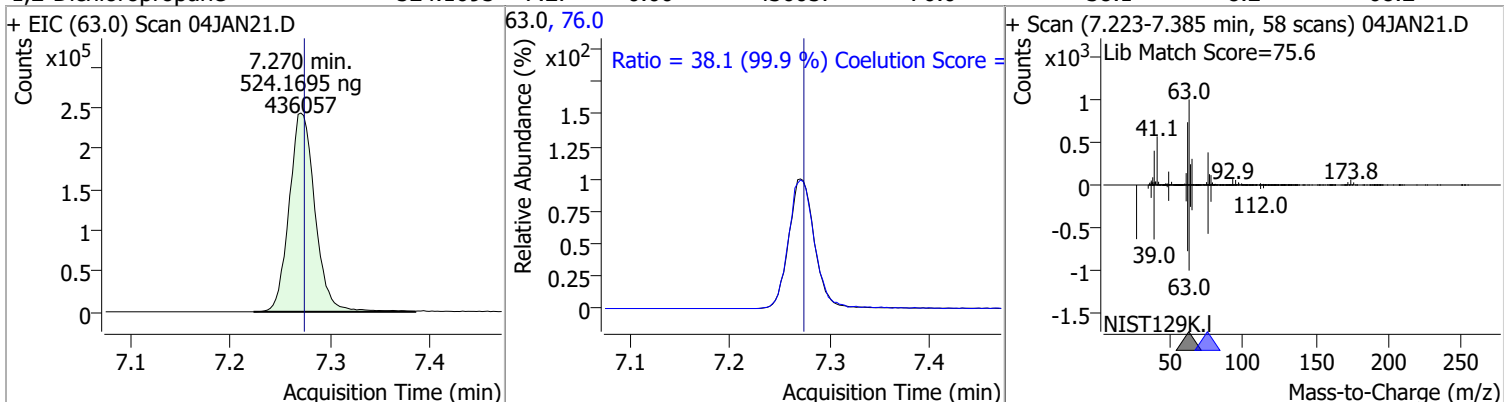


# Quantitation Results Report (QT Reviewed)

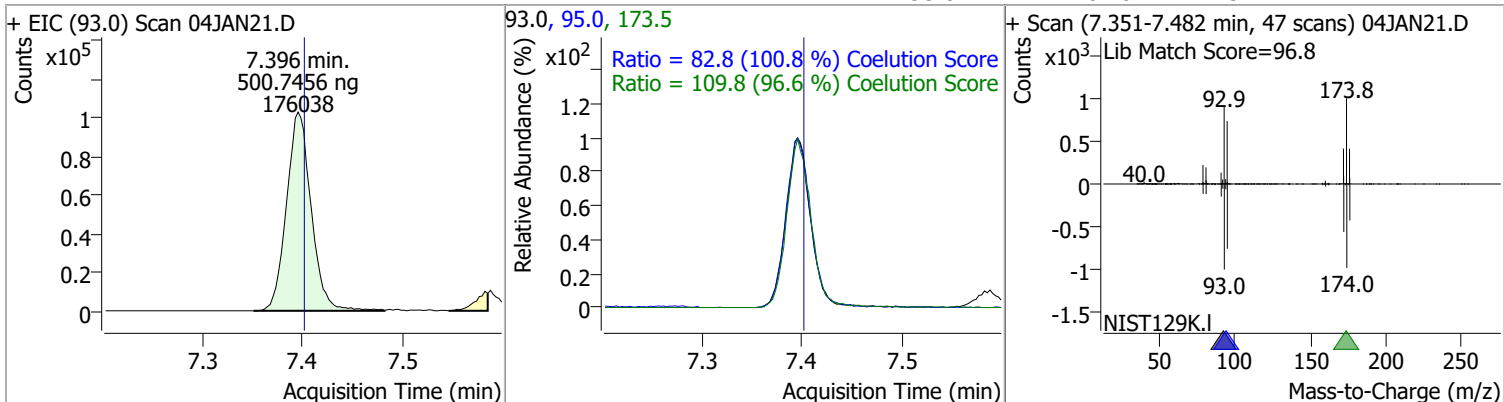
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 534.4007 | 7.03 | 0.00     | 505400 | 130.0 | 103.0  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 65.2   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloropropane | 524.1695 | 7.27 | 0.00     | 436057 | 76.0 | 38.1   | 8.2   | 68.2  |

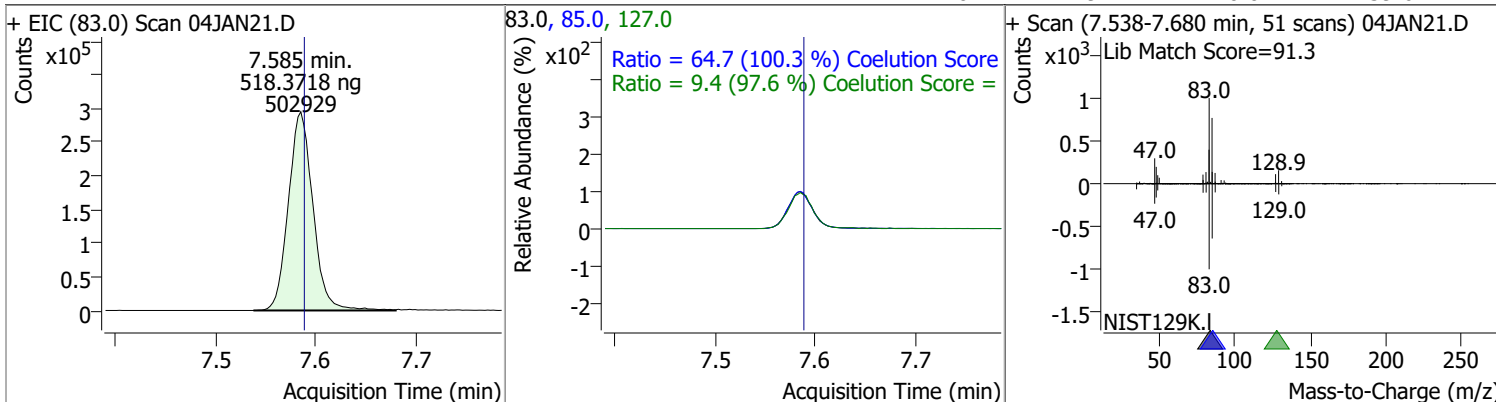


| Compound       | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromomethane | 500.7456 | 7.40 | 0.00     | 176038 | 173.5 | 109.8  | 83.7  | 143.7 |
|                |          |      |          |        | 95.0  | 82.8   | 52.2  | 112.2 |

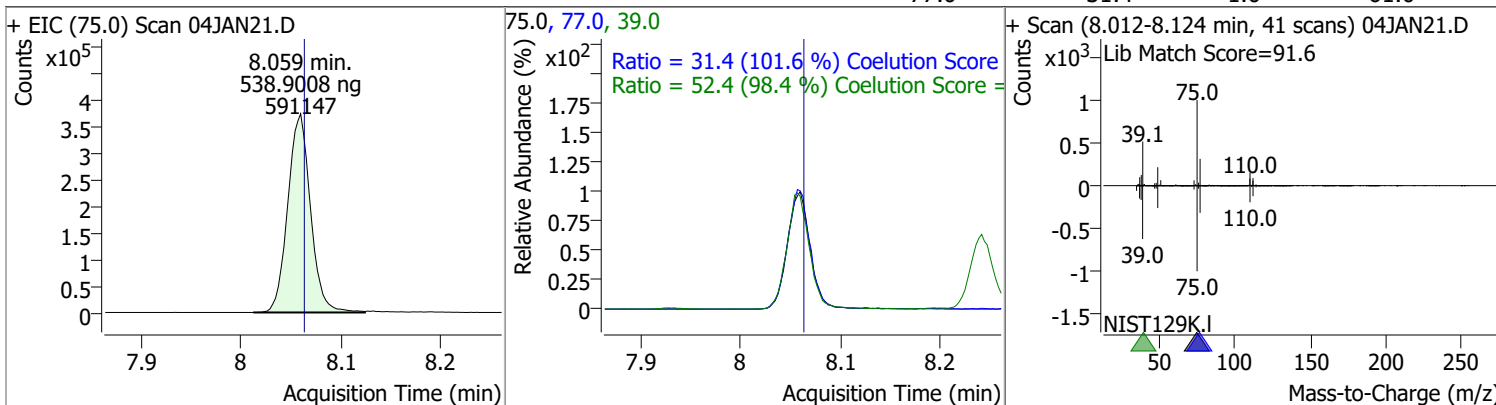


# Quantitation Results Report (QT Reviewed)

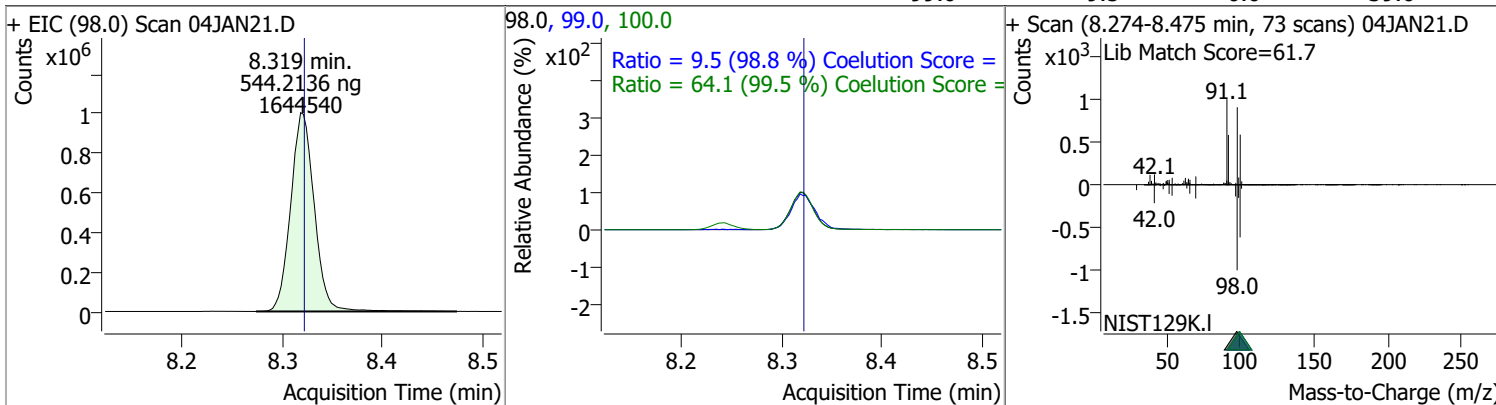
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 518.3718 | 7.59 | 0.00     | 502929 | 85.0  | 64.7   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.4    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 538.9008 | 8.06 | 0.00     | 591147 | 39.0 | 52.4   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 31.4   | 1.0   | 61.0  |



| Compound   | Conc.    | RT   | Dev(Min) | Resp.   | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|---------|-------|--------|-------|-------|
| Toluene-d8 | 544.2136 | 8.32 | 0.00     | 1644540 | 100.0 | 64.1   | 34.4  | 94.4  |
|            |          |      |          |         | 99.0  | 9.5    | 0.0   | 39.6  |





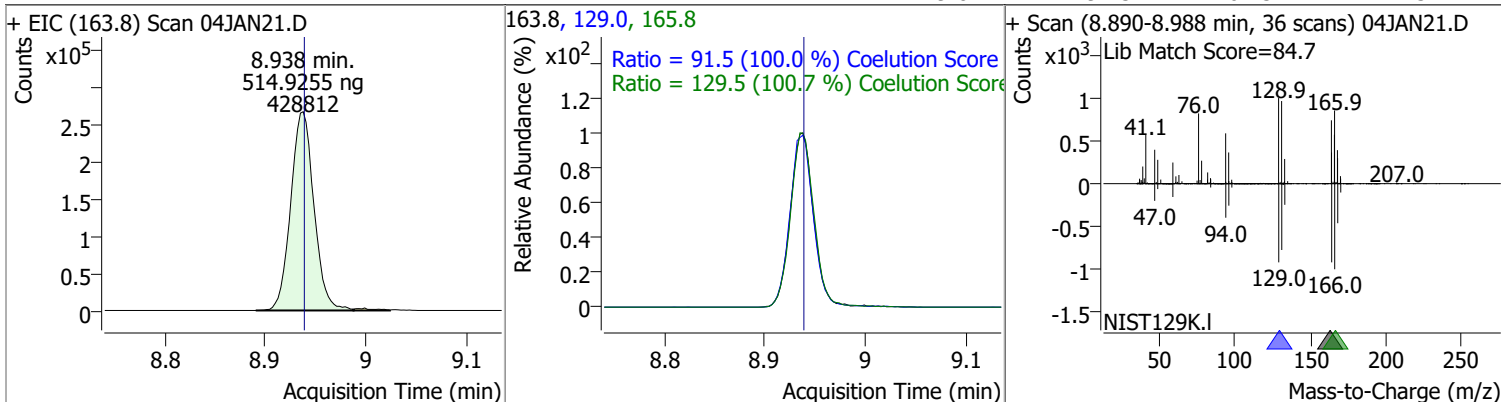
# Quantitation Results Report (QT Reviewed)

| Compound                                      | Conc.    | RT   | Dev(Min)  | Resp.   | QIon | QRatio                                       | Lower | Upper |
|---|----------|------|---|---------|------|--|-------|-------|
| Toluene                                       | 536.5101 | 8.39 | 0.00  | 1095161 | 91.0 | 174.1  | 145.8 | 205.8 |
| + EIC (92.0) Scan 04JAN21.D                   |          |      | 92.0, 91.0  |         |      | + Scan (8.341-8.542 min, 73 scans) 04JAN21.D |       |       |
| <p>8.389 min.<br/>536.5101 ng<br/>1095161</p> |          |      | <p>Ratio = 174.1 (99.1 %) Coelution Score</p>   |         |      | <p>Lib Match Score=89.3</p>                  |       |       |
| trans-1,3-Dichloropropene                     | 533.7551 | 8.64 | 0.00  | 416771  | 39.0 | 52.3   | 23.4  | 83.4  |
| + EIC (75.0) Scan 04JAN21.D                   |          |      | 75.0, 77.0, 39.0  |         |      | + Scan (8.598-8.715 min, 43 scans) 04JAN21.D |       |       |
| <p>8.637 min.<br/>533.7551 ng<br/>416771</p>  |          |      | <p>Ratio = 33.0 (101.8 %) Coelution Score<br/>Ratio = 52.3 (97.9 %) Coelution Score</p> |         |      | <p>Lib Match Score=90.4</p>                  |       |       |
| 1,1,2-Trichloroethane                         | 505.1803 | 8.82 | 0.00  | 205463  | 97.0 | 112.6  | 84.6  | 144.6 |
| + EIC (83.0) Scan 04JAN21.D                   |          |      | 83.0, 97.0, 85.0  |         |      | + Scan (8.768-8.907 min, 51 scans) 04JAN21.D |       |       |
| <p>8.815 min.<br/>505.1803 ng<br/>205463</p>  |          |      | <p>Ratio = 112.6 (98.2 %) Coelution Score<br/>Ratio = 63.1 (93.3 %) Coelution Score</p> |         |      | <p>Lib Match Score=85.5</p>                  |       |       |

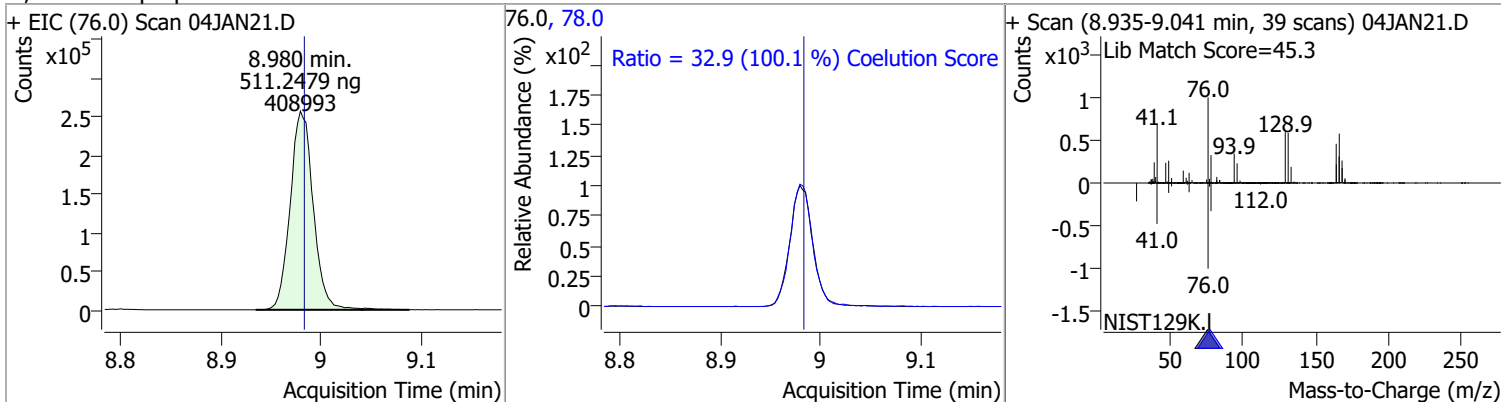


# Quantitation Results Report (QT Reviewed)

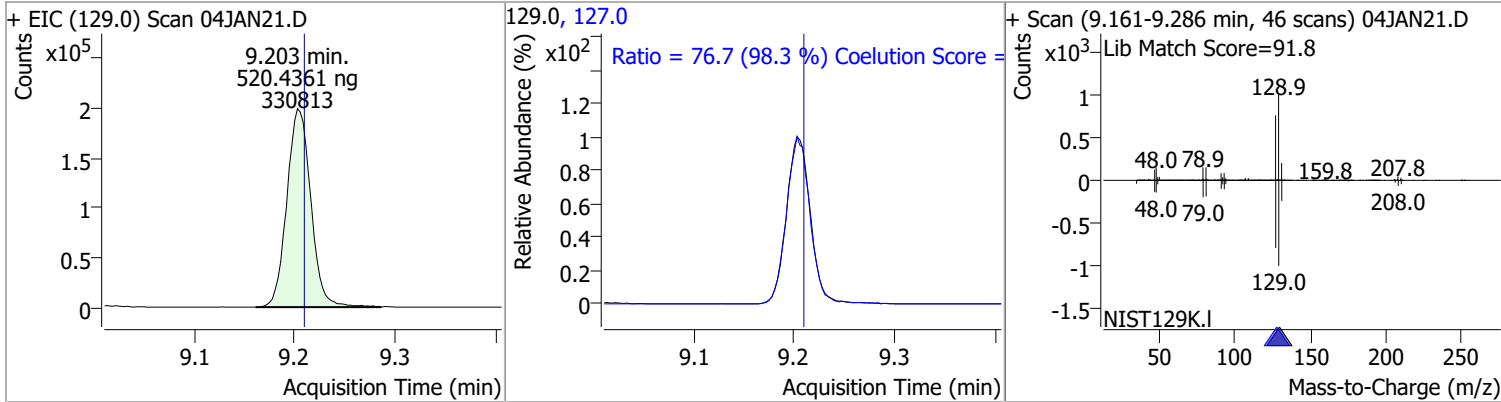
| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Tetrachloroethene | 514.9255 | 8.94 | 0.00     | 428812 | 165.8 | 129.5  | 98.6  | 158.6 |
|                   |          |      |          |        | 129.0 | 91.5   | 61.5  | 121.5 |



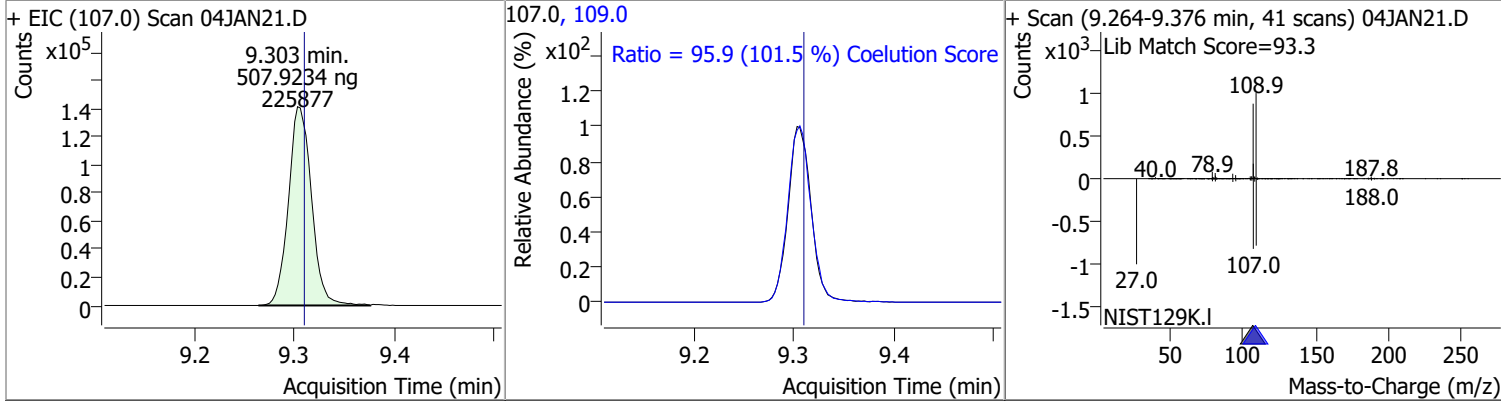
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,3-Dichloropropane | 511.2479 | 8.98 | 0.00     | 408993 | 78.0 | 32.9   | 2.9   | 62.9  |



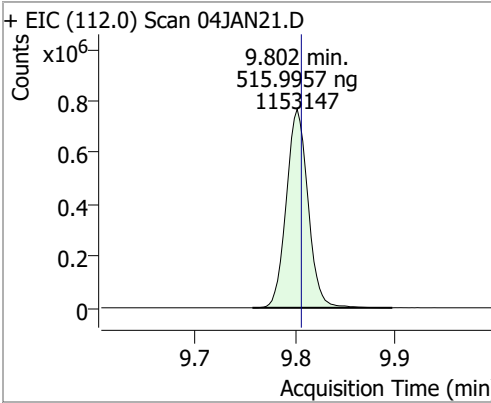
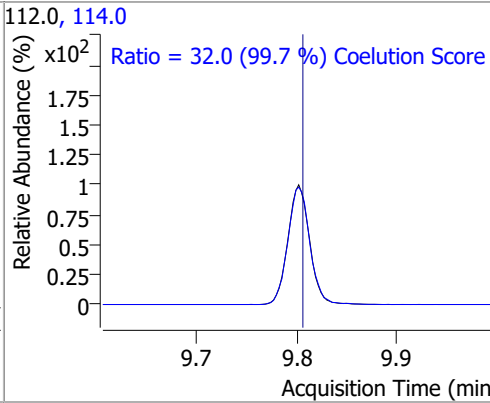
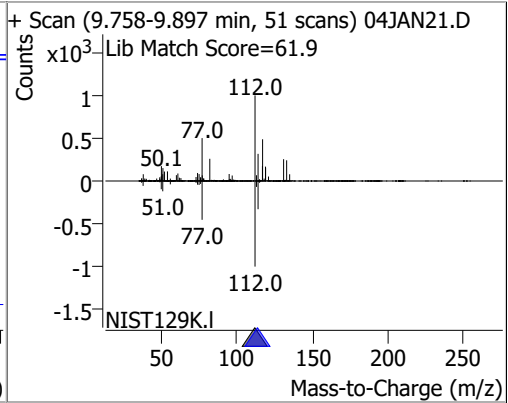
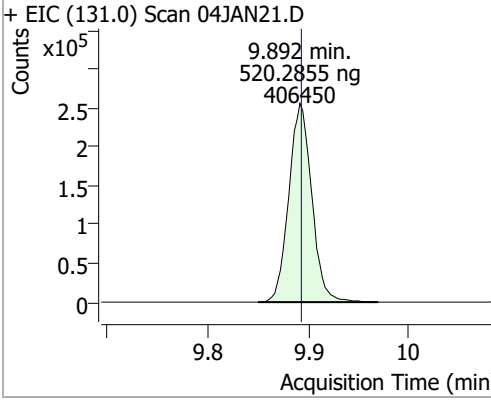
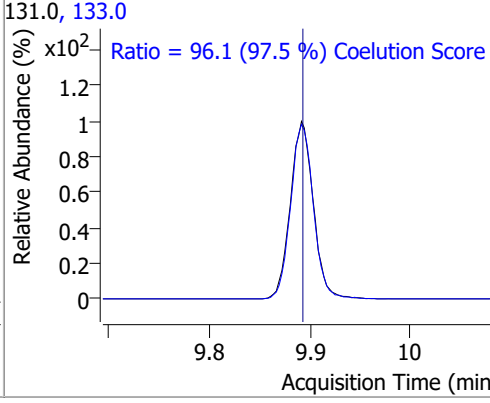
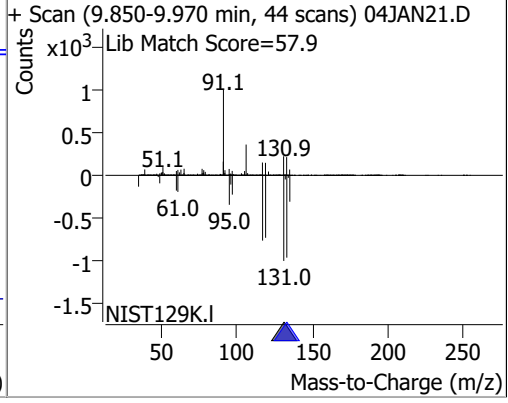
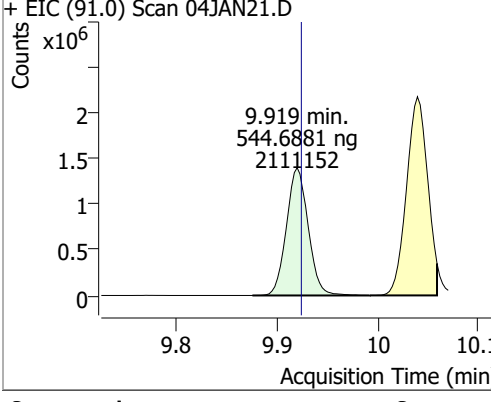
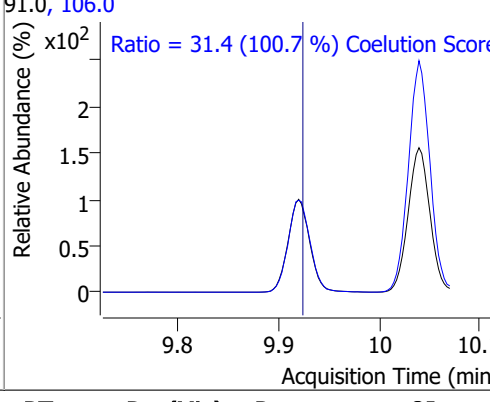
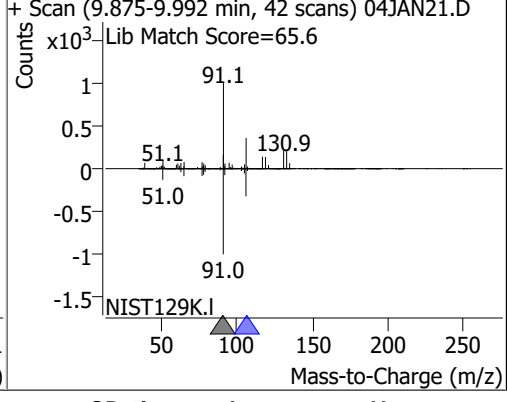
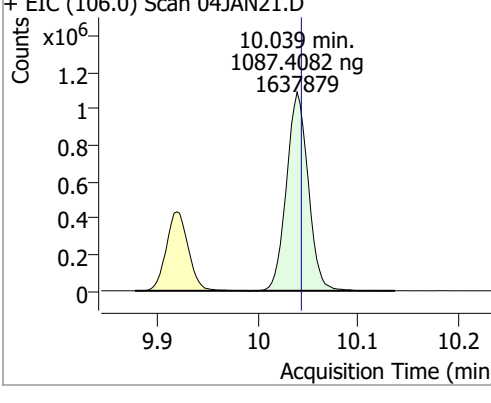
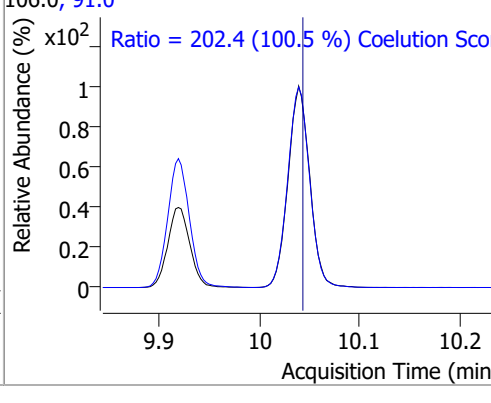
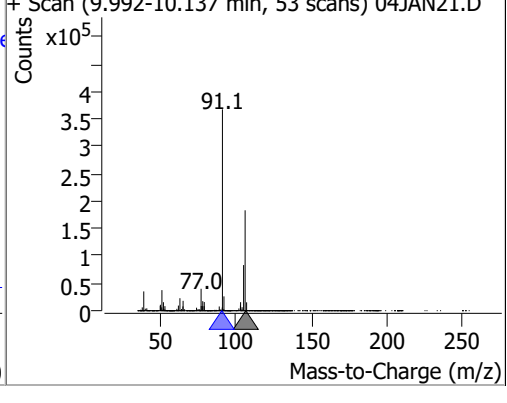
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Chlorodibromomethane | 520.4361 | 9.20 | 0.00     | 330813 | 127.0 | 76.7   | 48.0  | 108.0 |



| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 507.9234 | 9.30 | 0.00     | 225877 | 109.0 | 95.9   | 64.5  | 124.5 |

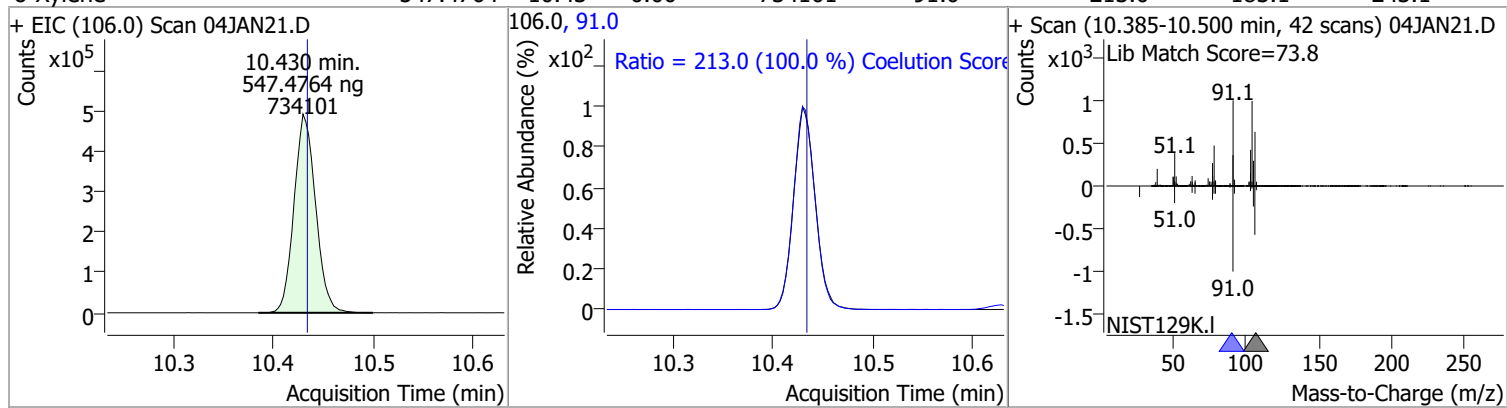


# Quantitation Results Report (QT Reviewed)

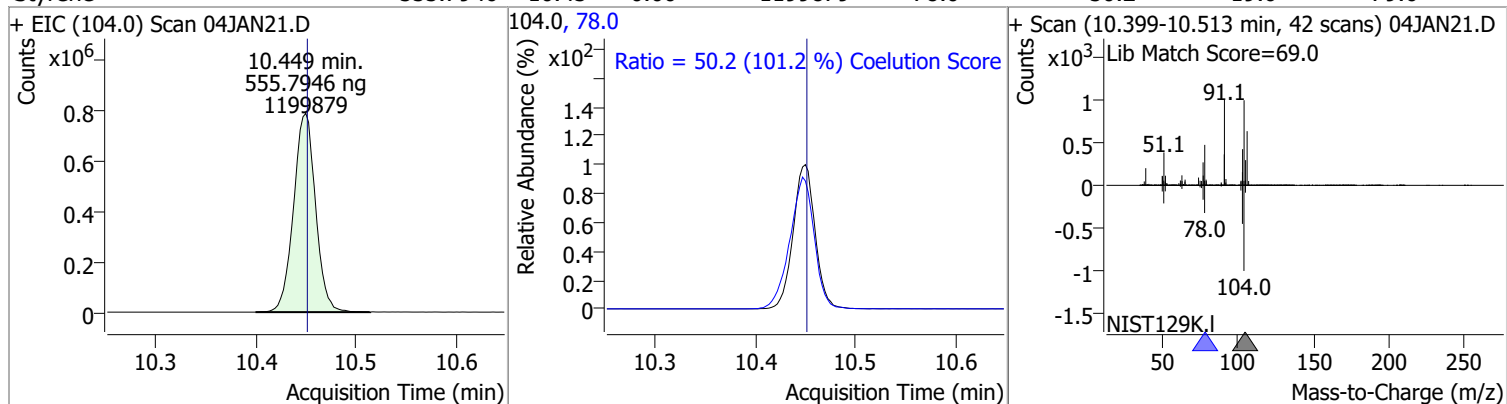
| Compound   | Conc.  | RT    | Dev(Min)  | Resp.   | QIon  | QRatio  | Lower | Upper |
|--|--|-------|---|---------|-------|---|-------|-------|
| Chlorobenzene  | 515.9957   | 9.80  | 0.00  | 1153147 | 114.0 | 32.0  | 2.1   | 62.1  |
| + EIC (112.0) Scan 04JAN21.D   |  |       | 112.0, 114.0  |         |       | + Scan (9.758-9.897 min, 51 scans) 04JAN21.D  |       |       |
|    |    |       |    |         |       |   |       |       |
| 1,1,1,2-Tetrachloroethane  | 520.2855   | 9.89  | 0.00  | 406450  | 133.0 | 96.1  | 68.6  | 128.6 |
| + EIC (131.0) Scan 04JAN21.D   |  |       | 131.0, 133.0  |         |       | + Scan (9.850-9.970 min, 44 scans) 04JAN21.D  |       |       |
|   |   |       |   |         |       |   |       |       |
| Ethylbenzene   | 544.6881   | 9.92  | 0.00  | 2111152 | 106.0 | 31.4  | 1.1   | 61.1  |
| + EIC (91.0) Scan 04JAN21.D  |  |       | 91.0, 106.0   |         |       | + Scan (9.875-9.992 min, 42 scans) 04JAN21.D  |       |       |
|  |  |       |  |         |       |   |       |       |
| m+p-Xylenes  | 1087.4082  | 10.04 | 0.00  | 1637879 | 91.0  | 202.4   | 171.4 | 231.4 |
| + EIC (106.0) Scan 04JAN21.D   |  |       | 106.0, 91.0   |         |       | + Scan (9.992-10.137 min, 53 scans) 04JAN21.D |       |       |
|  |  |       |  |         |       |   |       |       |

# Quantitation Results Report (QT Reviewed)

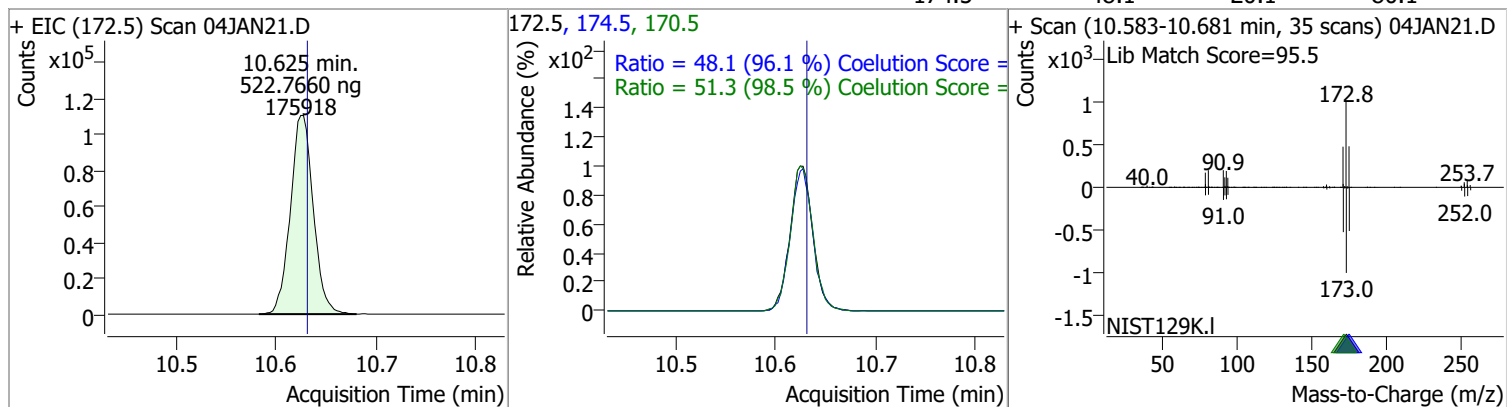
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 547.4764 | 10.43 | 0.00     | 734101 | 91.0 | 213.0  | 183.1 | 243.1 |



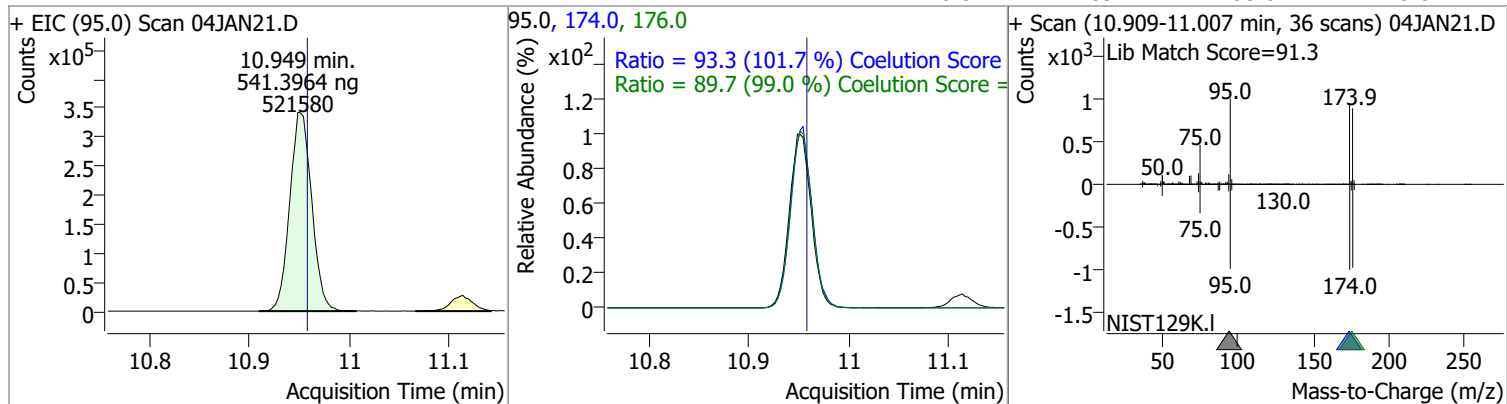
| Compound | Conc.    | RT    | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|---------|------|--------|-------|-------|
| Styrene  | 555.7946 | 10.45 | 0.00     | 1199879 | 78.0 | 50.2   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromoform | 522.7660 | 10.63 | 0.00     | 175918 | 170.5 | 51.3   | 22.1  | 82.1  |
|           |          |       |          |        | 174.5 | 48.1   | 20.1  | 80.1  |

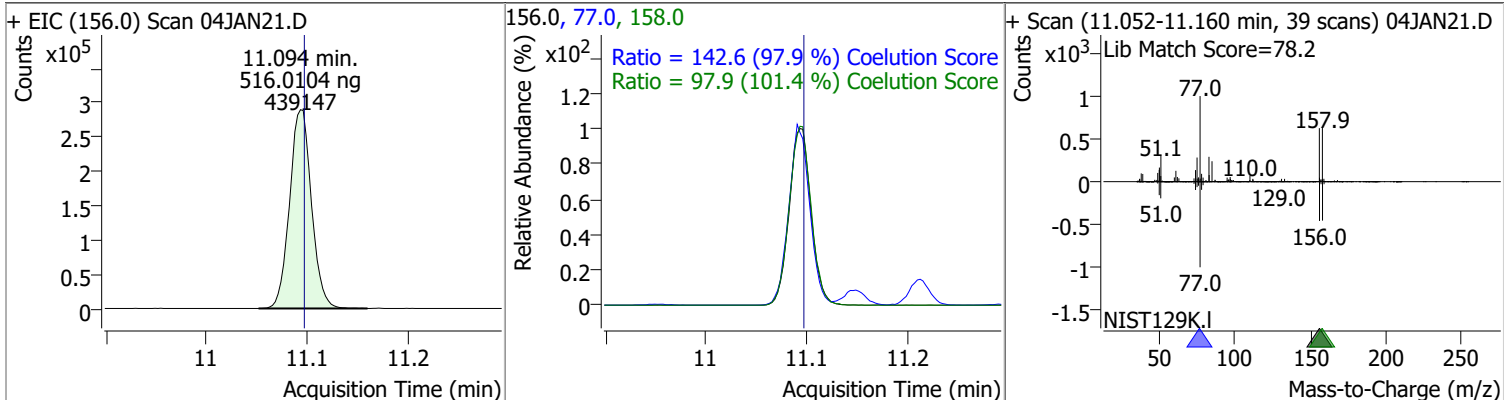


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 541.3964 | 10.95 | -0.01    | 521580 | 174.0 | 93.3   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 89.7   | 60.6  | 120.6 |

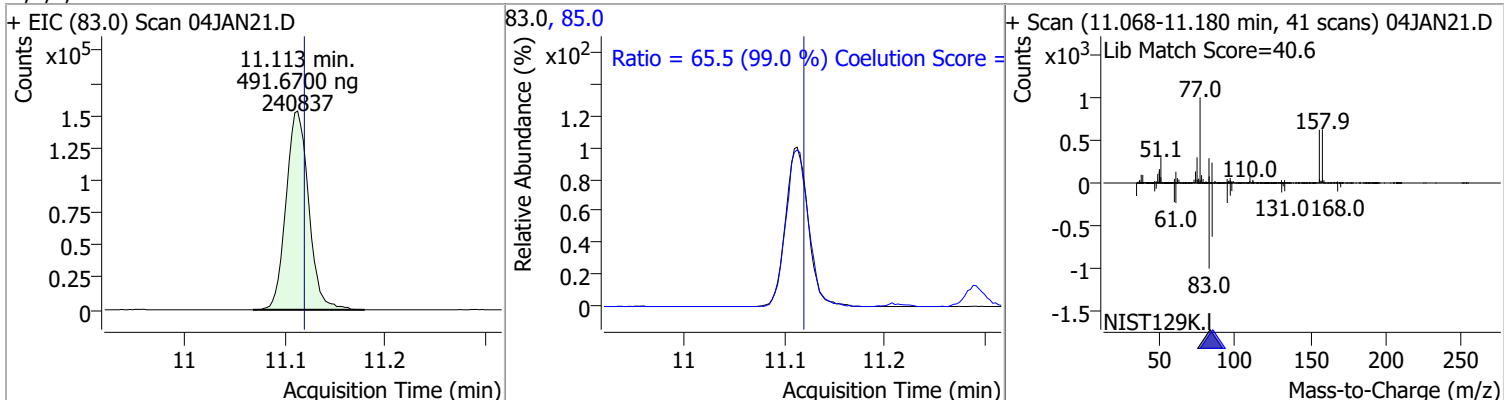


# Quantitation Results Report (QT Reviewed)

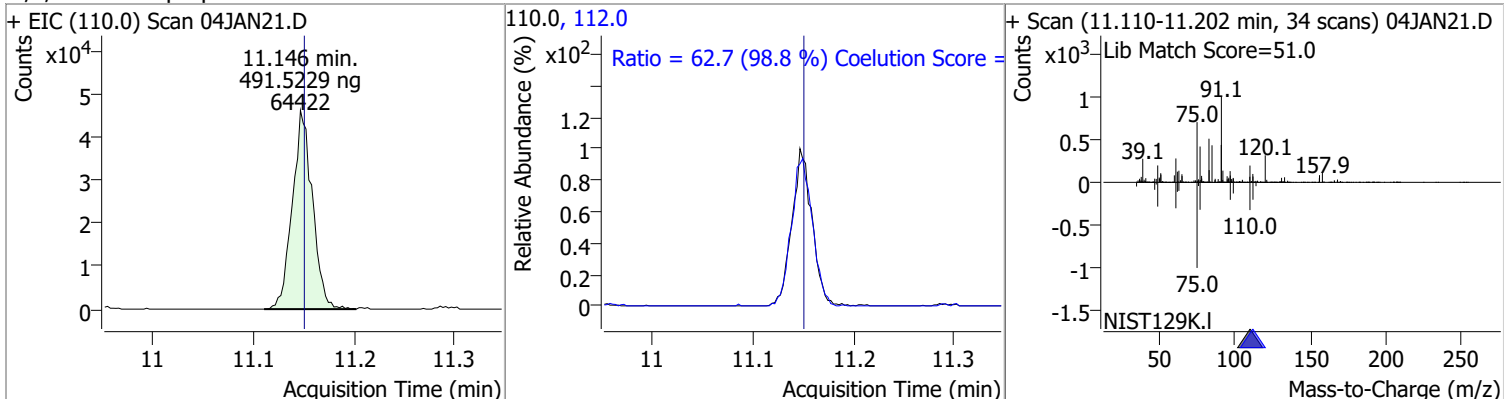
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 516.0104 | 11.09 | 0.00     | 439147 | 77.0  | 142.6  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 97.9   | 66.5  | 126.5 |



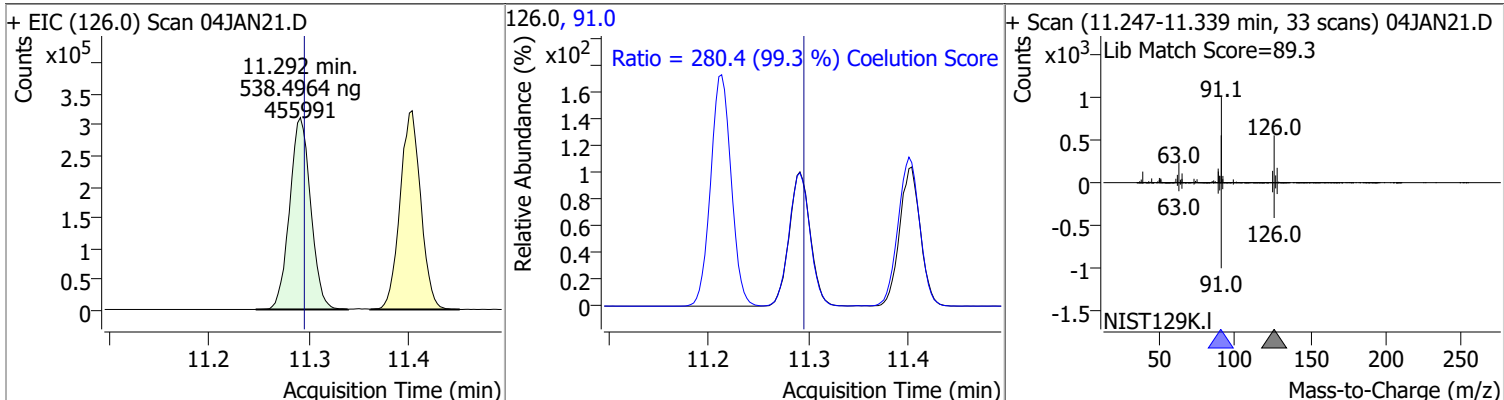
| Compound                  | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|--------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 491.6700 | 11.11 | 0.00     | 240837 | 85.0 | 65.5   | 36.2  | 96.2  |



| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 491.5229 | 11.15 | 0.00     | 64422 | 112.0 | 62.7   | 33.5  | 93.5  |

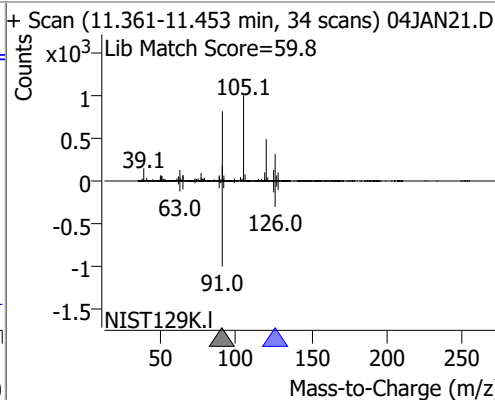
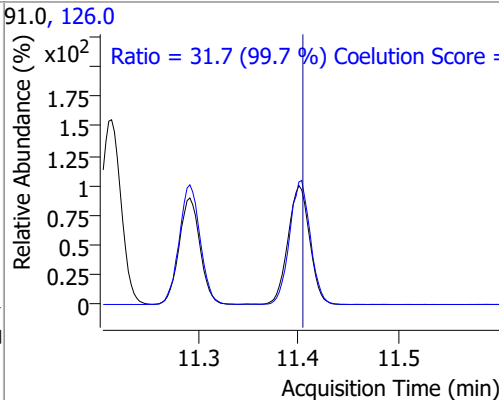
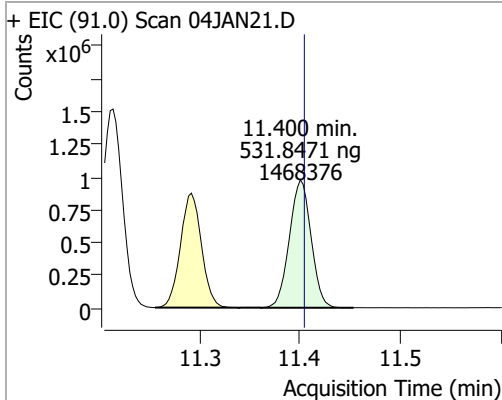


| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 538.4964 | 11.29 | 0.00     | 455991 | 91.0 | 280.4  | 252.3 | 312.3 |

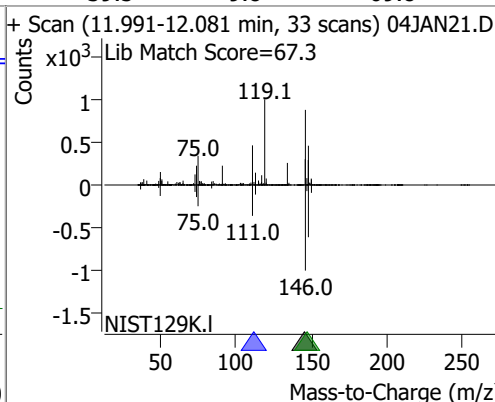
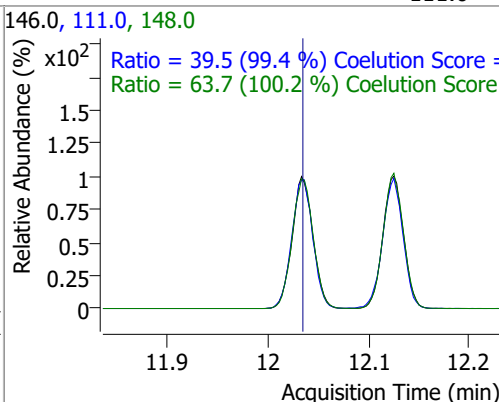
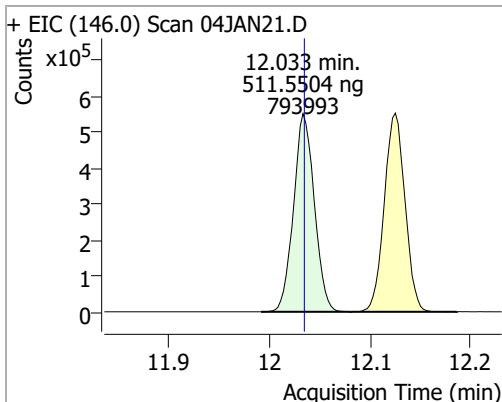


# Quantitation Results Report (QT Reviewed)

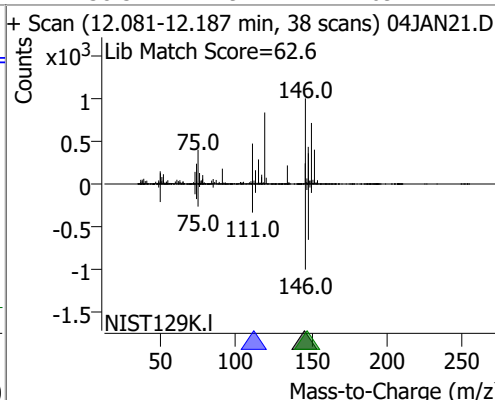
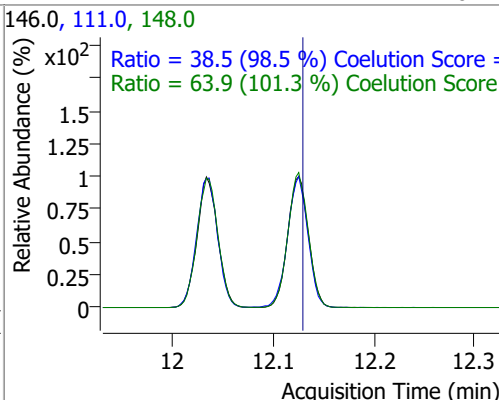
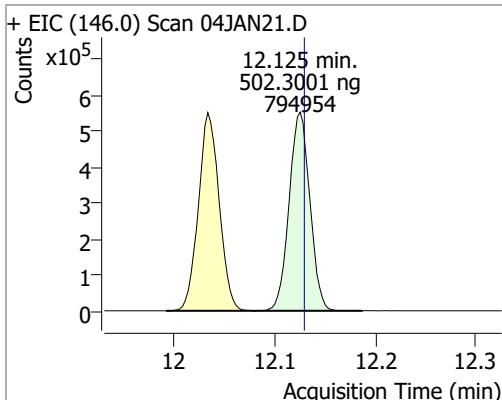
| Compound        | Conc.    | RT    | Dev(Min) | Resp.   | QIon  | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|---------|-------|--------|-------|-------|
| 4-Chlorotoluene | 531.8471 | 11.40 | 0.00     | 1468376 | 126.0 | 31.7   | 1.7   | 61.7  |



| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,3-Dichlorobenzene | 511.5504 | 12.03 | 0.00     | 793993 | 148.0 | 63.7   | 33.6  | 93.6  |
|                     |          |       |          |        | 111.0 | 39.5   | 9.8   | 69.8  |

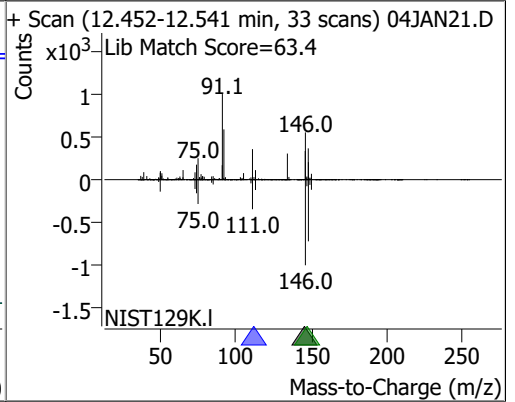
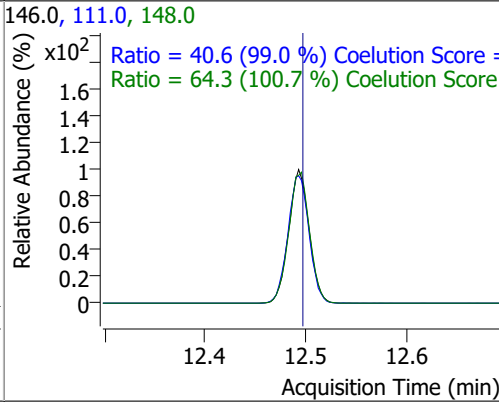
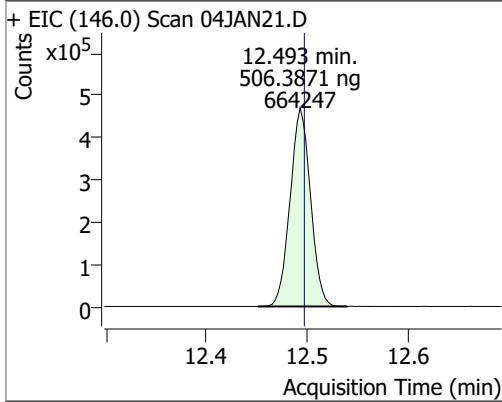


| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,4-Dichlorobenzene | 502.3001 | 12.13 | 0.00     | 794954 | 148.0 | 63.9   | 33.1  | 93.1  |
|                     |          |       |          |        | 111.0 | 38.5   | 9.1   | 69.1  |



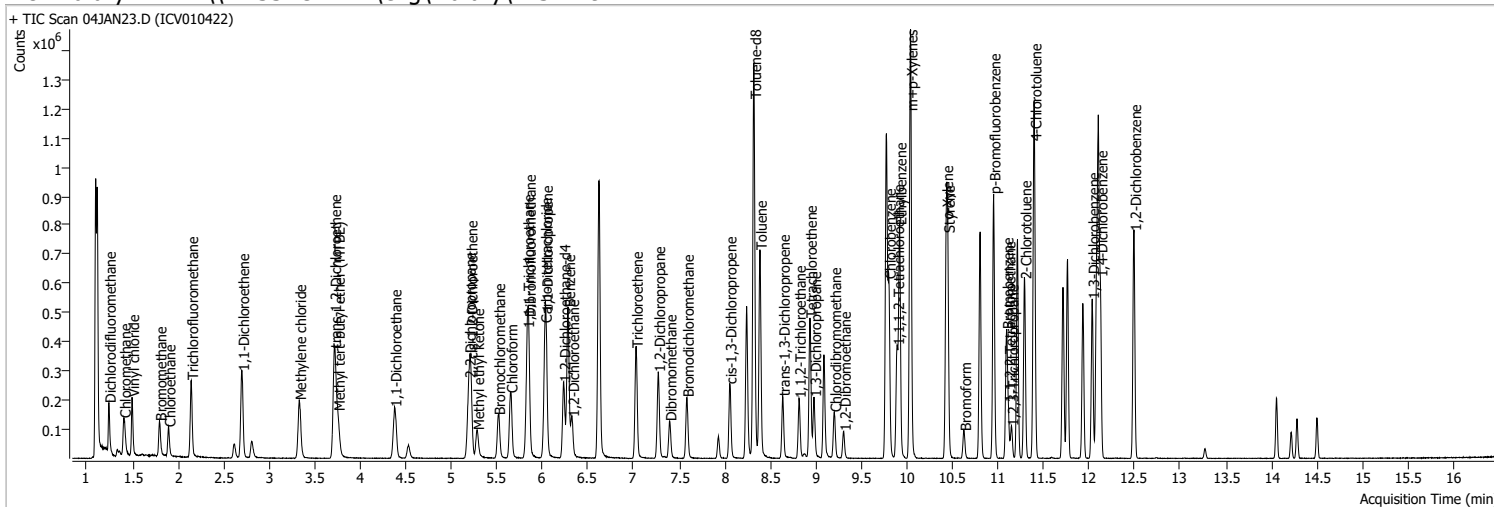
# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 506.3871 | 12.49 | 0.00     | 664247 | 148.0 | 64.3   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 40.6   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 04JAN23.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/4/2022 9:29:14 PM   |
| Sample Name    | ICV010422                           | Instrument        | VOA5975C              |
| Vial           | 23                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010422_8260B.batch.bin            | Last Calib Update | 1/9/2022 8:59:52 PM   |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.621                | 96.0  | 801210 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 307868 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 255907 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 204707 | 271.1994           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 108.48% |       |          |
| S 1,2-Dichloroethane-d4            | 6.230                | 67.0  | 91382  | 280.2886           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 112.12% |       |          |
| S Toluene-d8                       | 8.322                | 98.0  | 821531 | 276.9106           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 110.76% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 253034 | 269.8976           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 107.96% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 1.241                | 85.0  | 116936 | 111.3749           | ng    | 99       |
| T Chloromethane                    | 1.406                | 50.0  | 138617 | 108.7739           | ng    | 98       |
| T Vinyl chloride                   | 1.495                | 62.0  | 137775 | 120.1518           | ng    | 86       |
| T Bromomethane                     | 1.796                | 96.0  | 59947  | 116.9157           | ng    | 100      |
| T Chloroethane                     | 1.897                | 64.0  | 65619  | 115.5932           | ng    | 99       |
| T Trichlorofluoromethane           | 2.145                | 101.0 | 173333 | 121.7847           | ng    | 97       |
| T 1,1-Dichloroethene               | 2.702                | 96.0  | 108512 | 134.4566           | ng    | 100      |
| T Methylene chloride               | 3.330                | 49.0  | 144585 | 121.5297           | ng    | 98       |
| T trans-1,2-Dichloroethene         | 3.715                | 96.0  | 110909 | 134.7028           | ng    | 98       |
| T Methyl tert-butyl ether (MTBE)   | 3.754                | 73.0  | 143378 | 134.7224           | ng    | 99       |
| T 1,1-Dichloroethane               | 4.376                | 63.0  | 208131 | 135.8030           | ng    | 98       |
| T 2,2-Dichloropropane              | 5.190                | 77.0  | 150902 | 131.4031           | ng    | 97       |
| T cis-1,2-Dichloroethene           | 5.209                | 96.0  | 108623 | 130.1231           | ng    | 99       |
| T Methyl ethyl ketone              | 5.282                | 43.0  | 135511 | 1198.4439          | ng    | 98       |
| T Bromochloromethane               | 5.513                | 128.0 | 42744  | 123.6009           | ng    | 99       |
| T Chloroform                       | 5.647                | 83.0  | 183676 | 120.4236           | ng    | 100      |



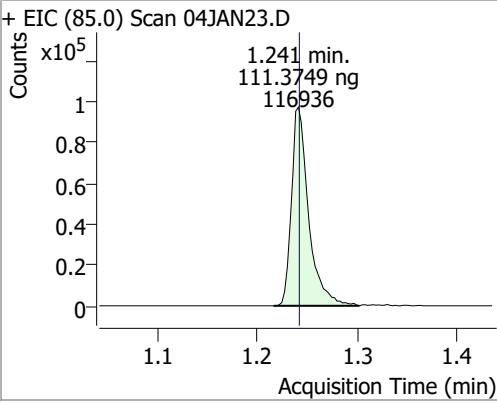
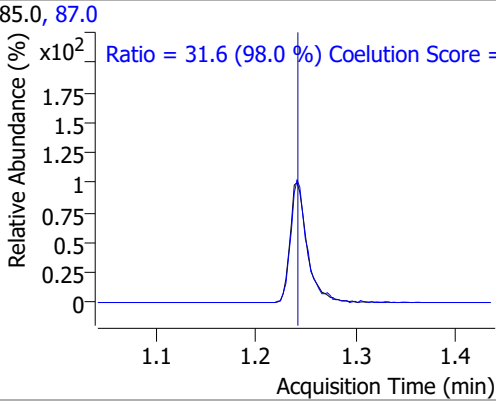
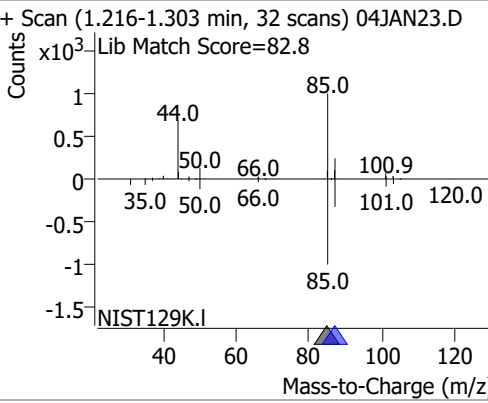
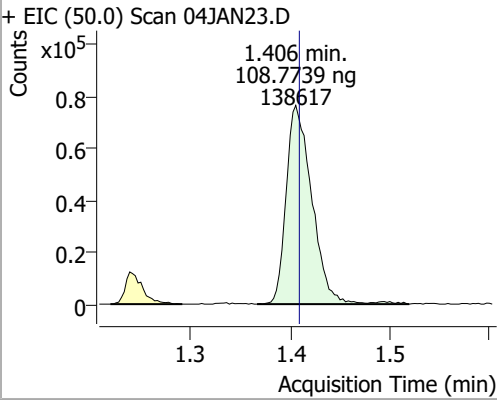
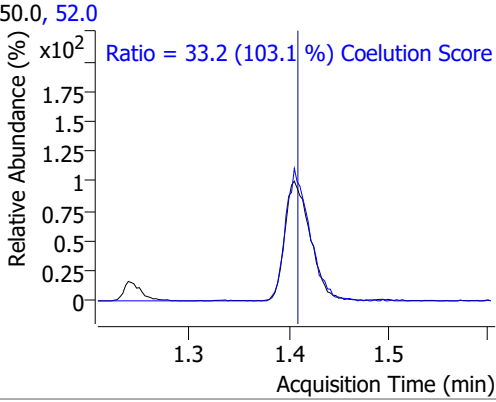
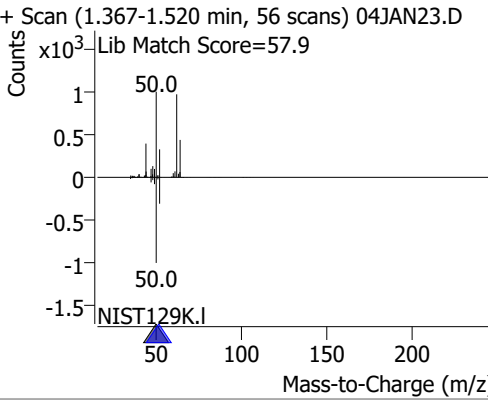
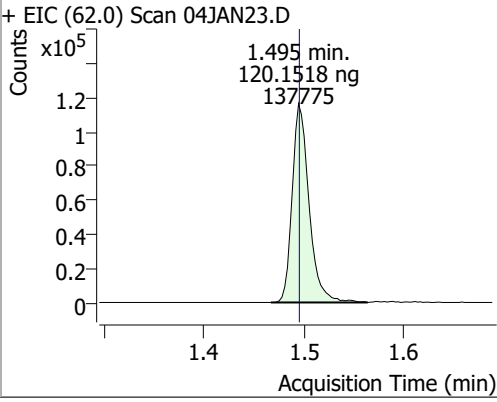
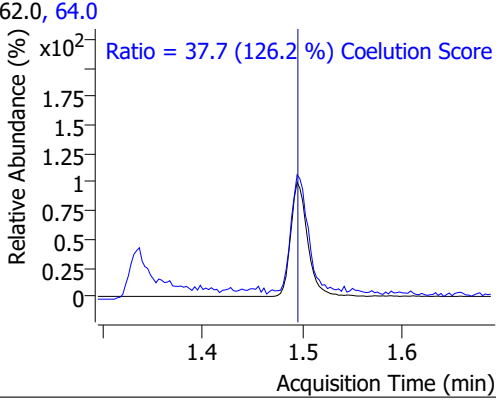
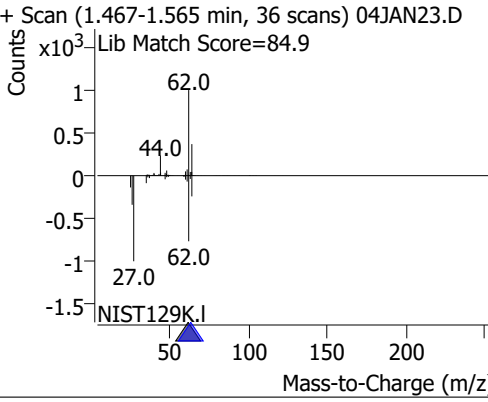
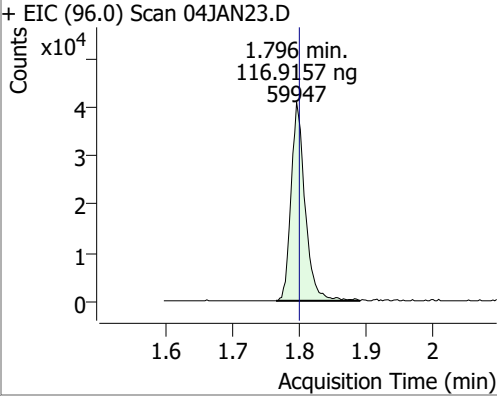
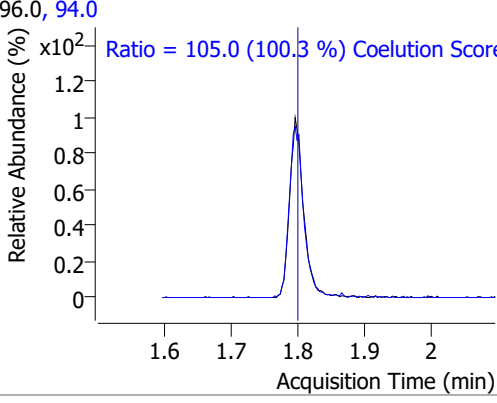
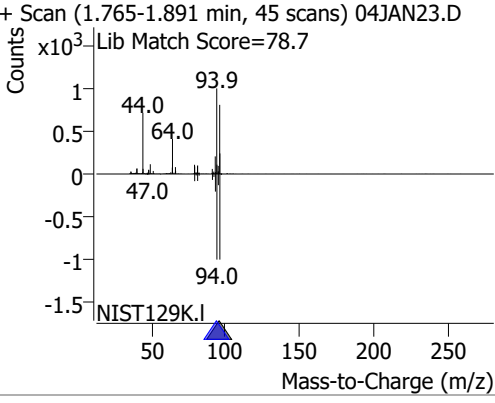
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.  | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|--------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.831  | 97.0  | 183324 | 128.2524 | ng    | 99       |
| T Carbon tetrachloride      | 6.027  | 117.0 | 181384 | 128.7928 | ng    | 99       |
| T 1,1-Dichloropropene       | 6.038  | 75.0  | 150930 | 124.1853 | ng    | 100      |
| T Benzene                   | 6.280  | 78.0  | 418900 | 131.3139 | ng    | 99       |
| T 1,2-Dichloroethane        | 6.325  | 62.0  | 104249 | 120.7991 | ng    | 95       |
| T Trichloroethene           | 7.025  | 95.0  | 121734 | 131.1096 | ng    | 99       |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 102633 | 125.6626 | ng    | 99       |
| T Dibromomethane            | 7.393  | 93.0  | 43248  | 125.3047 | ng    | 97       |
| T Bromodichloromethane      | 7.585  | 83.0  | 122757 | 128.8759 | ng    | 100      |
| T cis-1,3-Dichloropropene   | 8.054  | 75.0  | 130910 | 121.5561 | ng    | 98       |
| T Toluene                   | 8.386  | 92.0  | 264584 | 132.0244 | ng    | 100      |
| T trans-1,3-Dichloropropene | 8.637  | 75.0  | 98907  | 129.0216 | ng    | 97       |
| T 1,1,2-Trichloroethane     | 8.815  | 83.0  | 49128  | 123.0361 | ng    | 98       |
| T Tetrachloroethene         | 8.935  | 163.8 | 103027 | 126.0141 | ng    | 99       |
| T 1,3-Dichloropropane       | 8.980  | 76.0  | 95697  | 121.8442 | ng    | 98       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 78076  | 125.1103 | ng    | 98       |
| T 1,2-Dibromoethane         | 9.306  | 107.0 | 54259  | 124.2764 | ng    | 100      |
| T Chlorobenzene             | 9.802  | 112.0 | 288815 | 131.6352 | ng    | 99       |
| T 1,1,1,2-Tetrachloroethane | 9.892  | 131.0 | 97148  | 126.6657 | ng    | 95       |
| T Ethylbenzene              | 9.917  | 91.0  | 501953 | 131.9113 | ng    | 99       |
| T m+p-Xylenes               | 10.039 | 106.0 | 388558 | 262.7589 | ng    | 100      |
| T o-Xylene                  | 10.430 | 106.0 | 174061 | 132.2214 | ng    | 98       |
| T Styrene                   | 10.449 | 104.0 | 291425 | 137.4974 | ng    | 98       |
| T Bromoform                 | 10.628 | 172.5 | 42560  | 129.9644 | ng    | 98       |
| T Bromobenzene              | 11.093 | 156.0 | 109054 | 131.6788 | ng    | 99       |
| T 1,1,2,2-Tetrachloroethane | 11.113 | 83.0  | 60763  | 127.4722 | ng    | 98       |
| T 1,2,3-Trichloropropane    | 11.146 | 110.0 | 15682  | 122.9523 | ng    | 99       |
| T 2-Chlorotoluene           | 11.291 | 126.0 | 108192 | 131.2948 | ng    | 95       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 368295 | 137.0790 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 204088 | 135.1185 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.122 | 146.0 | 200032 | 129.8812 | ng    | 99       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 164299 | 128.7104 | ng    | 99       |

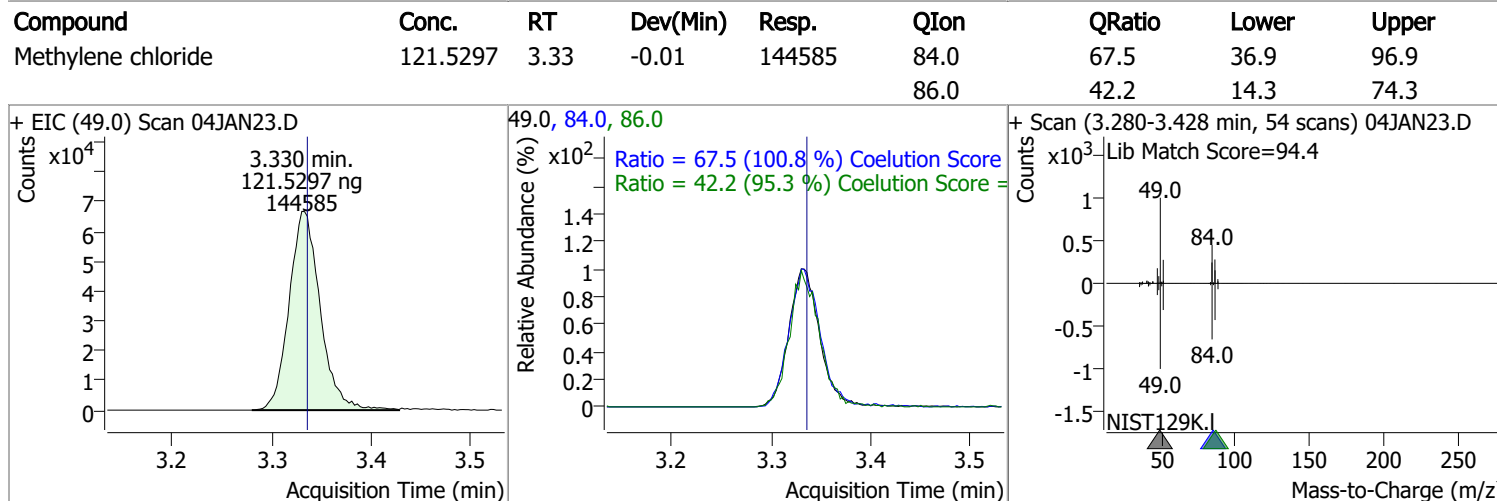
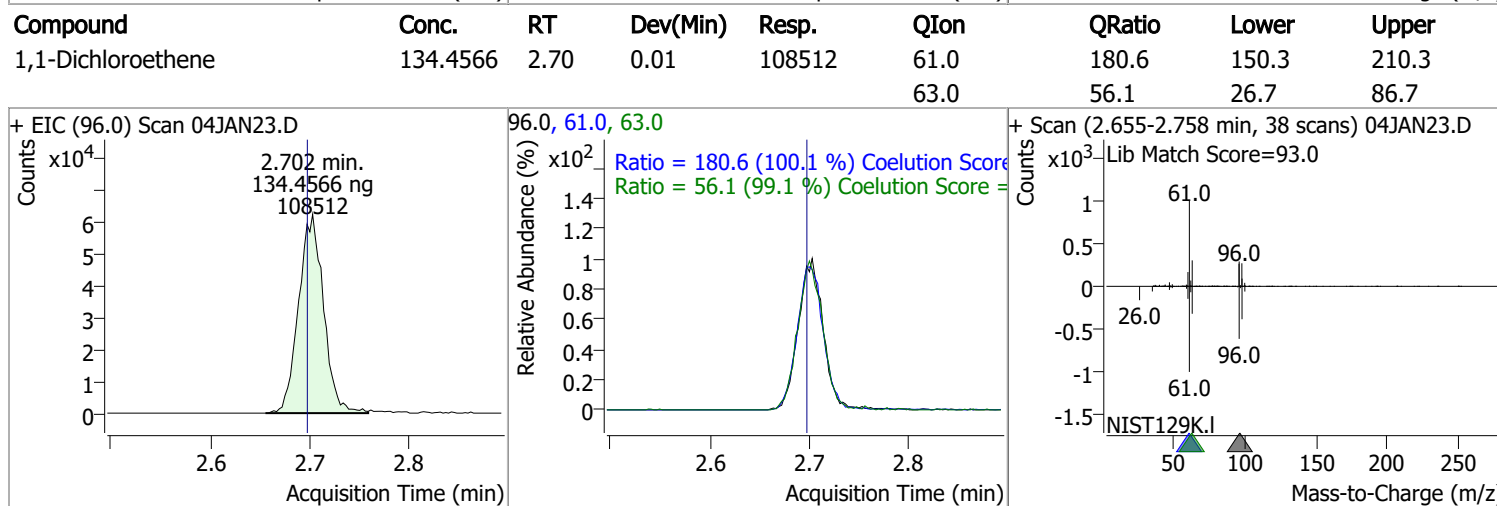
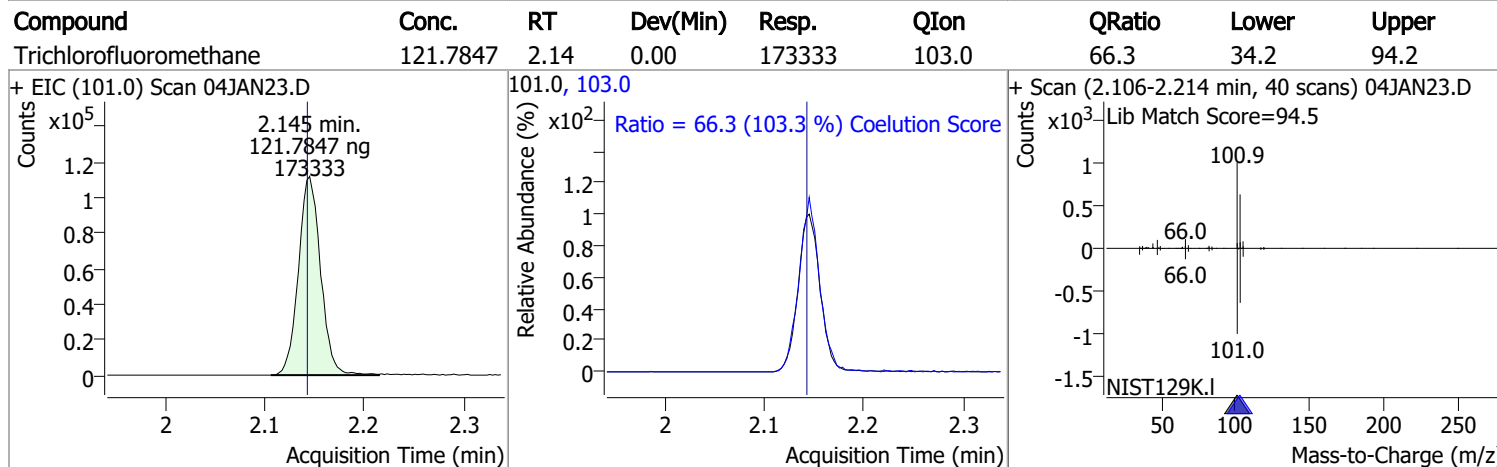
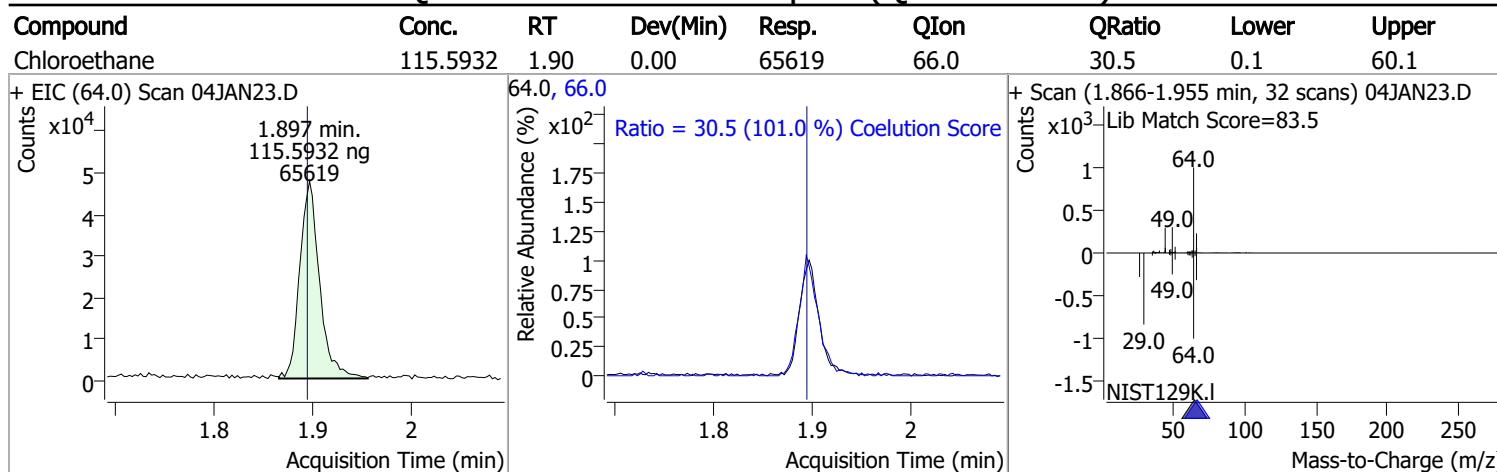
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak



# Quantitation Results Report (QT Reviewed)

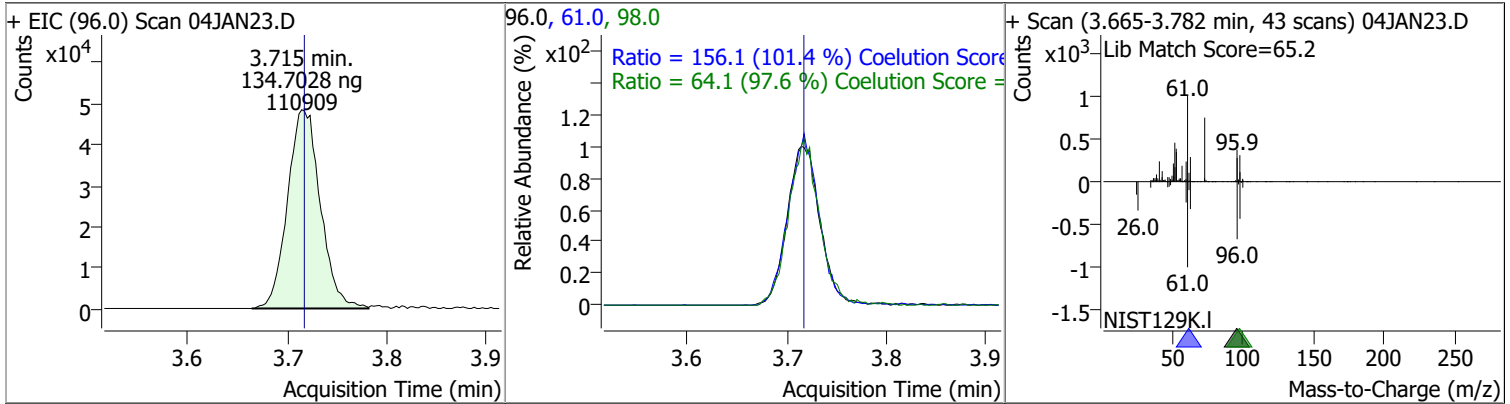
| Compound  | Conc.    | RT   | Dev(Min)   | Resp.  | QIon | QRatio  | Lower | Upper |
|---|----------|------|--|--------|------|---|-------|-------|
| Dichlorodifluoromethane   | 111.3749 | 1.24 | 0.00   | 116936 | 87.0 | 31.6  | 2.3   | 62.3  |
| + EIC (85.0) Scan 04JAN23.D<br>   |          |      | 85.0, 87.0<br>   |        |      | + Scan (1.216-1.303 min, 32 scans) 04JAN23.D<br>Lib Match Score=82.8<br>   |       |       |
| Chloromethane   | 108.7739 | 1.41 | 0.00   | 138617 | 52.0 | 33.2  | 2.1   | 62.1  |
| + EIC (50.0) Scan 04JAN23.D<br>  |          |      | 50.0, 52.0<br>  |        |      | + Scan (1.367-1.520 min, 56 scans) 04JAN23.D<br>Lib Match Score=57.9<br>  |       |       |
| Vinyl chloride  | 120.1518 | 1.49 | 0.00   | 137775 | 64.0 | 37.7  | 0.0   | 59.9  |
| + EIC (62.0) Scan 04JAN23.D<br> |          |      | 62.0, 64.0<br> |        |      | + Scan (1.467-1.565 min, 36 scans) 04JAN23.D<br>Lib Match Score=84.9<br> |       |       |
| Bromomethane  | 116.9157 | 1.80 | 0.00   | 59947  | 94.0 | 105.0   | 74.6  | 134.6 |
| + EIC (96.0) Scan 04JAN23.D<br> |          |      | 96.0, 94.0<br> |        |      | + Scan (1.765-1.891 min, 45 scans) 04JAN23.D<br>Lib Match Score=78.7<br> |       |       |

# Quantitation Results Report (QT Reviewed)

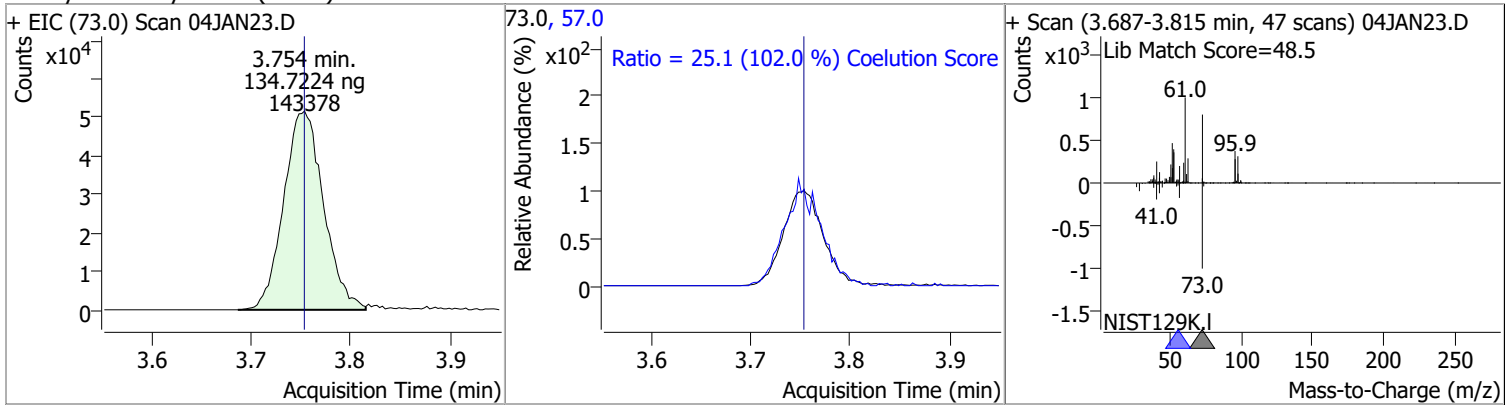


# Quantitation Results Report (QT Reviewed)

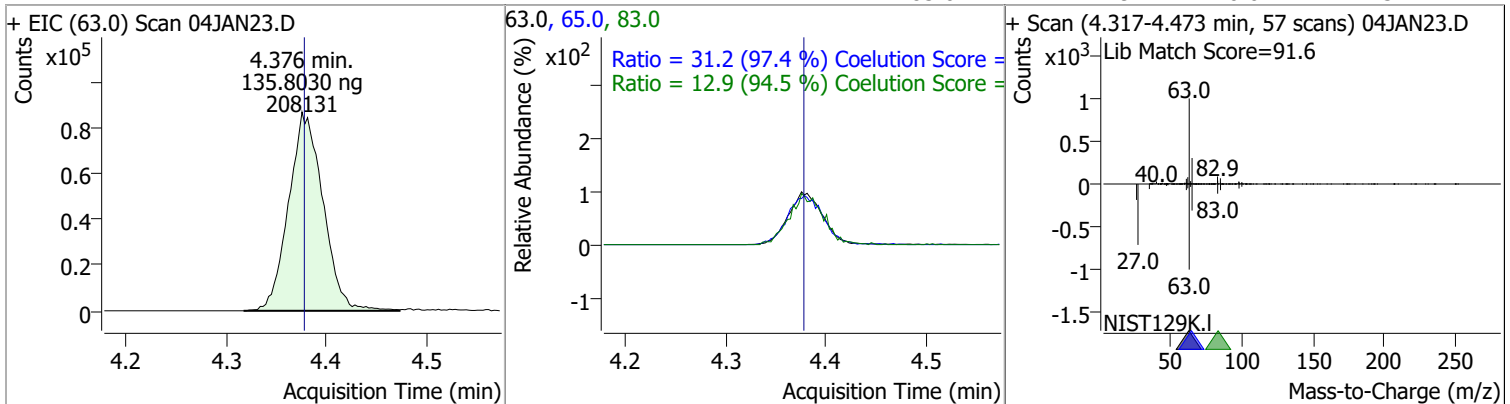
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 134.7028 | 3.71 | 0.00     | 110909 | 61.0 | 156.1  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 64.1   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 134.7224 | 3.75 | 0.00     | 143378 | 57.0 | 25.1   | 0.0   | 54.6  |

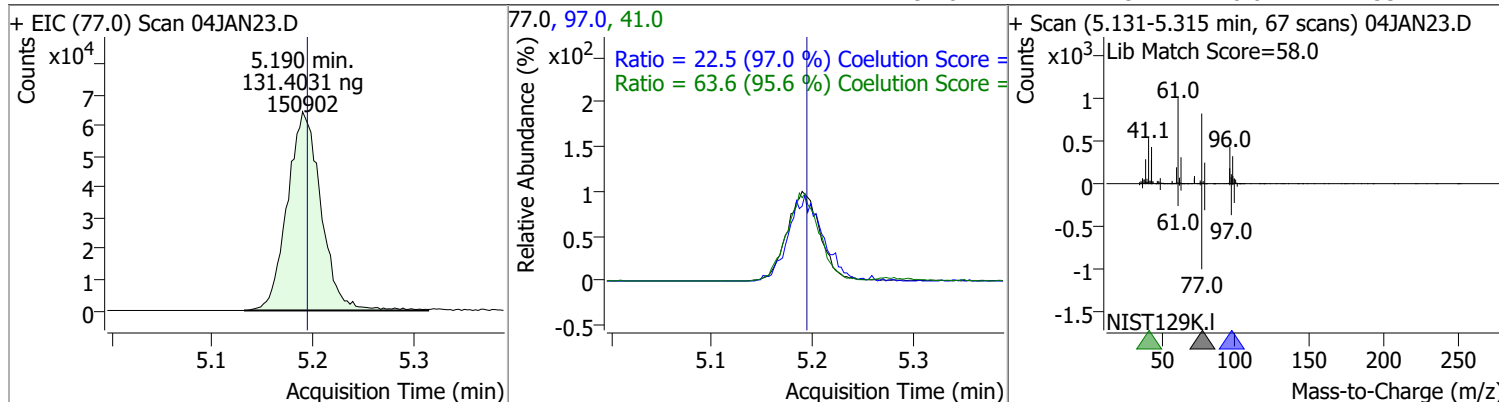


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 135.8030 | 4.38 | 0.00     | 208131 | 65.0 | 31.2   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 12.9   | 0.0   | 43.7  |

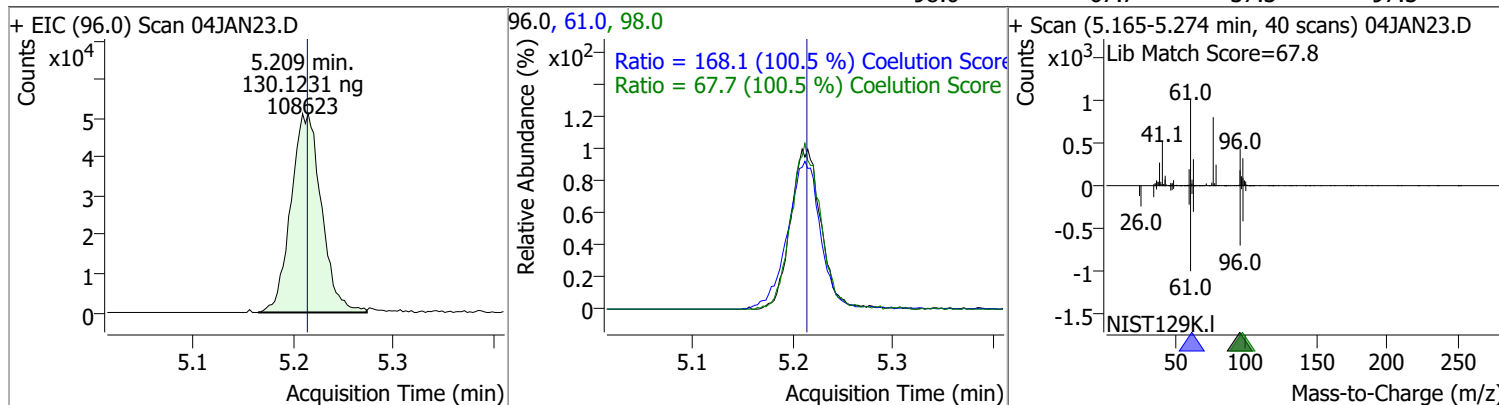


# Quantitation Results Report (QT Reviewed)

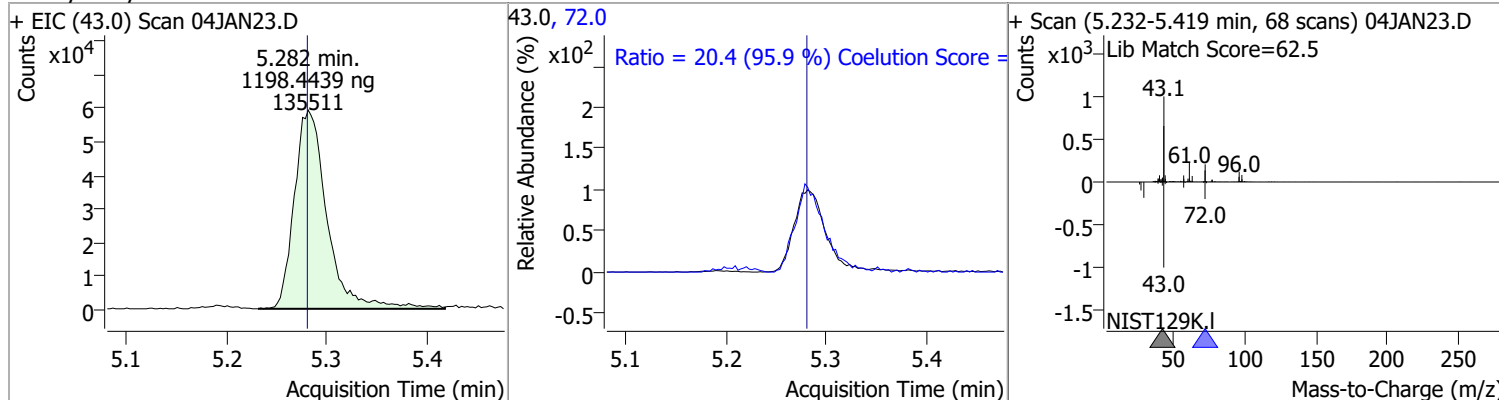
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 131.4031 | 5.19 | -0.01    | 150902 | 41.0 | 63.6   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 22.5   | 0.0   | 53.2  |



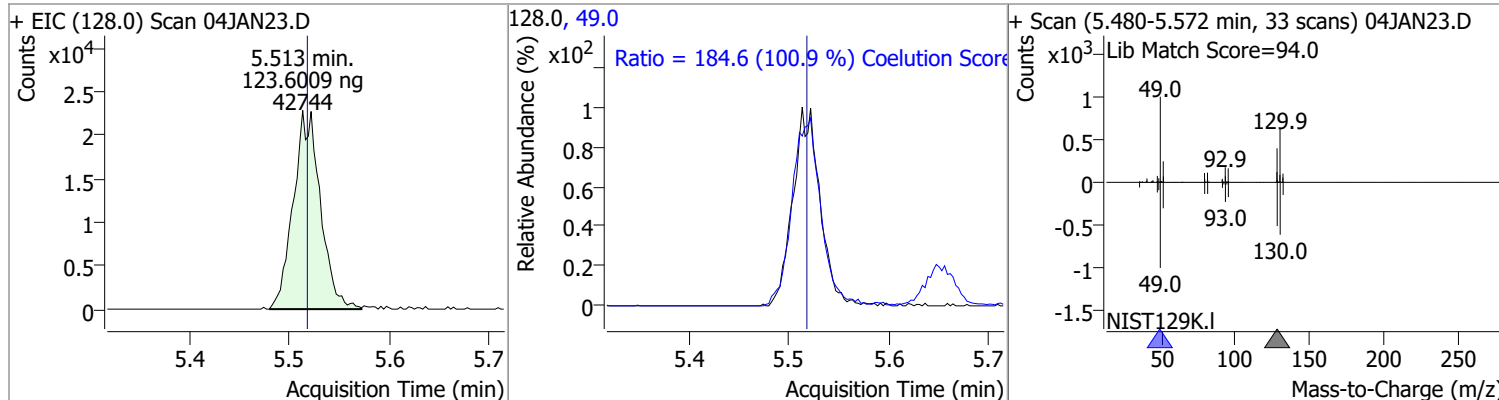
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 130.1231 | 5.21 | -0.01    | 108623 | 61.0 | 168.1  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 67.7   | 37.3  | 97.3  |



| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 1198.4439 | 5.28 | 0.00     | 135511 | 72.0 | 20.4   | 0.0   | 51.3  |

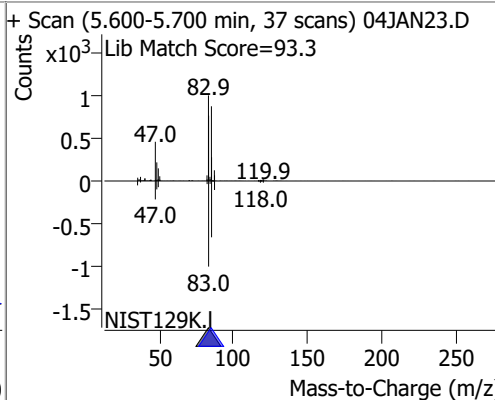
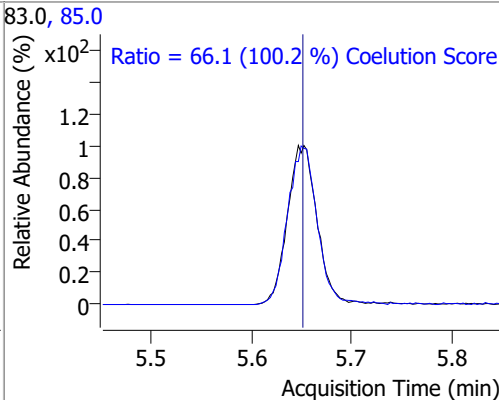
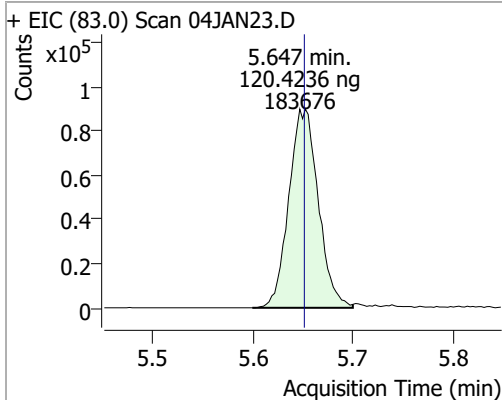


| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 123.6009 | 5.51 | -0.01    | 42744 | 49.0 | 184.6  | 152.9 | 212.9 |

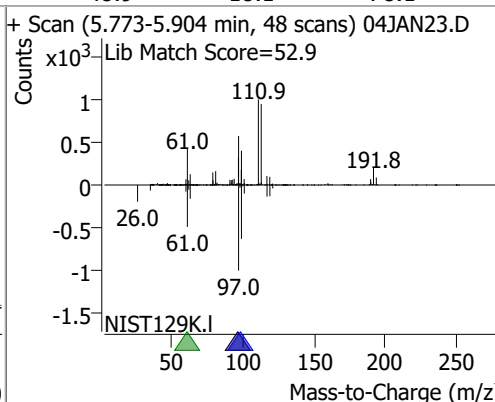
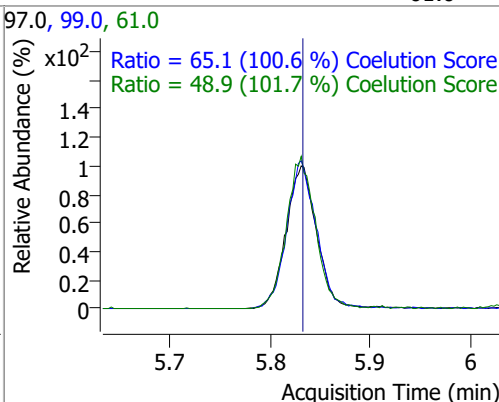
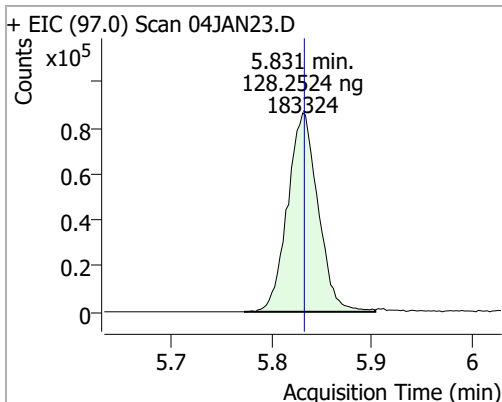


# Quantitation Results Report (QT Reviewed)

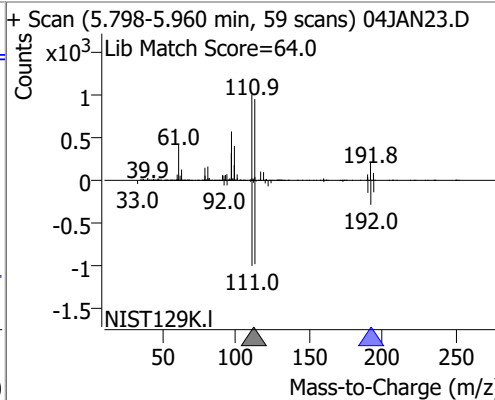
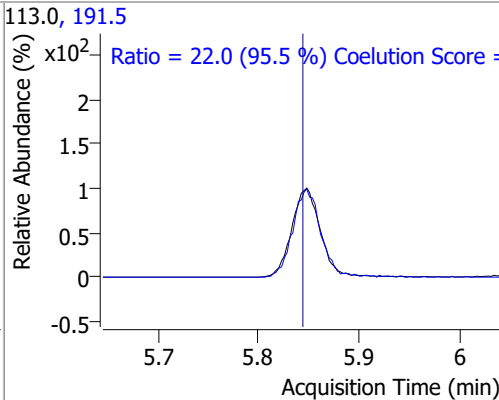
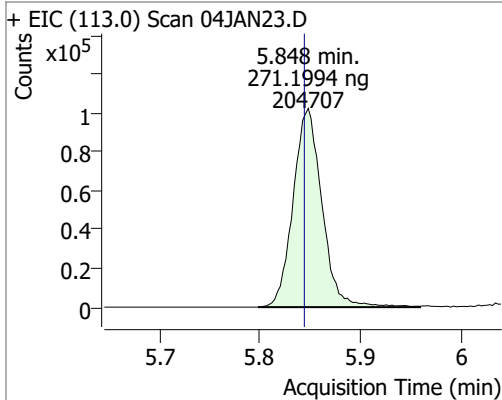
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroform | 120.4236 | 5.65 | -0.01    | 183676 | 85.0 | 66.1   | 36.0  | 96.0  |



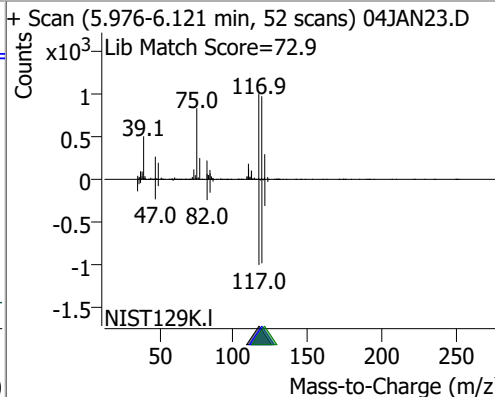
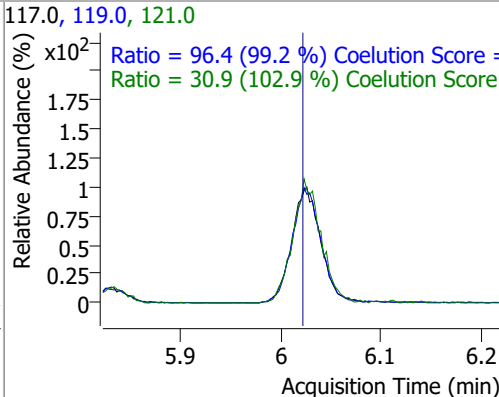
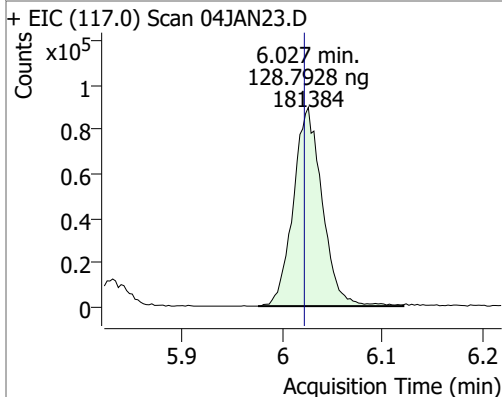
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 128.2524 | 5.83 | 0.00     | 183324 | 99.0 | 65.1   | 34.7  | 94.7  |
|                       |          |      |          |        | 61.0 | 48.9   | 18.1  | 78.1  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromofluoromethane | 271.1994 | 5.85 | 0.00     | 204707 | 191.5 | 22.0   | 0.0   | 53.1  |

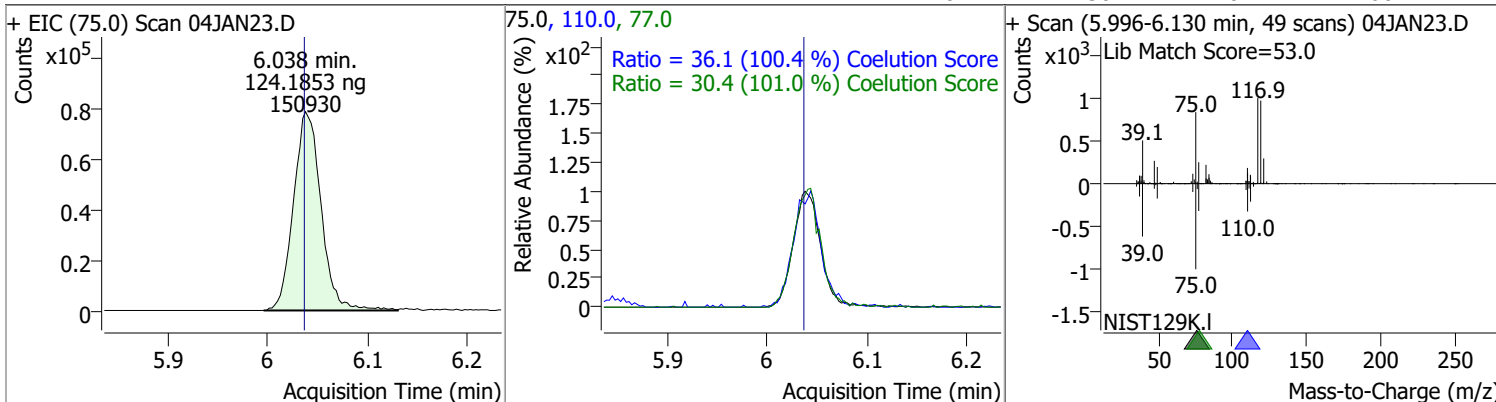


| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Carbon tetrachloride | 128.7928 | 6.03 | 0.00     | 181384 | 119.0 | 96.4   | 67.2  | 127.2 |
|                      |          |      |          |        | 121.0 | 30.9   | 0.1   | 60.1  |

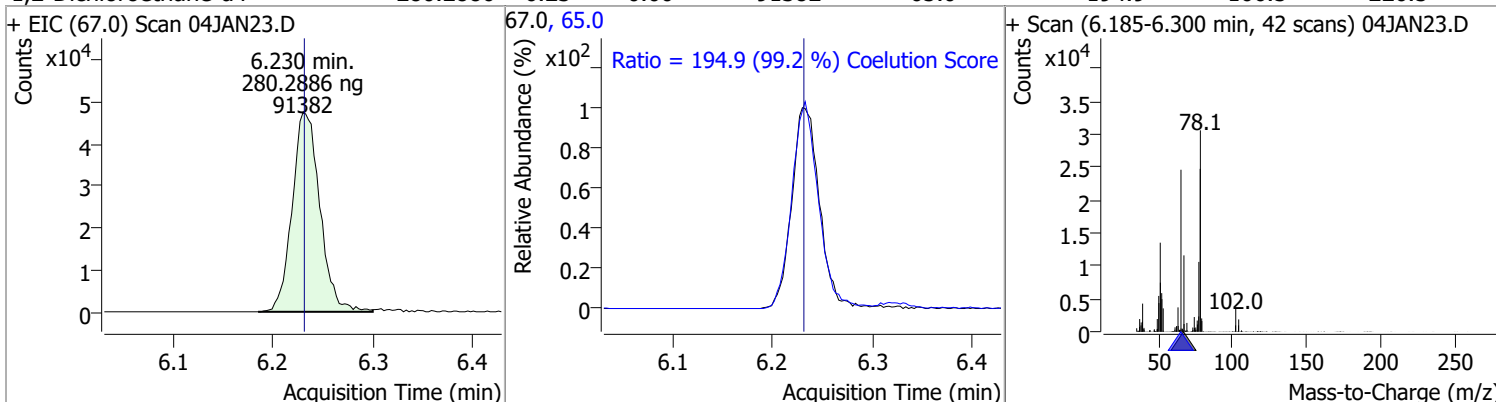


# Quantitation Results Report (QT Reviewed)

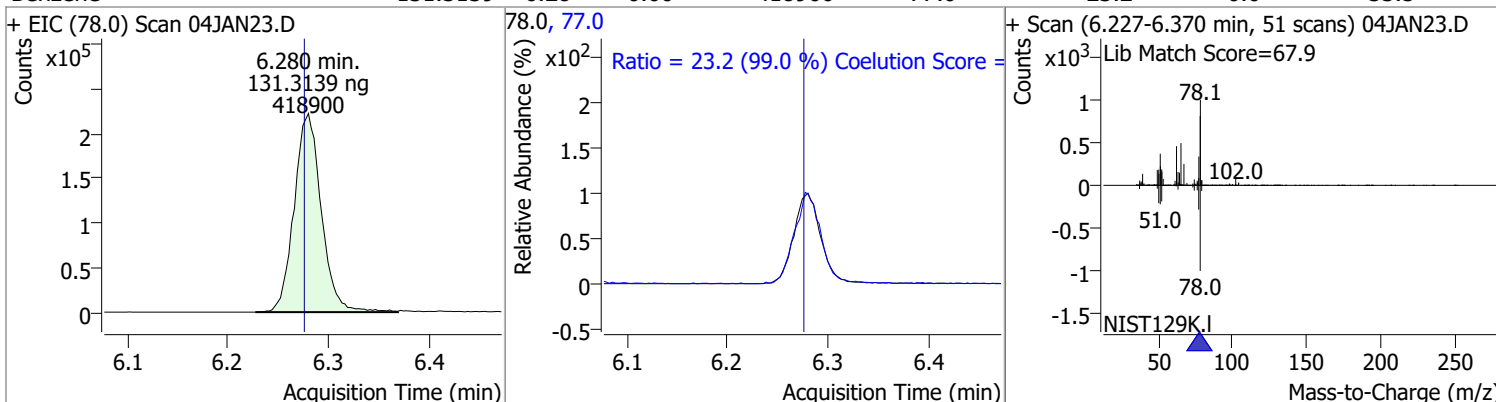
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 124.1853 | 6.04 | 0.00     | 150930 | 110.0 | 36.1   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.4   | 0.1   | 60.1  |



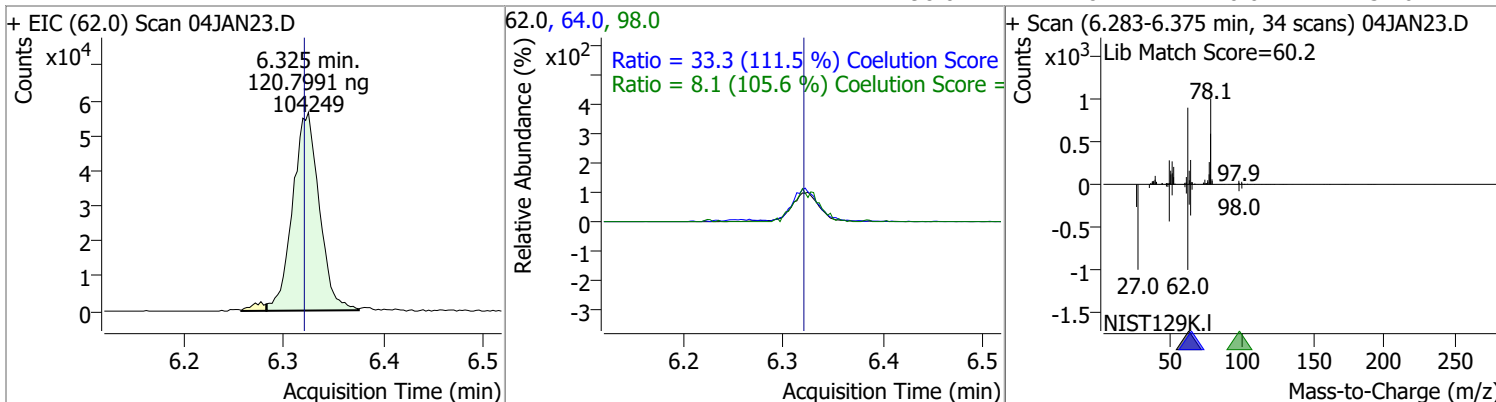
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 280.2886 | 6.23 | 0.00     | 91382 | 65.0 | 194.9  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 131.3139 | 6.28 | 0.00     | 418900 | 77.0 | 23.2   | 0.0   | 53.5  |

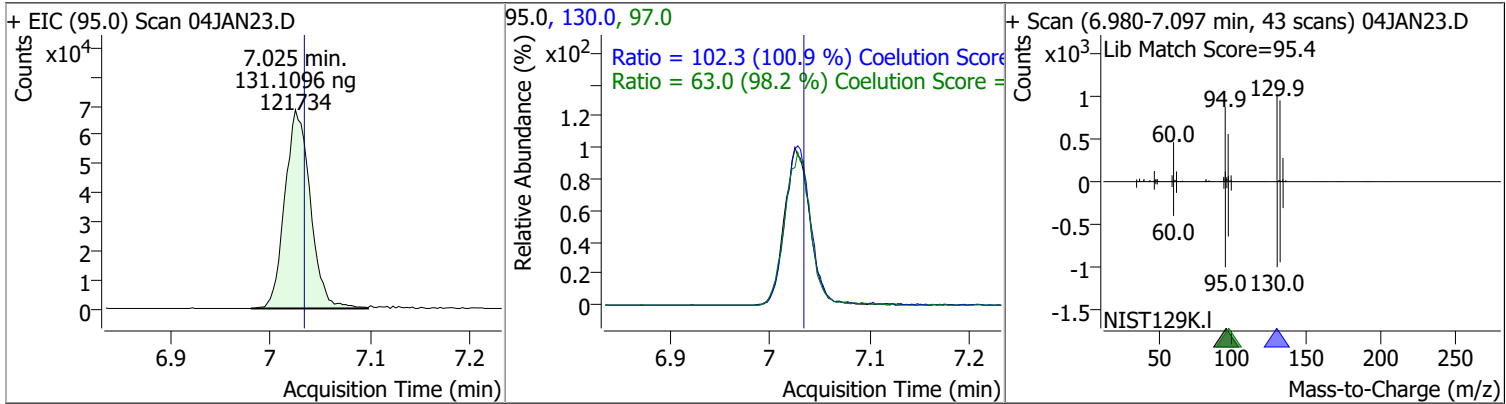


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 120.7991 | 6.32 | 0.00     | 104249 | 64.0 | 33.3   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 8.1    | 0.0   | 37.6  |

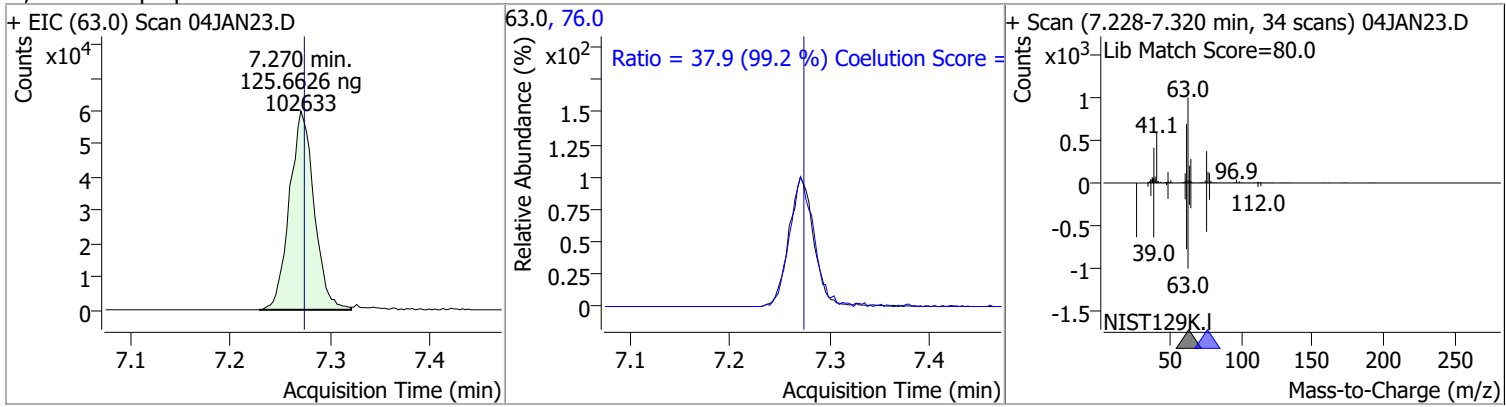


# Quantitation Results Report (QT Reviewed)

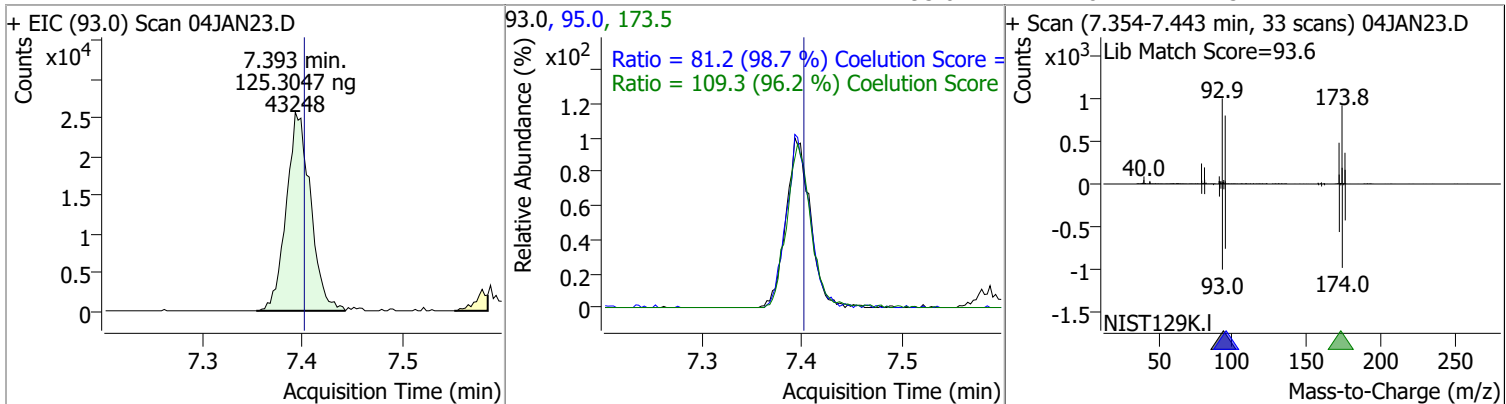
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 131.1096 | 7.02 | -0.01    | 121734 | 130.0 | 102.3  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 63.0   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloropropane | 125.6626 | 7.27 | 0.00     | 102633 | 76.0 | 37.9   | 8.2   | 68.2  |



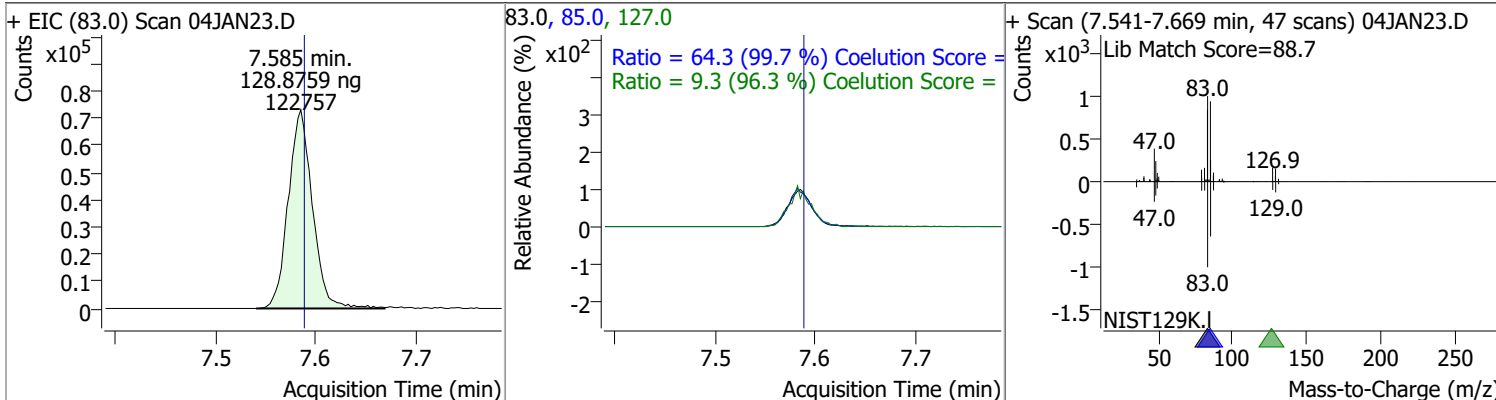
| Compound       | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 125.3047 | 7.39 | -0.01    | 43248 | 173.5 | 109.3  | 83.7  | 143.7 |
|                |          |      |          |       | 95.0  | 81.2   | 52.2  | 112.2 |



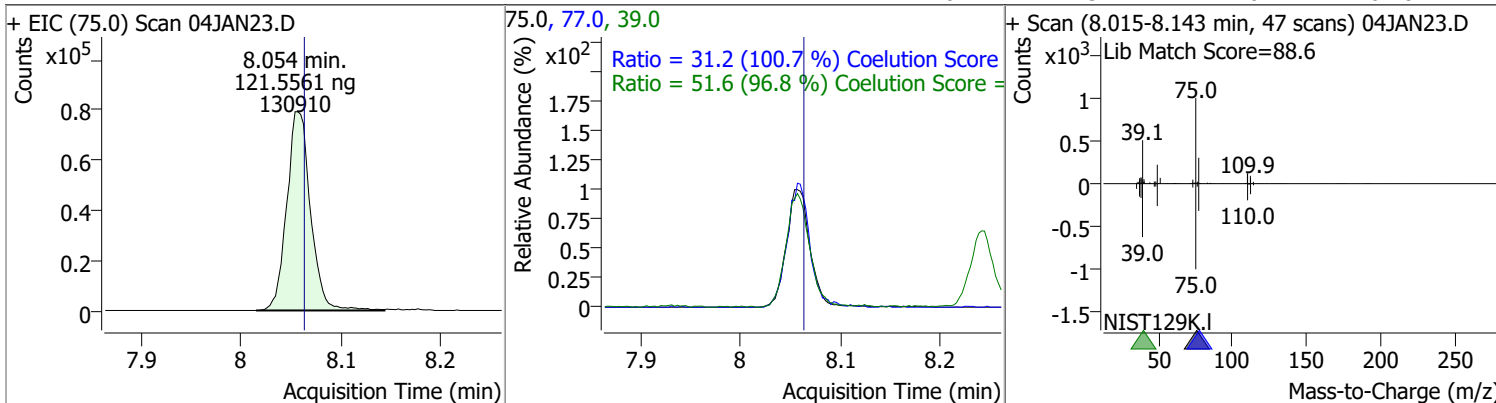


# Quantitation Results Report (QT Reviewed)

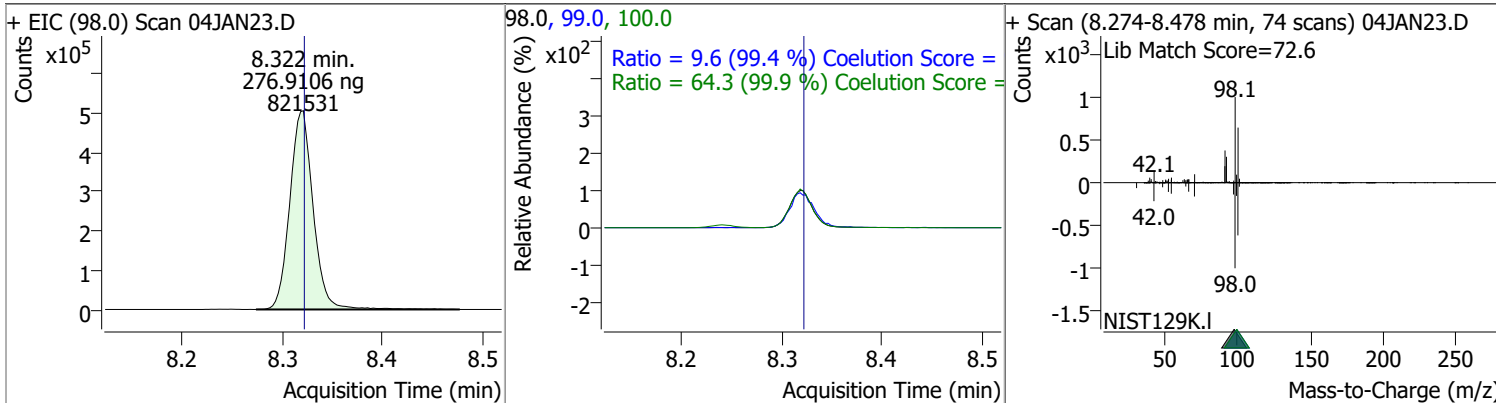
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 128.8759 | 7.59 | 0.00     | 122757 | 85.0  | 64.3   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.3    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 121.5561 | 8.05 | -0.01    | 130910 | 39.0 | 51.6   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 31.2   | 1.0   | 61.0  |



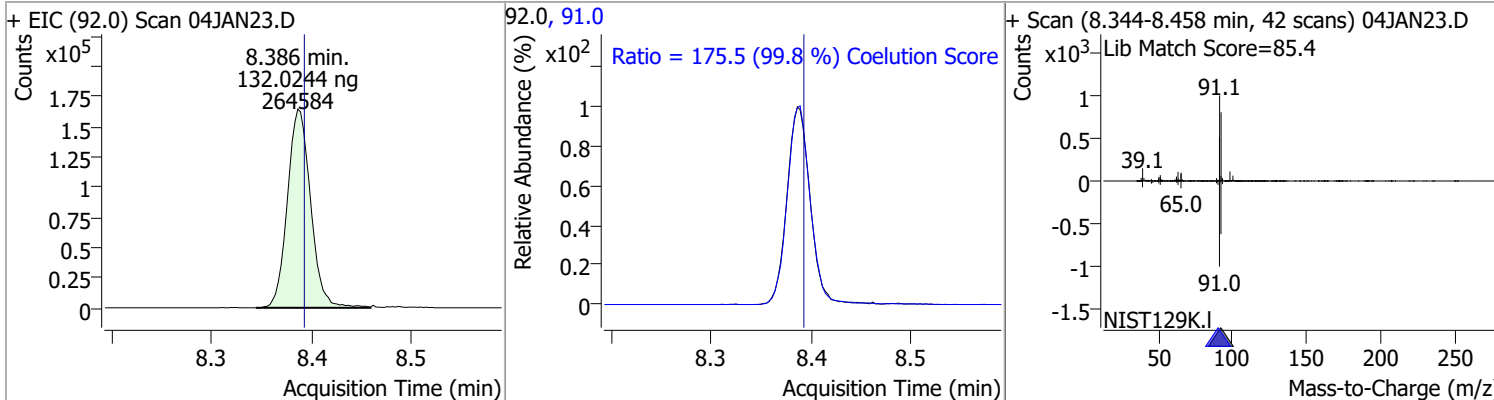
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 276.9106 | 8.32 | 0.00     | 821531 | 100.0 | 64.3   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.6    | 0.0   | 39.6  |



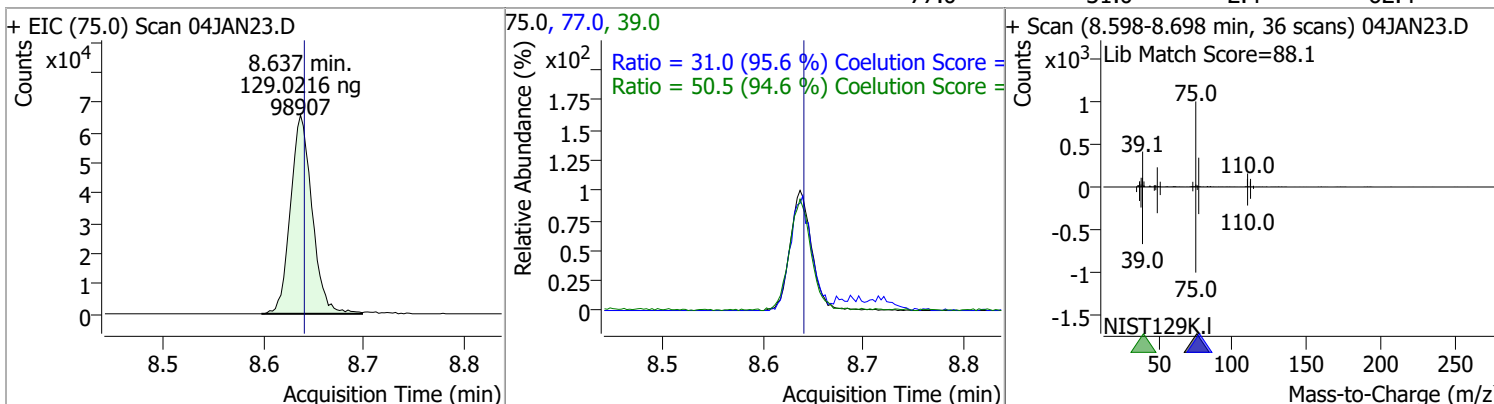


# Quantitation Results Report (QT Reviewed)

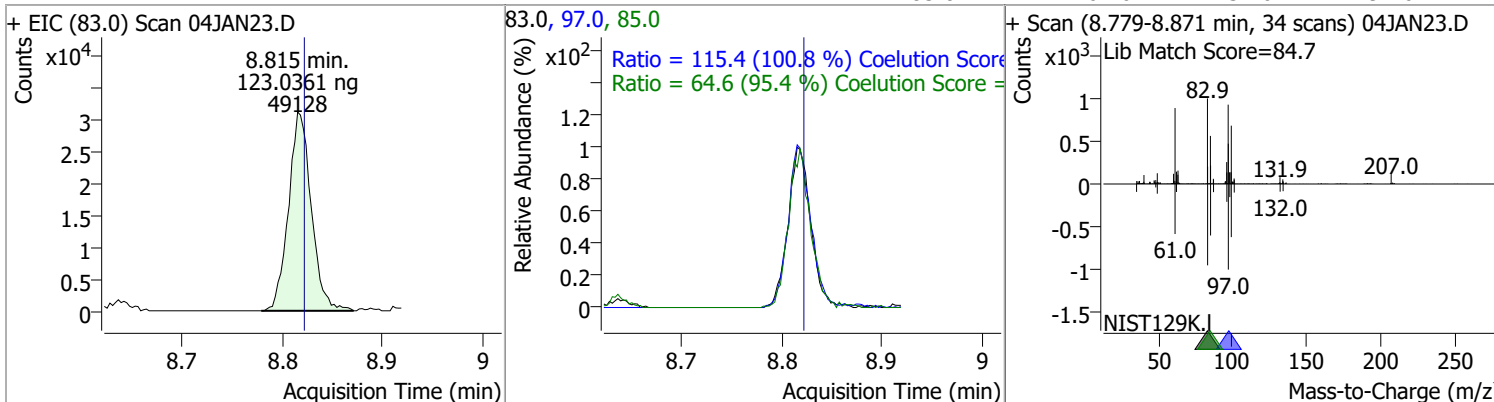
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Toluene  | 132.0244 | 8.39 | 0.00     | 264584 | 91.0 | 175.5  | 145.8 | 205.8 |



| Compound                  | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|-------|------|--------|-------|-------|
| trans-1,3-Dichloropropene | 129.0216 | 8.64 | 0.00     | 98907 | 39.0 | 50.5   | 23.4  | 83.4  |
|                           |          |      |          |       | 77.0 | 31.0   | 2.4   | 62.4  |

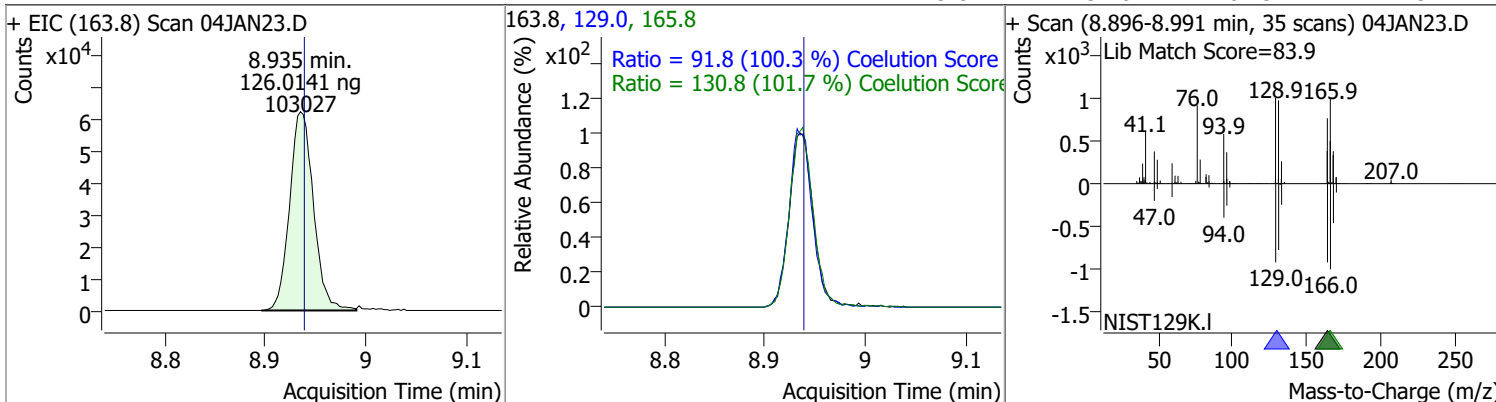


| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1,2-Trichloroethane | 123.0361 | 8.82 | 0.00     | 49128 | 97.0 | 115.4  | 84.6  | 144.6 |
|                       |          |      |          |       | 85.0 | 64.6   | 37.6  | 97.6  |

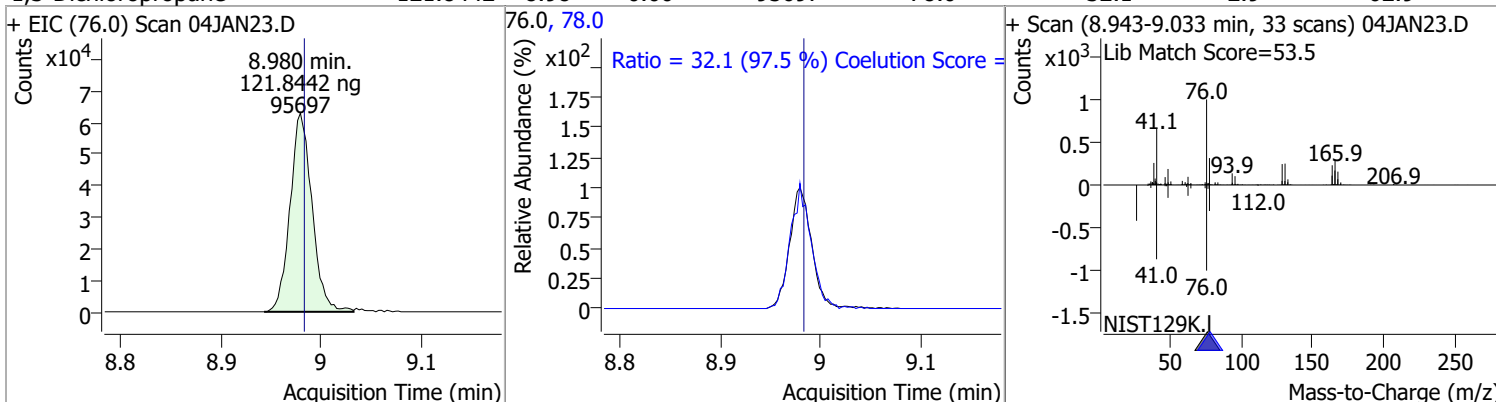


# Quantitation Results Report (QT Reviewed)

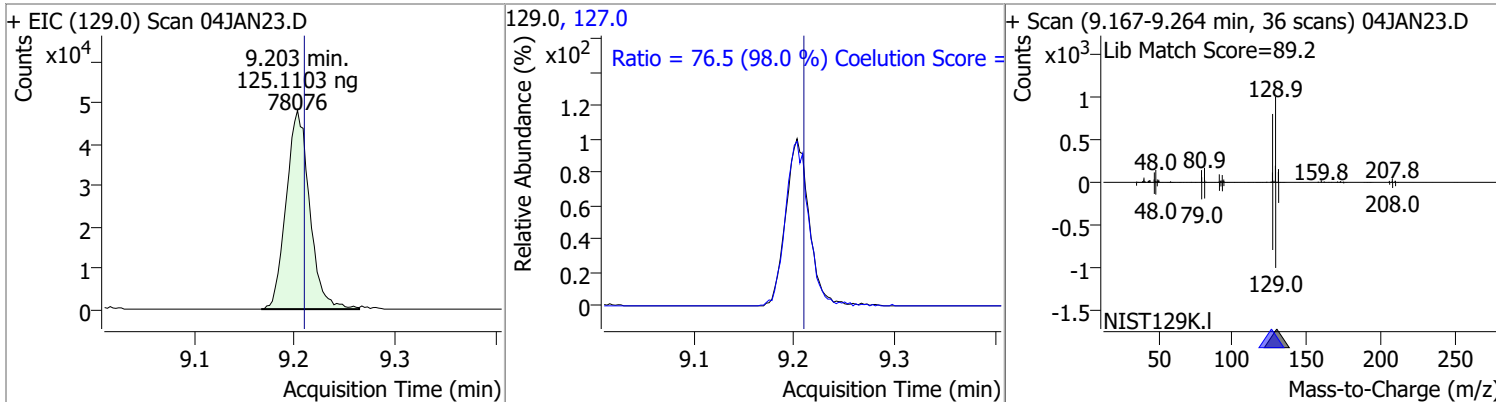
| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Tetrachloroethene | 126.0141 | 8.94 | 0.00     | 103027 | 165.8 | 130.8  | 98.6  | 158.6 |
|                   |          |      |          |        | 129.0 | 91.8   | 61.5  | 121.5 |



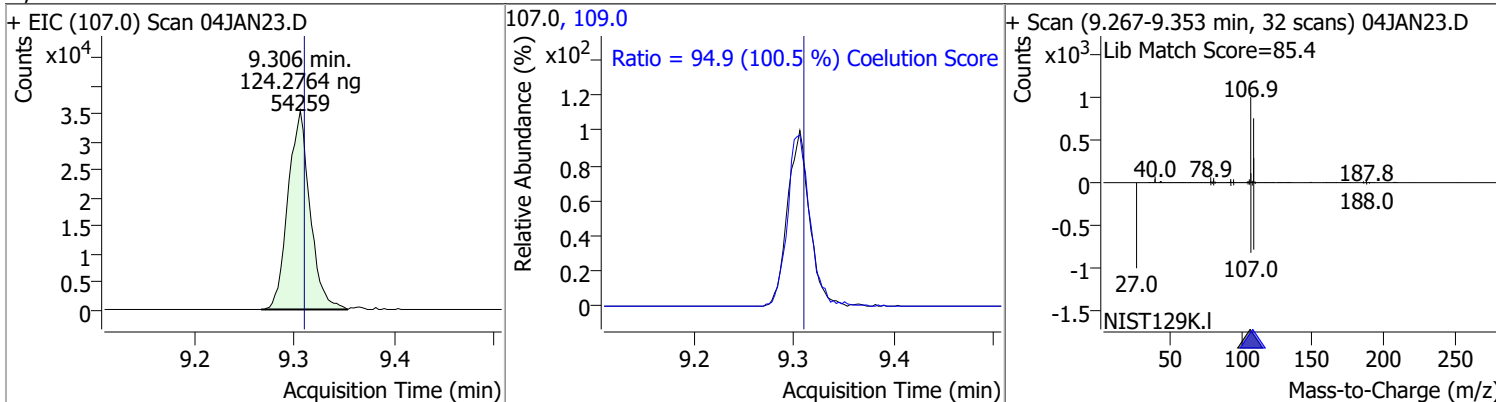
| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,3-Dichloropropane | 121.8442 | 8.98 | 0.00     | 95697 | 78.0 | 32.1   | 2.9   | 62.9  |



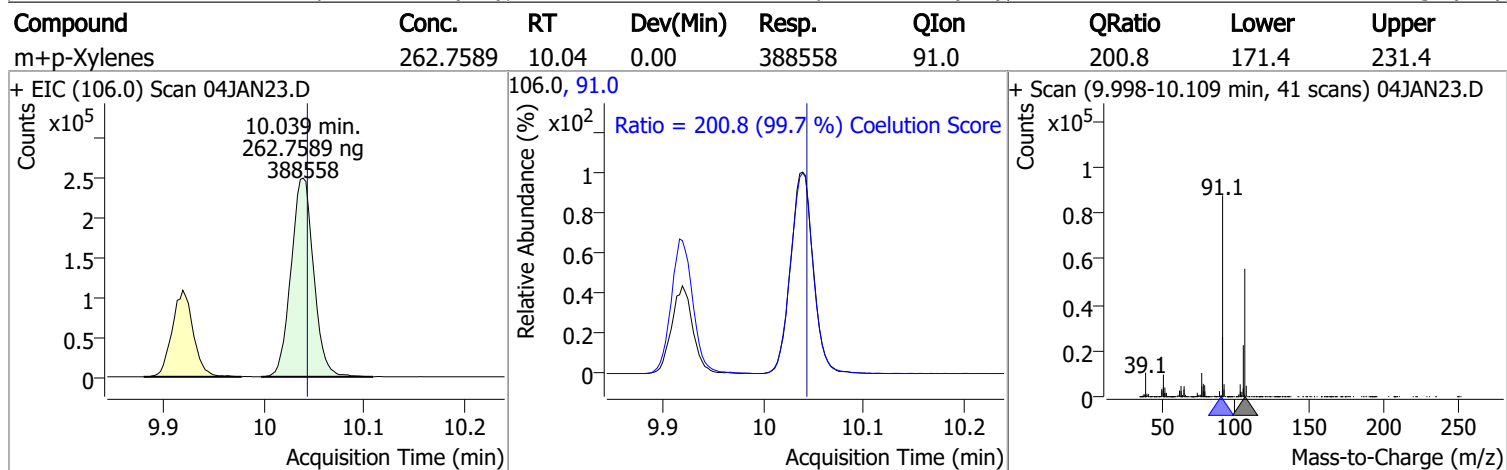
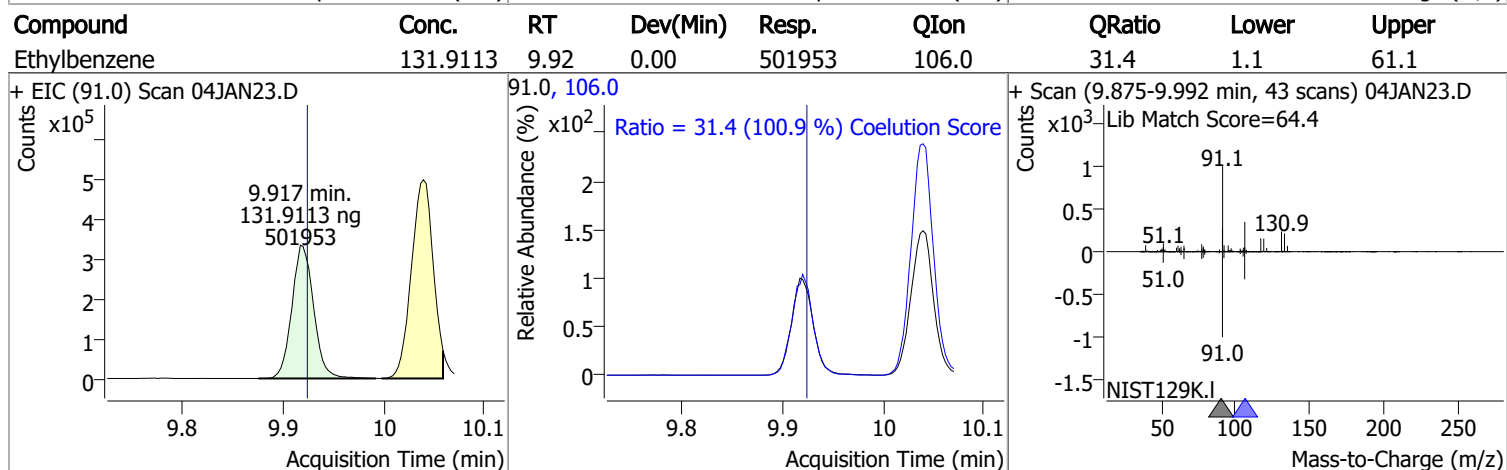
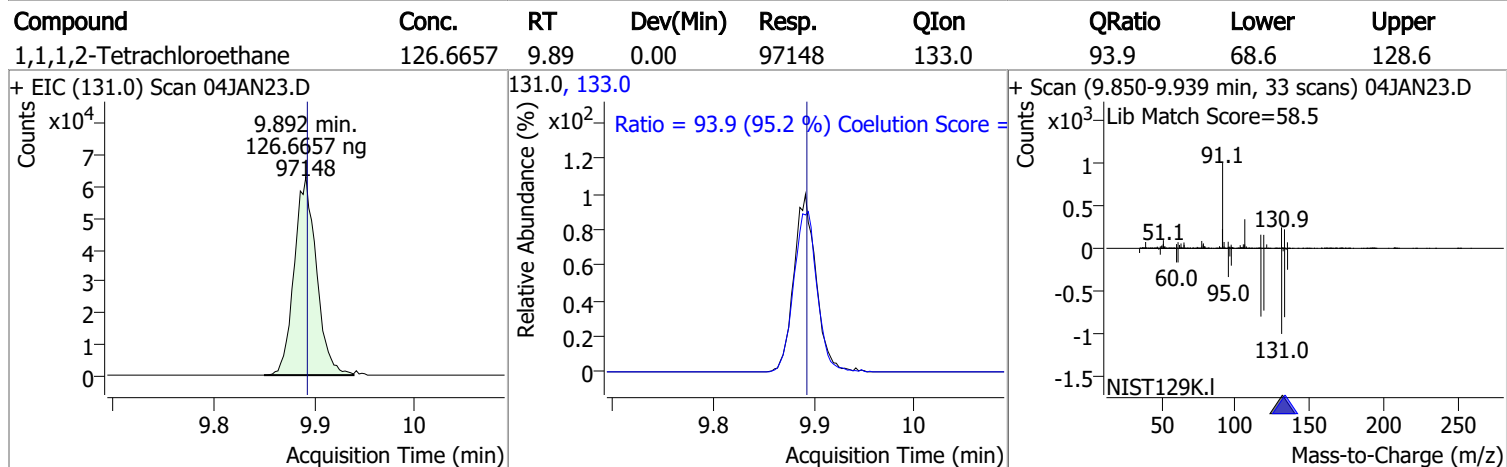
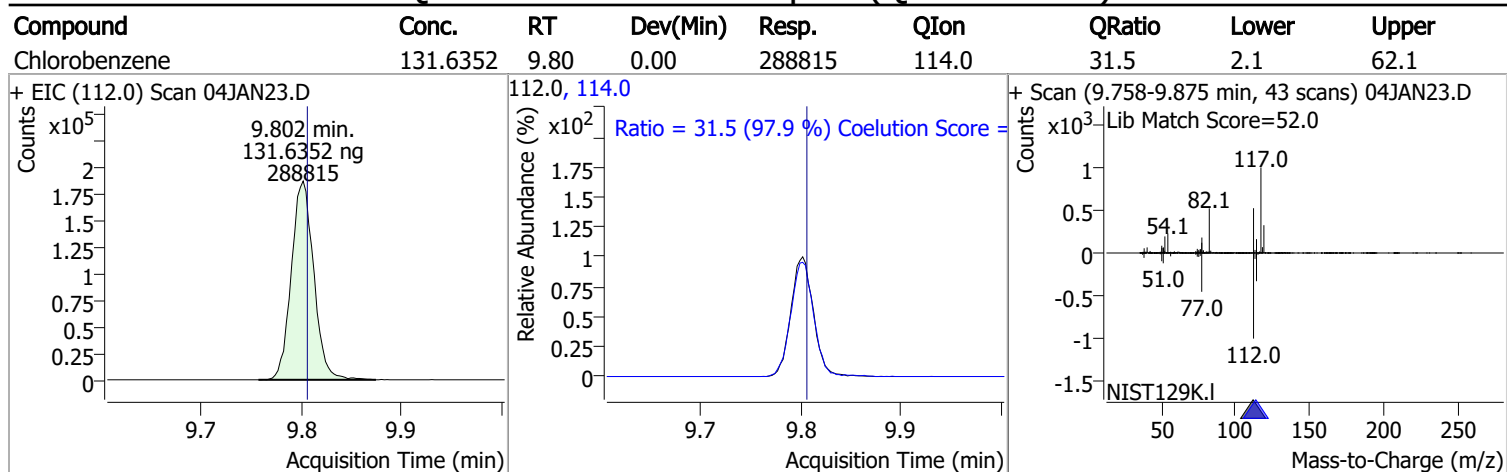
| Compound             | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 125.1103 | 9.20 | 0.00     | 78076 | 127.0 | 76.5   | 48.0  | 108.0 |



| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 124.2764 | 9.31 | 0.00     | 54259 | 109.0 | 94.9   | 64.5  | 124.5 |

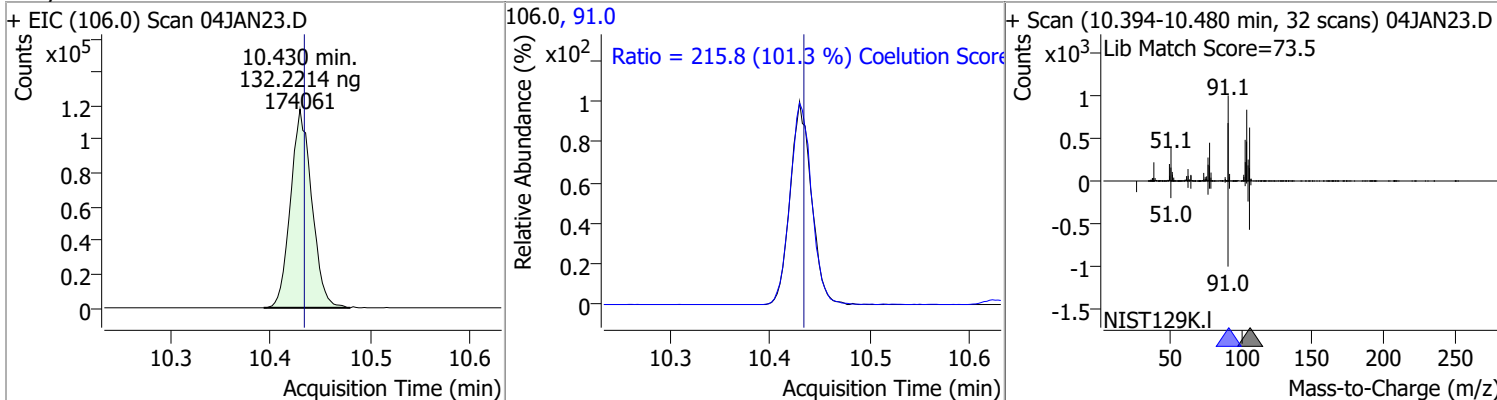


# Quantitation Results Report (QT Reviewed)

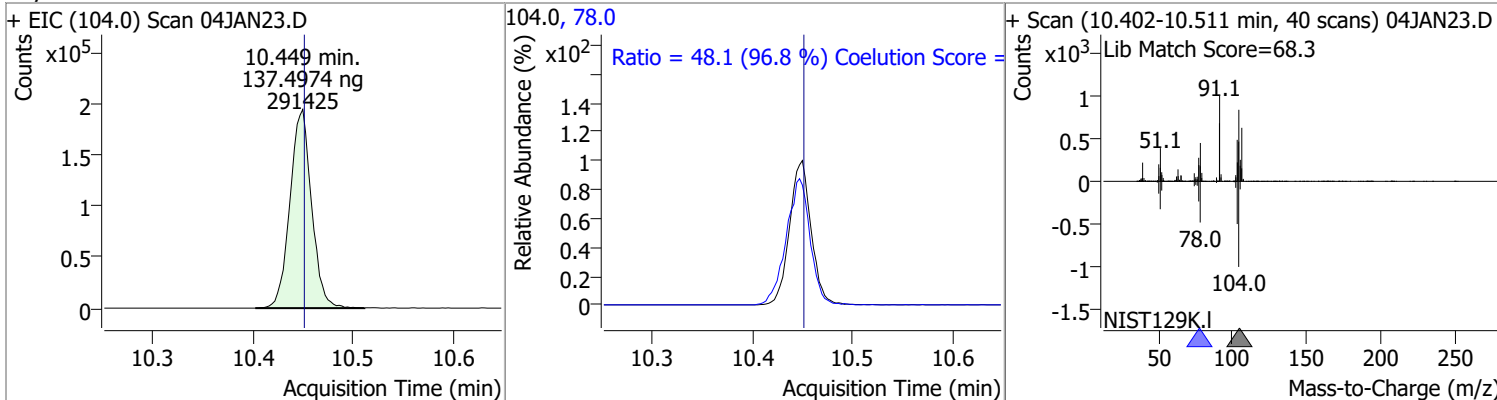


# Quantitation Results Report (QT Reviewed)

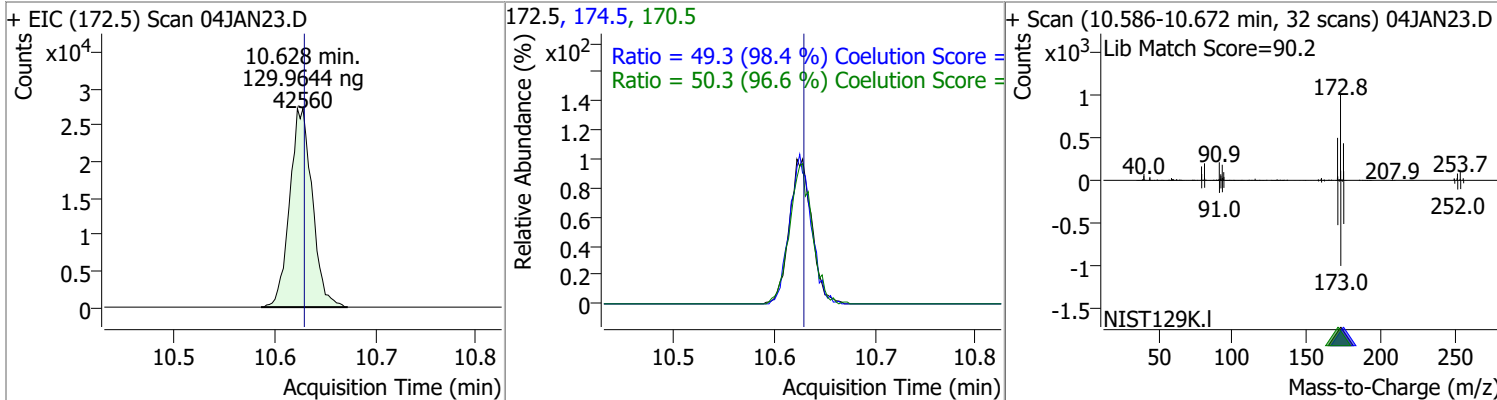
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 132.2214 | 10.43 | 0.00     | 174061 | 91.0 | 215.8  | 183.1 | 243.1 |



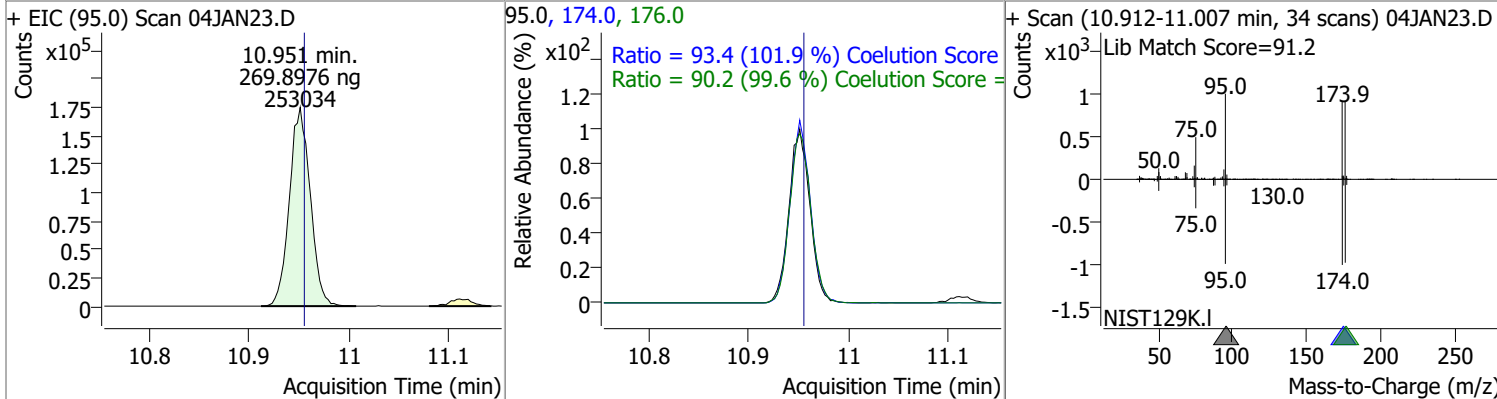
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| Styrene  | 137.4974 | 10.45 | 0.00     | 291425 | 78.0 | 48.1   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 129.9644 | 10.63 | 0.00     | 42560 | 170.5 | 50.3   | 22.1  | 82.1  |
|           |          |       |          |       | 174.5 | 49.3   | 20.1  | 80.1  |

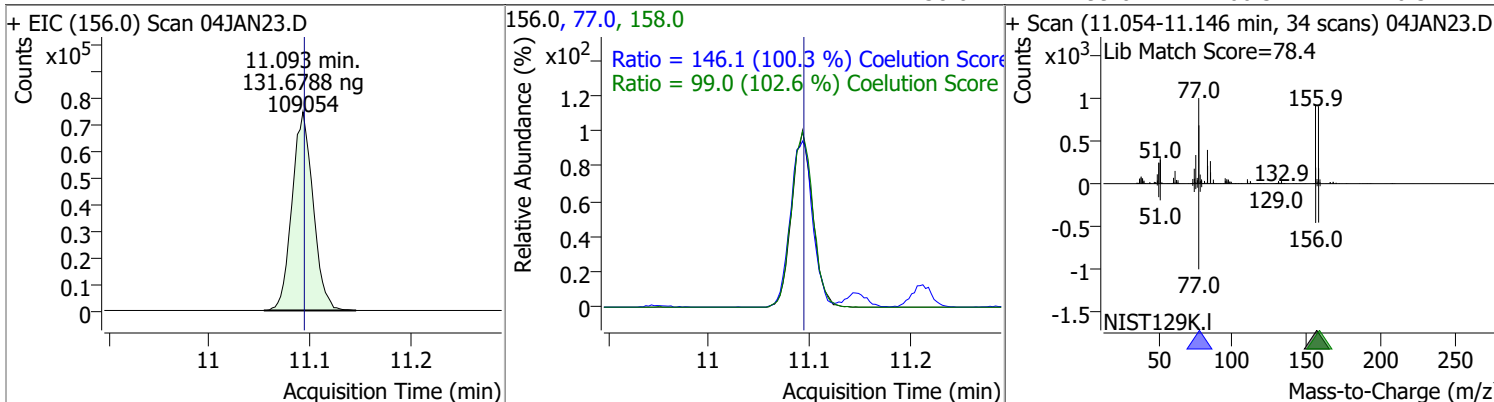


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 269.8976 | 10.95 | 0.00     | 253034 | 174.0 | 93.4   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 90.2   | 60.6  | 120.6 |

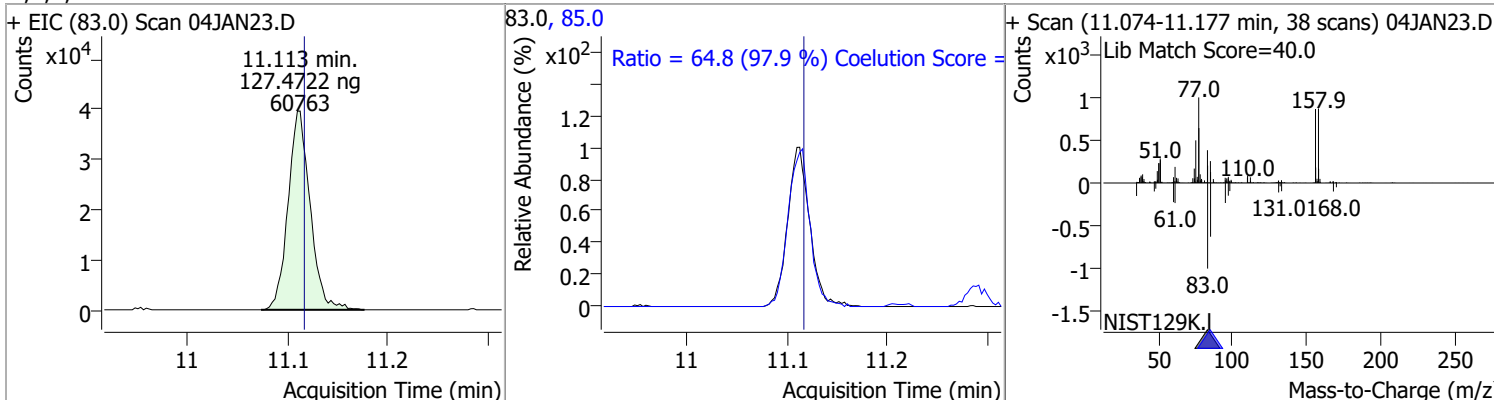


# Quantitation Results Report (QT Reviewed)

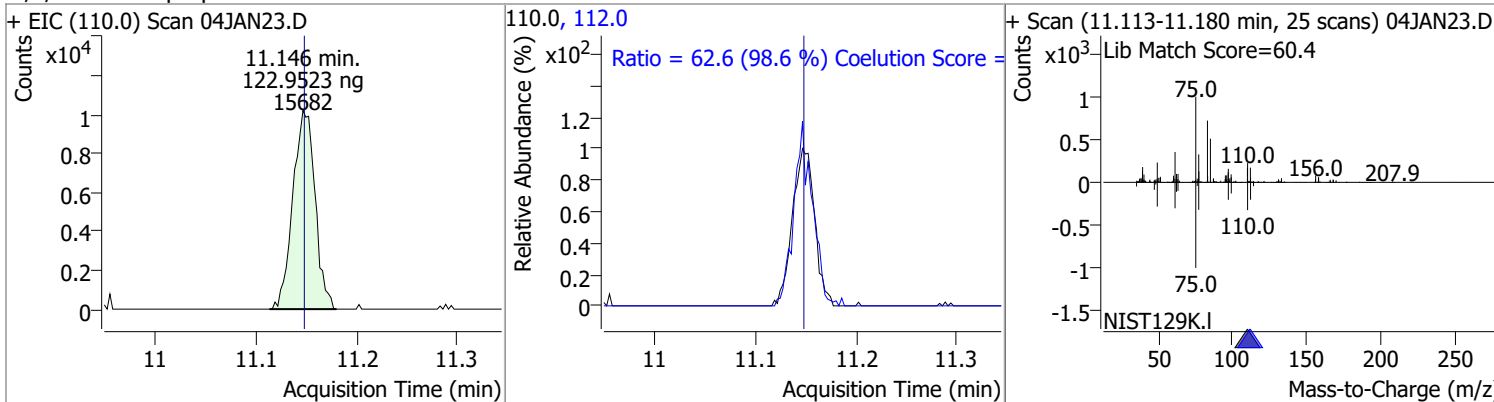
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 131.6788 | 11.09 | 0.00     | 109054 | 77.0  | 146.1  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 99.0   | 66.5  | 126.5 |



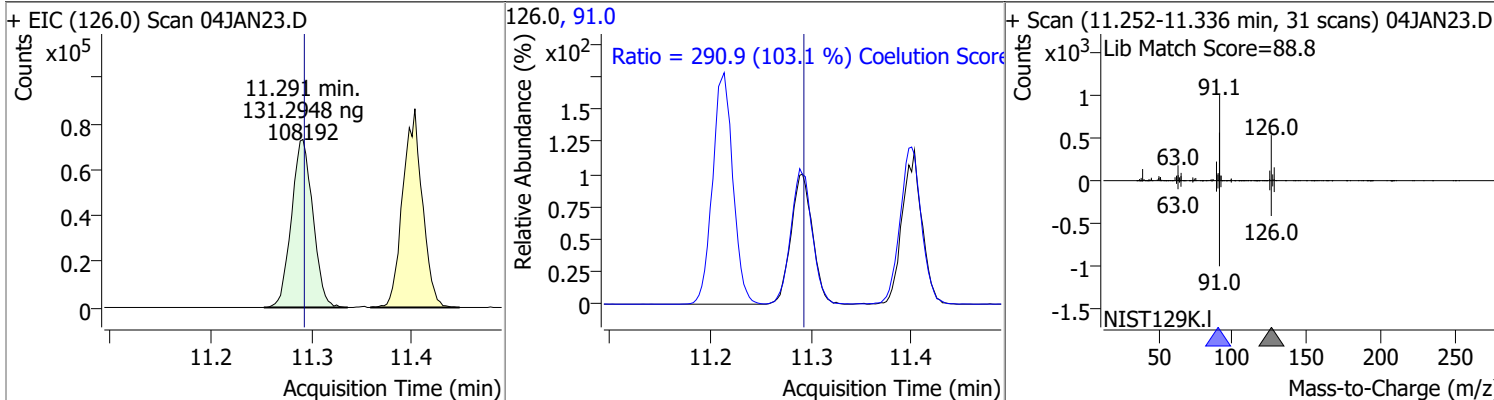
| Compound                  | Conc.    | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 127.4722 | 11.11 | 0.00     | 60763 | 85.0 | 64.8   | 36.2  | 96.2  |



| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 122.9523 | 11.15 | 0.00     | 15682 | 112.0 | 62.6   | 33.5  | 93.5  |

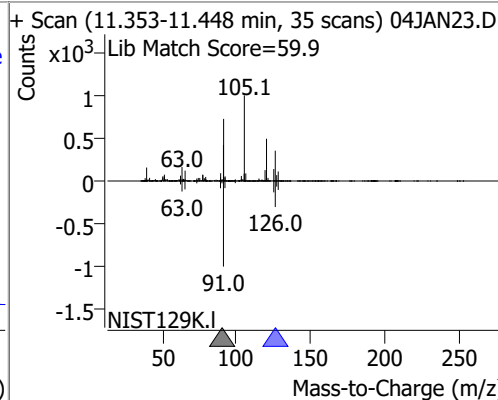
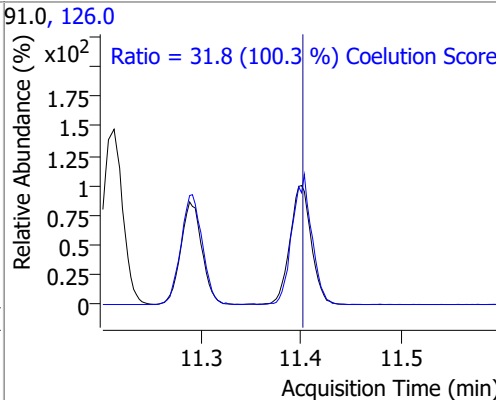
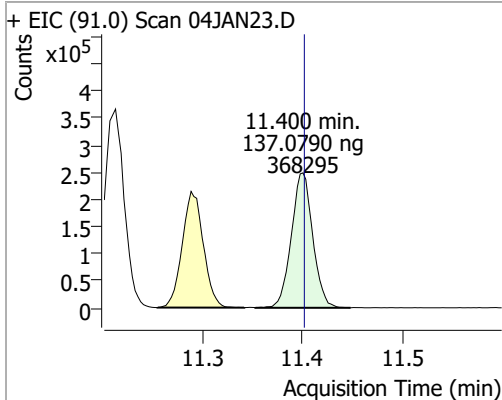


| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 131.2948 | 11.29 | 0.00     | 108192 | 91.0 | 290.9  | 252.3 | 312.3 |

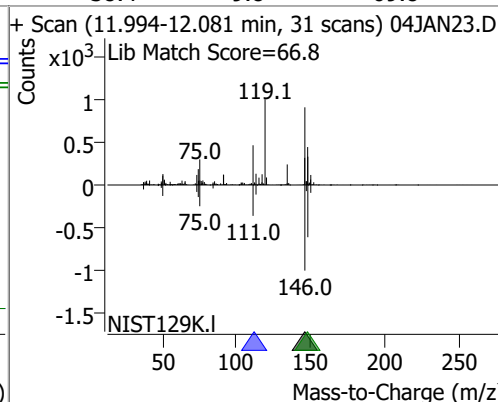
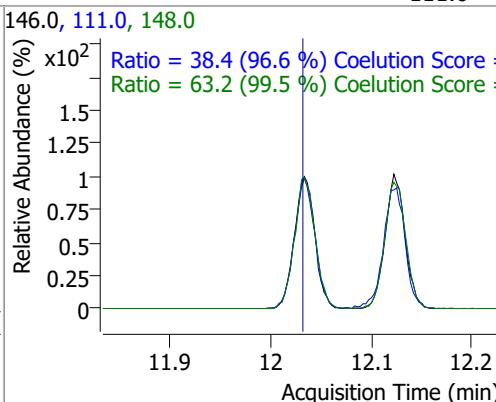
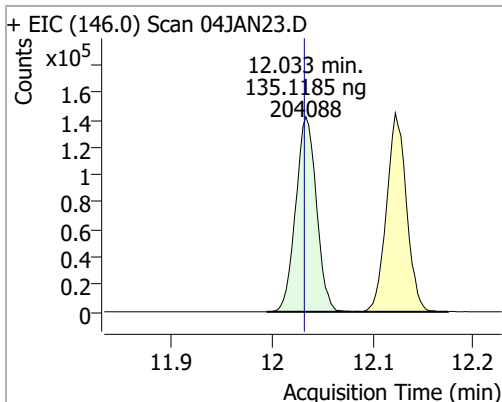


# Quantitation Results Report (QT Reviewed)

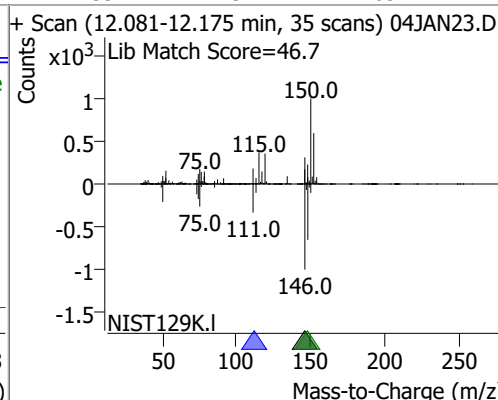
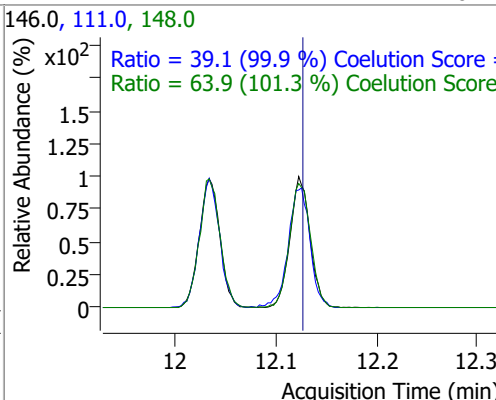
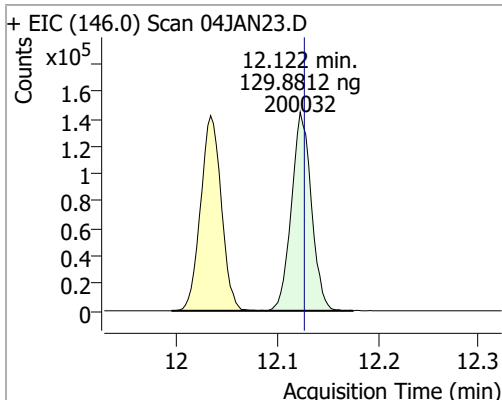
| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 4-Chlorotoluene | 137.0790 | 11.40 | 0.00     | 368295 | 126.0 | 31.8   | 1.7   | 61.7  |



|                     |          |       |      |        |       |      |      |      |
|---------------------|----------|-------|------|--------|-------|------|------|------|
| 1,3-Dichlorobenzene | 135.1185 | 12.03 | 0.00 | 204088 | 148.0 | 63.2 | 33.6 | 93.6 |
|                     |          |       |      |        | 111.0 | 38.4 | 9.8  | 69.8 |

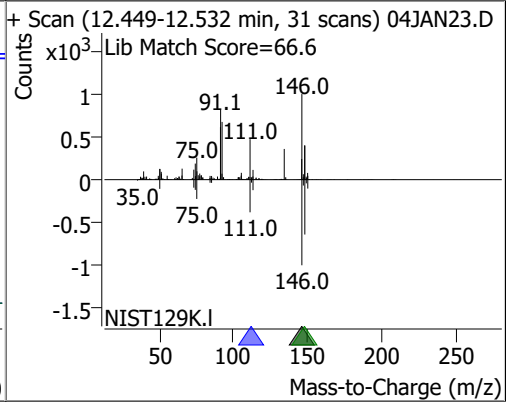
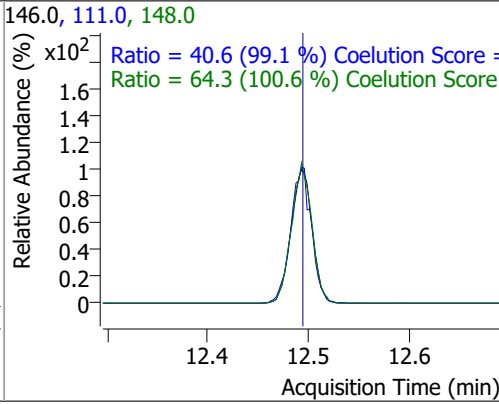
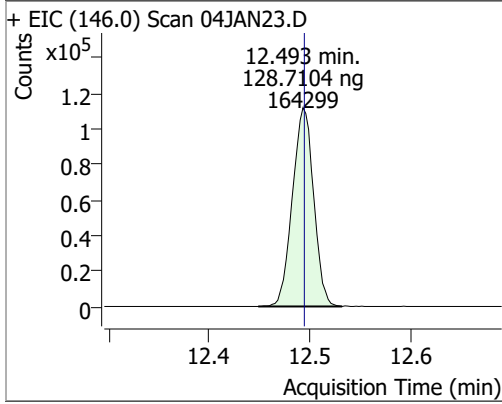


|                     |          |       |      |        |       |      |      |      |
|---------------------|----------|-------|------|--------|-------|------|------|------|
| 1,4-Dichlorobenzene | 129.8812 | 12.12 | 0.00 | 200032 | 148.0 | 63.9 | 33.1 | 93.1 |
|                     |          |       |      |        | 111.0 | 39.1 | 9.1  | 69.1 |



# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 128.7104 | 12.49 | 0.00     | 164299 | 148.0 | 64.3   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 40.6   | 11.0  | 71.0  |





# Audit Trail report

**Batch name and path:** D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422\_8260B.batch.bin  
**Quant batch version:** 10.0  
**Quant reporting version:** 10.0

| Name                         | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdNewBatchTable             | BL2000\mchavez | 1/4/2022 10:36:43 AM | Create new batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/4/2022 10:36:56 AM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010422\04JAN02.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN01.D |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/4/2022 10:37:01 AM | Set SampleType = MatrixBlank for sample 04JAN02.D; previous value = Sample  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/4/2022 10:37:04 AM | Set SampleType = TuneCheck for sample 04JAN02.D; previous value = MatrixBlank                                     |        |         | ✓       |           |
| CmdStartMethodEditing        | BL2000\mchavez | 1/4/2022 10:52:58 AM | Start method editing  |        |         | ✓       |           |
| CmdImportMethodFromBatch     | BL2000\mchavez | 1/4/2022 10:52:59 AM | Import method from batch<br>D:\Org\Data\VOA5975C\VG010322\VG010322_8260B_2ndRun.batch.bin                         |        |         | ✓       |           |
| CmdApplyMethodToAllSamples   | BL2000\mchavez | 1/4/2022 10:53:03 AM | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear               | BL2000\mchavez | 1/4/2022 10:53:03 AM | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing          | BL2000\mchavez | 1/4/2022 10:53:03 AM | End method editing  |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/4/2022 10:53:07 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable            | BL2000\mchavez | 1/4/2022 10:54:55 AM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin                                 |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/4/2022 11:14:07 AM | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/4/2022 11:14:24 AM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010422\04JAN03.D   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/4/2022 11:14:28 AM | Set SampleType = CC for sample 04JAN03.D; previous value = Sample   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/4/2022 11:14:31 AM | Set LevelName = CC for sample 04JAN03.D; previous value =   |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/4/2022 11:14:35 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable            | BL2000\mchavez | 1/4/2022 11:15:38 AM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin                                 |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/4/2022 1:02:39 PM  | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |



# Audit Trail report

| Name                         | User           | Time                | Action  | Reason | Comment | Succeed | Exception |
|------------------------------|----------------|---------------------|---|--------|---------|---------|-----------|
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/4/2022 1:02:58 PM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010422\04JAN05.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN04.D |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/4/2022 1:03:09 PM | Set SampleType = TuneCheck for sample 04JAN05.D; previous value = Sample  |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/4/2022 1:03:40 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable            | BL2000\mchavez | 1/4/2022 1:14:26 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin                                 |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/4/2022 1:47:13 PM | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/4/2022 1:47:29 PM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010422\04JAN06.D   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/4/2022 1:47:35 PM | Set SampleType = CC for sample 04JAN06.D; previous value = Sample   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/4/2022 1:47:38 PM | Set LevelName = CC for sample 04JAN06.D; previous value =   |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/4/2022 1:47:44 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable            | BL2000\mchavez | 1/4/2022 1:53:45 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin                                 |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/4/2022 3:05:35 PM | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/4/2022 3:06:14 PM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010422\04JAN08.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN07.D |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/4/2022 3:06:26 PM | Set SampleType = TuneCheck for sample 04JAN08.D; previous value = Sample  |        |         | ✓       |           |
| CmdSaveBatchTable            | BL2000\mchavez | 1/4/2022 3:24:14 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin                                 |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/5/2022 8:56:03 AM | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |

# Audit Trail report

| Name                         | User           | Time                | Action  | Reason | Comment | Succeed | Exception |
|------------------------------|----------------|---------------------|---|--------|---------|---------|-----------|
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/5/2022 8:58:43 AM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010422\04JAN28.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN27.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN26.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN25.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN24.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN23.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN22.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN21.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN20.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN19.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN18.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN17.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN16.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN15.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN14.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN13.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN12.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN11.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN10.D,<br>D:\Org\Data\VOA5975C\VG010422\04JAN09.D |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 8:59:26 AM | Set SampleType = Blank for sample 04JAN09.D; previous value = Sample  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 8:59:31 AM | Set SampleType = Calibration for sample 04JAN10.D; previous value = Sample  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 8:59:35 AM | Set SampleType = Calibration for sample 04JAN11.D; previous value = Sample  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 8:59:40 AM | Set SampleType = Calibration for sample 04JAN12.D; previous value = Sample  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 8:59:45 AM | Set SampleType = Calibration for sample 04JAN13.D; previous value = Sample  |        |         | ✓       |           |

# Audit Trail report

| Name                  | User           | Time                | Action  | Reason | Comment | Succeed | Exception  |
|-----------------------|----------------|---------------------|---|--------|---------|---------|--|
| CmdSetSampleAttribute | BL2000\mchavez | 1/5/2022 8:59:50 AM | Set SampleType = Calibration for sample 04JAN15.D; previous value = Sample        |        |         | ✓       |  |
| CmdSetSampleAttribute | BL2000\mchavez | 1/5/2022 8:59:55 AM | Set SampleType = Calibration for sample 04JAN17.D; previous value = Sample        |        |         | ✓       |  |
| CmdSetSampleAttribute | BL2000\mchavez | 1/5/2022 9:00:00 AM | Set SampleType = Calibration for sample 04JAN19.D; previous value = Sample        |        |         | ✓       |  |
| CmdSetSampleAttribute | BL2000\mchavez | 1/5/2022 9:00:08 AM | Set SampleType = Calibration for sample 04JAN21.D; previous value = Sample        |        |         | ✓       |  |
| CmdSetSampleAttribute | BL2000\mchavez | 1/5/2022 9:00:14 AM | Set SampleType = QC for sample 04JAN23.D; previous value = Sample                 |        |         | ✓       |  |
| CmdSaveBatchTable     | BL2000\mchavez | 1/5/2022 9:11:16 AM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin |        |         | ✓       |  |
| CmdOpenBatchTable     | BL2000\mchavez | 1/5/2022 9:58:34 AM | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin              |        |         | ✓       |  |
| CmdQuantitate         | BL2000\mchavez | 1/5/2022 9:58:40 AM | Quantitate all compounds in all samples   |        |         |         | Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Batch quantitation failed ---><br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Sample not validated: Level name is undefined for a Calibration or QC sample.<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.ValidateBatchMethod()<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.Quantitate()<br>--- End of inner exception stack<br>trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.Quantitate()<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdQuantitate.QuantitateBatch(Int16 batchId)<br>at<br>Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext.Invoke(ICommand cmd) |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:06:05 AM | Set LevelName = 1 for sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/5/2022 10:06:09 AM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable                 | BL2000\mchavez | 1/5/2022 10:14:38 AM | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:14:47 AM | Set LevelName = 2 for sample 04JAN11.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:14:52 AM | Set LevelName = 3 for sample 04JAN12.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:14:57 AM | Set LevelName = 4 for sample 04JAN13.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:15:05 AM | Set LevelName = 5 for sample 04JAN15.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:15:11 AM | Set LevelName = 6 for sample 04JAN17.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:15:16 AM | Set LevelName = 7 for sample 04JAN19.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:15:21 AM | Set LevelName = 8 for sample 04JAN21.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:15:29 AM | Set LevelName = QC for sample 04JAN23.D; previous value =   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:15:36 AM | Set SampleInformation = LCSA for sample 04JAN23.D; previous value =   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/5/2022 10:16:01 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:16:49 AM | Manually integrate compound Chloroethane in sample 04JAN10.D, from x, y = 1.874, 1384 to 1.916, 1542, result = 2178; previous integration is from x, y = 1.894, 1143 to 1.933, 1143 and previous response = 2132.     |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:16:53 AM | Manually integrate qualifier 66.0 of compound Chloroethane in sample 04JAN10.D from x, y = 1.869, 0 to 1.908, 8; result = 781   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:16:54 AM | Manually integrate qualifier 66.0 of compound Chloroethane in sample 04JAN10.D, from x, y = 1.869, 0 to 1.913, 0, result = 824; previous integration is from x, y = 1.869, 0 to 1.908, 8 and previous response = 781. |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:17:08 AM | Manually integrate compound Bromomethane in sample 04JAN10.D from x, y = 1.768, -2 to 1.849, 0; result = 1902   |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:17:15 AM | Manually integrate qualifier 87.0 of compound Dichlorodifluoromethane in sample 04JAN10.D from x, y = 1.202, 0 to 1.289, 0; result = 1393   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:17:25 AM | Manually integrate qualifier 52.0 of compound Chloromethane in sample 04JAN10.D from x, y = 1.370, 0 to 1.459, 0; result = 1679   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:17:55 AM | Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 04JAN10.D, from x, y = 1.492, 6362 to 1.506, 5900, result = 1131; previous integration is from x, y = 1.308, 0 to 1.682, 0 and previous response = 192320. |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:18:11 AM | Manually integrate compound 1,1-Dichloroethene in sample 04JAN10.D from x, y = 2.636, 0 to 2.747, 0; result = 2084  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:18:16 AM | Manually integrate qualifier 63.0 of compound 1,1-Dichloroethene in sample 04JAN10.D from x, y = 2.672, 0 to 2.753, 0; result = 1158  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:18:38 AM | Manually integrate qualifier 86.0 of compound Methylene chloride in sample 04JAN10.D from x, y = 3.288, 0 to 3.386, 0; result = 1820  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:19:27 AM | Manually integrate compound trans-1,2-Dichloroethene in sample 04JAN10.D from x, y = 3.673, 0 to 3.762, 0; result = 2146  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:19:31 AM | Manually integrate qualifier 98.0 of compound trans-1,2-Dichloroethene in sample 04JAN10.D from x, y = 3.684, 0 to 3.779, 0; result = 1426  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:19:36 AM | Manually integrate compound Methyl tert-butyl ether (MTBE) in sample 04JAN10.D from x, y = 3.698, 0 to 3.832, 0; result = 2717  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:19:38 AM | Manually integrate qualifier 57.0 of compound Methyl tert-butyl ether (MTBE) in sample 04JAN10.D from x, y = 3.690, 0 to 3.798, 0; result = 531   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:19:46 AM | Manually integrate compound 2,2-Dichloropropane in sample 04JAN10.D from x, y = 5.137, 0 to 5.279, 0; result = 2930   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:19:49 AM | Manually integrate qualifier 97.0 of compound 2,2-Dichloropropane in sample 04JAN10.D from x, y = 5.151, 0 to 5.285, 0; result = 814  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:19:52 AM | Manually integrate qualifier41.0 of compound 2,2-Dichloropropane in sample 04JAN10.D from x, y = 5.151, 0 to 5.257, 0; result = 2246    |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:20:11 AM | Manually integrate qualifier65.0 of compound 1,1-Dichloroethane in sample 04JAN10.D from x, y = 4.323, 0 to 4.465, 0; result = 1347     |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:20:13 AM | Manually integrate qualifier83.0 of compound 1,1-Dichloroethane in sample 04JAN10.D from x, y = 4.342, 0 to 4.426, 0; result = 227      |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:26:02 AM | Manually integrate compound cis-1,2-Dichloroethene in sample 04JAN10.D from x, y = 5.145, 0 to 5.282, 0; result = 2376                  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:05 AM | Manually integrate qualifier61.0 of compound cis-1,2-Dichloroethene in sample 04JAN10.D from x, y = 5.151, 0 to 5.274, 0; result = 4139 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:07 AM | Manually integrate qualifier98.0 of compound cis-1,2-Dichloroethene in sample 04JAN10.D from x, y = 5.176, 0 to 5.257, 0; result = 1525 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:12 AM | Manually integrate qualifier72.0 of compound Methyl ethyl ketone in sample 04JAN10.D from x, y = 5.274, 0 to 5.343, 0; result = 435     |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:26:18 AM | Manually integrate compound Bromochloromethane in sample 04JAN10.D from x, y = 5.463, 0 to 5.555, 0; result = 807                       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:20 AM | Manually integrate qualifier49.0 of compound Bromochloromethane in sample 04JAN10.D from x, y = 5.472, 0 to 5.558, 0; result = 1686     |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:23 AM | Manually integrate qualifier85.0 of compound Chloroform in sample 04JAN10.D from x, y = 5.592, 0 to 5.734, 0; result = 2708             |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:26:28 AM | Manually integrate compound Dibromofluoromethane in sample 04JAN10.D from x, y = 5.812, 0 to 5.915, 0; result = 2508                    |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:30 AM | Manually integrate qualifier191.5 of compound Dibromofluoromethane in sample 04JAN10.D from x, y = 5.809, 0 to 5.884, 0; result = 479   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:37 AM | Manually integrate qualifier61.0 of compound 1,1,1-Trichloroethane in sample 04JAN10.D from x, y = 5.790, 0 to 5.890, 0; result = 1705  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:42 AM | Manually integrate qualifier121.0 of compound Carbon tetrachloride in sample 04JAN10.D from x, y = 5.999, 0 to 6.068, 0; result = 903   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:46 AM | Manually integrate qualifier110.0 of compound 1,1-Dichloropropene in sample 04JAN10.D from x, y = 5.993, 0 to 6.074, 0; result = 1122   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:26:48 AM | Manually integrate qualifier77.0 of compound 1,1-Dichloropropene in sample 04JAN10.D from x, y = 6.013, 0 to 6.099, 0; result = 1052  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:26:53 AM | Manually integrate compound 1,2-Dichloroethane-d4 in sample 04JAN10.D from x, y = 6.188, -35 to 6.283, 0; result = 1023   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:26:58 AM | Manually integrate compound 1,2-Dichloroethane-d4 in sample 04JAN10.D, from x, y = 6.197, 0 to 6.283, 0, result = 923; previous integration is from x, y = 6.188, -35 to 6.283, 0 and previous response = 1023.             |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:27:00 AM | Manually integrate qualifier65.0 of compound 1,2-Dichloroethane-d4 in sample 04JAN10.D from x, y = 6.199, 0 to 6.275, 0; result = 1927  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:27:34 AM | Manually integrate qualifier77.0 of compound Benzene in sample 04JAN10.D from x, y = 6.222, 0 to 6.339, 0; result = 1884  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:27:39 AM | Manually integrate compound 1,2-Dichloroethane in sample 04JAN10.D from x, y = 6.269, 0 to 6.386, 0; result = 2415  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:27:41 AM | Manually integrate qualifier64.0 of compound 1,2-Dichloroethane in sample 04JAN10.D from x, y = 6.280, 0 to 6.378, 0; result = 761  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:27:43 AM | Manually integrate qualifier98.0 of compound 1,2-Dichloroethane in sample 04JAN10.D from x, y = 6.303, 0 to 6.386, 0; result = 119  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:27:47 AM | Manually integrate compound Trichloroethene in sample 04JAN10.D from x, y = 6.989, 0 to 7.083, 0; result = 2372   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:27:51 AM | Manually integrate qualifier 130.0 of compound Trichloroethene in sample 04JAN10.D, from x, y = 6.997, 0 to 7.072, 0, result = 2567; previous integration is from x, y = 6.997, 0 to 7.044, 0 and previous response = 2405. |        |         | ✓       |           |



# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:27:53 AM | Manually integrate qualifier 97.0 of compound Trichloroethene in sample 04JAN10.D from x, y = 6.991, 0 to 7.078, 0; result = 1659   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:27:59 AM | Manually integrate qualifier 76.0 of compound 1,2-Dichloropropane in sample 04JAN10.D from x, y = 7.231, 0 to 7.321, 0; result = 733  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:28:03 AM | Manually integrate compound Dibromomethane in sample 04JAN10.D from x, y = 7.357, 0 to 7.424, 0; result = 902   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:28:06 AM | Manually integrate qualifier 95.0 of compound Dibromomethane in sample 04JAN10.D from x, y = 7.357, 0 to 7.454, 0; result = 535   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:28:09 AM | Manually integrate qualifier 173.5 of compound Dibromomethane in sample 04JAN10.D from x, y = 7.360, 0 to 7.429, 0; result = 1002   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:28:15 AM | Manually integrate qualifier 85.0 of compound Bromodichloromethane in sample 04JAN10.D from x, y = 7.546, 0 to 7.633, 0; result = 1631  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:28:17 AM | Manually integrate qualifier 127.0 of compound Bromodichloromethane in sample 04JAN10.D from x, y = 7.569, 0 to 7.633, 0; result = 130  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:28:23 AM | Manually integrate qualifier 77.0 of compound cis-1,3-Dichloropropene in sample 04JAN10.D from x, y = 8.009, 0 to 8.107, 0; result = 922  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:28:35 AM | Manually integrate qualifier 39.0 of compound cis-1,3-Dichloropropene in sample 04JAN10.D from x, y = 8.037, 0 to 8.090, 0; result = 1459   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:28:40 AM | Manually integrate qualifier 99.0 of compound Toluene-d8 in sample 04JAN10.D from x, y = 8.271, 0 to 8.350, 0; result = 699   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:28:47 AM | Manually integrate compound trans-1,3-Dichloropropene in sample 04JAN10.D from x, y = 8.614, 0 to 8.684, 0; result = 1470   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:28:50 AM | Manually integrate qualifier 77.0 of compound trans-1,3-Dichloropropene in sample 04JAN10.D, from x, y = 8.601, 0 to 8.656, -10, result = 8023; previous integration is from x, y = 8.656, 57 to 8.709, 135 and previous response = 3575. |        |         | ✓       |           |



# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:29:03 AM | Manually integrate qualifier 77.0 of compound trans-1,3-Dichloropropene in sample 04JAN10.D, from x, y = 8.601, 0 to 8.656, 156, result = 6858; previous integration is from x, y = 8.601, 0 to 8.835, -10 and previous response = 8023.                                   |        |         | ✓       |           |
| CmdManuallyIntegrateDropBaseline  | BL2000\mchavez | 1/5/2022 10:29:04 AM | Drop baseline for qualifier 77.0 of compound trans-1,3-Dichloropropene in sample 04JAN10.D to y = 0, new integration is from x, y = 8.601, 0 to 8.835, 0 and new response = 7954; previous integration is from x, y = 8.601, 0 to 8.835, 156 and previous response = 6858. |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:29:09 AM | Manually integrate qualifier 77.0 of compound trans-1,3-Dichloropropene in sample 04JAN10.D, from x, y = 8.601, 0 to 8.648, 141, result = 368; previous integration is from x, y = 8.601, 0 to 8.835, 0 and previous response = 7954.                                      |        |         | ✓       |           |
| CmdManuallyIntegrateDropBaseline  | BL2000\mchavez | 1/5/2022 10:29:12 AM | Drop baseline for qualifier 77.0 of compound trans-1,3-Dichloropropene in sample 04JAN10.D to y = 0, new integration is from x, y = 8.601, 0 to 8.648, 0 and new response = 568; previous integration is from x, y = 8.601, 0 to 8.648, 141 and previous response = 368.   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:29:19 AM | Manually integrate qualifier 39.0 of compound trans-1,3-Dichloropropene in sample 04JAN10.D from x, y = 8.614, 0 to 8.648, 26; result = 974  |        |         | ✓       |           |
| CmdManuallyIntegrateDropBaseline  | BL2000\mchavez | 1/5/2022 10:29:21 AM | Drop baseline for qualifier 39.0 of compound trans-1,3-Dichloropropene in sample 04JAN10.D to y = 0, new integration is from x, y = 8.614, 0 to 8.648, 0 and new response = 1000; previous integration is from x, y = 8.614, 0 to 8.648, 26 and previous response = 974.   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:29:29 AM | Manually integrate compound 1,1,2-Trichloroethane in sample 04JAN10.D from x, y = 8.785, 0 to 8.843, 0; result = 960   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:29:31 AM | Manually integrate qualifier 97.0 of compound 1,1,2-Trichloroethane in sample 04JAN10.D from x, y = 8.782, 0 to 8.857, 0; result = 1099  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:29:34 AM | Manually integrate qualifier 85.0 of compound 1,1,2-Trichloroethane in sample 04JAN10.D from x, y = 8.796, 0 to 8.851, 0; result = 418   |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:29:39 AM | Manually integrate compound Tetrachloroethene in sample 04JAN10.D from x, y = 8.899, 0 to 8.983, 0; result = 2105  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:29:43 AM | Manually integrate qualifier 165.8 of compound Tetrachloroethene in sample 04JAN10.D from x, y = 8.885, 0 to 9.019, 0; result = 2853   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:29:48 AM | Manually integrate qualifier 78.0 of compound 1,3-Dichloropropane in sample 04JAN10.D from x, y = 8.952, 0 to 9.010, 0; result = 452   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:29:52 AM | Manually integrate compound Chlorodibromomethane in sample 04JAN10.D from x, y = 9.169, 0 to 9.256, 0; result = 1468   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:29:54 AM | Manually integrate qualifier 127.0 of compound Chlorodibromomethane in sample 04JAN10.D from x, y = 9.175, 0 to 9.242, 0; result = 1140  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:29:58 AM | Manually integrate compound 1,2-Dibromoethane in sample 04JAN10.D from x, y = 9.278, 0 to 9.348, 0; result = 1299  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:30:00 AM | Manually integrate qualifier 109.0 of compound 1,2-Dibromoethane in sample 04JAN10.D from x, y = 9.275, 0 to 9.340, 0; result = 1039   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:30:35 AM | Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 04JAN15.D, from x, y = 1.476, 4348 to 1.540, 3059, result = 44384; previous integration is from x, y = 1.478, 954 to 1.687, 2147 and previous response = 61198. |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:35:03 AM | Set SampleApproved = True for sample 04JAN15.D; previous value = False   |        |         | ✓       |           |
| CmdStartMethodEditing             | BL2000\mchavez | 1/5/2022 10:35:10 AM | Start method editing   |        |         | ✓       |           |
| CmdImportMethodFromSample         | BL2000\mchavez | 1/5/2022 10:35:10 AM | Import method from sample 04JAN15.D  |        |         | ✓       |           |

# Audit Trail report

| Name                    | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdUpdateRetentionTimes | BL2000\mchavez | 1/5/2022 10:35:27 AM | Update retention time for compound 1,4-Dichlorobenzene; 1,3-Dichlorobenzene; 4-Chlorotoluene; 2-Chlorotoluene; 1,2,3-Trichloropropane; Bromobenzene; 1,1,2,2-Tetrachloroethane; p-Bromofluorobenzene; Bromoform; Styrene; o-Xylene; m+p-Xylenes; Ethylbenzene; 1,1,1,2-Tetrachloroethane; Chlorobenzene; 1,2-Dibromoethane; Chlorodibromomethane; 1,3-Dichloropropane; Tetrachloroethene; 1,1,2-Trichloroethane; trans-1,3-Dichloropropene; Toluene; Toluene-d8; cis-1,3-Dichloropropene; Bromodichloromethane; Dibromomethane; 1,2-Dichloropropane; Trichloroethene; 1,2-Dichloroethane; Benzene; 1,2-Dichloroethane-d4; 1,1-Dichloropropene; Carbon tetrachloride; 1,1,1-Trichloroethane; Dibromofluoromethane; Chloroform; Bromochloromethane; Methyl ethyl ketone; cis-1,2-Dichloroethene; 2,2-Dichloropropane; 1,1-Dichloroethane; Methyl tert-butyl ether (MTBE); trans-1,2-Dichloroethene; Methylene chloride; 1,1-Dichloroethene; Trichlorofluoromethane; Chloroethane; Bromomethane; Vinyl chloride; Chloromethane; Dichlorodifluoromethane; 1,4-Dichlorobenzene-d4; Chlorobenzene-d5; Fluorobenzene; 1,2-Dichlorobenzene; |        |         | ✓       |           |

# Audit Trail report

| Name                     | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|--------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdUpdateQualifierRatios | BL2000\mchavez | 1/5/2022 10:35:32 AM | Update qualifier ratios for compound 1,4-Dichlorobenzene; Update qualifier ratios for compound 1,3-Dichlorobenzene; Update qualifier ratios for compound 4-Chlorotoluene; Update qualifier ratios for compound 2-Chlorotoluene; Update qualifier ratios for compound 1,2,3-Trichloropropane; Update qualifier ratios for compound Bromobenzene; Update qualifier ratios for compound 1,1,2,2-Tetrachloroethane; Update qualifier ratios for compound p-Bromofluorobenzene; Update qualifier ratios for compound Bromoform; Update qualifier ratios for compound Styrene; Update qualifier ratios for compound o-Xylene; Update qualifier ratios for compound m+p-Xylenes; Update qualifier ratios for compound Ethylbenzene; Update qualifier ratios for compound 1,1,1,2-Tetrachloroethane; Update qualifier ratios for compound Chlorobenzene; Update qualifier ratios for compound 1,2-Dibromoethane; Update qualifier ratios for compound Chlorodibromomethane; Update qualifier ratios for compound 1,3-Dichloropropane; Update qualifier ratios for compound Tetrachloroethene; Update qualifier ratios for compound 1,1,2-Trichloroethane; Update qualifier ratios for compound trans-1,3-Dichloropropene; Update qualifier ratios for compound Toluene; Update qualifier ratios for compound Toluene-d8; Update qualifier ratios for compound cis-1,3-Dichloropropene; Update qualifier ratios for compound Bromodichloromethane; Update qualifier ratios for compound Dibromomethane; Update qualifier ratios for compound 1,2-Dichloropropane; Update qualifier ratios for compound Trichloroethene; Update qualifier ratios for compound 1,2-Dichloroethane; Update qualifier ratios for compound Benzene; Update qualifier ratios for compound 1,2-Dichloroethane-d4; Update qualifier ratios for compound 1,1-Dichloropropene; Update qualifier ratios for compound Carbon tetrachloride; Update qualifier ratios for compound 1,1,1-Trichloroethane; Update qualifier ratios for compound Dibromofluoromethane; Update |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
|                                   |                |                      | qualifier ratios for compound Chloroform; Update qualifier ratios for compound Bromochloromethane; Update qualifier ratios for compound Methyl ethyl ketone; Update qualifier ratios for compound cis-1,2-Dichloroethene; Update qualifier ratios for compound 2,2-Dichloropropane; Update qualifier ratios for compound 1,1-Dichloroethane; Update qualifier ratios for compound Methyl tert-butyl ether (MTBE); Update qualifier ratios for compound trans-1,2-Dichloroethene; Update qualifier ratios for compound Methylene chloride; Update qualifier ratios for compound 1,1-Dichloroethene; Update qualifier ratios for compound Trichlorofluoromethane; Update qualifier ratios for compound Chloroethane; Update qualifier ratios for compound Bromomethane; Update qualifier ratios for compound Vinyl chloride; Update qualifier ratios for compound Chloromethane; Update qualifier ratios for compound Dichlorodifluoromethane; Update qualifier ratios for compound 1,4-Dichlorobenzene-d4; Update qualifier ratios for compound Chlorobenzene-d5; Update qualifier ratios for compound Fluorobenzene; Update qualifier ratios for compound 1,2-Dichlorobenzene; |        |         |         |           |
| CmdApplyMethodToAllSamples        | BL2000\mchavez | 1/5/2022 10:35:43 AM | Apply method to all samples  |        |         | ✓       |           |
| CmdMethodClear                    | BL2000\mchavez | 1/5/2022 10:35:43 AM | Clear method   |        |         | ✓       |           |
| CmdEndMethodEditing               | BL2000\mchavez | 1/5/2022 10:35:43 AM | End method editing   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/5/2022 10:36:02 AM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:37:04 AM | Manually integrate compound 2-Chlorotoluene in sample 04JAN10.D from x, y = 11.241, 0 to 11.353, 0; result = 1844  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:37:15 AM | Manually integrate compound Bromobenzene in sample 04JAN10.D from x, y = 11.049, 0 to 11.127, 0; result = 2024   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:37:18 AM | Manually integrate qualifier 158.0 of compound Bromobenzene in sample 04JAN10.D from x, y = 11.063, 0 to 11.152, 0; result = 1934  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:37:23 AM | Manually integrate compound 1,1,2,2-Tetrachloroethane in sample 04JAN10.D from x, y = 11.085, 0 to 11.188, 0; result = 1142                    |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:37:25 AM | Manually integrate qualifier 85.0 of compound 1,1,2,2-Tetrachloroethane in sample 04JAN10.D from x, y = 11.071, 0 to 11.147, 0; result = 834   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:37:35 AM | Manually integrate compound Bromoform in sample 04JAN10.D from x, y = 10.597, 0 to 10.686, 0; result = 708                                     |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:37:36 AM | Manually integrate qualifier 174.5 of compound Bromoform in sample 04JAN10.D from x, y = 10.594, 0 to 10.698, 0; result = 258                  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:37:38 AM | Manually integrate qualifier 170.5 of compound Bromoform in sample 04JAN10.D from x, y = 10.603, 0 to 10.672, 0; result = 339                  |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:37:45 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 1,1,2,2-Tetrachloroethane in sample 04JAN15.D; previous value = True |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:37:53 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 2-Chlorotoluene in sample 04JAN15.D; previous value = True           |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:37:55 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 4-Chlorotoluene in sample 04JAN15.D; previous value = True           |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:37:58 AM | Manually integrate qualifier 126.0 of compound 4-Chlorotoluene in sample 04JAN10.D from x, y = 11.367, 0 to 11.467, 0; result = 1839           |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:38:03 AM | Manually integrate qualifier 111.0 of compound 1,3-Dichlorobenzene in sample 04JAN10.D from x, y = 12.000, 0 to 12.061, 0; result = 1469       |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:38:05 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 1,3-Dichlorobenzene in sample 04JAN15.D; previous value = True       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:38:13 AM | Manually integrate qualifier 111.0 of compound 1,2-Dichlorobenzene in sample 04JAN10.D from x, y = 12.432, 0 to 12.538, 0; result = 1190       |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:38:15 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 1,2-Dichlorobenzene in sample 04JAN15.D; previous value = True       |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:38:19 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 1,4-Dichlorobenzene in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:38:25 AM | Manually integrate qualifier 148.0 of compound 1,2-Dichlorobenzene in sample 04JAN10.D from x, y = 12.468, 0 to 12.555, 0; result = 1894   |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:38:44 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound Styrene in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:38:48 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound o-Xylene in sample 04JAN15.D; previous value = True  |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:38:51 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound m+p-Xylenes in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:38:58 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound Ethylbenzene in sample 04JAN15.D; previous value = True  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:40:02 AM | Manually integrate qualifier 106.0 of compound Ethylbenzene in sample 04JAN10.D, from x, y = 9.883, 0 to 9.953, 0, result = 3266; previous integration is from x, y = 9.914, 0 to 9.953, 0 and previous response = 2097.                                       |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:40:07 AM | Manually integrate compound 1,1,1,2-Tetrachloroethane in sample 04JAN10.D from x, y = 9.853, 0 to 9.939, 0; result = 1893  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:40:11 AM | Manually integrate qualifier 133.0 of compound 1,1,1,2-Tetrachloroethane in sample 04JAN10.D from x, y = 9.841, 0 to 9.931, 0; result = 1911   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:40:23 AM | Manually integrate qualifier 114.0 of compound Chlorobenzene in sample 04JAN10.D from x, y = 9.783, 18 to 9.844, 0; result = 1827  |        |         | ✓       |           |
| CmdManuallyIntegrateDropBaseline  | BL2000\mchavez | 1/5/2022 10:40:24 AM | Drop baseline for qualifier 114.0 of compound Chlorobenzene in sample 04JAN10.D to y = 0, new integration is from x, y = 9.783, 0 to 9.844, 0 and new response = 1861; previous integration is from x, y = 9.783, 18 to 9.844, 0 and previous response = 1827. |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:41:20 AM | Set SampleApproved = True for sample 04JAN10.D; previous value = False   |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:41:35 AM | Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 04JAN11.D, from x, y = 1.487, 5730 to 1.520, 4652, result = 5622; previous integration is from x, y = 1.311, 0 to 1.679, 0 and previous response = 180129.                               |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:41:38 AM | Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 04JAN11.D, from x, y = 1.484, 5832 to 1.520, 4652, result = 5972; previous integration is from x, y = 1.487, 5730 to 1.520, 4652 and previous response = 5622.                           |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:41:51 AM | Manually integrate qualifier 63.0 of compound 1,1-Dichloroethene in sample 04JAN11.D, from x, y = 2.663, 0 to 2.736, 0, result = 5268; previous integration is from x, y = 2.697, 0 to 2.736, 0 and previous response = 3135.                                   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:41:59 AM | Manually integrate compound trans-1,2-Dichloroethene in sample 04JAN11.D, from x, y = 3.678, 0 to 3.765, 0, result = 9821; previous integration is from x, y = 3.678, 0 to 3.718, 0 and previous response = 5041.   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:42:05 AM | Manually integrate compound Methyl tert-butyl ether (MTBE) in sample 04JAN11.D, from x, y = 3.687, 0 to 3.823, 182, result = 11769; previous integration is from x, y = 3.737, 0 to 3.804, 0 and previous response = 10323.                                     |        |         | ✓       |           |
| CmdManuallyIntegrateDropBaseline  | BL2000\mchavez | 1/5/2022 10:42:08 AM | Drop baseline for compound Methyl tert-butyl ether (MTBE) in sample 04JAN11.D to y = 0, new integration is from x, y = 3.687, 0 to 3.823, 0 and new response = 12515; previous integration is from x, y = 3.687, 0 to 3.823, 182 and previous response = 11769. |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:42:12 AM | Manually integrate qualifier 57.0 of compound Methyl tert-butyl ether (MTBE) in sample 04JAN11.D, from x, y = 3.681, 0 to 3.821, 0, result = 3045; previous integration is from x, y = 3.709, 0 to 3.776, 0 and previous response = 2643.                       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:42:20 AM | Manually integrate qualifier 97.0 of compound 2,2-Dichloropropane in sample 04JAN11.D from x, y = 5.140, 0 to 5.240, 0; result = 3733   |        |         | ✓       |           |



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| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:42:32 AM | Manually integrate qualifier 191.5 of compound Dibromofluoromethane in sample 04JAN11.D from x, y = 5.809, 0 to 5.918, 0; result = 2020   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:42:45 AM | Manually integrate qualifier 110.0 of compound 1,1-Dichloropropene in sample 04JAN11.D, from x, y = 5.985, 0 to 6.077, 0, result = 5349; previous integration is from x, y = 6.035, 0 to 6.077, 0 and previous response = 3323. |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:42:59 AM | Manually integrate qualifier 98.0 of compound 1,2-Dichloroethane in sample 04JAN11.D from x, y = 6.275, 0 to 6.381, 0; result = 648   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:43:02 AM | Manually integrate qualifier 64.0 of compound 1,2-Dichloroethane in sample 04JAN11.D, from x, y = 6.266, 0 to 6.361, 0, result = 3587; previous integration is from x, y = 6.317, 0 to 6.361, 0 and previous response = 2405.   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:43:11 AM | Manually integrate qualifier 127.0 of compound Bromodichloromethane in sample 04JAN11.D from x, y = 7.549, 0 to 7.627, 0; result = 943  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:43:21 AM | Manually integrate compound 1,1,2-Trichloroethane in sample 04JAN11.D, from x, y = 8.768, 0 to 8.882, 0, result = 5090; previous integration is from x, y = 8.818, 0 to 8.851, 0 and previous response = 2437.                  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:44:13 AM | Manually integrate compound 1,2,3-Trichloropropane in sample 04JAN11.D from x, y = 11.099, 0 to 11.174, 0; result = 1654  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:44:16 AM | Manually integrate qualifier 112.0 of compound 1,2,3-Trichloropropane in sample 04JAN11.D from x, y = 11.096, 0 to 11.191, 0; result = 1059   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:44:25 AM | Set SampleApproved = True for sample 04JAN11.D; previous value = False  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 10:44:48 AM | Manually integrate compound 1,2,3-Trichloropropane in sample 04JAN12.D, from x, y = 11.099, 0 to 11.180, 0, result = 3200; previous integration is from x, y = 11.141, 0 to 11.180, 0 and previous response = 2198.             |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:45:22 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound Chlorodibromomethane in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |

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|------------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdSetLevelEnable                  | BL2000\mchavez | 1/5/2022 10:45:30 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound Tetrachloroethene in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetLevelEnable                  | BL2000\mchavez | 1/5/2022 10:45:37 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 1,1,2-Trichloroethane in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetLevelEnable                  | BL2000\mchavez | 1/5/2022 10:45:40 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound trans-1,3-Dichloropropene in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetLevelEnable                  | BL2000\mchavez | 1/5/2022 10:45:45 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound Toluene in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetLevelEnable                  | BL2000\mchavez | 1/5/2022 10:45:57 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound cis-1,3-Dichloropropene in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdManuallyIntegrate QualifierPeak | BL2000\mchavez | 1/5/2022 10:46:03 AM | Manually integrate qualifier 127.0 of compound Bromodichloromethane in sample 04JAN12.D from x, y = 7.541, 0 to 7.633, 0; result = 2111  |        |         | ✓       |           |
| CmdManuallyIntegrate QualifierPeak | BL2000\mchavez | 1/5/2022 10:46:15 AM | Manually integrate qualifier 98.0 of compound 1,2-Dichloroethane in sample 04JAN12.D from x, y = 6.278, 83 to 6.370, 0; result = 1440  |        |         | ✓       |           |
| CmdManuallyIntegrate DropBaseline  | BL2000\mchavez | 1/5/2022 10:46:16 AM | Drop baseline for qualifier 98.0 of compound 1,2-Dichloroethane in sample 04JAN12.D to y = 0, new integration is from x, y = 6.278, 0 to 6.370, 0 and new response = 1669; previous integration is from x, y = 6.278, 83 to 6.370, 0 and previous response = 1440. |        |         | ✓       |           |
| CmdManuallyIntegrate QualifierPeak | BL2000\mchavez | 1/5/2022 10:46:38 AM | Manually integrate qualifier 97.0 of compound 2,2-Dichloropropane in sample 04JAN12.D, from x, y = 5.143, 0 to 5.254, 0, result = 6975; previous integration is from x, y = 5.187, 0 to 5.229, 0 and previous response = 4210.                                     |        |         | ✓       |           |
| CmdManuallyIntegrate QualifierPeak | BL2000\mchavez | 1/5/2022 10:46:55 AM | Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 04JAN12.D, from x, y = 1.473, 6379 to 1.526, 4265, result = 8175; previous integration is from x, y = 1.305, 0 to 1.676, 0 and previous response = 154800.                                  |        |         | ✓       |           |

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|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:47:03 AM | Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 04JAN12.D, from x, y = 1.467, 4922 to 1.529, 3954, result = 11779; previous integration is from x, y = 1.473, 6379 to 1.526, 4265 and previous response = 8175. |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:47:11 AM | Set SampleApproved = True for sample 04JAN12.D; previous value = False   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 10:47:23 AM | Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 04JAN13.D, from x, y = 1.470, 5496 to 1.517, 5210, result = 15113; previous integration is from x, y = 1.308, 0 to 1.679, 0 and previous response = 148305.     |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:47:46 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound Chloroform in sample 04JAN15.D; previous value = True  |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:47:57 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 1,1-Dichloropropene in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:48:15 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound Trichloroethene in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/5/2022 10:48:21 AM | Set LevelEnable = False for calibration level 1, levelId = 20 of compound 1,2-Dichloropropane in sample 04JAN15.D; previous value = True   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:48:59 AM | Set SampleApproved = True for sample 04JAN13.D; previous value = False   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/5/2022 10:49:20 AM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:53:33 AM | Set SampleApproved = True for sample 04JAN17.D; previous value = False   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:53:45 AM | Set SampleApproved = True for sample 04JAN19.D; previous value = False   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:53:56 AM | Set SampleApproved = True for sample 04JAN21.D; previous value = False   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/5/2022 10:55:07 AM | Set SampleApproved = True for sample 04JAN23.D; previous value = False   |        |         | ✓       |           |

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|--------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdCalibrate | BL2000\mchavez | 1/5/2022 10:55:43 AM | Replace level QC with QC sample 04JAN23.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, o-Xylene};<br>Replace level 8 with Calibration sample 04JAN21.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl |        |         | ✓       |           |

# Audit Trail report

| Name | User | Time | Action   | Reason | Comment | Succeed | Exception |
|------|------|------|--|--------|---------|---------|-----------|
|      |      |      | ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, o-Xylene};<br>Replace level 7 with Calibration sample 04JAN19.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, o-Xylene};<br>Replace level 6 with Calibration sample 04JAN17.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, |        |         |         |           |

# Audit Trail report

| Name | User | Time | Action  | Reason | Comment | Succeed | Exception |
|------|------|------|---|--------|---------|---------|-----------|
|      |      |      | Bromodichloromethane,<br>Dibromomethane, 1,2-<br>Dichloropropane, Trichloroethene, 1,2-<br>Dichloroethane, Benzene, 1,2-<br>Dichloroethane-d4, 1,1-<br>Dichloropropene, Carbon tetrachloride,<br>Dibromofluoromethane, 1,1,1-<br>Trichloroethane, Chloroform,<br>Bromochloromethane, Methyl ethyl<br>ketone, cis-1,2-Dichloroethene, 2,2-<br>Dichloropropane, 1,1-Dichloroethane,<br>Methyl tert-butyl ether (MTBE), trans-<br>1,2-Dichloroethene, Methylene<br>chloride, 1,1-Dichloroethene,<br>Trichlorofluoromethane, Chloroethane,<br>Bromomethane, Vinyl chloride,<br>Chloromethane,<br>Dichlorodifluoromethane, o-Xylene};<br>Replace level 5 with Calibration sample<br>04JAN15.D for compounds {1,2-<br>Dichlorobenzene, 1,4-Dichlorobenzene,<br>1,3-Dichlorobenzene, 4-Chlorotoluene,<br>2-Chlorotoluene, 1,2,3-<br>Trichloropropane, 1,1,2,2-<br>Tetrachloroethane, Bromobenzene, p-<br>Bromofluorobenzene, Bromoform,<br>Styrene, m+p-Xylenes, Ethylbenzene,<br>1,1,1,2-Tetrachloroethane,<br>Chlorobenzene, 1,2-Dibromoethane,<br>Chlorodibromomethane, 1,3-<br>Dichloropropane, Tetrachloroethene,<br>1,1,2-Trichloroethane, trans-1,3-<br>Dichloropropene, Toluene, Toluene-d8,<br>cis-1,3-Dichloropropene,<br>Bromodichloromethane,<br>Dibromomethane, 1,2-<br>Dichloropropane, Trichloroethene, 1,2-<br>Dichloroethane, Benzene, 1,2-<br>Dichloroethane-d4, 1,1-<br>Dichloropropene, Carbon tetrachloride,<br>Dibromofluoromethane, 1,1,1-<br>Trichloroethane, Chloroform,<br>Bromochloromethane, Methyl ethyl<br>ketone, cis-1,2-Dichloroethene, 2,2-<br>Dichloropropane, 1,1-Dichloroethane,<br>Methyl tert-butyl ether (MTBE), trans-<br>1,2-Dichloroethene, Methylene<br>chloride, 1,1-Dichloroethene,<br>Trichlorofluoromethane, Chloroethane,<br>Bromomethane, Vinyl chloride,<br>Chloromethane,<br>Dichlorodifluoromethane, o-Xylene};<br>Replace level 4 with Calibration sample<br>04JAN13.D for compounds {1,2-<br>Dichlorobenzene, 1,4-Dichlorobenzene,<br>1,3-Dichlorobenzene, 4-Chlorotoluene,<br>2-Chlorotoluene, 1,2,3-<br>Trichloropropane, 1,1,2,2-<br>Tetrachloroethane, Bromobenzene, p- |        |         |         |           |

# Audit Trail report

| Name | User | Time | Action   | Reason | Comment | Succeed | Exception |
|------|------|------|--|--------|---------|---------|-----------|
|      |      |      | Bromofluorobenzene, Bromoform, Styrene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, o-Xylene};<br>Replace level 3 with Calibration sample 04JAN12.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, |        |         |         |           |

# Audit Trail report

| Name | User | Time | Action   | Reason | Comment | Succeed | Exception |
|------|------|------|--|--------|---------|---------|-----------|
|      |      |      | Chloromethane,<br>Dichlorodifluoromethane, o-Xylene};<br>Replace level 2 with Calibration sample<br>04JAN11.D for compounds {1,2-<br>Dichlorobenzene, 1,4-Dichlorobenzene,<br>1,3-Dichlorobenzene, 4-Chlorotoluene,<br>2-Chlorotoluene, 1,2,3-<br>Trichloropropane, 1,1,2,2-<br>Tetrachloroethane, Bromobenzene, p-<br>Bromofluorobenzene, Bromoform,<br>Styrene, m+p-Xylenes, Ethylbenzene,<br>1,1,1,2-Tetrachloroethane,<br>Chlorobenzene, 1,2-Dibromoethane,<br>Chlorodibromomethane, 1,3-<br>Dichloropropane, Tetrachloroethene,<br>1,1,2-Trichloroethane, trans-1,3-<br>Dichloropropene, Toluene, Toluene-d8,<br>cis-1,3-Dichloropropene,<br>Bromodichloromethane,<br>Dibromomethane, 1,2-<br>Dichloropropane, Trichloroethene, 1,2-<br>Dichloroethane, Benzene, 1,2-<br>Dichloroethane-d4, 1,1-<br>Dichloropropene, Carbon tetrachloride,<br>Dibromofluoromethane, 1,1,1-<br>Trichloroethane, Chloroform,<br>Bromochloromethane, Methyl ethyl<br>ketone, cis-1,2-Dichloroethene, 2,2-<br>Dichloropropane, 1,1-Dichloroethane,<br>Methyl tert-butyl ether (MTBE), trans-<br>1,2-Dichloroethene, Methylene<br>chloride, 1,1-Dichloroethene,<br>Trichlorofluoromethane, Chloroethane,<br>Bromomethane, Vinyl chloride,<br>Chloromethane,<br>Dichlorodifluoromethane, o-Xylene};<br>Replace level 1 with Calibration sample<br>04JAN10.D for compounds {1,2-<br>Dichlorobenzene, 1,4-Dichlorobenzene,<br>1,3-Dichlorobenzene, 4-Chlorotoluene,<br>2-Chlorotoluene, 1,2,3-<br>Trichloropropane, 1,1,2,2-<br>Tetrachloroethane, Bromobenzene, p-<br>Bromofluorobenzene, Bromoform,<br>Styrene, m+p-Xylenes, Ethylbenzene,<br>1,1,1,2-Tetrachloroethane,<br>Chlorobenzene, 1,2-Dibromoethane,<br>Chlorodibromomethane, 1,3-<br>Dichloropropane, Tetrachloroethene,<br>1,1,2-Trichloroethane, trans-1,3-<br>Dichloropropene, Toluene, Toluene-d8,<br>cis-1,3-Dichloropropene,<br>Bromodichloromethane,<br>Dibromomethane, 1,2-<br>Dichloropropane, Trichloroethene, 1,2-<br>Dichloroethane, Benzene, 1,2-<br>Dichloroethane-d4, 1,1-<br>Dichloropropene, Carbon tetrachloride,<br>Dibromofluoromethane, 1,1,1- |        |         |         |           |



# Audit Trail report

| Name                                | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-------------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
|                                     |                |                      | Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, o-Xylene}; |        |         |         |           |
| CmdQuantitate                       | BL2000\mchavez | 1/5/2022 10:55:58 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdManuallyIntegratePeak            | BL2000\mchavez | 1/5/2022 11:01:11 AM | Manually integrate compound Methylene chloride in sample 04JAN09.D from x, y = 3.296, 0 to 3.383, 0; result = 1661  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak   | BL2000\mchavez | 1/5/2022 11:01:17 AM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 04JAN09.D from x, y = 3.299, 0 to 3.369, 0; result = 1075   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak   | BL2000\mchavez | 1/5/2022 11:01:19 AM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 04JAN09.D from x, y = 3.294, 0 to 3.413, 0; result = 694  |        |         | ✓       |           |
| CmdManuallyIntegratePeak            | BL2000\mchavez | 1/5/2022 11:02:10 AM | Manually integrate compound Vinyl chloride in sample 04JAN09.D from x, y = 1.467, 0 to 1.520, 0; result = 73  |        |         | ✓       |           |
| CmdStartMethodEditing               | BL2000\mchavez | 1/5/2022 11:02:39 AM | Start method editing  |        |         | ✓       |           |
| CmdImportMethodFromSample           | BL2000\mchavez | 1/5/2022 11:02:39 AM | Import method from sample 04JAN09.D   |        |         | ✓       |           |
| CmdSetMethodTargetCompoundAttribute | BL2000\mchavez | 1/5/2022 11:03:13 AM | Set CurveFit = fitAverageOfResponseFactors for compound Bromomethane; previous value = fitQuadratic   |        |         | ✓       |           |
| CmdSetMethodTargetCompoundAttribute | BL2000\mchavez | 1/5/2022 11:03:16 AM | Set CurveFitWeight = weightEqual for compound Bromomethane; previous value = weightOneOverX   |        |         | ✓       |           |
| CmdApplyMethodToAllSamples          | BL2000\mchavez | 1/5/2022 11:03:28 AM | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear                      | BL2000\mchavez | 1/5/2022 11:03:28 AM | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing                 | BL2000\mchavez | 1/5/2022 11:03:29 AM | End method editing  |        |         | ✓       |           |
| CmdQuantitate                       | BL2000\mchavez | 1/5/2022 11:03:49 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdManuallyIntegratePeak            | BL2000\mchavez | 1/5/2022 11:05:06 AM | Manually integrate compound Chloroethane in sample 04JAN12.D, from x, y = 1.863, 1400 to 1.922, 1881, result = 14646; previous integration is from x, y = 1.863, 1400 to 1.958, 1400 and previous response = 16843.   |        |         | ✓       |           |

# Audit Trail report

| Name                     | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|--------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegratePeak | BL2000\mchavez | 1/5/2022 11:05:19 AM | Manually integrate compound Chloroethane in sample 04JAN11.D, from x, y = 1.869, 1143 to 1.930, 1702, result = 8052; previous integration is from x, y = 1.869, 1143 to 1.941, 1143 and previous response = 9540. |        |         | ✓       |           |

# Audit Trail report

| Name         | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|--------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdCalibrate | BL2000\mchavez | 1/5/2022 11:05:53 AM | Replace level QC with QC sample 04JAN23.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; Replace level 8 with Calibration sample 04JAN21.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1- |        |         | ✓       |           |

# Audit Trail report

| Name | User | Time | Action  | Reason | Comment | Succeed | Exception |
|------|------|------|---|--------|---------|---------|-----------|
|      |      |      | Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; Replace level 7 with Calibration sample 04JAN19.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; Replace level 6 with Calibration sample 04JAN17.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3- |        |         |         |           |

# Audit Trail report

| Name | User | Time | Action   | Reason | Comment | Succeed | Exception |
|------|------|------|--|--------|---------|---------|-----------|
|      |      |      | Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; Replace level 5 with Calibration sample 04JAN15.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; Replace level 4 with Calibration sample 04JAN13.D for |        |         |         |           |

# Audit Trail report

| Name | User | Time | Action  | Reason | Comment | Succeed | Exception |
|------|------|------|---|--------|---------|---------|-----------|
|      |      |      | compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; Replace level 3 with Calibration sample 04JAN12.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl |        |         |         |           |

# Audit Trail report

| Name | User | Time | Action   | Reason | Comment | Succeed | Exception |
|------|------|------|--|--------|---------|---------|-----------|
|      |      |      | ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; Replace level 2 with Calibration sample 04JAN11.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; Replace level 1 with Calibration sample 04JAN10.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3- |        |         |         |           |

# Audit Trail report

| Name              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-------------------|----------------|----------------------|---|--------|---------|---------|-----------|
|                   |                |                      | Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroethane}; |        |         |         |           |
| CmdQuantitate     | BL2000\mchavez | 1/5/2022 11:06:12 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/5/2022 11:07:28 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable | BL2000\mchavez | 1/5/2022 11:07:47 AM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable | BL2000\mchavez | 1/9/2022 8:45:32 PM  | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:47:42 PM  | Set LevelEnable = True for calibration level 1, levelId = 30 of compound o-Xylene in sample 04JAN09.D; previous value = False   |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:48:01 PM  | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:48:47 PM  | Set LevelEnable = True for calibration level 1, levelId = 30 of compound m+p-Xylenes in sample 04JAN09.D; previous value = False  |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:49:03 PM  | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:49:35 PM  | Set LevelEnable = True for calibration level 1, levelId = 30 of compound Ethylbenzene in sample 04JAN09.D; previous value = False   |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:49:50 PM  | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:50:18 PM  | Set LevelEnable = True for calibration level 1, levelId = 30 of compound Styrene in sample 04JAN09.D; previous value = False  |        |         | ✓       |           |



# Audit Trail report

| Name              | User           | Time                | Action   | Reason | Comment | Succeed | Exception |
|-------------------|----------------|---------------------|--|--------|---------|---------|-----------|
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:50:35 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:50:51 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound Tetrachloroethene in sample 04JAN09.D; previous value = False         |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:51:06 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:51:27 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound Toluene in sample 04JAN09.D; previous value = False                   |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:51:42 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:52:26 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound trans-1,3-Dichloropropene in sample 04JAN09.D; previous value = False |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:52:42 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:52:55 PM | Set LevelEnable = False for calibration level 1, levelId = 30 of compound trans-1,3-Dichloropropene in sample 04JAN09.D; previous value = True |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:53:25 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound Benzene in sample 04JAN09.D; previous value = False                   |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:53:41 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:54:07 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound Chloroform in sample 04JAN09.D; previous value = False                |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:54:23 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:54:39 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound 1,3-Dichlorobenzene in sample 04JAN09.D; previous value = False       |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:54:49 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound 1,4-Dichlorobenzene in sample 04JAN09.D; previous value = False       |        |         | ✓       |           |
| CmdSetLevelEnable | BL2000\mchavez | 1/9/2022 8:54:54 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound 1,2-Dichlorobenzene in sample 04JAN09.D; previous value = False       |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 1/9/2022 8:55:10 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |

# Audit Trail report

| Name                         | User           | Time                | Action  | Reason | Comment | Succeed | Exception |
|------------------------------|----------------|---------------------|---|--------|---------|---------|-----------|
| CmdSetLevelEnable            | BL2000\mchavez | 1/9/2022 8:56:06 PM | Set LevelEnable = True for calibration level 1, levelId = 30 of compound 1,2-Dichloroethane in sample 04JAN09.D; previous value = False |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/9/2022 8:56:22 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/9/2022 8:56:50 PM | Add samples from worklist: D:\Org\Data\VOA5975C\VG010422\04JAN15CC.D  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/9/2022 8:57:23 PM | Set SampleType = Calibration for sample 04JAN15CC.D; previous value = Sample  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/9/2022 8:57:29 PM | Set LevelName = 5 for sample 04JAN15CC.D; previous value =  |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/9/2022 8:57:56 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/9/2022 8:58:36 PM | Set SampleType = CC for sample 04JAN15CC.D; previous value = Calibration  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/9/2022 8:58:43 PM | Set LevelName = CC for sample 04JAN15CC.D; previous value = 5   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/9/2022 8:59:05 PM | Set UserDefined = Reimported midpoint as CC for sample 04JAN15CC.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/9/2022 8:59:31 PM | Set SampleName = CC010422 for sample 04JAN15CC.D; previous value = ICAL010422_5   |        |         | ✓       |           |

# Audit Trail report

| Name                       | User           | Time                | Action  | Reason | Comment | Succeed | Exception |
|----------------------------|----------------|---------------------|---|--------|---------|---------|-----------|
| CmdCalibrate               | BL2000\mchavez | 1/9/2022 8:59:53 PM | Replace level CC with CC sample 04JAN15CC.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichloroethane}; |        |         | ✓       |           |
| CmdQuantitate              | BL2000\mchavez | 1/9/2022 9:00:09 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdStartMethodEditing      | BL2000\mchavez | 1/9/2022 9:00:22 PM | Start method editing  |        |         | ✓       |           |
| CmdImportMethodFrom Sample | BL2000\mchavez | 1/9/2022 9:00:22 PM | Import method from sample 04JAN23.D   |        |         | ✓       |           |
| CmdSaveMethodAs            | BL2000\mchavez | 1/9/2022 9:00:57 PM | Save method to file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_010422_CAL.m  |        |         | ✓       |           |
| CmdSaveMethodAs            | BL2000\mchavez | 1/9/2022 9:02:42 PM | Save method to file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_010422_CAL\VOA5975C_8260B_SHT_DoD_L4_010422.m   |        |         | ✓       |           |
| CmdMethodClear             | BL2000\mchavez | 1/9/2022 9:02:55 PM | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing        | BL2000\mchavez | 1/9/2022 9:02:56 PM | End method editing  |        |         | ✓       |           |
| CmdStartMethodEditing      | BL2000\mchavez | 1/9/2022 9:03:07 PM | Start method editing  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdImportMethodFromFile           | BL2000\mchavez | 1/9/2022 9:03:07 PM  | Import method from file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_010422_CAL\VOA5975C_8260B_SHT_DoD_L4_010422.m |        |         | ✓       |           |
| CmdApplyMethodToAllSamples        | BL2000\mchavez | 1/9/2022 9:03:19 PM  | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear                    | BL2000\mchavez | 1/9/2022 9:03:19 PM  | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing               | BL2000\mchavez | 1/9/2022 9:03:20 PM  | End method editing  |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/9/2022 9:03:36 PM  | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/9/2022 9:04:21 PM  | Save batch D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdOpenBatchTable                 | BL2000\mchavez | 1/10/2022 2:13:24 PM | Open batch D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 2:13:38 PM | Set SampleApproved = True for sample 04JAN08.D; previous value = False  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 2:14:50 PM | Zero out primary peak of compound Chloromethane in sample 04JAN09.D   |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 2:14:56 PM | Zero out primary peak of compound Vinyl chloride in sample 04JAN09.D  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 2:15:19 PM | Manually integrate compound Benzene in sample 04JAN09.D from x, y = 6.250, 0 to 6.311, 0; result = 381                      |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 2:15:21 PM | Manually integrate qualifier 77.0 of compound Benzene in sample 04JAN09.D from x, y = 6.258, 0 to 6.308, 0; result = 86     |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 2:16:46 PM | Set SampleApproved = True for sample 04JAN09.D; previous value = False  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:17:02 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 04JAN09.D; previous value =                               |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:17:09 PM | Set UserAnnotation = NI for compound Benzene in sample 04JAN09.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:18:45 PM | Set UserAnnotation = NI for compound Tetrachloroethene in sample 04JAN10.D; previous value =                                |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:18:48 PM | Set UserAnnotation = NI for compound Chlorodibromomethane in sample 04JAN10.D; previous value =                             |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:18:53 PM | Set UserAnnotation = NI for compound 1,2-Dibromoethane in sample 04JAN10.D; previous value =                                |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:18:58 PM | Set UserAnnotation = NI for compound 1,1,1,2-Tetrachloroethane in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:19:02 PM | Set UserAnnotation = NI for compound Bromoform in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:19:08 PM | Set UserAnnotation = NI for compound 1,1,2,2-Tetrachloroethane in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:19:13 PM | Set UserAnnotation = NI for compound Bromobenzene in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:19:30 PM | Set UserAnnotation = NI for compound 2-Chlorotoluene in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:20:15 PM | Set UserAnnotation = GT for compound Chloroethane in sample 04JAN11.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:20:34 PM | Set UserAnnotation = LT for compound trans-1,2-Dichloroethene in sample 04JAN11.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:25:39 PM | Set UserAnnotation = LT for compound Methyl tert-butyl ether (MTBE) in sample 04JAN11.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:26:14 PM | Set UserAnnotation = LT for compound 1,1,2-Trichloroethane in sample 04JAN11.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:26:26 PM | Set UserAnnotation = NI for compound 1,2,3-Trichloropropane in sample 04JAN11.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:26:46 PM | Set UserAnnotation = LT for compound 1,2,3-Trichloropropane in sample 04JAN12.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 2:26:59 PM | Set UserAnnotation = GT for compound Chloroethane in sample 04JAN12.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 3:00:42 PM | Manually integrate qualifier 148.0 of compound 1,4-Dichlorobenzene in sample 04JAN10.D, from x, y = 12.109, 0 to 12.145, 0, result = 2520; previous integration is from x, y = 12.084, 0 to 12.145, 0 and previous response = 3603. |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 3:00:52 PM | Manually integrate qualifier 111.0 of compound 1,4-Dichlorobenzene in sample 04JAN10.D, from x, y = 12.123, 0 to 12.148, 0, result = 1067; previous integration is from x, y = 12.075, 0 to 12.123, 0 and previous response = 3515. |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 3:01:20 PM | Manually integrate qualifier 91.0 of compound o-Xylene in sample 04JAN10.D, from x, y = 10.405, 0 to 10.483, 0, result = 6062; previous integration is from x, y = 10.405, 0 to 10.466, 0 and previous response = 6034. |        |         | ✓       |           |
| CmdClearManualIntegration         | BL2000\mchavez | 1/10/2022 3:01:29 PM | Clear manual integration of qualifier 91.0 for compound o-Xylene in sample 04JAN10.D  |        |         | ✓       |           |
| CmdSetLevelEnable                 | BL2000\mchavez | 1/10/2022 3:07:00 PM | Set LevelEnable = False for calibration level 1, levelId = 30 of compound o-Xylene in sample 04JAN23.D; previous value = True   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/10/2022 3:07:39 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/10/2022 3:12:09 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable                 | BL2000\mchavez | 1/11/2022 8:47:03 AM | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdStartMethodEditing             | BL2000\mchavez | 1/11/2022 8:47:16 AM | Start method editing  |        |         | ✓       |           |
| CmdImportMethodFromSample         | BL2000\mchavez | 1/11/2022 8:47:16 AM | Import method from sample 04JAN01.D   |        |         | ✓       |           |
| CmdSaveMethodAs                   | BL2000\mchavez | 1/11/2022 8:47:26 AM | Save method to file<br>\\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_010422_CAL\VOA5975C_8260B_SHT_DoD_L4_010422.m  |        |         | ✓       |           |
| CmdApplyMethodToAllSamples        | BL2000\mchavez | 1/11/2022 8:48:57 AM | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear                    | BL2000\mchavez | 1/11/2022 8:48:57 AM | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing               | BL2000\mchavez | 1/11/2022 8:48:58 AM | End method editing  |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/11/2022 8:49:22 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/11/2022 8:54:59 AM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable                 | BL2000\mchavez | 2/28/2022 1:48:49 PM | Open batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 2/28/2022 1:49:23 PM | Set UserAnnotation = NI for compound Bromomethane in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 2/28/2022 1:49:29 PM | Set UserAnnotation = GT for compound Chloroethane in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 2/28/2022 1:49:34 PM | Set UserAnnotation = NI for compound 1,1-Dichloroethene in sample 04JAN10.D; previous value =   |        |         | ✓       |           |

# Audit Trail report

| Name                          | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:49:38 PM | Set UserAnnotation = NI for compound trans-1,2-Dichloroethene in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:49:43 PM | Set UserAnnotation = NI for compound Methyl tert-butyl ether (MTBE) in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:49:46 PM | Set UserAnnotation = NI for compound 2,2-Dichloropropane in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:49:51 PM | Set UserAnnotation = NI for compound cis-1,2-Dichloroethene in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:49:55 PM | Set UserAnnotation = NI for compound Bromochloromethane in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:49:59 PM | Set UserAnnotation = NI for compound Dibromofluoromethane in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:50:03 PM | Set UserAnnotation = NI for compound 1,2-Dichloroethane-d4 in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:50:06 PM | Set UserAnnotation = NI for compound 1,2-Dichloroethane in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:50:10 PM | Set UserAnnotation = NI for compound Trichloroethene in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:50:14 PM | Set UserAnnotation = NI for compound Dibromomethane in sample 04JAN10.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:50:19 PM | Set UserAnnotation = NI for compound trans-1,3-Dichloropropene in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 1:50:23 PM | Set UserAnnotation = NI for compound 1,1,2-Trichloroethane in sample 04JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSaveBatchTable             | BL2000\mchavez | 2/28/2022 1:54:50 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin   |        |         | ✓       |           |
| GenerateReport                | BL2000\mchavez | 2/28/2022 1:56:23 PM | Generates report - Method:<br>\\MASSHUNTER\Org\reports\LevelIV_Reports\Calibration\01_Init_Cal+Gen_Calibration+Gen_ResultsSummary.m,<br>Output Path:<br>D:\Org\Data\VOA5975C\VG010422\QuantReports\VG010422_8260B |        |         | ✓       |           |
| CmdStartMethodEditing         | BL2000\mchavez | 2/28/2022 1:57:20 PM | Start method editing  |        |         | ✓       |           |

# Audit Trail report

| Name                       | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|----------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdImportMethodFromFile    | BL2000\mchavez | 2/28/2022 1:57:21 PM | Import method from file<br>\\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_010422_CAL\VOA5975C_8260B_SHT_DoD_L4_010422.m  |        |         | ✓       |           |
| CmdApplyMethodToAllSamples | BL2000\mchavez | 2/28/2022 1:57:33 PM | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear             | BL2000\mchavez | 2/28/2022 1:57:33 PM | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing        | BL2000\mchavez | 2/28/2022 1:57:33 PM | End method editing  |        |         | ✓       |           |
| CmdQuantitate              | BL2000\mchavez | 2/28/2022 1:57:54 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable          | BL2000\mchavez | 2/28/2022 1:59:46 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010422\QuantResults\VG010422_8260B.batch.bin   |        |         | ✓       |           |
| GenerateReport             | BL2000\mchavez | 2/28/2022 2:00:55 PM | Generates report - Method:<br>\\MASSHUNTER\Org\reports\LevelIV_Reports\Calibration\01_Init_Cal+Gen_Calibration+Gen_ResultsSummary.m,<br>Output Path:<br>D:\Org\Data\VOA5975C\VG010422\QuantReports\VG010422_8260B-1 |        |         | ✓       |           |



# Energy Laboratories Inc

# ANALYTICAL RUN Summary

28-Feb-22

Run ID VOA5975C.I\_220105A

|                                 |
|---------------------------------|
| <b>Run Start Date:</b> 1/5/2022 |
| <b>Analyst:</b> Melissa Chavez  |
| <b>Ical:</b>                    |
| <b>Column ID:</b>               |
| <b>Comments:</b>                |

| Std ID    | Std Name                                  | Std Amount | Std Units | Samp Amount | Samp Units | SampType   | Expiration Date |
|-----------|---|------------|-----------|-------------|------------|------------|-----------------|
| VOCF3517  | Internal Standard / Surrogates (INT/SURR) | 8.4        | ul        | 42          | ml         | ALL (TUNE  | 12/31/2022      |
| VOCF3529B | 2nd Source MtBE                           | 1.05       | ul        | 42          | ml         | LCS, MS, M | 1/29/2022       |
| VOCF3546A | Liquids                                   | 1.05       | ul        | 42          | ml         | CCV        | 1/13/2022       |
| VOCF3549  | 2nd Source Ketones                        | 1.05       | ul        | 42          | ml         | LCS, MS, M | 1/15/2022       |
| VOCF3550  | Ketones                                   | 1.05       | ul        | 42          | ml         | CCV        | 1/16/2022       |
| VOCF3558B | 2nd Source Liquids                        | 1.05       | ul        | 42          | ml         | LCS, MS, M | 2/27/2022       |
| VOCF3559A | MtBE                                      | 1.05       | ul        | 42          | ml         | CCV        | 1/27/2022       |
| VOCF3562A | Gases                                     | 1.05       | ul        | 42          | ml         | CCV        | 1/10/2022       |
| VOCF3566A | 2nd Source Gases                          | 1.05       | ul        | 42          | ml         | LCS, MS, M | 1/11/2022       |

| Seq No             | Lab ID       | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |       |      |   |
|--------------------|--------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|-------|------|---|
| 14971523           | 05JAN02_D_TU | VOC-8260-BFB | TUNE       | DA5975C\VG010 | 1/5/2022 9:49:00 | 1     | R372966  |           | 0      | 0      |        |      |     |       |      |   |
| Analyte            | T            | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH  | %RPD | Q |
| 173, % of mass 174 | A            | %            | 1.6        | 1.6           |                  | 100   | 0        | 0         | 0      | 0      | 0      | 2%   | 0   | 2     | 0%   |   |
| 174, % of mass 95  | A            | %            | 92         | 92            |                  | 100   | 0        | 0         | 0      | 0      | 0      | 92%  | 50  | 99.99 | 0%   |   |
| 175, % of mass 174 | A            | %            | 7.2        | 7.2           |                  | 100   | 0        | 0         | 0      | 0      | 0      | 7%   | 5   | 9     | 0%   |   |
| 176, % of mass 174 | A            | %            | 96.9       | 96.9          |                  | 100   | 0        | 0         | 0      | 0      | 0      | 97%  | 95  | 101   | 0%   |   |
| 177, % of mass 176 | A            | %            | 7.1        | 7.1           |                  | 100   | 0        | 0         | 0      | 0      | 0      | 7%   | 5   | 9     | 0%   |   |
| 50, % of mass 95   | A            | %            | 20.8       | 20.8          |                  | 100   | 0        | 0         | 0      | 0      | 0      | 21%  | 15  | 40    | 0%   |   |
| 75, % of mass 95   | A            | %            | 48.4       | 48.4          |                  | 100   | 0        | 0         | 0      | 0      | 0      | 48%  | 30  | 60    | 0%   |   |
| 95, Base Peak      | A            | %            | 100        | 100           |                  | 100   | 0        | 0         | 0      | 0      | 0      | 100% | 0   | 100   | 0%   |   |
| 96, % of mass 95   | A            | %            | 6.4        | 6.4           |                  | 100   | 0        | 0         | 0      | 0      | 0      | 6%   | 5   | 9     | 0%   |   |

| Seq No                    | Lab ID     | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971524                  | CCV010522_ | VOC-8260-W-Q | CCV        | DA5975CVVG010:1/5/2022 | 10:28:4       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T          | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A          | ug/L         | 133.50715  | 5.340286               |               | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 107% | 80  | 120  | 0%   |   |
| 1,1,1-Trichloroethane     | A          | ug/L         | 129.2681   | 5.170724               |               | 5     | 0        | 0         | 0.131  | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A          | ug/L         | 140.25396  | 5.6101584              |               | 5     | 0        | 0         | 0.0872 | 0.5    | 500    | 112% | 80  | 120  | 0%   |   |
| 1,1,2-Trichloroethane     | A          | ug/L         | 139.08201  | 5.5632804              |               | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 111% | 80  | 120  | 0%   |   |
| 1,1-Dichloroethane        | A          | ug/L         | 137.31142  | 5.4924568              |               | 5     | 0        | 0         | 0.135  | 0.5    | 500    | 110% | 80  | 120  | 0%   |   |
| 1,1-Dichloroethene        | A          | ug/L         | 129.17613  | 5.1670452              |               | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| 1,1-Dichloropropene       | A          | ug/L         | 130.63845  | 5.225538               |               | 5     | 0        | 0         | 0.083  | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| 1,2,3-Trichloropropane    | A          | ug/L         | 141.95667  | 5.6782668              |               | 5     | 0        | 0         | 0.235  | 0.5    | 500    | 114% | 80  | 120  | 0%   |   |
| 1,2-Dibromoethane         | A          | ug/L         | 136.93185  | 5.477274               |               | 5     | 0        | 0         | 0.0916 | 0.5    | 500    | 110% | 80  | 120  | 0%   |   |
| 1,2-Dichlorobenzene       | A          | ug/L         | 128.75548  | 5.1502192              |               | 5     | 0        | 0         | 0.0746 | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| 1,2-Dichloroethane        | A          | ug/L         | 135.03684  | 5.4014736              |               | 5     | 0        | 0         | 0.116  | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| 1,2-Dichloropropane       | A          | ug/L         | 136.29508  | 5.4518032              |               | 5     | 0        | 0         | 0.0847 | 0.5    | 500    | 109% | 80  | 120  | 0%   |   |
| 1,3-Dichlorobenzene       | A          | ug/L         | 129.89302  | 5.1957208              |               | 5     | 0        | 0         | 0.0803 | 0.5    | 500    | 104% | 80  | 120  | 0%   |   |
| 1,3-Dichloropropane       | A          | ug/L         | 140.48351  | 5.6193404              |               | 5     | 0        | 0         | 0.0791 | 0.5    | 500    | 112% | 80  | 120  | 0%   |   |
| 1,4-Dichlorobenzene       | A          | ug/L         | 131.37325  | 5.25493                |               | 5     | 0        | 0         | 0.0858 | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| 2,2-Dichloropropane       | A          | ug/L         | 133.6522   | 5.346088               |               | 5     | 0        | 0         | 0.186  | 0.5    | 500    | 107% | 80  | 120  | 0%   |   |
| 2-Chlorotoluene           | A          | ug/L         | 132.18454  | 5.2873816              |               | 5     | 0        | 0         | 0.0876 | 0.5    | 500    | 106% | 80  | 120  | 0%   |   |
| 4-Chlorotoluene           | A          | ug/L         | 136.46816  | 5.4587264              |               | 5     | 0        | 0         | 0.0728 | 0.5    | 500    | 109% | 80  | 120  | 0%   |   |
| Benzene                   | A          | ug/L         | 135.33085  | 5.413234               |               | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| Bromobenzene              | A          | ug/L         | 134.77223  | 5.3908892              |               | 5     | 0        | 0         | 0.0831 | 0.5    | 500    | 108% | 80  | 120  | 0%   |   |
| Bromochloromethane        | A          | ug/L         | 140.79267  | 5.6317068              |               | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 113% | 80  | 120  | 0%   |   |
| Bromodichloromethane      | A          | ug/L         | 134.29565  | 5.371826               |               | 5     | 0        | 0         | 0.12   | 0.5    | 500    | 107% | 80  | 120  | 0%   |   |
| Bromoform                 | A          | ug/L         | 140.26683  | 5.6106732              |               | 5     | 0        | 0         | 0.119  | 0.5    | 500    | 112% | 80  | 120  | 0%   |   |
| Bromomethane              | A          | ug/L         | 130.74018  | 5.2296072              |               | 5     | 0        | 0         | 0.253  | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| Carbon tetrachloride      | A          | ug/L         | 128.23107  | 5.1292428              |               | 5     | 0        | 0         | 0.143  | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| Chlorobenzene             | A          | ug/L         | 132.67301  | 5.3069204              |               | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 106% | 80  | 120  | 0%   |   |
| Chlorodibromomethane      | A          | ug/L         | 139.12487  | 5.5649948              |               | 5     | 0        | 0         | 0.0841 | 0.5    | 500    | 111% | 80  | 120  | 0%   |   |
| Chloroethane              | A          | ug/L         | 121.24857  | 4.8499428              |               | 5     | 0        | 0         | 0.169  | 0.5    | 500    | 97%  | 80  | 120  | 0%   |   |
| Chloroform                | A          | ug/L         | 128.66267  | 5.1465068              |               | 5     | 0        | 0         | 0.0789 | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| Chloromethane             | A          | ug/L         | 121.36946  | 4.8547784              |               | 5     | 0        | 0         | 0.162  | 0.5    | 500    | 97%  | 80  | 120  | 0%   |   |
| cis-1,2-Dichloroethene    | A          | ug/L         | 137.38746  | 5.4954984              |               | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 110% | 80  | 120  | 0%   |   |
| cis-1,3-Dichloropropene   | A          | ug/L         | 131.91959  | 5.2767836              |               | 5     | 0        | 0         | 0.073  | 0.5    | 500    | 106% | 80  | 120  | 0%   |   |
| Dibromomethane            | A          | ug/L         | 136.15206  | 5.4460824              |               | 5     | 0        | 0         | 0.147  | 0.5    | 500    | 109% | 80  | 120  | 0%   |   |
| Dichlorodifluoromethane   | A          | ug/L         | 121.63771  | 4.8655084              |               | 5     | 0        | 0         | 0.175  | 0.5    | 500    | 97%  | 80  | 120  | 0%   |   |
| Ethylbenzene              | A          | ug/L         | 132.4334   | 5.297336               |               | 5     | 0        | 0         | 0.0836 | 0.5    | 500    | 106% | 80  | 120  | 0%   |   |

| Seq No                         | Lab ID     | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971524                       | CCV010522_ | VOC-8260-W-Q | CCV        | DA5975C\VG010:1/5/2022 | 10:28:4       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T          | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A          | ug/L         | 268.36958  | 10.7347832             |               | 10    | 0        | 0         | 0.15   | 0.5    | 1000   | 107% | 80  | 120  | 0%   |   |
| Methyl ethyl ketone            | A          | ug/L         | 1283.79984 | 51.3519936             |               | 50    | 0        | 0         | 1.77   | 10     | 5000   | 103% | 80  | 120  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A          | ug/L         | 129.87058  | 5.1948232              |               | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 104% | 80  | 120  | 0%   |   |
| Methylene chloride             | A          | ug/L         | 126.69785  | 5.067914               |               | 5     | 0        | 0         | 0.338  | 0.5    | 500    | 101% | 80  | 120  | 0%   |   |
| o-Xylene                       | A          | ug/L         | 133.90371  | 5.3561484              |               | 5     | 0        | 0         | 0.0604 | 0.5    | 500    | 107% | 80  | 120  | 0%   |   |
| Styrene                        | A          | ug/L         | 140.5011   | 5.620044               |               | 5     | 0        | 0         | 0.067  | 0.5    | 500    | 112% | 80  | 120  | 0%   |   |
| Tetrachloroethene              | A          | ug/L         | 129.30964  | 5.1723856              |               | 5     | 0        | 0         | 0.0671 | 0.5    | 500    | 103% | 80  | 120  | 0%   |   |
| Toluene                        | A          | ug/L         | 136.47421  | 5.4589684              |               | 5     | 0        | 0         | 0.0679 | 0.5    | 500    | 109% | 80  | 120  | 0%   |   |
| trans-1,2-Dichloroethene       | A          | ug/L         | 132.27222  | 5.2908888              |               | 5     | 0        | 0         | 0.125  | 0.5    | 500    | 106% | 80  | 120  | 0%   |   |
| trans-1,3-Dichloropropene      | A          | ug/L         | 145.66628  | 5.8266512              |               | 5     | 0        | 0         | 0.0846 | 0.5    | 500    | 117% | 80  | 120  | 0%   |   |
| Trichloroethene                | A          | ug/L         | 131.52849  | 5.2611396              |               | 5     | 0        | 0         | 0.0993 | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| Trichlorofluoromethane         | A          | ug/L         | 124.38242  | 4.9752968              |               | 5     | 0        | 0         | 0.134  | 0.5    | 500    | 100% | 80  | 120  | 0%   |   |
| Vinyl chloride                 | A          | ug/L         | 124.08337  | 4.9633348              |               | 5     | 0        | 0         | 0.153  | 0.5    | 500    | 99%  | 80  | 120  | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I          | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I          | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I          | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M          | ug/L         | 402.27329  | 16.0909316             |               | 15    | 0        | 0         | 0.0604 | 0.5    | 1500   | 107% | 80  | 120  | 0%   |   |
| 1,2-Dichloroethane-d4          | S          | ug/L         | 290.732    | 11.62928               |               | 10    | 0        | 0         | 0.229  | 0.5    | 500    | 116% | 80  | 120  | 0%   |   |
| Dibromofluoromethane           | S          | ug/L         | 281.66353  | 11.2665412             |               | 10    | 0        | 0         | 0.129  | 0.5    | 500    | 113% | 80  | 120  | 0%   |   |
| p-Bromofluorobenzene           | S          | ug/L         | 266.74216  | 10.6696864             |               | 10    | 0        | 0         | 0.149  | 0.5    | 500    | 107% | 80  | 120  | 0%   |   |
| Toluene-d8                     | S          | ug/L         | 277.8286   | 11.113144              |               | 10    | 0        | 0         | 0.23   | 0.5    | 500    | 111% | 80  | 120  | 0%   |   |

| Seq No                    | Lab ID     | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971525                  | LCS010522_ | VOC-8260-W-Q | LCS-DOD    | DA5975C\VG010:1/5/2022 | 11:27:3       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T          | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A          | ug/L         | 127.23054  | 5.0892216              |               | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 102% | 78  | 124  | 0%   |   |
| 1,1,1-Trichloroethane     | A          | ug/L         | 126.12815  | 5.045126               |               | 5     | 0        | 0         | 0.131  | 0.5    | 500    | 101% | 74  | 131  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A          | ug/L         | 133.32389  | 5.3329556              |               | 5     | 0        | 0         | 0.0872 | 0.5    | 500    | 107% | 71  | 121  | 0%   |   |
| 1,1,2-Trichloroethane     | A          | ug/L         | 132.3073   | 5.292292               |               | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 106% | 80  | 119  | 0%   |   |
| 1,1-Dichloroethane        | A          | ug/L         | 139.1372   | 5.565488               |               | 5     | 0        | 0         | 0.135  | 0.5    | 500    | 111% | 77  | 125  | 0%   |   |
| 1,1-Dichloroethene        | A          | ug/L         | 136.91271  | 5.4765084              |               | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 110% | 71  | 131  | 0%   |   |
| 1,1-Dichloropropene       | A          | ug/L         | 122.64472  | 4.9057888              |               | 5     | 0        | 0         | 0.083  | 0.5    | 500    | 98%  | 79  | 125  | 0%   |   |
| 1,2,3-Trichloropropane    | A          | ug/L         | 131.68394  | 5.2673576              |               | 5     | 0        | 0         | 0.235  | 0.5    | 500    | 105% | 73  | 125  | 0%   |   |
| 1,2-Dibromoethane         | A          | ug/L         | 133.82951  | 5.3531804              |               | 5     | 0        | 0         | 0.0916 | 0.5    | 500    | 107% | 78  | 122  | 0%   |   |

| Seq No                         | Lab ID     | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971525                       | LCS010522_ | VOC-8260-W-Q | LCS-DOD    | DA5975C\VG010:1/5/2022 | 11:27:3       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T          | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene            | A          | ug/L         | 131.99403  | 5.2797612              |               | 5     | 0        | 0         | 0.0746 | 0.5    | 500    | 106% | 80  | 119  | 0%   |   |
| 1,2-Dichloroethane             | A          | ug/L         | 127.24721  | 5.0898884              |               | 5     | 0        | 0         | 0.116  | 0.5    | 500    | 102% | 73  | 128  | 0%   |   |
| 1,2-Dichloropropane            | A          | ug/L         | 128.20824  | 5.1283296              |               | 5     | 0        | 0         | 0.0847 | 0.5    | 500    | 103% | 78  | 122  | 0%   |   |
| 1,3-Dichlorobenzene            | A          | ug/L         | 134.73853  | 5.3895412              |               | 5     | 0        | 0         | 0.0803 | 0.5    | 500    | 108% | 80  | 119  | 0%   |   |
| 1,3-Dichloropropane            | A          | ug/L         | 129.22354  | 5.1689416              |               | 5     | 0        | 0         | 0.0791 | 0.5    | 500    | 103% | 80  | 119  | 0%   |   |
| 1,4-Dichlorobenzene            | A          | ug/L         | 130.15948  | 5.2063792              |               | 5     | 0        | 0         | 0.0858 | 0.5    | 500    | 104% | 79  | 118  | 0%   |   |
| 2,2-Dichloropropane            | A          | ug/L         | 132.56709  | 5.3026836              |               | 5     | 0        | 0         | 0.186  | 0.5    | 500    | 106% | 60  | 139  | 0%   |   |
| 2-Chlorotoluene                | A          | ug/L         | 134.41808  | 5.3767232              |               | 5     | 0        | 0         | 0.0876 | 0.5    | 500    | 108% | 79  | 122  | 0%   |   |
| 4-Chlorotoluene                | A          | ug/L         | 136.3209   | 5.452836               |               | 5     | 0        | 0         | 0.0728 | 0.5    | 500    | 109% | 78  | 122  | 0%   |   |
| Benzene                        | A          | ug/L         | 134.27415  | 5.370966               |               | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 107% | 79  | 120  | 0%   |   |
| Bromobenzene                   | A          | ug/L         | 136.35762  | 5.4543048              |               | 5     | 0        | 0         | 0.0831 | 0.5    | 500    | 109% | 80  | 120  | 0%   |   |
| Bromochloromethane             | A          | ug/L         | 135.31234  | 5.4124936              |               | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 108% | 78  | 123  | 0%   |   |
| Bromodichloromethane           | A          | ug/L         | 134.10931  | 5.3643724              |               | 5     | 0        | 0         | 0.12   | 0.5    | 500    | 107% | 79  | 125  | 0%   |   |
| Bromoform                      | A          | ug/L         | 141.79502  | 5.6718008              |               | 5     | 0        | 0         | 0.119  | 0.5    | 500    | 113% | 66  | 130  | 0%   |   |
| Bromomethane                   | A          | ug/L         | 109.56541  | 4.3826164              |               | 5     | 0        | 0         | 0.253  | 0.5    | 500    | 88%  | 53  | 141  | 0%   |   |
| Carbon tetrachloride           | A          | ug/L         | 120.65262  | 4.8261048              |               | 5     | 0        | 0         | 0.143  | 0.5    | 500    | 97%  | 72  | 136  | 0%   |   |
| Chlorobenzene                  | A          | ug/L         | 132.50734  | 5.3002936              |               | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 106% | 82  | 118  | 0%   |   |
| Chlorodibromomethane           | A          | ug/L         | 132.59884  | 5.3039536              |               | 5     | 0        | 0         | 0.0841 | 0.5    | 500    | 106% | 74  | 126  | 0%   |   |
| Chloroethane                   | A          | ug/L         | 115.63369  | 4.6253476              |               | 5     | 0        | 0         | 0.169  | 0.5    | 500    | 93%  | 60  | 138  | 0%   |   |
| Chloroform                     | A          | ug/L         | 123.16066  | 4.9264264              |               | 5     | 0        | 0         | 0.0789 | 0.5    | 500    | 99%  | 79  | 124  | 0%   |   |
| Chloromethane                  | A          | ug/L         | 112.36777  | 4.4947108              |               | 5     | 0        | 0         | 0.162  | 0.5    | 500    | 90%  | 50  | 139  | 0%   |   |
| cis-1,2-Dichloroethene         | A          | ug/L         | 134.08788  | 5.3635152              |               | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 107% | 78  | 123  | 0%   |   |
| cis-1,3-Dichloropropene        | A          | ug/L         | 125.62939  | 5.0251756              |               | 5     | 0        | 0         | 0.073  | 0.5    | 500    | 101% | 75  | 124  | 0%   |   |
| Dibromomethane                 | A          | ug/L         | 130.25809  | 5.2103236              |               | 5     | 0        | 0         | 0.147  | 0.5    | 500    | 104% | 79  | 123  | 0%   |   |
| Dichlorodifluoromethane        | A          | ug/L         | 109.0928   | 4.363712               |               | 5     | 0        | 0         | 0.175  | 0.5    | 500    | 87%  | 32  | 152  | 0%   |   |
| Ethylbenzene                   | A          | ug/L         | 129.1693   | 5.166772               |               | 5     | 0        | 0         | 0.0836 | 0.5    | 500    | 103% | 79  | 121  | 0%   |   |
| m+p-Xylenes                    | A          | ug/L         | 260.07995  | 10.403198              |               | 10    | 0        | 0         | 0.15   | 0.5    | 1000   | 104% | 80  | 121  | 0%   |   |
| Methyl ethyl ketone            | A          | ug/L         | 1303.70201 | 52.1480804             |               | 50    | 0        | 0         | 1.77   | 10     | 5000   | 104% | 56  | 143  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A          | ug/L         | 143.1239   | 5.724956               |               | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 114% | 71  | 124  | 0%   |   |
| Methylene chloride             | A          | ug/L         | 128.32091  | 5.1328364              |               | 5     | 0        | 0         | 0.338  | 0.5    | 500    | 103% | 74  | 124  | 0%   |   |
| o-Xylene                       | A          | ug/L         | 131.27324  | 5.2509296              |               | 5     | 0        | 0         | 0.0604 | 0.5    | 500    | 105% | 78  | 122  | 0%   |   |
| Styrene                        | A          | ug/L         | 135.16583  | 5.4066332              |               | 5     | 0        | 0         | 0.067  | 0.5    | 500    | 108% | 78  | 123  | 0%   |   |
| Tetrachloroethene              | A          | ug/L         | 127.47099  | 5.0988396              |               | 5     | 0        | 0         | 0.0671 | 0.5    | 500    | 102% | 74  | 129  | 0%   |   |
| Toluene                        | A          | ug/L         | 134.40455  | 5.376182               |               | 5     | 0        | 0         | 0.0679 | 0.5    | 500    | 108% | 80  | 121  | 0%   |   |
| trans-1,2-Dichloroethene       | A          | ug/L         | 135.07074  | 5.4028296              |               | 5     | 0        | 0         | 0.125  | 0.5    | 500    | 108% | 75  | 124  | 0%   |   |

| Seq No                    | Lab ID     | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971525                  | LCS010522_ | VOC-8260-W-Q | LCS-DOD    | DA5975C\VG010:1/5/2022 | 11:27:3       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T          | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| trans-1,3-Dichloropropene | A          | ug/L         | 138.03838  | 5.5215352              |               | 5     | 0        | 0         | 0.0846 | 0.5    | 500    | 110% | 73  | 127  | 0%   |   |
| Trichloroethene           | A          | ug/L         | 128.09371  | 5.1237484              |               | 5     | 0        | 0         | 0.0993 | 0.5    | 500    | 102% | 79  | 123  | 0%   |   |
| Trichlorofluoromethane    | A          | ug/L         | 123.94233  | 4.9576932              |               | 5     | 0        | 0         | 0.134  | 0.5    | 500    | 99%  | 65  | 141  | 0%   |   |
| Vinyl chloride            | A          | ug/L         | 120.82943  | 4.8331772              |               | 5     | 0        | 0         | 0.153  | 0.5    | 500    | 97%  | 58  | 137  | 0%   |   |
| 1,4-Dichlorobenzene-d4    | I          | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5          | I          | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene             | I          | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total            | M          | ug/L         | 391.35319  | 15.6541276             |               | 15    | 0        | 0         | 0.0604 | 0.5    | 1500   | 104% | 79  | 121  | 0%   |   |
| 1,2-Dichloroethane-d4     | S          | ug/L         | 282.23542  | 11.2894168             |               | 10    | 0        | 0         | 0.229  | 0.5    | 500    | 113% | 81  | 118  | 0%   |   |
| Dibromofluoromethane      | S          | ug/L         | 274.12732  | 10.9650928             |               | 10    | 0        | 0         | 0.129  | 0.5    | 500    | 110% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene      | S          | ug/L         | 269.64098  | 10.7856392             |               | 10    | 0        | 0         | 0.149  | 0.5    | 500    | 108% | 85  | 114  | 0%   |   |
| Toluene-d8                | S          | ug/L         | 272.33887  | 10.8935548             |               | 10    | 0        | 0         | 0.23   | 0.5    | 500    | 109% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID      | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|-------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971526                  | MBLK010522_ | VOC-8260-W-Q | MBLK       | DA5975C\VG010:1/5/2022 | 12:21:5       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T           | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1,1-Trichloroethane     | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1,2-Trichloroethane     | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1-Dichloroethane        | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1-Dichloroethene        | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,1-Dichloropropene       | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2,3-Trichloropropane    | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dibromoethane         | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dichlorobenzene       | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dichloroethane        | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dichloropropane       | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,3-Dichlorobenzene       | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,3-Dichloropropane       | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,4-Dichlorobenzene       | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 2,2-Dichloropropane       | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 2-Chlorotoluene           | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 4-Chlorotoluene           | A           | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |

| Seq No                         | Lab ID      | Test Code    | Sample Typ | File ID       | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|-------------|--------------|------------|---------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971526                       | MBLK010522_ | VOC-8260-W-Q | MBLK       | DA5975CVVG010 | 1/5/2022 12:21:5 | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T           | Units        | RAW        | Final         | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Benzene                        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0914 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromobenzene                   | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0831 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromochloromethane             | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.141  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromodichloromethane           | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.12   | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromoform                      | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.119  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromomethane                   | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.253  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Carbon tetrachloride           | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.143  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene                  | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0914 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorodibromomethane           | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0841 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chloroethane                   | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.169  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chloroform                     | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0789 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Chloromethane                  | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.162  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| cis-1,2-Dichloroethene         | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.108  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| cis-1,3-Dichloropropene        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.073  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Dibromomethane                 | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.147  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Dichlorodifluoromethane        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.175  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Ethylbenzene                   | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0836 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| m+p-Xylenes                    | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.15   | 0.5    | 1000   | 0%   | 0   | 0    | 0%   |   |
| Methyl ethyl ketone            | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 1.77   | 10     | 5000   | 0%   | 0   | 0    | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.101  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Methylene chloride             | A           | ug/L         | 1.48861    | 0             |                  | 0     | 0        | 0         | 0.338  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| o-Xylene                       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0604 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Styrene                        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.067  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Tetrachloroethene              | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0671 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Toluene                        | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0679 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| trans-1,2-Dichloroethene       | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.125  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| trans-1,3-Dichloropropene      | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0846 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Trichloroethene                | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0993 | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Trichlorofluoromethane         | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.134  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Vinyl chloride                 | A           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.153  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I           | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I           | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I           | ug/L         | 250        | 10            |                  | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M           | ug/L         | 0          | 0             |                  | 0     | 0        | 0         | 0.0604 | 0.5    | 1500   | 0%   | 0   | 0    | 0%   |   |
| 1,2-Dichloroethane-d4          | S           | ug/L         | 291.50907  | 11.6603628    |                  | 10    | 0        | 0         | 0.229  | 0.5    | 500    | 117% | 81  | 118  | 0%   |   |

| Seq No               | Lab ID      | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------------------|-------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971526             | MBLK010522_ | VOC-8260-W-Q | MBLK       | DA5975C\VG010:1/5/2022 | 12:21:5       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte              | T           | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Dibromofluoromethane | S           | ug/L         | 277.65061  | 11.1060244             |               | 10    | 0        | 0         | 0.129  | 0.5    | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene | S           | ug/L         | 263.93399  | 10.5573596             |               | 10    | 0        | 0         | 0.149  | 0.5    | 500    | 106% | 85  | 114  | 0%   |   |
| Toluene-d8           | S           | ug/L         | 267.09011  | 10.6836044             |               | 10    | 0        | 0         | 0.23   | 0.5    | 500    | 107% | 89  | 112  | 0%   |   |

| Seq No   | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971537 | B22010002-004 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 12:49:1       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte  | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971538                  | B22010096-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 1:16:30       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971538                       | B22010096-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 1:16:30       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Bromodichloromethane           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 3.56369    | 0                      |               | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 1.63088    | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0.90372    | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 289.97834  | 11.5991336             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 116% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 279.85553  | 11.1942212             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 112% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 269.73697  | 10.7894788             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 108% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 264.72126  | 10.5888504             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 106% | 89  | 112  | 0%   |   |



| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID         | Analysis Date  | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|-----------------|----------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971539                  | B22010120-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1 | 5/2022 1:43:48 | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final           | Text           | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                 | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene             | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane             | A             | ug/L         | 3.49256    | 0               |                | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene    | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971539                       | B22010120-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 1:43:48       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 1.7346     | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 295.94538  | 11.8378152             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 118% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 283.33331  | 11.3333324             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 113% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 268.54026  | 10.7416104             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 107% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 270.74611  | 10.8298444             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 108% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971540                  | B22010134-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 2:11:00       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID         | Analysis Date  | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|-----------------|----------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971540                       | B22010134-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1 | 5/2022 2:11:00 | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final           | Text           | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane             | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene                | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene                | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane             | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 1.10028    | 0               |                | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 1.15603    | 0               |                | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0.86197    | 0               |                | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                        | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|--------------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971540                  | B22010134-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 2:11:00 |               | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                          | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| trans-1,3-Dichloropropene | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene           | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane    | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride            | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4    | I             | ug/L         | 250        | 10                             |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5          | I             | ug/L         | 250        | 10                             |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene             | I             | ug/L         | 250        | 10                             |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total            | M             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4     | S             | ug/L         | 286.86014  | 11.4744056                     |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 115% | 81  | 118  | 0%   |   |
| Dibromofluoromethane      | S             | ug/L         | 280.24166  | 11.2096664                     |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 112% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene      | S             | ug/L         | 275.01383  | 11.0005532                     |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 110% | 85  | 114  | 0%   |   |
| Toluene-d8                | S             | ug/L         | 268.80887  | 10.7523548                     |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 108% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                        | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|--------------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971541                  | B22010141-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 2:38:23 |               | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                          | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                              |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971541                       | B22010141-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 2:38:23       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Benzene                        | A             | ug/L         | 0.14752    | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 1.27694    | 0                      |               | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 1.55165    | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 1.2239     | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 291.48037  | 11.6592148             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 117% | 81  | 118  | 0%   |   |

| Seq No               | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971541             | B22010141-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 2:38:23       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte              | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Dibromofluoromethane | S             | ug/L         | 280.31885  | 11.212754              |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 112% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene | S             | ug/L         | 270.39993  | 10.8159972             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 108% | 85  | 114  | 0%   |   |
| Toluene-d8           | S             | ug/L         | 267.76406  | 10.7105624             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 107% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971542                  | B22010142-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 3:05:50       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                   | A             | ug/L         | 0.14344    | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971542                       | B22010142-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 3:05:50       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Chloroethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 1.38074    | 0                      |               | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 2.21665    | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 1.5726     | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 288.47239  | 11.5388956             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 115% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 285.77548  | 11.4310192             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 114% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 271.31161  | 10.8524644             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 109% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 267.22171  | 10.6888684             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 107% | 89  | 112  | 0%   |   |

| Seq No   | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971543 | B22010143-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 3:33:12       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte  | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971543                  | B22010143-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 3:33:12       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane             | A             | ug/L         | 0.82227    | 0                      |               | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |



| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971543                       | B22010143-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 3:33:12       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 1.69772    | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 1.63082    | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 281.18364  | 11.2473456             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 112% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 278.74321  | 11.1497284             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 265.34242  | 10.6136968             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 106% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 266.87328  | 10.6749312             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 107% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971544                  | B22010002-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 4:00:32       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID         | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|-----------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971544                       | B22010002-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1 | 1/5/2022 4:00:32 | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final           | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane             | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene                | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene                | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                        | A             | ug/L         | 0.12664    | 0               |                  | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene                   | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane             | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane           | A             | ug/L         | 1.63533    | 0               |                  | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 16.54828   | 0.6619312       |                  | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | J |
| Bromomethane                   | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 5.79504    | 0.2318016       |                  | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | J |
| Chloroethane                   | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 1.90539    | 0               |                  | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 0.54328    | 0               |                  | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0.09654    | 0               |                  | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 2.13119    | 0.0852476       |                  | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | J |
| Styrene                        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971544                  | B22010002-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 4:00:32       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| trans-1,3-Dichloropropene | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4    | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5          | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene             | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total            | M             | ug/L         | 2.13119    | 0.0852476              |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | J |
| 1,2-Dichloroethane-d4     | S             | ug/L         | 295.27075  | 11.81083               |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 118% | 81  | 118  | 0%   |   |
| Dibromofluoromethane      | S             | ug/L         | 278.55532  | 11.1422128             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene      | S             | ug/L         | 264.11239  | 10.5644956             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 106% | 85  | 114  | 0%   |   |
| Toluene-d8                | S             | ug/L         | 264.08962  | 10.5635848             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 106% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971545                  | B22010002-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 4:27:50       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID         | Analysis Date  | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|-----------------|----------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971545                       | B22010002-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1 | 5/2022 4:27:50 | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final           | Text           | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Benzene                        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane             | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane           | A             | ug/L         | 1.89432    | 0               |                | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 15.37295   | 0.614918        |                | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | J |
| Bromomethane                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 5.20758    | 0.2083032       |                | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | J |
| Chloroethane                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 1.90877    | 0               |                | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 0.44409    | 0               |                | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0.59257    | 0               |                | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10              |                | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10              |                | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10              |                | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 289.1908   | 11.567632       |                | 10    | 0        | 0         | 0.229  | 1      | 500    | 116% | 81  | 118  | 0%   |   |

| Seq No               | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971545             | B22010002-002 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 4:27:50       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte              | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Dibromofluoromethane | S             | ug/L         | 277.68068  | 11.1072272             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene | S             | ug/L         | 270.80782  | 10.8323128             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 108% | 85  | 114  | 0%   |   |
| Toluene-d8           | S             | ug/L         | 265.93701  | 10.6374804             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 106% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971546                  | B22010002-003 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 4:55:12       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                   | A             | ug/L         | 0.14657    | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane      | A             | ug/L         | 2.08157    | 0                      |               | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                 | A             | ug/L         | 16.35591   | 0.6542364              |               | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | J |
| Bromomethane              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane      | A             | ug/L         | 5.74957    | 0.2299828              |               | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | J |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971546                       | B22010002-003 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 4:55:12       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Chloroethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 1.70841    | 0                      |               | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 4.0503     | 0.162012               |               | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | J |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0.4778     | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 1.19898    | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 1.67678    | 0.0670712              |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | J |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 284.63077  | 11.3852308             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 114% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 276.66529  | 11.0666116             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 264.52391  | 10.5809564             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 106% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 265.62246  | 10.6248984             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 106% | 89  | 112  | 0%   |   |

| Seq No   | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971547 | B22010096-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 5:22:23       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte  | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID         | Analysis Date  | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|-----------------|----------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971547                  | B22010096-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1 | 5/2022 5:22:23 | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final           | Text           | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                 | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene             | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane             | A             | ug/L         | 0.88371    | 0               |                | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene    | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971547                       | B22010096-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 5:22:23       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A             | ug/L         | 0.04631    | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0.04631    | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 287.70198  | 11.5080792             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 115% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 278.05136  | 11.1220544             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 272.22777  | 10.8891108             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 109% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 270.87613  | 10.8350452             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 108% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971548                  | B22010120-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 5:49:37       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |



| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID         | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|-----------------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971548                       | B22010120-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1 | 1/5/2022 5:49:37 | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final           | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane             | A             | ug/L         | 6.00028    | 0.2400112       |                  | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | J |
| 1,2-Dichloropropane            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene                | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene                | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene                   | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane             | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane           | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane                   | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane                   | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0.42097    | 0               |                  | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0               |                  | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971548                  | B22010120-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 5:49:37       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| trans-1,3-Dichloropropene | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4    | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5          | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene             | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total            | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4     | S             | ug/L         | 293.31496  | 11.7325984             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 117% | 81  | 118  | 0%   |   |
| Dibromofluoromethane      | S             | ug/L         | 277.61341  | 11.1045364             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene      | S             | ug/L         | 266.8629   | 10.674516              |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 107% | 85  | 114  | 0%   |   |
| Toluene-d8                | S             | ug/L         | 269.93541  | 10.7974164             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 108% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971549                  | B22010134-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 6:16:51       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971549                       | B22010134-001 | VOC-8260-W-S | SAMP       | DA5975CVVG010:1/5/2022 | 6:16:51       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Benzene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 1.16528    | 0                      |               | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0.69364    | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 284.90915  | 11.396366              |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 114% | 81  | 118  | 0%   |   |

| Seq No               | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971549             | B22010134-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 6:16:51       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte              | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Dibromofluoromethane | S             | ug/L         | 281.03574  | 11.2414296             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 112% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene | S             | ug/L         | 269.49342  | 10.7797368             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 108% | 85  | 114  | 0%   |   |
| Toluene-d8           | S             | ug/L         | 268.66914  | 10.7467656             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 107% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971550                  | B22010141-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 6:44:10       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                   | A             | ug/L         | 0.14554    | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971550                       | B22010141-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 6:44:10       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Chloroethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 287.12367  | 11.4849468             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 115% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 277.49716  | 11.0998864             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 265.61597  | 10.6246388             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 106% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 266.98971  | 10.6795884             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 107% | 89  | 112  | 0%   |   |

| Seq No   | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971551 | B22010142-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 7:11:33       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte  | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971551                  | B22010142-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 7:11:33       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                   | A             | ug/L         | 0.09675    | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane             | A             | ug/L         | 1.55746    | 0                      |               | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971551                       | B22010142-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 7:11:33       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 1.19327    | 0                      |               | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 294.78953  | 11.7915812             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 118% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 282.3413   | 11.293652              |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 113% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 271.12478  | 10.8449912             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 108% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 266.12067  | 10.6448268             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 106% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971552                  | B22010143-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 7:38:52       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID         | Analysis Date  | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|-----------------|----------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971552                       | B22010143-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1 | 5/2022 7:38:52 | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final           | Text           | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0746 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane             | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.116  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0847 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0803 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0791 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0858 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.186  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene                | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0876 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene                | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0728 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Benzene                        | A             | ug/L         | 0.63949    | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0831 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane             | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.141  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.12   | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.119  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromomethane                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.253  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 1.00552    | 0               |                | 0     | 0        | 0         | 0.143  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0914 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0841 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroethane                   | A             | ug/L         | 3.26204    | 0               |                | 0     | 0        | 0         | 0.169  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 52.21756   | 2.0887024       |                | 0     | 0        | 0         | 0.0789 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 3.23447    | 0               |                | 0     | 0        | 0         | 0.162  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.108  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.073  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.147  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.175  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0836 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.15   | 1      | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 1.77   | 20     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.101  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 1.02328    | 0               |                | 0     | 0        | 0         | 0.338  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0604 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Styrene                        | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.067  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.0671 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0.14142    | 0               |                | 0     | 0        | 0         | 0.0679 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0               |                | 0     | 0        | 0         | 0.125  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |



| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971552                  | B22010143-001 | VOC-8260-W-S | SAMP       | DA5975C\VG010:1/5/2022 | 7:38:52       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| trans-1,3-Dichloropropene | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 1      | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4    | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5          | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene             | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0.1    | 0      | 0      | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total            | M             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0604 | 1      | 0      | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane-d4     | S             | ug/L         | 287.76422  | 11.5105688             |               | 10    | 0        | 0         | 0.229  | 1      | 500    | 115% | 81  | 118  | 0%   |   |
| Dibromofluoromethane      | S             | ug/L         | 282.74626  | 11.3098504             |               | 10    | 0        | 0         | 0.129  | 1      | 500    | 113% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene      | S             | ug/L         | 270.11863  | 10.8047452             |               | 10    | 0        | 0         | 0.149  | 1      | 500    | 108% | 85  | 114  | 0%   |   |
| Toluene-d8                | S             | ug/L         | 264.64337  | 10.5857348             |               | 10    | 0        | 0         | 0.23   | 1      | 500    | 106% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971553                  | B22010002-001 | VOC-8260-W-Q | SAMP       | DA5975C\VG010:1/5/2022 | 4:00:32       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,1-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.131  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0872 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1,2-Trichloroethane     | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.135  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloroethene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,1-Dichloropropene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.083  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2,3-Trichloropropane    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.235  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dibromoethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0916 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0746 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloroethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.116  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0847 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0803 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,3-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0791 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0858 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 2,2-Dichloropropane       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.186  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 2-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0876 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 4-Chlorotoluene           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0728 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971553                       | B22010002-001 | VOC-8260-W-Q | SAMP       | DA5975C\VG010:1/5/2022 | 4:00:32       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Benzene                        | A             | ug/L         | 0.12664    | 0                      |               | 0     | 0        | 0         | 0.0914 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromobenzene                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0831 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromochloromethane             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.141  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromodichloromethane           | A             | ug/L         | 1.63533    | 0                      |               | 0     | 0        | 0         | 0.12   | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Bromoform                      | A             | ug/L         | 16.54828   | 0.6619312              |               | 0     | 0        | 0         | 0.119  | 0.5    | 500    | 0%   | 0   | 0    | 0%   |   |
| Bromomethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.253  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Carbon tetrachloride           | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.143  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorobenzene                  | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0914 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Chlorodibromomethane           | A             | ug/L         | 5.79504    | 0.2318016              |               | 0     | 0        | 0         | 0.0841 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | J |
| Chloroethane                   | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.169  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloroform                     | A             | ug/L         | 1.90539    | 0                      |               | 0     | 0        | 0         | 0.0789 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Chloromethane                  | A             | ug/L         | 0.54328    | 0                      |               | 0     | 0        | 0         | 0.162  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,2-Dichloroethene         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.108  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| cis-1,3-Dichloropropene        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.073  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Dibromomethane                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.147  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Dichlorodifluoromethane        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.175  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Ethylbenzene                   | A             | ug/L         | 0.09654    | 0                      |               | 0     | 0        | 0         | 0.0836 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| m+p-Xylenes                    | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.15   | 0.5    | 1000   | 0%   | 0   | 0    | 0%   | U |
| Methyl ethyl ketone            | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 1.77   | 10     | 5000   | 0%   | 0   | 0    | 0%   | U |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.101  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Methylene chloride             | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.338  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| o-Xylene                       | A             | ug/L         | 2.13119    | 0.0852476              |               | 0     | 0        | 0         | 0.0604 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | J |
| Styrene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.067  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Tetrachloroethene              | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0671 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Toluene                        | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0679 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,2-Dichloroethene       | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.125  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| trans-1,3-Dichloropropene      | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0846 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichloroethene                | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.0993 | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Trichlorofluoromethane         | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.134  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| Vinyl chloride                 | A             | ug/L         | 0          | 0                      |               | 0     | 0        | 0         | 0.153  | 0.5    | 500    | 0%   | 0   | 0    | 0%   | U |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 2.13119    | 0.0852476              |               | 0     | 0        | 0         | 0.0604 | 0.5    | 1500   | 0%   | 0   | 0    | 0%   | J |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 295.27075  | 11.81083               |               | 10    | 0        | 0         | 0.229  | 0.5    | 500    | 118% | 81  | 118  | 0%   |   |

| Seq No               | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------------------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971553             | B22010002-001 | VOC-8260-W-Q | SAMP       | DA5975C\VG010:1/5/2022 | 4:00:32       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte              | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Dibromofluoromethane | S             | ug/L         | 278.55532  | 11.1422128             |               | 10    | 0        | 0         | 0.129  | 0.5    | 500    | 111% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene | S             | ug/L         | 264.11239  | 10.5644956             |               | 10    | 0        | 0         | 0.149  | 0.5    | 500    | 106% | 85  | 114  | 0%   |   |
| Toluene-d8           | S             | ug/L         | 264.08962  | 10.5635848             |               | 10    | 0        | 0         | 0.23   | 0.5    | 500    | 106% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID  | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|-----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971554                  | B22010002-001 | VOC-8260-W-Q | MS-DOD     | DA5975C\VG010:1/5/2022 | 8:33:23       | 1     | R372966   |           | 1E+07  | 0      |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref    | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 124.2913   | 4.971652               |               | 5     | 0         | 0         | 0.101  | 0.5    | 500    | 99%  | 78  | 124  | 0%   |   |
| 1,1,1-Trichloroethane     | A             | ug/L         | 126.81306  | 5.0725224              |               | 5     | 0         | 0         | 0.131  | 0.5    | 500    | 101% | 74  | 131  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 130.0529   | 5.202116               |               | 5     | 0         | 0         | 0.0872 | 0.5    | 500    | 104% | 71  | 121  | 0%   |   |
| 1,1,2-Trichloroethane     | A             | ug/L         | 125.70778  | 5.0283112              |               | 5     | 0         | 0         | 0.108  | 0.5    | 500    | 101% | 80  | 119  | 0%   |   |
| 1,1-Dichloroethane        | A             | ug/L         | 131.63166  | 5.2652664              |               | 5     | 0         | 0         | 0.135  | 0.5    | 500    | 105% | 77  | 125  | 0%   |   |
| 1,1-Dichloroethene        | A             | ug/L         | 130.81807  | 5.2327228              |               | 5     | 0         | 0         | 0.141  | 0.5    | 500    | 105% | 71  | 131  | 0%   |   |
| 1,1-Dichloropropene       | A             | ug/L         | 118.88429  | 4.7553716              |               | 5     | 0         | 0         | 0.083  | 0.5    | 500    | 95%  | 79  | 125  | 0%   |   |
| 1,2,3-Trichloropropane    | A             | ug/L         | 124.14169  | 4.9656676              |               | 5     | 0         | 0         | 0.235  | 0.5    | 500    | 99%  | 73  | 125  | 0%   |   |
| 1,2-Dibromoethane         | A             | ug/L         | 124.69649  | 4.9878596              |               | 5     | 0         | 0         | 0.0916 | 0.5    | 500    | 100% | 78  | 122  | 0%   |   |
| 1,2-Dichlorobenzene       | A             | ug/L         | 127.18373  | 5.0873492              |               | 5     | 0         | 0         | 0.0746 | 0.5    | 500    | 102% | 80  | 119  | 0%   |   |
| 1,2-Dichloroethane        | A             | ug/L         | 123.53198  | 4.9412792              |               | 5     | 0         | 0         | 0.116  | 0.5    | 500    | 99%  | 73  | 128  | 0%   |   |
| 1,2-Dichloropropane       | A             | ug/L         | 123.48815  | 4.939526               |               | 5     | 0         | 0         | 0.0847 | 0.5    | 500    | 99%  | 78  | 122  | 0%   |   |
| 1,3-Dichlorobenzene       | A             | ug/L         | 128.44151  | 5.1376604              |               | 5     | 0         | 0         | 0.0803 | 0.5    | 500    | 103% | 80  | 119  | 0%   |   |
| 1,3-Dichloropropane       | A             | ug/L         | 122.44612  | 4.8978448              |               | 5     | 0         | 0         | 0.0791 | 0.5    | 500    | 98%  | 80  | 119  | 0%   |   |
| 1,4-Dichlorobenzene       | A             | ug/L         | 127.49417  | 5.0997668              |               | 5     | 0         | 0         | 0.0858 | 0.5    | 500    | 102% | 79  | 118  | 0%   |   |
| 2,2-Dichloropropane       | A             | ug/L         | 124.6457   | 4.985828               |               | 5     | 0         | 0         | 0.186  | 0.5    | 500    | 100% | 60  | 139  | 0%   |   |
| 2-Chlorotoluene           | A             | ug/L         | 131.40376  | 5.2561504              |               | 5     | 0         | 0         | 0.0876 | 0.5    | 500    | 105% | 79  | 122  | 0%   |   |
| 4-Chlorotoluene           | A             | ug/L         | 131.94766  | 5.2779064              |               | 5     | 0         | 0         | 0.0728 | 0.5    | 500    | 106% | 78  | 122  | 0%   |   |
| Benzene                   | A             | ug/L         | 129.18093  | 5.1672372              |               | 5     | 0         | 0         | 0.0914 | 0.5    | 500    | 103% | 79  | 120  | 0%   |   |
| Bromobenzene              | A             | ug/L         | 130.84998  | 5.2339992              |               | 5     | 0         | 0         | 0.0831 | 0.5    | 500    | 105% | 80  | 120  | 0%   |   |
| Bromochloromethane        | A             | ug/L         | 123.80263  | 4.9521052              |               | 5     | 0         | 0         | 0.141  | 0.5    | 500    | 99%  | 78  | 123  | 0%   |   |
| Bromodichloromethane      | A             | ug/L         | 130.40783  | 5.2163132              |               | 5     | 0         | 0         | 0.12   | 0.5    | 500    | 104% | 79  | 125  | 0%   |   |
| Bromoform                 | A             | ug/L         | 141.29554  | 5.6518216              |               | 5     | 0.6619312 | 0         | 0.119  | 0.5    | 500    | 100% | 66  | 130  | 0%   |   |
| Bromomethane              | A             | ug/L         | 104.79494  | 4.1917976              |               | 5     | 0         | 0         | 0.253  | 0.5    | 500    | 84%  | 53  | 141  | 0%   |   |
| Carbon tetrachloride      | A             | ug/L         | 124.23425  | 4.96937                |               | 5     | 0         | 0         | 0.143  | 0.5    | 500    | 99%  | 72  | 136  | 0%   |   |
| Chlorobenzene             | A             | ug/L         | 125.98193  | 5.0392772              |               | 5     | 0         | 0         | 0.0914 | 0.5    | 500    | 101% | 82  | 118  | 0%   |   |
| Chlorodibromomethane      | A             | ug/L         | 131.48391  | 5.2593564              |               | 5     | 0.2318016 | 0         | 0.0841 | 0.5    | 500    | 101% | 74  | 126  | 0%   |   |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID  | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|-----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971554                       | B22010002-001 | VOC-8260-W-Q | MS-DOD     | DA5975C\VG010:1/5/2022 | 8:33:23       | 1     | R372966   |           | 1E+07  | 0      |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref    | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Chloroethane                   | A             | ug/L         | 105.22062  | 4.2088248              |               | 5     | 0         | 0         | 0.169  | 0.5    | 500    | 84%  | 60  | 138  | 0%   |   |
| Chloroform                     | A             | ug/L         | 122.94551  | 4.9178204              |               | 5     | 0         | 0         | 0.0789 | 0.5    | 500    | 98%  | 79  | 124  | 0%   |   |
| Chloromethane                  | A             | ug/L         | 105.90169  | 4.2360676              |               | 5     | 0         | 0         | 0.162  | 0.5    | 500    | 85%  | 50  | 139  | 0%   |   |
| cis-1,2-Dichloroethene         | A             | ug/L         | 130.07041  | 5.2028164              |               | 5     | 0         | 0         | 0.108  | 0.5    | 500    | 104% | 78  | 123  | 0%   |   |
| cis-1,3-Dichloropropene        | A             | ug/L         | 114.74869  | 4.5899476              |               | 5     | 0         | 0         | 0.073  | 0.5    | 500    | 92%  | 75  | 124  | 0%   |   |
| Dibromomethane                 | A             | ug/L         | 128.63758  | 5.1455032              |               | 5     | 0         | 0         | 0.147  | 0.5    | 500    | 103% | 79  | 123  | 0%   |   |
| Dichlorodifluoromethane        | A             | ug/L         | 110.02865  | 4.401146               |               | 5     | 0         | 0         | 0.175  | 0.5    | 500    | 88%  | 32  | 152  | 0%   |   |
| Ethylbenzene                   | A             | ug/L         | 126.9581   | 5.078324               |               | 5     | 0         | 0         | 0.0836 | 0.5    | 500    | 102% | 79  | 121  | 0%   |   |
| m+p-Xylenes                    | A             | ug/L         | 257.70968  | 10.3083872             |               | 10    | 0         | 0         | 0.15   | 0.5    | 1000   | 103% | 80  | 121  | 0%   |   |
| Methyl ethyl ketone            | A             | ug/L         | 1221.12605 | 48.845042              |               | 50    | 0         | 0         | 1.77   | 10     | 5000   | 98%  | 56  | 143  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 135.78671  | 5.4314684              |               | 5     | 0         | 0         | 0.101  | 0.5    | 500    | 109% | 71  | 124  | 0%   |   |
| Methylene chloride             | A             | ug/L         | 120.44673  | 4.8178692              |               | 5     | 0         | 0         | 0.338  | 0.5    | 500    | 96%  | 74  | 124  | 0%   |   |
| o-Xylene                       | A             | ug/L         | 129.95296  | 5.1981184              |               | 5     | 0.0852476 | 0         | 0.0604 | 0.5    | 500    | 102% | 78  | 122  | 0%   |   |
| Styrene                        | A             | ug/L         | 133.36669  | 5.3346676              |               | 5     | 0         | 0         | 0.067  | 0.5    | 500    | 107% | 78  | 123  | 0%   |   |
| Tetrachloroethene              | A             | ug/L         | 124.83053  | 4.9932212              |               | 5     | 0         | 0         | 0.0671 | 0.5    | 500    | 100% | 74  | 129  | 0%   |   |
| Toluene                        | A             | ug/L         | 130.26584  | 5.2106336              |               | 5     | 0         | 0         | 0.0679 | 0.5    | 500    | 104% | 80  | 121  | 0%   |   |
| trans-1,2-Dichloroethene       | A             | ug/L         | 128.76558  | 5.1506232              |               | 5     | 0         | 0         | 0.125  | 0.5    | 500    | 103% | 75  | 124  | 0%   |   |
| trans-1,3-Dichloropropene      | A             | ug/L         | 128.12439  | 5.1249756              |               | 5     | 0         | 0         | 0.0846 | 0.5    | 500    | 102% | 73  | 127  | 0%   |   |
| Trichloroethene                | A             | ug/L         | 127.07003  | 5.0828012              |               | 5     | 0         | 0         | 0.0993 | 0.5    | 500    | 102% | 79  | 123  | 0%   |   |
| Trichlorofluoromethane         | A             | ug/L         | 120.46314  | 4.8185256              |               | 5     | 0         | 0         | 0.134  | 0.5    | 500    | 96%  | 65  | 141  | 0%   |   |
| Vinyl chloride                 | A             | ug/L         | 116.32383  | 4.6529532              |               | 5     | 0         | 0         | 0.153  | 0.5    | 500    | 93%  | 58  | 137  | 0%   |   |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0         | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0         | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0         | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 387.66264  | 15.5065056             |               | 15    | 0.0852476 | 0         | 0.0604 | 0.5    | 1500   | 103% | 79  | 121  | 0%   |   |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 281.72264  | 11.2689056             |               | 10    | 0         | 0         | 0.229  | 0.5    | 500    | 113% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 274.31186  | 10.9724744             |               | 10    | 0         | 0         | 0.129  | 0.5    | 500    | 110% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 262.94255  | 10.517702              |               | 10    | 0         | 0         | 0.149  | 0.5    | 500    | 105% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 279.18451  | 11.1673804             |               | 10    | 0         | 0         | 0.23   | 0.5    | 500    | 112% | 89  | 112  | 0%   |   |

| Seq No   | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------|---------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971555 | B22010002-001 | VOC-8260-W-Q | MSD-DOD    | DA5975C\VG010:1/5/2022 | 9:00:38       | 1     | R372966  |           | 1E+07  | 1E+07  |        |      |     |      |      |   |
| Analyte  | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |

| Seq No                    | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID  | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|---------------|--------------|------------|------------------------|---------------|-------|-----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971555                  | B22010002-001 | VOC-8260-W-Q | MSD-DOD    | DA5975C\VG010:1/5/2022 | 9:00:38       | 1     | R372966   |           | 1E+07  | 1E+07  |        |      |     |      |      |   |
| Analyte                   | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref    | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A             | ug/L         | 129.55639  | 5.1822556              |               | 5     | 0         | 4.971652  | 0.101  | 0.5    | 500    | 104% | 78  | 124  | 4%   |   |
| 1,1,1-Trichloroethane     | A             | ug/L         | 136.27134  | 5.4508536              |               | 5     | 0         | 5.0725224 | 0.131  | 0.5    | 500    | 109% | 74  | 131  | 7%   |   |
| 1,1,2,2-Tetrachloroethane | A             | ug/L         | 138.83661  | 5.5534644              |               | 5     | 0         | 5.202116  | 0.0872 | 0.5    | 500    | 111% | 71  | 121  | 7%   |   |
| 1,1,2-Trichloroethane     | A             | ug/L         | 131.14249  | 5.2456996              |               | 5     | 0         | 5.0283112 | 0.108  | 0.5    | 500    | 105% | 80  | 119  | 4%   |   |
| 1,1-Dichloroethane        | A             | ug/L         | 142.83081  | 5.7132324              |               | 5     | 0         | 5.2652664 | 0.135  | 0.5    | 500    | 114% | 77  | 125  | 8%   |   |
| 1,1-Dichloroethene        | A             | ug/L         | 140.22157  | 5.6088628              |               | 5     | 0         | 5.2327228 | 0.141  | 0.5    | 500    | 112% | 71  | 131  | 7%   |   |
| 1,1-Dichloropropene       | A             | ug/L         | 129.15526  | 5.1662104              |               | 5     | 0         | 4.7553716 | 0.083  | 0.5    | 500    | 103% | 79  | 125  | 8%   |   |
| 1,2,3-Trichloropropane    | A             | ug/L         | 139.49707  | 5.5798828              |               | 5     | 0         | 4.9656676 | 0.235  | 0.5    | 500    | 112% | 73  | 125  | 12%  |   |
| 1,2-Dibromoethane         | A             | ug/L         | 137.04445  | 5.481778               |               | 5     | 0         | 4.9878596 | 0.0916 | 0.5    | 500    | 110% | 78  | 122  | 9%   |   |
| 1,2-Dichlorobenzene       | A             | ug/L         | 136.84112  | 5.4736448              |               | 5     | 0         | 5.0873492 | 0.0746 | 0.5    | 500    | 109% | 80  | 119  | 7%   |   |
| 1,2-Dichloroethane        | A             | ug/L         | 134.14629  | 5.3658516              |               | 5     | 0         | 4.9412792 | 0.116  | 0.5    | 500    | 107% | 73  | 128  | 8%   |   |
| 1,2-Dichloropropane       | A             | ug/L         | 133.1065   | 5.32426                |               | 5     | 0         | 4.939526  | 0.0847 | 0.5    | 500    | 106% | 78  | 122  | 7%   |   |
| 1,3-Dichlorobenzene       | A             | ug/L         | 136.27909  | 5.4511636              |               | 5     | 0         | 5.1376604 | 0.0803 | 0.5    | 500    | 109% | 80  | 119  | 6%   |   |
| 1,3-Dichloropropane       | A             | ug/L         | 132.2893   | 5.291572               |               | 5     | 0         | 4.8978448 | 0.0791 | 0.5    | 500    | 106% | 80  | 119  | 8%   |   |
| 1,4-Dichlorobenzene       | A             | ug/L         | 134.30285  | 5.372114               |               | 5     | 0         | 5.0997668 | 0.0858 | 0.5    | 500    | 107% | 79  | 118  | 5%   |   |
| 2,2-Dichloropropane       | A             | ug/L         | 132.48722  | 5.2994888              |               | 5     | 0         | 4.985828  | 0.186  | 0.5    | 500    | 106% | 60  | 139  | 6%   |   |
| 2-Chlorotoluene           | A             | ug/L         | 140.15256  | 5.6061024              |               | 5     | 0         | 5.2561504 | 0.0876 | 0.5    | 500    | 112% | 79  | 122  | 6%   |   |
| 4-Chlorotoluene           | A             | ug/L         | 140.68991  | 5.6275964              |               | 5     | 0         | 5.2779064 | 0.0728 | 0.5    | 500    | 113% | 78  | 122  | 6%   |   |
| Benzene                   | A             | ug/L         | 136.34074  | 5.4536296              |               | 5     | 0         | 5.1672372 | 0.0914 | 0.5    | 500    | 109% | 79  | 120  | 5%   |   |
| Bromobenzene              | A             | ug/L         | 135.73709  | 5.4294836              |               | 5     | 0         | 5.2339992 | 0.0831 | 0.5    | 500    | 109% | 80  | 120  | 4%   |   |
| Bromochloromethane        | A             | ug/L         | 133.76756  | 5.3507024              |               | 5     | 0         | 4.9521052 | 0.141  | 0.5    | 500    | 107% | 78  | 123  | 8%   |   |
| Bromodichloromethane      | A             | ug/L         | 138.93129  | 5.5572516              |               | 5     | 0         | 5.2163132 | 0.12   | 0.5    | 500    | 111% | 79  | 125  | 6%   |   |
| Bromoform                 | A             | ug/L         | 159.40334  | 6.3761336              |               | 5     | 0.6619312 | 5.6518216 | 0.119  | 0.5    | 500    | 114% | 66  | 130  | 12%  |   |
| Bromomethane              | A             | ug/L         | 119.28739  | 4.7714956              |               | 5     | 0         | 4.1917976 | 0.253  | 0.5    | 500    | 95%  | 53  | 141  | 13%  |   |
| Carbon tetrachloride      | A             | ug/L         | 132.5551   | 5.302204               |               | 5     | 0         | 4.96937   | 0.143  | 0.5    | 500    | 106% | 72  | 136  | 6%   |   |
| Chlorobenzene             | A             | ug/L         | 134.83984  | 5.3935936              |               | 5     | 0         | 5.0392772 | 0.0914 | 0.5    | 500    | 108% | 82  | 118  | 7%   |   |
| Chlorodibromomethane      | A             | ug/L         | 142.81647  | 5.7126588              |               | 5     | 0.2318016 | 5.2593564 | 0.0841 | 0.5    | 500    | 110% | 74  | 126  | 8%   |   |
| Chloroethane              | A             | ug/L         | 113.24726  | 4.5298904              |               | 5     | 0         | 4.2088248 | 0.169  | 0.5    | 500    | 91%  | 60  | 138  | 7%   |   |
| Chloroform                | A             | ug/L         | 128.63808  | 5.1455232              |               | 5     | 0         | 4.9178204 | 0.0789 | 0.5    | 500    | 103% | 79  | 124  | 5%   |   |
| Chloromethane             | A             | ug/L         | 115.97135  | 4.638854               |               | 5     | 0         | 4.2360676 | 0.162  | 0.5    | 500    | 93%  | 50  | 139  | 9%   |   |
| cis-1,2-Dichloroethene    | A             | ug/L         | 137.91242  | 5.5164968              |               | 5     | 0         | 5.2028164 | 0.108  | 0.5    | 500    | 110% | 78  | 123  | 6%   |   |
| cis-1,3-Dichloropropene   | A             | ug/L         | 125.53217  | 5.0212868              |               | 5     | 0         | 4.5899476 | 0.073  | 0.5    | 500    | 100% | 75  | 124  | 9%   |   |
| Dibromomethane            | A             | ug/L         | 131.63685  | 5.265474               |               | 5     | 0         | 5.1455032 | 0.147  | 0.5    | 500    | 105% | 79  | 123  | 2%   |   |
| Dichlorodifluoromethane   | A             | ug/L         | 117.14005  | 4.685602               |               | 5     | 0         | 4.401146  | 0.175  | 0.5    | 500    | 94%  | 32  | 152  | 6%   |   |
| Ethylbenzene              | A             | ug/L         | 133.66902  | 5.3467608              |               | 5     | 0         | 5.078324  | 0.0836 | 0.5    | 500    | 107% | 79  | 121  | 5%   |   |

| Seq No                         | Lab ID        | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID  | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|---------------|--------------|------------|------------------------|---------------|-------|-----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971555                       | B22010002-001 | VOC-8260-W-Q | MSD-DOD    | DA5975C\VG010:1/5/2022 | 9:00:38       | 1     | R372966   |           | 1E+07  | 1E+07  |        |      |     |      |      |   |
| Analyte                        | T             | Units        | RAW        | Final                  | Text          | Spike | SPKref    | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| m+p-Xylenes                    | A             | ug/L         | 269.98414  | 10.7993656             |               | 10    | 0         | 10.308387 | 0.15   | 0.5    | 1000   | 108% | 80  | 121  | 5%   |   |
| Methyl ethyl ketone            | A             | ug/L         | 1322.90752 | 52.9163008             |               | 50    | 0         | 48.845042 | 1.77   | 10     | 5000   | 106% | 56  | 143  | 8%   |   |
| Methyl tert-butyl ether (MTBE) | A             | ug/L         | 143.34393  | 5.7337572              |               | 5     | 0         | 5.4314684 | 0.101  | 0.5    | 500    | 115% | 71  | 124  | 5%   |   |
| Methylene chloride             | A             | ug/L         | 126.60809  | 5.0643236              |               | 5     | 0         | 4.8178692 | 0.338  | 0.5    | 500    | 101% | 74  | 124  | 5%   |   |
| o-Xylene                       | A             | ug/L         | 137.75032  | 5.5100128              |               | 5     | 0.0852476 | 5.1981184 | 0.0604 | 0.5    | 500    | 108% | 78  | 122  | 6%   |   |
| Styrene                        | A             | ug/L         | 137.60624  | 5.5042496              |               | 5     | 0         | 5.3346676 | 0.067  | 0.5    | 500    | 110% | 78  | 123  | 3%   |   |
| Tetrachloroethene              | A             | ug/L         | 131.87767  | 5.2751068              |               | 5     | 0         | 4.9932212 | 0.0671 | 0.5    | 500    | 106% | 74  | 129  | 5%   |   |
| Toluene                        | A             | ug/L         | 136.05295  | 5.442118               |               | 5     | 0         | 5.2106336 | 0.0679 | 0.5    | 500    | 109% | 80  | 121  | 4%   |   |
| trans-1,2-Dichloroethene       | A             | ug/L         | 140.14648  | 5.6058592              |               | 5     | 0         | 5.1506232 | 0.125  | 0.5    | 500    | 112% | 75  | 124  | 8%   |   |
| trans-1,3-Dichloropropene      | A             | ug/L         | 137.99611  | 5.5198444              |               | 5     | 0         | 5.1249756 | 0.0846 | 0.5    | 500    | 110% | 73  | 127  | 7%   |   |
| Trichloroethene                | A             | ug/L         | 131.90292  | 5.2761168              |               | 5     | 0         | 5.0828012 | 0.0993 | 0.5    | 500    | 106% | 79  | 123  | 4%   |   |
| Trichlorofluoromethane         | A             | ug/L         | 121.42559  | 4.8570236              |               | 5     | 0         | 4.8185256 | 0.134  | 0.5    | 500    | 97%  | 65  | 141  | 1%   |   |
| Vinyl chloride                 | A             | ug/L         | 127.00993  | 5.0803972              |               | 5     | 0         | 4.6529532 | 0.153  | 0.5    | 500    | 102% | 58  | 137  | 9%   |   |
| 1,4-Dichlorobenzene-d4         | I             | ug/L         | 250        | 10                     |               | 0     | 0         | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5               | I             | ug/L         | 250        | 10                     |               | 0     | 0         | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene                  | I             | ug/L         | 250        | 10                     |               | 0     | 0         | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total                 | M             | ug/L         | 407.73446  | 16.3093784             |               | 15    | 0.0852476 | 15.506506 | 0.0604 | 0.5    | 1500   | 108% | 79  | 121  | 5%   |   |
| 1,2-Dichloroethane-d4          | S             | ug/L         | 283.13107  | 11.3252428             |               | 10    | 0         | 0         | 0.229  | 0.5    | 500    | 113% | 81  | 118  | 0%   |   |
| Dibromofluoromethane           | S             | ug/L         | 273.11605  | 10.924642              |               | 10    | 0         | 0         | 0.129  | 0.5    | 500    | 109% | 80  | 119  | 0%   |   |
| p-Bromofluorobenzene           | S             | ug/L         | 269.28041  | 10.7712164             |               | 10    | 0         | 0         | 0.149  | 0.5    | 500    | 108% | 85  | 114  | 0%   |   |
| Toluene-d8                     | S             | ug/L         | 276.19485  | 11.047794              |               | 10    | 0         | 0         | 0.23   | 0.5    | 500    | 110% | 89  | 112  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971556                  | CCV010522_CI | VOC-8260-W-Q | CCV        | DA5975C\VG010:1/5/2022 | 9:55:17       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,1,1,2-Tetrachloroethane | A            | ug/L         | 118.49712  | 4.7398848              |               | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| 1,1,1-Trichloroethane     | A            | ug/L         | 121.22736  | 4.8490944              |               | 5     | 0        | 0         | 0.131  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| 1,1,2,2-Tetrachloroethane | A            | ug/L         | 119.79308  | 4.7917232              |               | 5     | 0        | 0         | 0.0872 | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| 1,1,2-Trichloroethane     | A            | ug/L         | 115.36074  | 4.6144296              |               | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 92%  | 50  | 150  | 0%   |   |
| 1,1-Dichloroethane        | A            | ug/L         | 122.22572  | 4.8890288              |               | 5     | 0        | 0         | 0.135  | 0.5    | 500    | 98%  | 50  | 150  | 0%   |   |
| 1,1-Dichloroethene        | A            | ug/L         | 120.16154  | 4.8064616              |               | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| 1,1-Dichloropropene       | A            | ug/L         | 121.57324  | 4.8629296              |               | 5     | 0        | 0         | 0.083  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| 1,2,3-Trichloropropane    | A            | ug/L         | 110.61728  | 4.4246912              |               | 5     | 0        | 0         | 0.235  | 0.5    | 500    | 88%  | 50  | 150  | 0%   |   |
| 1,2-Dibromoethane         | A            | ug/L         | 114.75493  | 4.5901972              |               | 5     | 0        | 0         | 0.0916 | 0.5    | 500    | 92%  | 50  | 150  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971556                       | CCV010522_CI | VOC-8260-W-Q | CCV        | DA5975C\VG010:1/5/2022 | 9:55:17       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 1,2-Dichlorobenzene            | A            | ug/L         | 118.57342  | 4.7429368              |               | 5     | 0        | 0         | 0.0746 | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| 1,2-Dichloroethane             | A            | ug/L         | 119.94088  | 4.7976352              |               | 5     | 0        | 0         | 0.116  | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| 1,2-Dichloropropane            | A            | ug/L         | 115.63029  | 4.6252116              |               | 5     | 0        | 0         | 0.0847 | 0.5    | 500    | 93%  | 50  | 150  | 0%   |   |
| 1,3-Dichlorobenzene            | A            | ug/L         | 121.04602  | 4.8418408              |               | 5     | 0        | 0         | 0.0803 | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| 1,3-Dichloropropane            | A            | ug/L         | 118.36911  | 4.7347644              |               | 5     | 0        | 0         | 0.0791 | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| 1,4-Dichlorobenzene            | A            | ug/L         | 117.19516  | 4.6878064              |               | 5     | 0        | 0         | 0.0858 | 0.5    | 500    | 94%  | 50  | 150  | 0%   |   |
| 2,2-Dichloropropane            | A            | ug/L         | 119.01241  | 4.7604964              |               | 5     | 0        | 0         | 0.186  | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| 2-Chlorotoluene                | A            | ug/L         | 125.61814  | 5.0247256              |               | 5     | 0        | 0         | 0.0876 | 0.5    | 500    | 100% | 50  | 150  | 0%   |   |
| 4-Chlorotoluene                | A            | ug/L         | 125.36003  | 5.0144012              |               | 5     | 0        | 0         | 0.0728 | 0.5    | 500    | 100% | 50  | 150  | 0%   |   |
| Benzene                        | A            | ug/L         | 122.53031  | 4.9012124              |               | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 98%  | 50  | 150  | 0%   |   |
| Bromobenzene                   | A            | ug/L         | 124.30294  | 4.9721176              |               | 5     | 0        | 0         | 0.0831 | 0.5    | 500    | 99%  | 50  | 150  | 0%   |   |
| Bromochloromethane             | A            | ug/L         | 120.31319  | 4.8125276              |               | 5     | 0        | 0         | 0.141  | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| Bromodichloromethane           | A            | ug/L         | 119.0304   | 4.761216               |               | 5     | 0        | 0         | 0.12   | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| Bromoform                      | A            | ug/L         | 121.44048  | 4.8576192              |               | 5     | 0        | 0         | 0.119  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| Bromomethane                   | A            | ug/L         | 123.70271  | 4.9481084              |               | 5     | 0        | 0         | 0.253  | 0.5    | 500    | 99%  | 50  | 150  | 0%   |   |
| Carbon tetrachloride           | A            | ug/L         | 121.82703  | 4.8730812              |               | 5     | 0        | 0         | 0.143  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| Chlorobenzene                  | A            | ug/L         | 120.60357  | 4.8241428              |               | 5     | 0        | 0         | 0.0914 | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| Chlorodibromomethane           | A            | ug/L         | 118.11044  | 4.7244176              |               | 5     | 0        | 0         | 0.0841 | 0.5    | 500    | 94%  | 50  | 150  | 0%   |   |
| Chloroethane                   | A            | ug/L         | 110.53218  | 4.4212872              |               | 5     | 0        | 0         | 0.169  | 0.5    | 500    | 88%  | 50  | 150  | 0%   |   |
| Chloroform                     | A            | ug/L         | 116.26028  | 4.6504112              |               | 5     | 0        | 0         | 0.0789 | 0.5    | 500    | 93%  | 50  | 150  | 0%   |   |
| Chloromethane                  | A            | ug/L         | 117.04699  | 4.6818796              |               | 5     | 0        | 0         | 0.162  | 0.5    | 500    | 94%  | 50  | 150  | 0%   |   |
| cis-1,2-Dichloroethene         | A            | ug/L         | 121.6867   | 4.867468               |               | 5     | 0        | 0         | 0.108  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| cis-1,3-Dichloropropene        | A            | ug/L         | 113.32001  | 4.5328004              |               | 5     | 0        | 0         | 0.073  | 0.5    | 500    | 91%  | 50  | 150  | 0%   |   |
| Dibromomethane                 | A            | ug/L         | 118.13357  | 4.7253428              |               | 5     | 0        | 0         | 0.147  | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| Dichlorodifluoromethane        | A            | ug/L         | 120.80768  | 4.8323072              |               | 5     | 0        | 0         | 0.175  | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| Ethylbenzene                   | A            | ug/L         | 120.81542  | 4.8326168              |               | 5     | 0        | 0         | 0.0836 | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| m+p-Xylenes                    | A            | ug/L         | 251.01571  | 10.0406284             |               | 10    | 0        | 0         | 0.15   | 0.5    | 1000   | 100% | 50  | 150  | 0%   |   |
| Methyl ethyl ketone            | A            | ug/L         | 1129.33406 | 45.1733624             |               | 50    | 0        | 0         | 1.77   | 10     | 5000   | 90%  | 50  | 150  | 0%   |   |
| Methyl tert-butyl ether (MTBE) | A            | ug/L         | 117.72622  | 4.7090488              |               | 5     | 0        | 0         | 0.101  | 0.5    | 500    | 94%  | 50  | 150  | 0%   |   |
| Methylene chloride             | A            | ug/L         | 112.74658  | 4.5098632              |               | 5     | 0        | 0         | 0.338  | 0.5    | 500    | 90%  | 50  | 150  | 0%   |   |
| o-Xylene                       | A            | ug/L         | 123.05663  | 4.9222652              |               | 5     | 0        | 0         | 0.0604 | 0.5    | 500    | 98%  | 50  | 150  | 0%   |   |
| Styrene                        | A            | ug/L         | 126.92772  | 5.0771088              |               | 5     | 0        | 0         | 0.067  | 0.5    | 500    | 102% | 50  | 150  | 0%   |   |
| Tetrachloroethene              | A            | ug/L         | 119.13237  | 4.7652948              |               | 5     | 0        | 0         | 0.0671 | 0.5    | 500    | 95%  | 50  | 150  | 0%   |   |
| Toluene                        | A            | ug/L         | 121.81649  | 4.8726596              |               | 5     | 0        | 0         | 0.0679 | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| trans-1,2-Dichloroethene       | A            | ug/L         | 122.59387  | 4.9037548              |               | 5     | 0        | 0         | 0.125  | 0.5    | 500    | 98%  | 50  | 150  | 0%   |   |

| Seq No                    | Lab ID       | Test Code    | Sample Typ | File ID                | Analysis Date | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------------------|--------------|--------------|------------|------------------------|---------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14971556                  | CCV010522_CI | VOC-8260-W-Q | CCV        | DA5975C\VG010:1/5/2022 | 9:55:17       | 1     | R372966  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte                   | T            | Units        | RAW        | Final                  | Text          | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| trans-1,3-Dichloropropene | A            | ug/L         | 119.58825  | 4.78353                |               | 5     | 0        | 0         | 0.0846 | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| Trichloroethene           | A            | ug/L         | 121.06211  | 4.8424844              |               | 5     | 0        | 0         | 0.0993 | 0.5    | 500    | 97%  | 50  | 150  | 0%   |   |
| Trichlorofluoromethane    | A            | ug/L         | 122.98084  | 4.9192336              |               | 5     | 0        | 0         | 0.134  | 0.5    | 500    | 98%  | 50  | 150  | 0%   |   |
| Vinyl chloride            | A            | ug/L         | 119.38078  | 4.7752312              |               | 5     | 0        | 0         | 0.153  | 0.5    | 500    | 96%  | 50  | 150  | 0%   |   |
| 1,4-Dichlorobenzene-d4    | I            | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Chlorobenzene-d5          | I            | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Fluorobenzene             | I            | ug/L         | 250        | 10                     |               | 0     | 0        | 0         | 0      | 0      | 500    | 0%   | 0   | 0    | 0%   |   |
| Xylenes, Total            | M            | ug/L         | 374.07234  | 14.9628936             |               | 15    | 0        | 0         | 0.0604 | 0.5    | 1500   | 100% | 50  | 150  | 0%   |   |
| 1,2-Dichloroethane-d4     | S            | ug/L         | 278.44117  | 11.1376468             |               | 10    | 0        | 0         | 0.229  | 0.5    | 500    | 111% | 50  | 150  | 0%   |   |
| Dibromofluoromethane      | S            | ug/L         | 270.98246  | 10.8392984             |               | 10    | 0        | 0         | 0.129  | 0.5    | 500    | 108% | 50  | 150  | 0%   |   |
| p-Bromofluorobenzene      | S            | ug/L         | 266.37534  | 10.6550136             |               | 10    | 0        | 0         | 0.149  | 0.5    | 500    | 107% | 50  | 150  | 0%   |   |
| Toluene-d8                | S            | ug/L         | 275.15042  | 11.0060168             |               | 10    | 0        | 0         | 0.23   | 0.5    | 500    | 110% | 50  | 150  | 0%   |   |



DATAFILE HEADERS FROM C:\MSDCHEM\1\DATA\VG010522

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN01.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 5 Jan 2022 9:22 am  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 1

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN02.D  
Sample Name : BFB010522\_  
Operator : MSC  
Date injected : 5 Jan 2022 9:49 am  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 2

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN03.D  
Sample Name : CCV010522\_  
Operator : MSC  
Date injected : 5 Jan 2022 10:28 am  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 3

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN04.D  
Sample Name : LCS010522\_  
Operator : MSC  
Date injected : 5 Jan 2022 11:27 am  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 4

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN05.D

Sample Name : BLK  
Operator : MSC  
Date injected : 5 Jan 2022 11:54 am  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 5

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN06.D  
Sample Name : MBLK010522\_  
Operator : MSC  
Date injected : 5 Jan 2022 12:21 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 6

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN07.D  
Sample Name : B22010002-004A  
Operator : MSC  
Date injected : 5 Jan 2022 12:49 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 7

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN08.D  
Sample Name : B22010096-002A  
Operator : MSC  
Date injected : 5 Jan 2022 1:16 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 8

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN09.D  
Sample Name : B22010120-002A  
Operator : MSC  
Date injected : 5 Jan 2022 1:43 pm

Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 9

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN10.D  
Sample Name : B22010134-002A  
Operator : MSC  
Date injected : 5 Jan 2022 2:11 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 10

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN11.D  
Sample Name : B22010141-002A  
Operator : MSC  
Date injected : 5 Jan 2022 2:38 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 11

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN12.D  
Sample Name : B22010142-002A  
Operator : MSC  
Date injected : 5 Jan 2022 3:05 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 12

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN13.D  
Sample Name : B22010143-002A  
Operator : MSC  
Date injected : 5 Jan 2022 3:33 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616

Start Time : 0.840  
End Time : 16.498  
Vial Number : 13

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN14.D  
Sample Name : B22010002-001F  
Operator : MSC  
Date injected : 5 Jan 2022 4:00 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 14

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN15.D  
Sample Name : B22010002-002F  
Operator : MSC  
Date injected : 5 Jan 2022 4:27 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 15

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN16.D  
Sample Name : B22010002-003C  
Operator : MSC  
Date injected : 5 Jan 2022 4:55 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 16

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN17.D  
Sample Name : B22010096-001F  
Operator : MSC  
Date injected : 5 Jan 2022 5:22 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 17

-----  
Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN18.D  
Sample Name : B22010120-001F  
Operator : MSC  
Date injected : 5 Jan 2022 5:49 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 18  
-----

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN19.D  
Sample Name : B22010134-001F  
Operator : MSC  
Date injected : 5 Jan 2022 6:16 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 19  
-----

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN20.D  
Sample Name : B22010141-001F  
Operator : MSC  
Date injected : 5 Jan 2022 6:44 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 20  
-----

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN21.D  
Sample Name : B22010142-001F  
Operator : MSC  
Date injected : 5 Jan 2022 7:11 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 21  
-----

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN22.D

Sample Name : B22010143-001F  
Operator : MSC  
Date injected : 5 Jan 2022 7:38 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 22

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN23.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 5 Jan 2022 8:06 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 23

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN24.D  
Sample Name : B22010002-001FMS  
Operator : MSC  
Date injected : 5 Jan 2022 8:33 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 24

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN25.D  
Sample Name : B22010002-001FMSD  
Operator : MSC  
Date injected : 5 Jan 2022 9:00 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 25

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN26.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 5 Jan 2022 9:27 pm

Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 26

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN27.D  
Sample Name : CCV010522\_Closing  
Operator : MSC  
Date injected : 5 Jan 2022 9:55 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 27

---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN28.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 5 Jan 2022 10:22 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.839  
End Time : 16.498  
Vial Number : 28

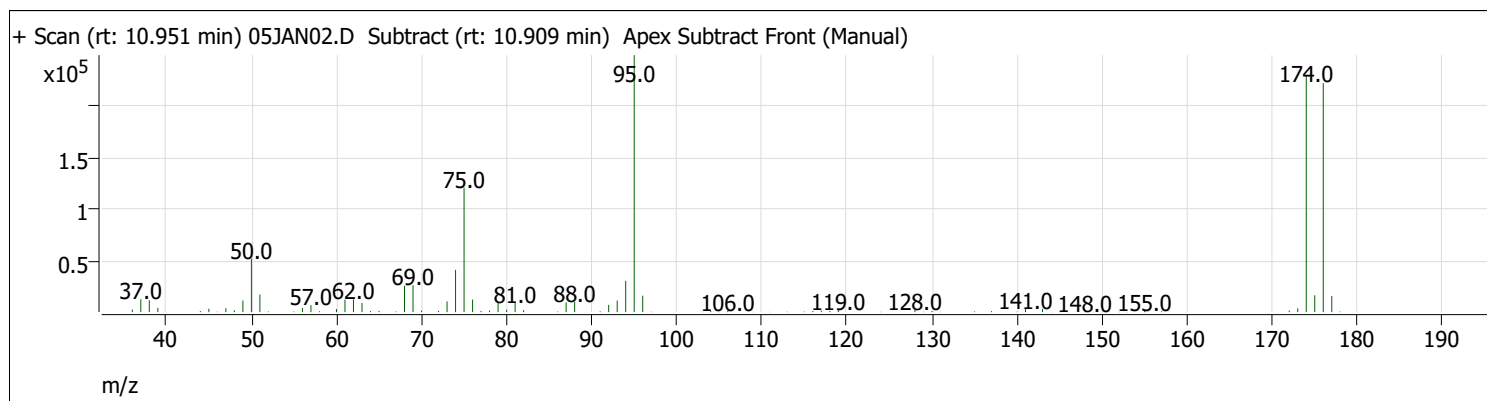
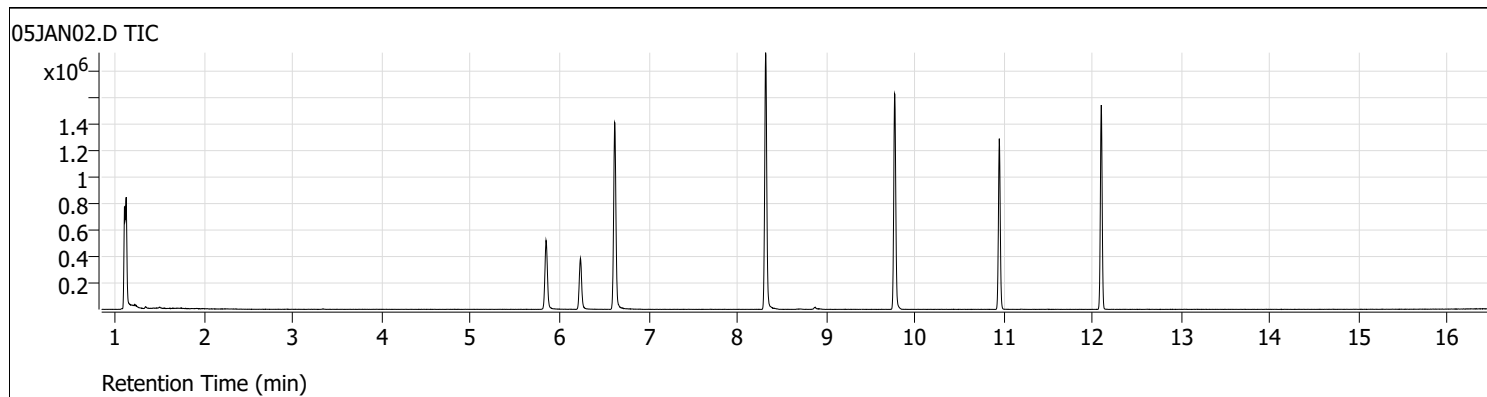
---

Data file Name : C:\MSDCHEM\1\DATA\VG010522\05JAN29.D  
Sample Name : BLK  
Operator : MSC  
Date injected : 5 Jan 2022 10:49 pm  
Instrument : VOA5975C  
Method used : 5975CACQF  
No of spectra : 5616  
Start Time : 0.840  
End Time : 16.498  
Vial Number : 29

---

# Tune Evaluation Report

Data Path: D:\Org\Data\VOA5975C\VG010522\05JAN02.D  
 Acq on: 1/5/2022 9:49:06 AM  
 Operator: MSC  
 Sample: BFB010522\_  
 Inst Name: VOA5975C  
 ALS Vial: 2  
 Method: \\MASSHUNTER\Org\Data\Methods\BFBapex.m



| Target Mass | Rel. To Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|-----------|
| 50          | 95           | 15           | 40           | 20.8      | 51832   | Pass      |
| 75          | 95           | 30           | 60           | 48.4      | 120952  | Pass      |
| 95          | 95           | 100          | 100          | 100.0     | 249664  | Pass      |
| 96          | 95           | 5            | 9            | 6.4       | 15975   | Pass      |
| 173         | 174          | 0            | 2            | 1.6       | 3650    | Pass      |
| 174         | 95           | 50           | 100          | 92.0      | 229696  | Pass      |
| 175         | 174          | 5            | 9            | 7.2       | 16424   | Pass      |
| 176         | 174          | 95           | 101          | 96.9      | 222464  | Pass      |
| 177         | 176          | 5            | 9            | 7.1       | 15712   | Pass      |



# Continuing Calibration Report

**Batch Name** D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522\_8260B.batch.bin  
**Method File** \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C\_010422\_CAL\VOA5975C\_8260B\_SHT\_DoD\_L4\_010422.m  
**Daily CC** D:\Org\Data\VOA5975C\VG01052205JAN03.D

| Level name | Injection Time       | Calibration Files                              |
|------------|----------------------|--|
| 1          | 1/4/2022 3:33:04 PM  | D:\Org\Data\VOA5975C\VG010422\04JAN10.D        |
| 2          | 1/4/2022 4:00:35 PM  | D:\Org\Data\VOA5975C\VG010422\04JAN11.D        |
| 3          | 1/4/2022 4:28:05 PM  | D:\Org\Data\VOA5975C\VG010422\04JAN12.D        |
| 4          | 1/4/2022 4:55:32 PM  | D:\Org\Data\VOA5975C\VG010422\04JAN13.D        |
| 5          | 1/4/2022 5:50:25 PM  | D:\Org\Data\VOA5975C\VG010422\04JAN15.D        |
| 6          | 1/4/2022 6:45:10 PM  | D:\Org\Data\VOA5975C\VG010422\04JAN17.D        |
| 7          | 1/4/2022 7:39:45 PM  | D:\Org\Data\VOA5975C\VG010422\04JAN19.D        |
| 8          | 1/4/2022 8:34:31 PM  | D:\Org\Data\VOA5975C\VG010422\04JAN21.D        |
| CC         | 1/5/2022 10:28:43 AM | D:\Org\Data\VOA5975C\VG010522\05JAN03.D <===== |

| ISTD Compound:         | Avg Resp | Mid Resp | CC Resp | Area% | A/M |
|------------------------|----------|----------|---------|-------|-----|
| Fluorobenzene          | 805964   | 778120   | 758322  | 97.46 | M   |
| Chlorobenzene-d5       | 305684   | 300356   | 289518  | 96.39 | M   |
| 1,4-Dichlorobenzene-d4 | 252451   | 248636   | 242905  | 97.70 | M   |

| Target Compound                | AvgRF/R2 | CC RF    | Exp. Conc | Calc. Conc | %Dev   | Area%  | Curve Fit |
|--------------------------------|----------|----------|-----------|------------|--------|--------|-----------|
| -----ISTD-----                 |          |          |           |            |        |        |           |
| Dichlorodifluoromethane        | 0.3276   | 0.3188   | 125.00    | 121.64     | 2.69   | 87.63  | Avg RF    |
| Chloromethane                  | 0.3976   | 0.3861   | 125.00    | 121.37     | 2.90   | 91.15  | Avg RF    |
| Vinyl chloride                 | 0.3578   | 0.3552   | 125.00    | 124.08     | 0.73   | 90.77  | Avg RF    |
| Bromomethane                   | 0.1600   | 0.1673   | 125.00    | 130.74     | -4.59  | 97.37  | Avg RF    |
| Chloroethane                   | 0.1771   | 0.1718   | 125.00    | 121.25     | 3.00   | 91.21  | Avg RF    |
| Trichlorofluoromethane         | 0.4441   | 0.4419   | 125.00    | 124.38     | 0.49   | 88.74  | Avg RF    |
| 1,1-Dichloroethene             | 0.2518   | 0.2602   | 125.00    | 129.18     | -3.34  | 99.23  | Avg RF    |
| Methylene chloride             | 0.3712   | 0.3763   | 125.00    | 126.70     | -1.36  | 105.47 | Avg RF    |
| trans-1,2-Dichloroethene       | 0.2569   | 0.2719   | 125.00    | 132.27     | -5.82  | 102.66 | Avg RF    |
| Methyl tert-butyl ether (MTBE) | 0.3321   | 0.3450   | 125.00    | 129.87     | -3.90  | 94.07  | Avg RF    |
| 1,1-Dichloroethane             | 0.4782   | 0.5253   | 125.00    | 137.31     | -9.85  | 107.06 | Avg RF    |
| 2,2-Dichloropropane            | 0.3583   | 0.3831   | 125.00    | 133.65     | -6.92  | 104.02 | Avg RF    |
| cis-1,2-Dichloroethene         | 0.2605   | 0.2863   | 125.00    | 137.39     | -9.91  | 108.49 | Avg RF    |
| Methyl ethyl ketone            | 0.0353   | 0.0362 # | 1250.00   | 1283.80    | -2.70  | 101.98 | Avg RF    |
| Bromochloromethane             | 0.1079   | 0.1215   | 125.00    | 140.79     | -12.63 | 109.81 | Avg RF    |
| Chloroform                     | 0.4759   | 0.4899   | 125.00    | 128.66     | -2.93  | 103.39 | Avg RF    |
| 1,1,1-Trichloroethane          | 0.4460   | 0.4612   | 125.00    | 129.27     | -3.41  | 100.39 | Avg RF    |
| Dibromofluoromethane           | 0.2355   | 0.2654   | 250.00    | 281.66     | -12.67 | 225.32 | Avg RF    |
| Carbon tetrachloride           | 0.4394   | 0.4508   | 125.00    | 128.23     | -2.58  | 98.84  | Avg RF    |
| 1,1-Dichloropropene            | 0.3792   | 0.3963   | 125.00    | 130.64     | -4.51  | 100.42 | Avg RF    |
| 1,2-Dichloroethane-d4          | 0.1017   | 0.1183   | 250.00    | 290.73     | -16.29 | 229.53 | Avg RF    |
| Benzene                        | 0.9954   | 1.0777   | 125.00    | 135.33     | -8.26  | 106.55 | Avg RF    |
| 1,2-Dichloroethane             | 0.2693   | 0.2909   | 125.00    | 135.04     | -8.03  | 105.19 | Avg RF    |
| -----ISTD-----                 |          |          |           |            |        |        |           |
| Chlorobenzene-d5               | 0.7540   | 0.7933   | 125.00    | 131.53     | -5.22  | 100.63 | Avg RF    |
| Trichloroethene                | 0.6632   | 0.7231   | 125.00    | 136.30     | -9.04  | 105.54 | Avg RF    |
| 1,2-Dichloropropane            | 0.2803   | 0.3053   | 125.00    | 136.15     | -8.92  | 108.77 | Avg RF    |
| Dibromomethane                 | 0.7735   | 0.8310   | 125.00    | 134.30     | -7.44  | 104.00 | Avg RF    |
| Bromodichloromethane           | 0.8745   | 0.9229   | 125.00    | 131.92     | -5.54  | 103.23 | Avg RF    |
| cis-1,3-Dichloropropene        | 2.4091   | 2.6773   | 250.00    | 277.83     | -11.13 | 216.40 | Avg RF    |
| Toluene-d8                     | 1.6274   | 1.7767   | 125.00    | 136.47     | -9.18  | 105.10 | Avg RF    |
| Toluene                        | 0.6225   | 0.7254   | 125.00    | 145.67     | -16.53 | 113.26 | Avg RF    |
| trans-1,3-Dichloropropene      | 0.3242   | 0.3608   | 125.00    | 139.08     | -11.27 | 111.90 | Avg RF    |
| 1,1,2-Trichloroethane          | 0.6639   | 0.6868   | 125.00    | 129.31     | -3.45  | 101.88 | Avg RF    |
| Tetrachloroethene              |          |          |           |            |        |        |           |

# Continuing Calibration Report

| Target Compound           | AvgRF/R2       | CC RF  | Exp. Conc | Calc. Conc | %Dev   | Area%  | Curve Fit |
|---------------------------|----------------|--------|-----------|------------|--------|--------|-----------|
| 1,3-Dichloropropane       | 0.6378         | 0.7168 | 125.00    | 140.48     | -12.39 | 107.88 | Avg RF    |
| Chlorodibromomethane      | 0.5068         | 0.5640 | 125.00    | 139.12     | -11.30 | 108.84 | Avg RF    |
| 1,2-Dibromoethane         | 0.3545         | 0.3884 | 125.00    | 136.93     | -9.55  | 108.48 | Avg RF    |
| Chlorobenzene             | 1.7817         | 1.8910 | 125.00    | 132.67     | -6.14  | 103.84 | Avg RF    |
| 1,1,1,2-Tetrachloroethane | 0.6228         | 0.6652 | 125.00    | 133.51     | -6.81  | 105.93 | Avg RF    |
| Ethylbenzene              | 3.0900         | 3.2737 | 125.00    | 132.43     | -5.95  | 102.10 | Avg RF    |
| m+p-Xylenes               | 1.2008         | 1.2890 | 250.00    | 268.37     | -7.35  | 101.30 | Avg RF    |
| o-Xylene                  | 1.0690         | 1.1451 | 125.00    | 133.90     | -7.12  | 102.64 | Avg RF    |
| Styrene                   | 1.7211         | 1.9345 | 125.00    | 140.50     | -12.40 | 104.35 | Avg RF    |
| 1,4-Dichlorobenzene-d4    | -----ISTD----- |        |           |            |        |        |           |
| Bromoform                 | 0.3199         | 0.3590 | 125.00    | 140.27     | -12.21 | 111.32 | Avg RF    |
| p-Bromofluorobenzene      | 0.9159         | 0.9772 | 250.00    | 266.74     | -6.70  | 207.73 | Avg RF    |
| Bromobenzene              | 0.8091         | 0.8723 | 125.00    | 134.77     | -7.82  | 103.60 | Avg RF    |
| 1,1,2,2-Tetrachloroethane | 0.4657         | 0.5225 | 125.00    | 140.25     | -12.20 | 111.41 | Avg RF    |
| 1,2,3-Trichloropropane    | 0.1246         | 0.1415 | 125.00    | 141.96     | -13.57 | 51.90  | Avg RF    |
| 2-Chlorotoluene           | 0.8050         | 0.8513 | 125.00    | 132.18     | -5.75  | 100.94 | Avg RF    |
| 4-Chlorotoluene           | 2.6247         | 2.8655 | 125.00    | 136.47     | -9.17  | 103.53 | Avg RF    |
| 1,3-Dichlorobenzene       | 1.4756         | 1.5333 | 125.00    | 129.89     | -3.91  | 101.54 | Avg RF    |
| 1,4-Dichlorobenzene       | 1.5046         | 1.5813 | 125.00    | 131.37     | -5.10  | 101.59 | Avg RF    |
| 1,2-Dichlorobenzene       | 1.2470         | 1.2845 | 125.00    | 128.76     | -3.00  | 102.44 | Avg RF    |

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

# Continuing Calibration Report

**Batch Name** D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522\_8260B.batch.bin  
**Method File** \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C\_010422\_CAL\VOA5975C\_8260B\_SHT\_DoD\_L4\_010422.m  
**Daily CC** D:\Org\Data\VOA5975C\VG01052205JAN27.D

| Level name | Injection Time      | Calibration Files                              |
|------------|---------------------|--|
| 1          | 1/4/2022 3:33:04 PM | D:\Org\Data\VOA5975C\VG010422\04JAN10.D        |
| 2          | 1/4/2022 4:00:35 PM | D:\Org\Data\VOA5975C\VG010422\04JAN11.D        |
| 3          | 1/4/2022 4:28:05 PM | D:\Org\Data\VOA5975C\VG010422\04JAN12.D        |
| 4          | 1/4/2022 4:55:32 PM | D:\Org\Data\VOA5975C\VG010422\04JAN13.D        |
| 5          | 1/4/2022 5:50:25 PM | D:\Org\Data\VOA5975C\VG010422\04JAN15.D        |
| 6          | 1/4/2022 6:45:10 PM | D:\Org\Data\VOA5975C\VG010422\04JAN17.D        |
| 7          | 1/4/2022 7:39:45 PM | D:\Org\Data\VOA5975C\VG010422\04JAN19.D        |
| 8          | 1/4/2022 8:34:31 PM | D:\Org\Data\VOA5975C\VG010422\04JAN21.D        |
| CC         | 1/5/2022 9:55:17 PM | D:\Org\Data\VOA5975C\VG010522\05JAN27.D <===== |

| ISTD Compound:         | Avg Resp | Mid Resp | CC Resp | Area%  | A/M |
|------------------------|----------|----------|---------|--------|-----|
| Fluorobenzene          | 805964   | 778120   | 792987  | 101.91 | M   |
| Chlorobenzene-d5       | 305684   | 300356   | 303776  | 101.14 | M   |
| 1,4-Dichlorobenzene-d4 | 252451   | 248636   | 251051  | 100.97 | M   |

| Target Compound                | AvgRF/R2 | CC RF    | Exp. Conc | Calc. Conc | %Dev   | Area%  | Curve Fit |
|--------------------------------|----------|----------|-----------|------------|--------|--------|-----------|
| -----ISTD-----                 |          |          |           |            |        |        |           |
| Dichlorodifluoromethane        | 0.3276   | 0.3166   | 125.00    | 120.81     | 3.35   | 91.01  | Avg RF    |
| Chloromethane                  | 0.3976   | 0.3723   | 125.00    | 117.05     | 6.36   | 91.92  | Avg RF    |
| Vinyl chloride                 | 0.3578   | 0.3417   | 125.00    | 119.38     | 4.50   | 91.32  | Avg RF    |
| Bromomethane                   | 0.1600   | 0.1583   | 125.00    | 123.70     | 1.04   | 96.34  | Avg RF    |
| Chloroethane                   | 0.1771   | 0.1566   | 125.00    | 110.53     | 11.57  | 86.95  | Avg RF    |
| Trichlorofluoromethane         | 0.4441   | 0.4369   | 125.00    | 122.98     | 1.62   | 91.75  | Avg RF    |
| 1,1-Dichloroethene             | 0.2518   | 0.2421   | 125.00    | 120.16     | 3.87   | 96.52  | Avg RF    |
| Methylene chloride             | 0.3712   | 0.3348   | 125.00    | 112.75     | 9.80   | 98.14  | Avg RF    |
| trans-1,2-Dichloroethene       | 0.2569   | 0.2520   | 125.00    | 122.59     | 1.92   | 99.50  | Avg RF    |
| Methyl tert-butyl ether (MTBE) | 0.3321   | 0.3128   | 125.00    | 117.73     | 5.82   | 89.17  | Avg RF    |
| 1,1-Dichloroethane             | 0.4782   | 0.4676   | 125.00    | 122.23     | 2.22   | 99.65  | Avg RF    |
| 2,2-Dichloropropane            | 0.3583   | 0.3412   | 125.00    | 119.01     | 4.79   | 96.86  | Avg RF    |
| cis-1,2-Dichloroethene         | 0.2605   | 0.2536   | 125.00    | 121.69     | 2.65   | 100.48 | Avg RF    |
| Methyl ethyl ketone            | 0.0353   | 0.0319 # | 1250.00   | 1129.33    | 9.65   | 93.81  | Avg RF    |
| Bromochloromethane             | 0.1079   | 0.1039   | 125.00    | 120.31     | 3.75   | 98.13  | Avg RF    |
| Chloroform                     | 0.4759   | 0.4426   | 125.00    | 116.26     | 6.99   | 97.70  | Avg RF    |
| 1,1,1-Trichloroethane          | 0.4460   | 0.4326   | 125.00    | 121.23     | 3.02   | 98.45  | Avg RF    |
| Dibromofluoromethane           | 0.2355   | 0.2553   | 250.00    | 270.98     | -8.39  | 226.68 | Avg RF    |
| Carbon tetrachloride           | 0.4394   | 0.4283   | 125.00    | 121.83     | 2.54   | 98.20  | Avg RF    |
| 1,1-Dichloropropene            | 0.3792   | 0.3688   | 125.00    | 121.57     | 2.74   | 97.72  | Avg RF    |
| 1,2-Dichloroethane-d4          | 0.1017   | 0.1133   | 250.00    | 278.44     | -11.38 | 229.87 | Avg RF    |
| Benzene                        | 0.9954   | 0.9757   | 125.00    | 122.53     | 1.98   | 100.89 | Avg RF    |
| 1,2-Dichloroethane             | 0.2693   | 0.2584   | 125.00    | 119.94     | 4.05   | 97.70  | Avg RF    |
| -----ISTD-----                 |          |          |           |            |        |        |           |
| Chlorobenzene-d5               |          |          |           |            |        |        |           |
| Trichloroethene                | 0.7540   | 0.7302   | 125.00    | 121.06     | 3.15   | 97.19  | Avg RF    |
| 1,2-Dichloropropane            | 0.6632   | 0.6135   | 125.00    | 115.63     | 7.50   | 93.95  | Avg RF    |
| Dibromomethane                 | 0.2803   | 0.2649   | 125.00    | 118.13     | 5.49   | 99.02  | Avg RF    |
| Bromodichloromethane           | 0.7735   | 0.7365   | 125.00    | 119.03     | 4.78   | 96.72  | Avg RF    |
| cis-1,3-Dichloropropene        | 0.8745   | 0.7928   | 125.00    | 113.32     | 9.34   | 93.05  | Avg RF    |
| Toluene-d8                     | 2.4091   | 2.6515   | 250.00    | 275.15     | -10.06 | 224.87 | Avg RF    |
| Toluene                        | 1.6274   | 1.5859   | 125.00    | 121.82     | 2.55   | 98.43  | Avg RF    |
| trans-1,3-Dichloropropene      | 0.6225   | 0.5956   | 125.00    | 119.59     | 4.33   | 97.56  | Avg RF    |
| 1,1,2-Trichloroethane          | 0.3242   | 0.2992   | 125.00    | 115.36     | 7.71   | 97.38  | Avg RF    |
| Tetrachloroethene              | 0.6639   | 0.6327   | 125.00    | 119.13     | 4.69   | 98.48  | Avg RF    |

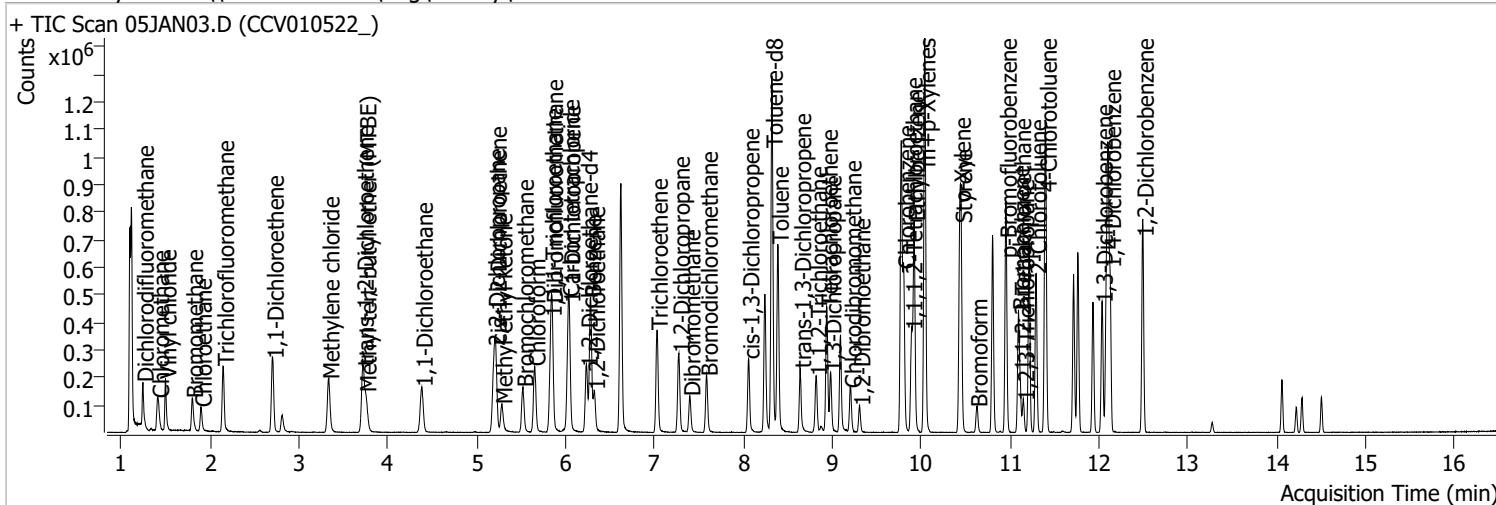
# Continuing Calibration Report

| Target Compound           | AvgRF/R2       | CC RF  | Exp. Conc | Calc. Conc | %Dev  | Area%  | Curve Fit |
|---------------------------|----------------|--------|-----------|------------|-------|--------|-----------|
| 1,3-Dichloropropane       | 0.6378         | 0.6039 | 125.00    | 118.37     | 5.30  | 95.37  | Avg RF    |
| Chlorodibromomethane      | 0.5068         | 0.4788 | 125.00    | 118.11     | 5.51  | 96.95  | Avg RF    |
| 1,2-Dibromoethane         | 0.3545         | 0.3255 | 125.00    | 114.75     | 8.20  | 95.39  | Avg RF    |
| Chlorobenzene             | 1.7817         | 1.7190 | 125.00    | 120.60     | 3.52  | 99.04  | Avg RF    |
| 1,1,1,2-Tetrachloroethane | 0.6228         | 0.5904 | 125.00    | 118.50     | 5.20  | 98.65  | Avg RF    |
| Ethylbenzene              | 3.0900         | 2.9865 | 125.00    | 120.82     | 3.35  | 97.73  | Avg RF    |
| m+p-Xylenes               | 1.2008         | 1.2057 | 250.00    | 251.02     | -0.41 | 99.41  | Avg RF    |
| o-Xylene                  | 1.0690         | 1.0524 | 125.00    | 123.06     | 1.55  | 98.97  | Avg RF    |
| Styrene                   | 1.7211         | 1.7476 | 125.00    | 126.93     | -1.54 | 98.91  | Avg RF    |
| 1,4-Dichlorobenzene-d4    | -----ISTD----- |        |           |            |       |        |           |
| Bromoform                 | 0.3199         | 0.3108 | 125.00    | 121.44     | 2.85  | 99.61  | Avg RF    |
| p-Bromofluorobenzene      | 0.9159         | 0.9759 | 250.00    | 266.38     | -6.55 | 214.40 | Avg RF    |
| Bromobenzene              | 0.8091         | 0.8046 | 125.00    | 124.30     | 0.56  | 98.76  | Avg RF    |
| 1,1,2,2-Tetrachloroethane | 0.4657         | 0.4463 | 125.00    | 119.79     | 4.17  | 98.35  | Avg RF    |
| 1,2,3-Trichloropropane    | 0.1246         | 0.1103 | 125.00    | 110.62     | 11.51 | 41.80  | Avg RF    |
| 2-Chlorotoluene           | 0.8050         | 0.8090 | 125.00    | 125.62     | -0.49 | 99.15  | Avg RF    |
| 4-Chlorotoluene           | 2.6247         | 2.6323 | 125.00    | 125.36     | -0.29 | 98.30  | Avg RF    |
| 1,3-Dichlorobenzene       | 1.4756         | 1.4289 | 125.00    | 121.05     | 3.16  | 97.80  | Avg RF    |
| 1,4-Dichlorobenzene       | 1.5046         | 1.4106 | 125.00    | 117.20     | 6.24  | 93.67  | Avg RF    |
| 1,2-Dichlorobenzene       | 1.2470         | 1.1829 | 125.00    | 118.57     | 5.14  | 97.51  | Avg RF    |

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN03.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 10:28:43 AM  |
| Sample Name    | CCV010522_                          | Instrument        | VOA5975C              |
| Vial           | 3                                   | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



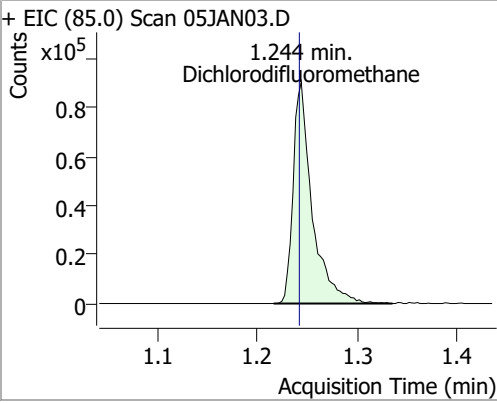
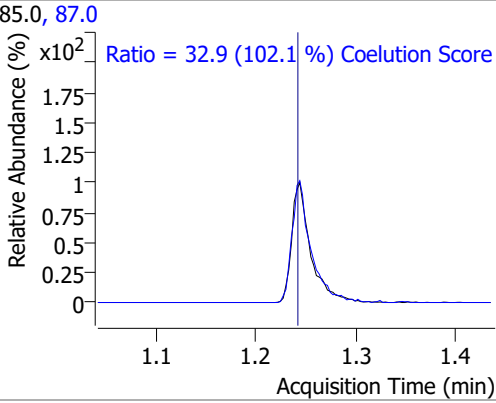
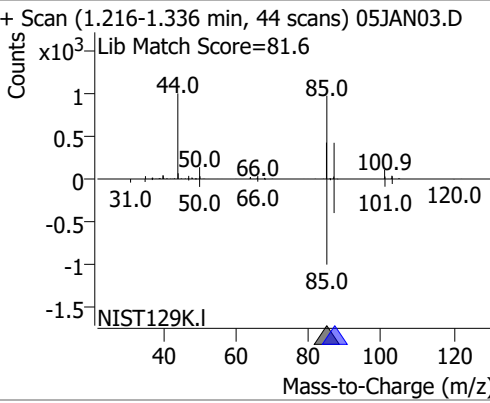
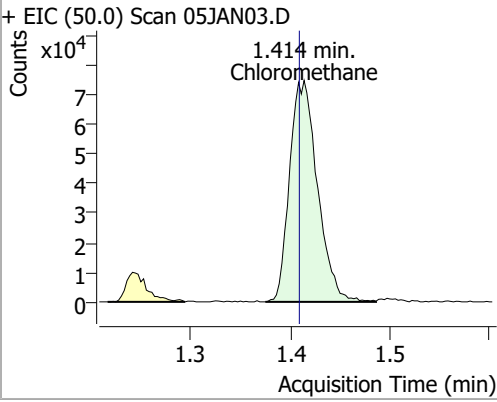
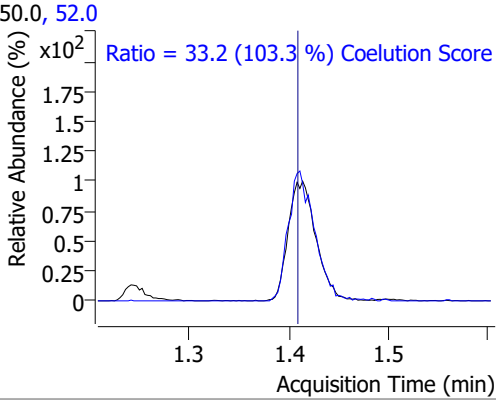
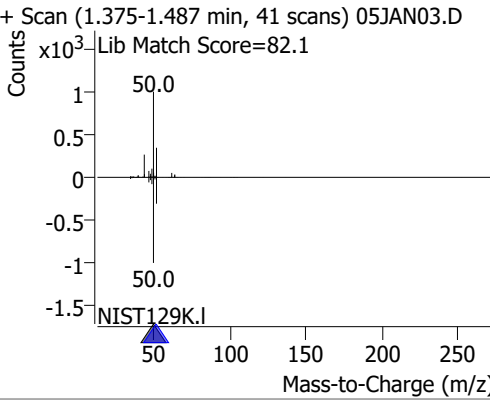
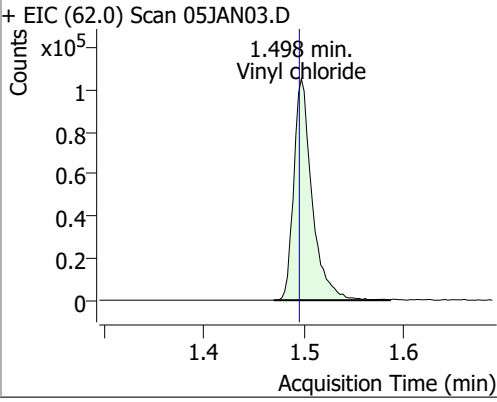
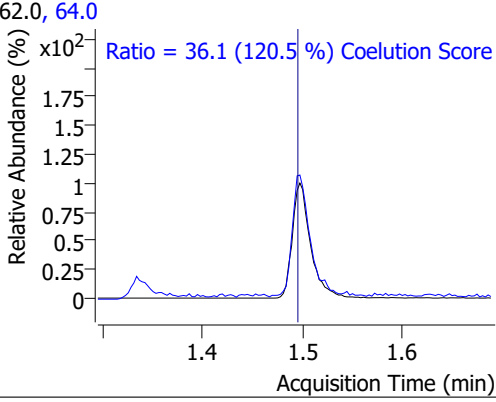
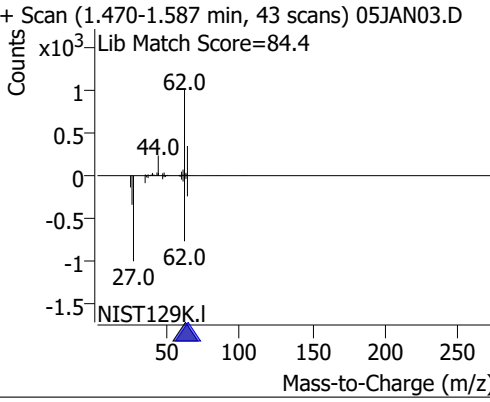
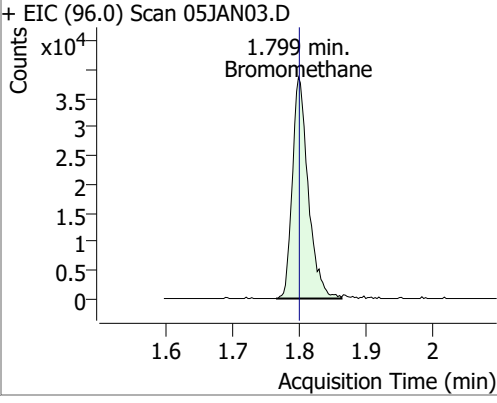
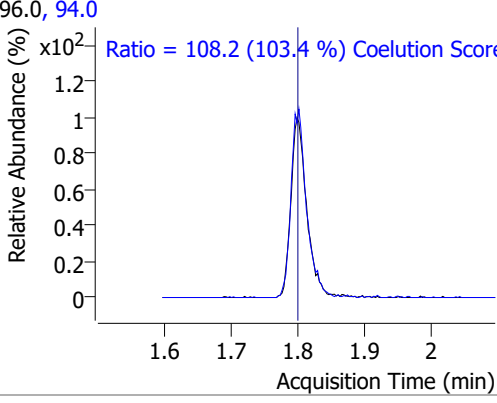
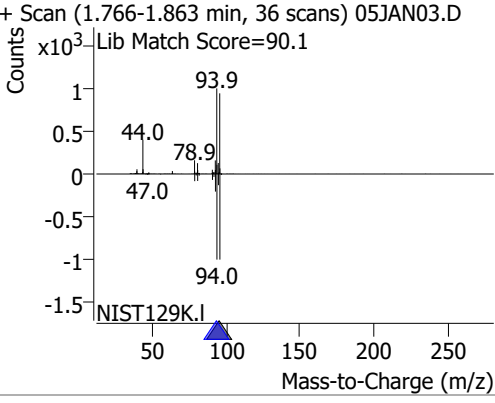
| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.621                | 96.0  | 758322 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 289518 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 242905 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 201225 | 281.6635           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 112.67% |       |          |
| S 1,2-Dichloroethane-d4            | 6.236                | 67.0  | 89713  | 290.7320           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 116.29% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 775126 | 277.8286           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 111.13% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 237370 | 266.7422           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 106.70% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 1.244                | 85.0  | 120875 | 121.6377           | ng    | 99       |
| T Chloromethane                    | 1.414                | 50.0  | 146389 | 121.3695           | ng    | 98       |
| T Vinyl chloride                   | 1.498                | 62.0  | 134667 | 124.0834           | ng    | 89       |
| T Bromomethane                     | 1.799                | 96.0  | 63447  | 130.7402           | ng    | 97       |
| T Chloroethane                     | 1.897                | 64.0  | 65145  | 121.2486           | ng    | 99       |
| T Trichlorofluoromethane           | 2.148                | 101.0 | 167554 | 124.3824           | ng    | 99       |
| T 1,1-Dichloroethene               | 2.705                | 96.0  | 98670  | 129.1761           | ng    | 100      |
| T Methylene chloride               | 3.333                | 49.0  | 142665 | 126.6979           | ng    | 100      |
| T trans-1,2-Dichloroethene         | 3.718                | 96.0  | 103078 | 132.2722           | ng    | 99       |
| T Methyl tert-butyl ether (MTBE)   | 3.748                | 73.0  | 130816 | 129.8706           | ng    | 99       |
| T 1,1-Dichloroethane               | 4.381                | 63.0  | 199178 | 137.3114           | ng    | 98       |
| T 2,2-Dichloropropane              | 5.196                | 77.0  | 145269 | 133.6522           | ng    | 98       |
| T cis-1,2-Dichloroethene           | 5.212                | 96.0  | 108548 | 137.3875           | ng    | 96       |
| T Methyl ethyl ketone              | 5.279                | 43.0  | 137392 | 1283.7998          | ng    | 99       |
| T Bromochloromethane               | 5.519                | 128.0 | 46083  | 140.7927           | ng    | 97       |
| T Chloroform                       | 5.650                | 83.0  | 185738 | 128.6627           | ng    | 100      |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.  | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|--------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.831  | 97.0  | 174885 | 129.2681 | ng    | 99       |
| T Carbon tetrachloride      | 6.029  | 117.0 | 170926 | 128.2311 | ng    | 98       |
| T 1,1-Dichloropropene       | 6.040  | 75.0  | 150274 | 130.6385 | ng    | 99       |
| T Benzene                   | 6.280  | 78.0  | 408605 | 135.3309 | ng    | 100      |
| T 1,2-Dichloroethane        | 6.319  | 62.0  | 110298 | 135.0368 | ng    | 98       |
| T Trichloroethene           | 7.025  | 95.0  | 114844 | 131.5285 | ng    | 98       |
| T 1,2-Dichloropropane       | 7.273  | 63.0  | 104682 | 136.2951 | ng    | 99       |
| T Dibromomethane            | 7.393  | 93.0  | 44191  | 136.1521 | ng    | 97       |
| T Bromodichloromethane      | 7.585  | 83.0  | 120295 | 134.2956 | ng    | 98       |
| T cis-1,3-Dichloropropene   | 8.057  | 75.0  | 133603 | 131.9196 | ng    | 98       |
| T Toluene                   | 8.386  | 92.0  | 257200 | 136.4742 | ng    | 98       |
| T trans-1,3-Dichloropropene | 8.637  | 75.0  | 105011 | 145.6663 | ng    | 96       |
| T 1,1,2-Trichloroethane     | 8.818  | 83.0  | 52225  | 139.0820 | ng    | 96       |
| T Tetrachloroethene         | 8.935  | 163.8 | 99420  | 129.3096 | ng    | 97       |
| T 1,3-Dichloropropane       | 8.980  | 76.0  | 103760 | 140.4835 | ng    | 99       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 81647  | 139.1249 | ng    | 99       |
| T 1,2-Dibromoethane         | 9.303  | 107.0 | 56221  | 136.9319 | ng    | 99       |
| T Chlorobenzene             | 9.802  | 112.0 | 273742 | 132.6730 | ng    | 99       |
| T 1,1,1,2-Tetrachloroethane | 9.889  | 131.0 | 96292  | 133.5071 | ng    | 99       |
| T Ethylbenzene              | 9.919  | 91.0  | 473903 | 132.4334 | ng    | 99       |
| T m+p-Xylenes               | 10.037 | 106.0 | 373201 | 268.3696 | ng    | 98       |
| T o-Xylene                  | 10.433 | 106.0 | 165769 | 133.9037 | ng    | 99       |
| T Styrene                   | 10.449 | 104.0 | 280042 | 140.5011 | ng    | 99       |
| T Bromoform                 | 10.622 | 172.5 | 43600  | 140.2668 | ng    | 99       |
| T Bromobenzene              | 11.093 | 156.0 | 105945 | 134.7722 | ng    | 99       |
| T 1,1,2,2-Tetrachloroethane | 11.110 | 83.0  | 63459  | 140.2540 | ng    | 97       |
| T 1,2,3-Trichloropropane    | 11.149 | 110.0 | 17186  | 141.9567 | ng    | 97       |
| T 2-Chlorotoluene           | 11.289 | 126.0 | 103391 | 132.1845 | ng    | 98       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 348025 | 136.4682 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.030 | 146.0 | 186227 | 129.8930 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.123 | 146.0 | 192050 | 131.3733 | ng    | 98       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 156006 | 128.7555 | ng    | 98       |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

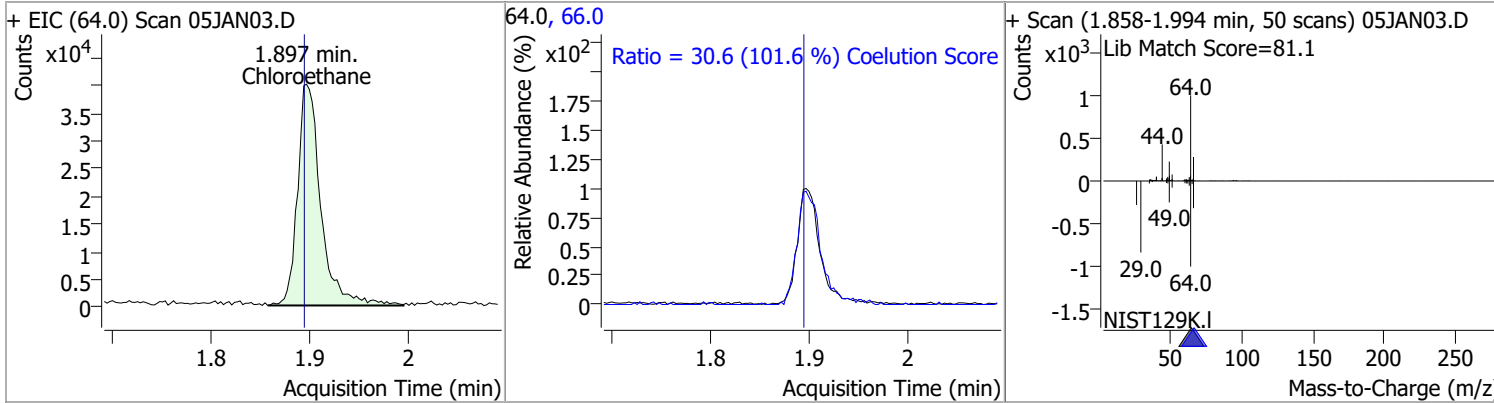
# Quantitation Results Report (QT Reviewed)

| Compound  | Conc.    | RT   | Dev(Min)   | Resp.  | QIon | QRatio  | Lower | Upper |
|---|----------|------|--|--------|------|---|-------|-------|
| Dichlorodifluoromethane   | 121.6377 | 1.24 | 0.00   | 120875 | 87.0 | 32.9  | 2.3   | 62.3  |
| + EIC (85.0) Scan 05JAN03.D<br>   |          |      | 85.0, 87.0<br>   |        |      | + Scan (1.216-1.336 min, 44 scans) 05JAN03.D<br>Lib Match Score=81.6<br>   |       |       |
| Chloromethane   | 121.3695 | 1.41 | 0.01   | 146389 | 52.0 | 33.2  | 2.1   | 62.1  |
| + EIC (50.0) Scan 05JAN03.D<br>  |          |      | 50.0, 52.0<br>  |        |      | + Scan (1.375-1.487 min, 41 scans) 05JAN03.D<br>Lib Match Score=82.1<br>  |       |       |
| Vinyl chloride  | 124.0834 | 1.50 | 0.00   | 134667 | 64.0 | 36.1  | 0.0   | 59.9  |
| + EIC (62.0) Scan 05JAN03.D<br> |          |      | 62.0, 64.0<br> |        |      | + Scan (1.470-1.587 min, 43 scans) 05JAN03.D<br>Lib Match Score=84.4<br> |       |       |
| Bromomethane  | 130.7402 | 1.80 | 0.00   | 63447  | 94.0 | 108.2   | 74.6  | 134.6 |
| + EIC (96.0) Scan 05JAN03.D<br> |          |      | 96.0, 94.0<br> |        |      | + Scan (1.766-1.863 min, 36 scans) 05JAN03.D<br>Lib Match Score=90.1<br> |       |       |

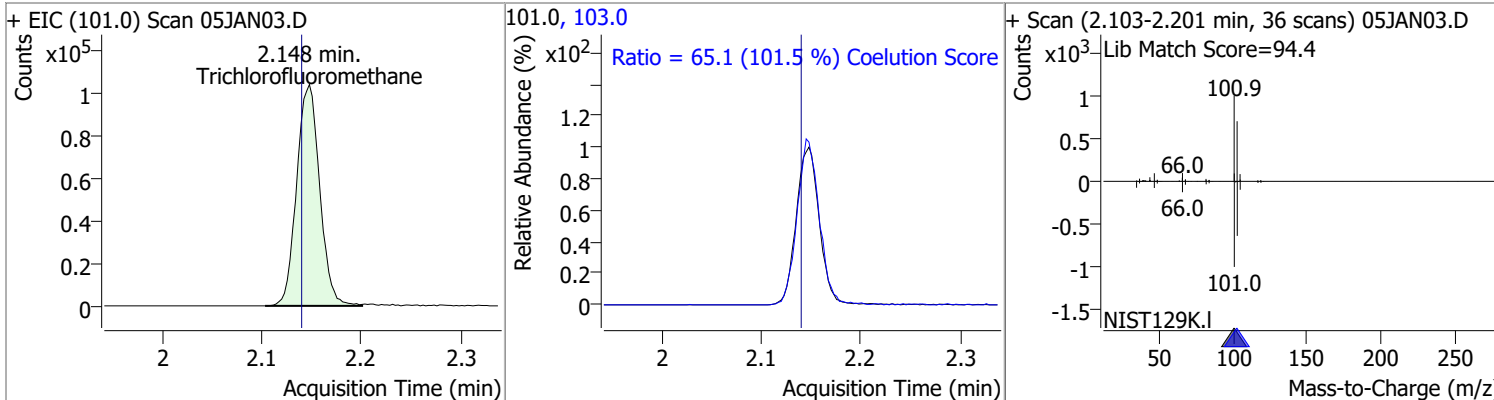


# Quantitation Results Report (QT Reviewed)

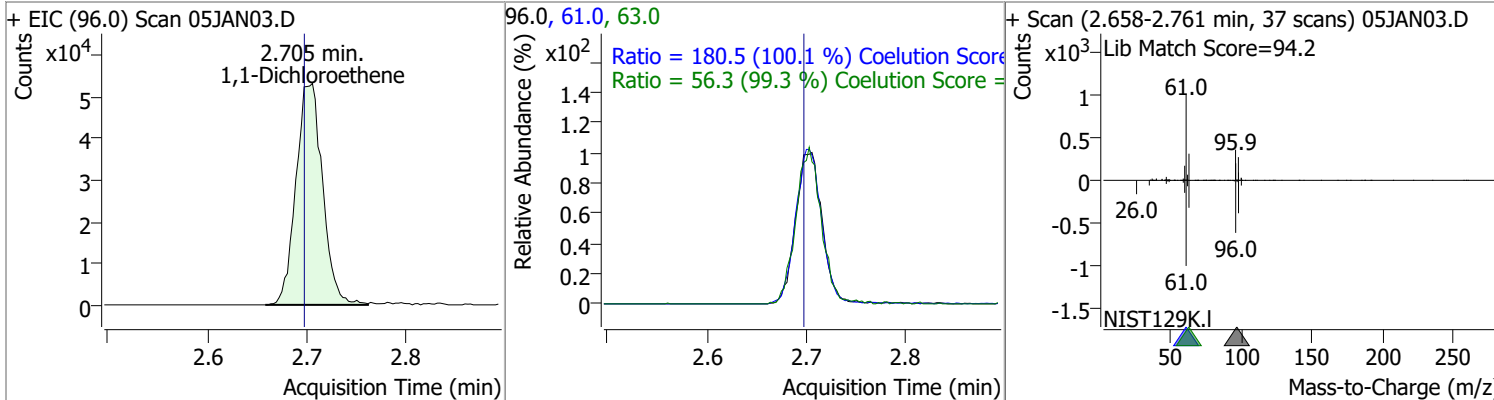
| Compound     | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|-------|------|--------|-------|-------|
| Chloroethane | 121.2486 | 1.90 | 0.00     | 65145 | 66.0 | 30.6   | 0.1   | 60.1  |



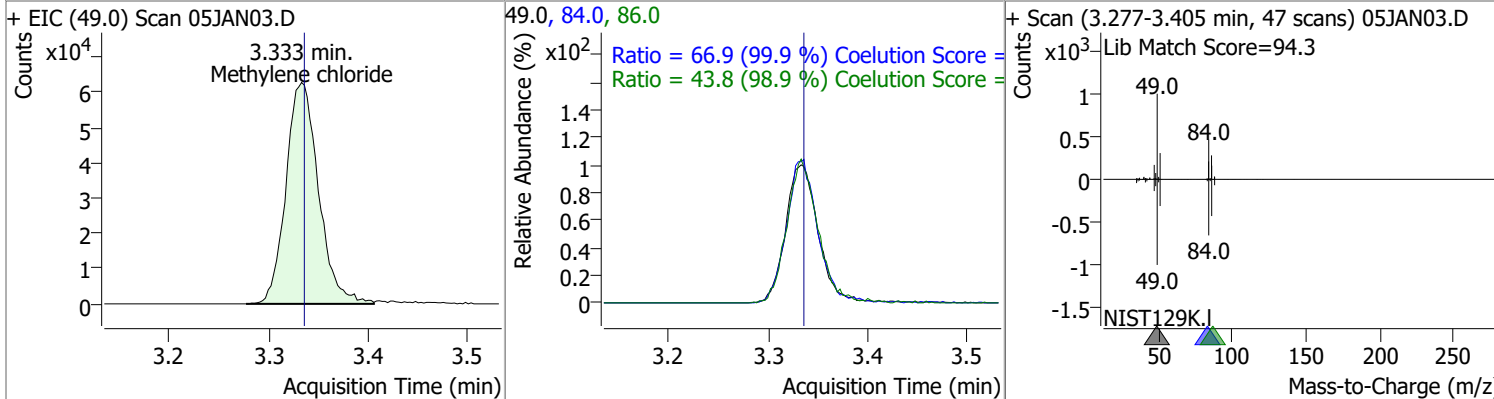
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichlorofluoromethane | 124.3824 | 2.15 | 0.01     | 167554 | 103.0 | 65.1   | 34.2  | 94.2  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1-Dichloroethene | 129.1761 | 2.71 | 0.01     | 98670 | 61.0 | 180.5  | 150.3 | 210.3 |
|                    |          |      |          |       | 63.0 | 56.3   | 26.7  | 86.7  |



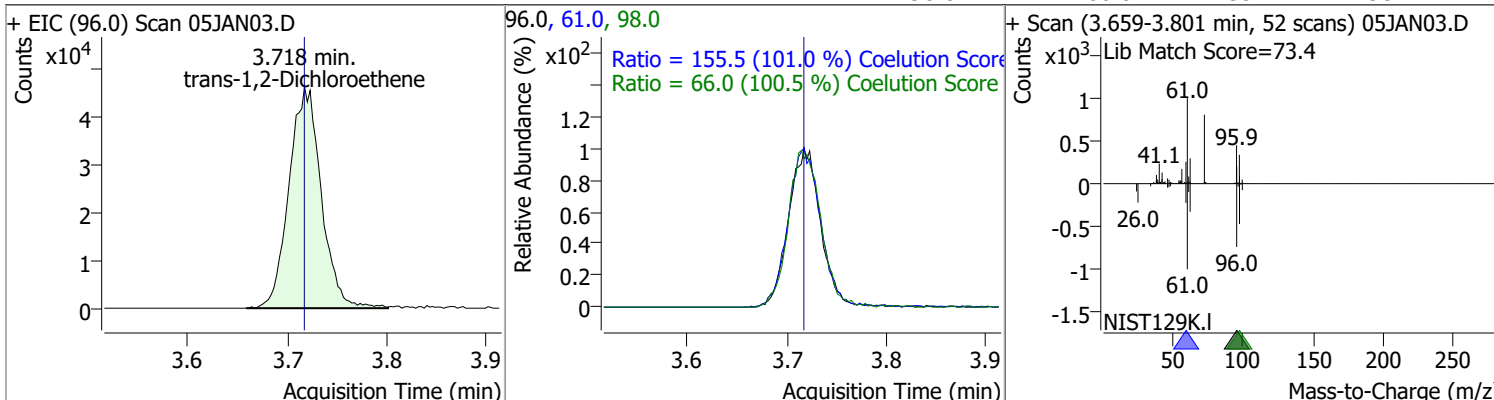
| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methylene chloride | 126.6979 | 3.33 | 0.00     | 142665 | 84.0 | 66.9   | 36.9  | 96.9  |
|                    |          |      |          |        | 86.0 | 43.8   | 14.3  | 74.3  |



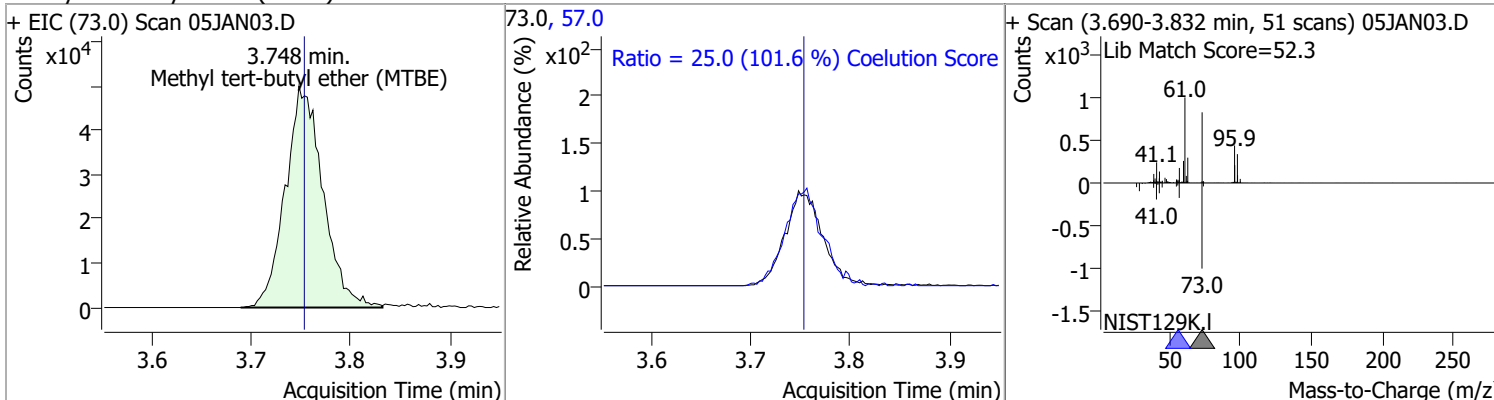


# Quantitation Results Report (QT Reviewed)

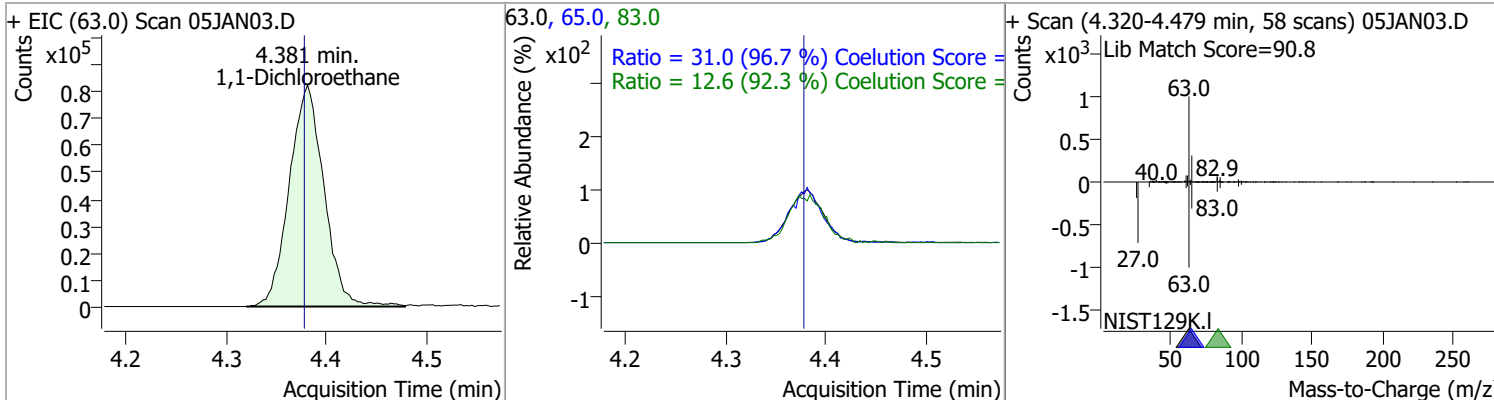
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 132.2722 | 3.72 | 0.00     | 103078 | 61.0 | 155.5  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 66.0   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 129.8706 | 3.75 | -0.01    | 130816 | 57.0 | 25.0   | 0.0   | 54.6  |

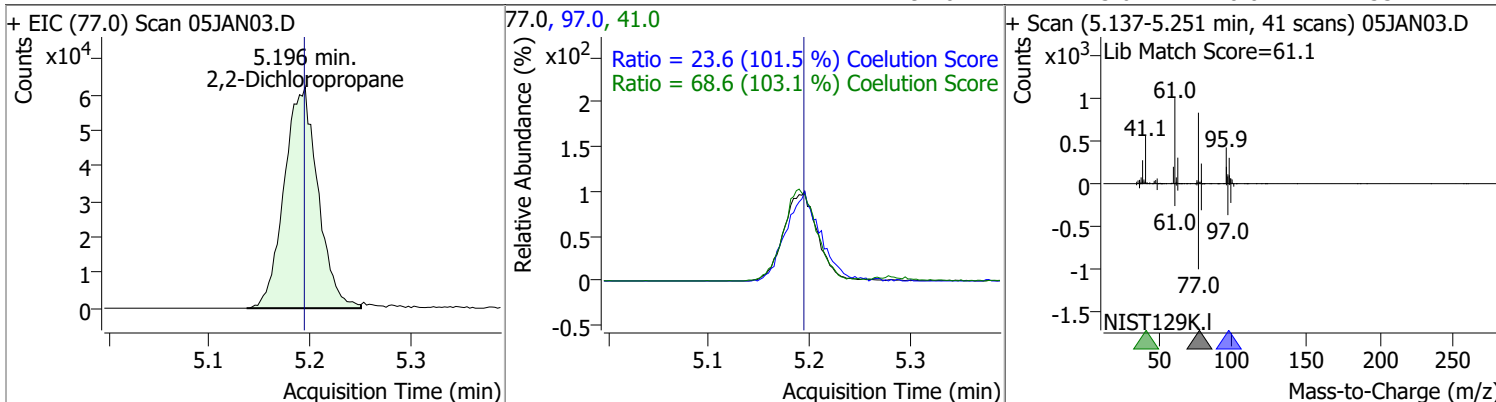


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 137.3114 | 4.38 | 0.00     | 199178 | 65.0 | 31.0   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 12.6   | 0.0   | 43.7  |

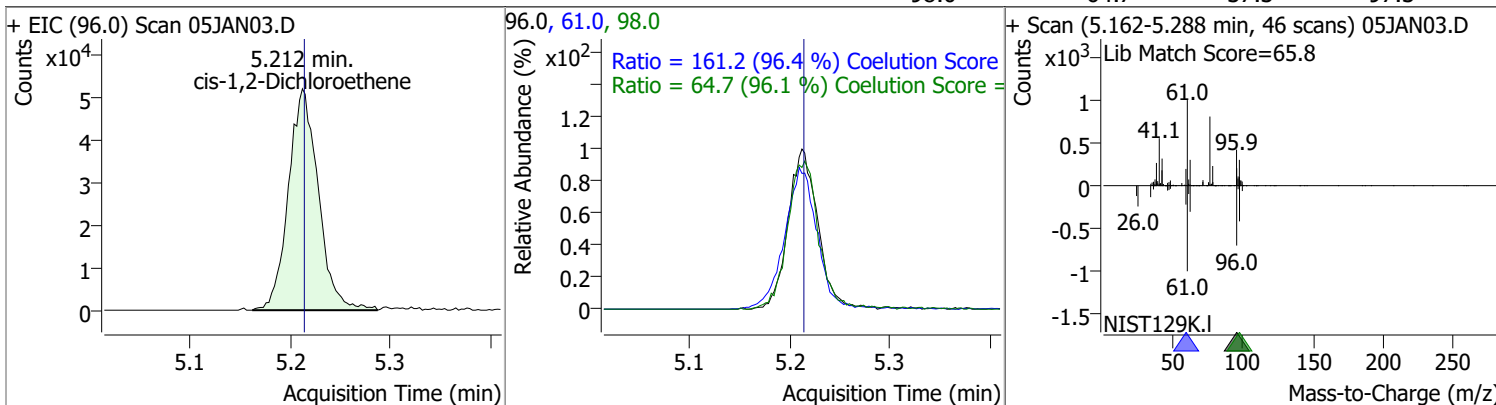


# Quantitation Results Report (QT Reviewed)

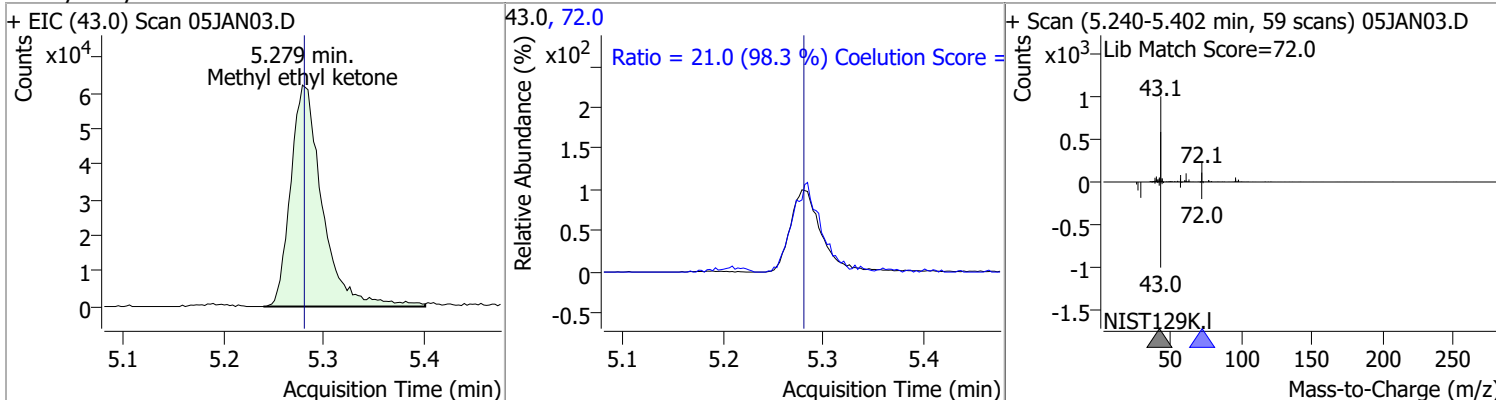
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 133.6522 | 5.20 | 0.00     | 145269 | 41.0 | 68.6   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 23.6   | 0.0   | 53.2  |



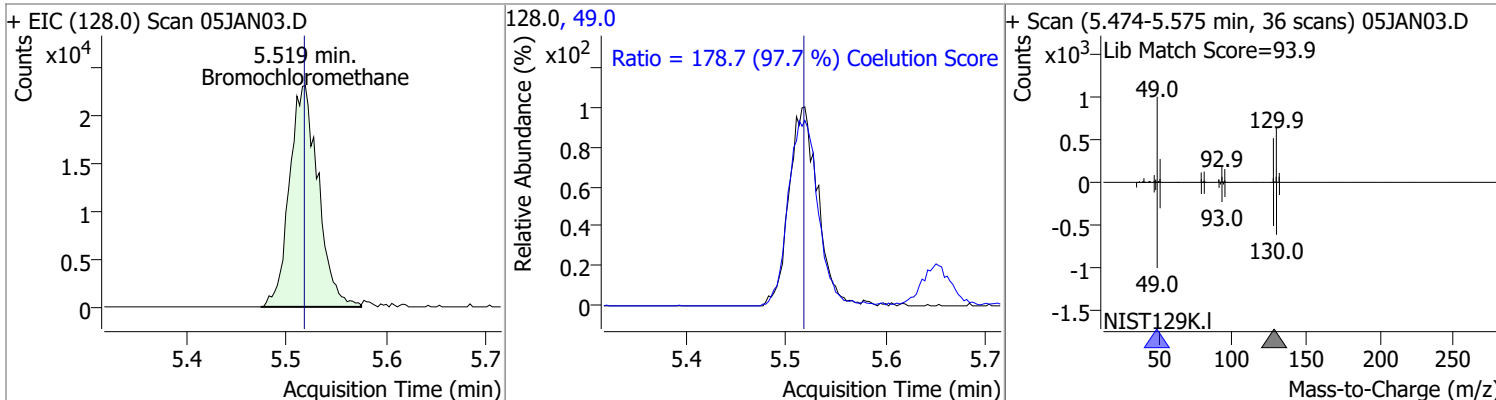
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 137.3875 | 5.21 | 0.00     | 108548 | 61.0 | 161.2  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 64.7   | 37.3  | 97.3  |



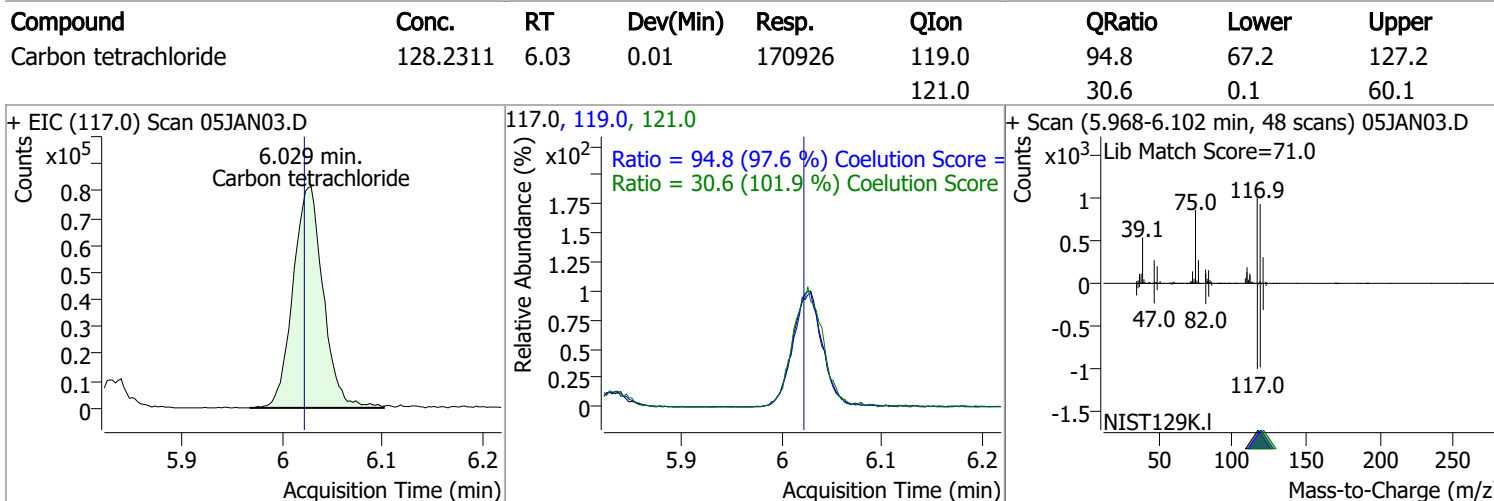
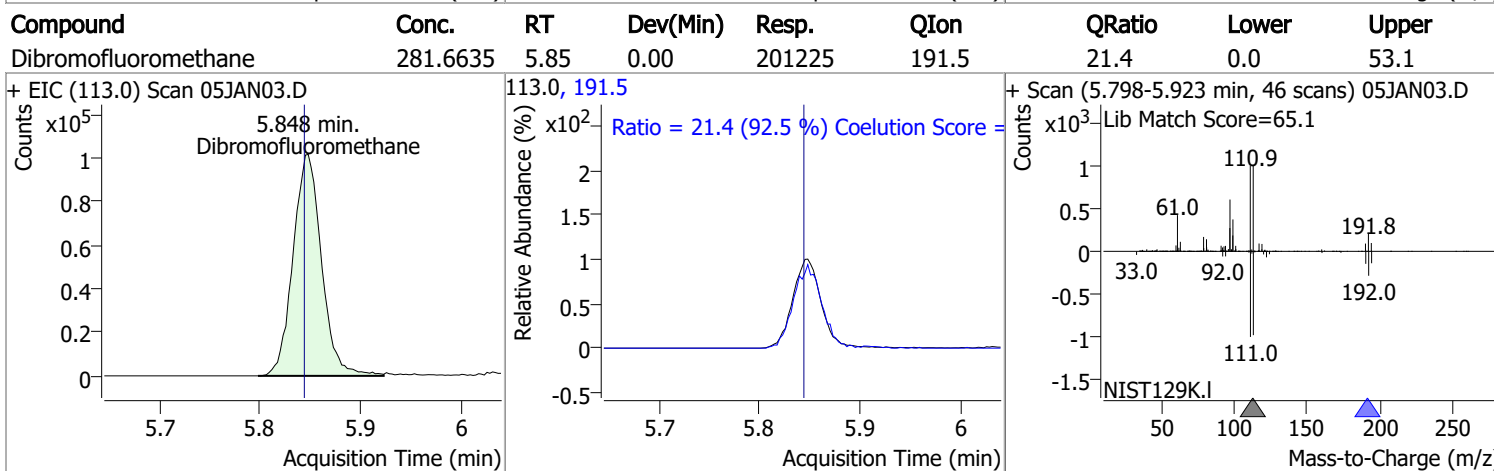
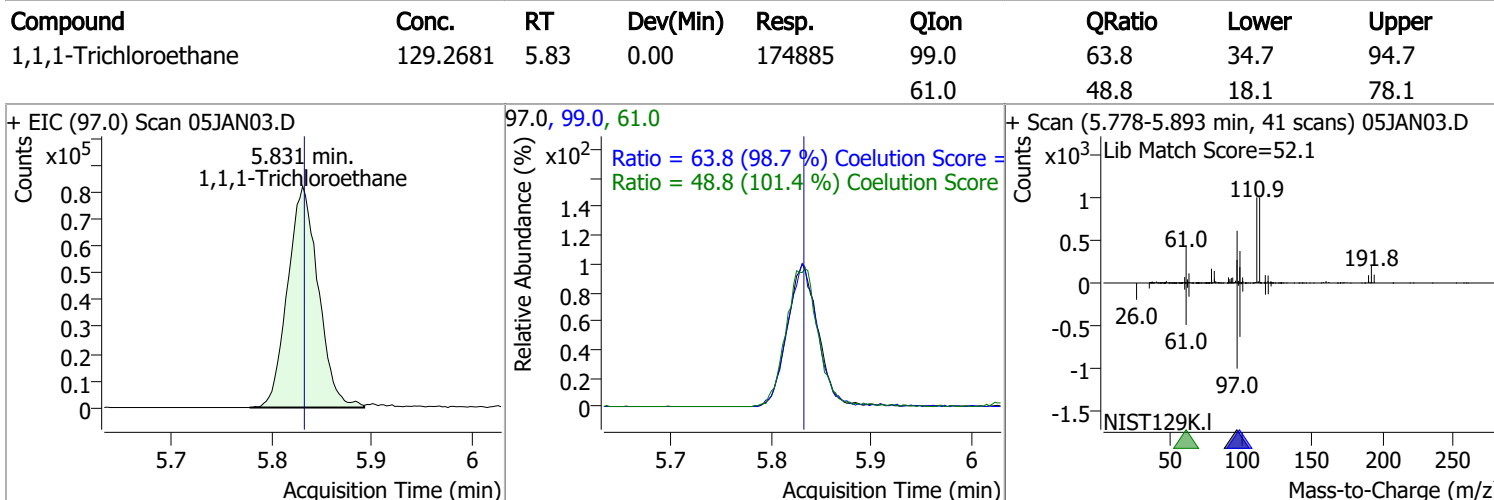
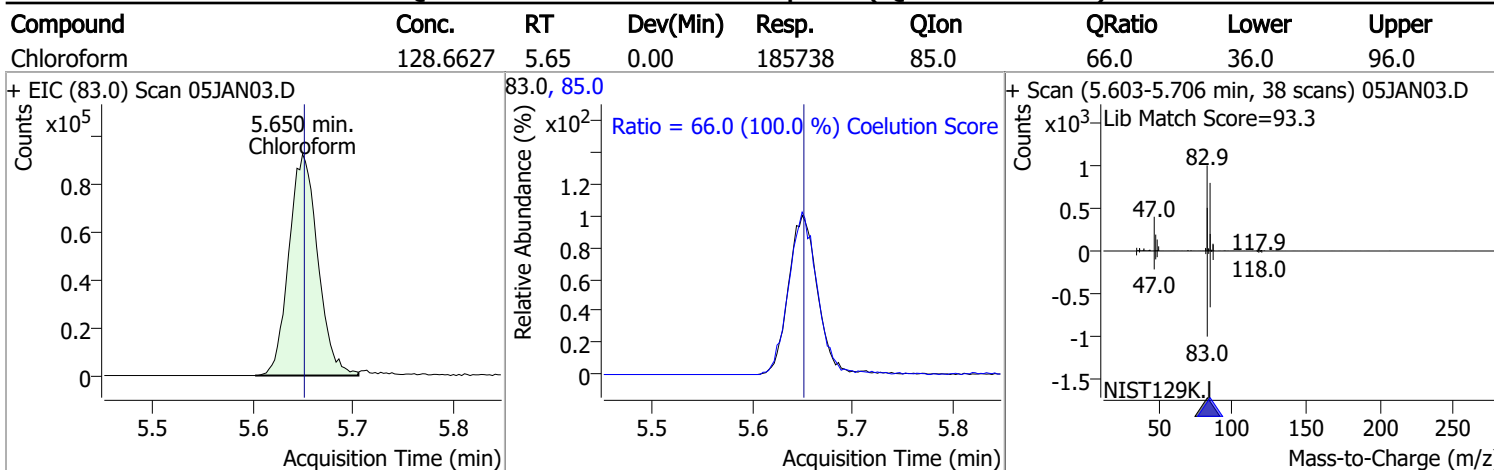
| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 1283.7998 | 5.28 | 0.00     | 137392 | 72.0 | 21.0   | 0.0   | 51.3  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 140.7927 | 5.52 | 0.00     | 46083 | 49.0 | 178.7  | 152.9 | 212.9 |

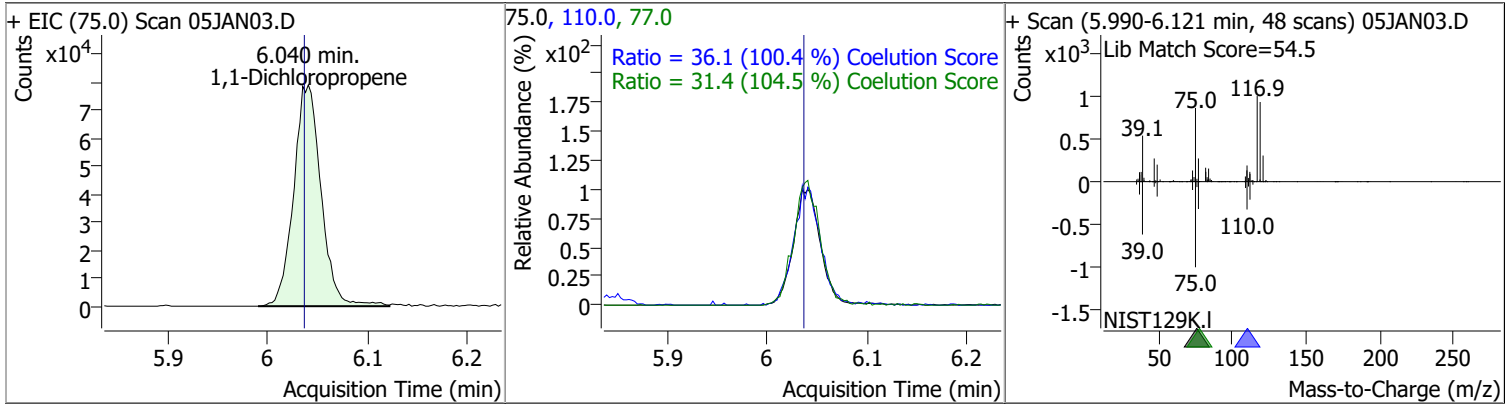


# Quantitation Results Report (QT Reviewed)

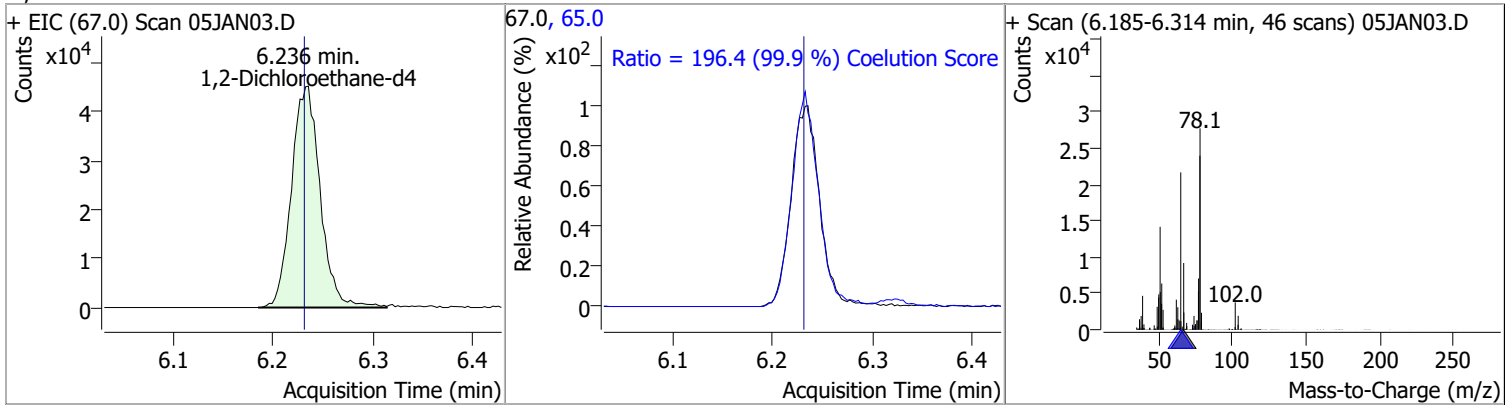


# Quantitation Results Report (QT Reviewed)

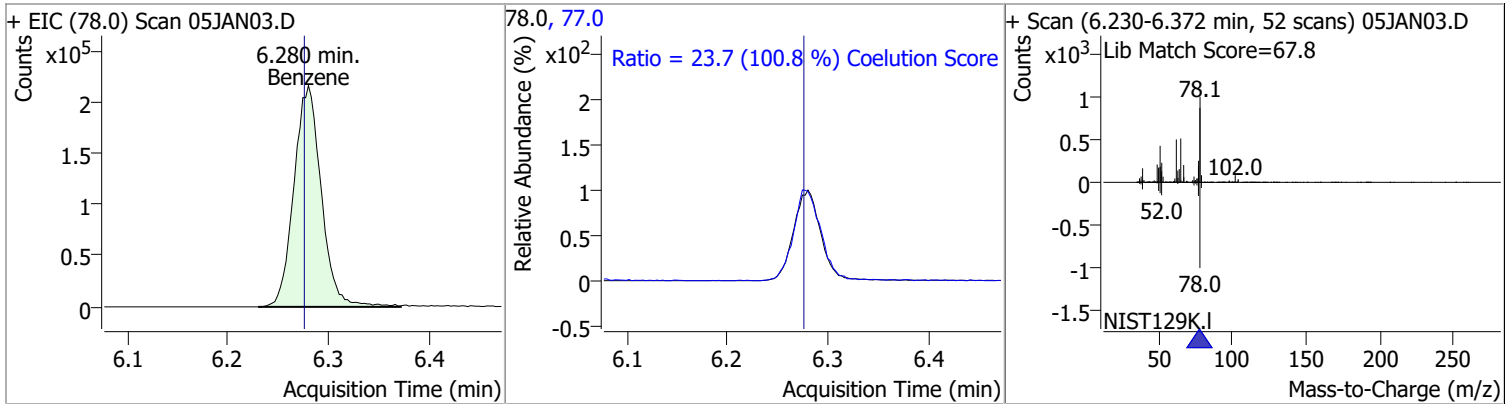
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 130.6385 | 6.04 | 0.00     | 150274 | 110.0 | 36.1   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 31.4   | 0.1   | 60.1  |



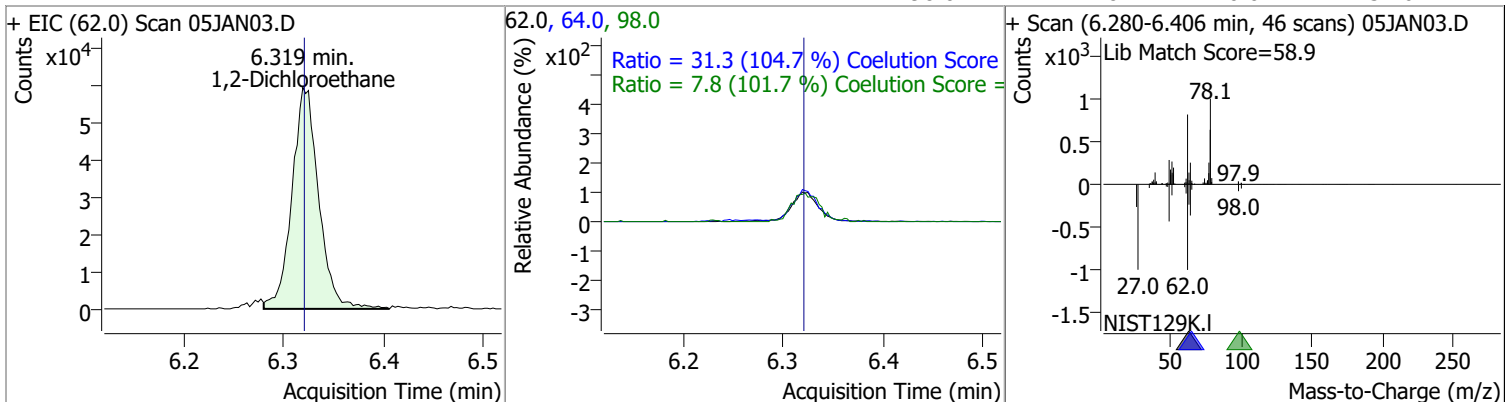
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 290.7320 | 6.24 | 0.00     | 89713 | 65.0 | 196.4  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 135.3309 | 6.28 | 0.00     | 408605 | 77.0 | 23.7   | 0.0   | 53.5  |

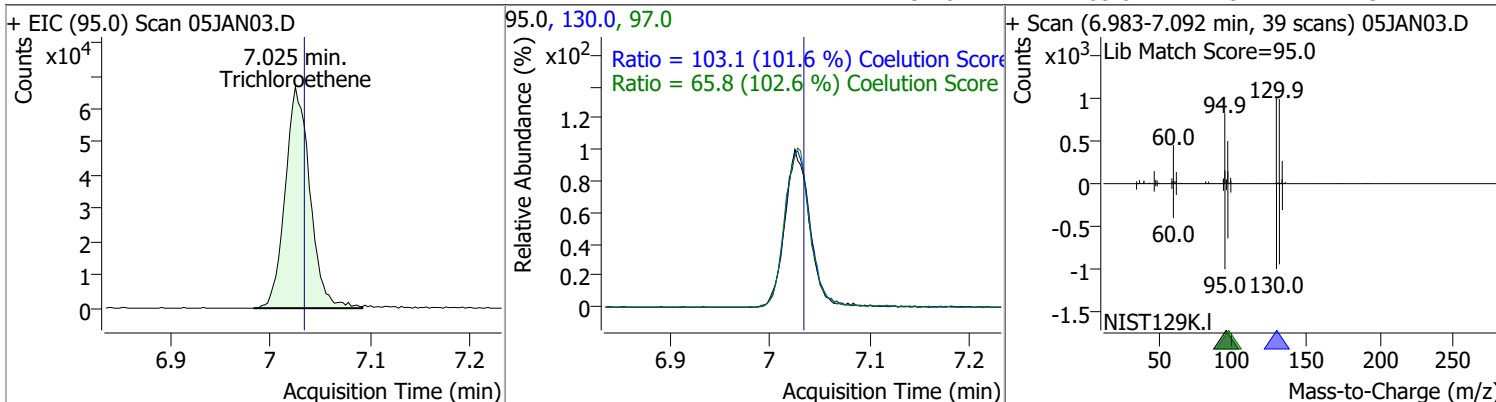


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 135.0368 | 6.32 | 0.00     | 110298 | 64.0 | 31.3   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 7.8    | 0.0   | 37.6  |

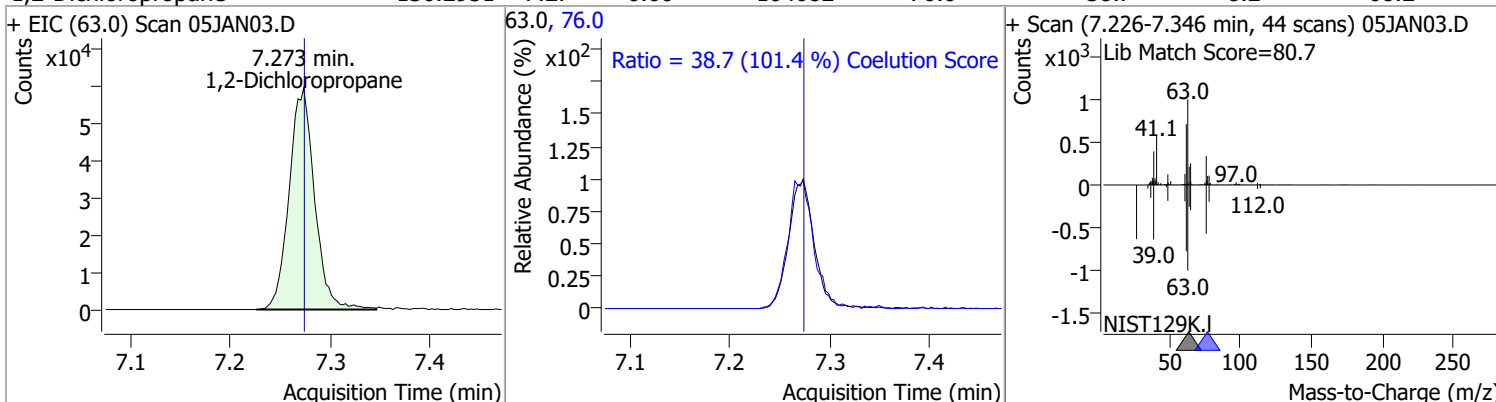


# Quantitation Results Report (QT Reviewed)

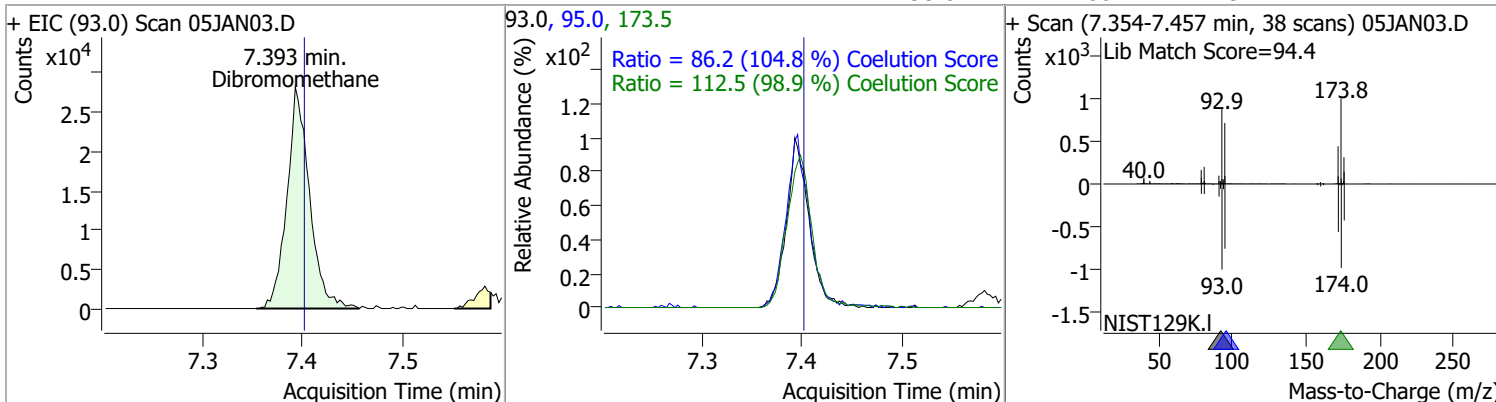
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 131.5285 | 7.02 | -0.01    | 114844 | 130.0 | 103.1  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 65.8   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloropropane | 136.2951 | 7.27 | 0.00     | 104682 | 76.0 | 38.7   | 8.2   | 68.2  |

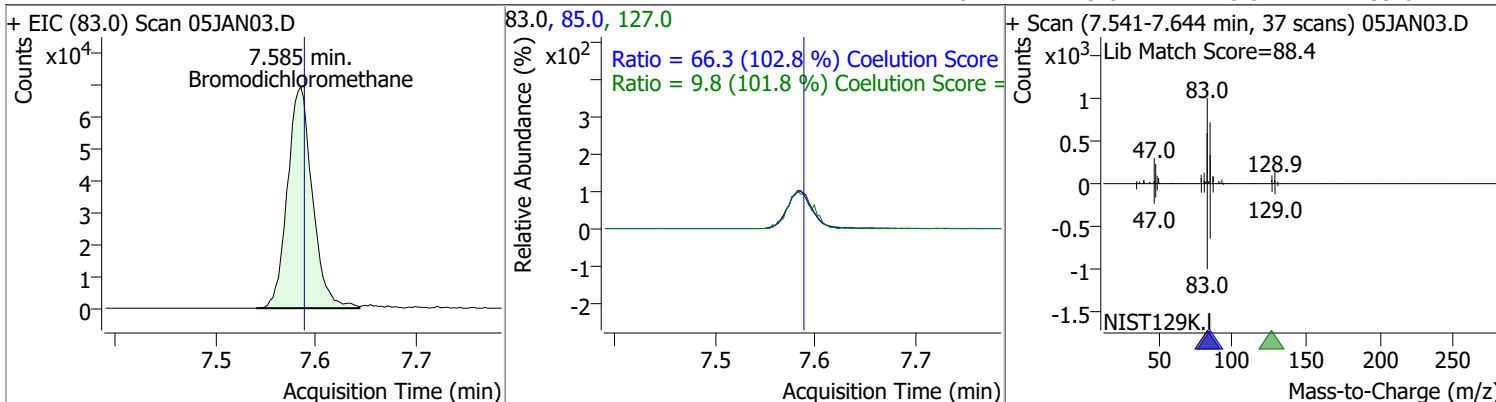


| Compound       | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 136.1521 | 7.39 | -0.01    | 44191 | 173.5 | 112.5  | 83.7  | 143.7 |
|                |          |      |          |       | 95.0  | 86.2   | 52.2  | 112.2 |

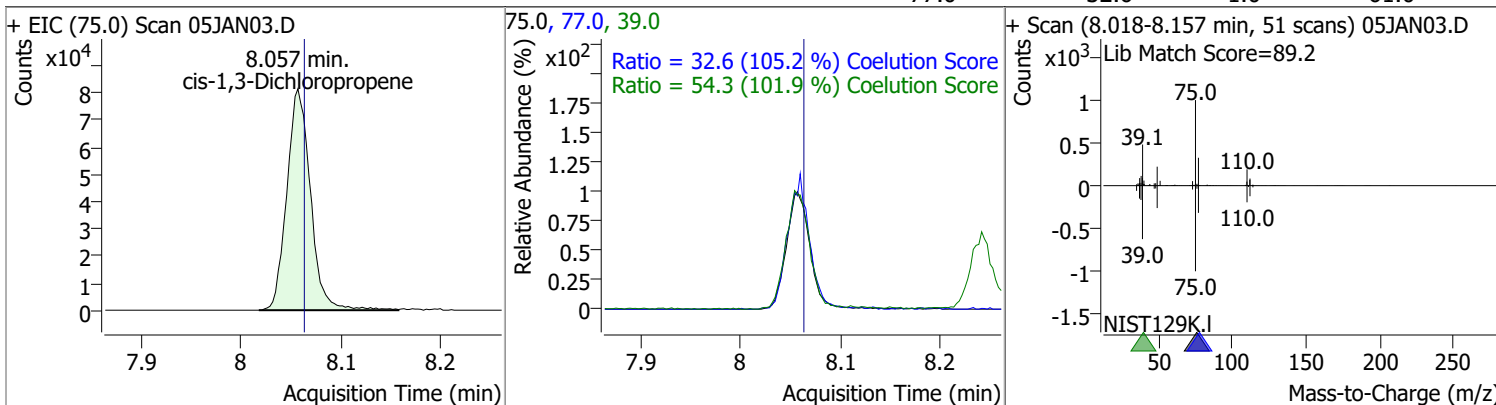


# Quantitation Results Report (QT Reviewed)

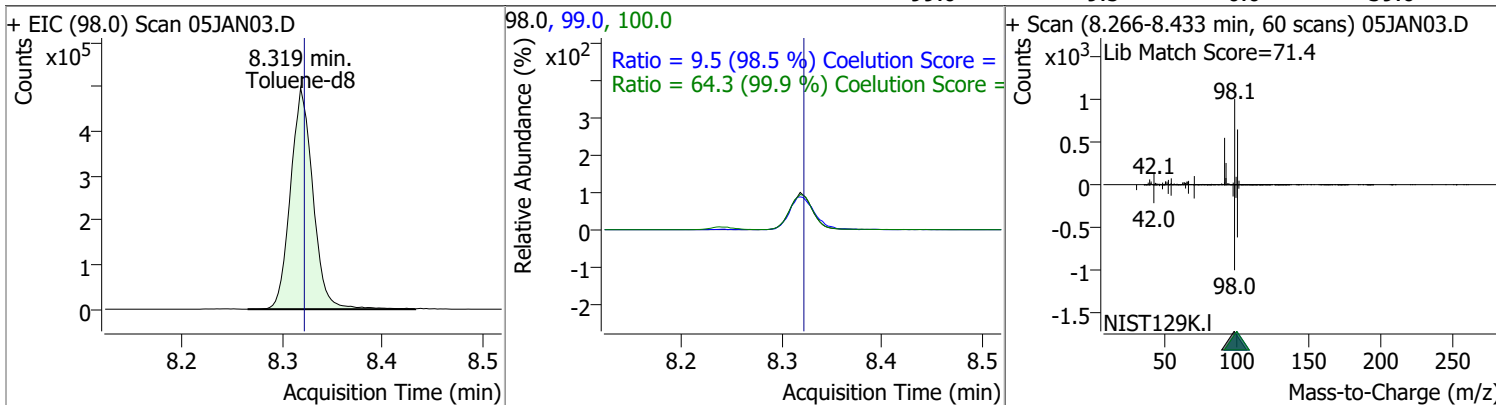
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 134.2956 | 7.59 | 0.00     | 120295 | 85.0  | 66.3   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.8    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 131.9196 | 8.06 | 0.00     | 133603 | 39.0 | 54.3   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 32.6   | 1.0   | 61.0  |

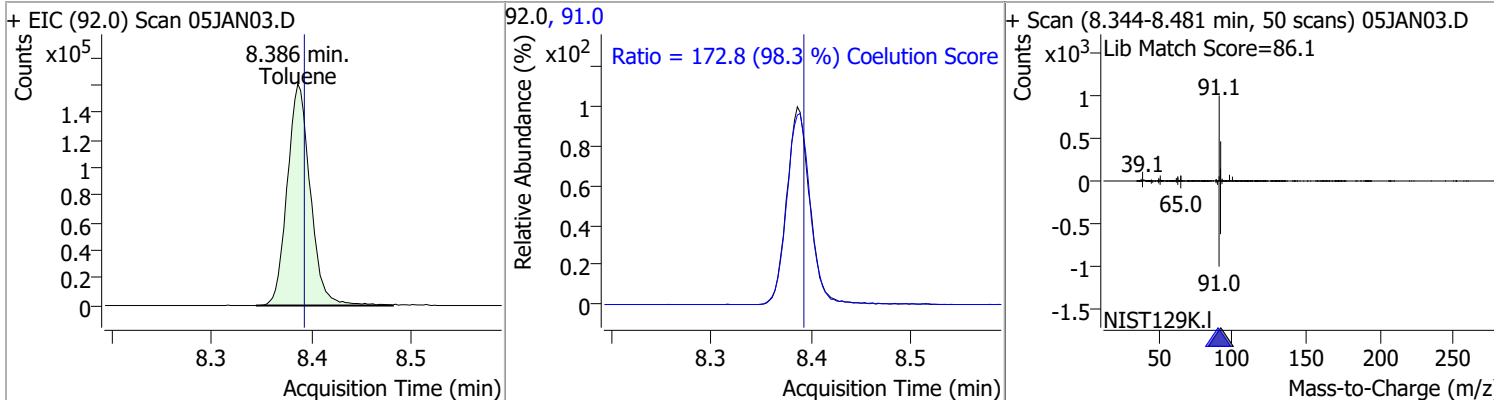


| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 277.8286 | 8.32 | 0.00     | 775126 | 100.0 | 64.3   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.5    | 0.0   | 39.6  |

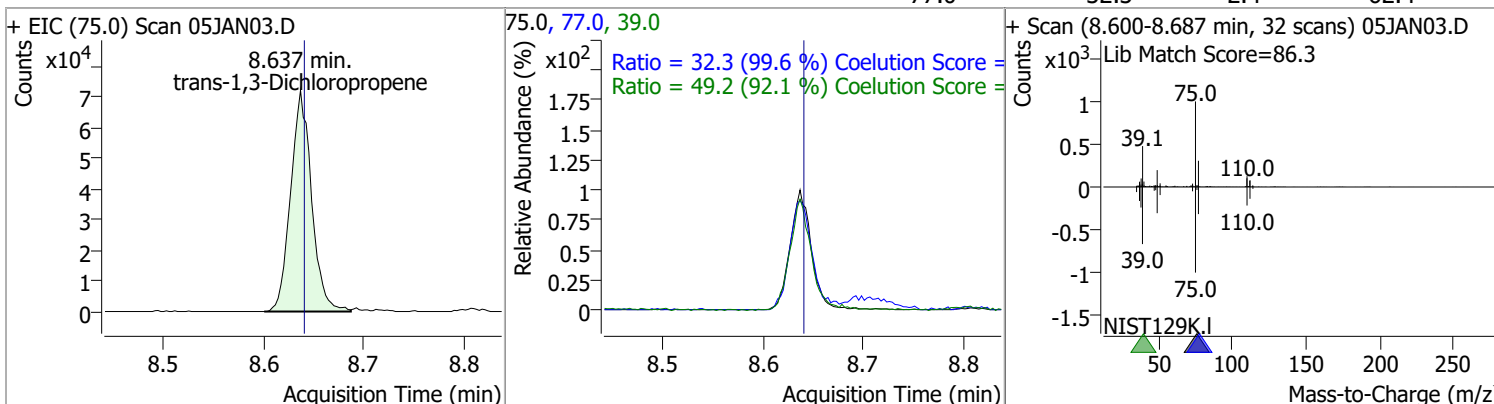


# Quantitation Results Report (QT Reviewed)

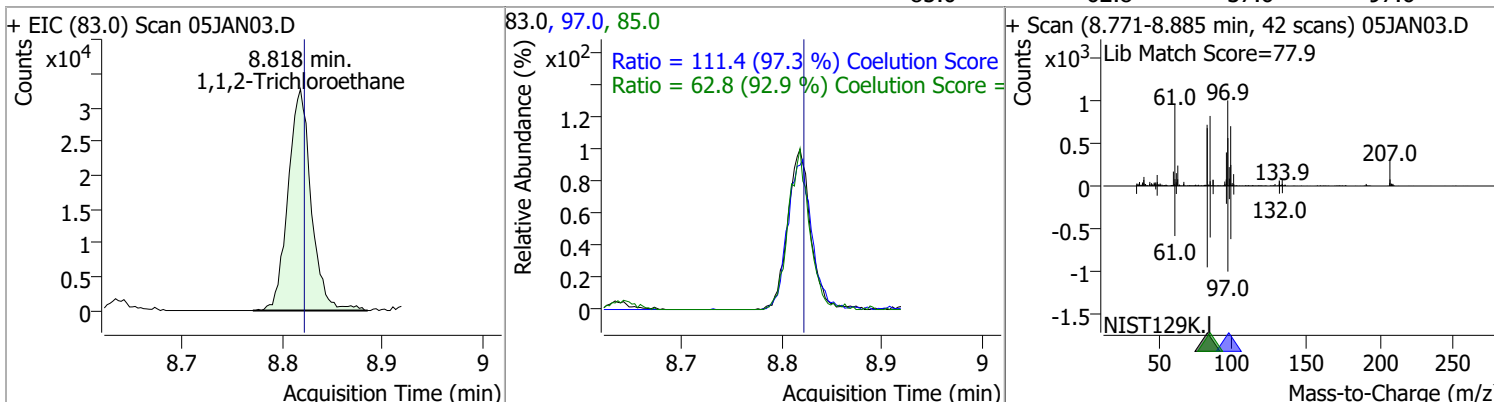
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Toluene  | 136.4742 | 8.39 | 0.00     | 257200 | 91.0 | 172.8  | 145.8 | 205.8 |



| Compound                  | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,3-Dichloropropene | 145.6663 | 8.64 | 0.00     | 105011 | 39.0 | 49.2   | 23.4  | 83.4  |
|                           |          |      |          |        | 77.0 | 32.3   | 2.4   | 62.4  |



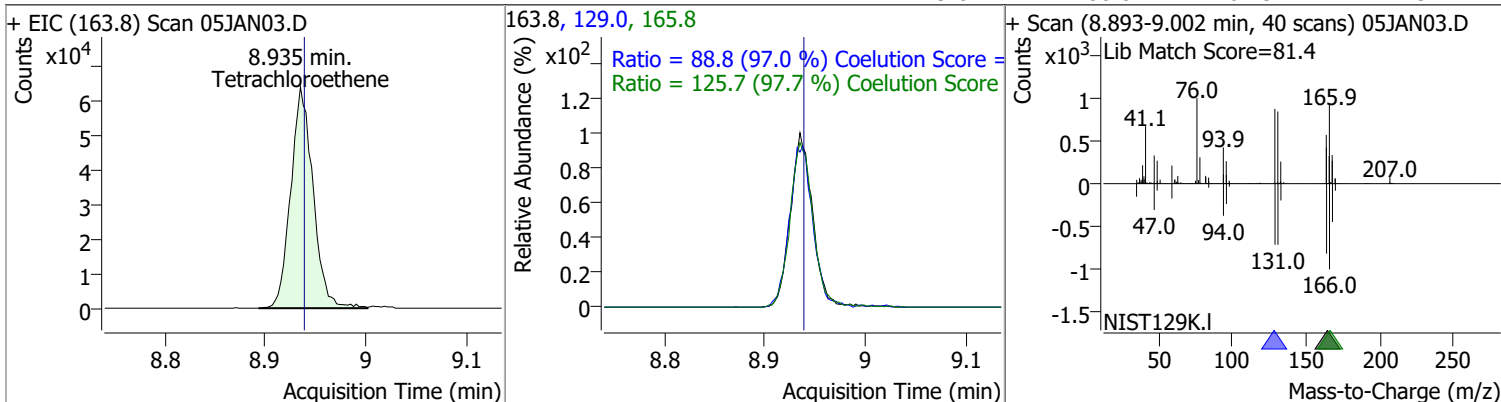
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1,2-Trichloroethane | 139.0820 | 8.82 | 0.00     | 52225 | 97.0 | 111.4  | 84.6  | 144.6 |
|                       |          |      |          |       | 85.0 | 62.8   | 37.6  | 97.6  |



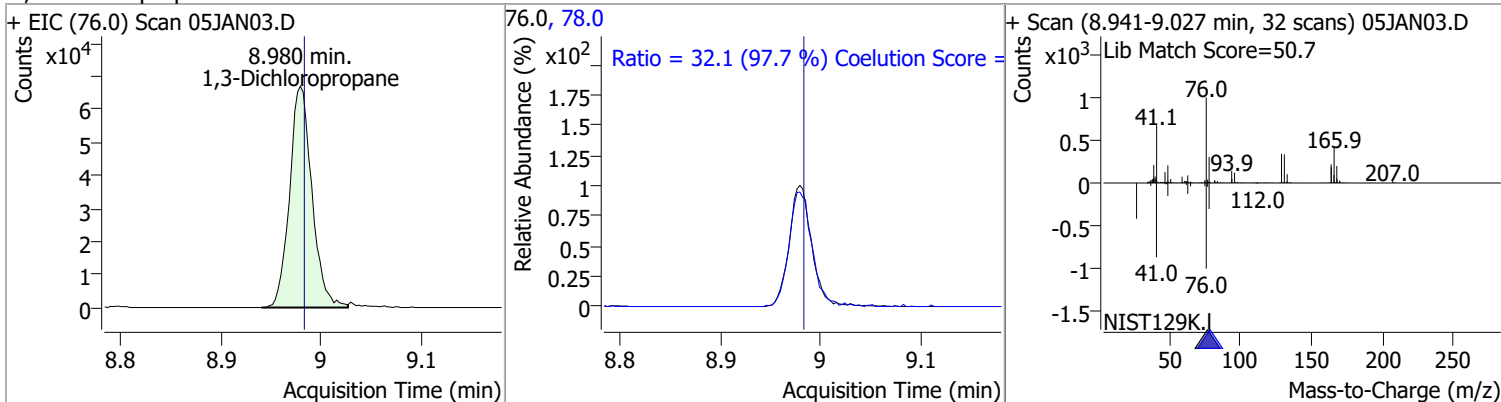


# Quantitation Results Report (QT Reviewed)

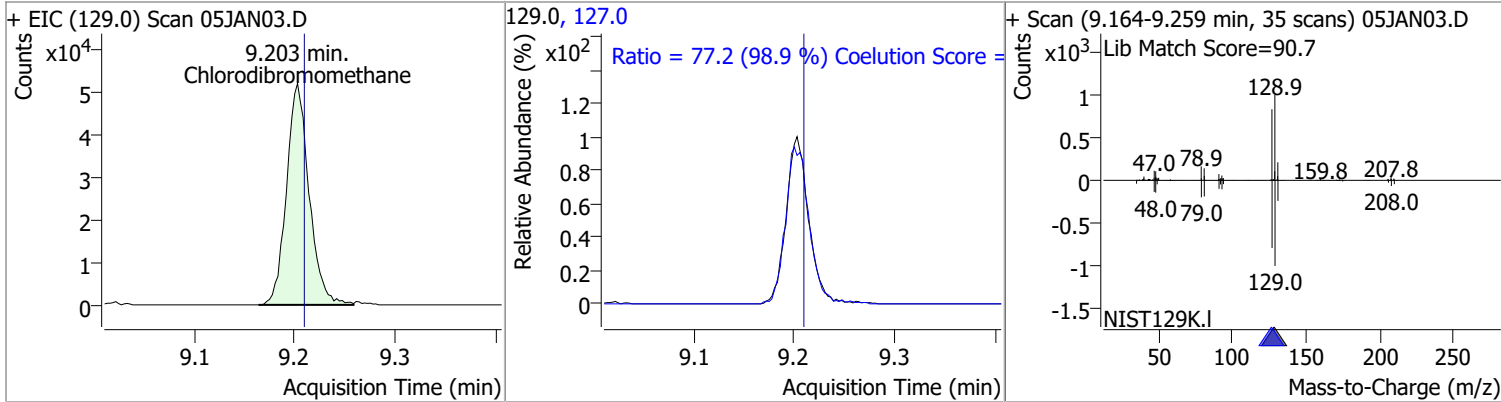
| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Tetrachloroethene | 129.3096 | 8.94 | 0.00     | 99420 | 165.8 | 125.7  | 98.6  | 158.6 |
|                   |          |      |          |       | 129.0 | 88.8   | 61.5  | 121.5 |



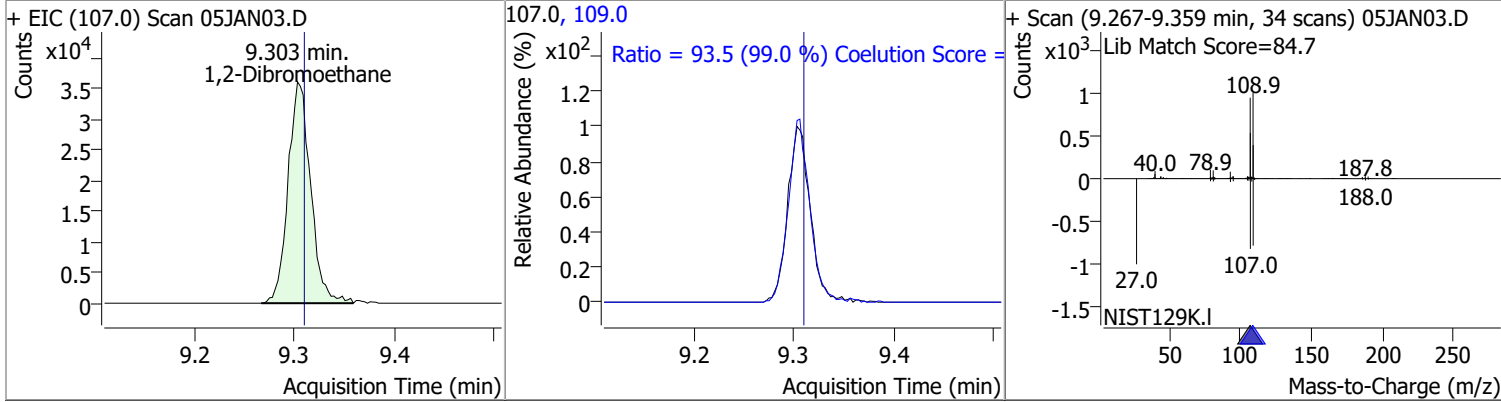
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,3-Dichloropropane | 140.4835 | 8.98 | 0.00     | 103760 | 78.0 | 32.1   | 2.9   | 62.9  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 139.1249 | 9.20 | 0.00     | 81647 | 127.0 | 77.2   | 48.0  | 108.0 |

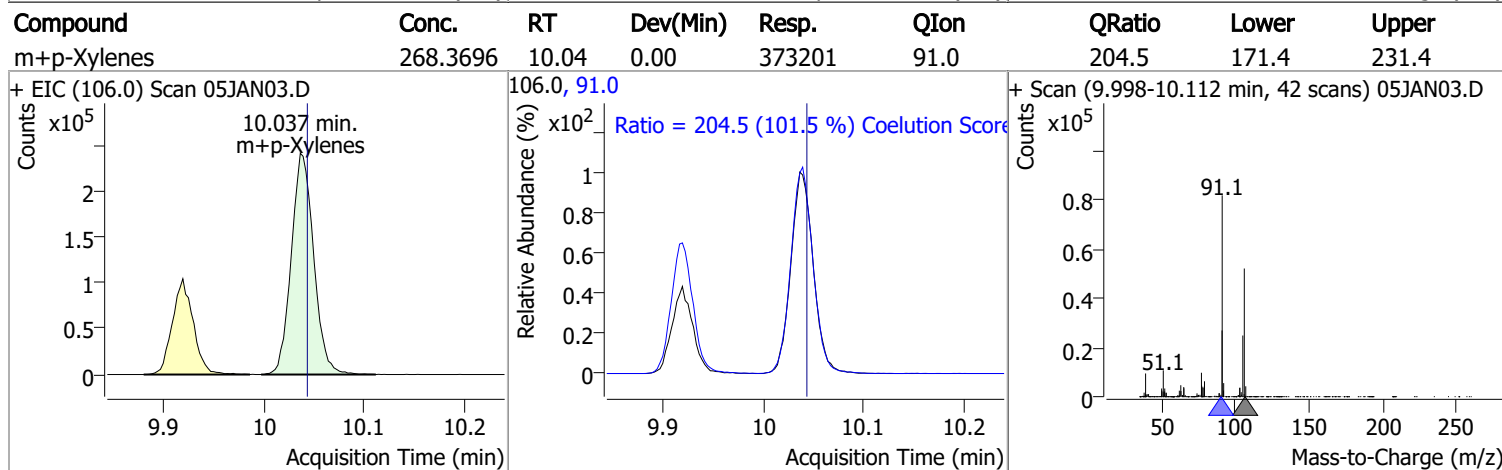
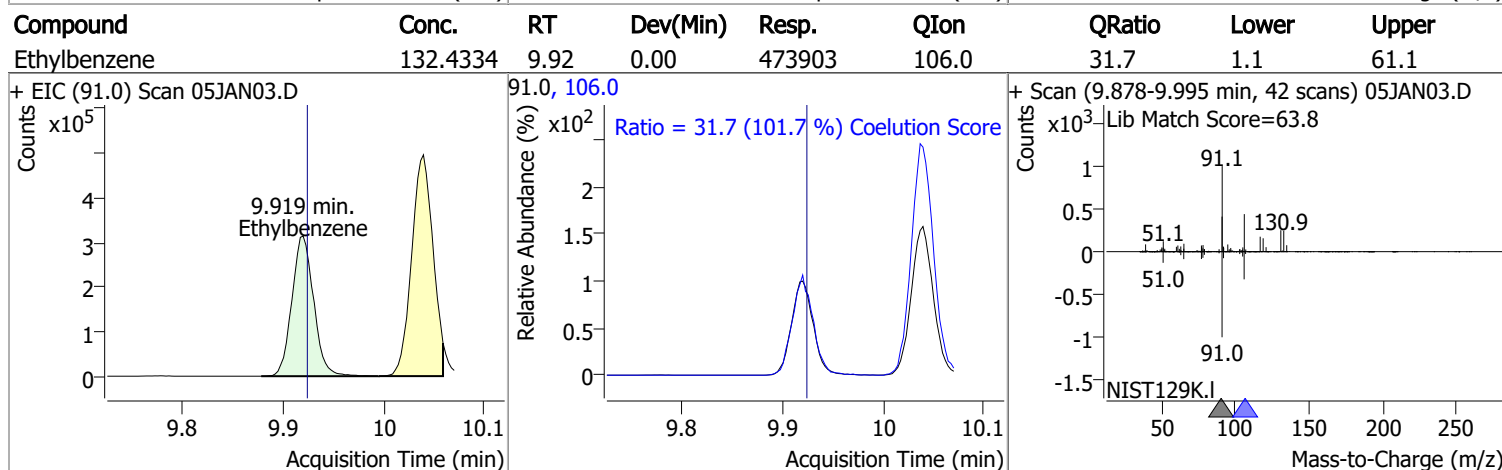
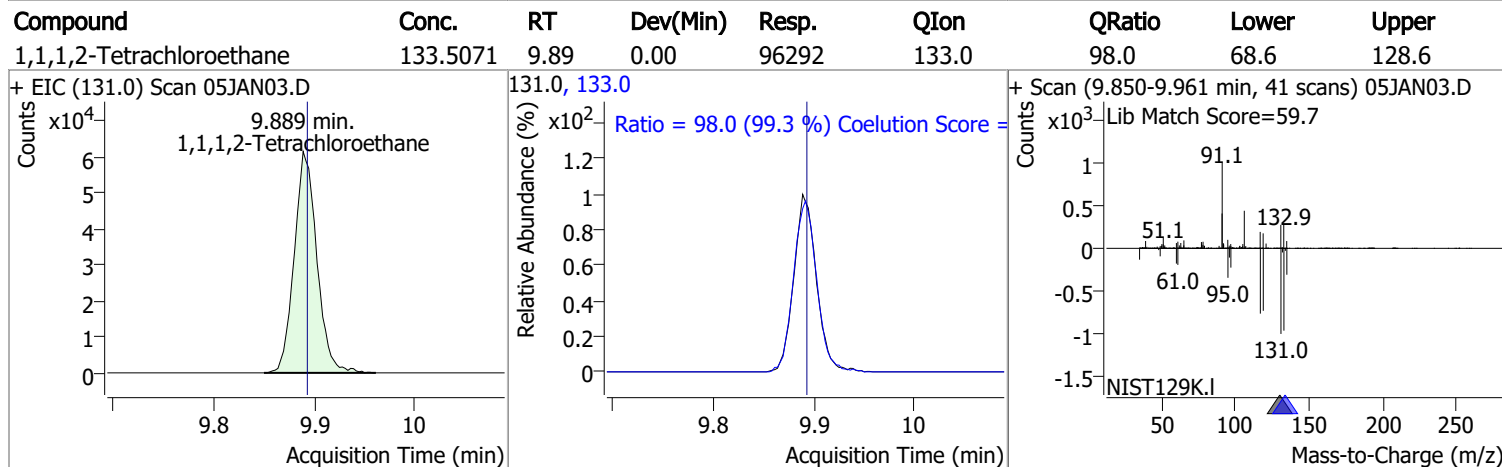
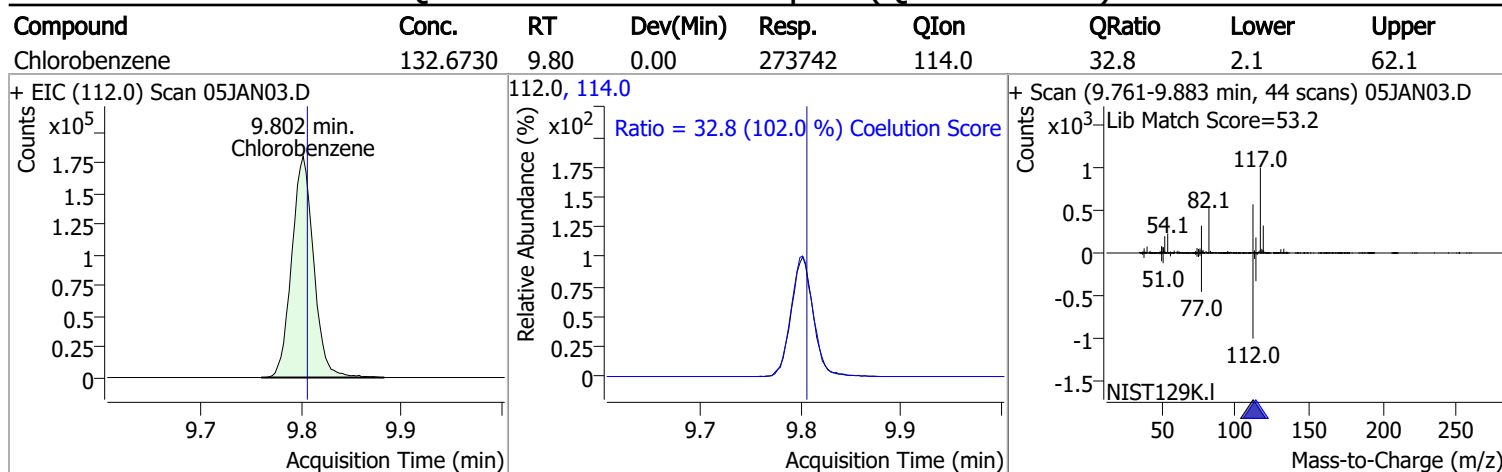


| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 136.9319 | 9.30 | 0.00     | 56221 | 109.0 | 93.5   | 64.5  | 124.5 |



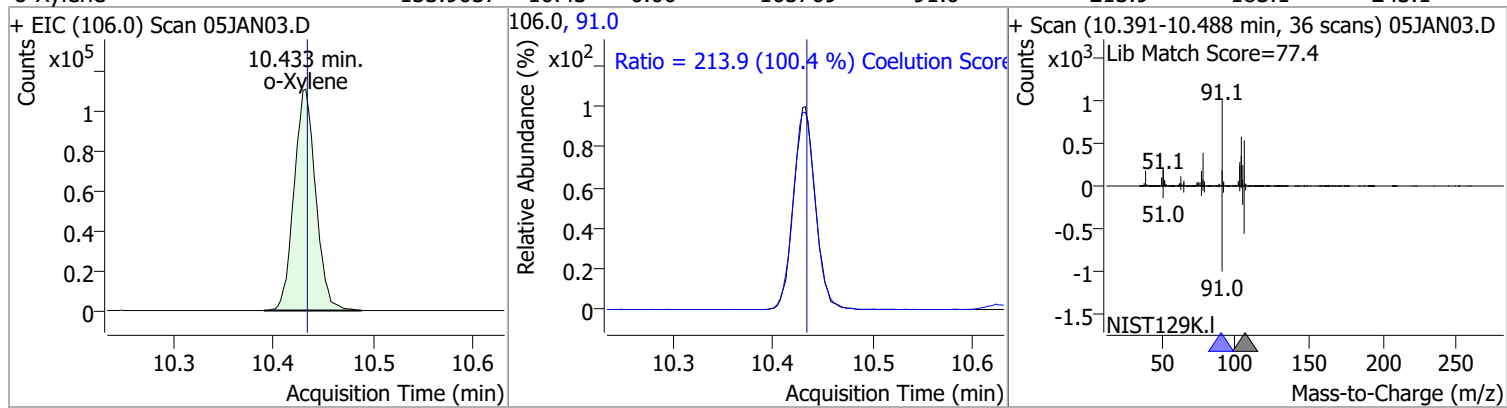


# Quantitation Results Report (QT Reviewed)

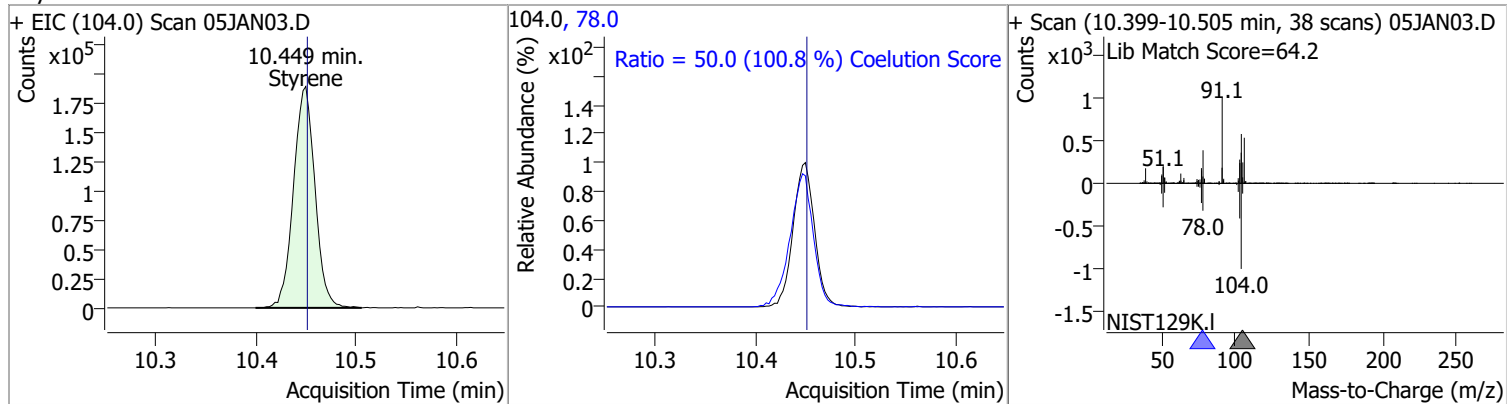


# Quantitation Results Report (QT Reviewed)

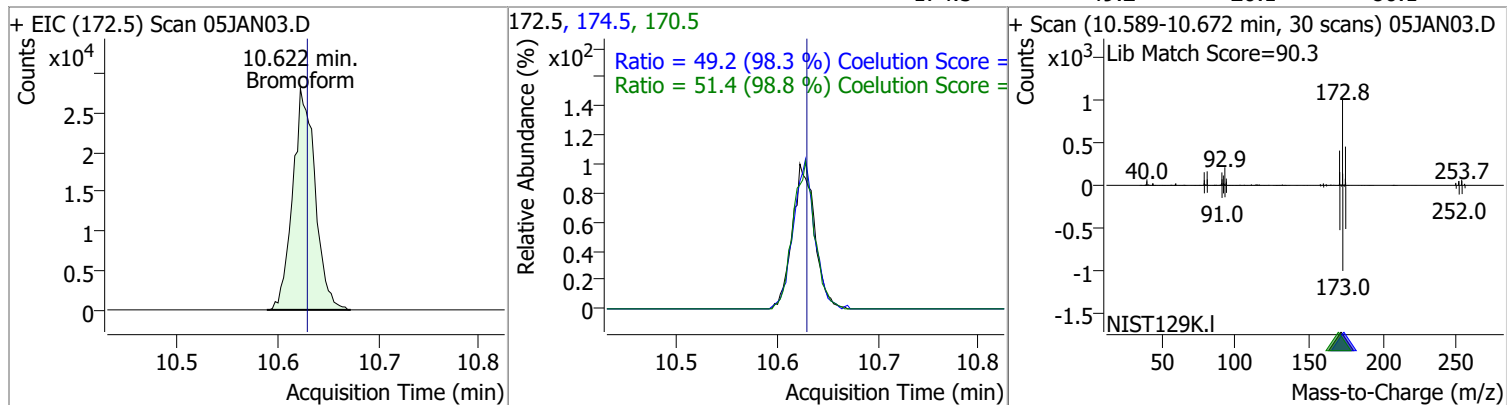
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 133.9037 | 10.43 | 0.00     | 165769 | 91.0 | 213.9  | 183.1 | 243.1 |



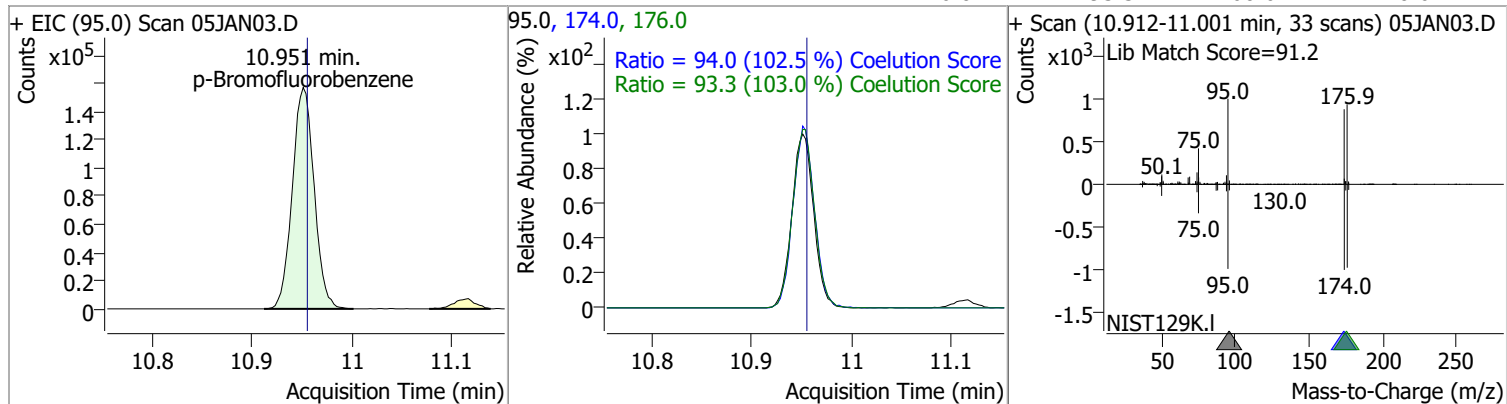
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| Styrene  | 140.5011 | 10.45 | 0.00     | 280042 | 78.0 | 50.0   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 140.2668 | 10.62 | -0.01    | 43600 | 170.5 | 51.4   | 22.1  | 82.1  |
|           |          |       |          |       | 174.5 | 49.2   | 20.1  | 80.1  |

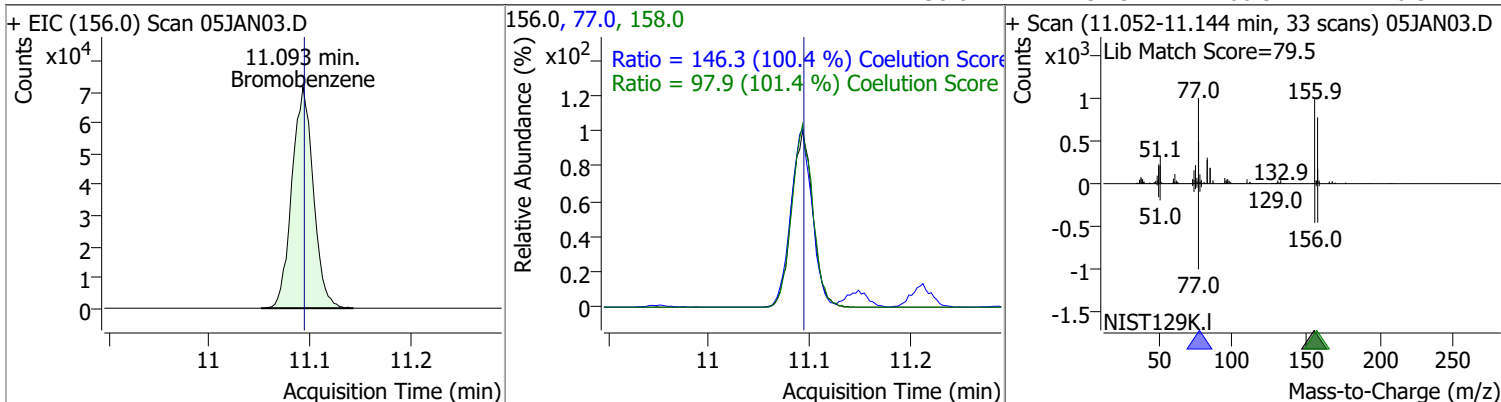


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 266.7422 | 10.95 | 0.00     | 237370 | 174.0 | 94.0   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 93.3   | 60.6  | 120.6 |

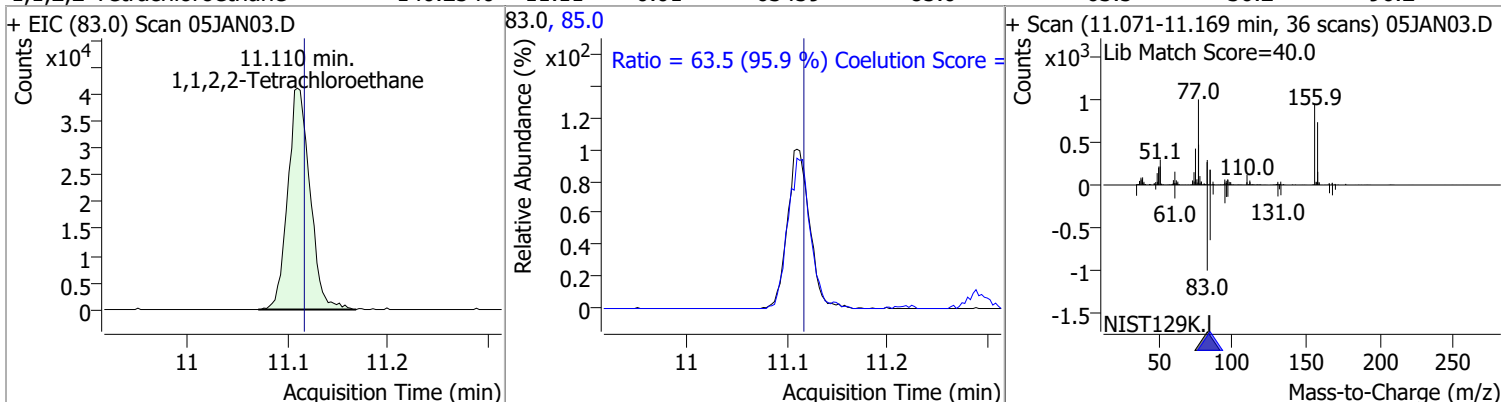


# Quantitation Results Report (QT Reviewed)

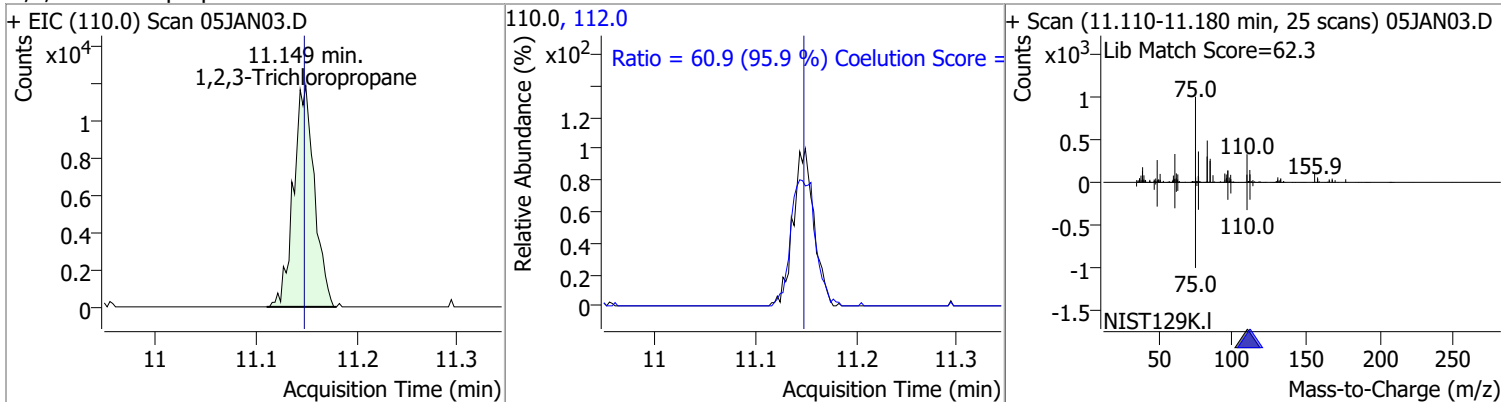
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 134.7722 | 11.09 | 0.00     | 105945 | 77.0  | 146.3  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 97.9   | 66.5  | 126.5 |



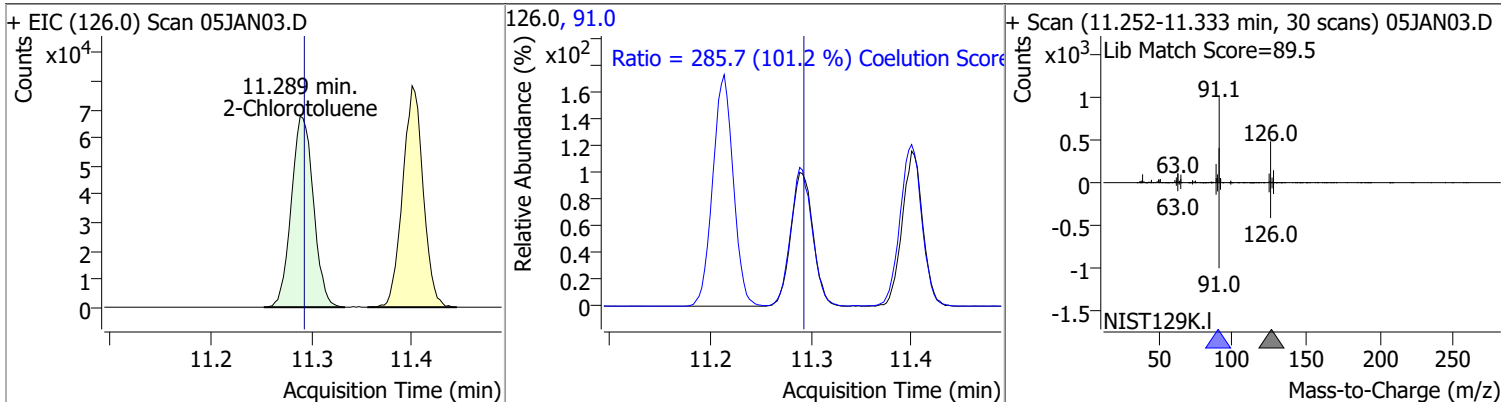
| Compound                  | Conc.    | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 140.2540 | 11.11 | -0.01    | 63459 | 85.0 | 63.5   | 36.2  | 96.2  |



| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 141.9567 | 11.15 | 0.00     | 17186 | 112.0 | 60.9   | 33.5  | 93.5  |

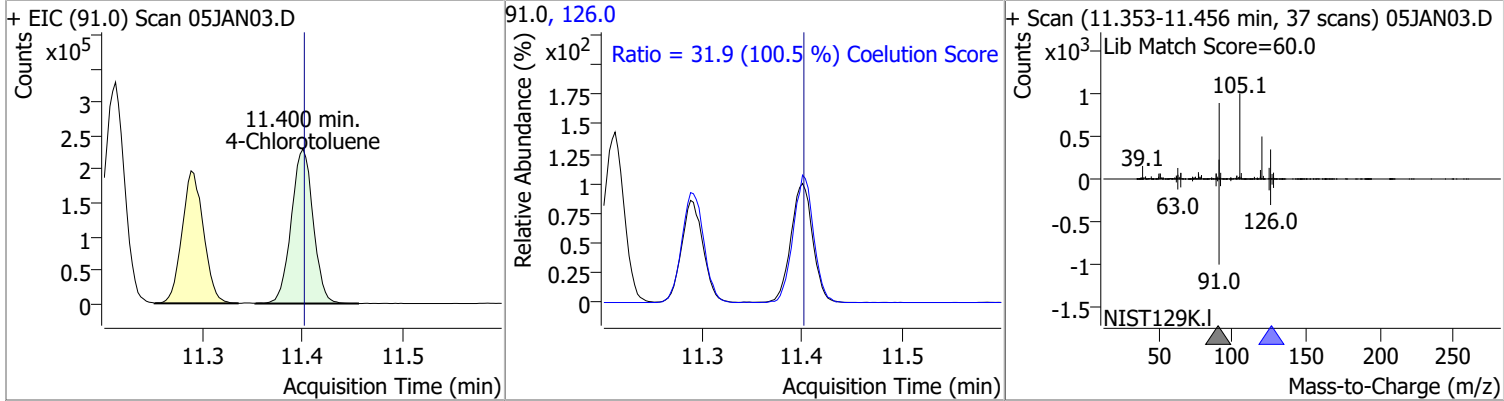


| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 132.1845 | 11.29 | 0.00     | 103391 | 91.0 | 285.7  | 252.3 | 312.3 |

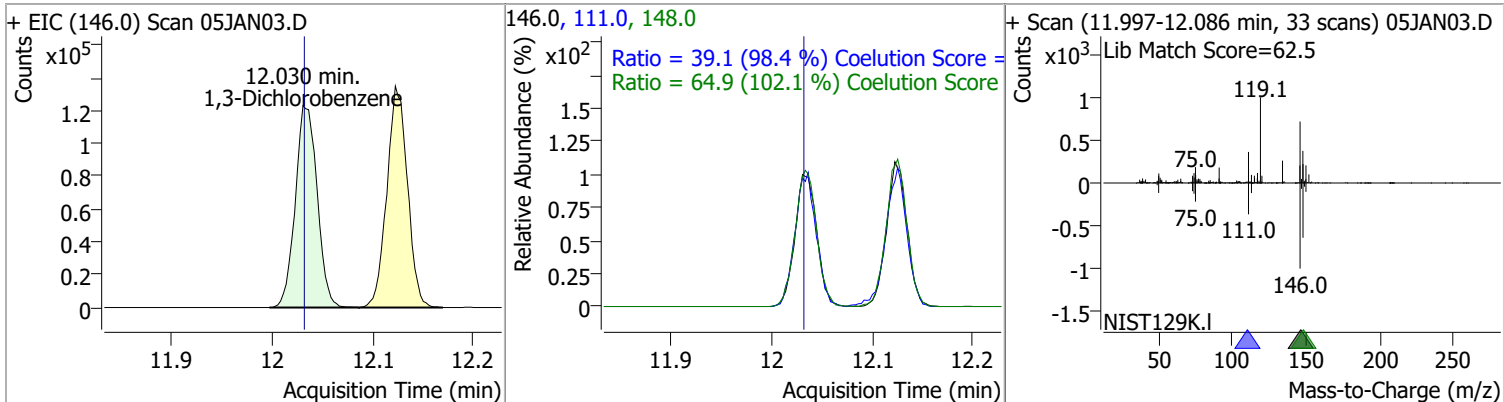


# Quantitation Results Report (QT Reviewed)

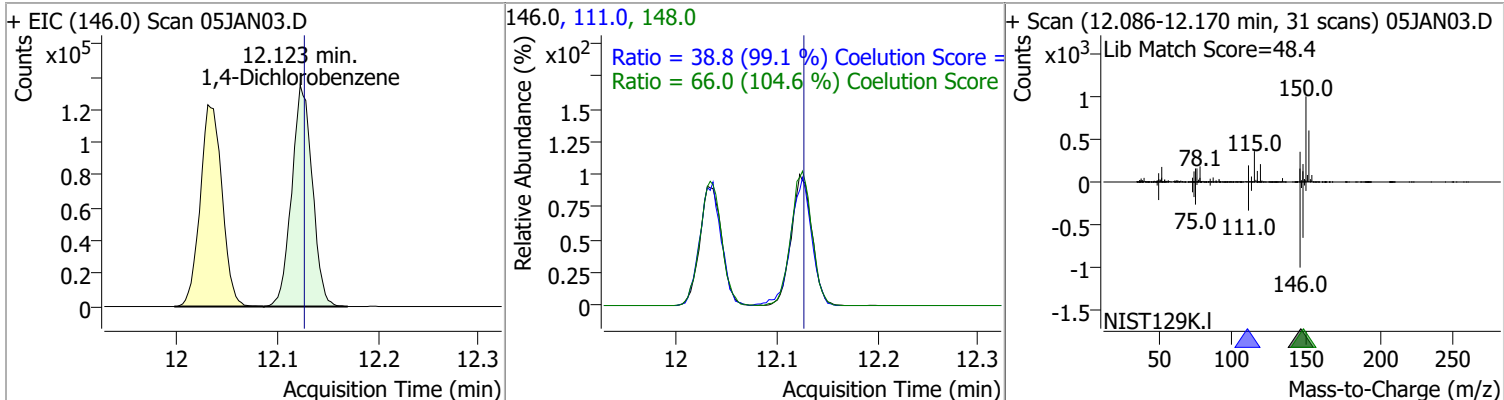
| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 4-Chlorotoluene | 136.4682 | 11.40 | 0.00     | 348025 | 126.0 | 31.9   | 1.7   | 61.7  |



| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,3-Dichlorobenzene | 129.8930 | 12.03 | 0.00     | 186227 | 148.0 | 64.9   | 33.6  | 93.6  |
|                     |          |       |          |        | 111.0 | 39.1   | 9.8   | 69.8  |

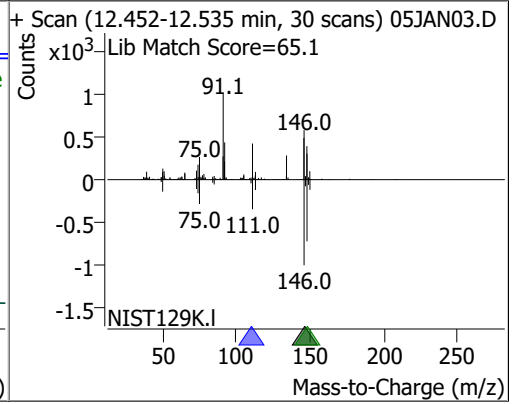
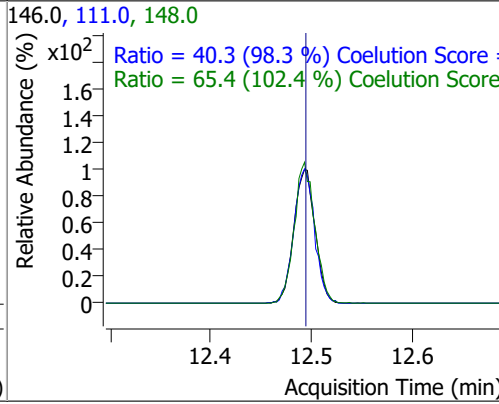
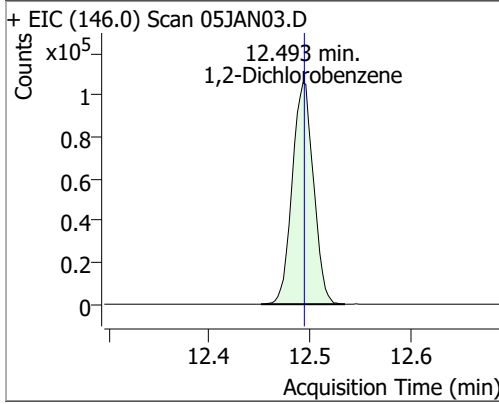


| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,4-Dichlorobenzene | 131.3733 | 12.12 | 0.00     | 192050 | 148.0 | 66.0   | 33.1  | 93.1  |
|                     |          |       |          |        | 111.0 | 38.8   | 9.1   | 69.1  |



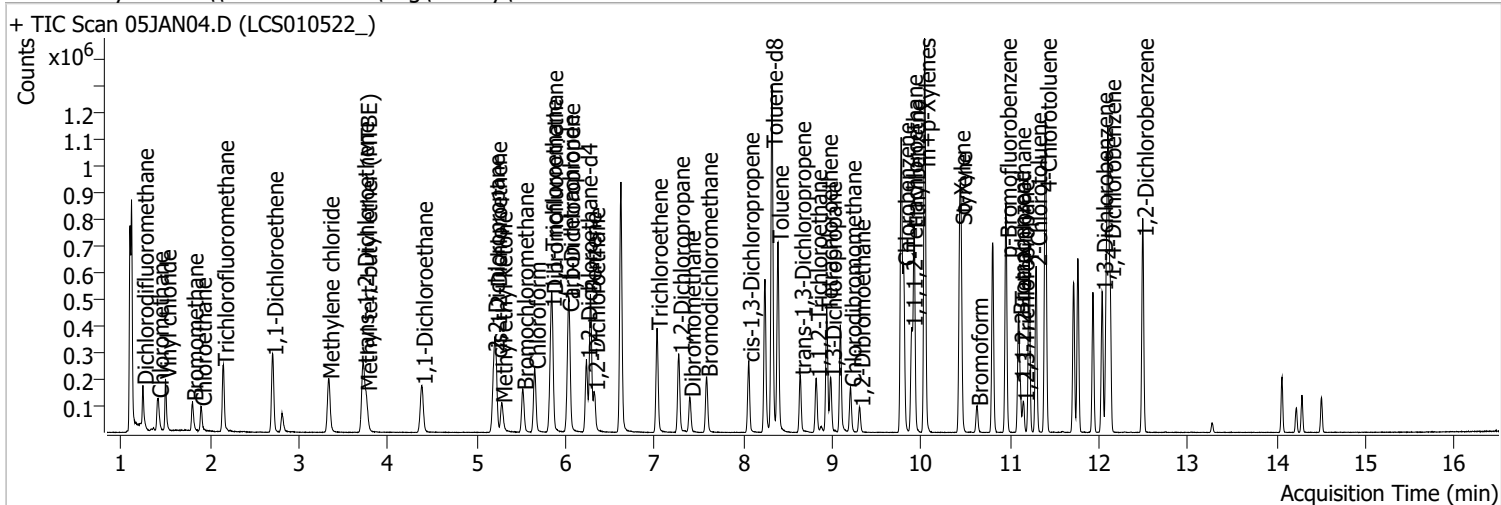
# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 128.7555 | 12.49 | 0.00     | 156006 | 148.0 | 65.4   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 40.3   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN04.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 11:27:34 AM  |
| Sample Name    | LCS010522_                          | Instrument        | VOA5975C              |
| Vial           | 4                                   | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 795901 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 307268 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 255531 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 205546 | 274.1273           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 109.65% |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 91407  | 282.2354           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 112.89% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 806393 | 272.3389           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 108.94% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 252422 | 269.6410           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 107.86% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 1.244                | 85.0  | 113781 | 109.0928           | ng    | 100      |
| T Chloromethane                    | 1.411                | 50.0  | 142248 | 112.3678           | ng    | 99       |
| T Vinyl chloride                   | 1.498                | 62.0  | 137634 | 120.8294           | ng    | 89       |
| T Bromomethane                     | 1.802                | 96.0  | 55806  | 109.5654           | ng    | 94       |
| T Chloroethane                     | 1.897                | 64.0  | 65207  | 115.6337           | ng    | 99       |
| T Trichlorofluoromethane           | 2.148                | 101.0 | 175235 | 123.9423           | ng    | 99       |
| T 1,1-Dichloroethene               | 2.700                | 96.0  | 109762 | 136.9127           | ng    | 98       |
| T Methylene chloride               | 3.333                | 49.0  | 151653 | 128.3209           | ng    | 99       |
| T trans-1,2-Dichloroethene         | 3.720                | 96.0  | 110475 | 135.0707           | ng    | 99       |
| T Methyl tert-butyl ether (MTBE)   | 3.754                | 73.0  | 151310 | 143.1239           | ng    | 99       |
| T 1,1-Dichloroethane               | 4.381                | 63.0  | 211828 | 139.1372           | ng    | 99       |
| T 2,2-Dichloropropane              | 5.193                | 77.0  | 151230 | 132.5671           | ng    | 99       |
| T cis-1,2-Dichloroethene           | 5.218                | 96.0  | 111191 | 134.0879           | ng    | 99       |
| T Methyl ethyl ketone              | 5.279                | 43.0  | 146436 | 1303.7020          | ng    | 97       |
| T Bromochloromethane               | 5.519                | 128.0 | 46484  | 135.3123           | ng    | 99       |
| T Chloroform                       | 5.653                | 83.0  | 186606 | 123.1607           | ng    | 100      |

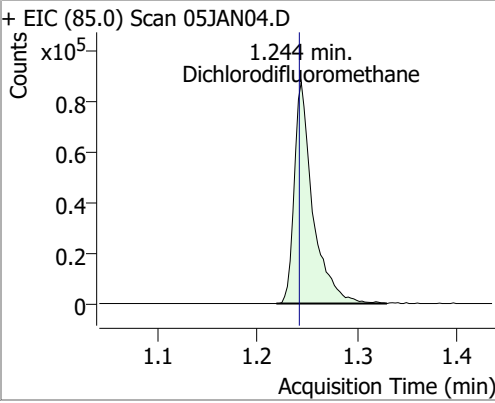
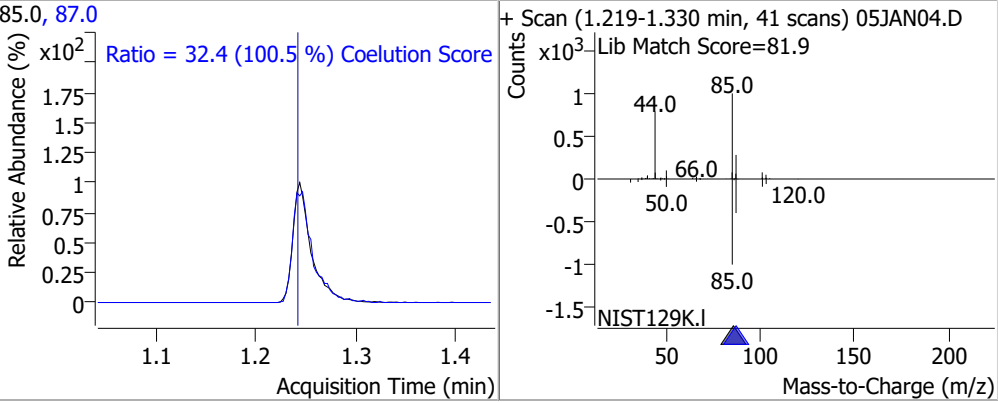
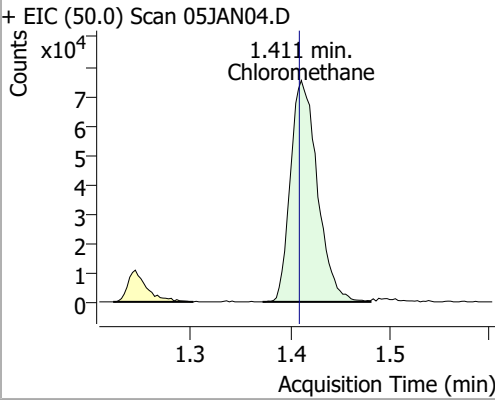
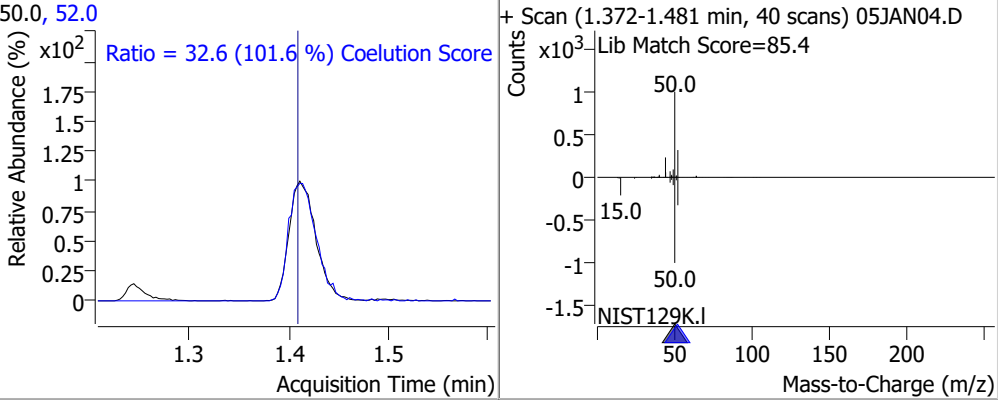
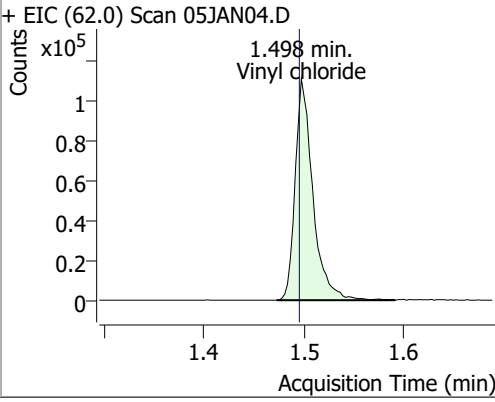
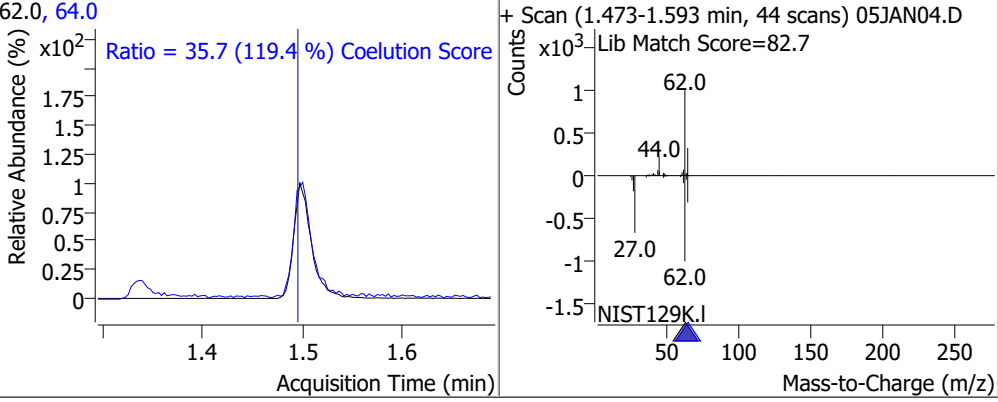
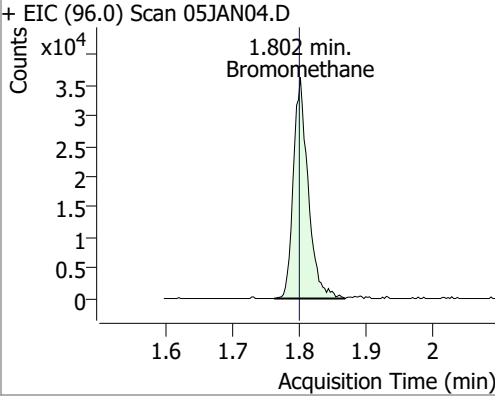
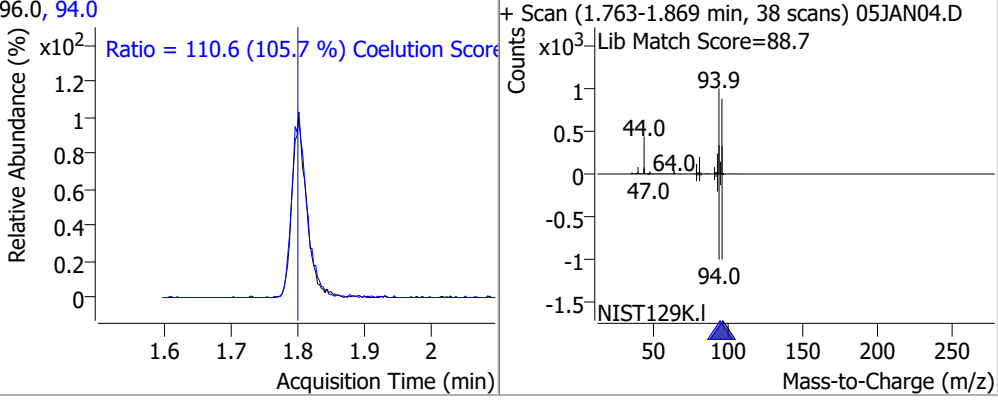
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.  | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|--------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.834  | 97.0  | 179093 | 126.1281 | ng    | 99       |
| T Carbon tetrachloride      | 6.027  | 117.0 | 168794 | 120.6526 | ng    | 98       |
| T 1,1-Dichloropropene       | 6.038  | 75.0  | 148070 | 122.6447 | ng    | 100      |
| T Benzene                   | 6.277  | 78.0  | 425505 | 134.2741 | ng    | 100      |
| T 1,2-Dichloroethane        | 6.319  | 62.0  | 109086 | 127.2472 | ng    | 96       |
| T Trichloroethene           | 7.025  | 95.0  | 118702 | 128.0937 | ng    | 98       |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 104508 | 128.2082 | ng    | 100      |
| T Dibromomethane            | 7.396  | 93.0  | 44870  | 130.2581 | ng    | 96       |
| T Bromodichloromethane      | 7.585  | 83.0  | 127493 | 134.1093 | ng    | 98       |
| T cis-1,3-Dichloropropene   | 8.057  | 75.0  | 135033 | 125.6294 | ng    | 99       |
| T Toluene                   | 8.386  | 92.0  | 268829 | 134.4045 | ng    | 98       |
| T trans-1,3-Dichloropropene | 8.637  | 75.0  | 105613 | 138.0384 | ng    | 97       |
| T 1,1,2-Trichloroethane     | 8.818  | 83.0  | 52727  | 132.3073 | ng    | 95       |
| T Tetrachloroethene         | 8.938  | 163.8 | 104015 | 127.4710 | ng    | 98       |
| T 1,3-Dichloropropane       | 8.982  | 76.0  | 101295 | 129.2235 | ng    | 99       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 82588  | 132.5988 | ng    | 97       |
| T 1,2-Dibromoethane         | 9.303  | 107.0 | 58316  | 133.8295 | ng    | 98       |
| T Chlorobenzene             | 9.802  | 112.0 | 290162 | 132.5073 | ng    | 99       |
| T 1,1,1,2-Tetrachloroethane | 9.892  | 131.0 | 97391  | 127.2305 | ng    | 96       |
| T Ethylbenzene              | 9.922  | 91.0  | 490561 | 129.1693 | ng    | 99       |
| T m+p-Xylenes               | 10.037 | 106.0 | 383847 | 260.0800 | ng    | 99       |
| T o-Xylene                  | 10.430 | 106.0 | 172476 | 131.2732 | ng    | 99       |
| T Styrene                   | 10.449 | 104.0 | 285925 | 135.1658 | ng    | 98       |
| T Bromoform                 | 10.628 | 172.5 | 46366  | 141.7950 | ng    | 94       |
| T Bromobenzene              | 11.096 | 156.0 | 112763 | 136.3576 | ng    | 98       |
| T 1,1,2,2-Tetrachloroethane | 11.113 | 83.0  | 63459  | 133.3239 | ng    | 97       |
| T 1,2,3-Trichloropropane    | 11.149 | 110.0 | 16771  | 131.6839 | ng    | 98       |
| T 2-Chlorotoluene           | 11.291 | 126.0 | 110603 | 134.4181 | ng    | 99       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 365720 | 136.3209 | ng    | 99       |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 203215 | 134.7385 | ng    | 98       |
| T 1,4-Dichlorobenzene       | 12.125 | 146.0 | 200166 | 130.1595 | ng    | 98       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 168243 | 131.9940 | ng    | 99       |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak



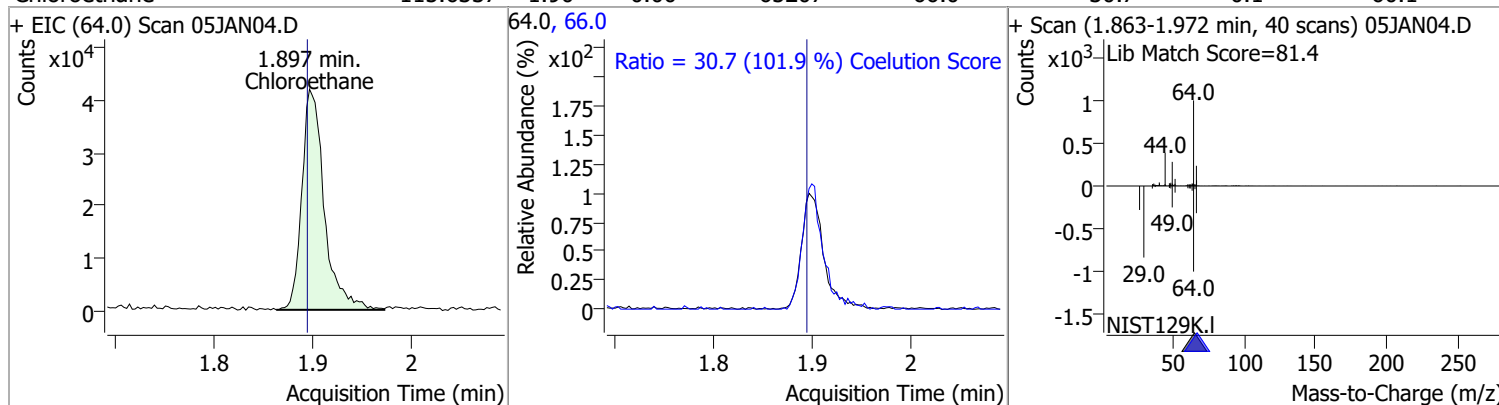
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc.                                   | RT   | Dev(Min)   | Resp.  | QIon | QRatio                                       | Lower | Upper |
|--|---|------|--|--------|------|--|-------|-------|
| Dichlorodifluoromethane  | 109.0928                                | 1.24 | 0.00   | 113781 | 87.0 | 32.4   | 2.3   | 62.3  |
| + EIC (85.0) Scan 05JAN04.D  |   |      | 85.0, 87.0   |        |      | + Scan (1.219-1.330 min, 41 scans) 05JAN04.D |       |       |
|    | Ratio = 32.4 (100.5 %) Coelution Score  |      |    |        |      |  |       |       |
| Chloromethane  | 112.3678                                | 1.41 | 0.00   | 142248 | 52.0 | 32.6   | 2.1   | 62.1  |
| + EIC (50.0) Scan 05JAN04.D  |   |      | 50.0, 52.0   |        |      | + Scan (1.372-1.481 min, 40 scans) 05JAN04.D |       |       |
|   | Ratio = 32.6 (101.6 %) Coelution Score  |      |   |        |      |  |       |       |
| Vinyl chloride   | 120.8294                                | 1.50 | 0.00   | 137634 | 64.0 | 35.7   | 0.0   | 59.9  |
| + EIC (62.0) Scan 05JAN04.D  |   |      | 62.0, 64.0   |        |      | + Scan (1.473-1.593 min, 44 scans) 05JAN04.D |       |       |
|  | Ratio = 35.7 (119.4 %) Coelution Score  |      |  |        |      |  |       |       |
| Bromomethane   | 109.5654                                | 1.80 | 0.00   | 55806  | 94.0 | 110.6  | 74.6  | 134.6 |
| + EIC (96.0) Scan 05JAN04.D  |   |      | 96.0, 94.0   |        |      | + Scan (1.763-1.869 min, 38 scans) 05JAN04.D |       |       |
|  | Ratio = 110.6 (105.7 %) Coelution Score |      |  |        |      |  |       |       |

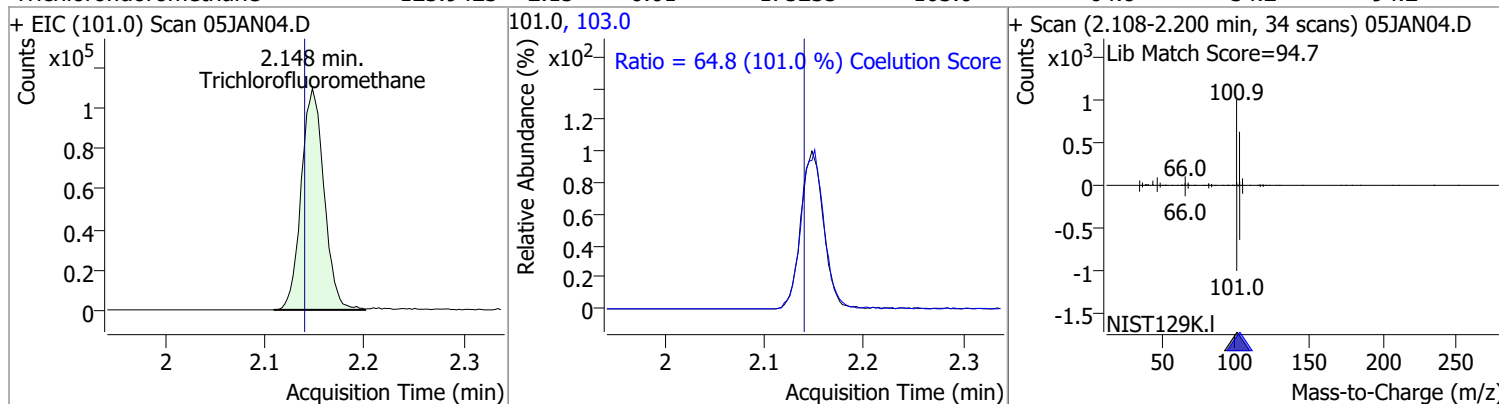


# Quantitation Results Report (QT Reviewed)

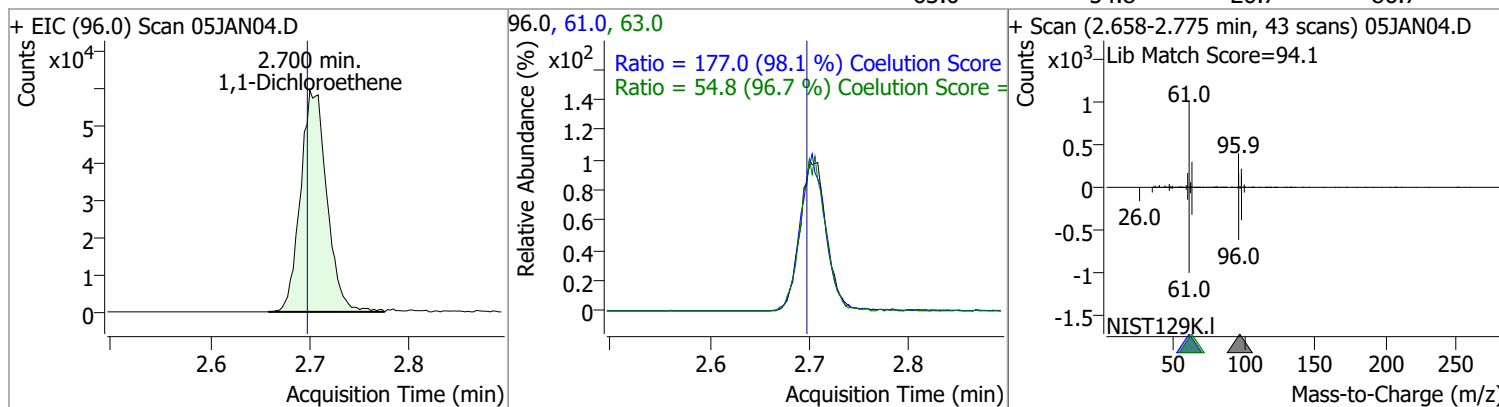
| Compound     | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|-------|------|--------|-------|-------|
| Chloroethane | 115.6337 | 1.90 | 0.00     | 65207 | 66.0 | 30.7   | 0.1   | 60.1  |



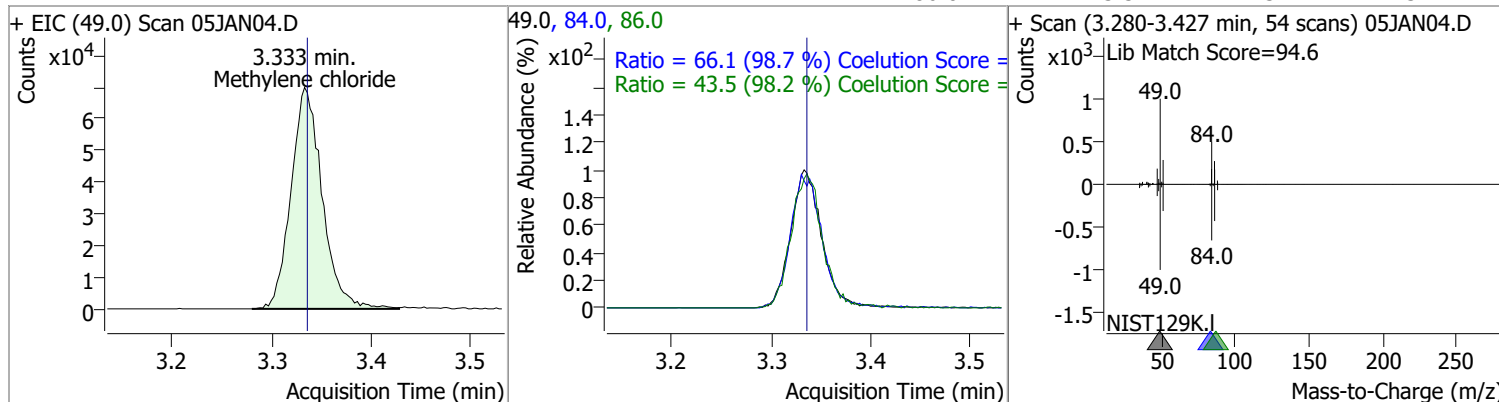
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichlorofluoromethane | 123.9423 | 2.15 | 0.01     | 175235 | 103.0 | 64.8   | 34.2  | 94.2  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethene | 136.9127 | 2.70 | 0.00     | 109762 | 61.0 | 177.0  | 150.3 | 210.3 |
|                    |          |      |          |        | 63.0 | 54.8   | 26.7  | 86.7  |

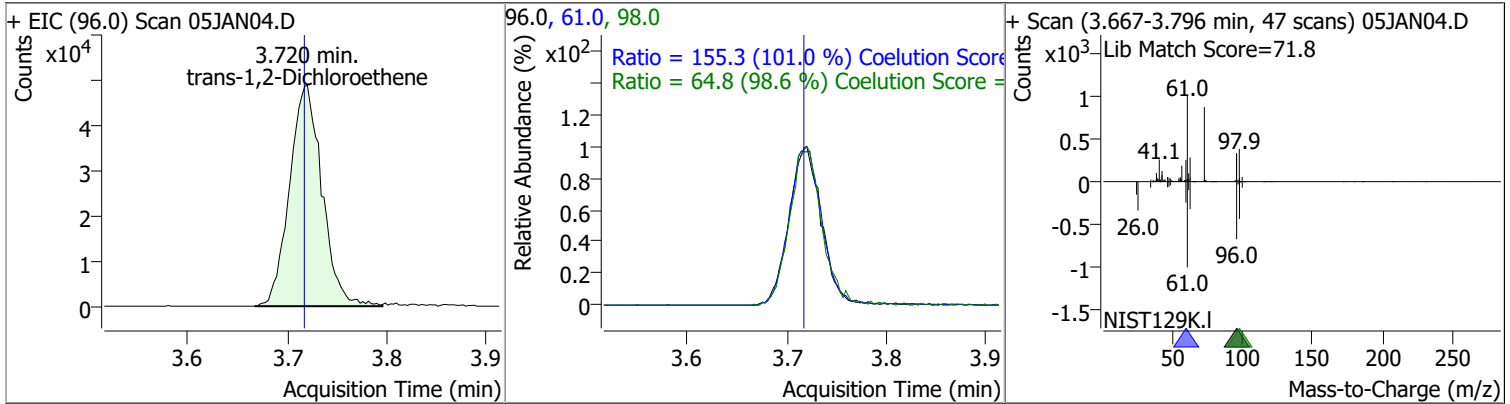


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methylene chloride | 128.3209 | 3.33 | 0.00     | 151653 | 84.0 | 66.1   | 36.9  | 96.9  |
|                    |          |      |          |        | 86.0 | 43.5   | 14.3  | 74.3  |

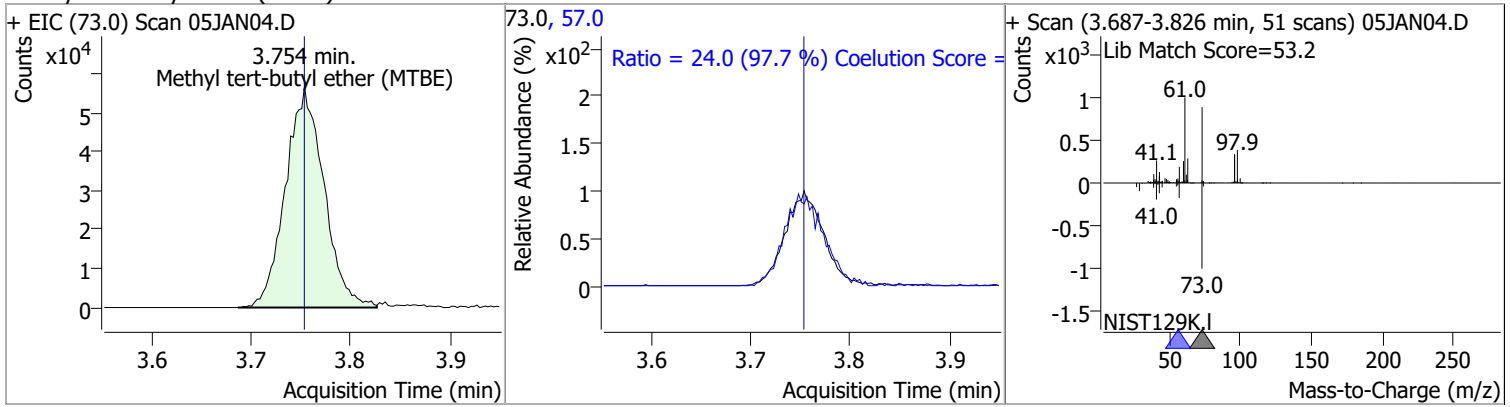


# Quantitation Results Report (QT Reviewed)

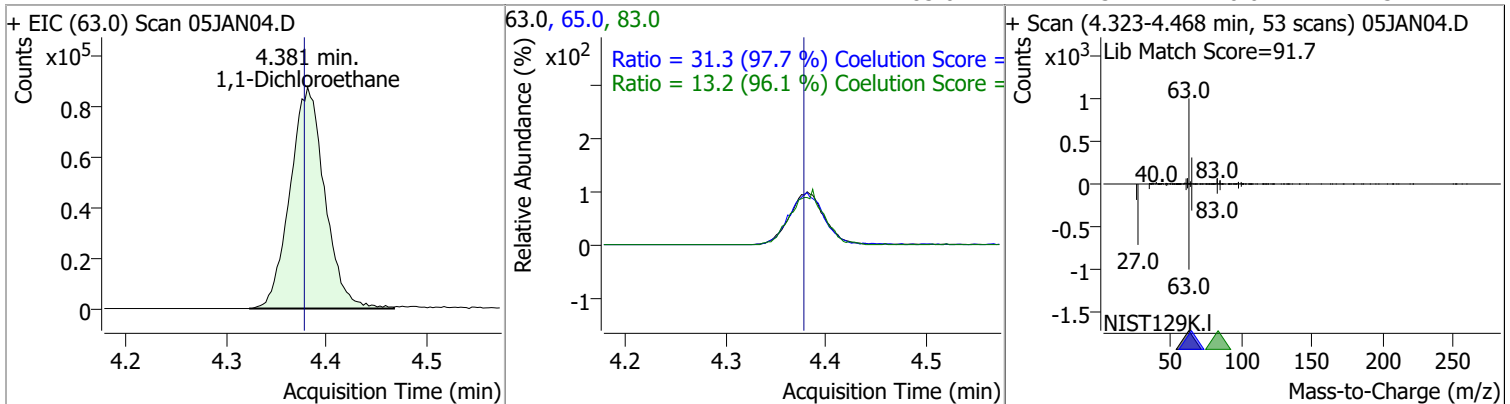
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 135.0707 | 3.72 | 0.00     | 110475 | 61.0 | 155.3  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 64.8   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 143.1239 | 3.75 | 0.00     | 151310 | 57.0 | 24.0   | 0.0   | 54.6  |

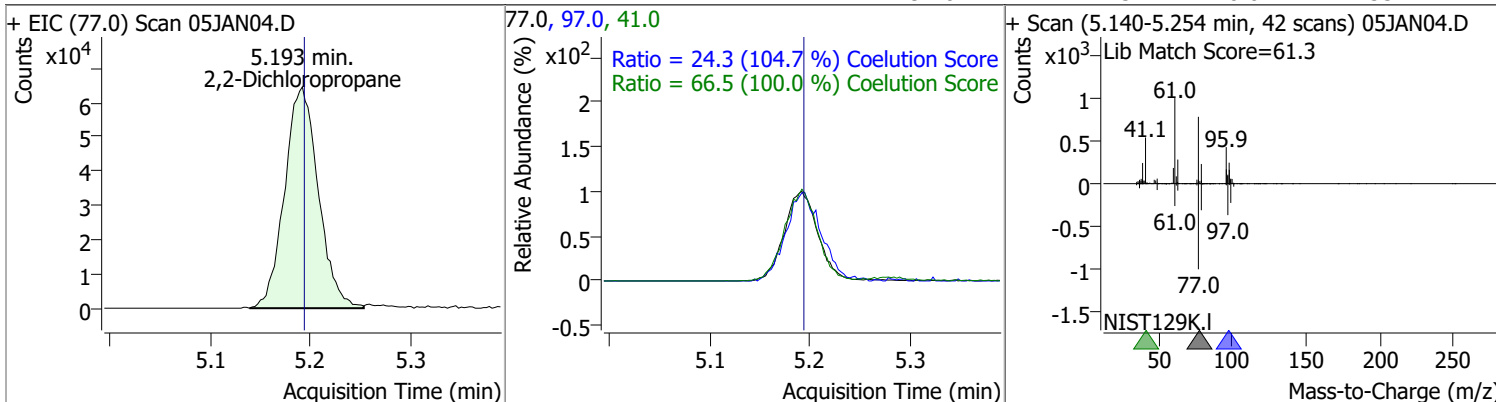


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 139.1372 | 4.38 | 0.00     | 211828 | 65.0 | 31.3   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 13.2   | 0.0   | 43.7  |

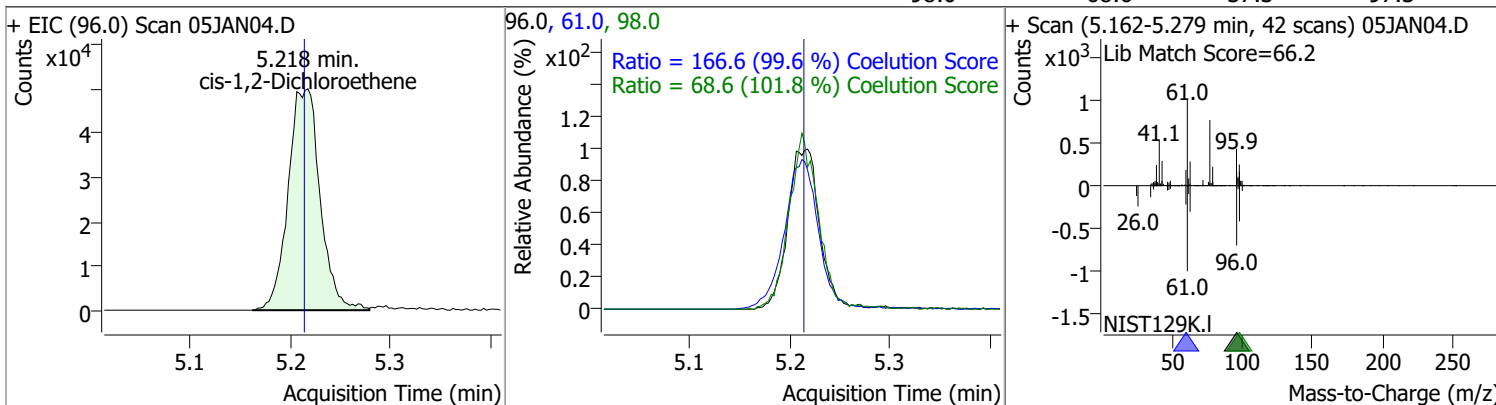


# Quantitation Results Report (QT Reviewed)

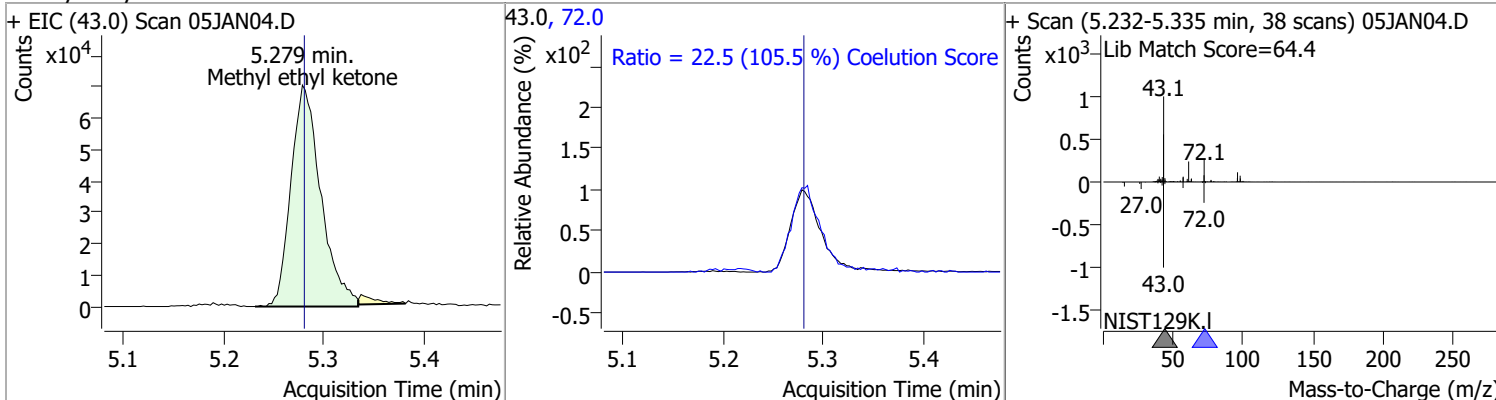
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 132.5671 | 5.19 | 0.00     | 151230 | 41.0 | 66.5   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 24.3   | 0.0   | 53.2  |



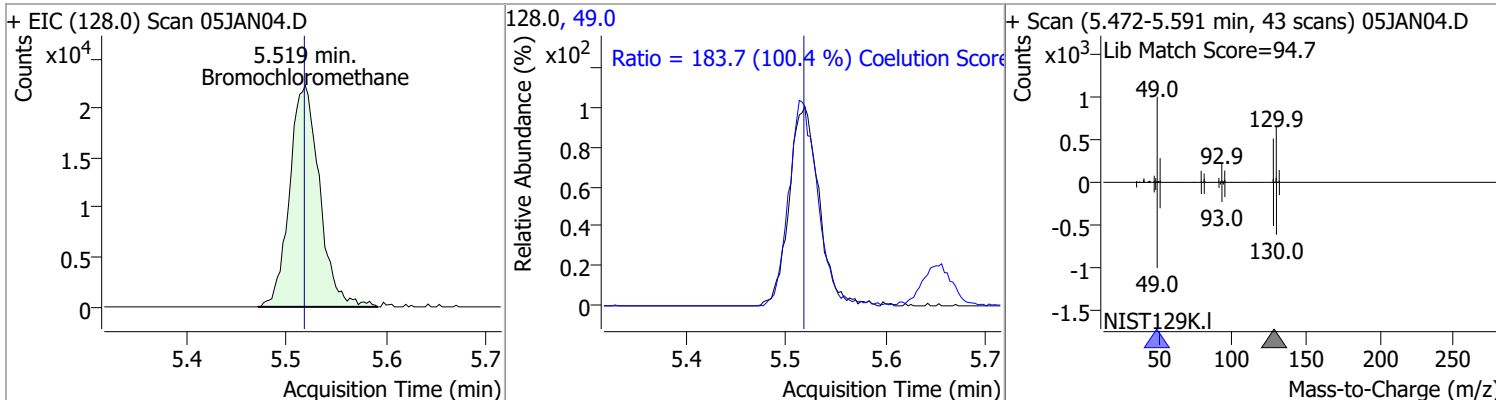
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 134.0879 | 5.22 | 0.00     | 111191 | 61.0 | 166.6  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 68.6   | 37.3  | 97.3  |



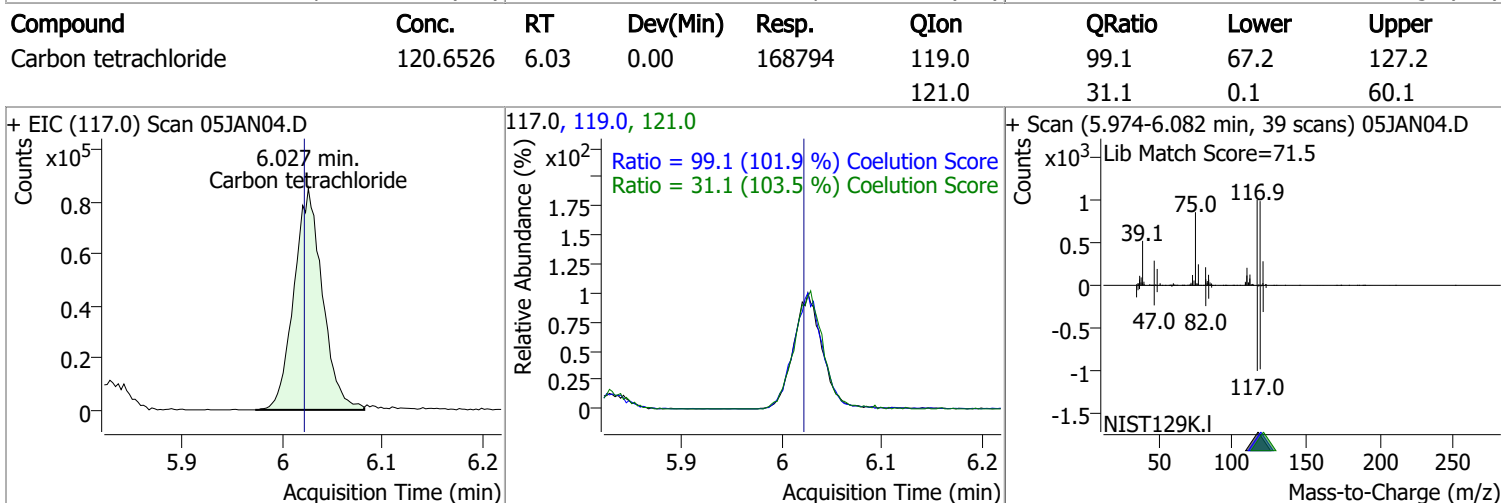
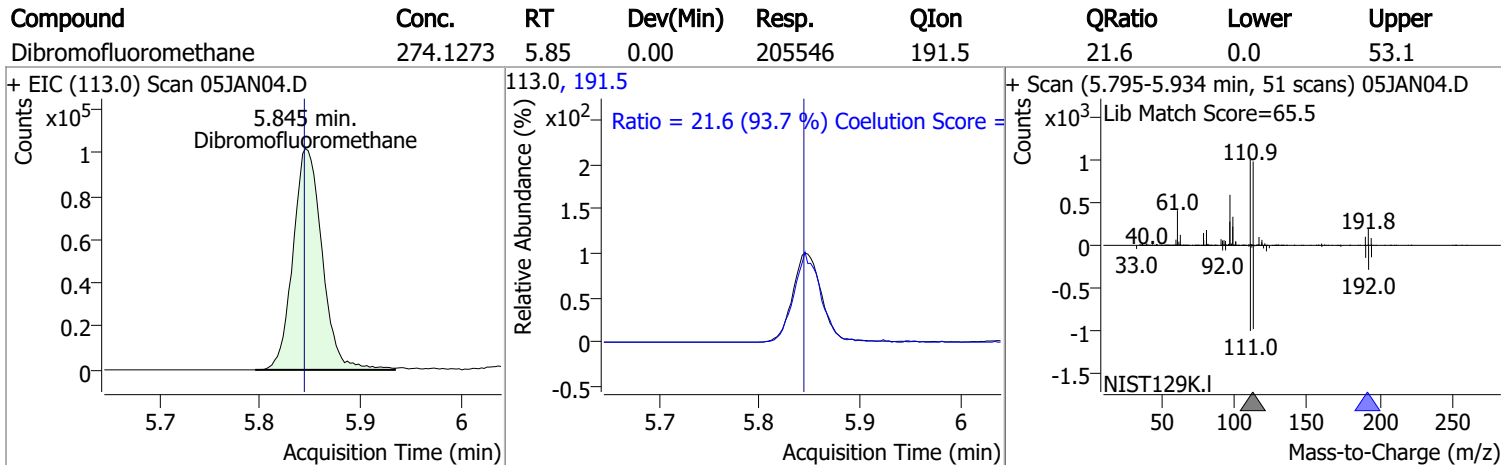
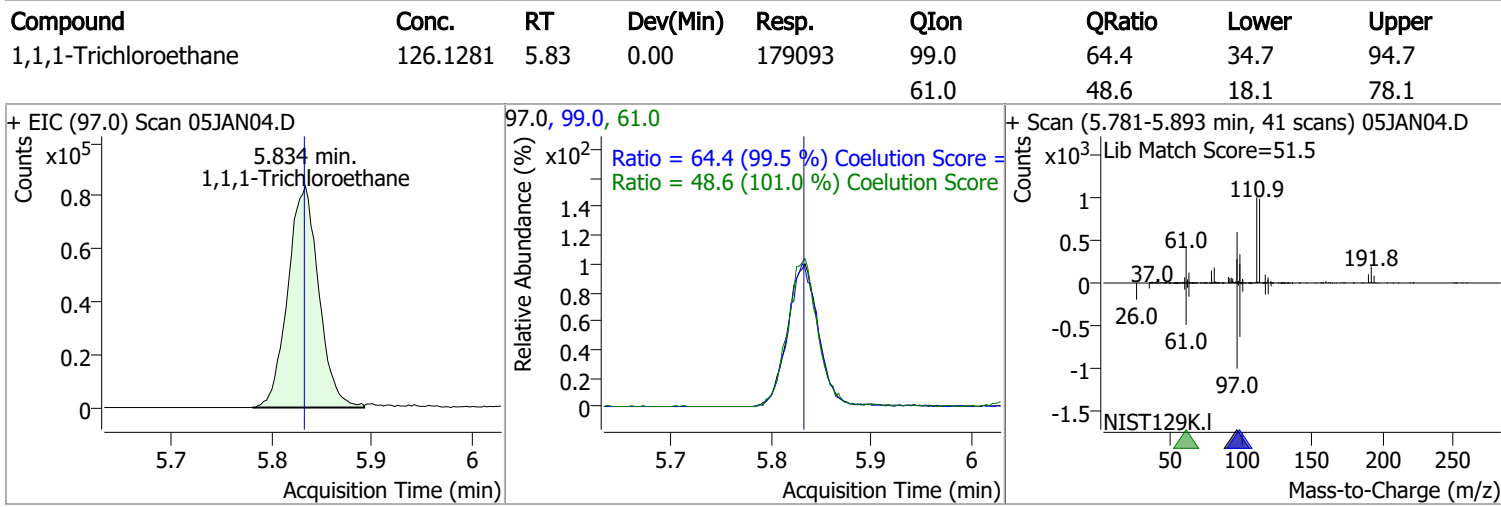
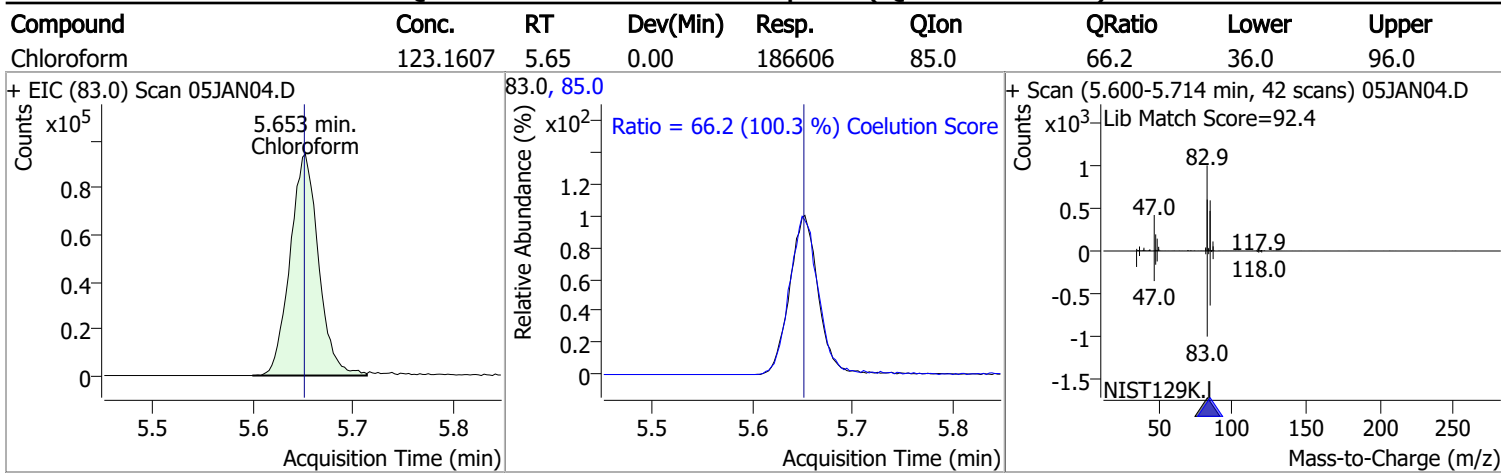
| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 1303.7020 | 5.28 | 0.00     | 146436 | 72.0 | 22.5   | 0.0   | 51.3  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 135.3123 | 5.52 | 0.00     | 46484 | 49.0 | 183.7  | 152.9 | 212.9 |

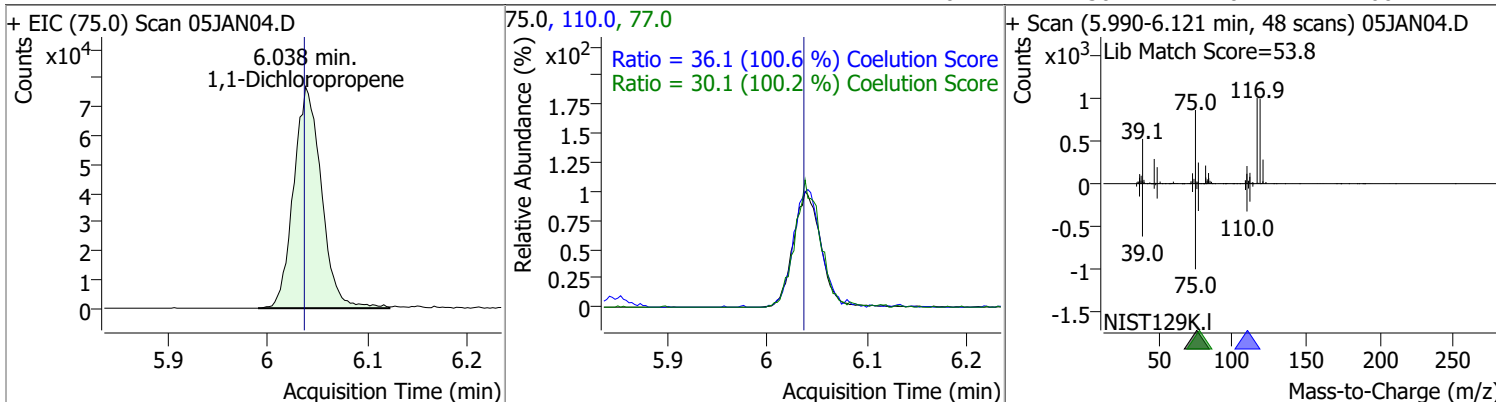


# Quantitation Results Report (QT Reviewed)

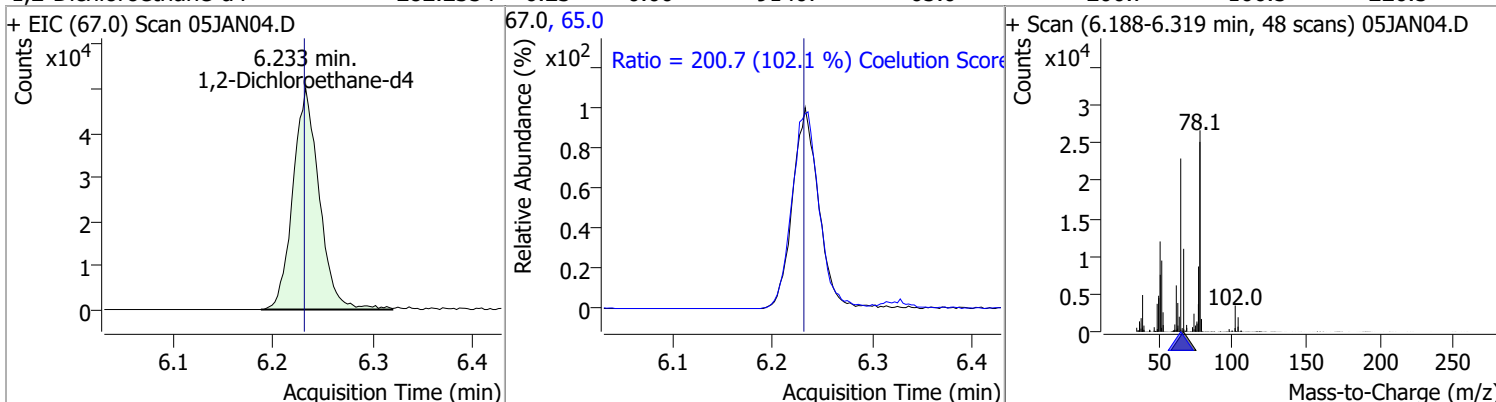


# Quantitation Results Report (QT Reviewed)

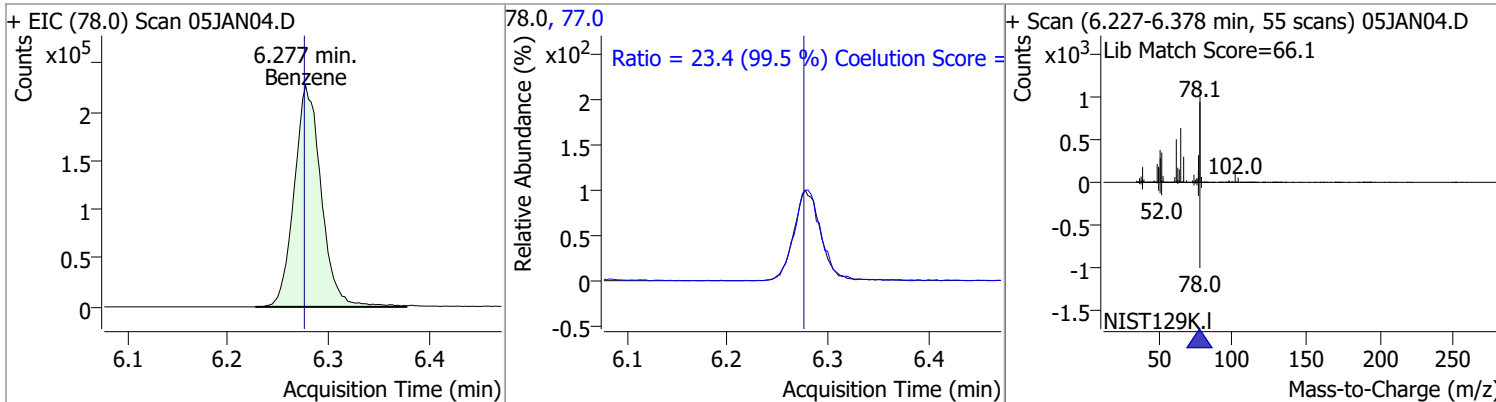
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 122.6447 | 6.04 | 0.00     | 148070 | 110.0 | 36.1   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.1   | 0.1   | 60.1  |



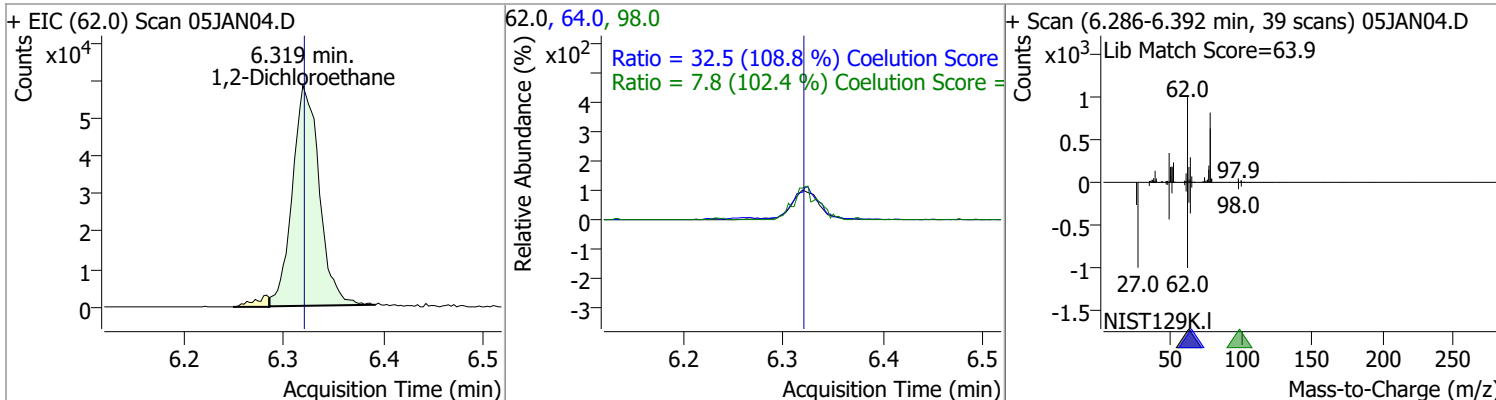
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 282.2354 | 6.23 | 0.00     | 91407 | 65.0 | 200.7  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 134.2741 | 6.28 | 0.00     | 425505 | 77.0 | 23.4   | 0.0   | 53.5  |

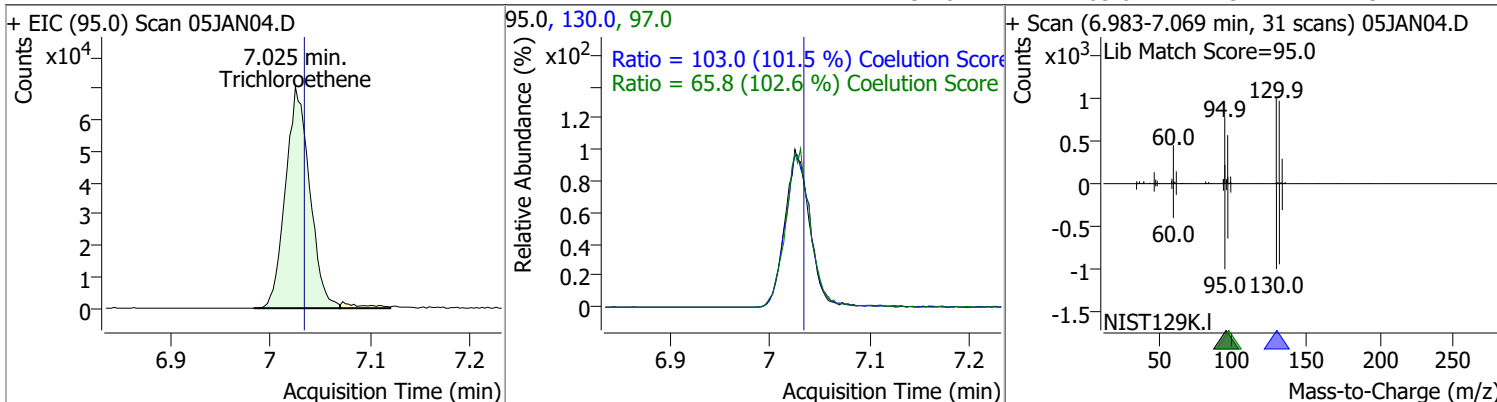


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 127.2472 | 6.32 | 0.00     | 109086 | 64.0 | 32.5   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 7.8    | 0.0   | 37.6  |

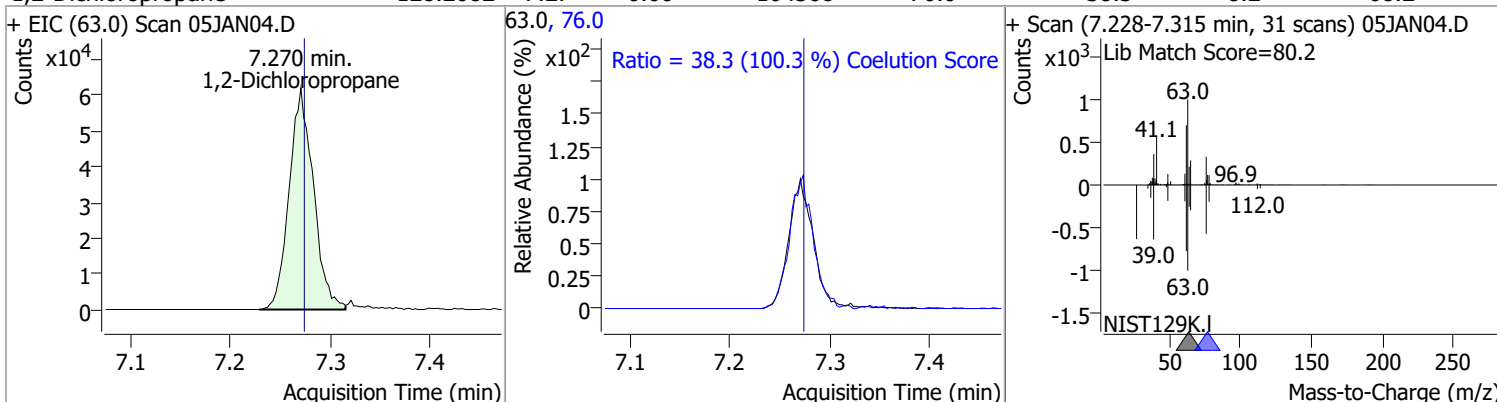


# Quantitation Results Report (QT Reviewed)

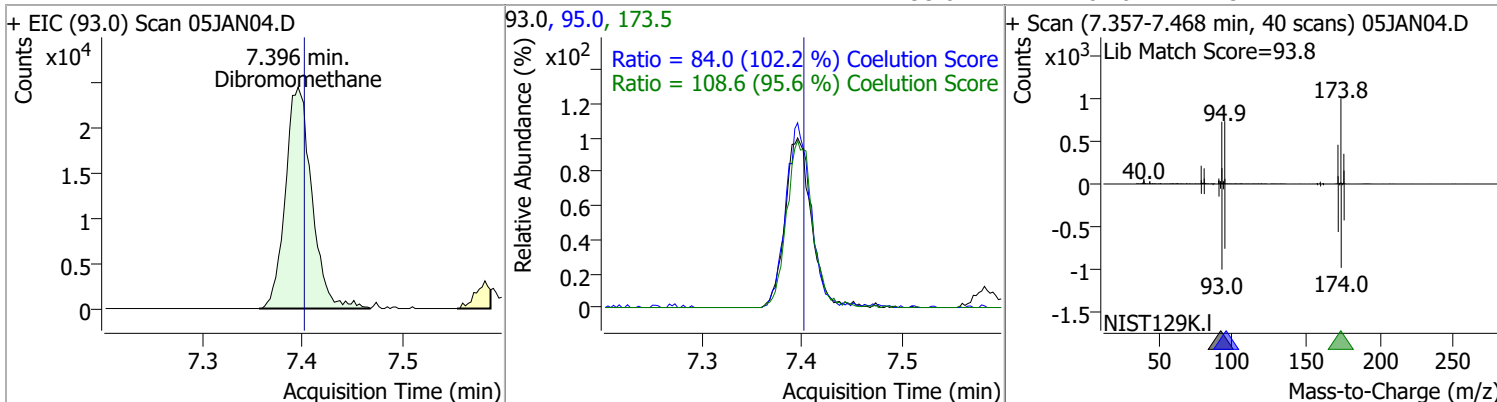
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 128.0937 | 7.02 | -0.01    | 118702 | 130.0 | 103.0  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 65.8   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloropropane | 128.2082 | 7.27 | 0.00     | 104508 | 76.0 | 38.3   | 8.2   | 68.2  |

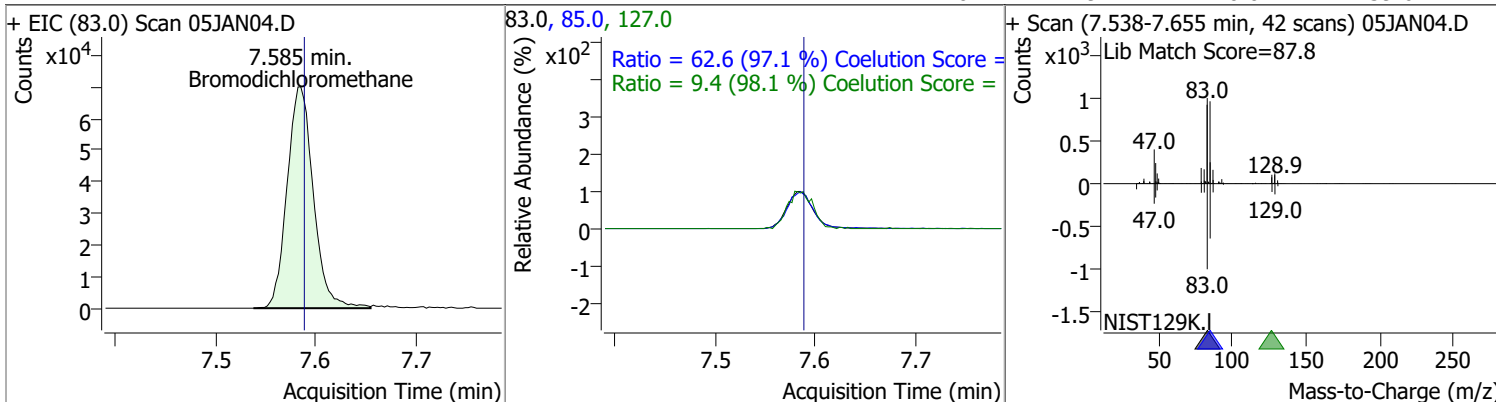


| Compound       | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 130.2581 | 7.40 | 0.00     | 44870 | 173.5 | 108.6  | 83.7  | 143.7 |
|                |          |      |          |       | 95.0  | 84.0   | 52.2  | 112.2 |

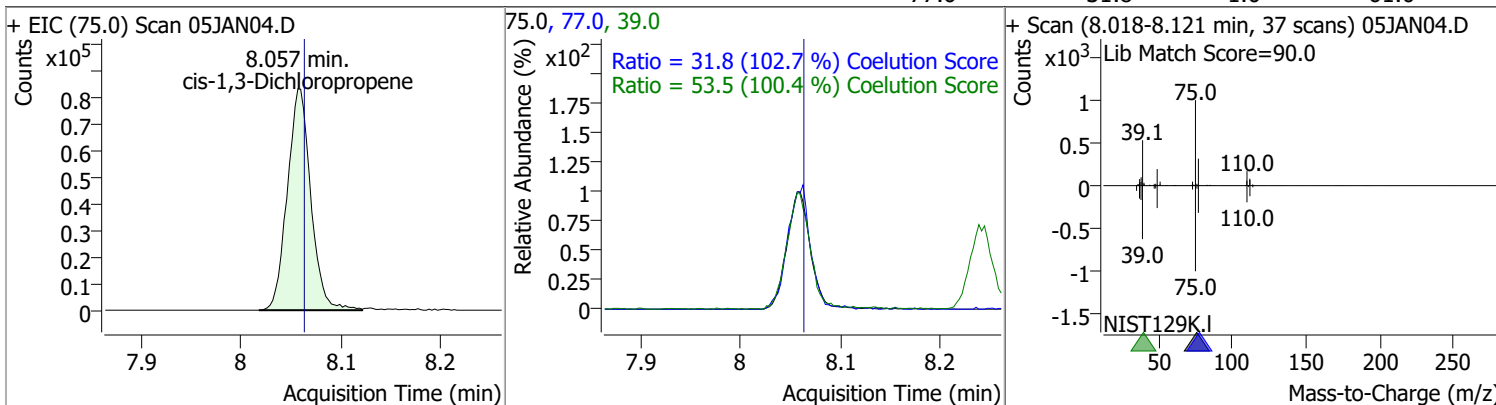


# Quantitation Results Report (QT Reviewed)

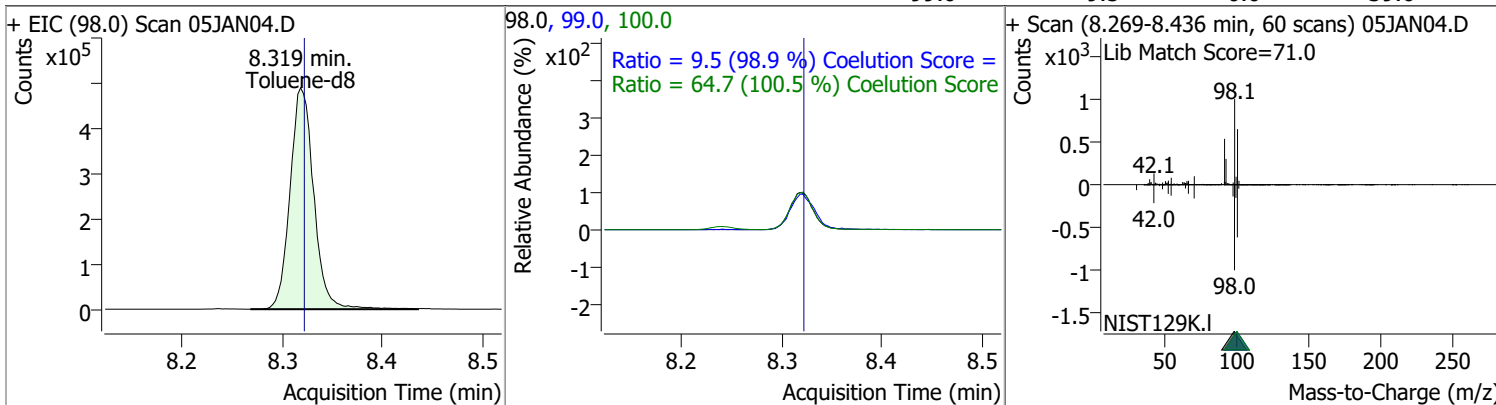
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 134.1093 | 7.59 | 0.00     | 127493 | 85.0  | 62.6   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.4    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 125.6294 | 8.06 | 0.00     | 135033 | 39.0 | 53.5   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 31.8   | 1.0   | 61.0  |

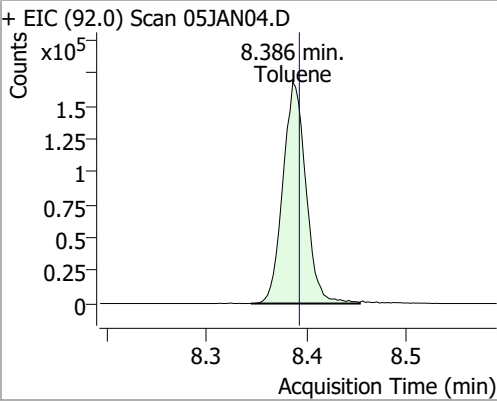
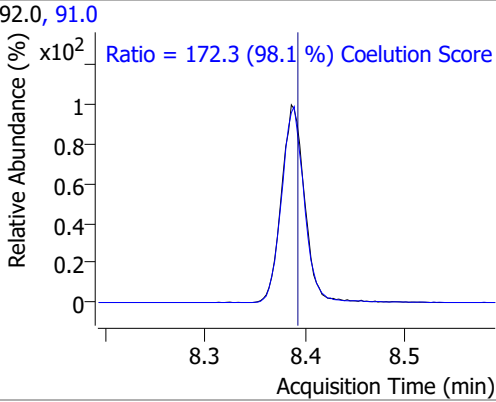
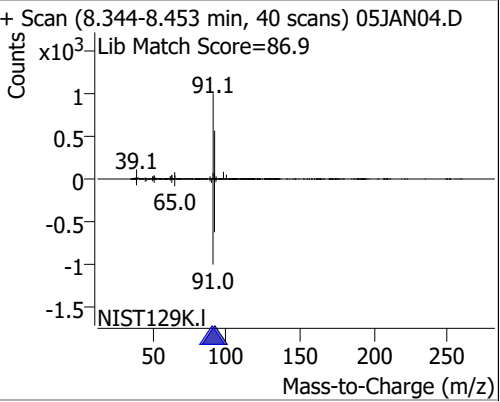
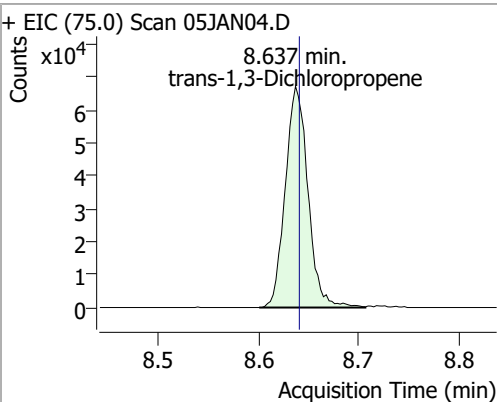
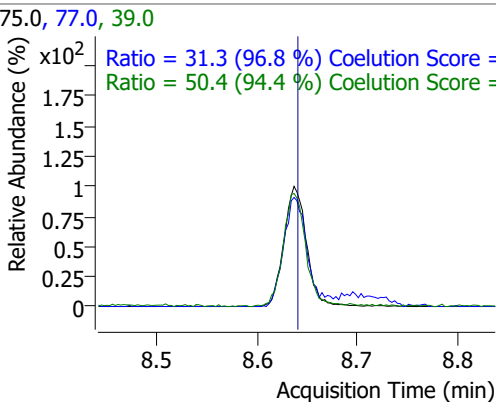
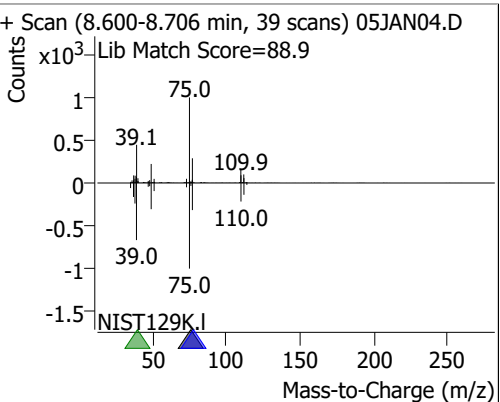
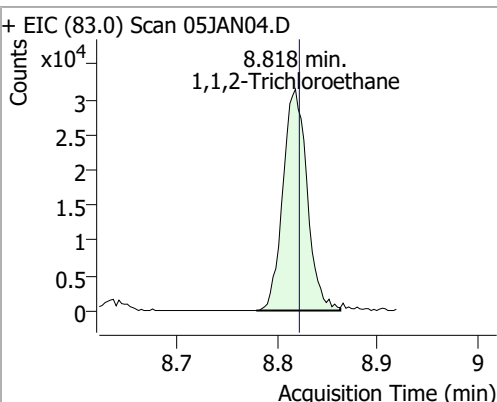
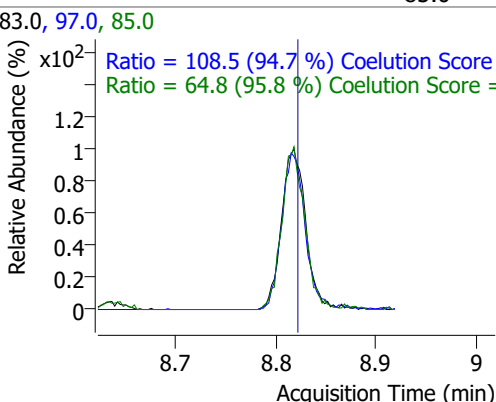
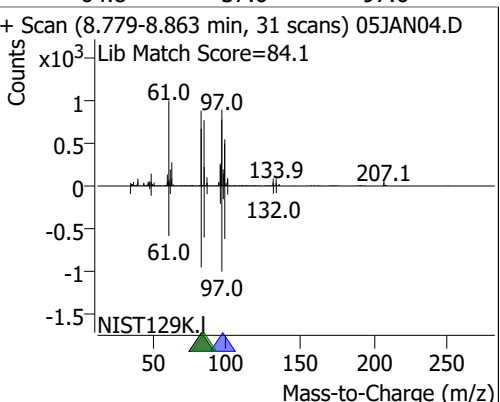


| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 272.3389 | 8.32 | 0.00     | 806393 | 100.0 | 64.7   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.5    | 0.0   | 39.6  |





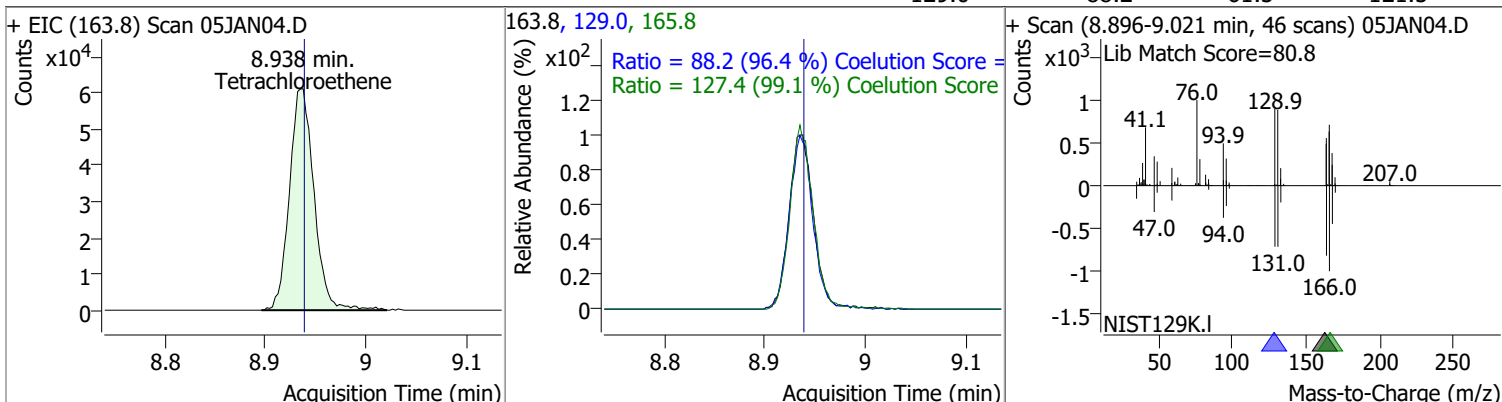
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc.                                   | RT   | Dev(Min)   | Resp.  | QIon | QRatio  | Lower | Upper |
|--|---|------|--|--------|------|---|-------|-------|
| Toluene  | 134.4045                                | 8.39 | 0.00   | 268829 | 91.0 | 172.3   | 145.8 | 205.8 |
| + EIC (92.0) Scan 05JAN04.D  |   |      | 92.0, 91.0   |        |      | + Scan (8.344-8.453 min, 40 scans) 05JAN04.D  |       |       |
|    | 8.386 min.<br>Toluene                   |      |    |        |      | Ratio = 172.3 (98.1 %) Coelution Score =  |       |       |
|  |   |      |  |        |      |    |       |       |
|  |   |      |  |        |      | Lib Match Score=86.9  |       |       |
|  |   |      |  |        |      | NIST129K.L  |       |       |
| trans-1,3-Dichloropropene  | 138.0384                                | 8.64 | 0.00   | 105613 | 39.0 | 50.4  | 23.4  | 83.4  |
| + EIC (75.0) Scan 05JAN04.D  |   |      | 75.0, 77.0, 39.0   |        |      | + Scan (8.600-8.706 min, 39 scans) 05JAN04.D  |       |       |
|   | 8.637 min.<br>trans-1,3-Dichloropropene |      |   |        |      | Ratio = 31.3 (96.8 %) Coelution Score =   |       |       |
|  |   |      |  |        |      | Ratio = 50.4 (94.4 %) Coelution Score =   |       |       |
|  |   |      |  |        |      |   |       |       |
|  |   |      |  |        |      | Lib Match Score=88.9  |       |       |
|  |   |      |  |        |      | NIST129K.L  |       |       |
| 1,1,2-Trichloroethane  | 132.3073                                | 8.82 | 0.00   | 52727  | 97.0 | 108.5   | 84.6  | 144.6 |
| + EIC (83.0) Scan 05JAN04.D  |   |      | 83.0, 97.0, 85.0   |        |      | + Scan (8.779-8.863 min, 31 scans) 05JAN04.D  |       |       |
|  | 8.818 min.<br>1,1,2-Trichloroethane     |      |  |        |      | Ratio = 108.5 (94.7 %) Coelution Score =  |       |       |
|  |   |      |  |        |      | Ratio = 64.8 (95.8 %) Coelution Score =   |       |       |
|  |   |      |  |        |      |  |       |       |
|  |   |      |  |        |      | Lib Match Score=84.1  |       |       |
|  |   |      |  |        |      | NIST129K.L  |       |       |

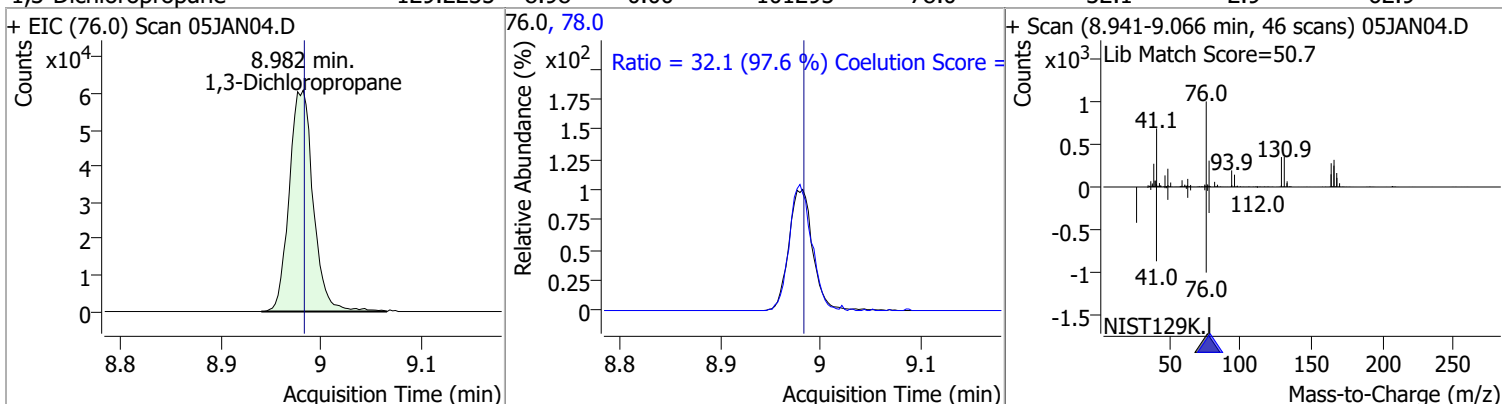


# Quantitation Results Report (QT Reviewed)

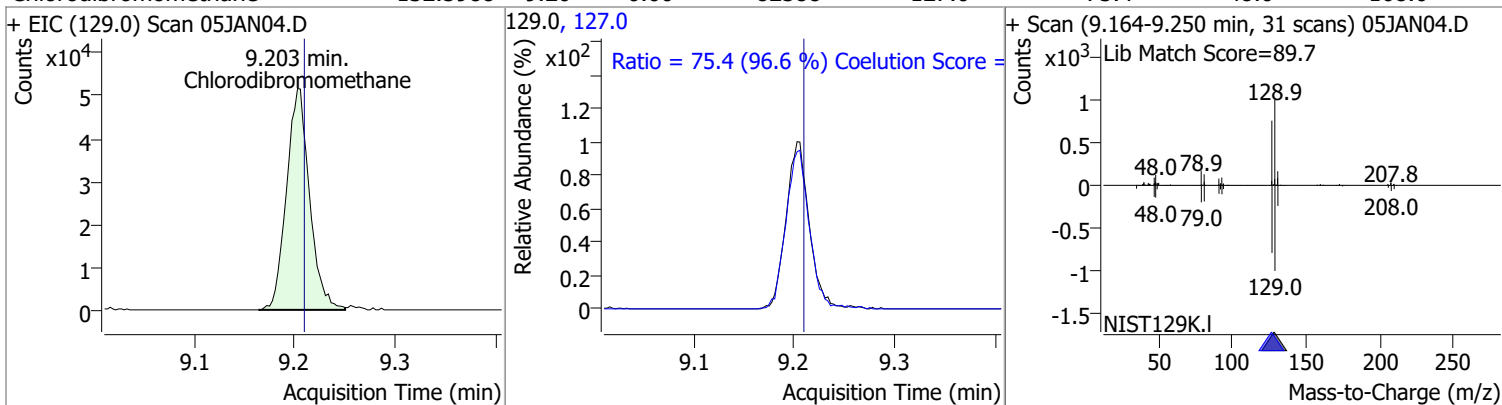
| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Tetrachloroethene | 127.4710 | 8.94 | 0.00     | 104015 | 165.8 | 127.4  | 98.6  | 158.6 |
|                   |          |      |          |        | 129.0 | 88.2   | 61.5  | 121.5 |



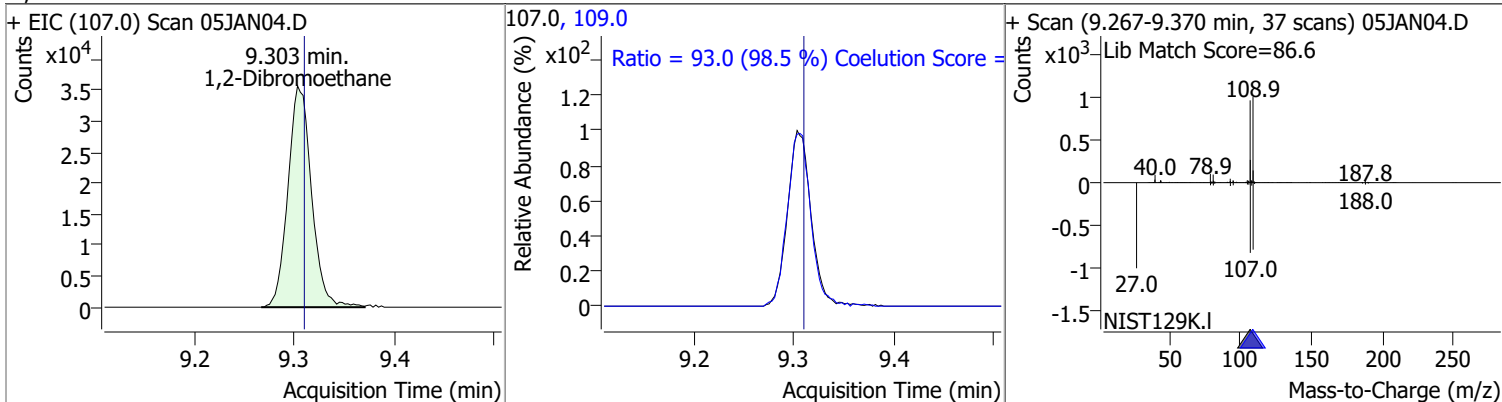
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,3-Dichloropropane | 129.2235 | 8.98 | 0.00     | 101295 | 78.0 | 32.1   | 2.9   | 62.9  |



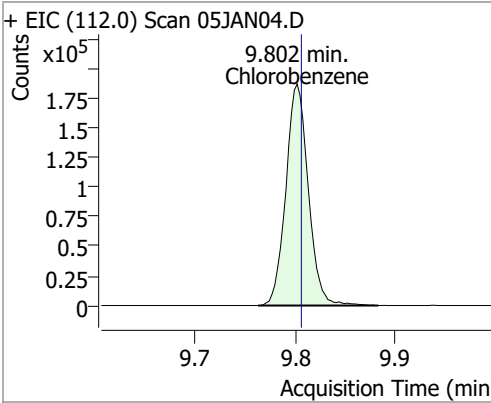
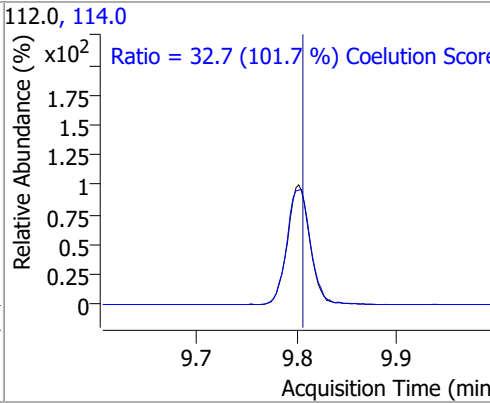
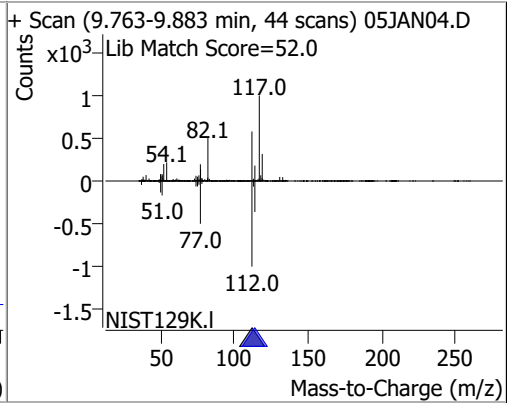
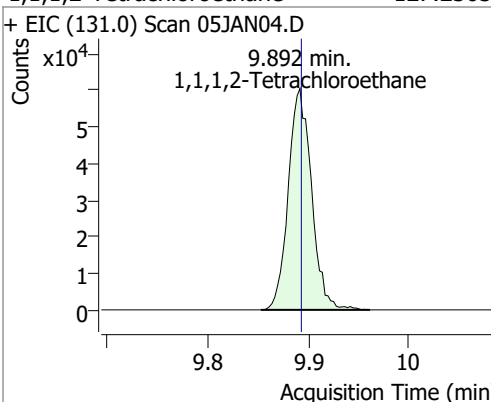
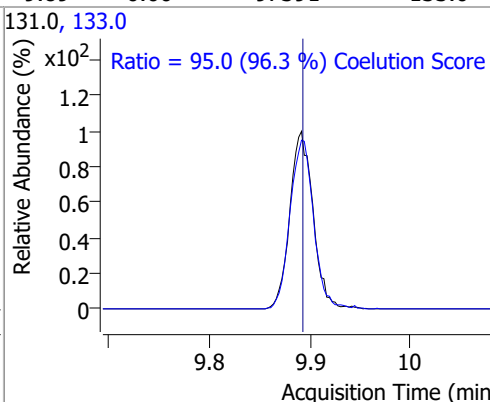
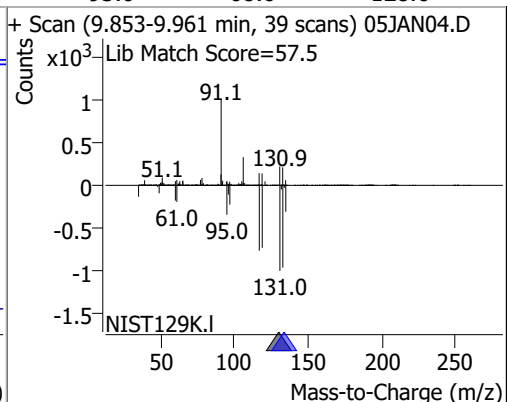
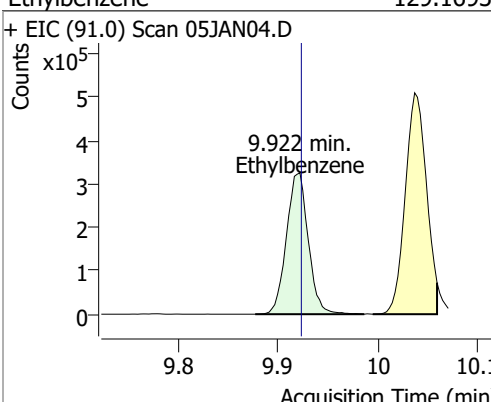
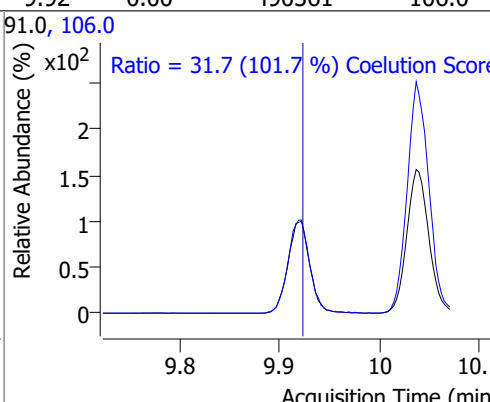
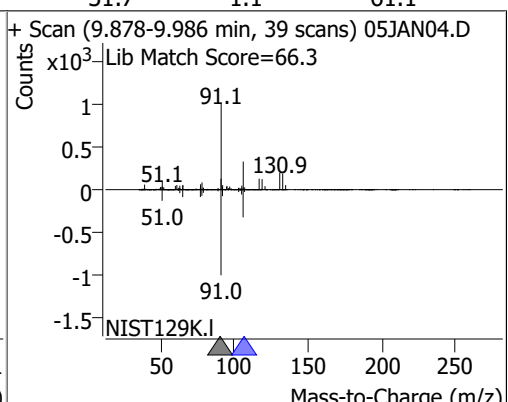
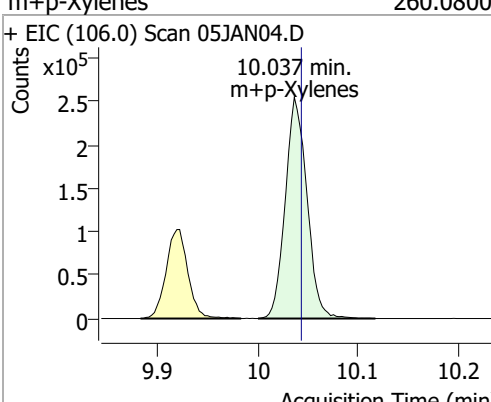
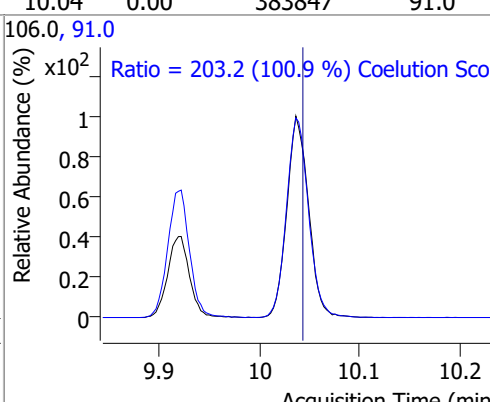
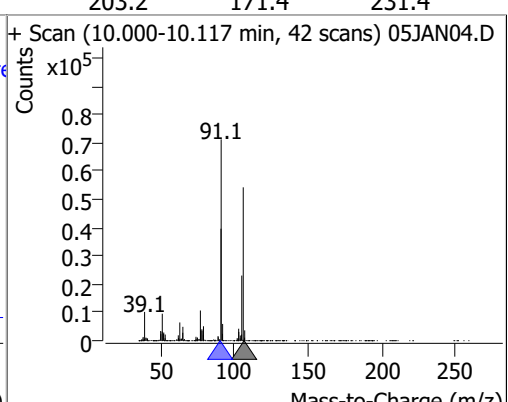
| Compound             | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 132.5988 | 9.20 | 0.00     | 82588 | 127.0 | 75.4   | 48.0  | 108.0 |



| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 133.8295 | 9.30 | 0.00     | 58316 | 109.0 | 93.0   | 64.5  | 124.5 |

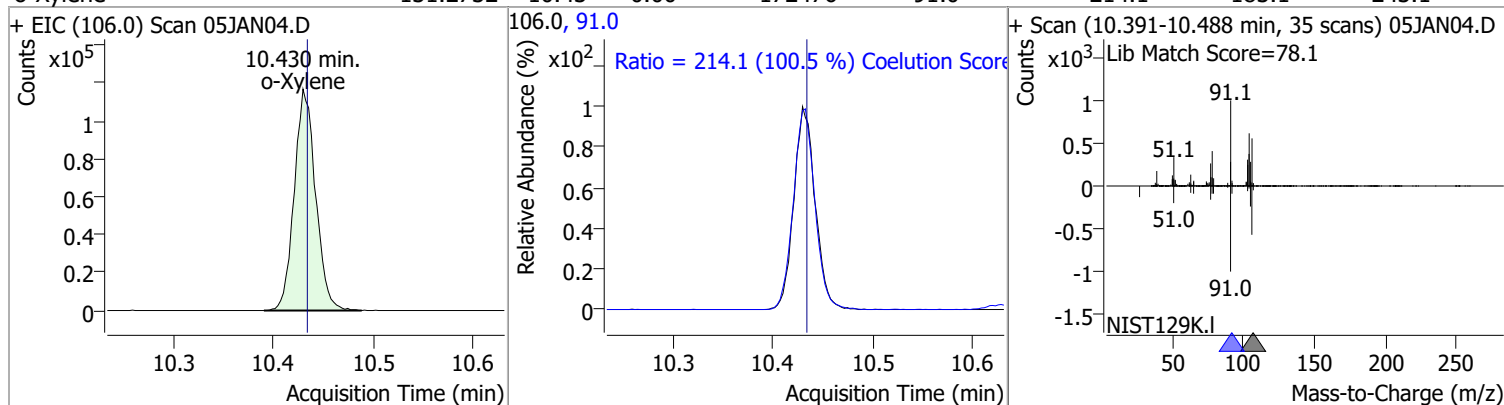


# Quantitation Results Report (QT Reviewed)

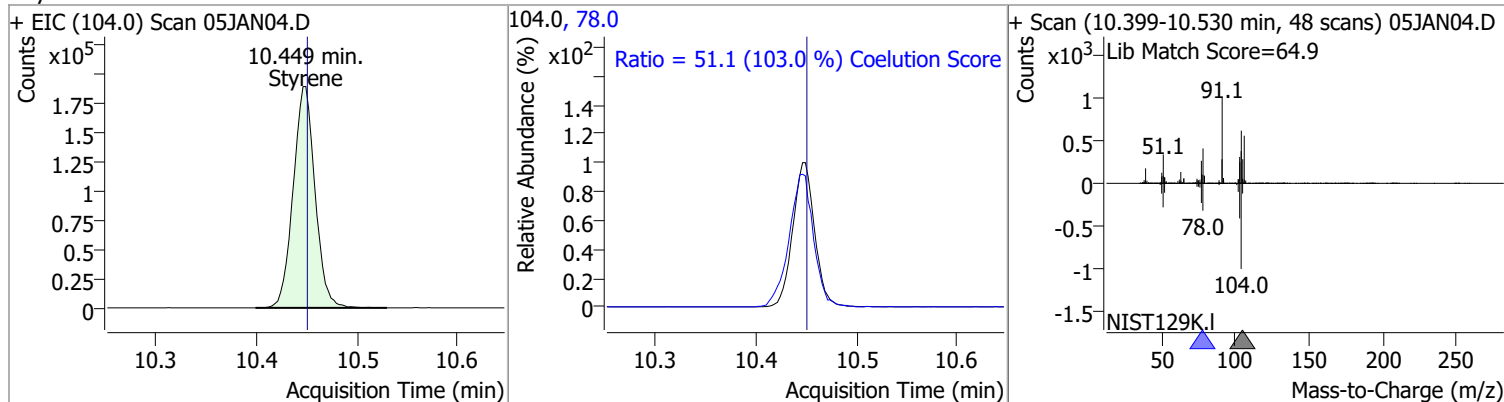
| Compound   | Conc.  | RT    | Dev(Min)  | Resp.  | QIon  | QRatio   | Lower | Upper |
|--|--|-------|---|--------|-------|--|-------|-------|
| Chlorobenzene  | 132.5073   | 9.80  | 0.00  | 290162 | 114.0 | 32.7   | 2.1   | 62.1  |
| + EIC (112.0) Scan 05JAN04.D   |  |       | 112.0, 114.0  |        |       | + Scan (9.763-9.883 min, 44 scans) 05JAN04.D   |       |       |
|    |    |       |    |        |       |  |       |       |
|  |  |       |   |        |       | Ratio = 32.7 (101.7 %) Coelution Score         |       |       |
| 1,1,1,2-Tetrachloroethane  | 127.2305   | 9.89  | 0.00  | 97391  | 133.0 | 95.0   | 68.6  | 128.6 |
| + EIC (131.0) Scan 05JAN04.D   |  |       | 131.0, 133.0  |        |       | + Scan (9.853-9.961 min, 39 scans) 05JAN04.D   |       |       |
|   |   |       |   |        |       |  |       |       |
|  |  |       |   |        |       | Ratio = 95.0 (96.3 %) Coelution Score          |       |       |
| Ethylbenzene   | 129.1693   | 9.92  | 0.00  | 490561 | 106.0 | 31.7   | 1.1   | 61.1  |
| + EIC (91.0) Scan 05JAN04.D  |  |       | 91.0, 106.0   |        |       | + Scan (9.878-9.986 min, 39 scans) 05JAN04.D   |       |       |
|  |  |       |  |        |       |  |       |       |
|  |  |       |   |        |       | Ratio = 31.7 (101.7 %) Coelution Score         |       |       |
| m+p-Xylenes  | 260.0800   | 10.04 | 0.00  | 383847 | 91.0  | 203.2  | 171.4 | 231.4 |
| + EIC (106.0) Scan 05JAN04.D   |  |       | 106.0, 91.0   |        |       | + Scan (10.000-10.117 min, 42 scans) 05JAN04.D |       |       |
|  |  |       |  |        |       |  |       |       |
|  |  |       |   |        |       | Ratio = 203.2 (100.9 %) Coelution Score        |       |       |

# Quantitation Results Report (QT Reviewed)

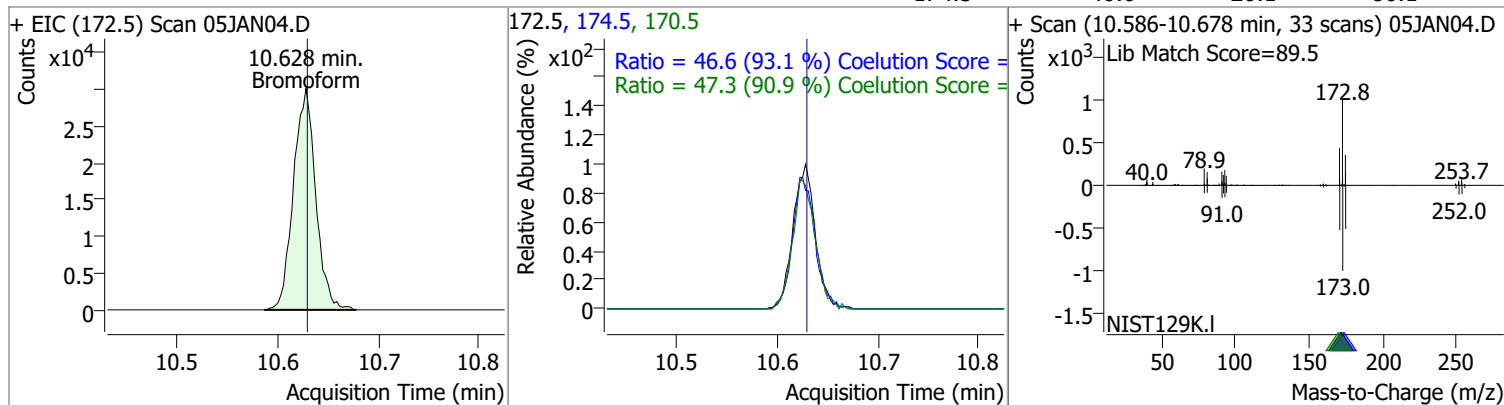
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 131.2732 | 10.43 | 0.00     | 172476 | 91.0 | 214.1  | 183.1 | 243.1 |



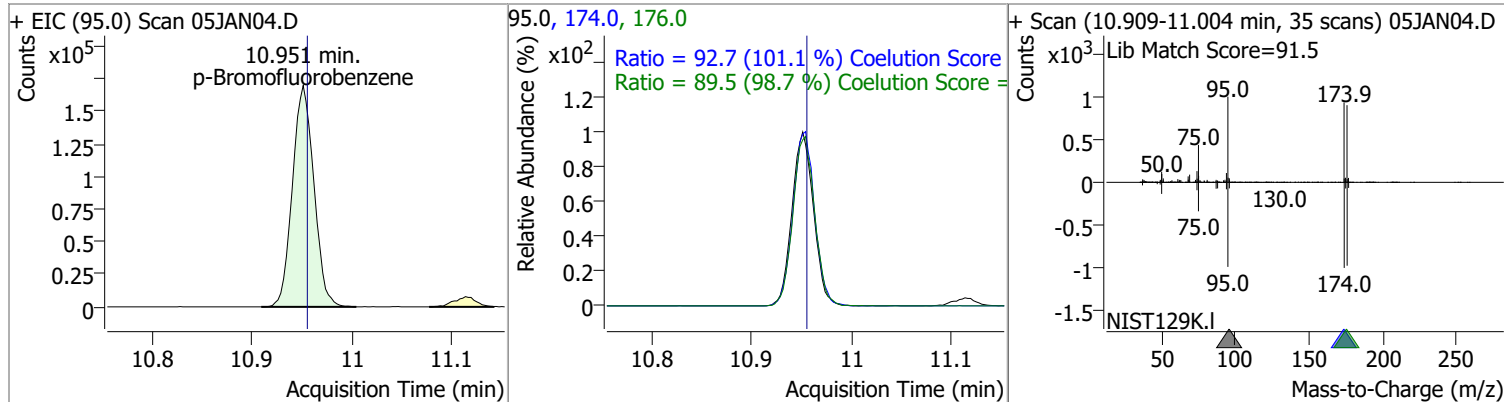
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| Styrene  | 135.1658 | 10.45 | 0.00     | 285925 | 78.0 | 51.1   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 141.7950 | 10.63 | 0.00     | 46366 | 170.5 | 47.3   | 22.1  | 82.1  |
|           |          |       |          |       | 174.5 | 46.6   | 20.1  | 80.1  |

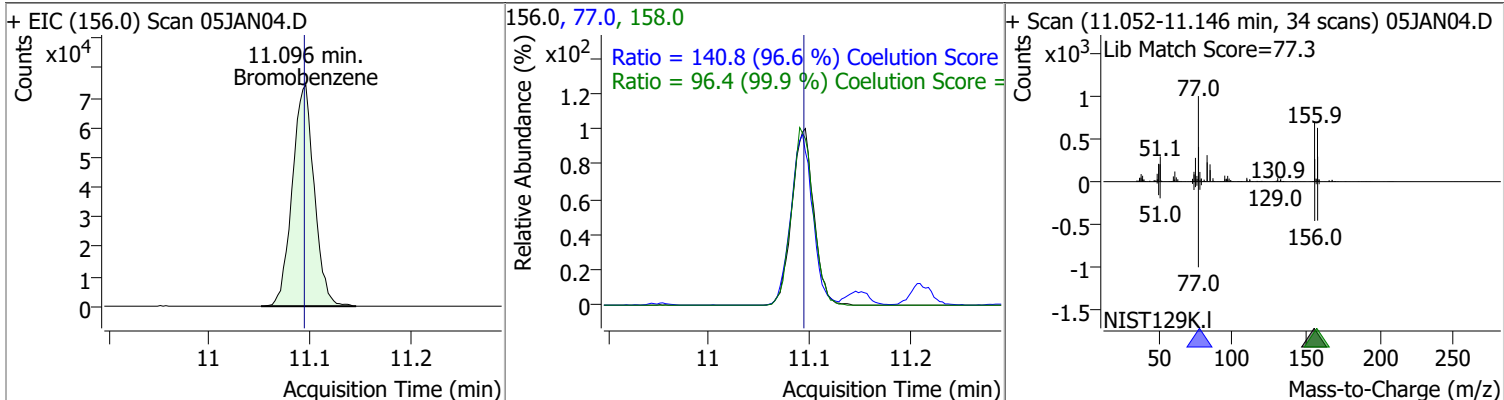


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 269.6410 | 10.95 | 0.00     | 252422 | 174.0 | 92.7   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 89.5   | 60.6  | 120.6 |

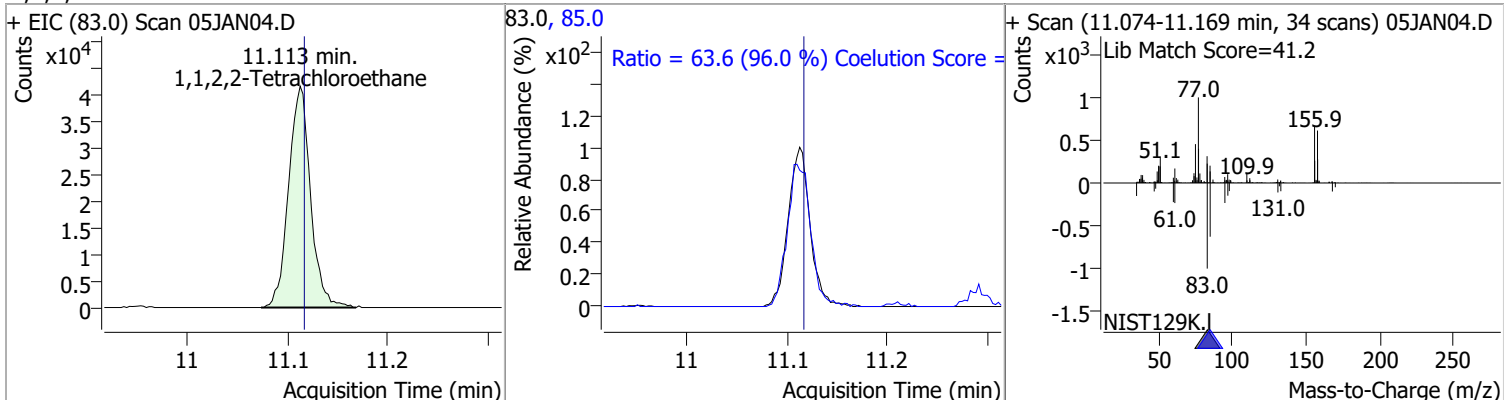


# Quantitation Results Report (QT Reviewed)

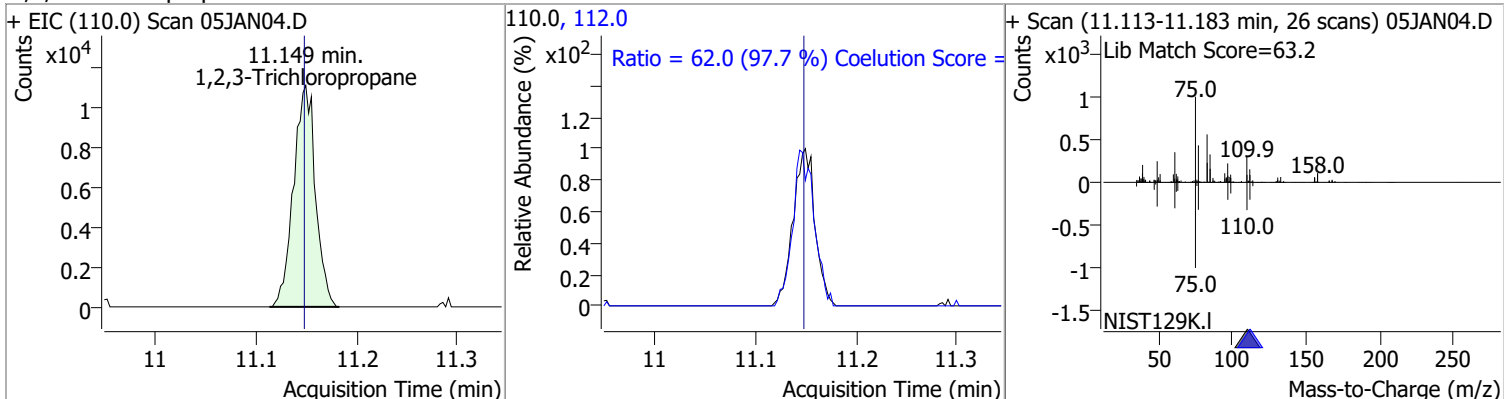
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 136.3576 | 11.10 | 0.00     | 112763 | 77.0  | 140.8  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 96.4   | 66.5  | 126.5 |



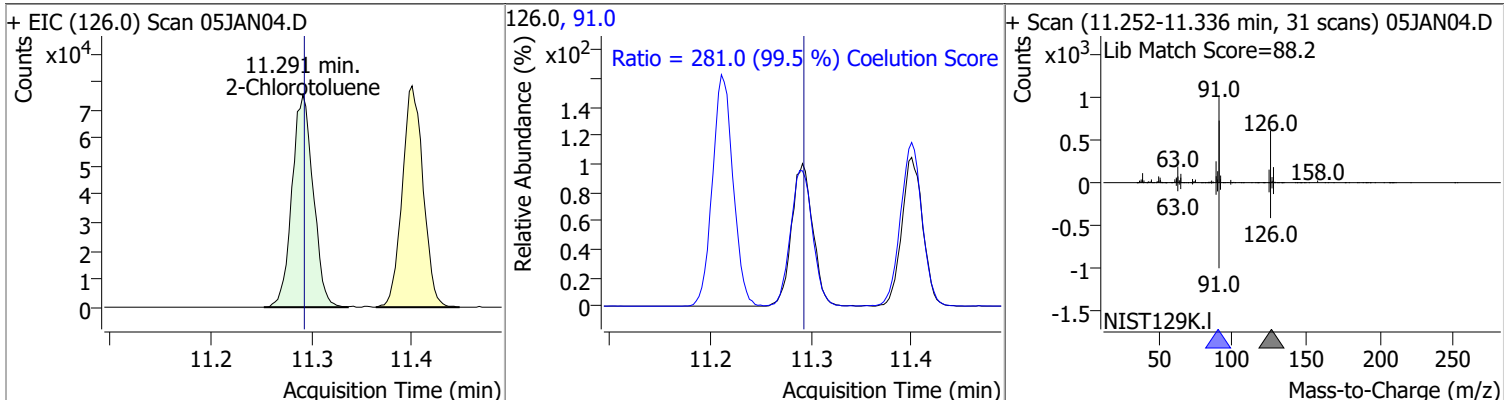
| Compound                  | Conc.    | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 133.3239 | 11.11 | 0.00     | 63459 | 85.0 | 63.6   | 36.2  | 96.2  |



| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 131.6839 | 11.15 | 0.00     | 16771 | 112.0 | 62.0   | 33.5  | 93.5  |

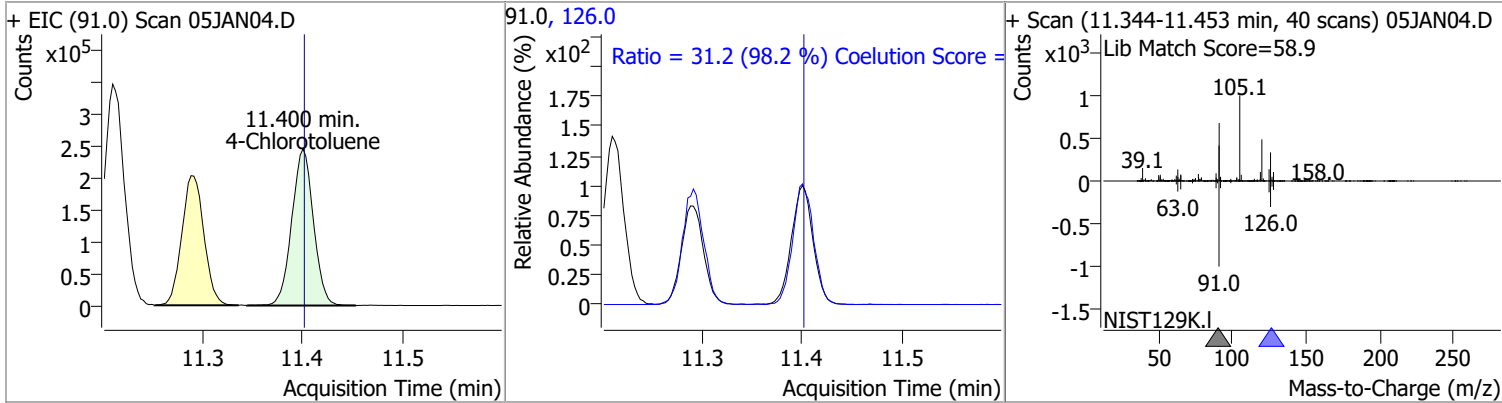


| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 134.4181 | 11.29 | 0.00     | 110603 | 91.0 | 281.0  | 252.3 | 312.3 |

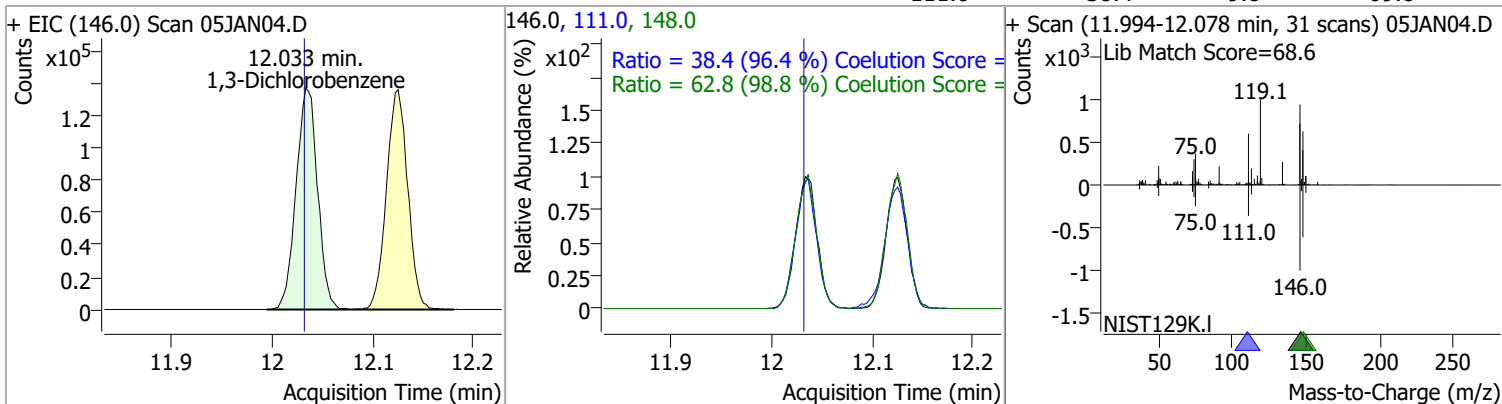


# Quantitation Results Report (QT Reviewed)

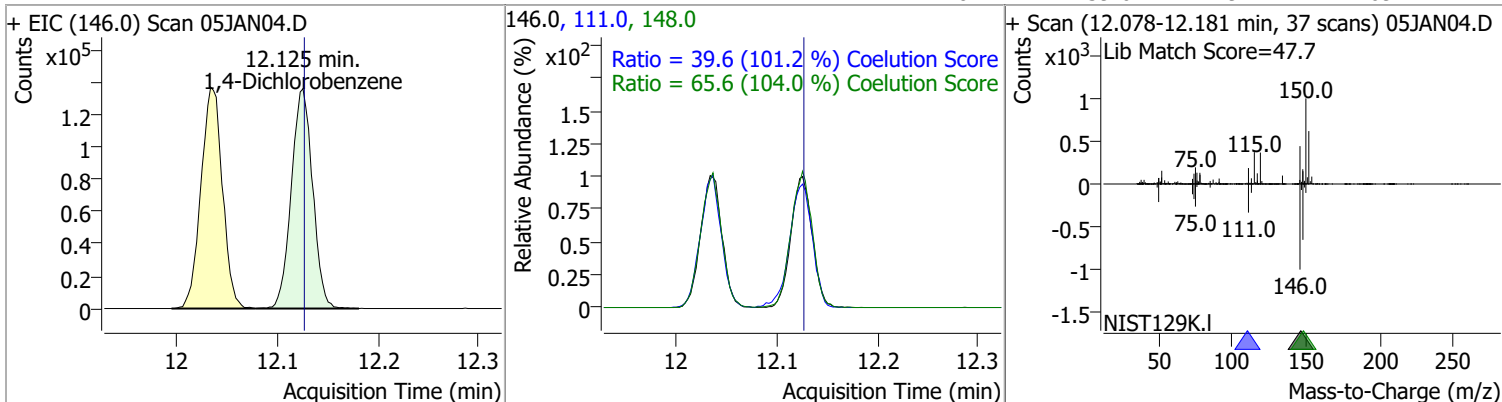
| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 4-Chlorotoluene | 136.3209 | 11.40 | 0.00     | 365720 | 126.0 | 31.2   | 1.7   | 61.7  |



| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,3-Dichlorobenzene | 134.7385 | 12.03 | 0.00     | 203215 | 148.0 | 62.8   | 33.6  | 93.6  |
|                     |          |       |          |        | 111.0 | 38.4   | 9.8   | 69.8  |

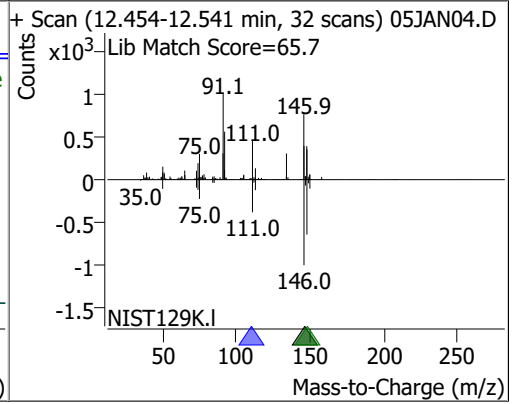
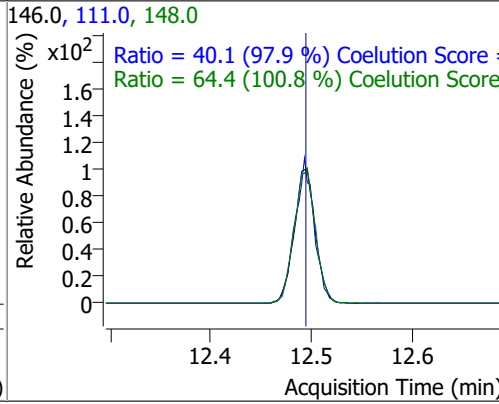
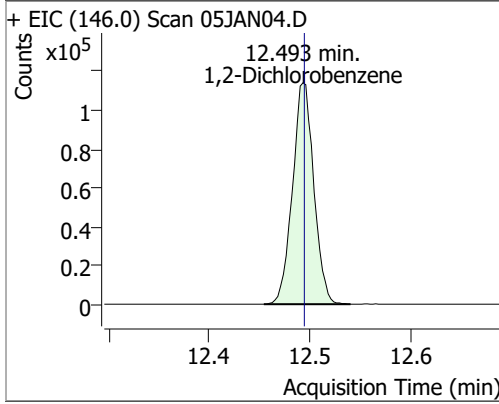


| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,4-Dichlorobenzene | 130.1595 | 12.13 | 0.00     | 200166 | 148.0 | 65.6   | 33.1  | 93.1  |
|                     |          |       |          |        | 111.0 | 39.6   | 9.1   | 69.1  |



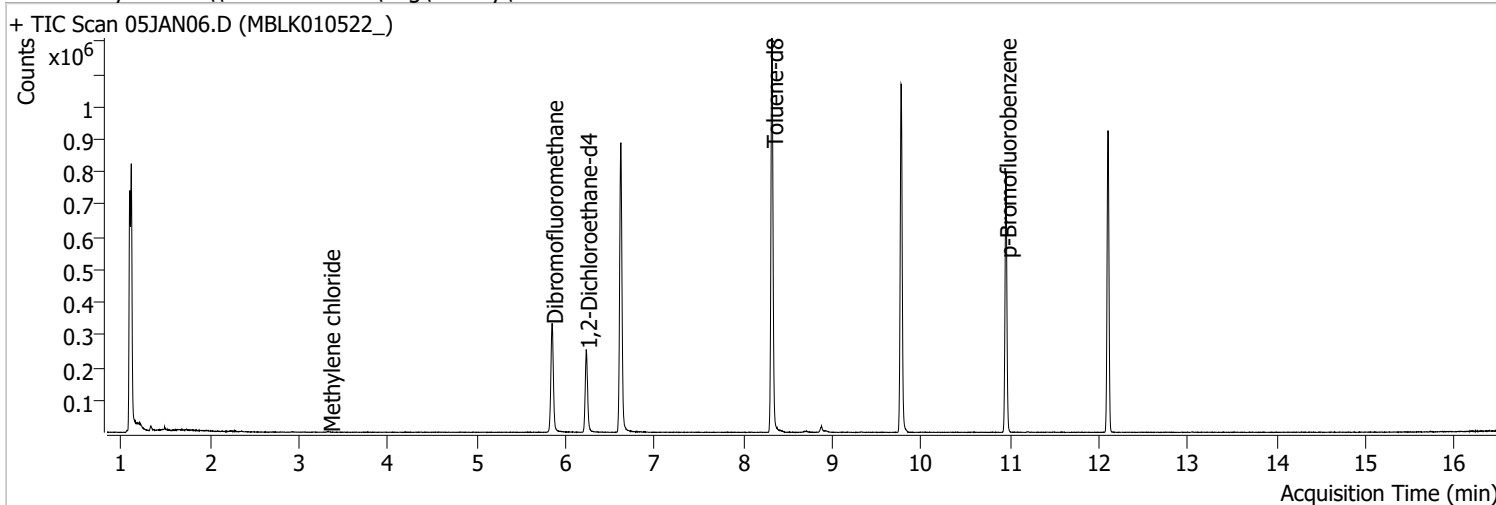
# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 131.9940 | 12.49 | 0.00     | 168243 | 148.0 | 64.4   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 40.1   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN06.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 12:21:59 PM  |
| Sample Name    | MBLK010522_                         | Instrument        | VOA5975C              |
| Vial           | 6                                   | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|----------|----|------|-------|-------|-------|----------|
|----------|----|------|-------|-------|-------|----------|

**Internal Standards**

|                          |        |       |        |          |    |        |
|--------------------------|--------|-------|--------|----------|----|--------|
| M Fluorobenzene          | 6.620  | 96.0  | 749177 | 250.0000 | ng | -0.003 |
| M Chlorobenzene-d5       | 9.772  | 82.0  | 294744 | 250.0000 | ng | 0.000  |
| M 1,4-Dichlorobenzene-d4 | 12.103 | 152.0 | 226610 | 250.0000 | ng | 0.003  |

**System Monitoring Compounds**

|                         |                      |       |        |                    |    |        |
|-------------------------|----------------------|-------|--------|--------------------|----|--------|
| S Dibromofluoromethane  | 5.845                | 113.0 | 195966 | 277.6506           | ng | 0.000  |
| Spiked Amount: 250.000  | Range: 80.0 - 119.0% |       |        | Recovery = 111.06% |    |        |
| S 1,2-Dichloroethane-d4 | 6.230                | 67.0  | 88868  | 291.5091           | ng | -0.003 |
| Spiked Amount: 250.000  | Range: 81.0 - 118.0% |       |        | Recovery = 116.60% |    |        |
| S Toluene-d8            | 8.322                | 98.0  | 758617 | 267.0901           | ng | 0.003  |
| Spiked Amount: 250.000  | Range: 89.0 - 112.0% |       |        | Recovery = 106.84% |    |        |
| S p-Bromofluorobenzene  | 10.948               | 95.0  | 219115 | 263.9340           | ng | -0.006 |
| Spiked Amount: 250.000  | Range: 85.0 - 114.0% |       |        | Recovery = 105.57% |    |        |

**Target Compounds**

| Target Compounds                 | RT    | QIon | Resp. | Conc.  | Units | m | QValue |
|----------------------------------|-------|------|-------|--------|-------|---|--------|
| T Dichlorodifluoromethane        | 0.000 |      | 0     | N.D.   |       |   |        |
| T Chloromethane                  | 0.000 |      | 0     | N.D.   |       |   |        |
| T Vinyl chloride                 | 0.000 |      | 0     | N.D.   |       |   |        |
| T Bromomethane                   | 0.000 |      | 0     | N.D.   |       |   |        |
| T Chloroethane                   | 0.000 |      | 0     | N.D.   |       |   |        |
| T Trichlorofluoromethane         | 0.000 |      | 0     | N.D.   |       |   |        |
| T 1,1-Dichloroethene             | 0.000 |      | 0     | N.D.   |       |   |        |
| T Methylene chloride             | 3.338 | 49.0 | 1656  | 1.4886 | ng    | m | 84     |
| T trans-1,2-Dichloroethene       | 0.000 |      | 0     | N.D.   |       |   |        |
| T Methyl tert-butyl ether (MTBE) | 0.000 |      | 0     | N.D.   |       |   |        |
| T 1,1-Dichloroethane             | 0.000 |      | 0     | N.D.   |       |   |        |
| T 2,2-Dichloropropane            | 0.000 |      | 0     | N.D.   |       |   |        |
| T cis-1,2-Dichloroethene         | 0.000 |      | 0     | N.D.   |       |   |        |
| T Methyl ethyl ketone            | 0.000 |      | 0     | N.D.   |       |   |        |
| T Bromochloromethane             | 0.000 |      | 0     | N.D.   |       |   |        |
| T Chloroform                     | 0.000 |      | 0     | N.D.   |       |   |        |

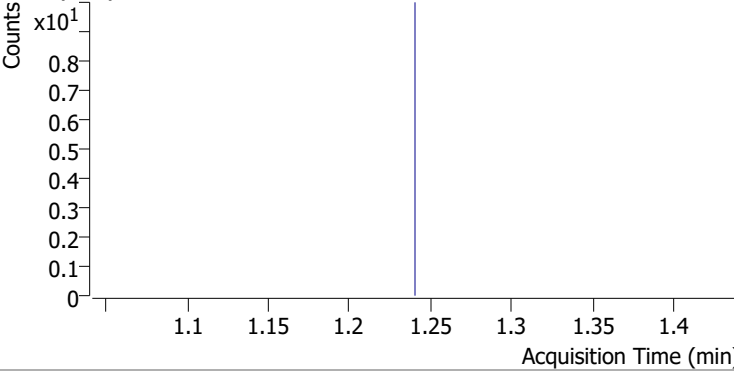
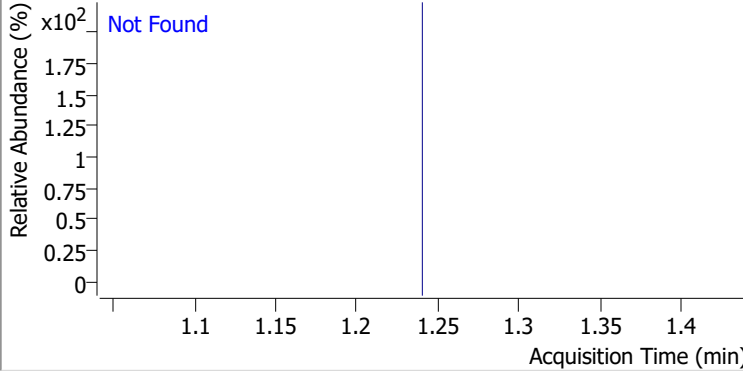
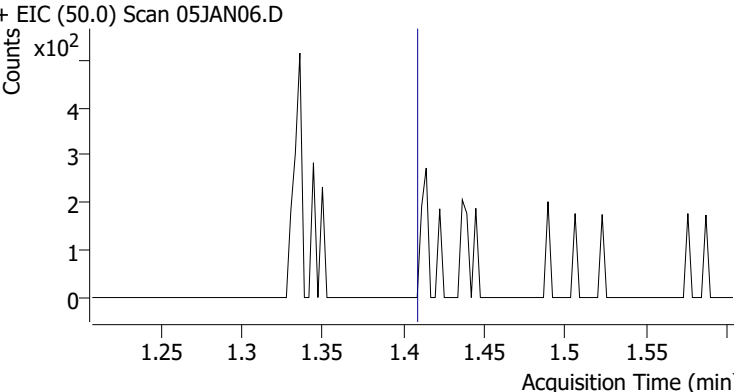
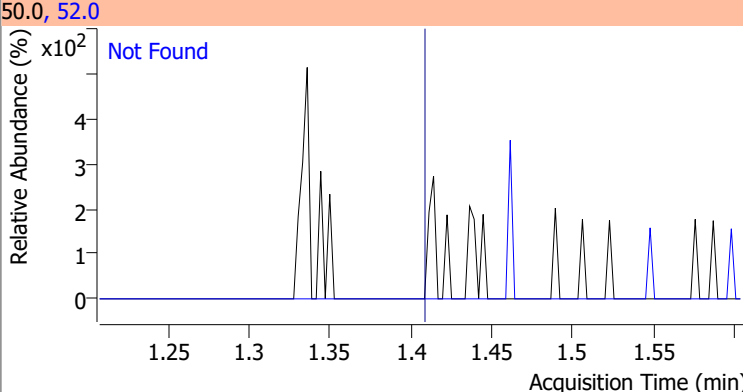
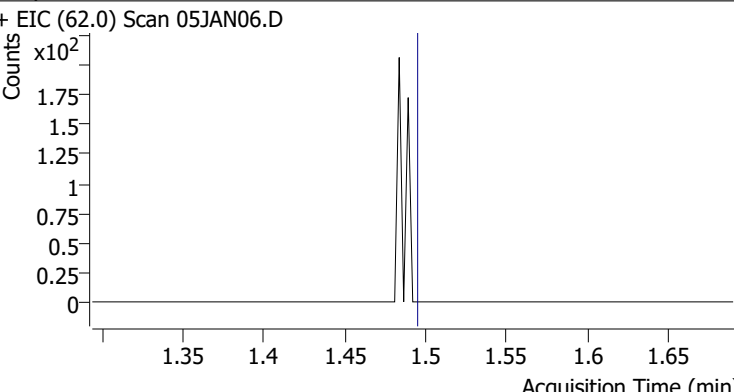
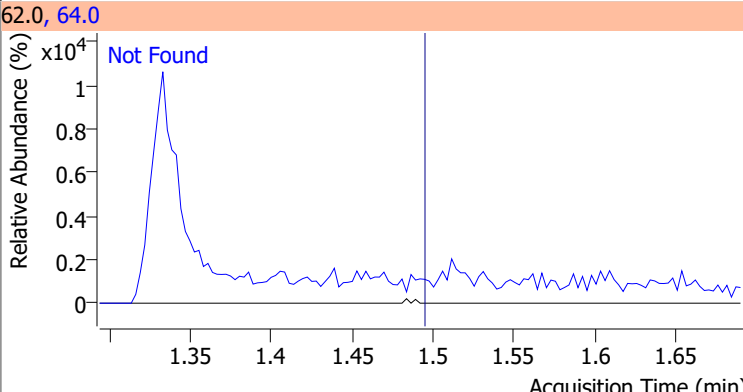
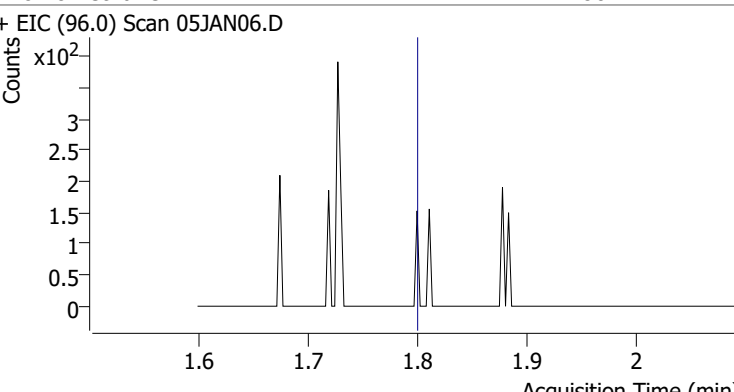
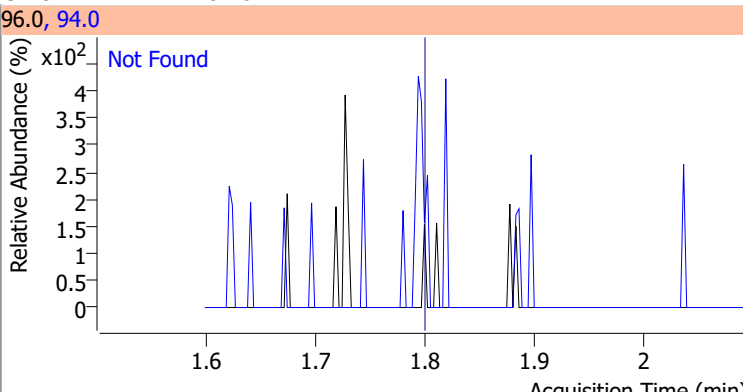
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT    | QIon | Resp. | Conc. | Units | Dev(Min) |
|-----------------------------|-------|------|-------|-------|-------|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.  |       |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.  |       |          |
| T Benzene                   | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.  |       |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.  |       |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.  |       |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.  |       |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.  |       |          |
| T Toluene                   | 0.000 |      | 0     | N.D.  |       |          |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.  |       |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.  |       |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.  |       |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.  |       |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.  |       |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.  |       |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.  |       |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.  |       |          |
| T Styrene                   | 0.000 |      | 0     | N.D.  |       |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.  |       |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.  |       |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.  |       |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.  |       |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

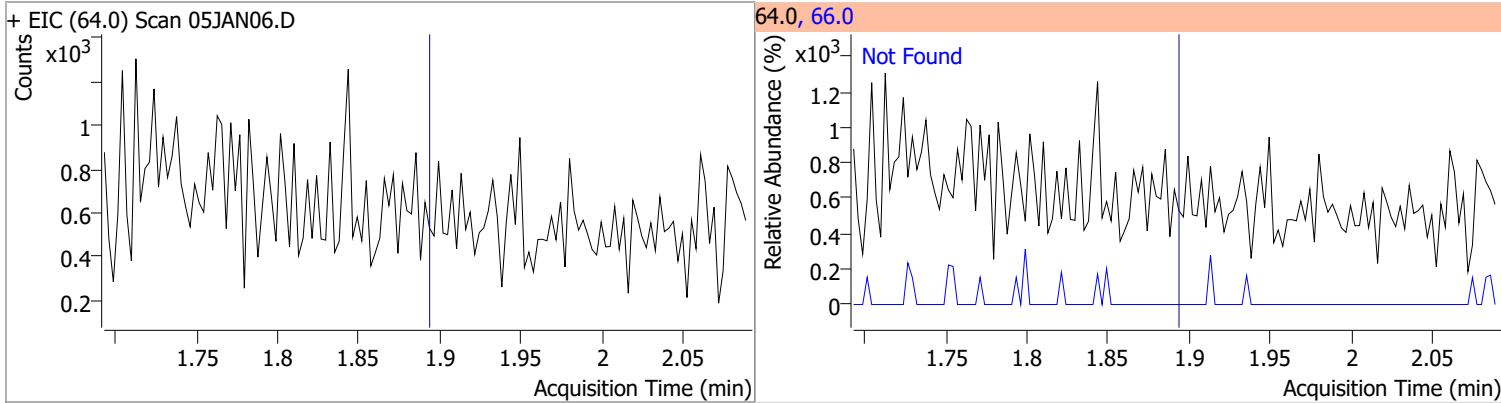


# Quantitation Results Report (QT Reviewed)

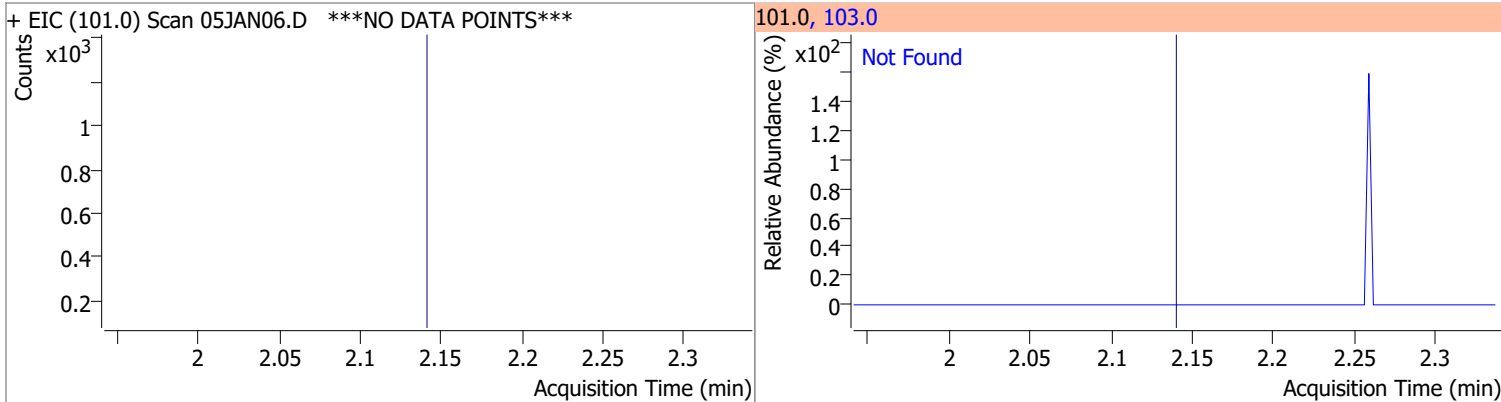
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| Dichlorodifluoromethane  | N.D.  | 1.24   | 87.0   | 32.3      |
| + EIC (85.0) Scan 05JAN06.D ***NO DATA POINTS***                                   |       |        | 85.0, 87.0   |           |
|    |       |        |    |           |
| Chloromethane  | N.D.  | 1.41   | 52.0   | 32.1      |
| + EIC (50.0) Scan 05JAN06.D  |       |        | 50.0, 52.0   |           |
|   |       |        |   |           |
| Vinyl chloride   | N.D.  | 1.50   | 64.0   | 29.9      |
| + EIC (62.0) Scan 05JAN06.D  |       |        | 62.0, 64.0   |           |
|  |       |        |  |           |
| Bromomethane   | N.D.  | 1.80   | 94.0   | 104.6     |
| + EIC (96.0) Scan 05JAN06.D  |       |        | 96.0, 94.0   |           |
|  |       |        |  |           |

# Quantitation Results Report (QT Reviewed)

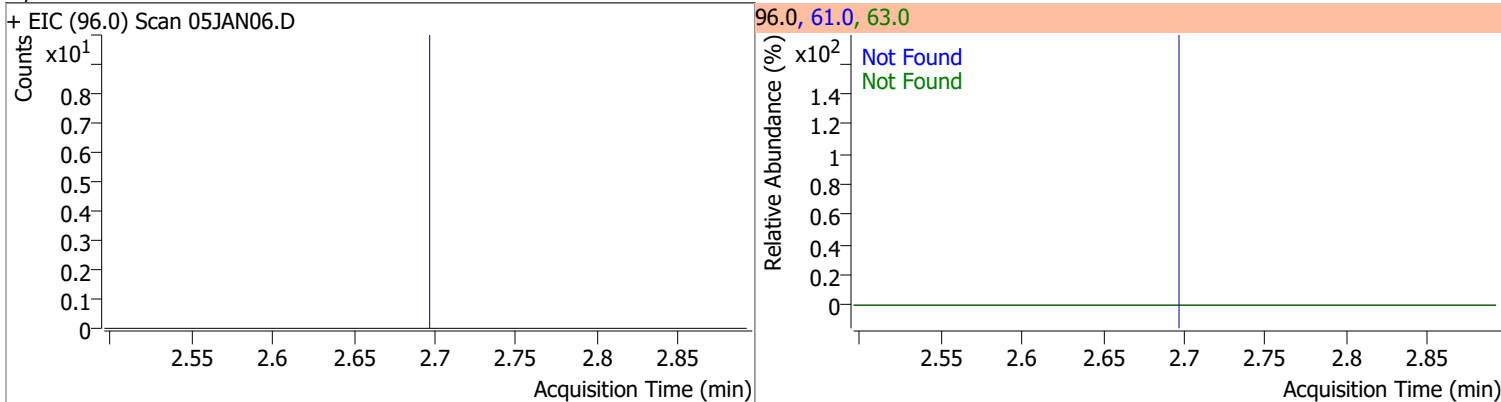
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



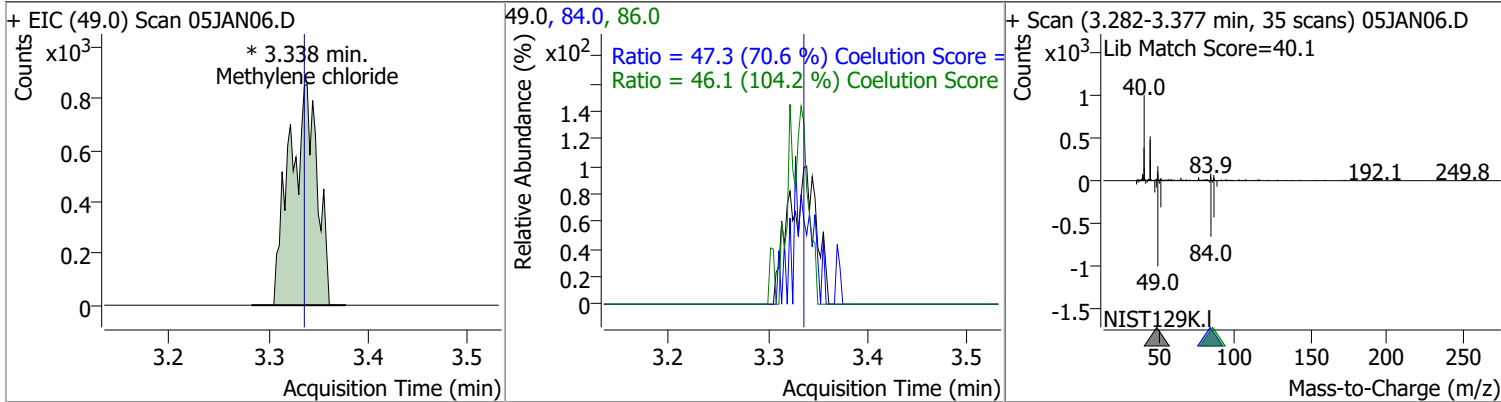
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

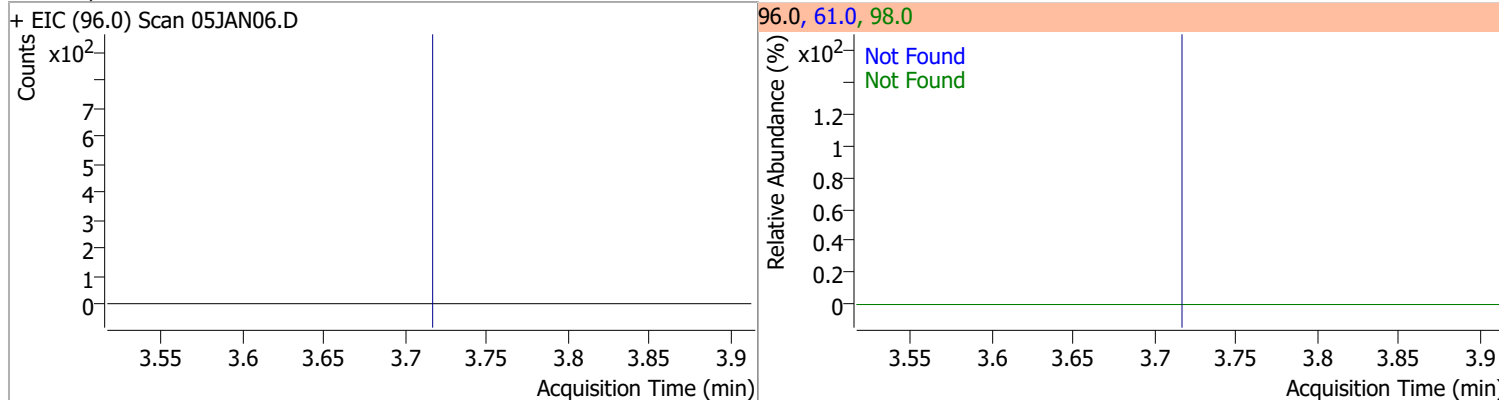


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.4886 | 3.34 | 0.00     | 1656 (m) | 84.0 | 47.3   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 46.1   | 14.3  | 74.3  |

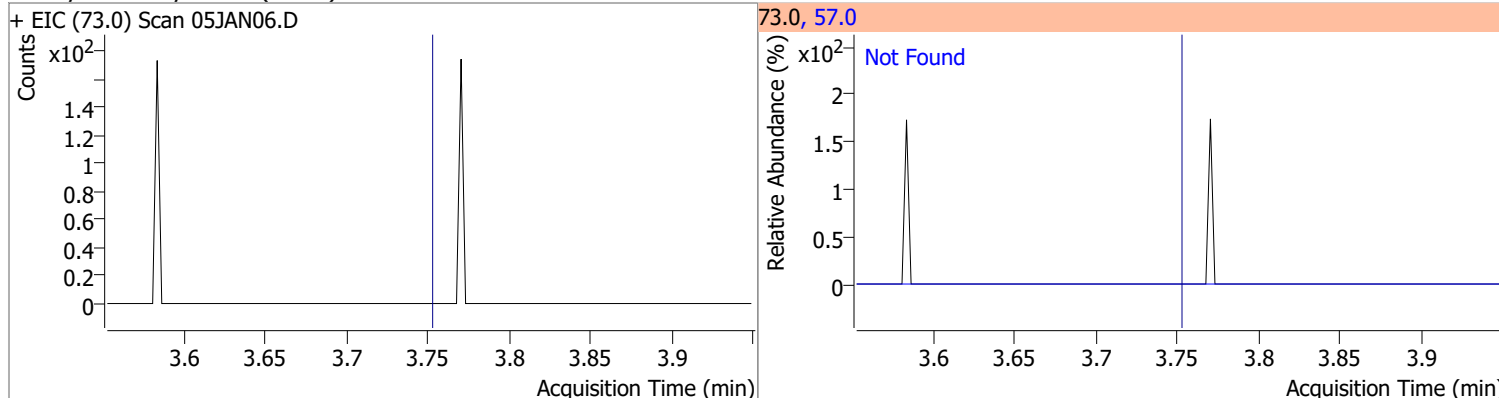


# Quantitation Results Report (QT Reviewed)

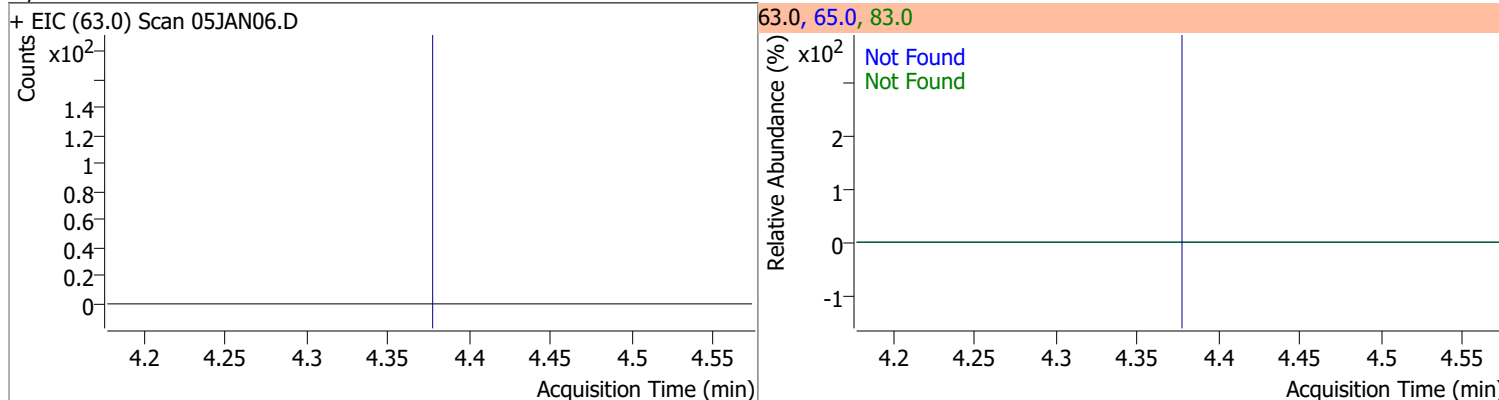
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



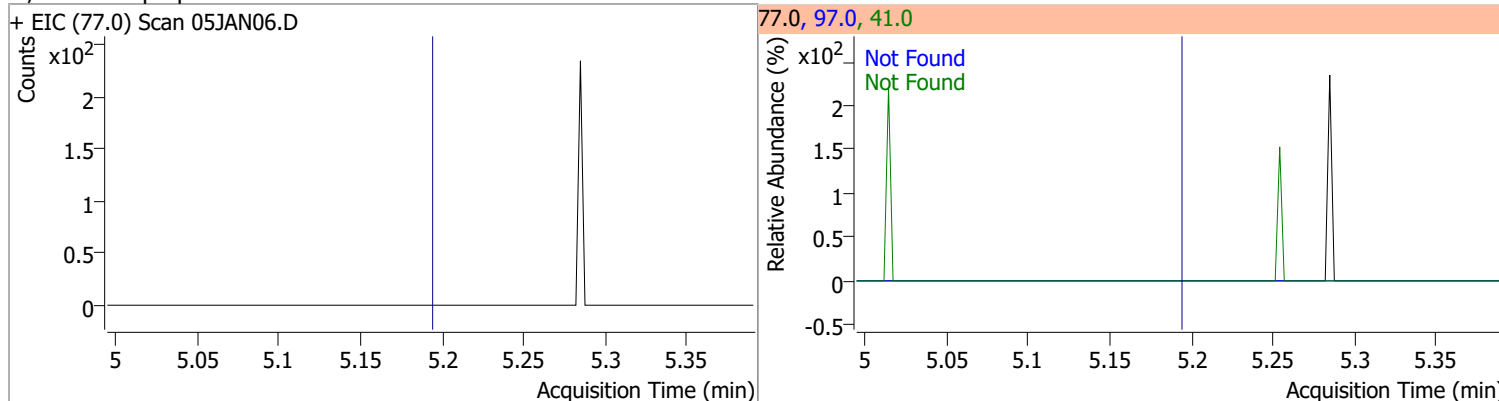
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

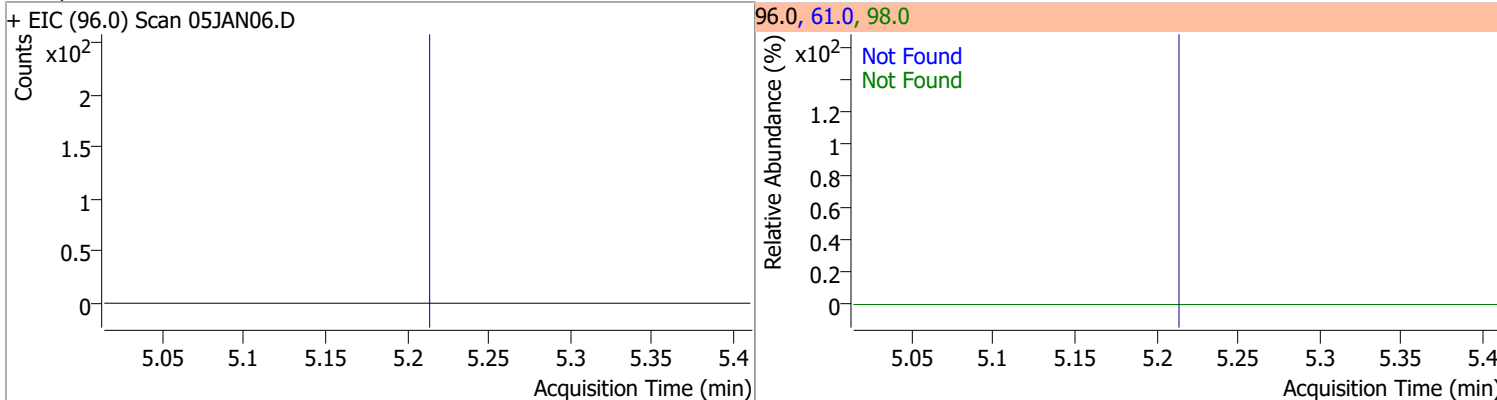


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

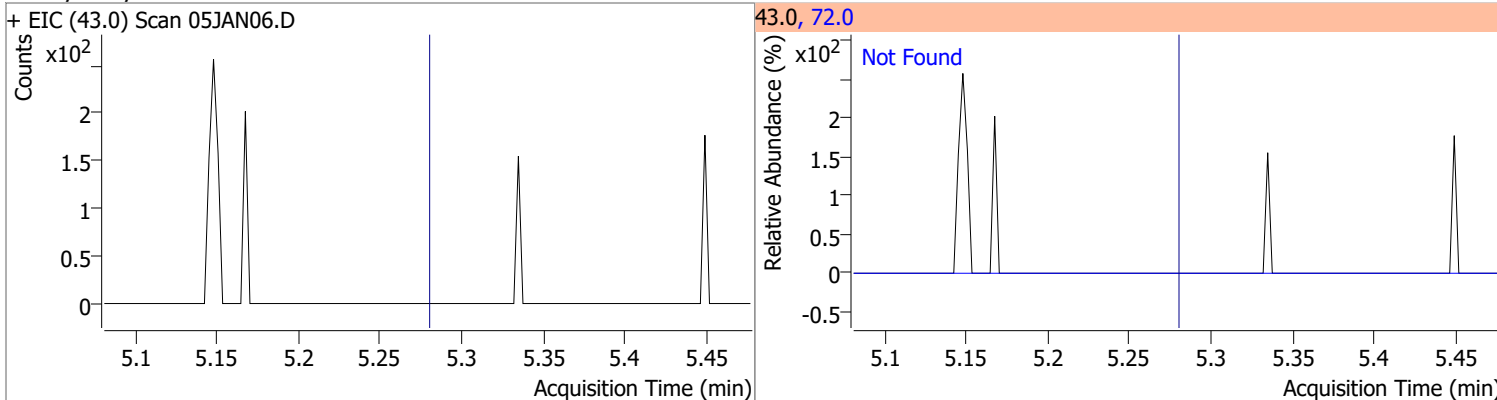


# Quantitation Results Report (QT Reviewed)

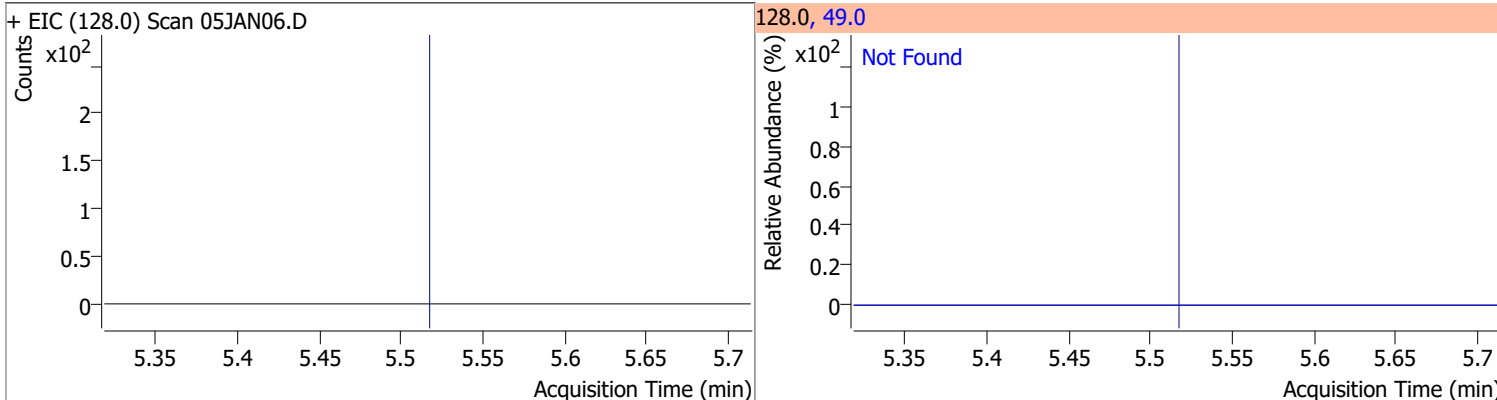
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



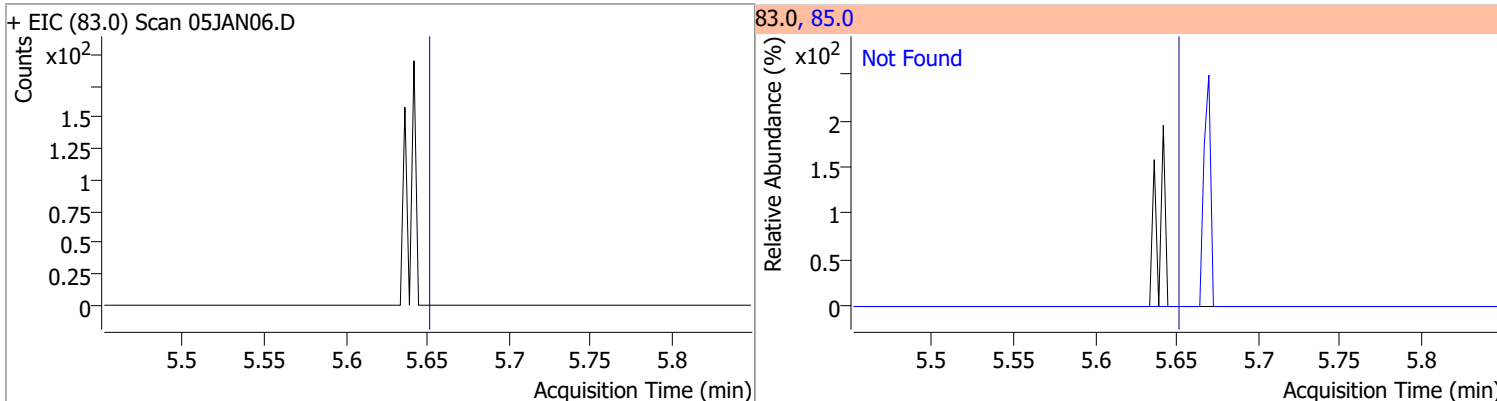
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



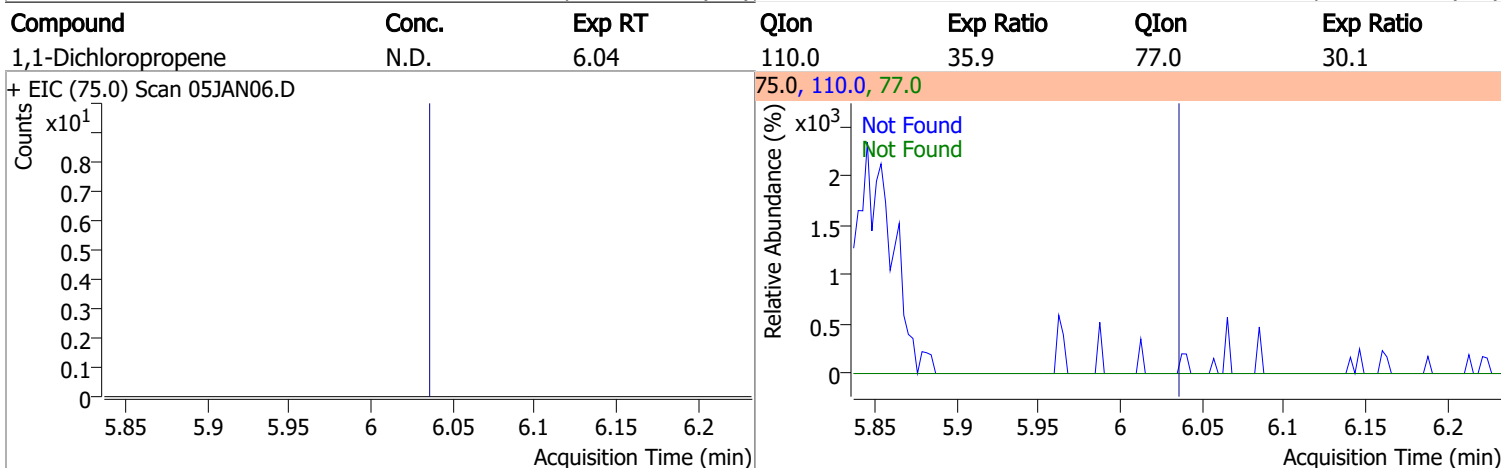
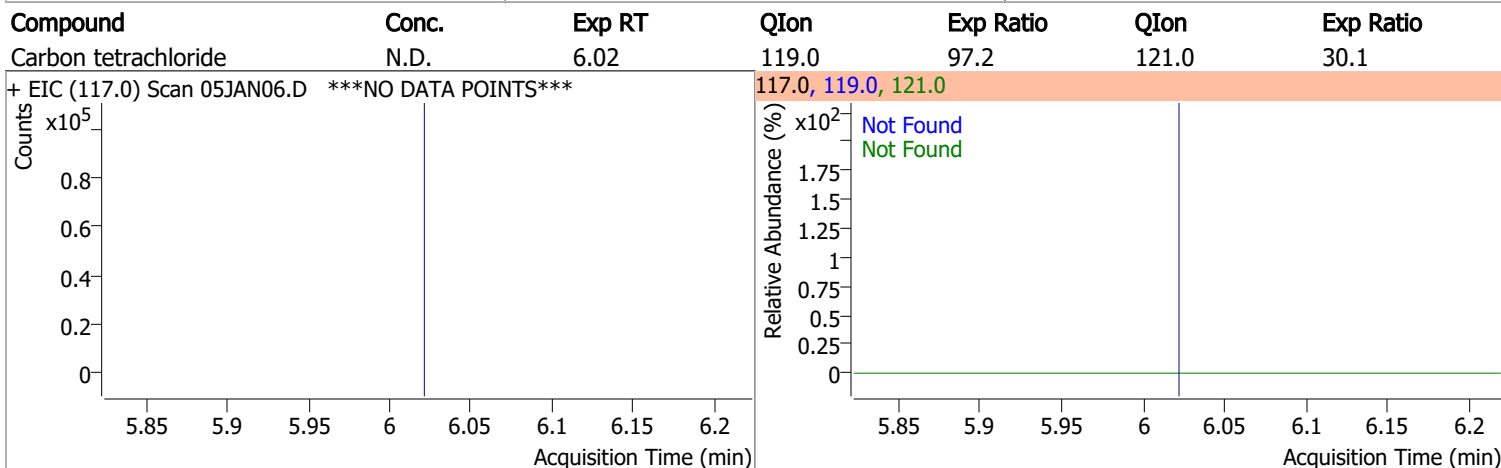
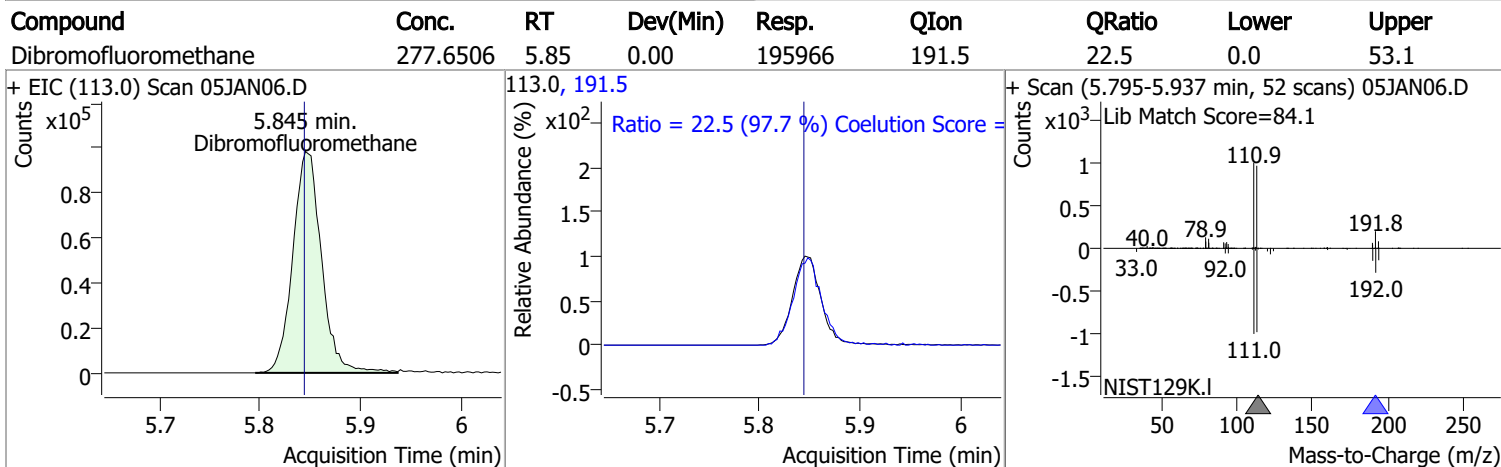
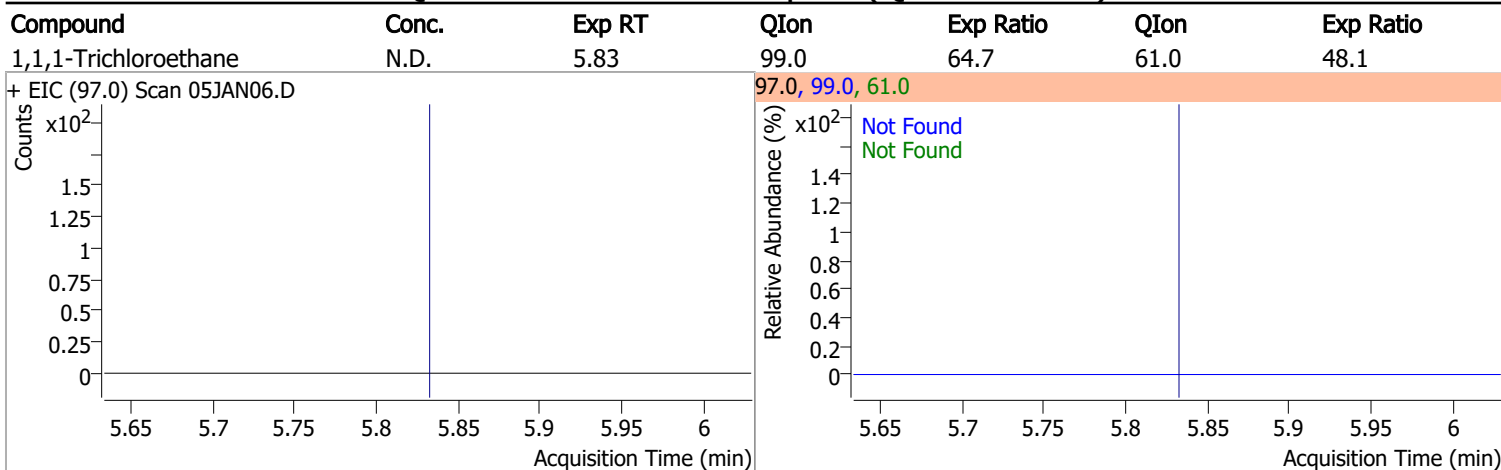
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |

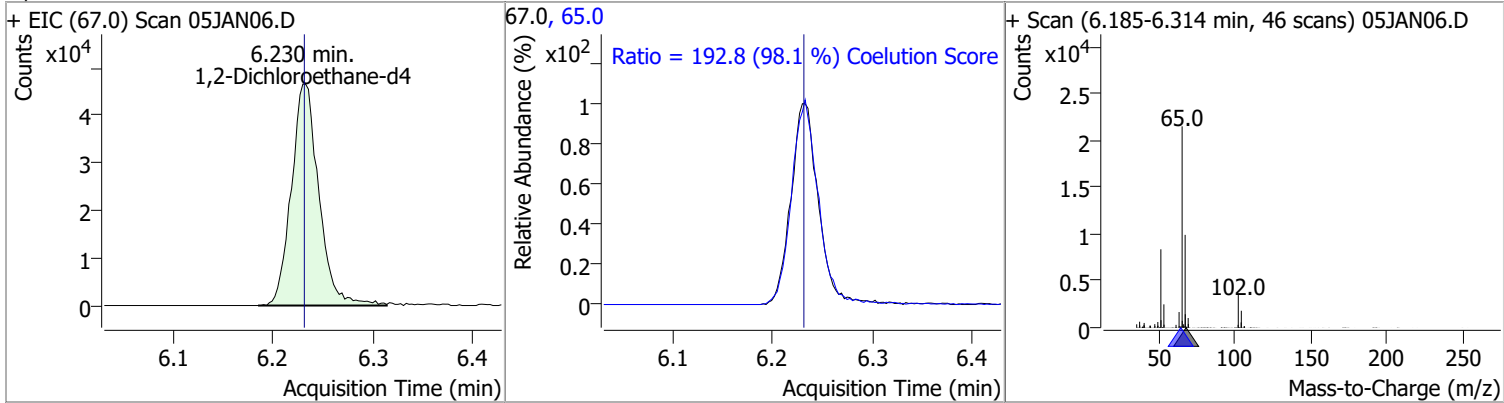


# Quantitation Results Report (QT Reviewed)

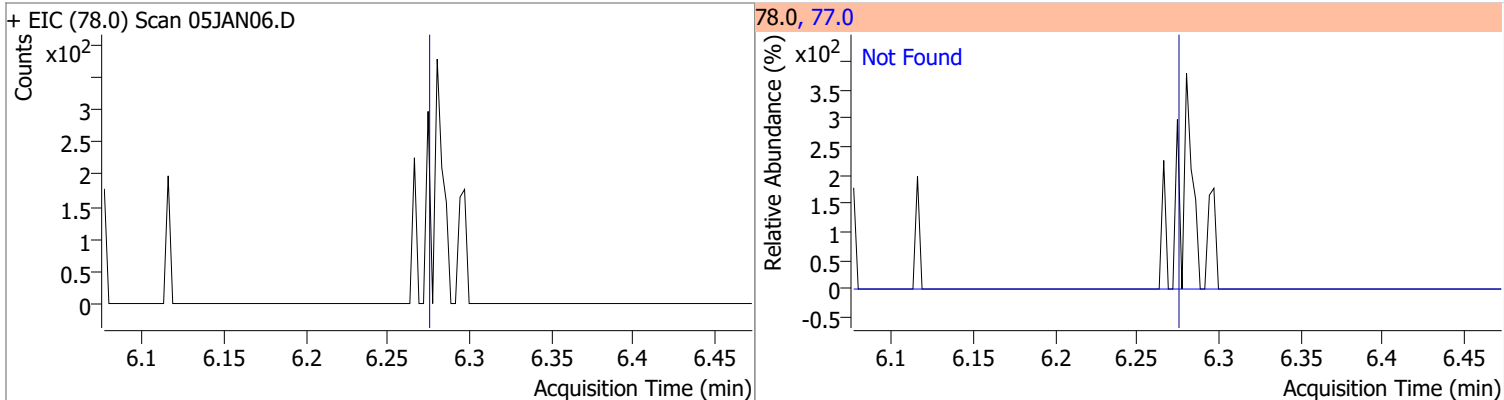


# Quantitation Results Report (QT Reviewed)

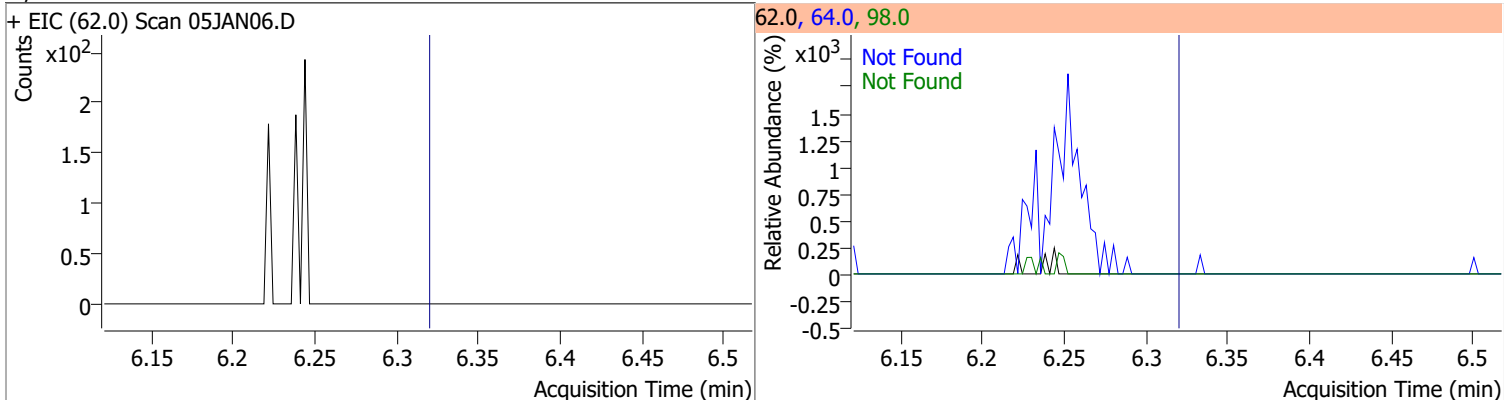
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 291.5091 | 6.23 | 0.00     | 88868 | 65.0 | 192.8  | 166.5 | 226.5 |



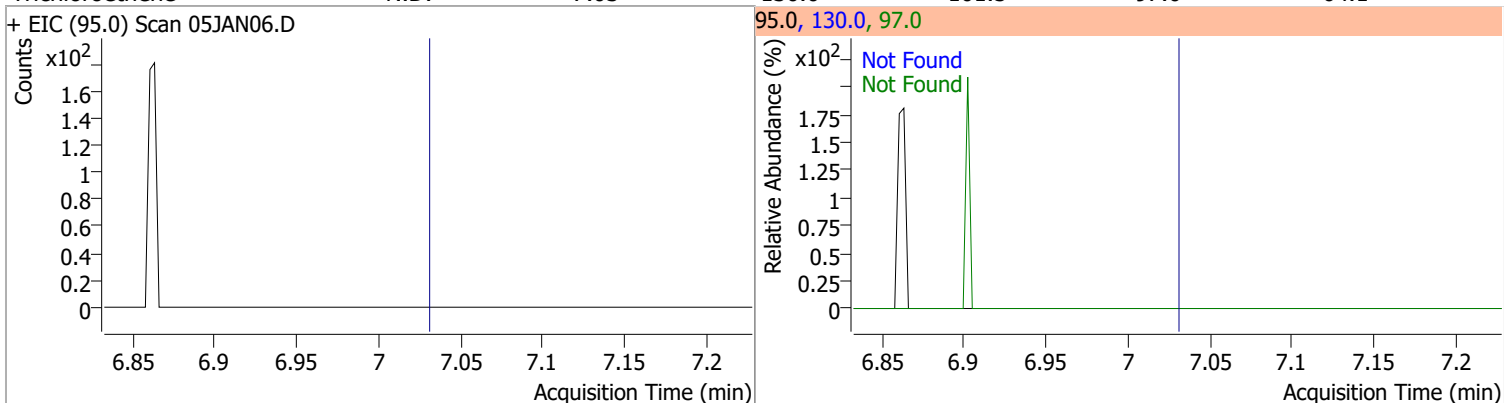
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



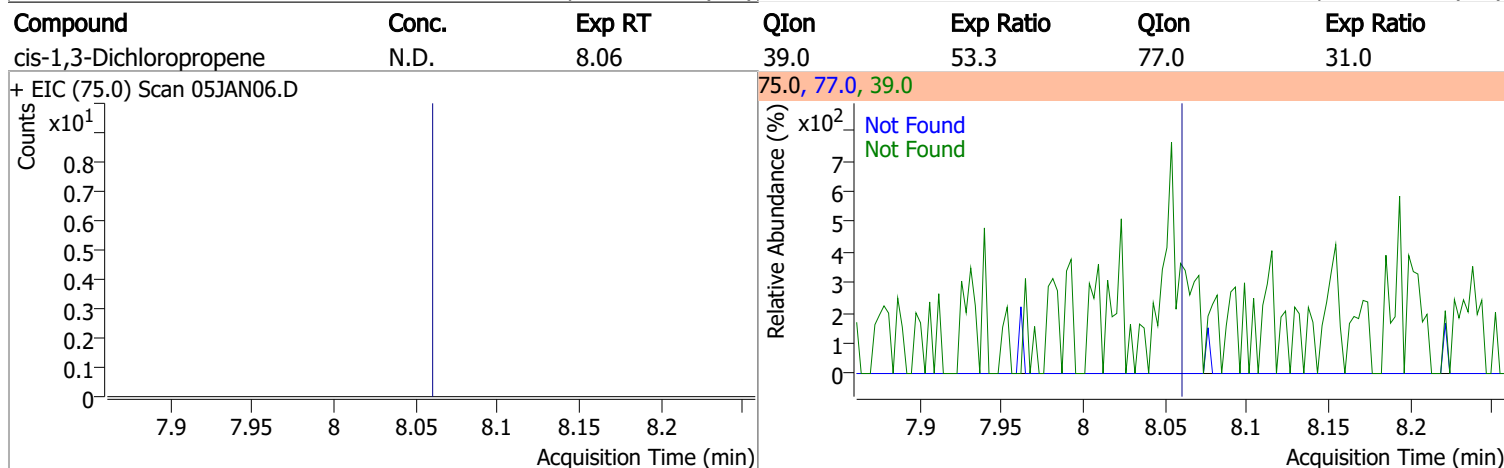
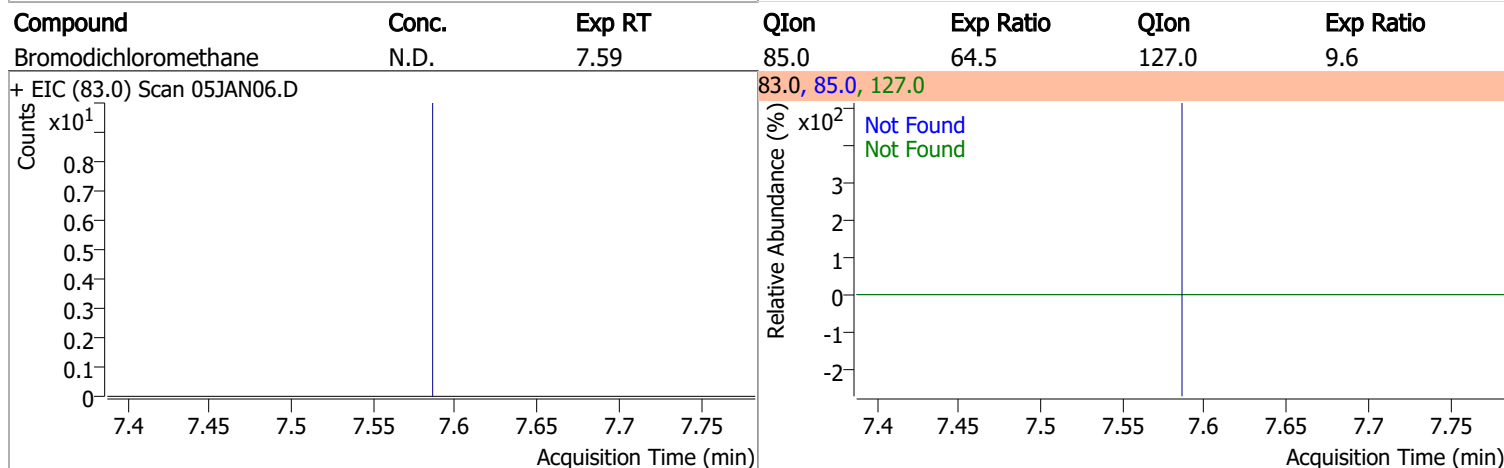
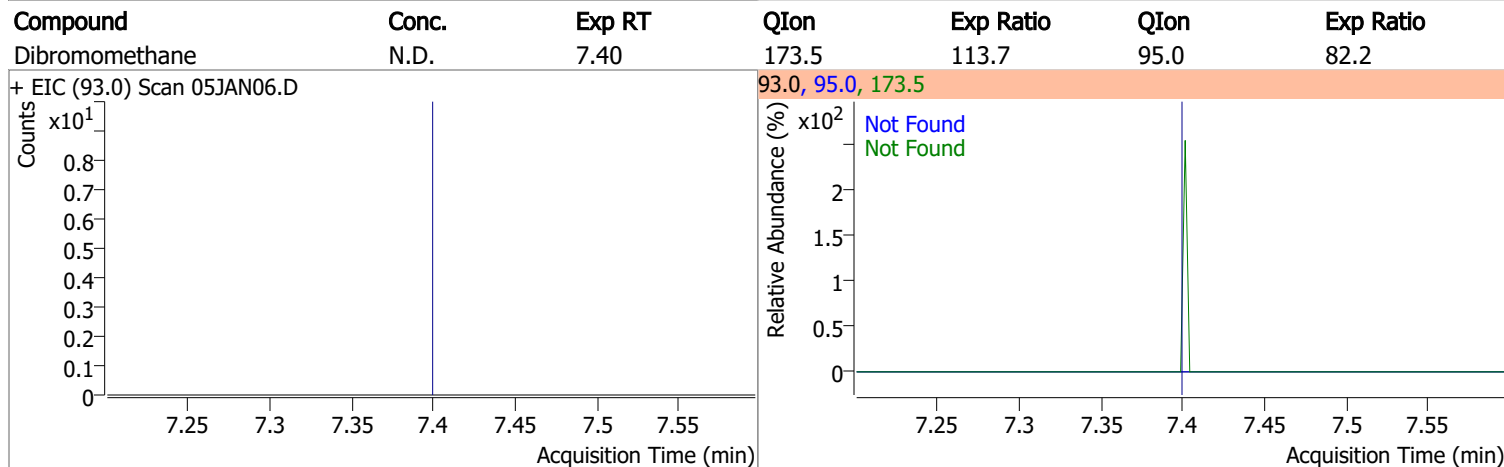
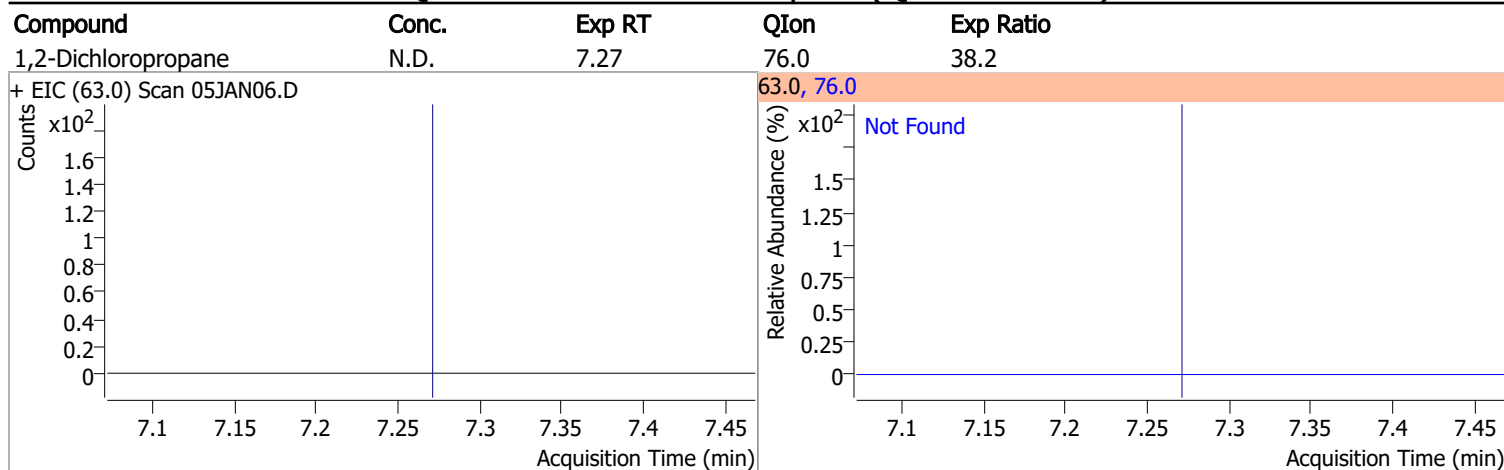
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

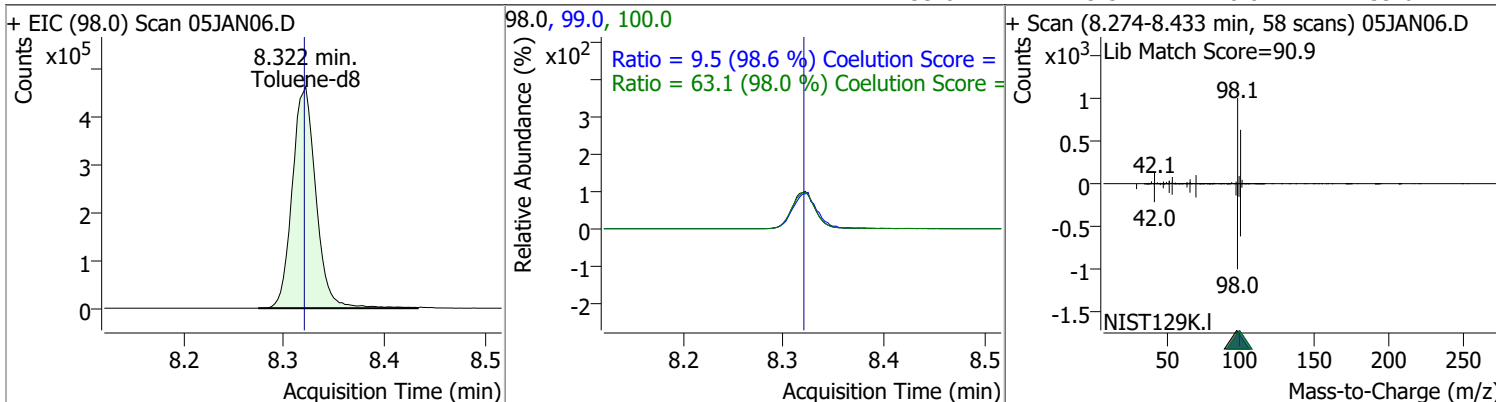


# Quantitation Results Report (QT Reviewed)

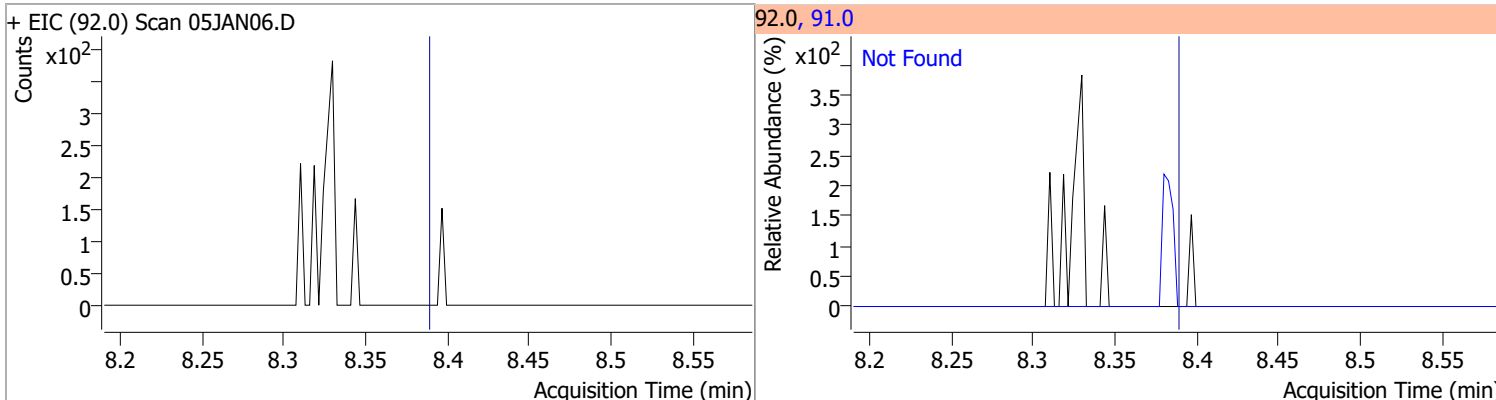


# Quantitation Results Report (QT Reviewed)

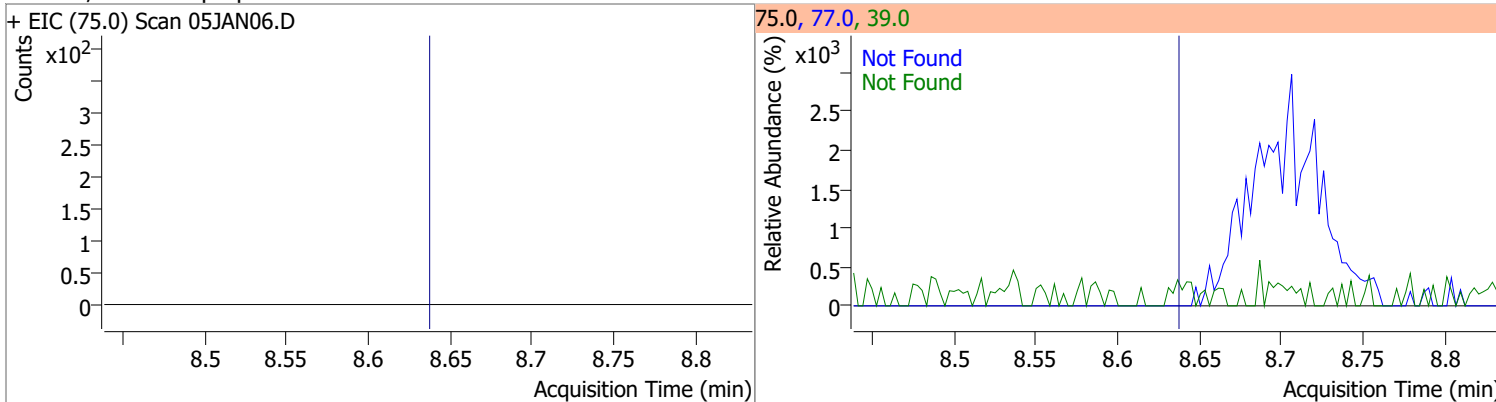
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 267.0901 | 8.32 | 0.00     | 758617 | 100.0 | 63.1   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.5    | 0.0   | 39.6  |



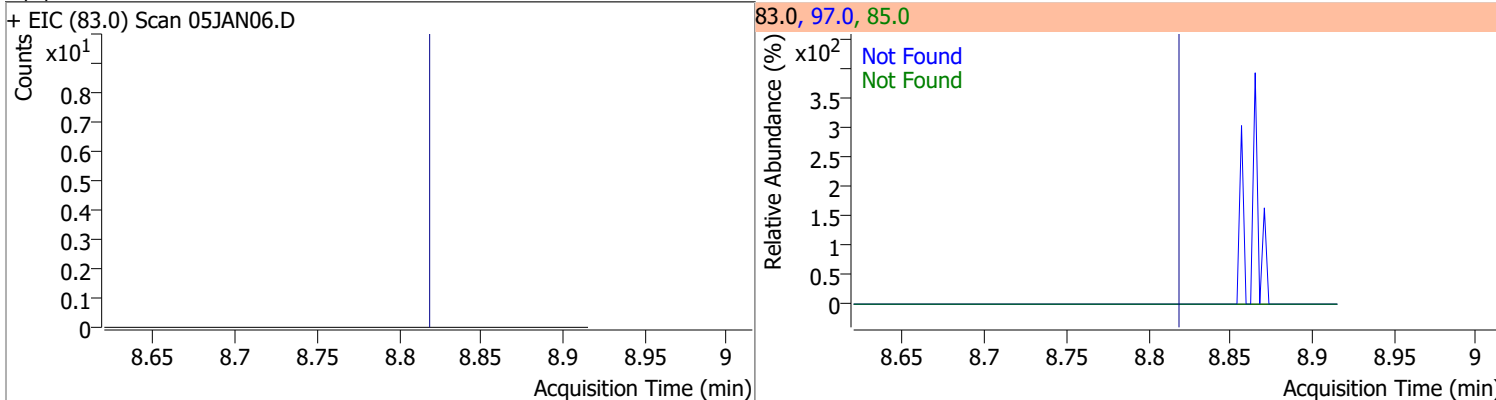
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Toluene  | N.D.  | 8.39   | 91.0 | 175.8     |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



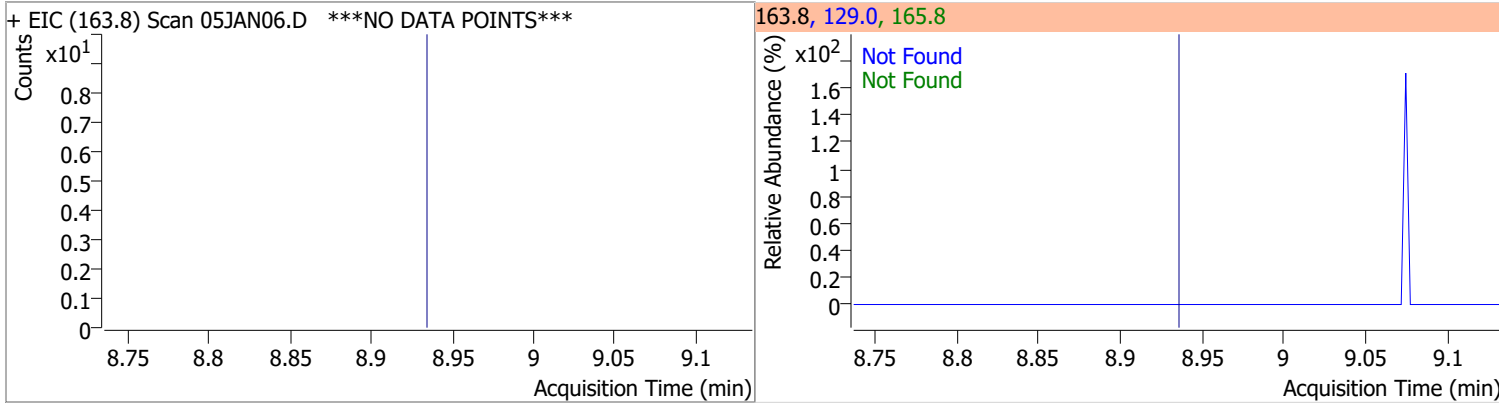
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |



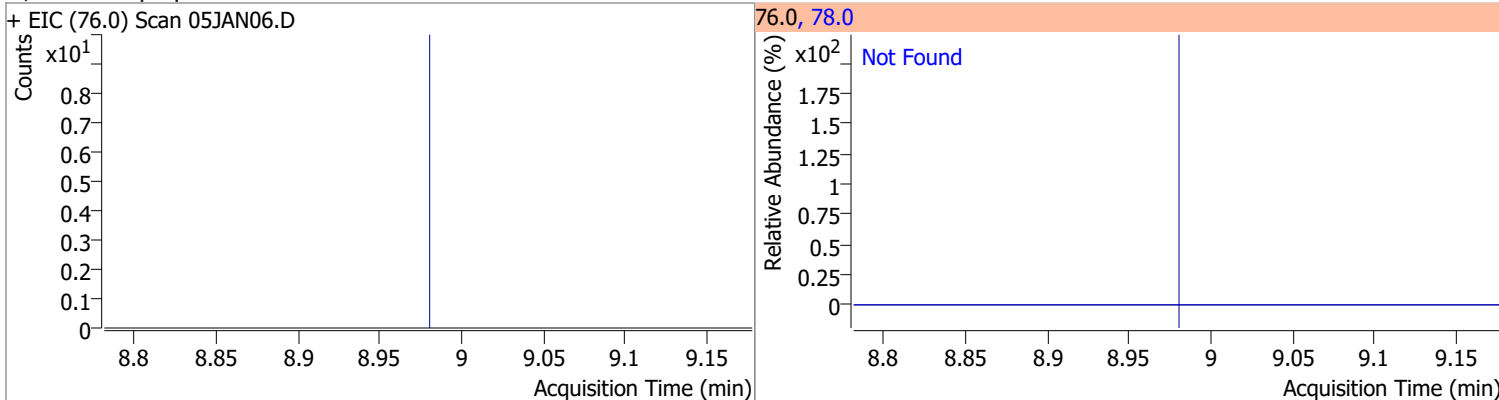


# Quantitation Results Report (QT Reviewed)

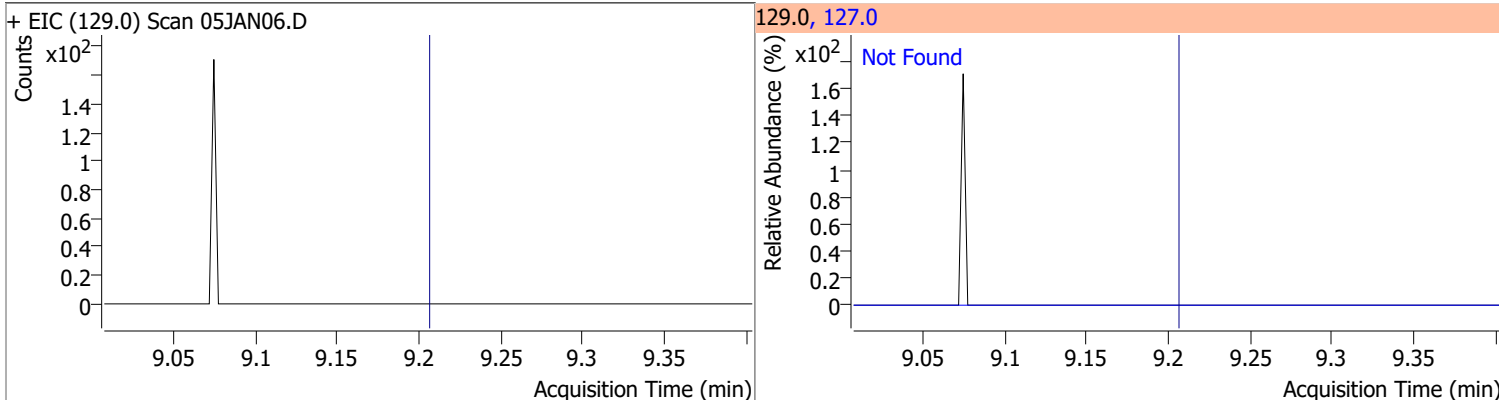
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



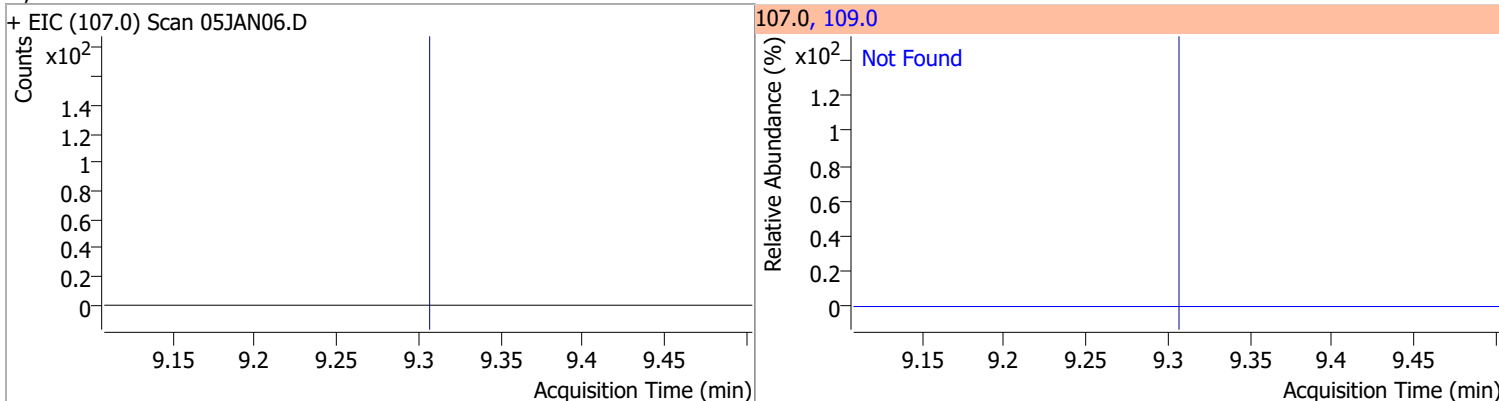
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



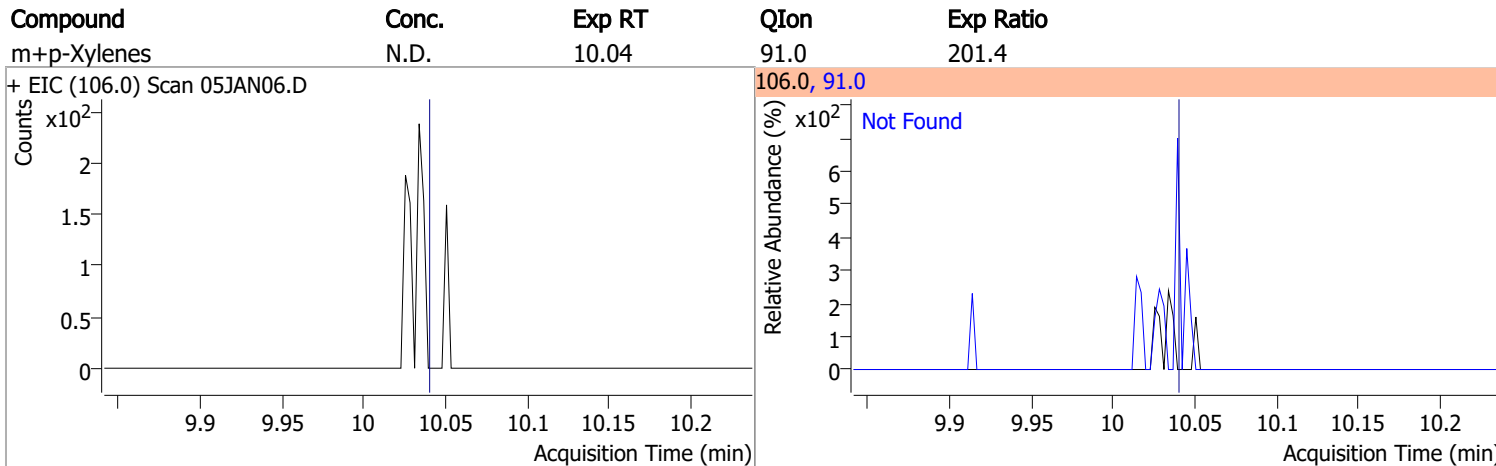
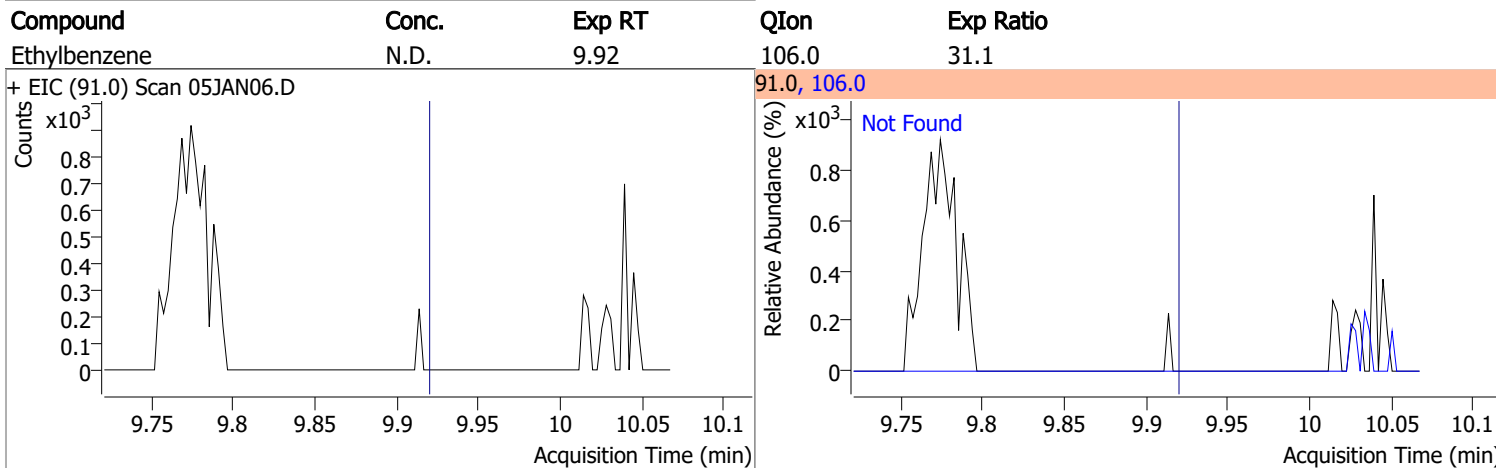
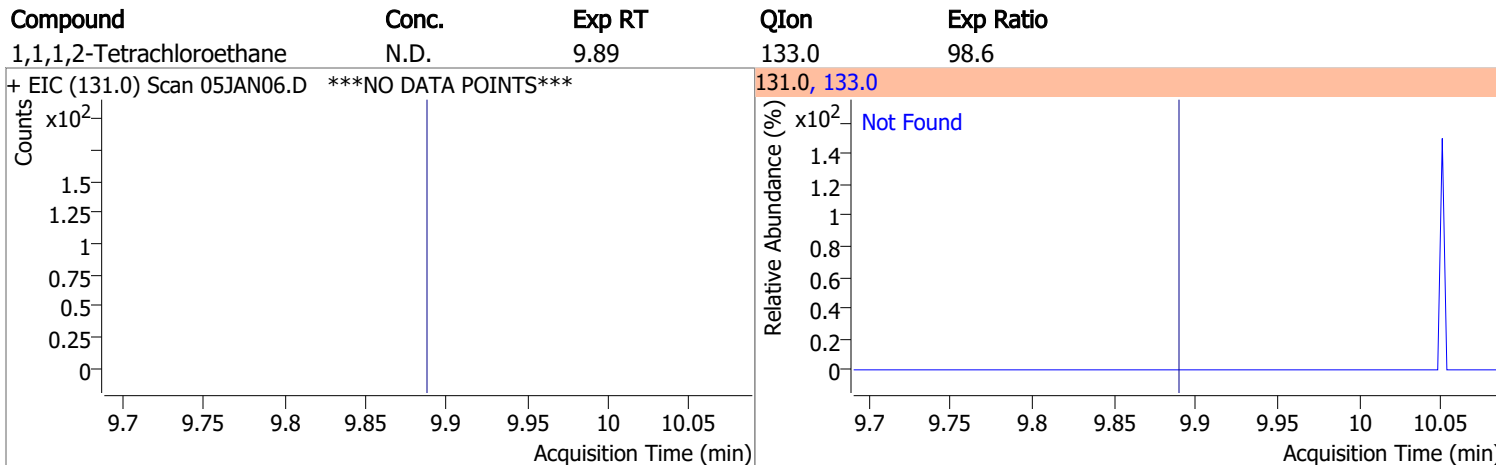
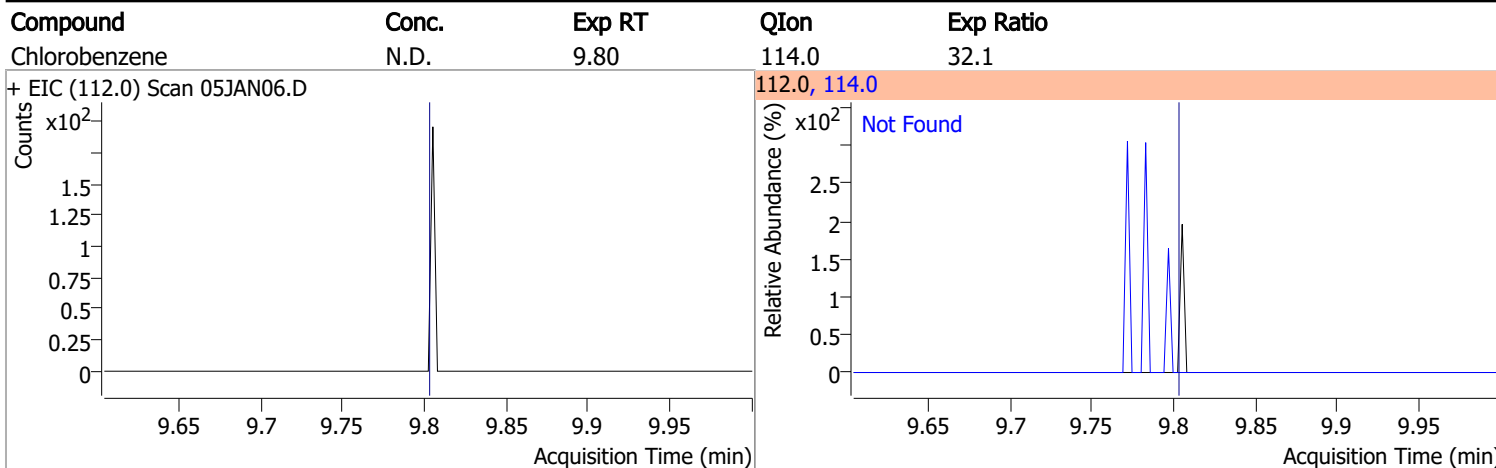
| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |



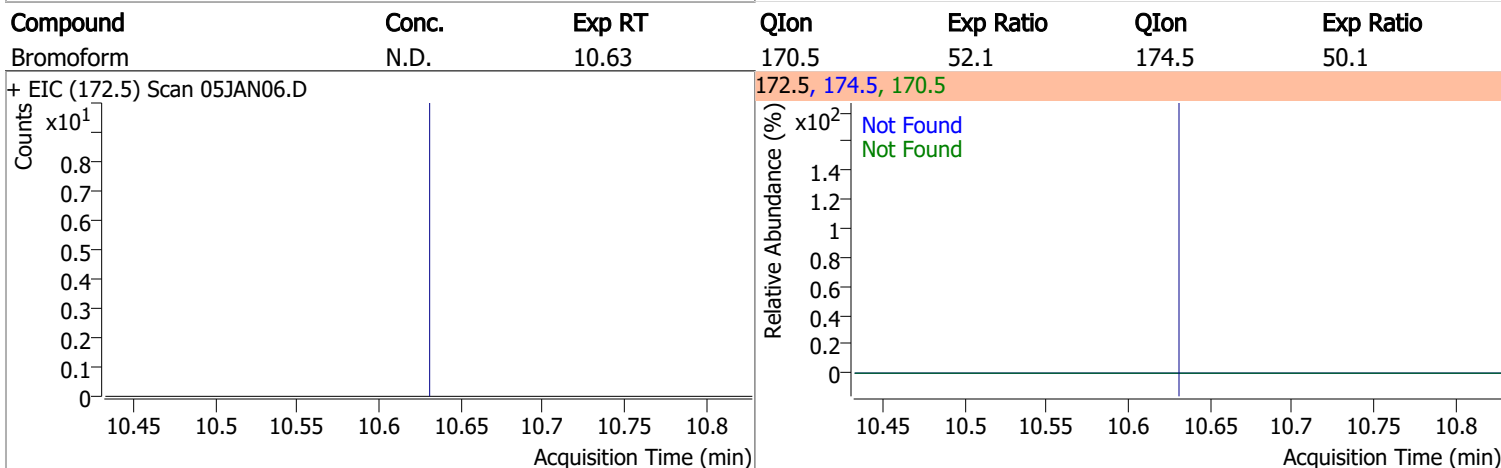
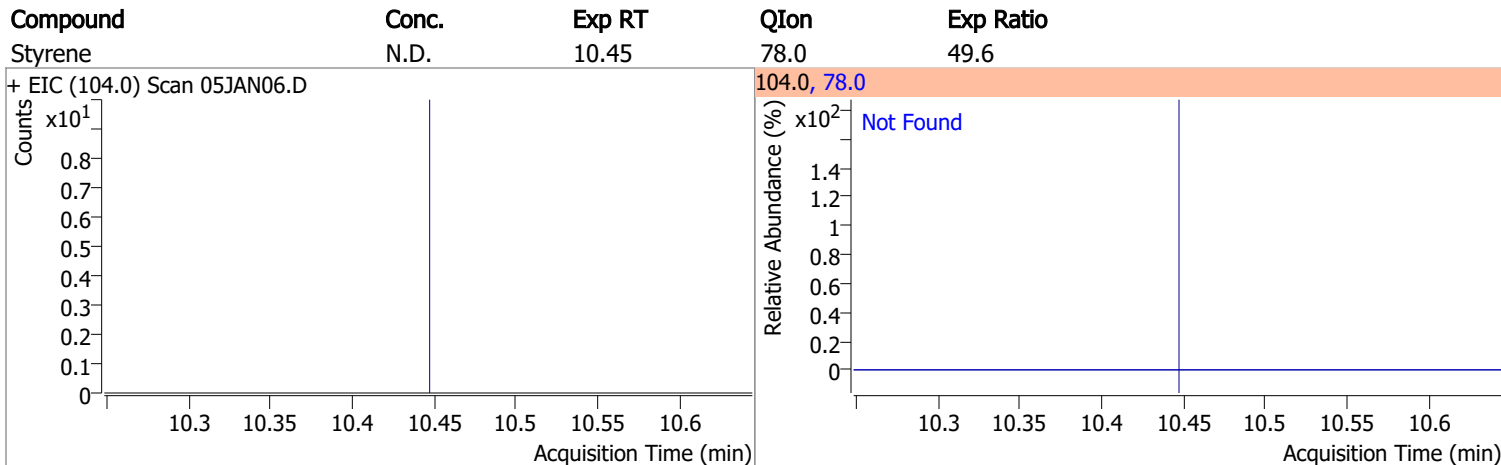
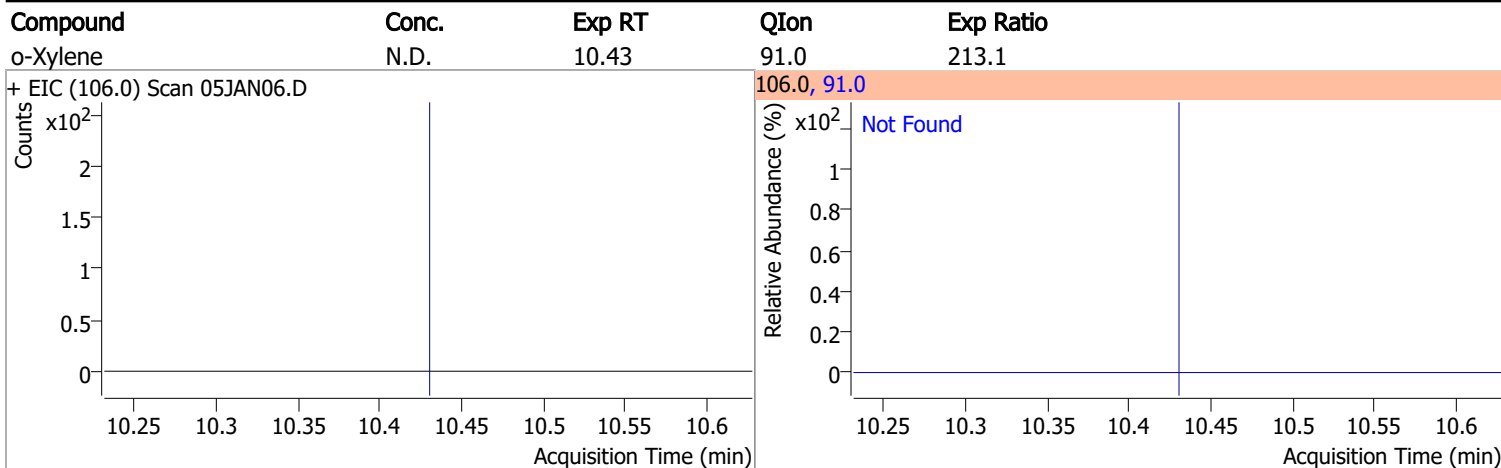
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |



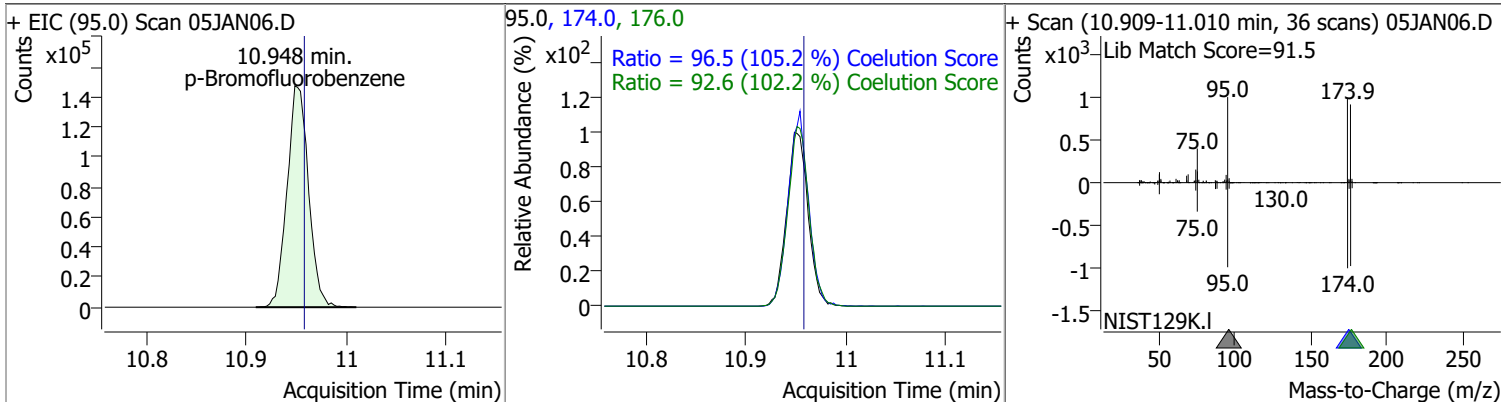
# Quantitation Results Report (QT Reviewed)



# Quantitation Results Report (QT Reviewed)

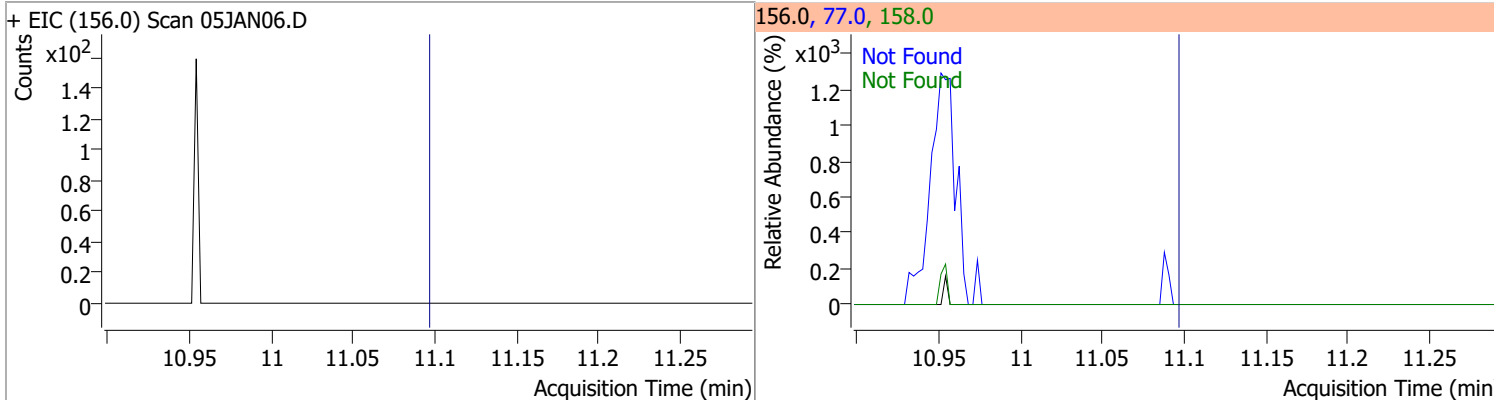


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 263.9340 | 10.95 | -0.01    | 219115 | 174.0 | 96.5   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 92.6   | 60.6  | 120.6 |

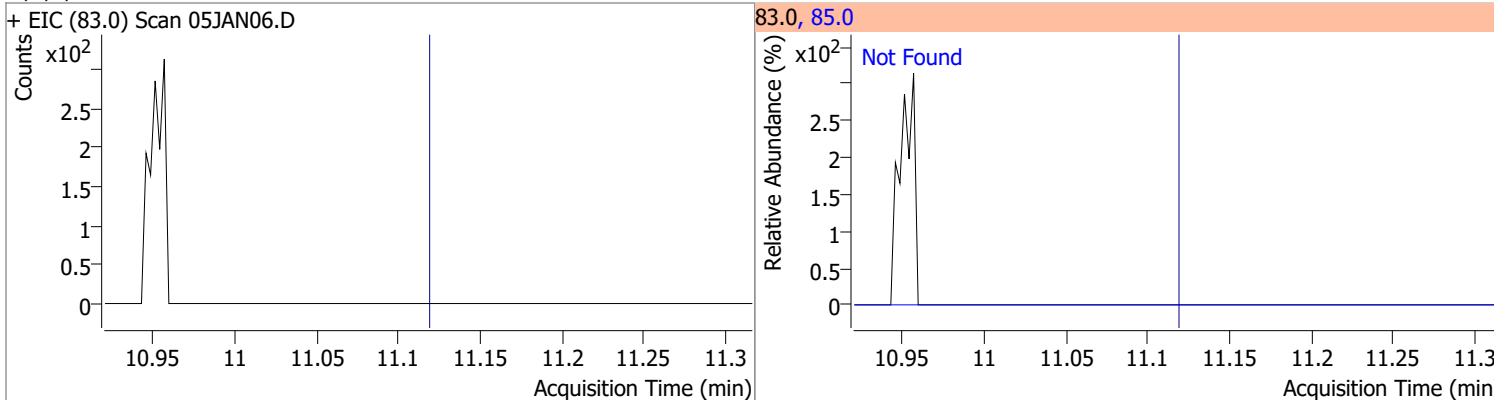


# Quantitation Results Report (QT Reviewed)

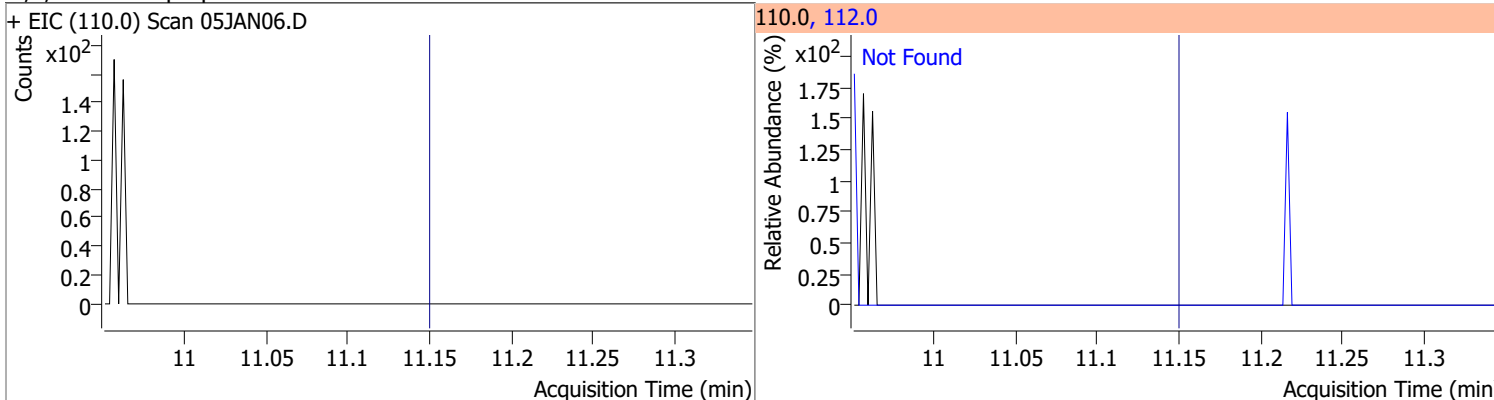
| Compound     | Conc. | Exp RT | QIon | Exp Ratio | QIon  | Exp Ratio |
|--------------|-------|--------|------|-----------|-------|-----------|
| Bromobenzene | N.D.  | 11.09  | 77.0 | 145.7     | 158.0 | 96.5      |



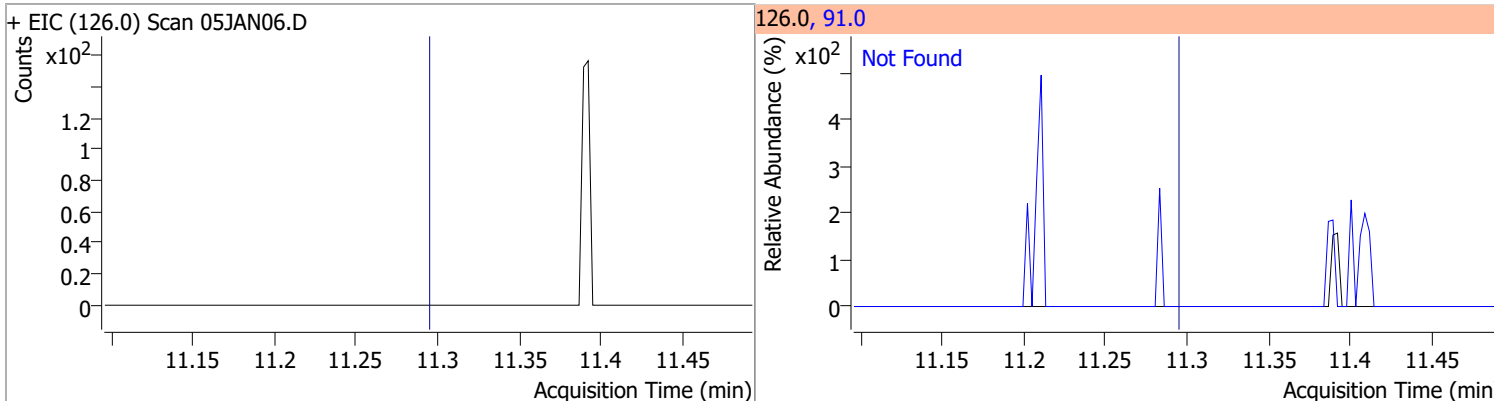
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|
| 1,1,2,2-Tetrachloroethane | N.D.  | 11.12  | 85.0 | 66.2      |



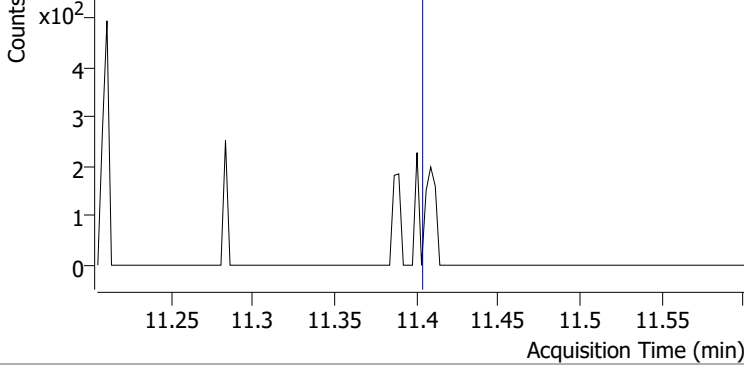
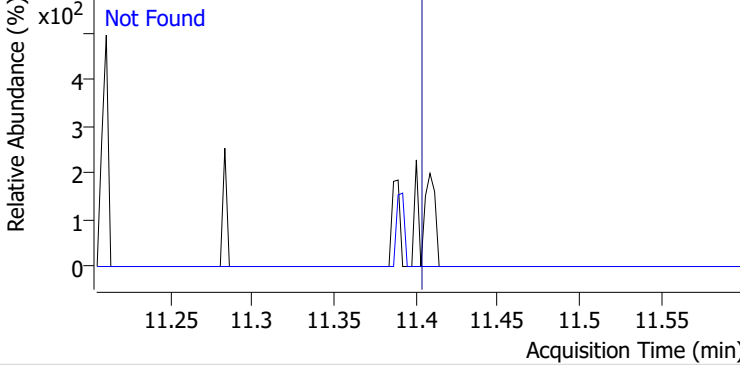
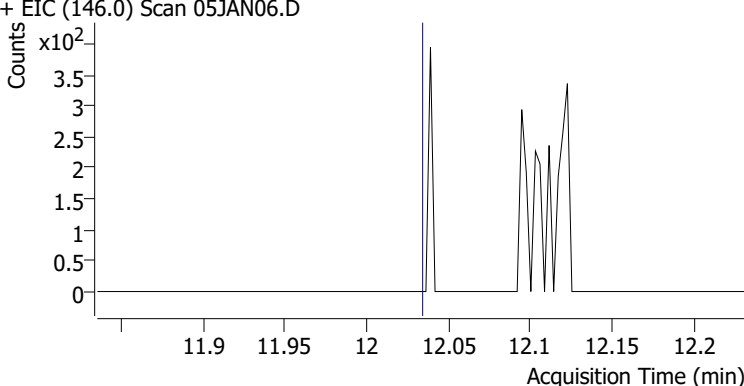
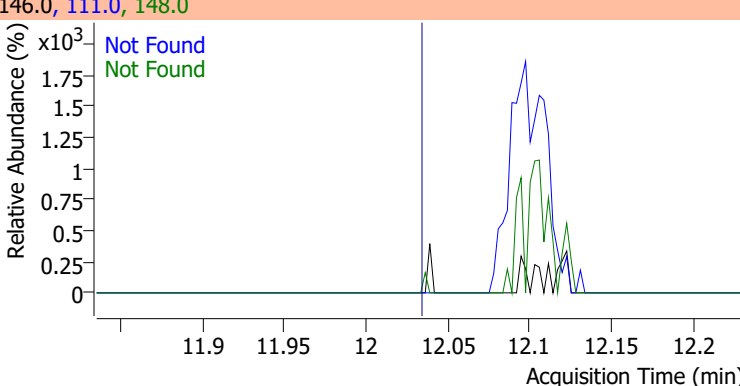
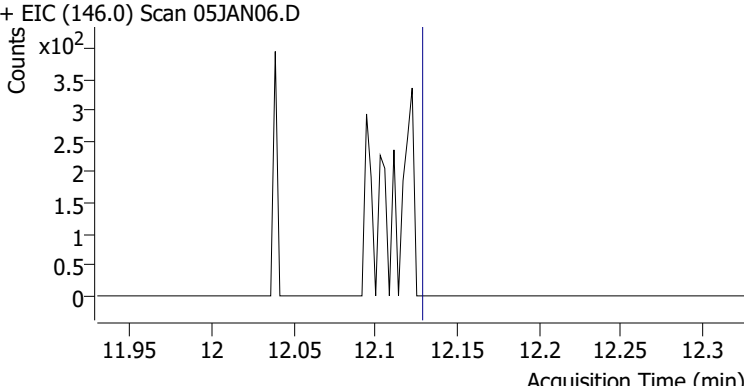
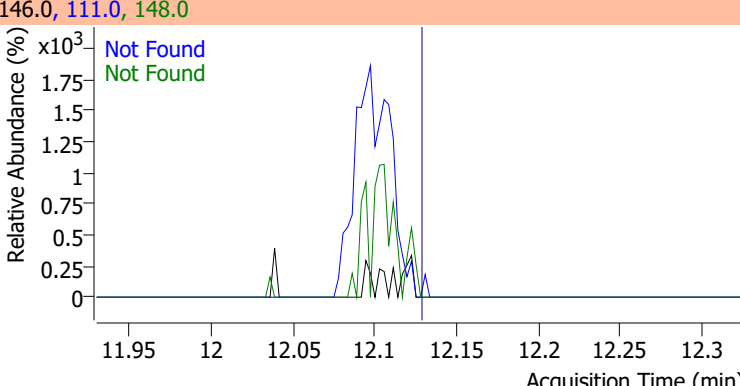
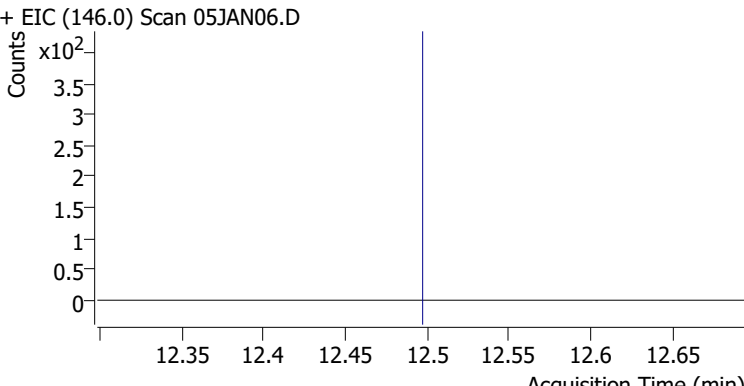
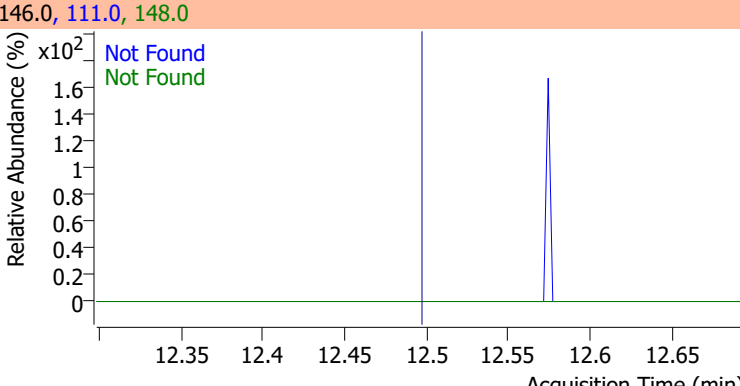
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| 1,2,3-Trichloropropane | N.D.  | 11.15  | 112.0 | 63.5      |



| Compound        | Conc. | Exp RT | QIon | Exp Ratio |
|-----------------|-------|--------|------|-----------|
| 2-Chlorotoluene | N.D.  | 11.29  | 91.0 | 282.3     |

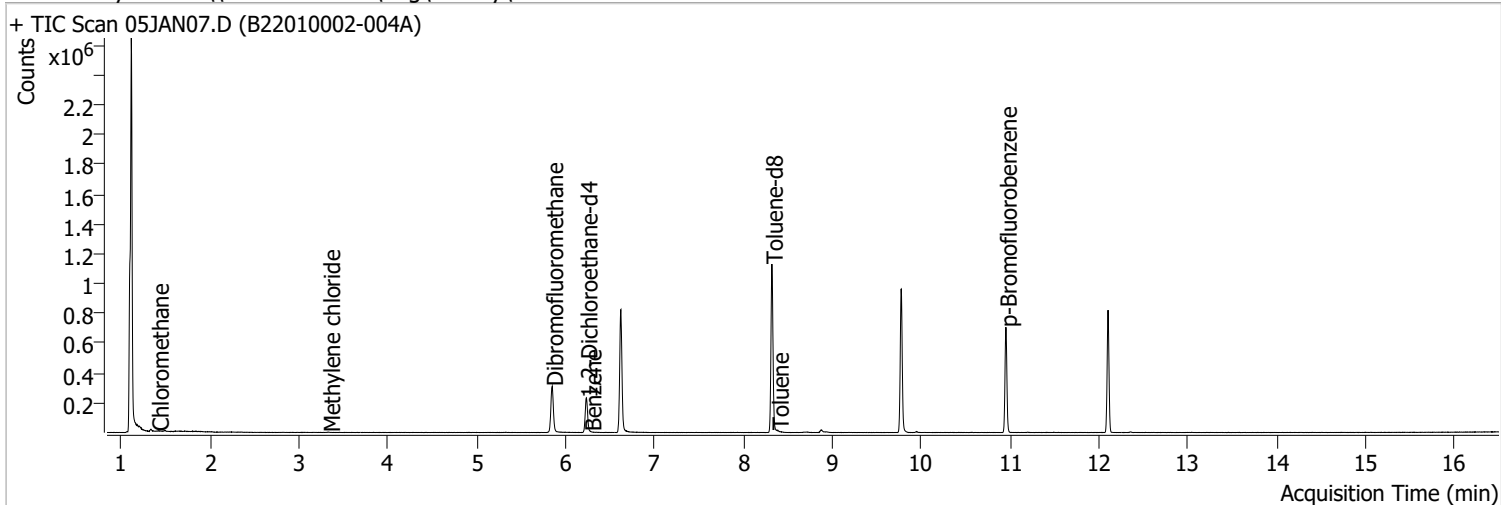


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN06.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN06.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN06.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN06.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN07.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 12:49:15 PM  |
| Sample Name    | B22010002-004A                      | Instrument        | VOA5975C              |
| Vial           | 7                                   | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



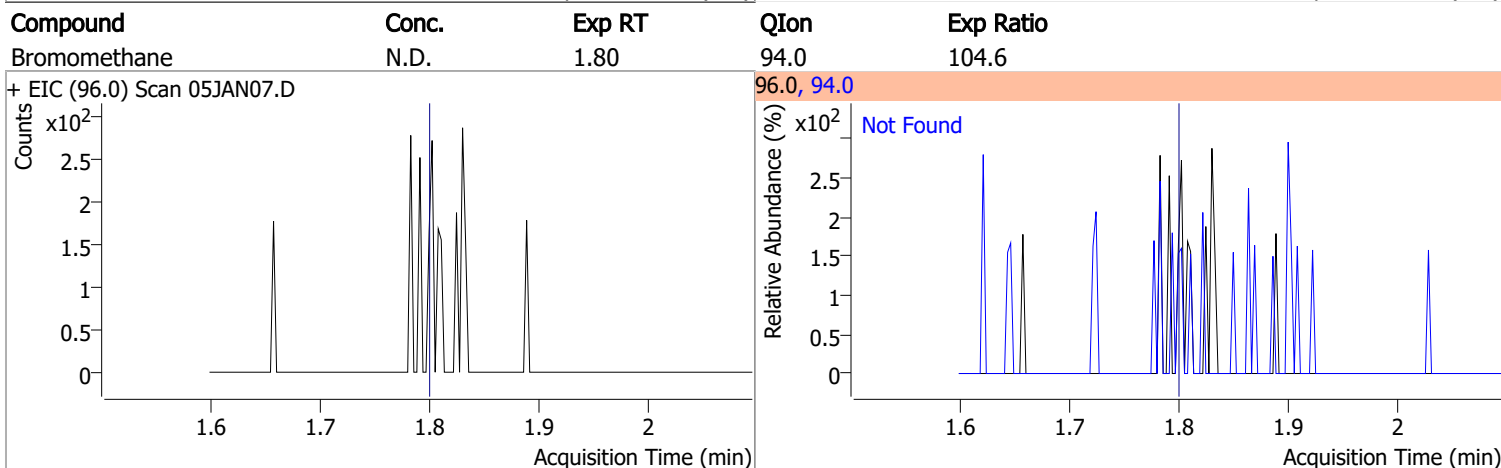
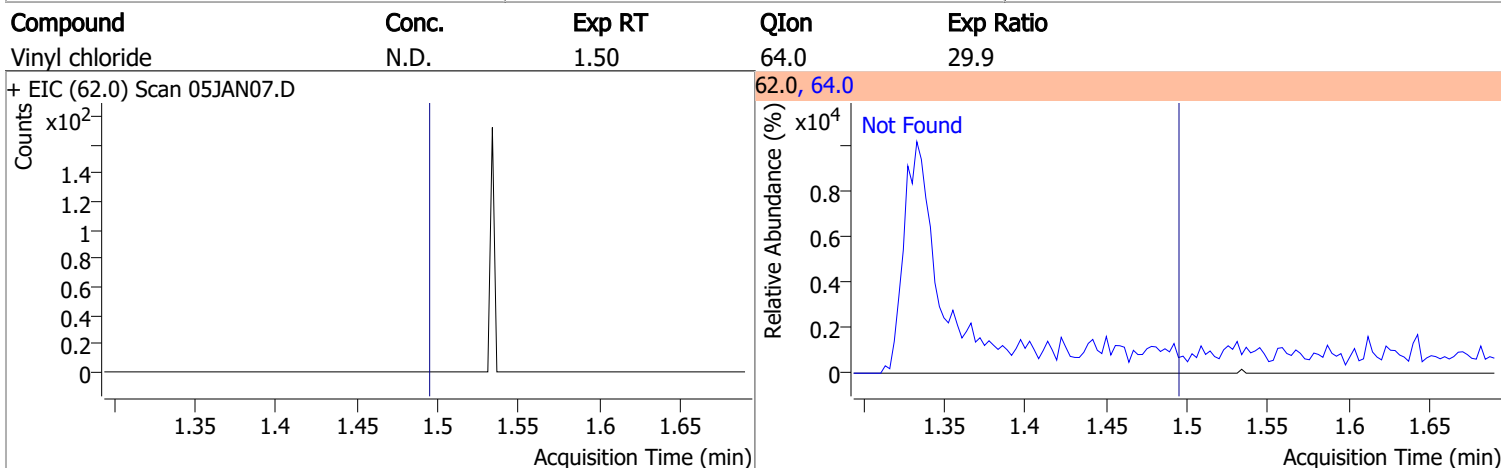
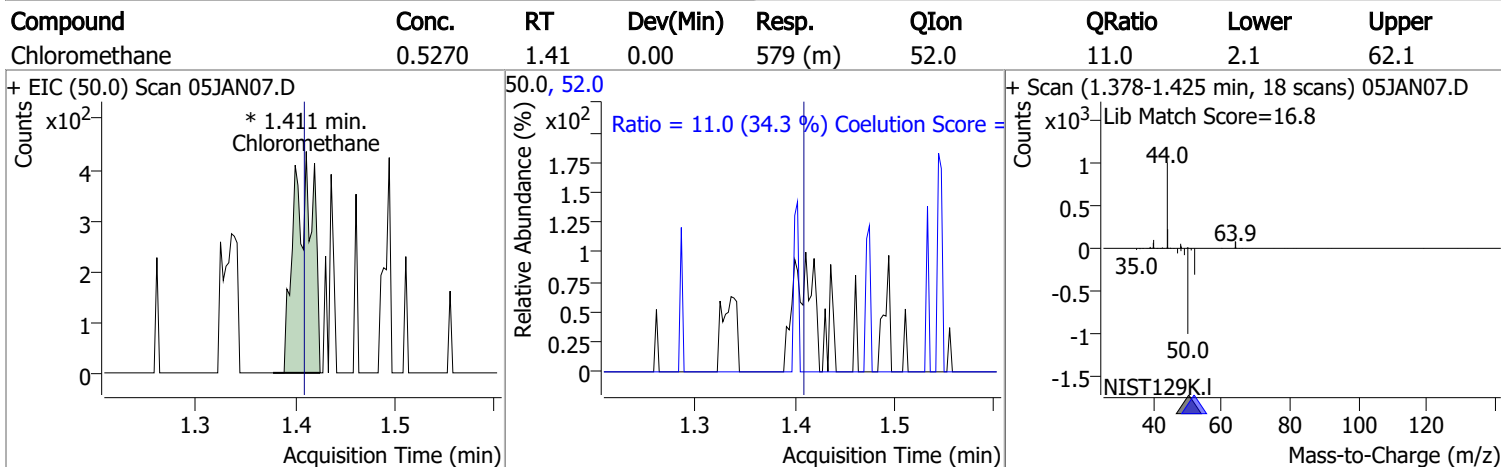
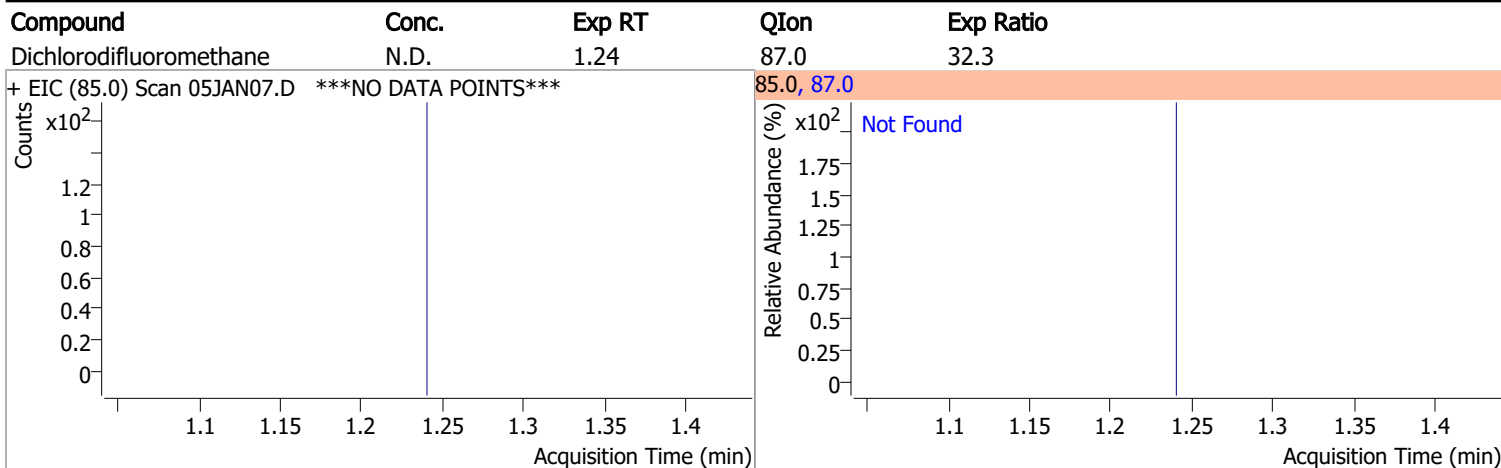
| Compound                           | RT                   | QIon  | Resp.  | Conc.                | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|----------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                      |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 690751 | 250.0000             | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 266290 | 250.0000             | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 193287 | 250.0000             | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                      |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 182638 | 280.6545             | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 112.26%   |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 83829  | 298.2386             | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 119.30% * |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 684900 | 266.9024             | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 106.76%   |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 199881 | 282.2742             | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 112.91%   |       |          |
| <b>Target Compounds</b>            |                      |       |        |                      |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloromethane                    | 1.411                | 50.0  | 579    | 0.5270               | ng    | m 62     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.                 |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.                 |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.                 |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.                 |       |          |
| T Methylene chloride               | 3.338                | 49.0  | 1563   | 1.5237               | ng    | m 81     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.                 |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.                 |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.                 |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.                 |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.                 |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.                 |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloroform                       | 0.000                |       | 0      | N.D.                 |       |          |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT    | QIon | Resp. | Conc.  | Units |   | Dev(Min) |
|-----------------------------|-------|------|-------|--------|-------|---|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |   |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Benzene                   | 6.277 | 78.0 | 306   | 0.1114 | ng    | m | 89       |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.   |       |   |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.   |       |   |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.   |       |   |          |
| T Toluene                   | 8.386 | 92.0 | 1710  | 0.9866 | ng    | m | 98       |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |   |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.   |       |   |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |   |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.   |       |   |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.   |       |   |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.   |       |   |          |
| T Styrene                   | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.   |       |   |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |

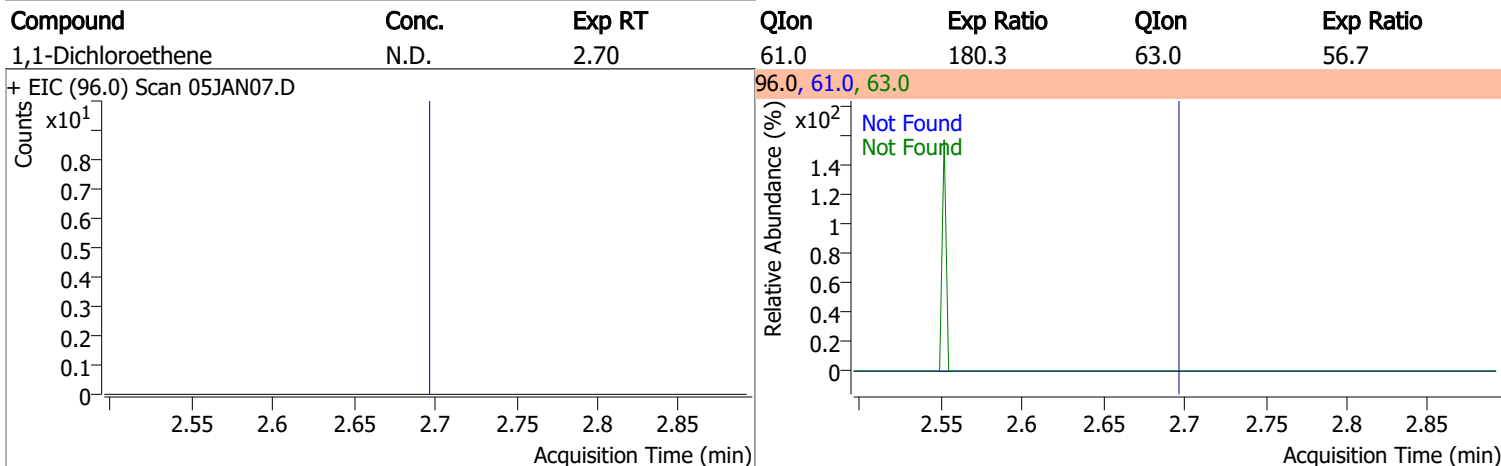
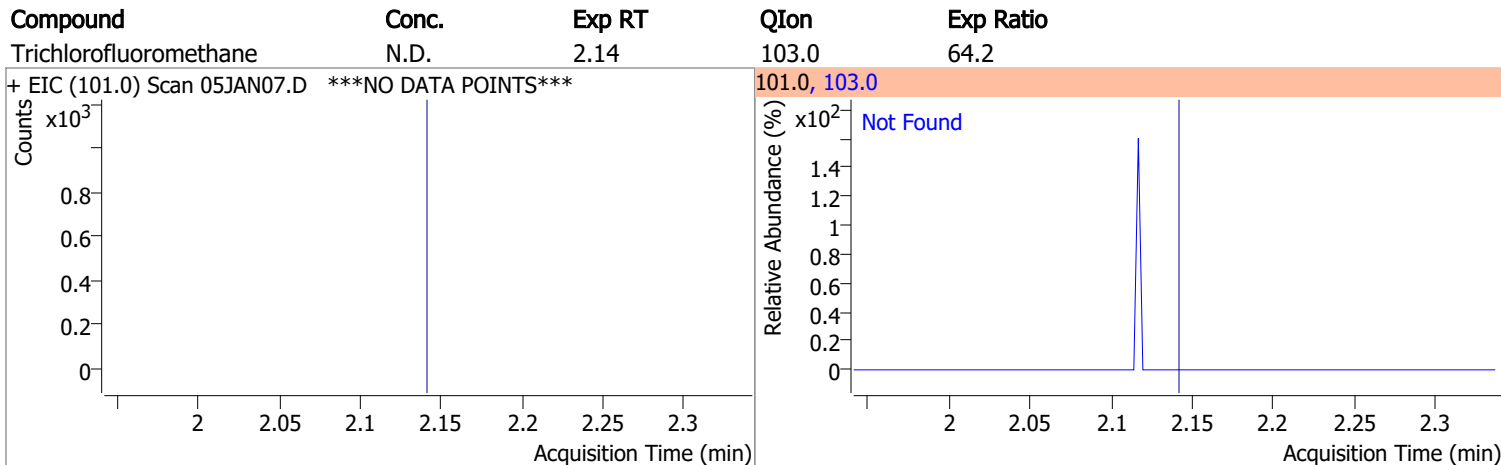
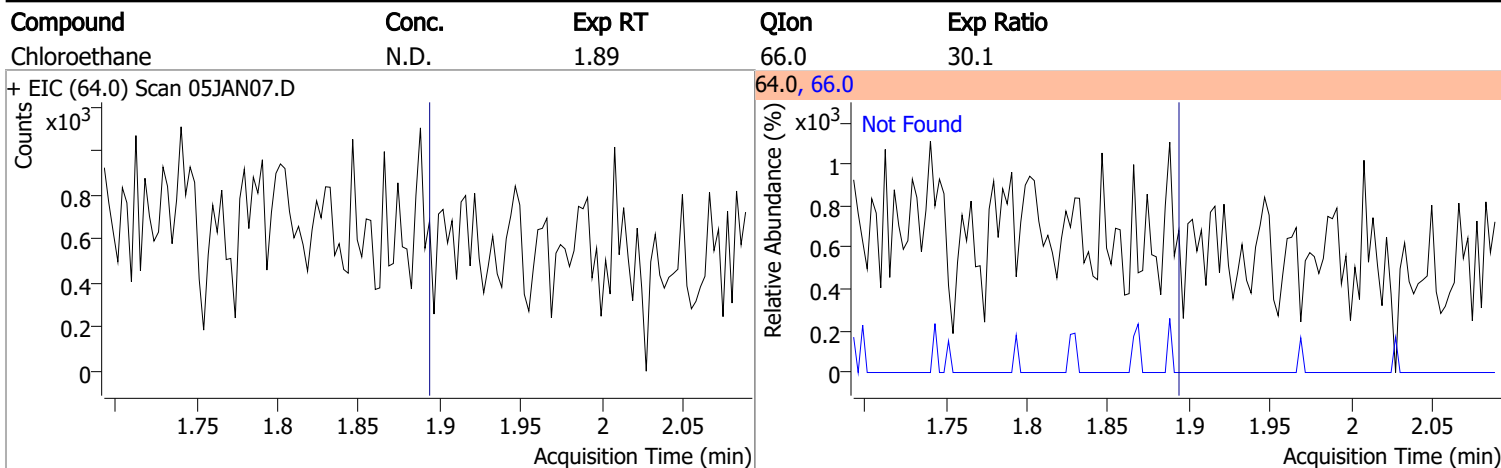
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

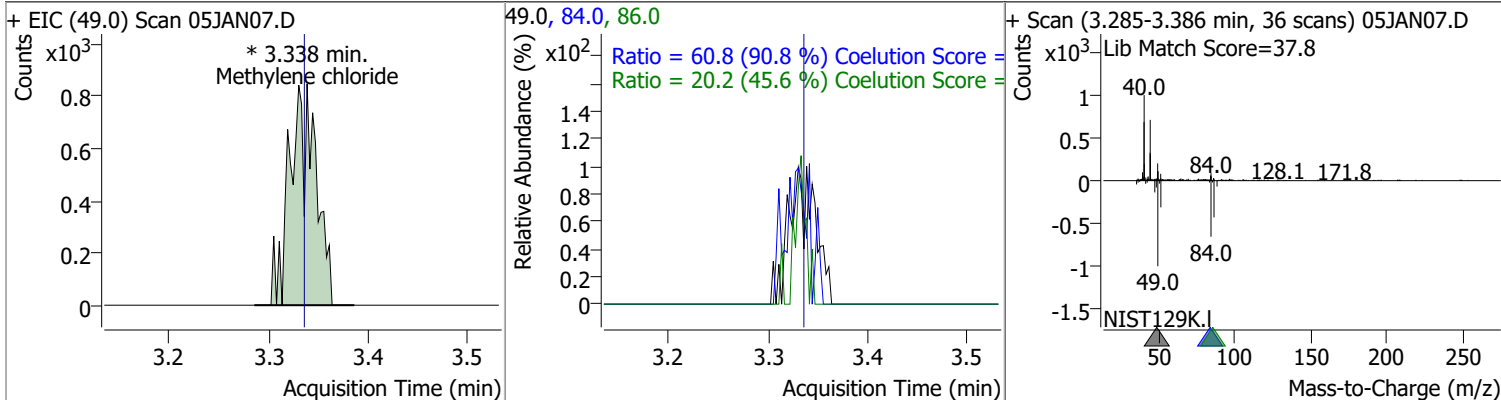




# Quantitation Results Report (QT Reviewed)

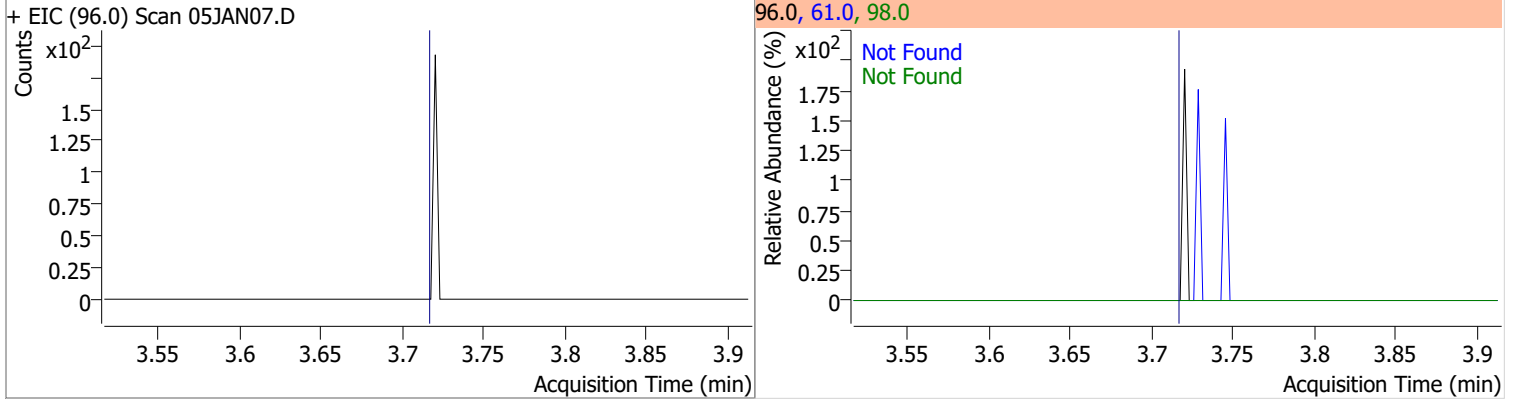


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.5237 | 3.34 | 0.00     | 1563 (m) | 84.0 | 60.8   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 20.2   | 14.3  | 74.3  |

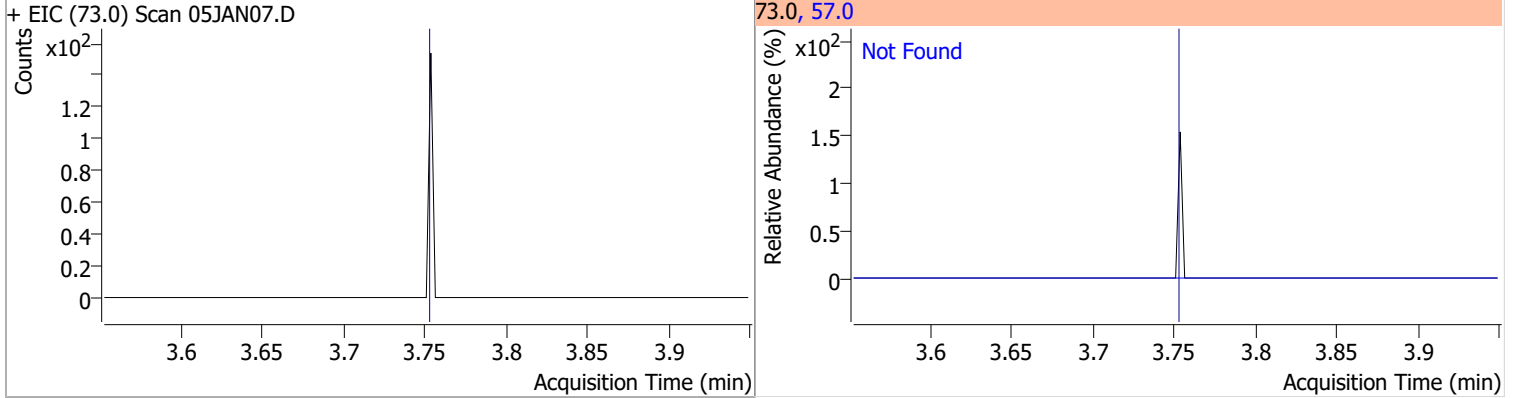


# Quantitation Results Report (QT Reviewed)

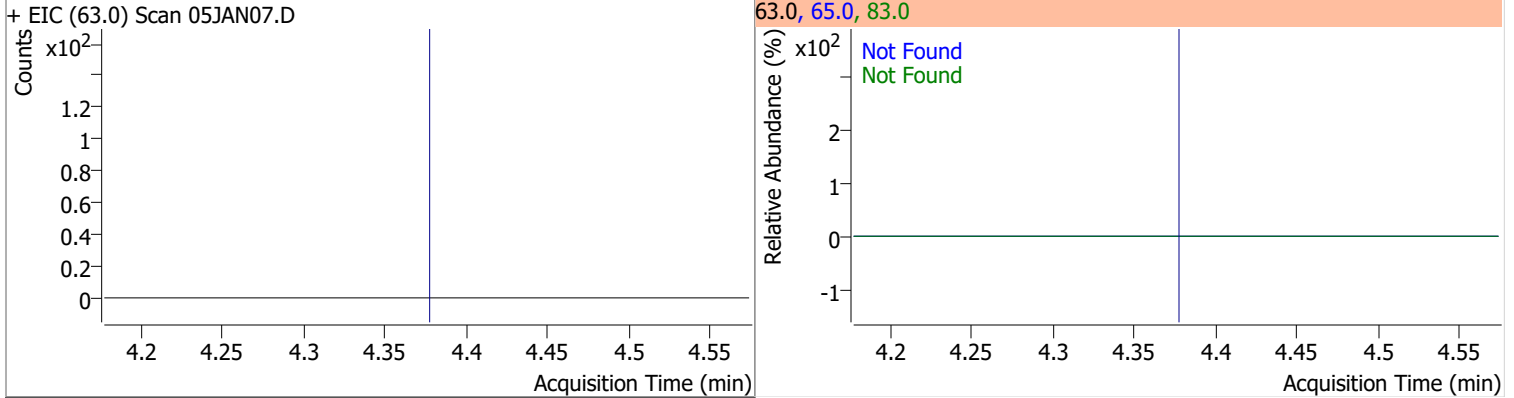
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



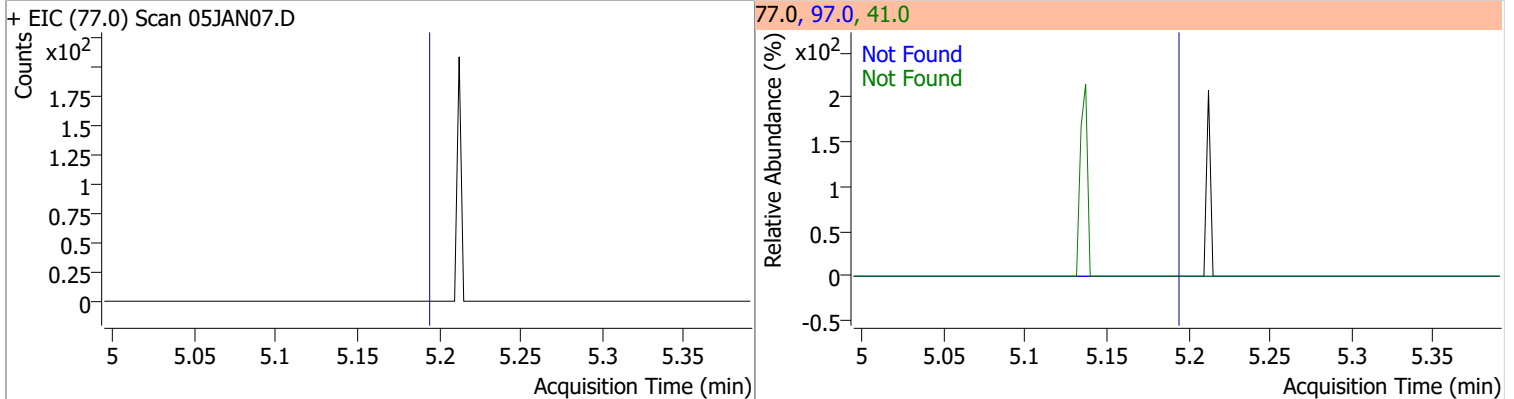
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

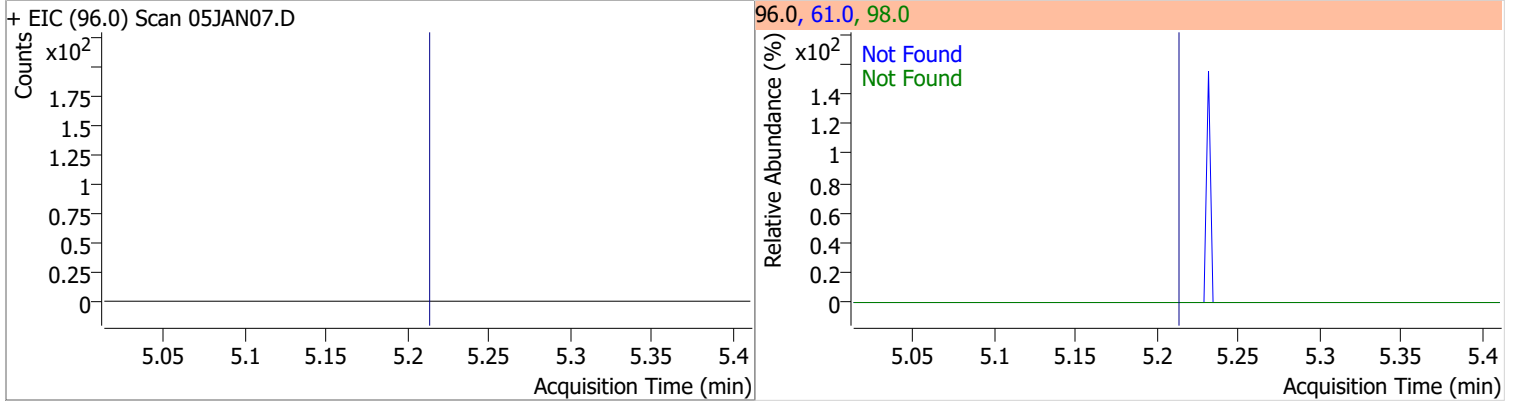


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

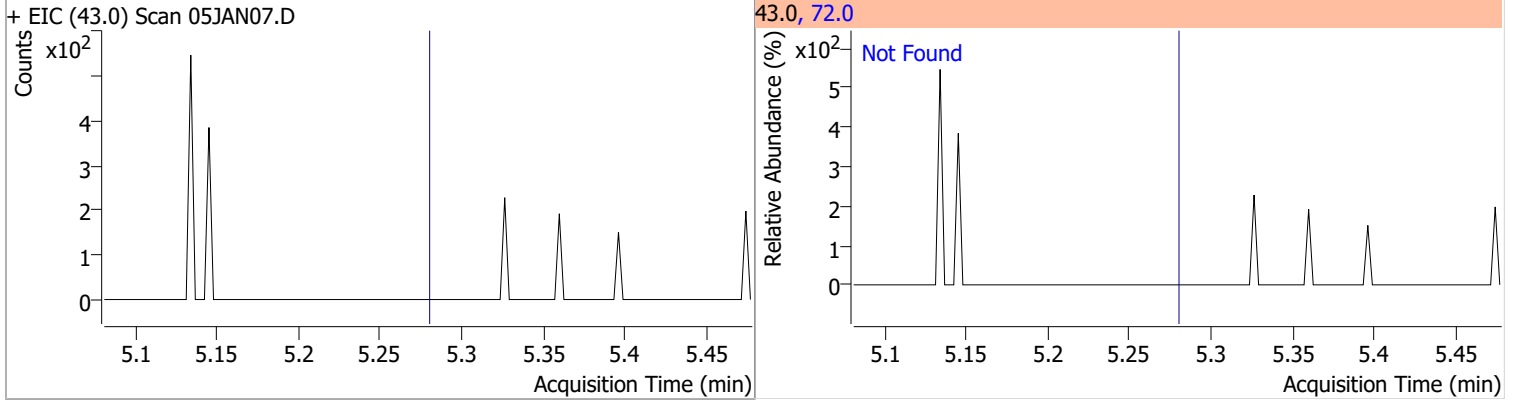


# Quantitation Results Report (QT Reviewed)

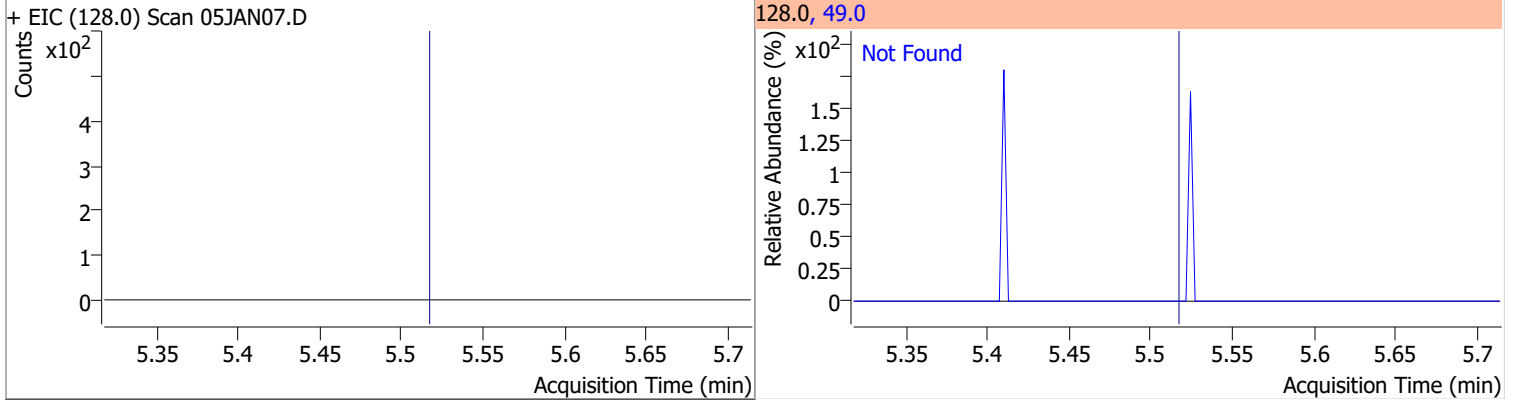
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



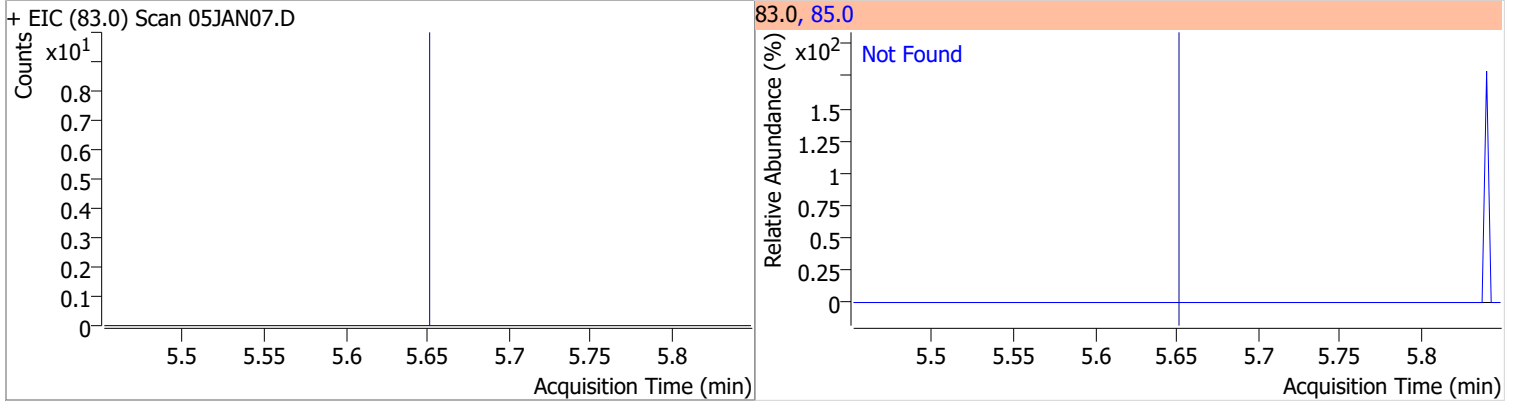
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |

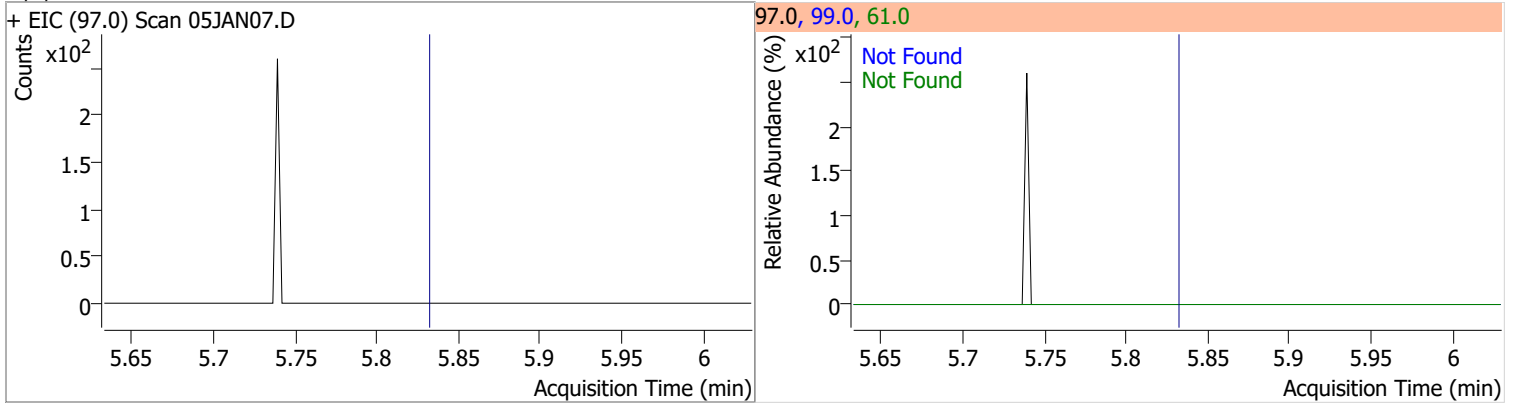


| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |

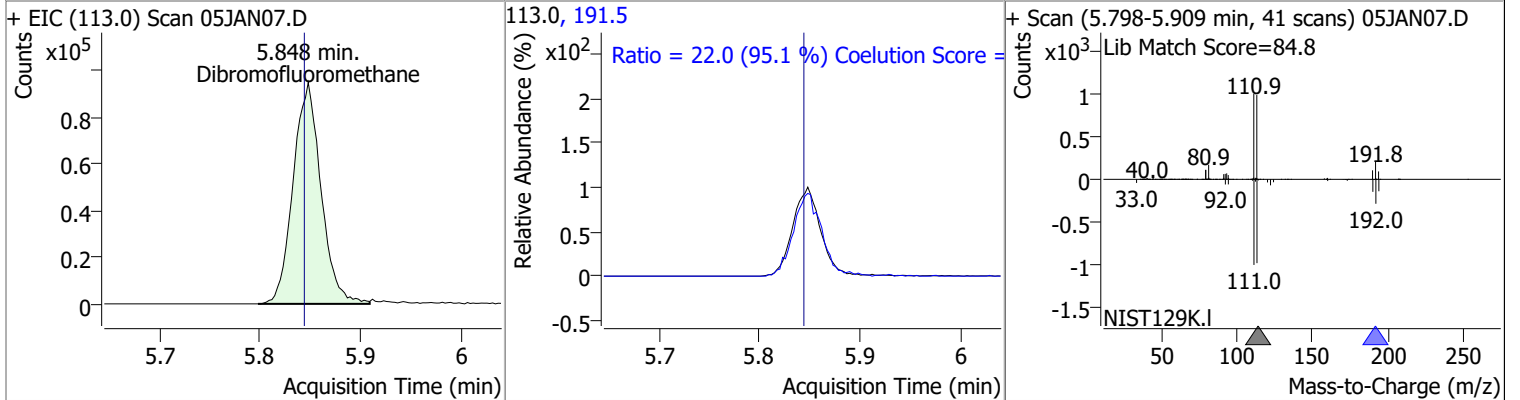


# Quantitation Results Report (QT Reviewed)

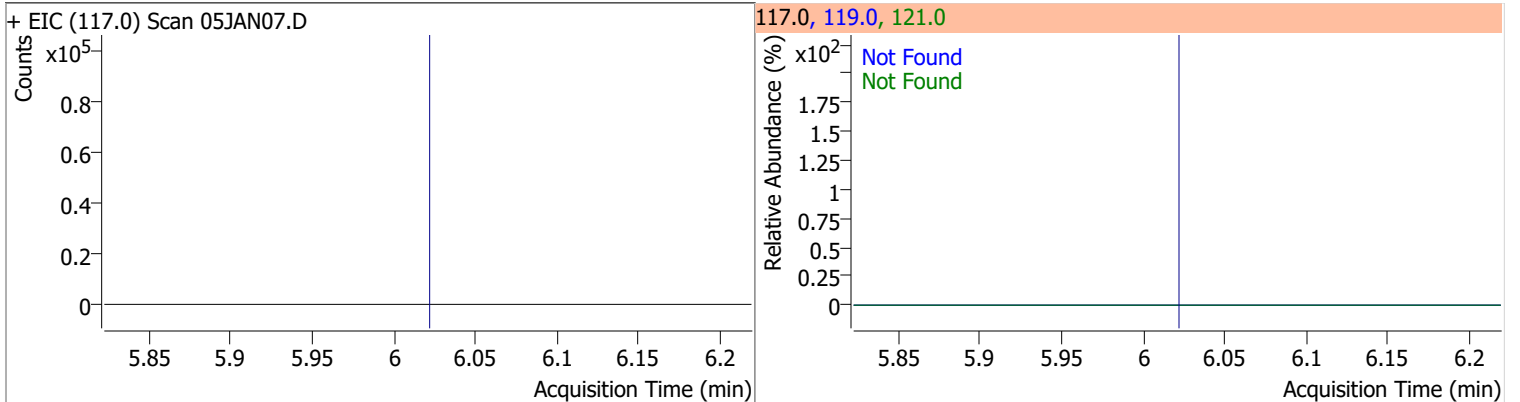
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,1-Trichloroethane | N.D.  | 5.83   | 99.0 | 64.7      | 61.0 | 48.1      |



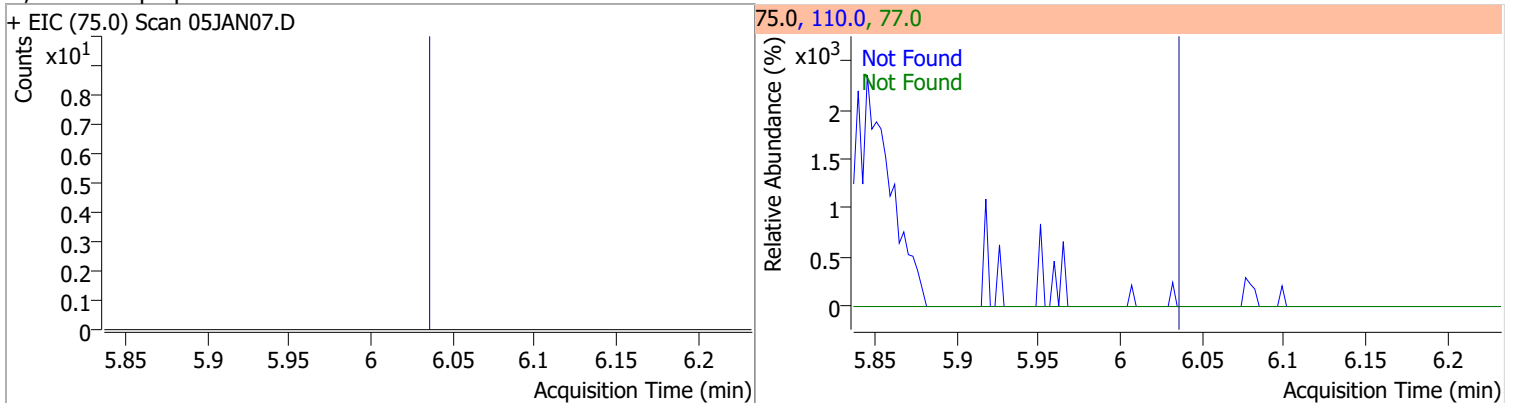
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromofluoromethane | 280.6545 | 5.85 | 0.00     | 182638 | 191.5 | 22.0   | 0.0   | 53.1  |



| Compound             | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|-------|-----------|
| Carbon tetrachloride | N.D.  | 6.02   | 119.0 | 97.2      | 121.0 | 30.1      |

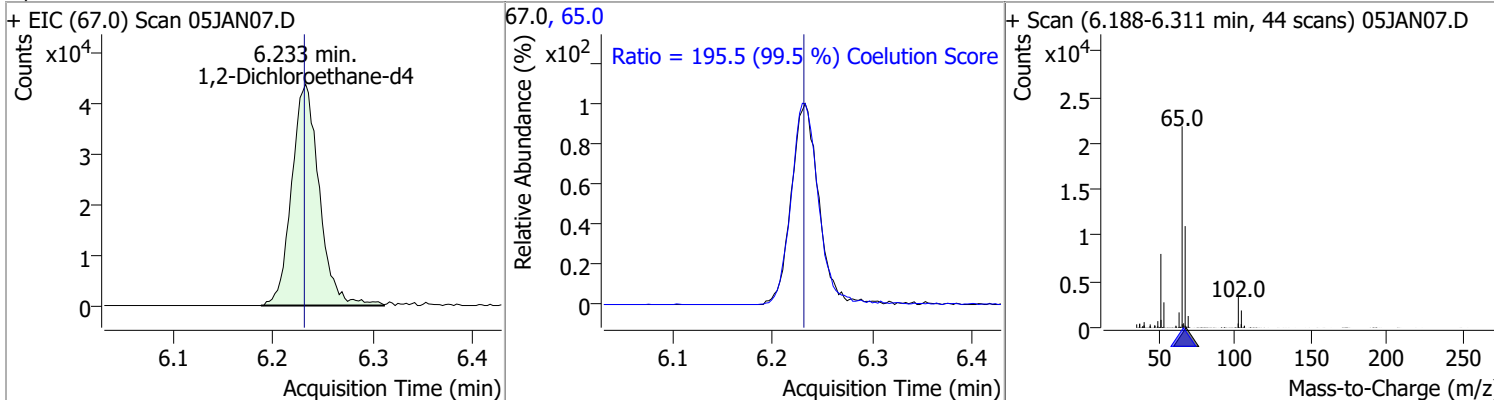


| Compound            | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|-------|-----------|------|-----------|
| 1,1-Dichloropropene | N.D.  | 6.04   | 110.0 | 35.9      | 77.0 | 30.1      |

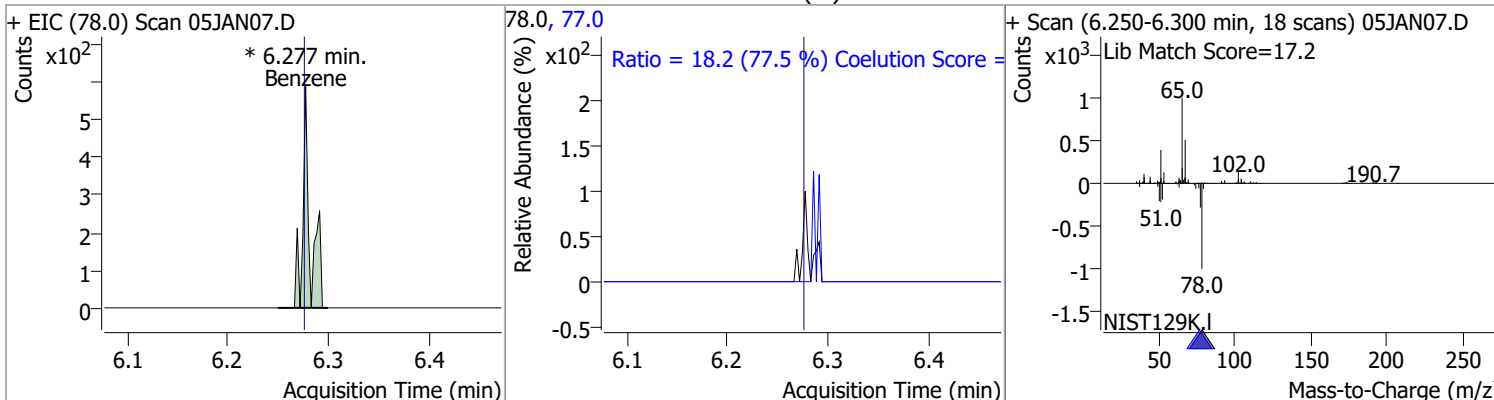


# Quantitation Results Report (QT Reviewed)

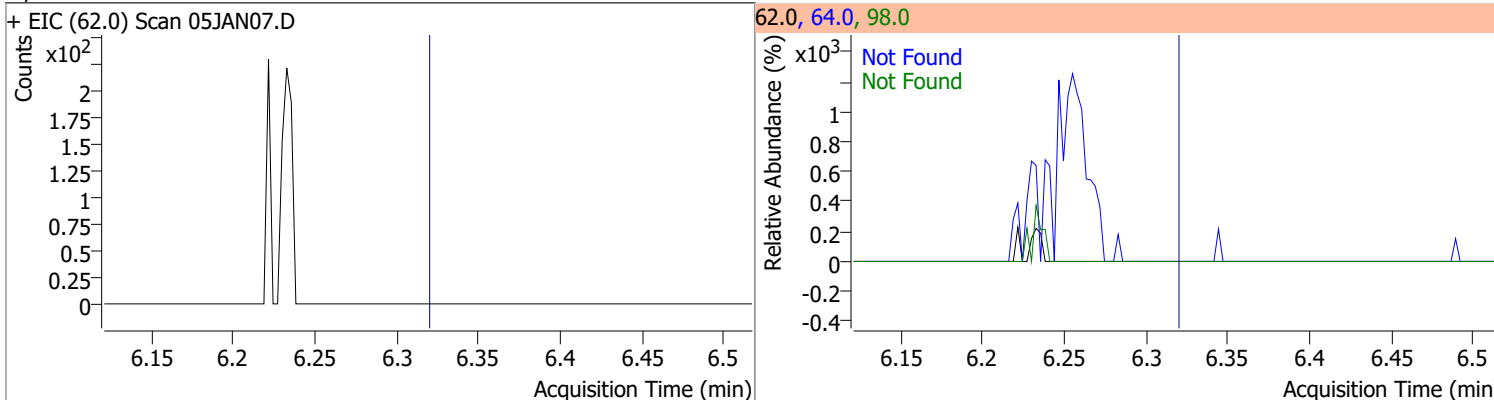
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 298.2386 | 6.23 | 0.00     | 83829 | 65.0 | 195.5  | 166.5 | 226.5 |



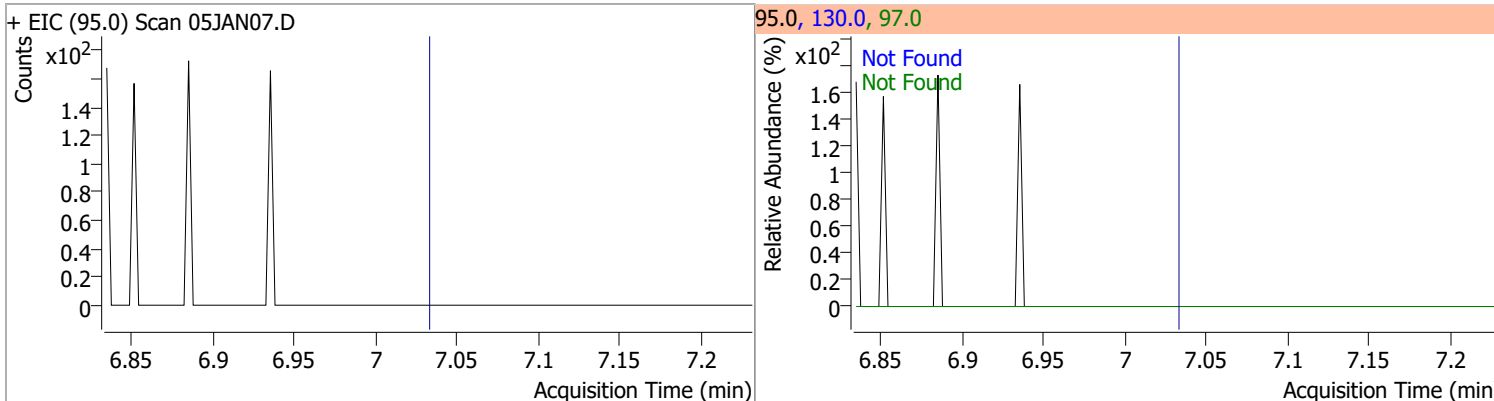
| Compound | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 0.1114 | 6.28 | 0.00     | 306 (m) | 77.0 | 18.2   | 0.0   | 53.5  |



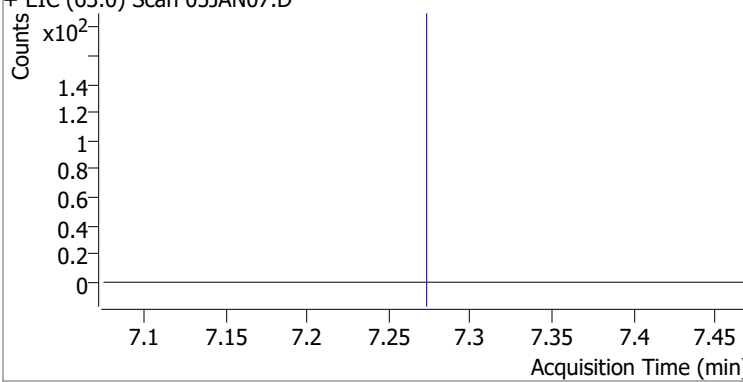
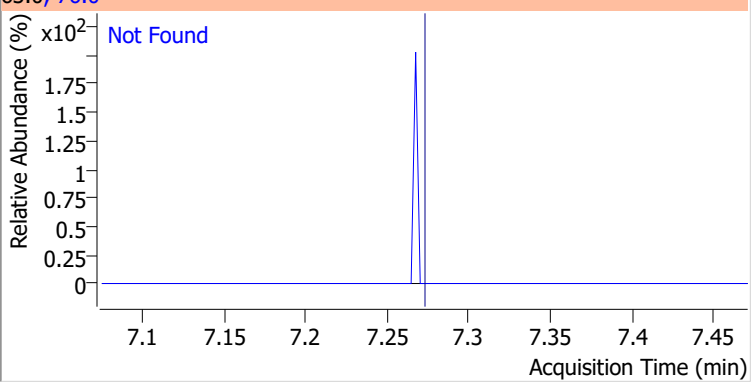
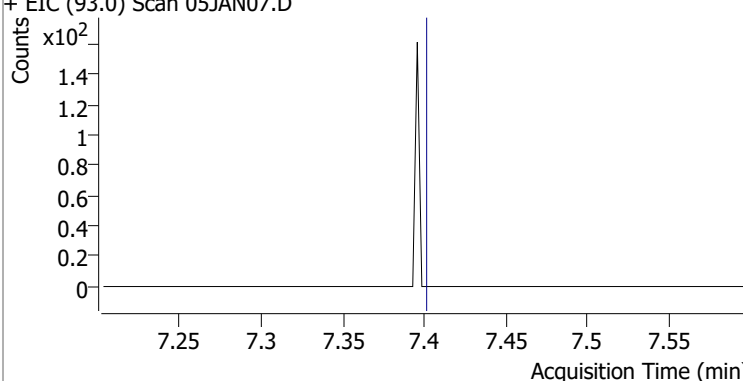
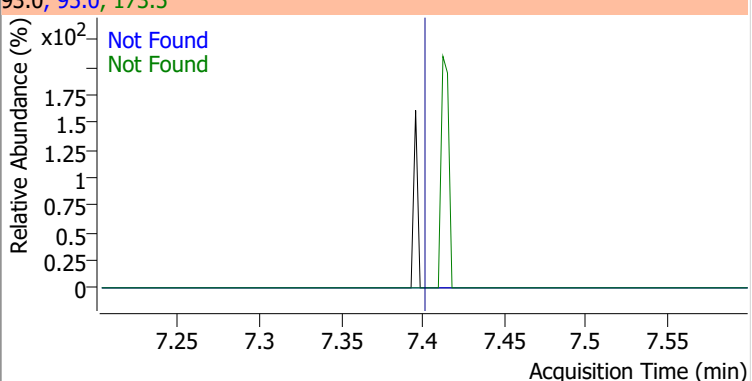
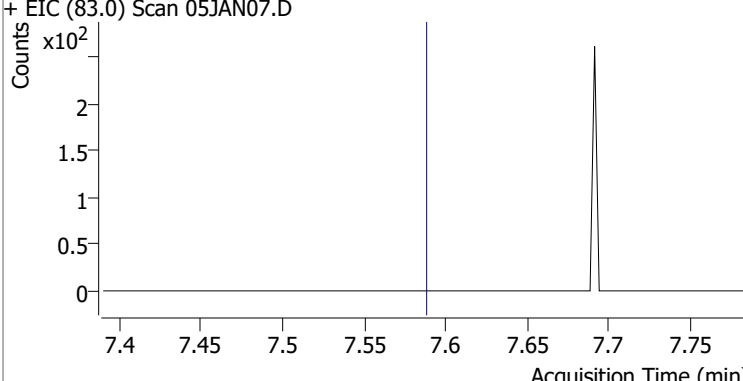
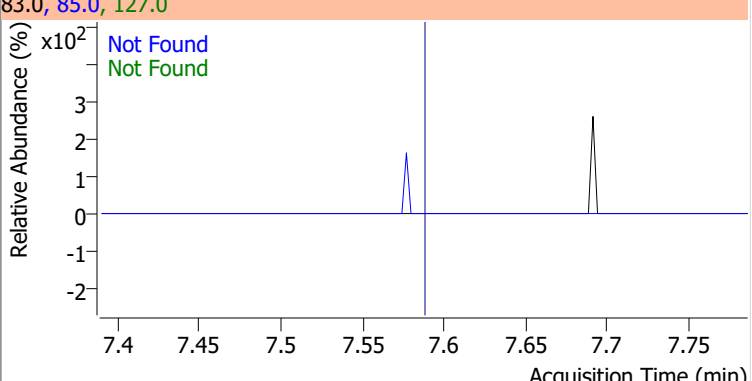
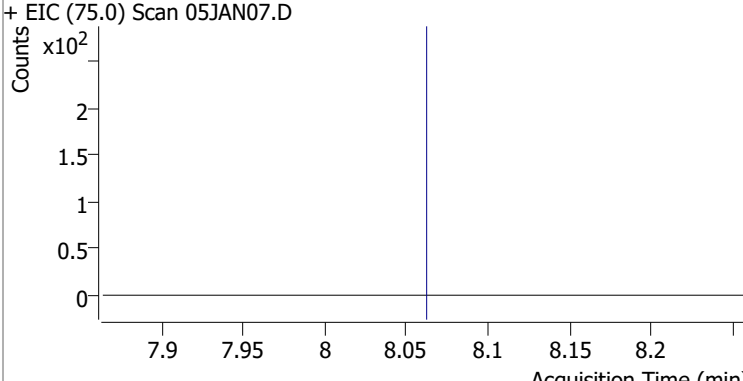
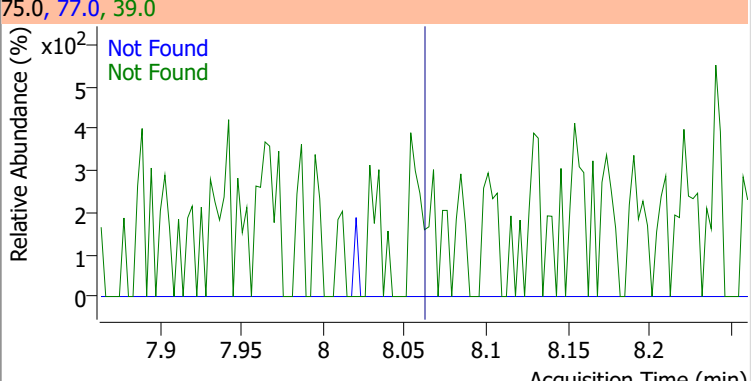
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

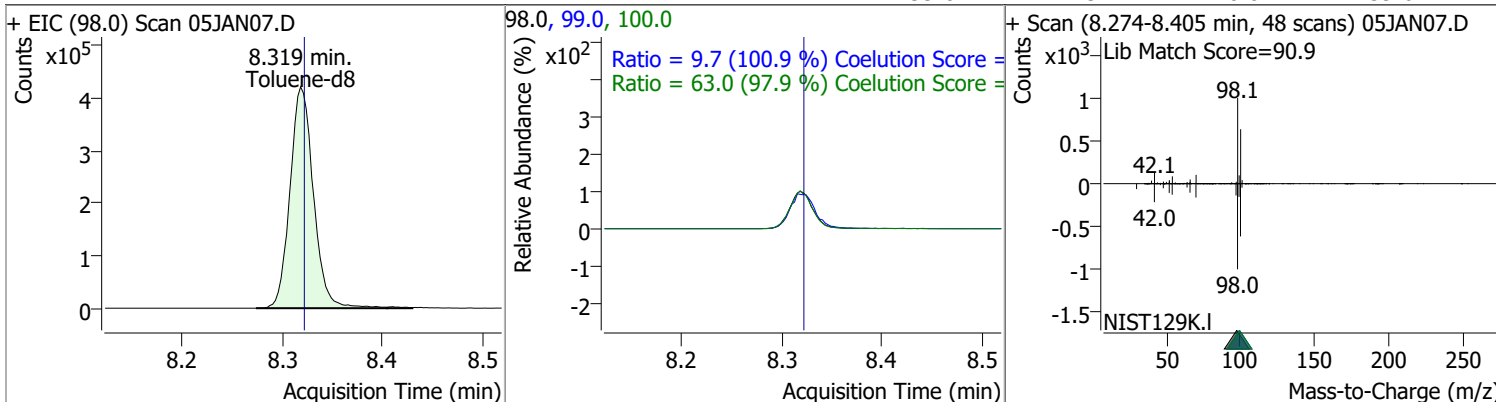


# Quantitation Results Report (QT Reviewed)

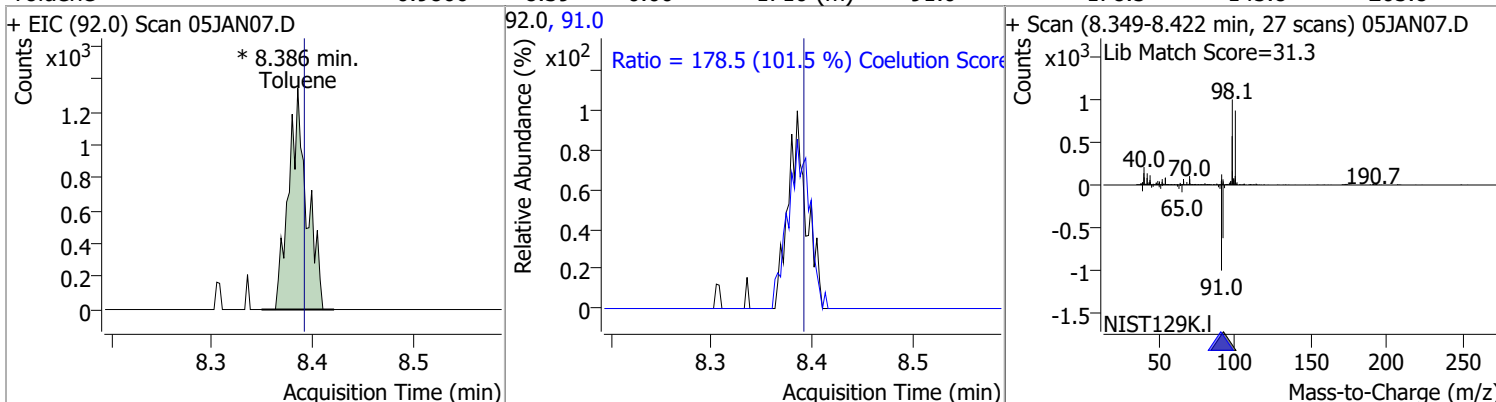
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |       |      |
|--|-------|--------|--|-----------|-------|------|
| 1,2-Dichloropropane  | N.D.  | 7.27   | 76.0   | 38.2      |       |      |
| + EIC (63.0) Scan 05JAN07.D  |       |        | 63.0, 76.0   |           |       |      |
|    |       |        |    |           |       |      |
| Dibromomethane   | N.D.  | 7.40   | 173.5  | 113.7     | 95.0  | 82.2 |
| + EIC (93.0) Scan 05JAN07.D  |       |        | 93.0, 95.0, 173.5  |           |       |      |
|   |       |        |   |           |       |      |
| Bromodichloromethane   | N.D.  | 7.59   | 85.0   | 64.5      | 127.0 | 9.6  |
| + EIC (83.0) Scan 05JAN07.D  |       |        | 83.0, 85.0, 127.0  |           |       |      |
|  |       |        |  |           |       |      |
| cis-1,3-Dichloropropene  | N.D.  | 8.06   | 39.0   | 53.3      | 77.0  | 31.0 |
| + EIC (75.0) Scan 05JAN07.D  |       |        | 75.0, 77.0, 39.0   |           |       |      |
|  |       |        |  |           |       |      |

# Quantitation Results Report (QT Reviewed)

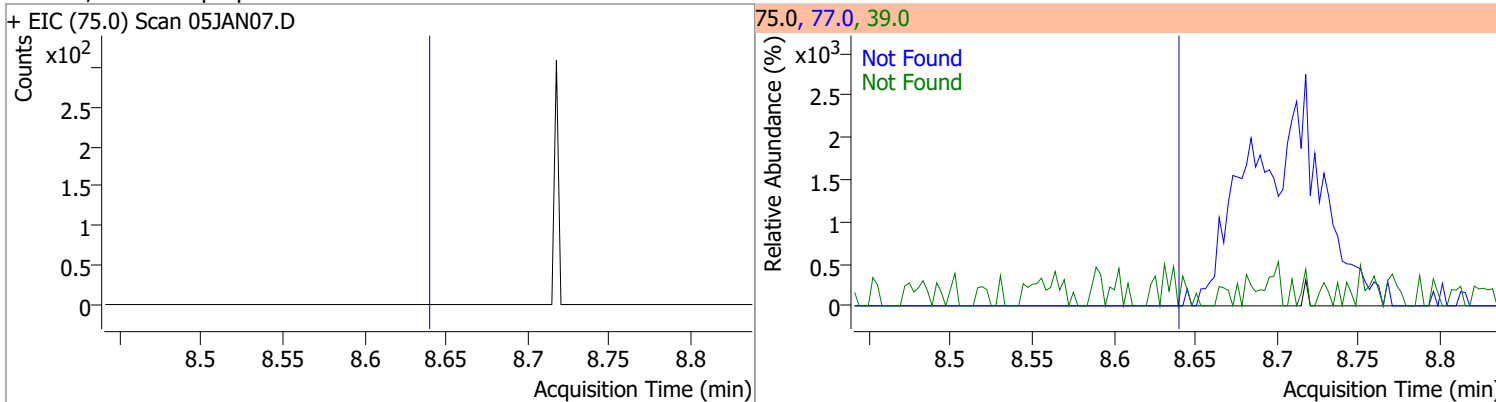
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 266.9024 | 8.32 | 0.00     | 684900 | 100.0 | 63.0   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.7    | 0.0   | 39.6  |



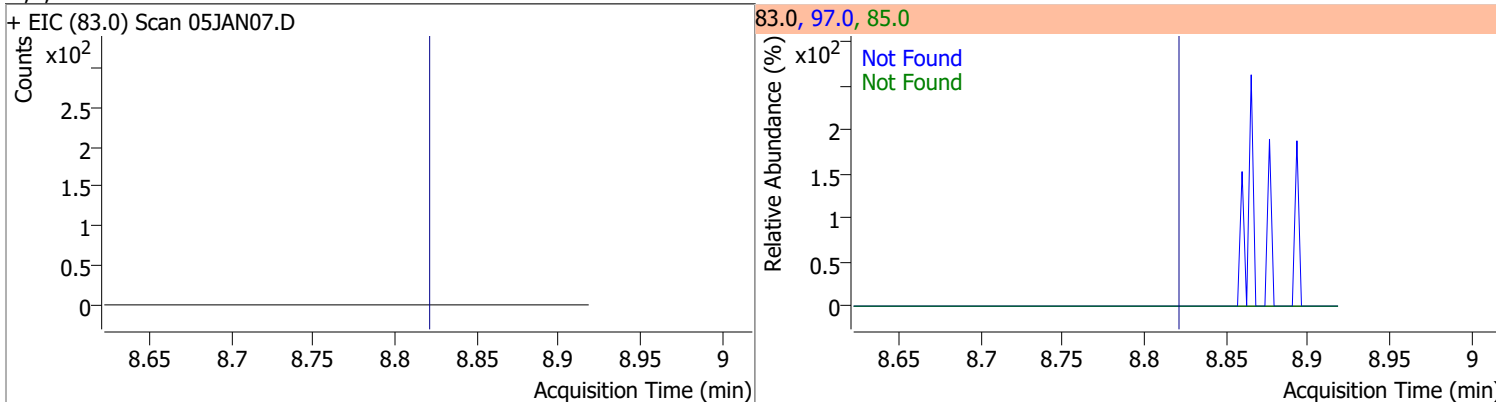
| Compound | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|----------|------|--------|-------|-------|
| Toluene  | 0.9866 | 8.39 | 0.00     | 1710 (m) | 91.0 | 178.5  | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

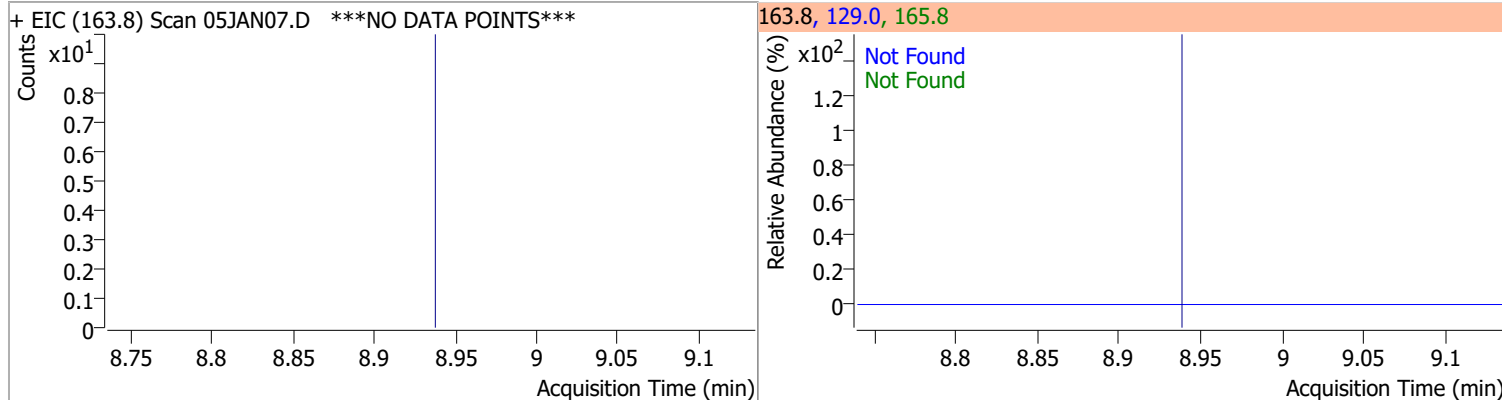


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

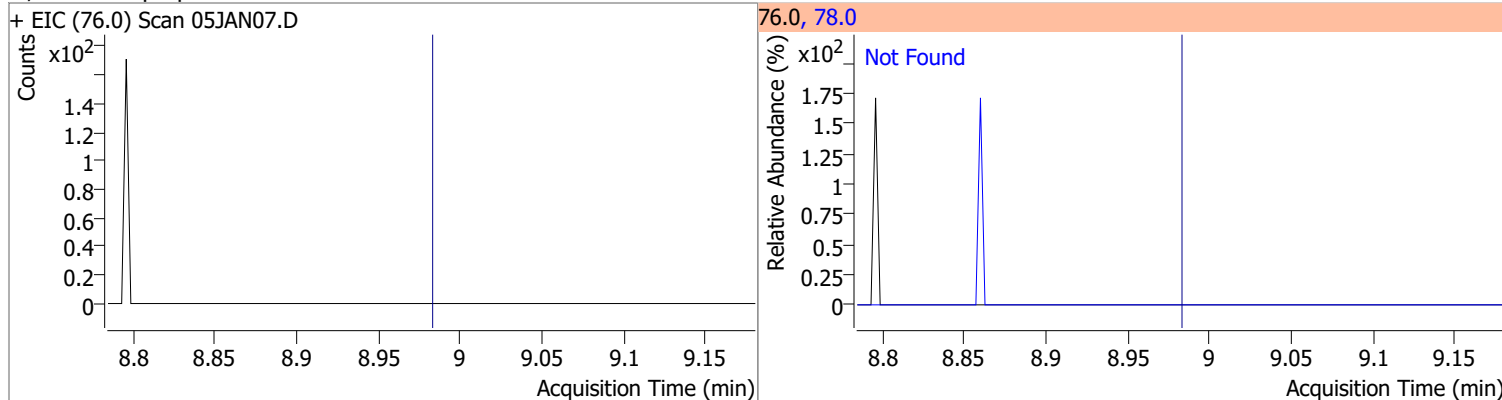


# Quantitation Results Report (QT Reviewed)

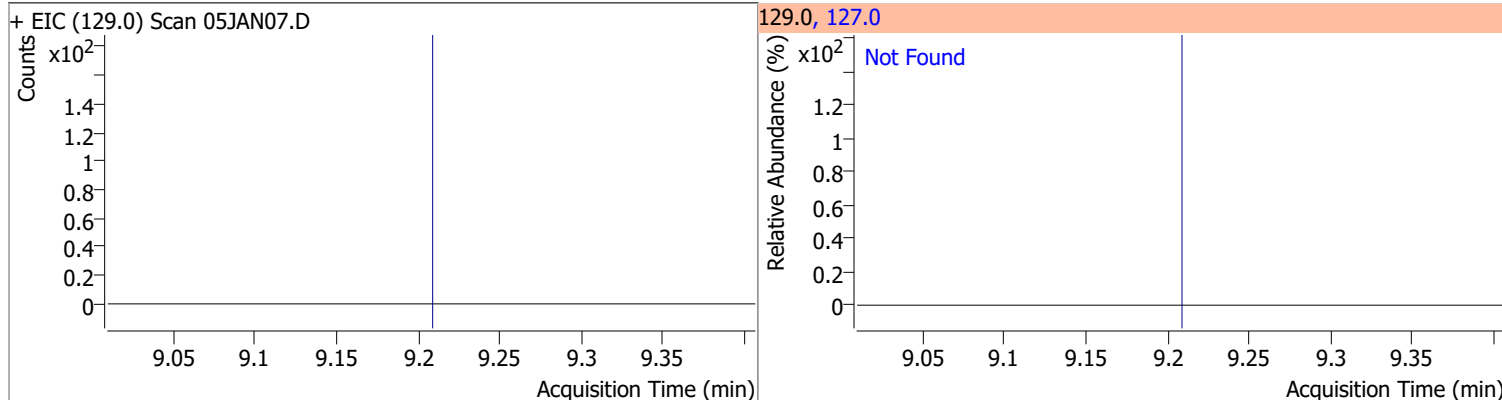
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



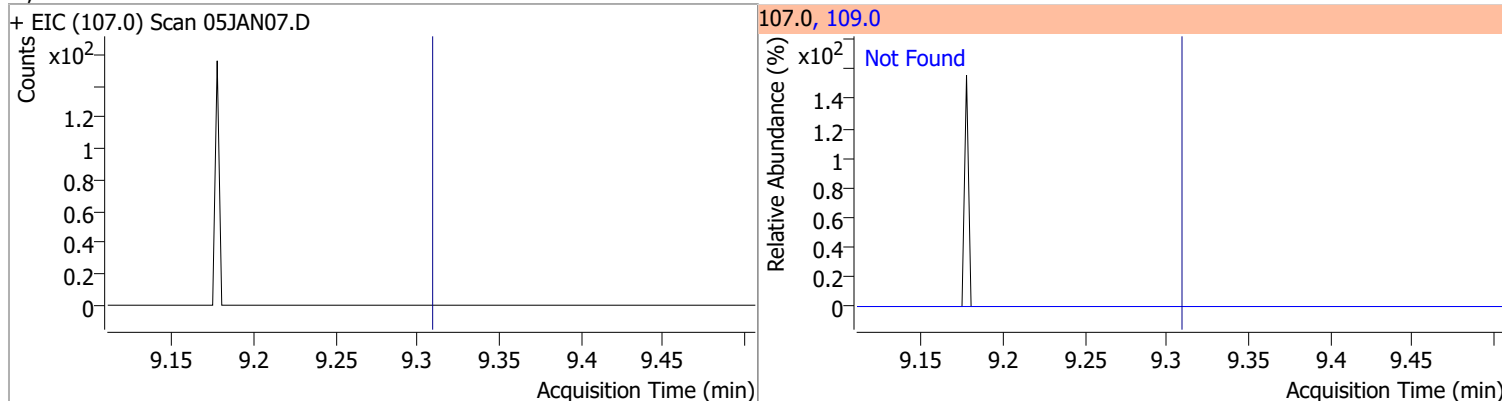
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |

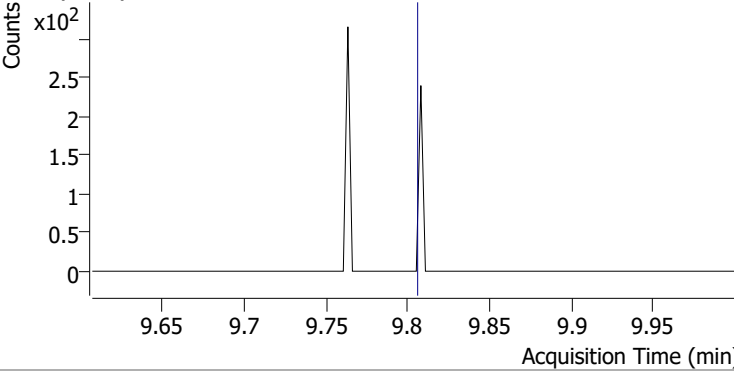
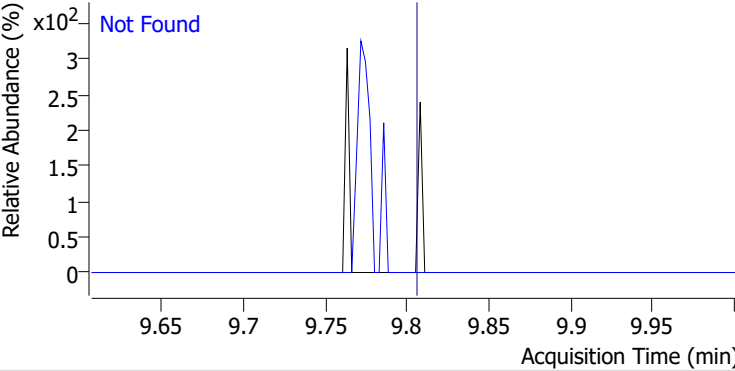
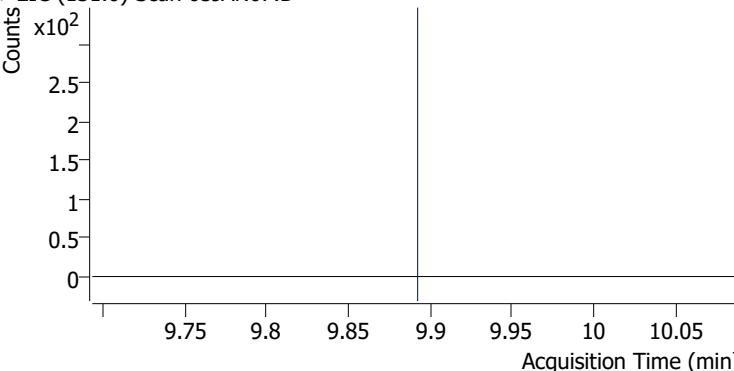
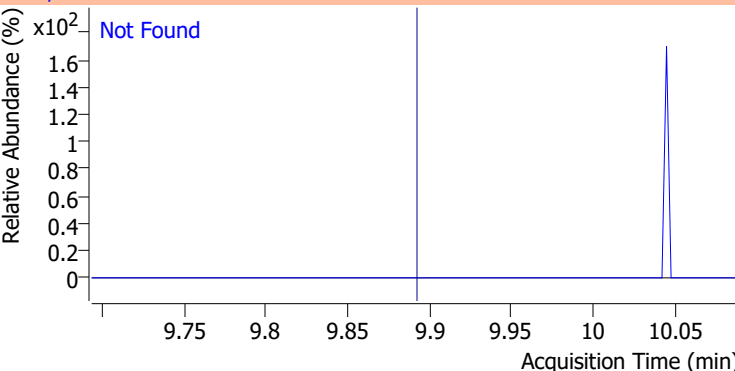
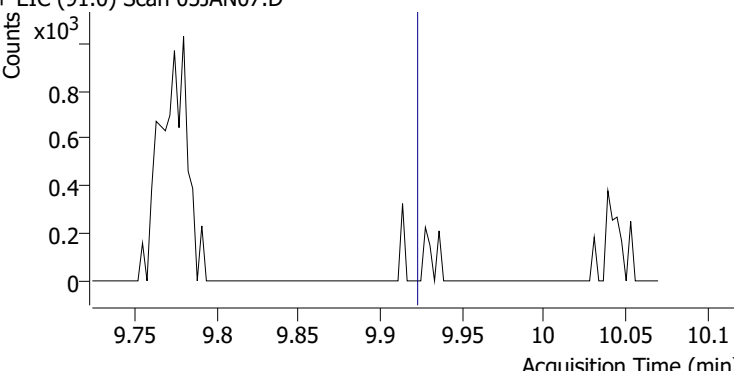
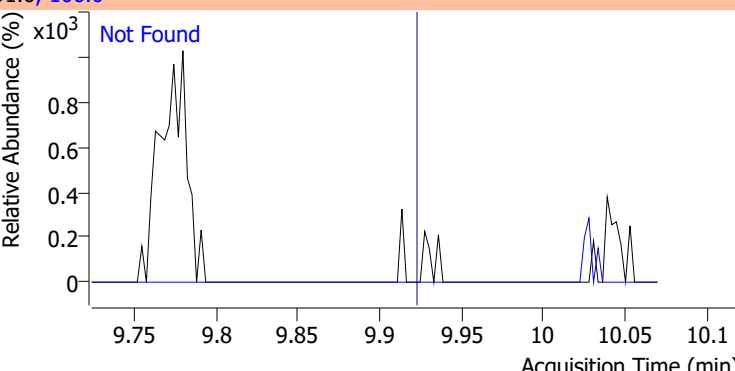
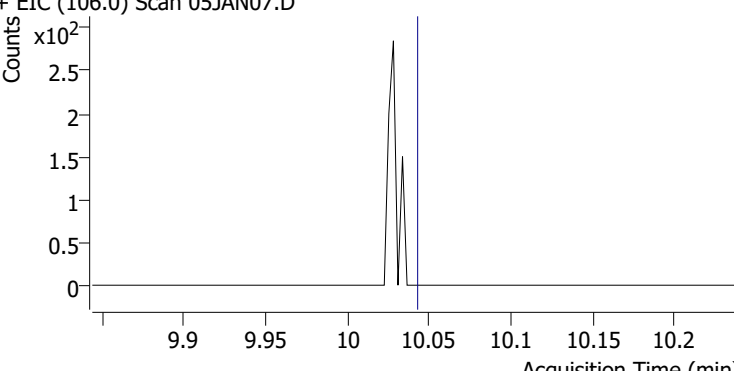
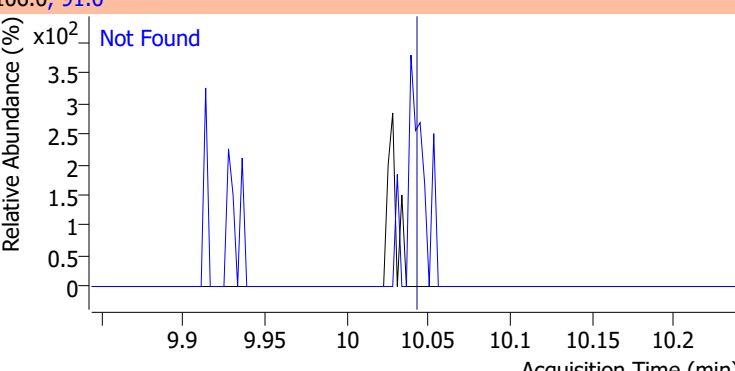


| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |



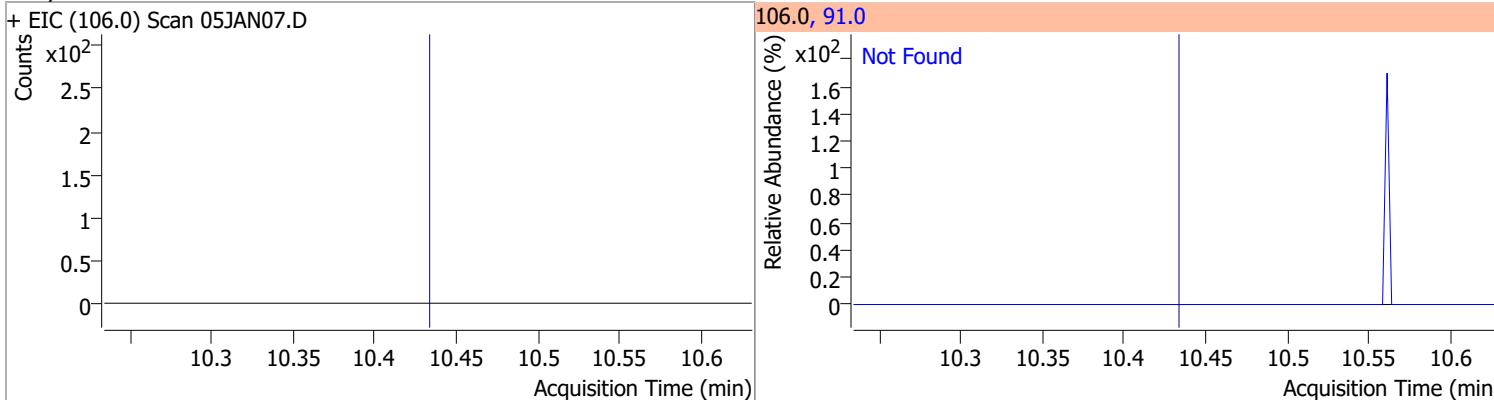


# Quantitation Results Report (QT Reviewed)

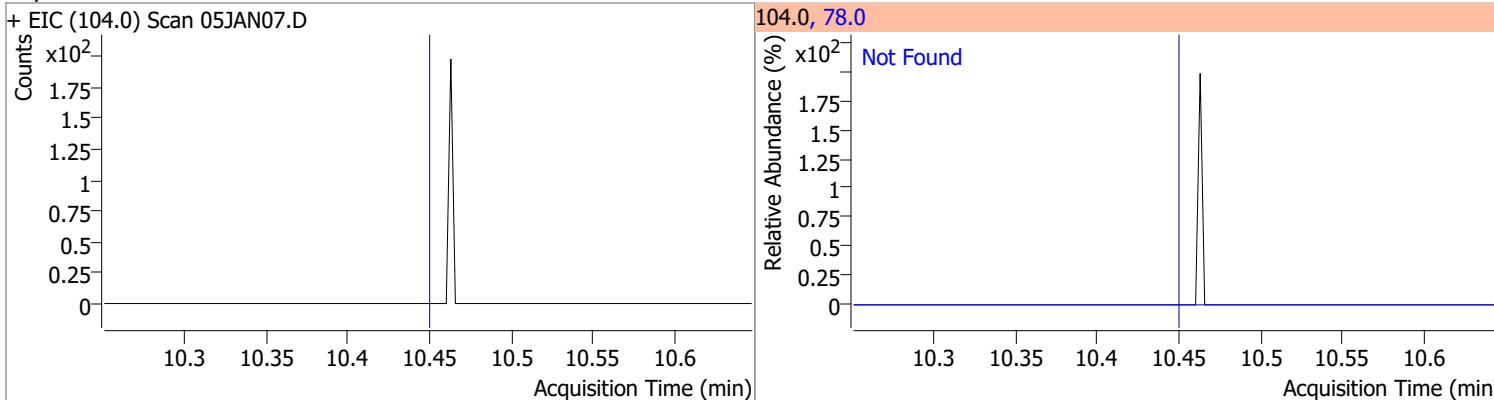
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0  | 32.1      |
| + EIC (112.0) Scan 05JAN07.D   |       |        | 112.0, 114.0   |           |
|    |       |        |    |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0  | 98.6      |
| + EIC (131.0) Scan 05JAN07.D   |       |        | 131.0, 133.0   |           |
|   |       |        |   |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0  | 31.1      |
| + EIC (91.0) Scan 05JAN07.D  |       |        | 91.0, 106.0  |           |
|  |       |        |  |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0   | 201.4     |
| + EIC (106.0) Scan 05JAN07.D   |       |        | 106.0, 91.0  |           |
|  |       |        |  |           |

# Quantitation Results Report (QT Reviewed)

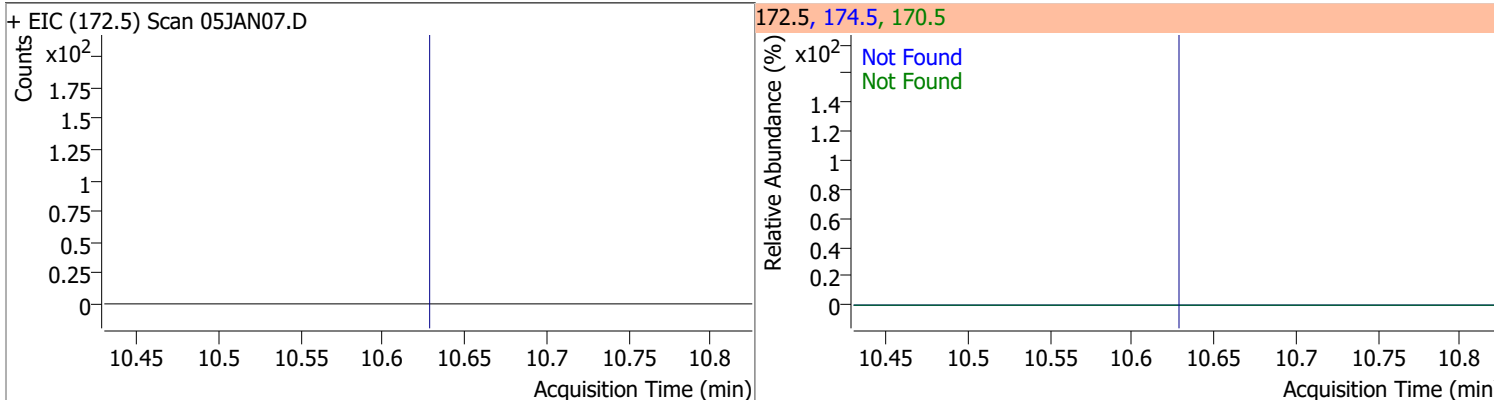
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| o-Xylene | N.D.  | 10.43  | 91.0 | 213.1     |



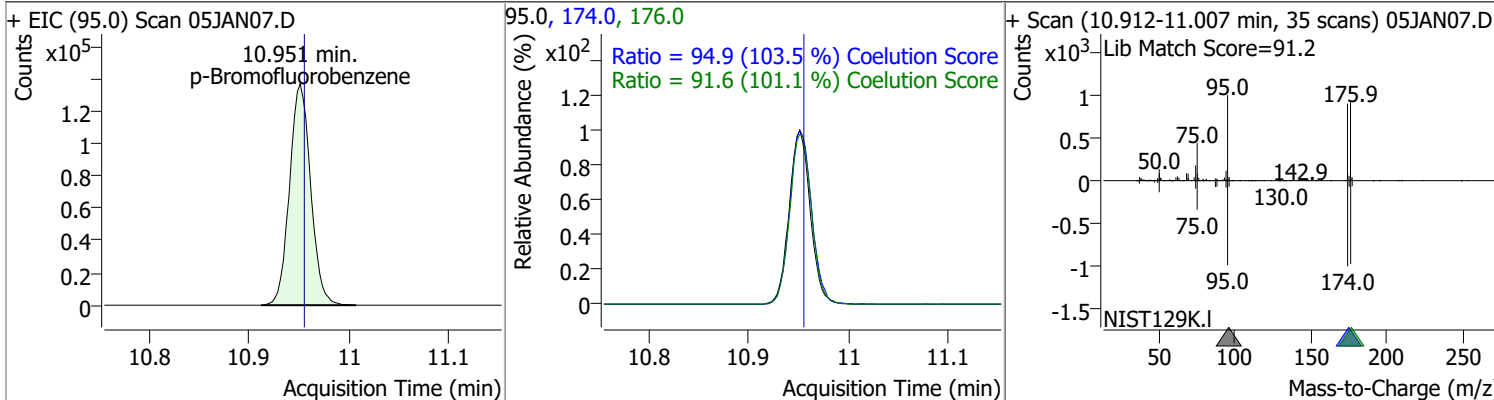
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Styrene  | N.D.  | 10.45  | 78.0 | 49.6      |



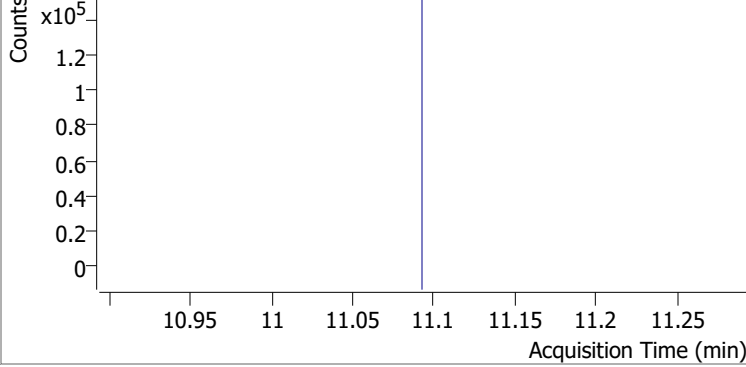
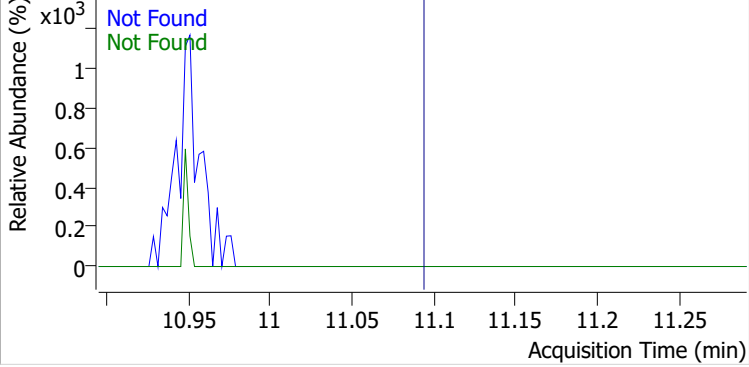
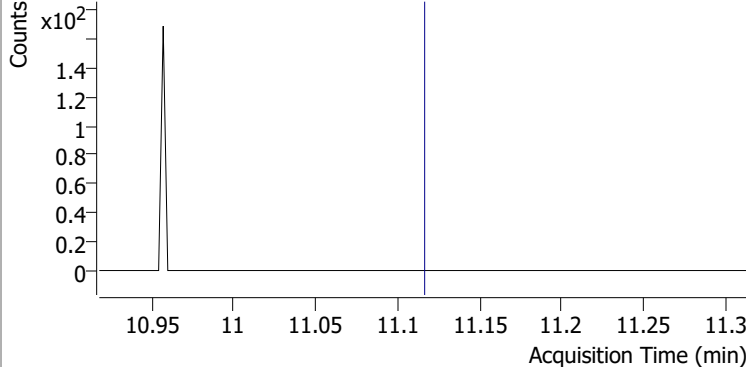
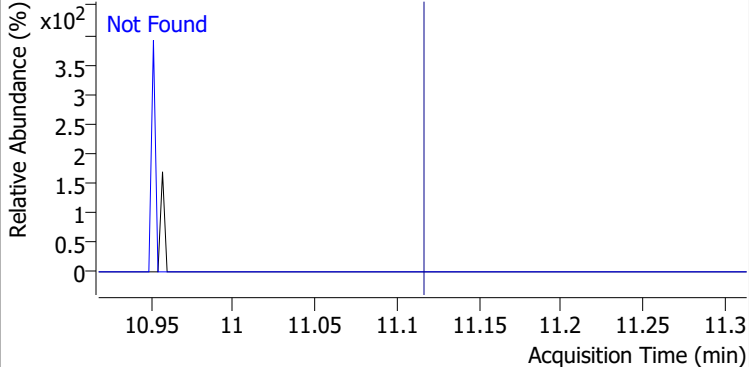
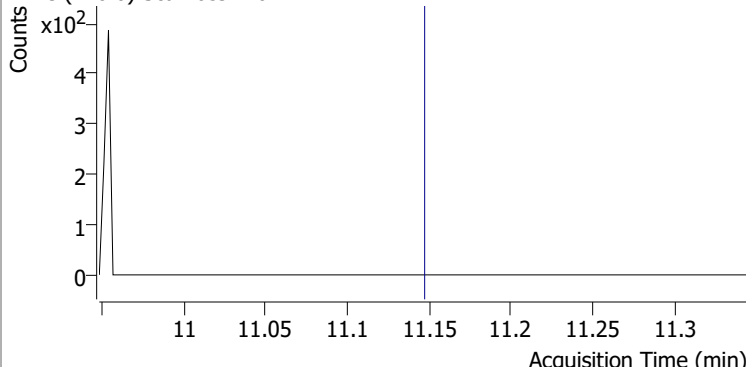
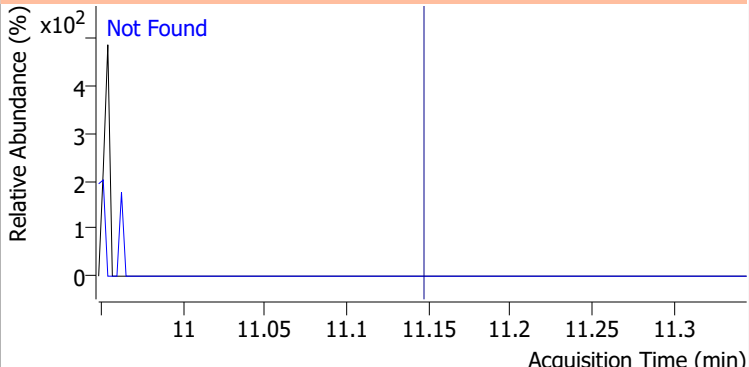
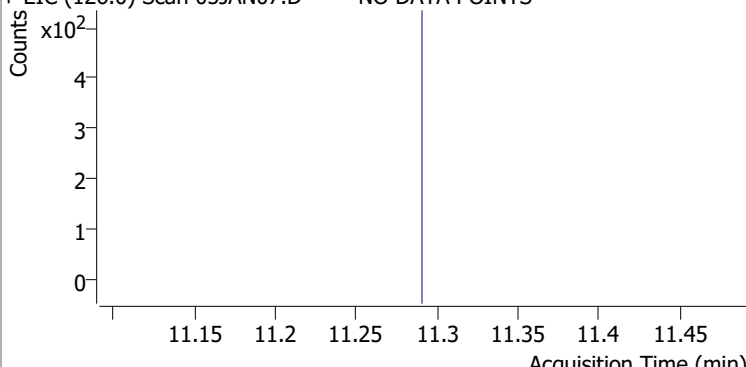
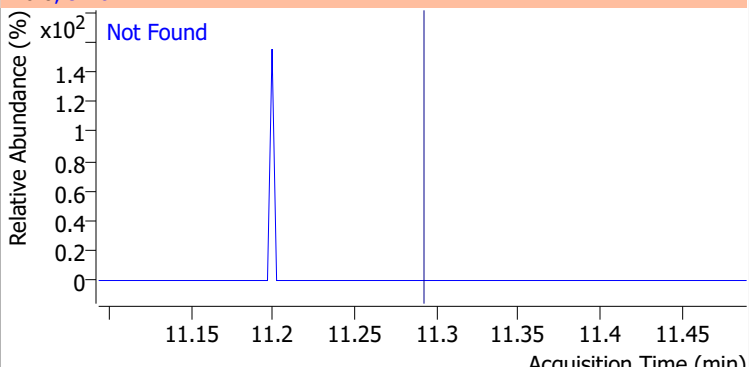
| Compound  | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-----------|-------|--------|-------|-----------|-------|-----------|
| Bromoform | N.D.  | 10.63  | 170.5 | 52.1      | 174.5 | 50.1      |



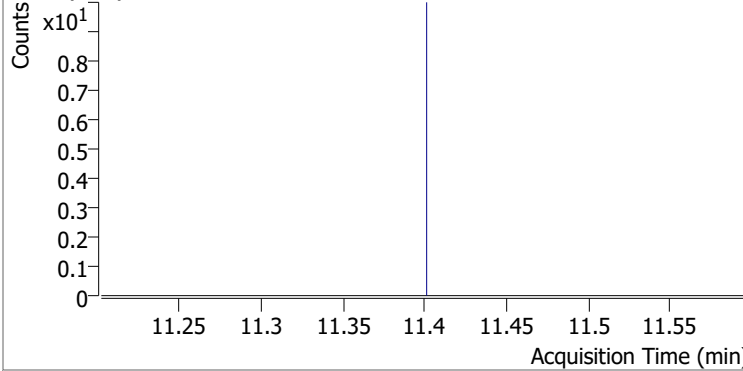
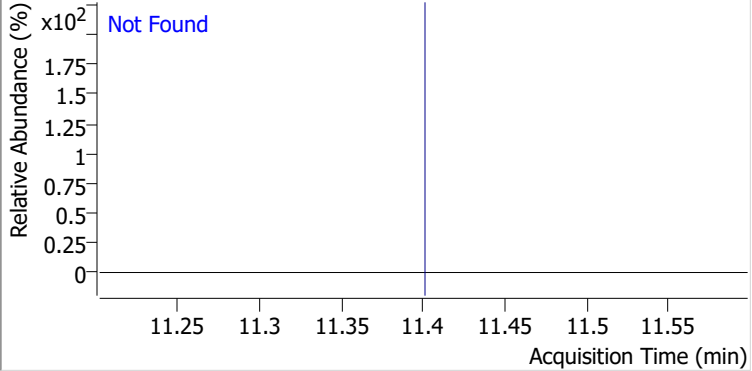
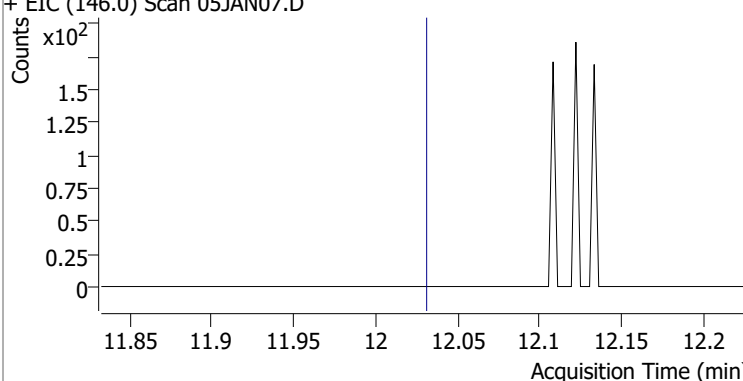
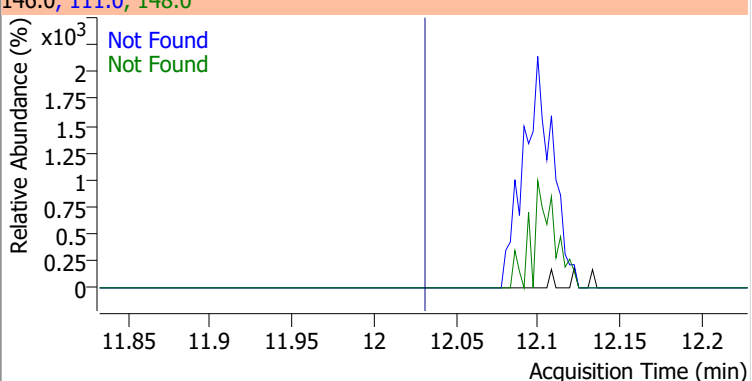
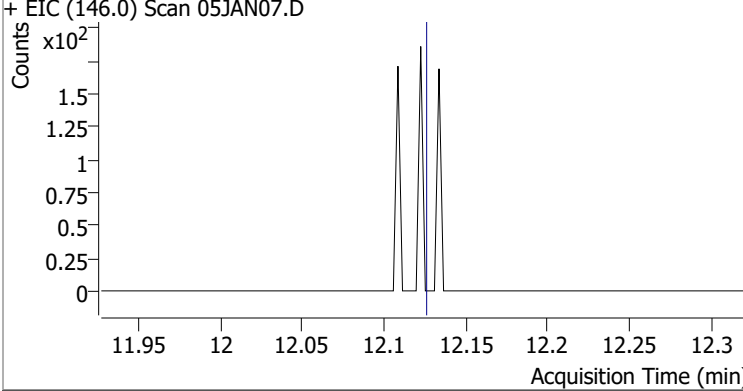
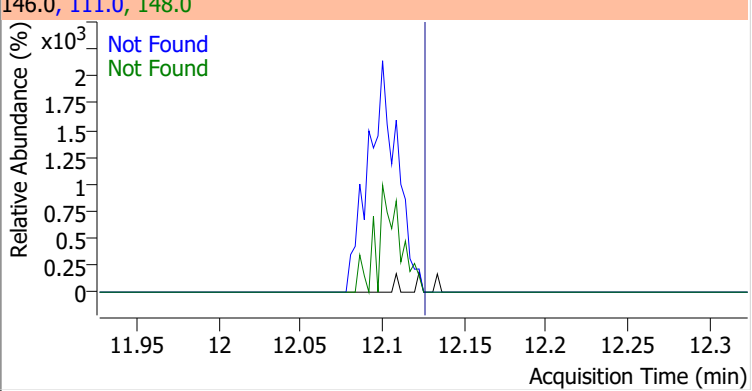
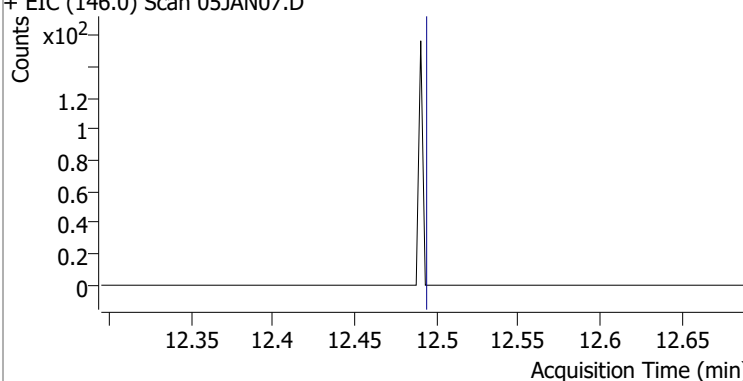
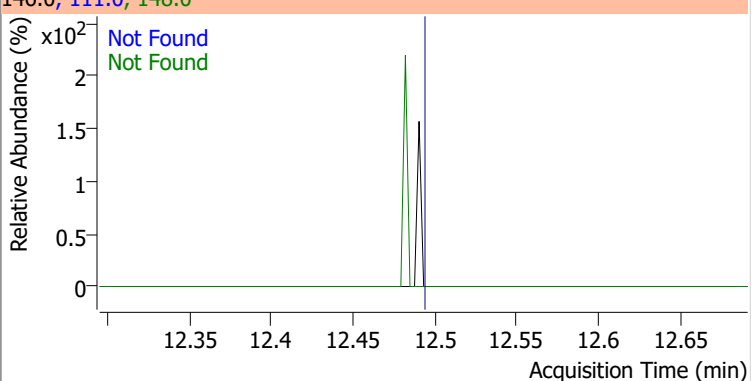
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 282.2742 | 10.95 | 0.00     | 199881 | 174.0 | 94.9   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 91.6   | 60.6  | 120.6 |



# Quantitation Results Report (QT Reviewed)

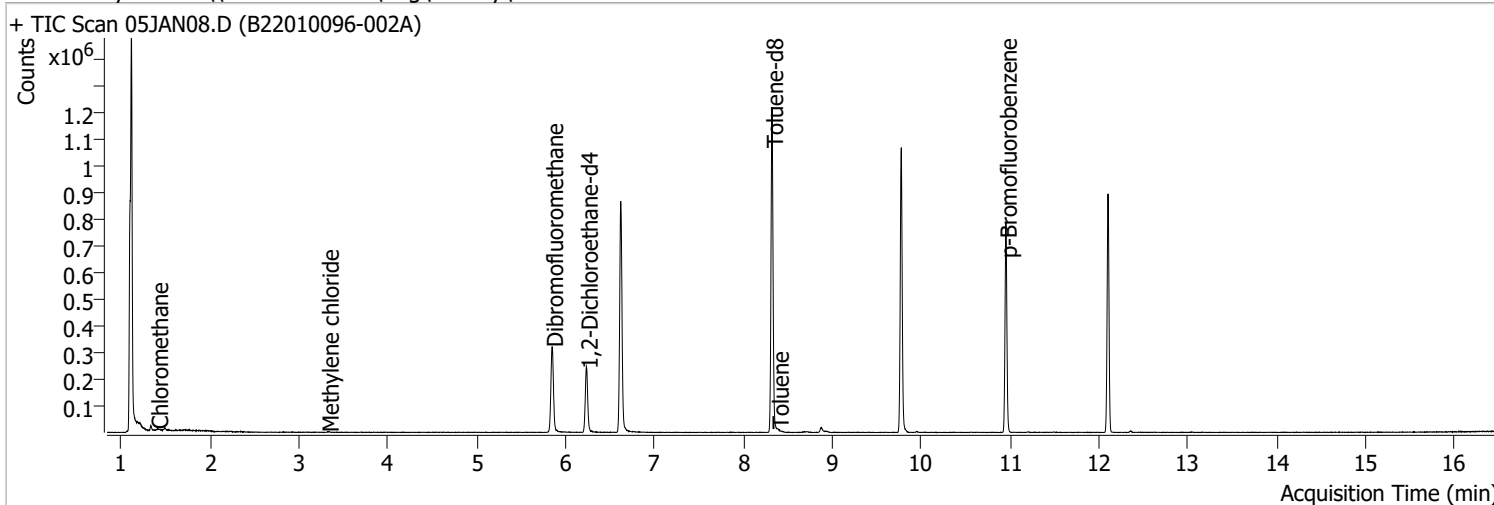
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN07.D ***NO DATA POINTS***                                  |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN07.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN07.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN07.D ***NO DATA POINTS***                                  |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN07.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN07.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN07.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN07.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN08.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 1:16:30 PM   |
| Sample Name    | B22010096-002A                      | Instrument        | VOA5975C              |
| Vial           | 8                                   | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



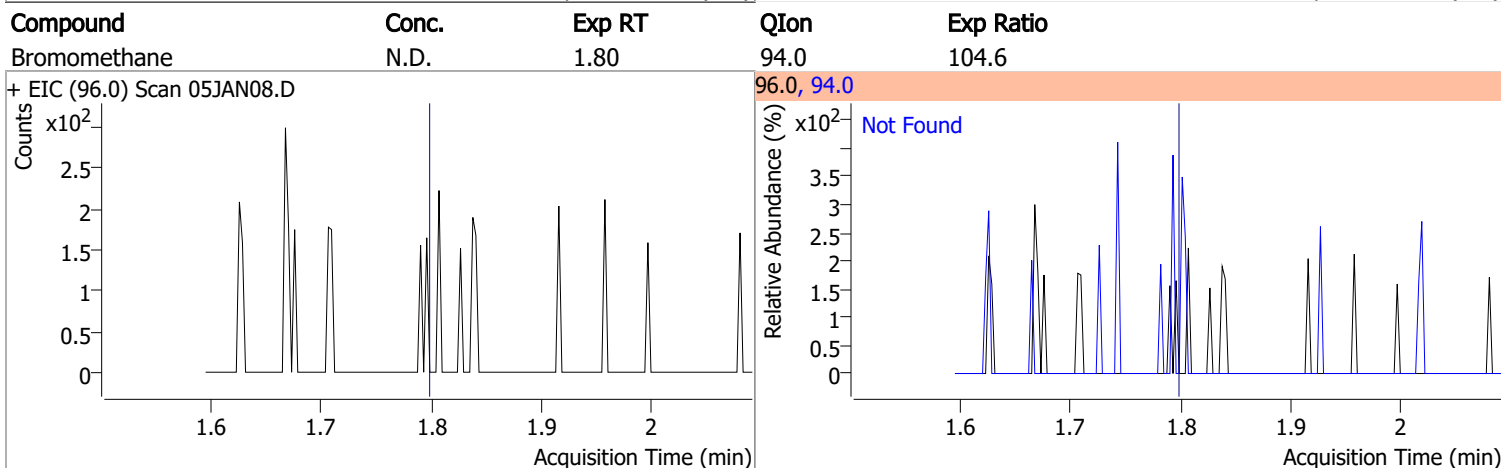
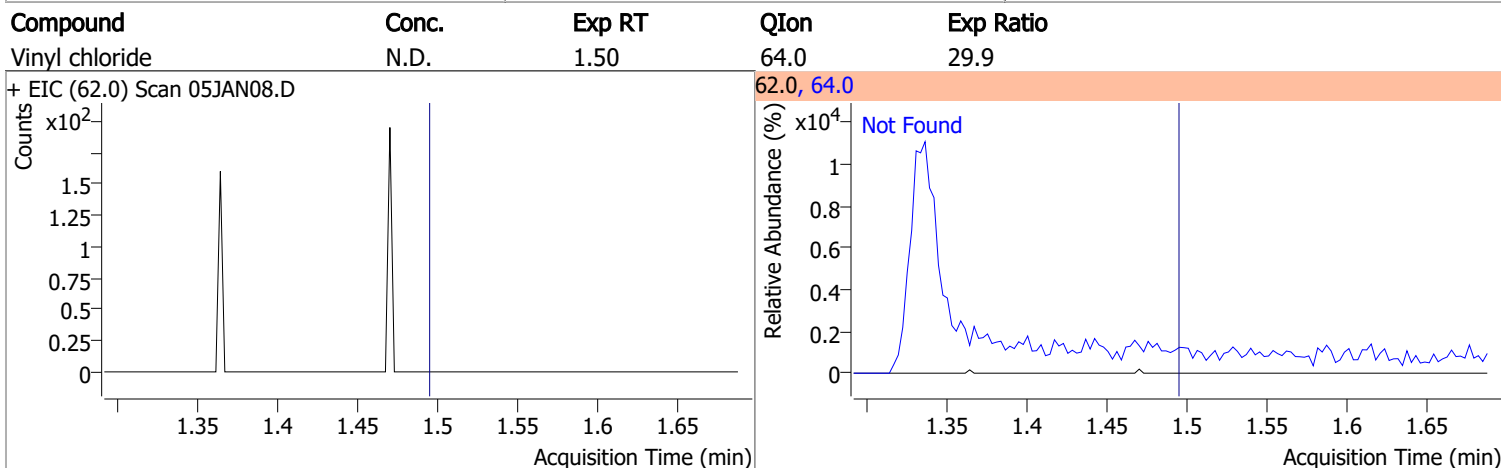
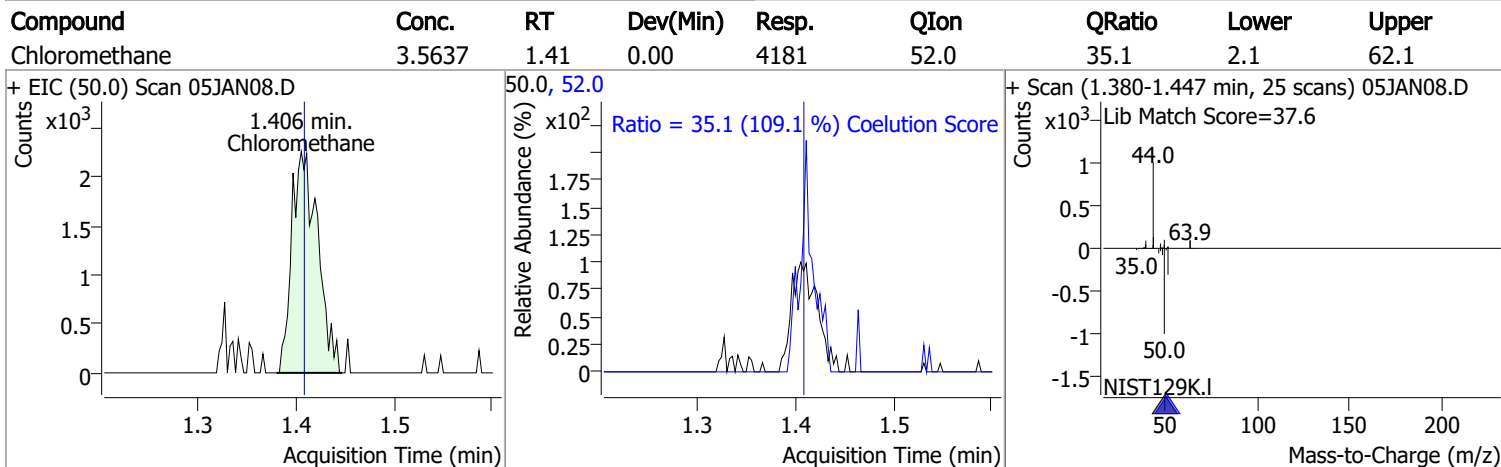
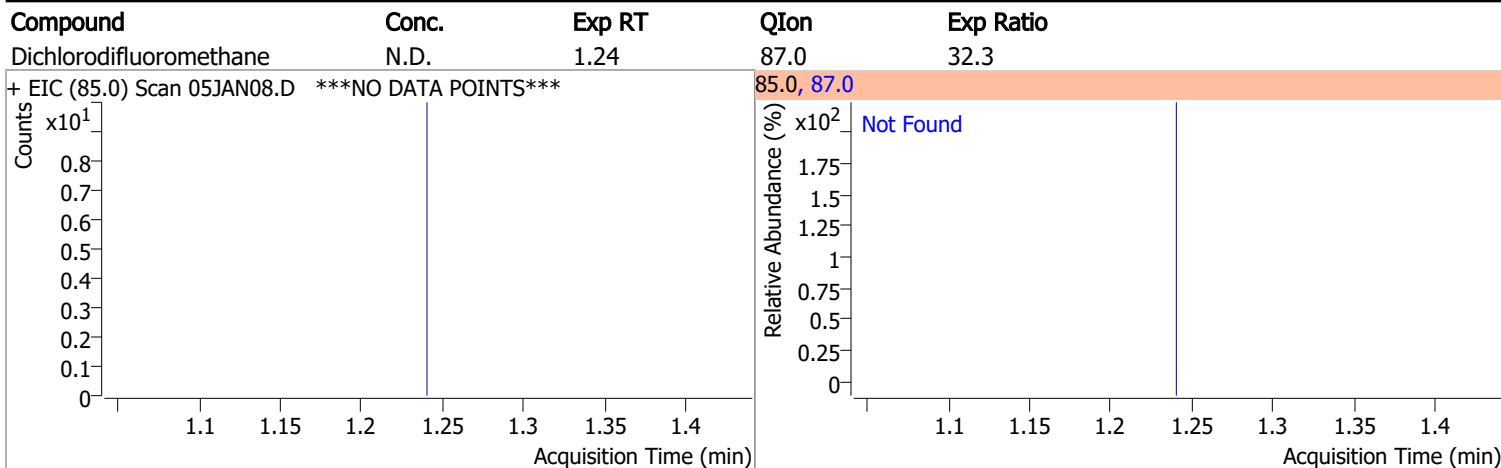
| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.618                | 96.0  | 737623 | 250.0000           | ng    | -0.006   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 286149 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 220564 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 194476 | 279.8555           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 111.94% |       |          |
| S 1,2-Dichloroethane-d4            | 6.235                | 67.0  | 87038  | 289.9783           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 115.99% |       |          |
| S Toluene-d8                       | 8.321                | 98.0  | 729963 | 264.7213           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 105.89% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 217958 | 269.7370           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 107.89% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.406                | 50.0  | 4181   | 3.5637             | ng    | 95       |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.324                | 49.0  | 1786   | 1.6309             | ng    | m 89     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 0.000                |       | 0      | N.D.               |       |          |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT    | QIon | Resp. | Conc.  | Units |   | Dev(Min) |
|-----------------------------|-------|------|-------|--------|-------|---|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |   |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Benzene                   | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.   |       |   |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.   |       |   |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.   |       |   |          |
| T Toluene                   | 8.386 | 92.0 | 1683  | 0.9037 | ng    | m | 82       |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |   |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.   |       |   |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |   |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.   |       |   |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.   |       |   |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.   |       |   |          |
| T Styrene                   | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.   |       |   |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |

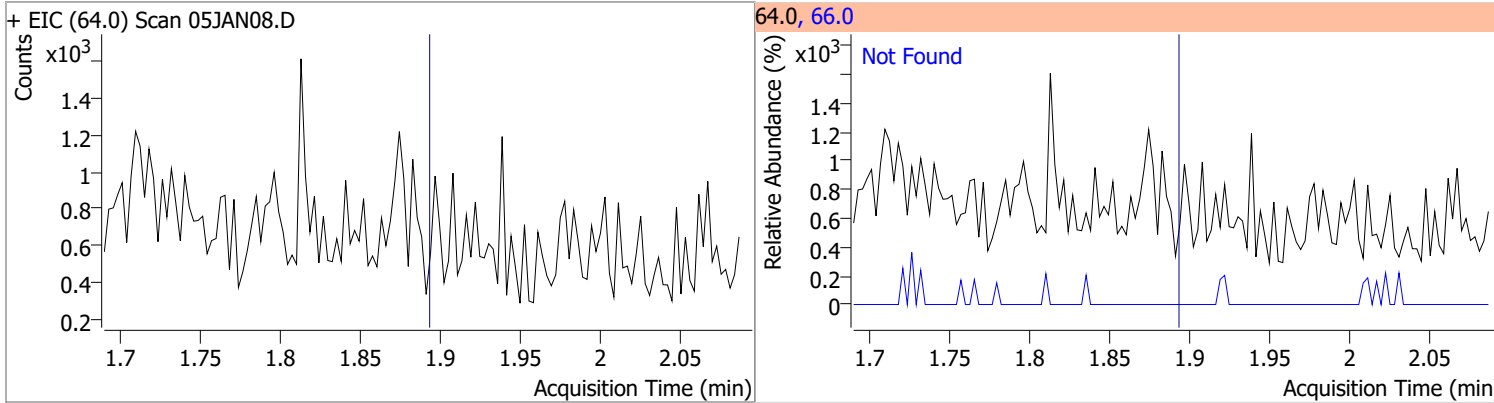
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

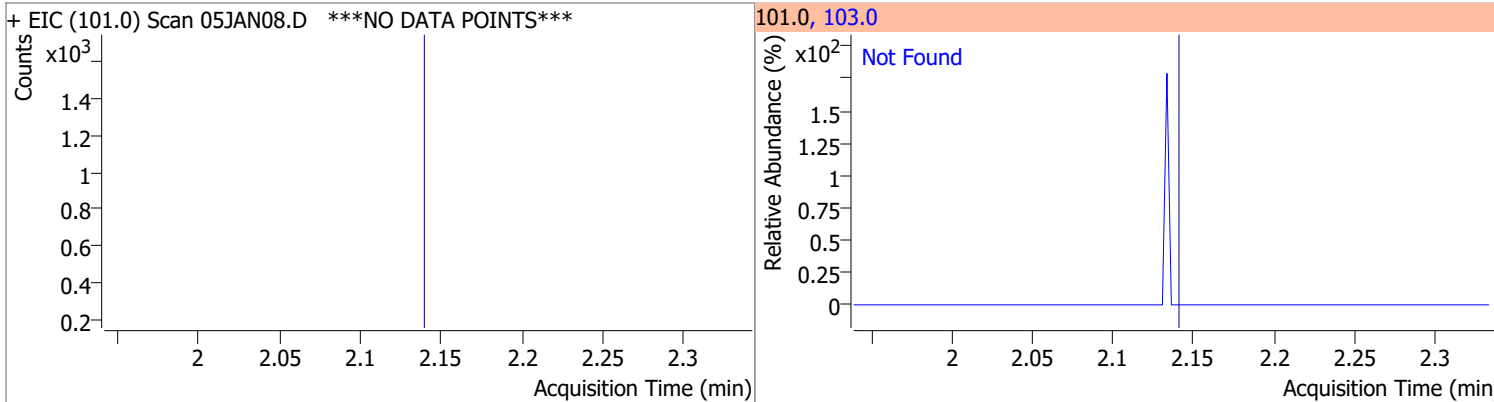


# Quantitation Results Report (QT Reviewed)

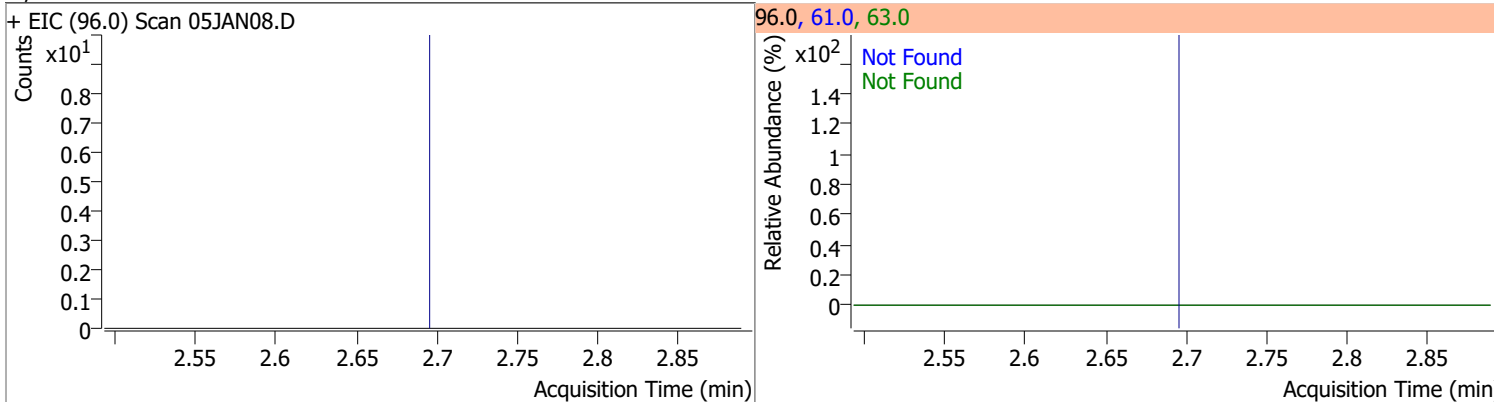
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



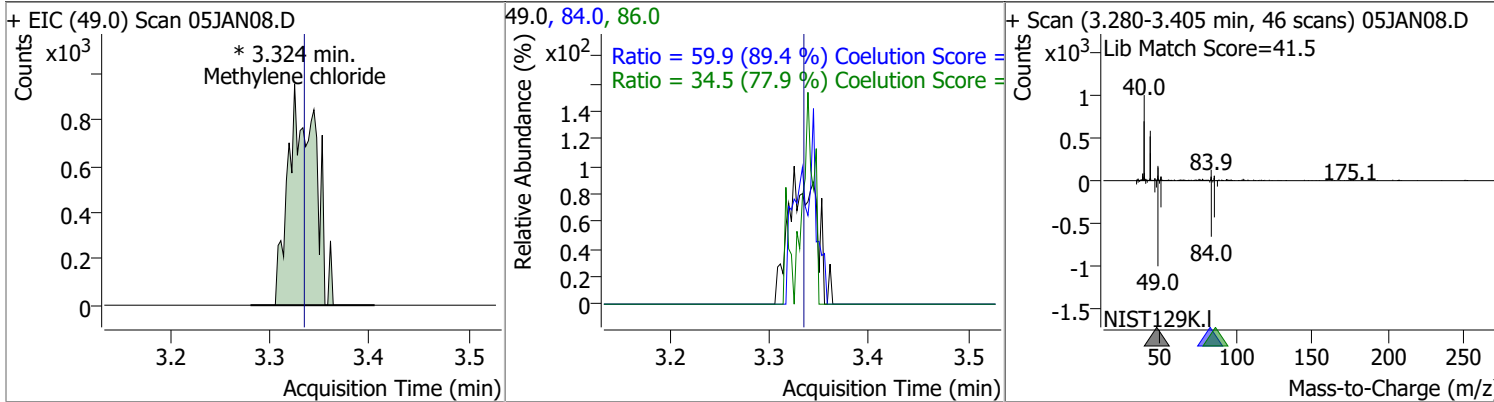
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

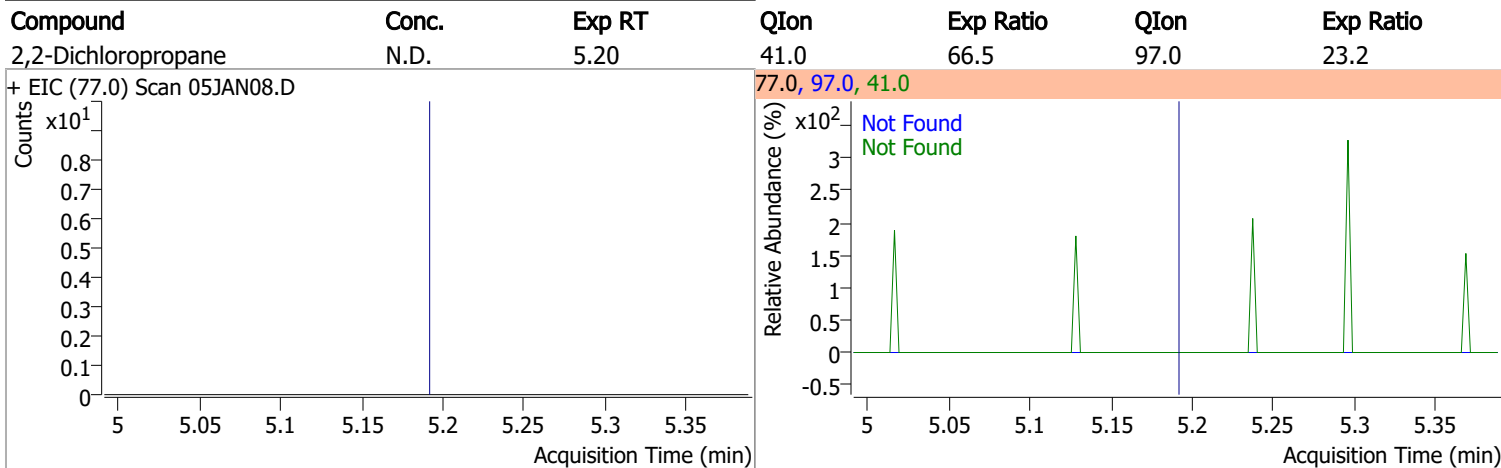
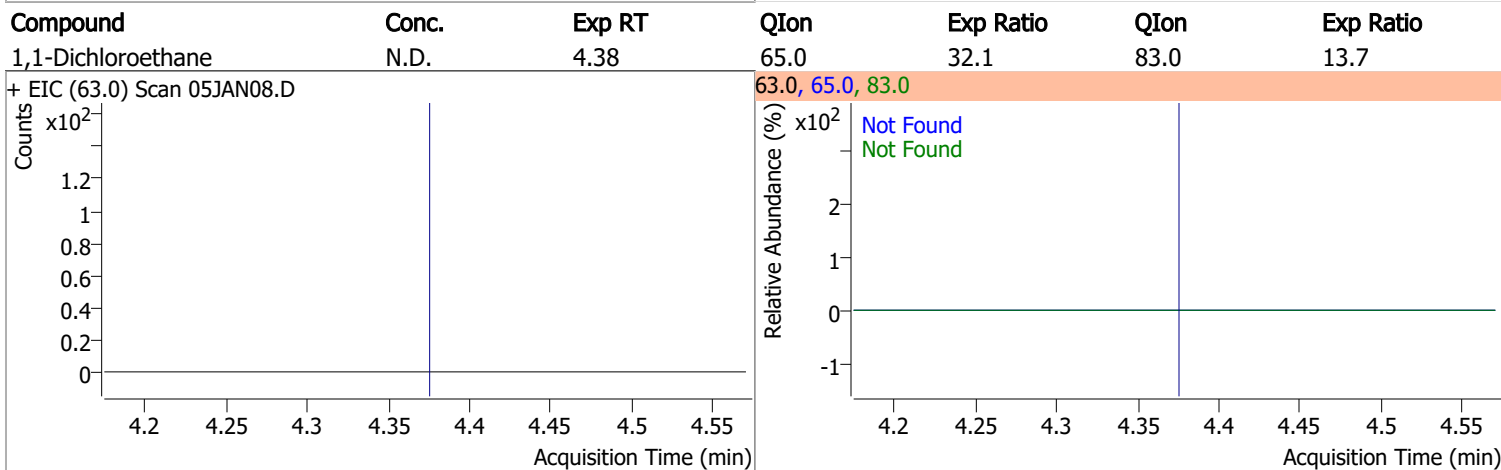
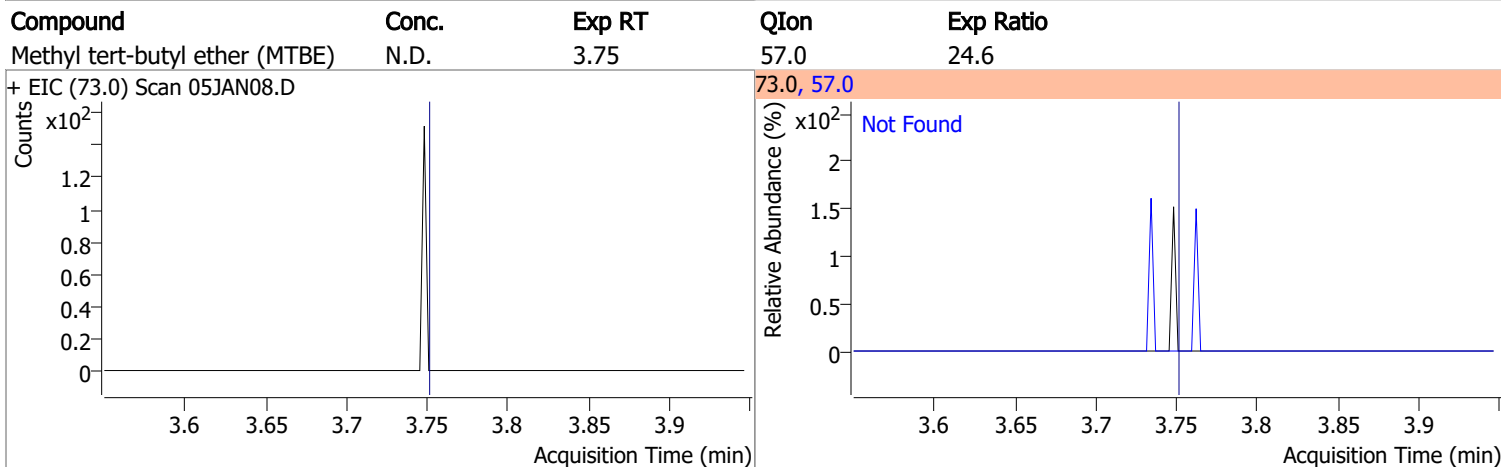
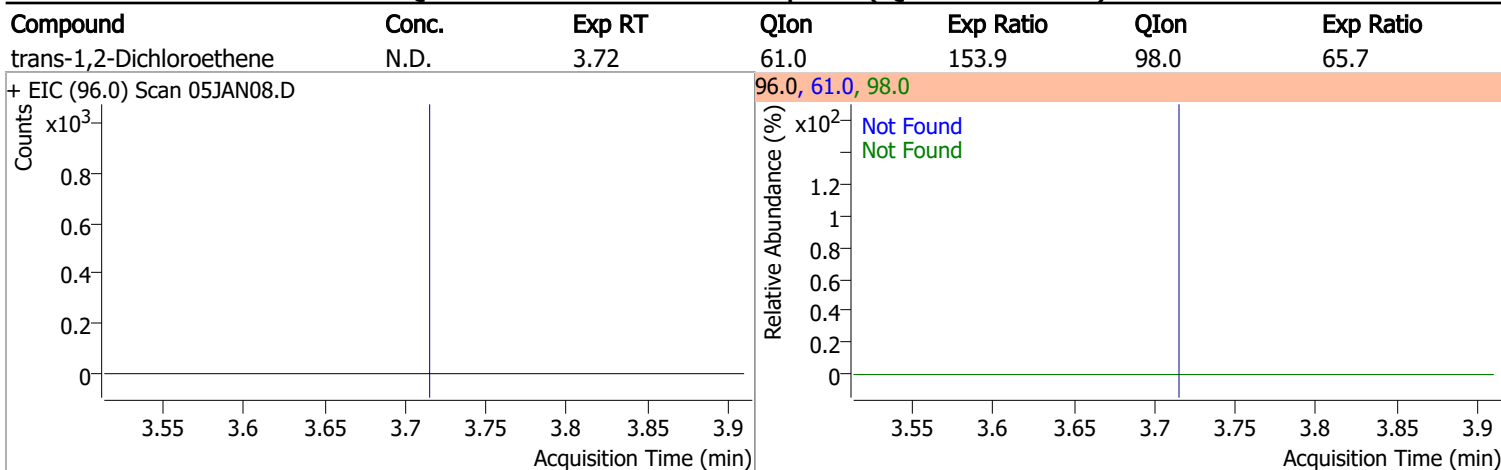


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.6309 | 3.32 | -0.01    | 1786 (m) | 84.0 | 59.9   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 34.5   | 14.3  | 74.3  |



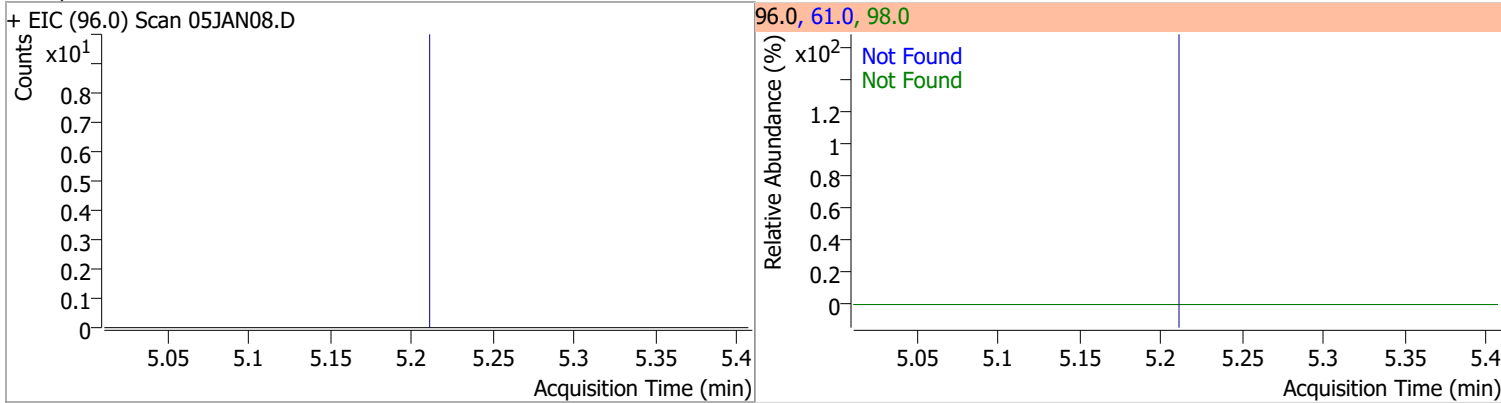


# Quantitation Results Report (QT Reviewed)

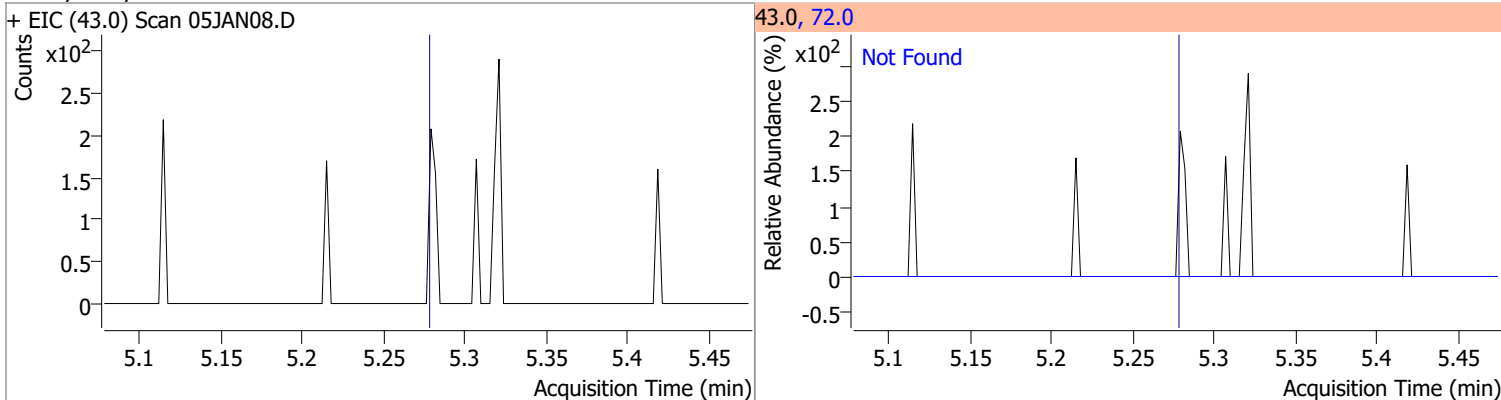


# Quantitation Results Report (QT Reviewed)

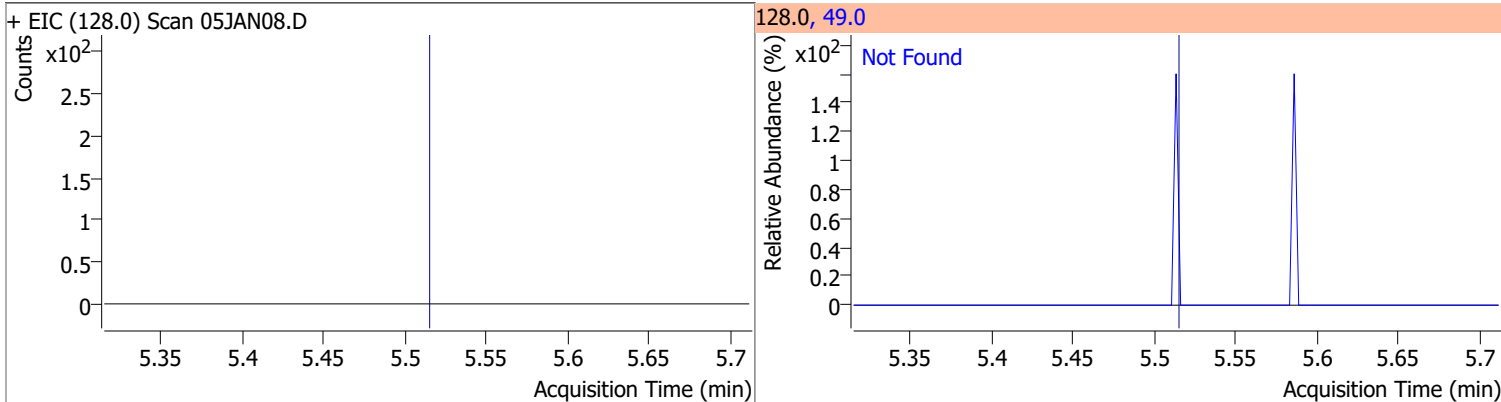
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



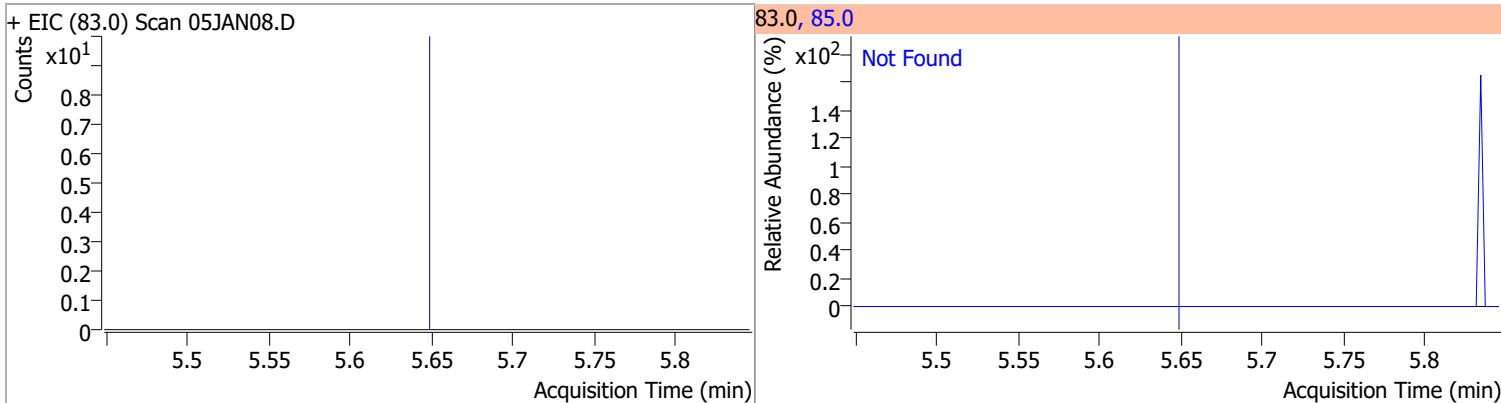
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



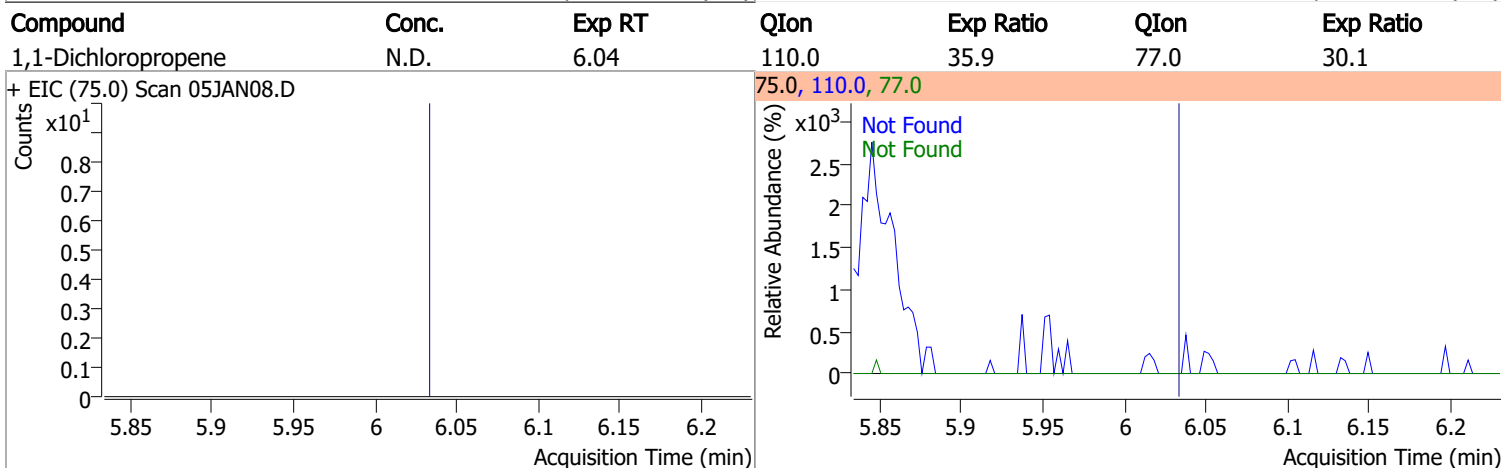
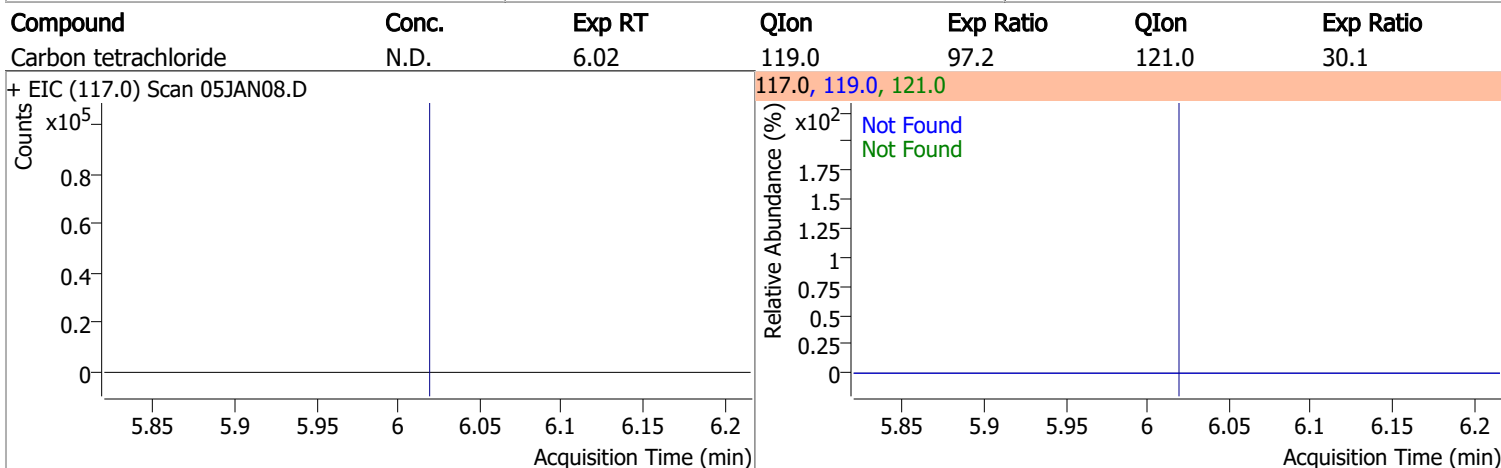
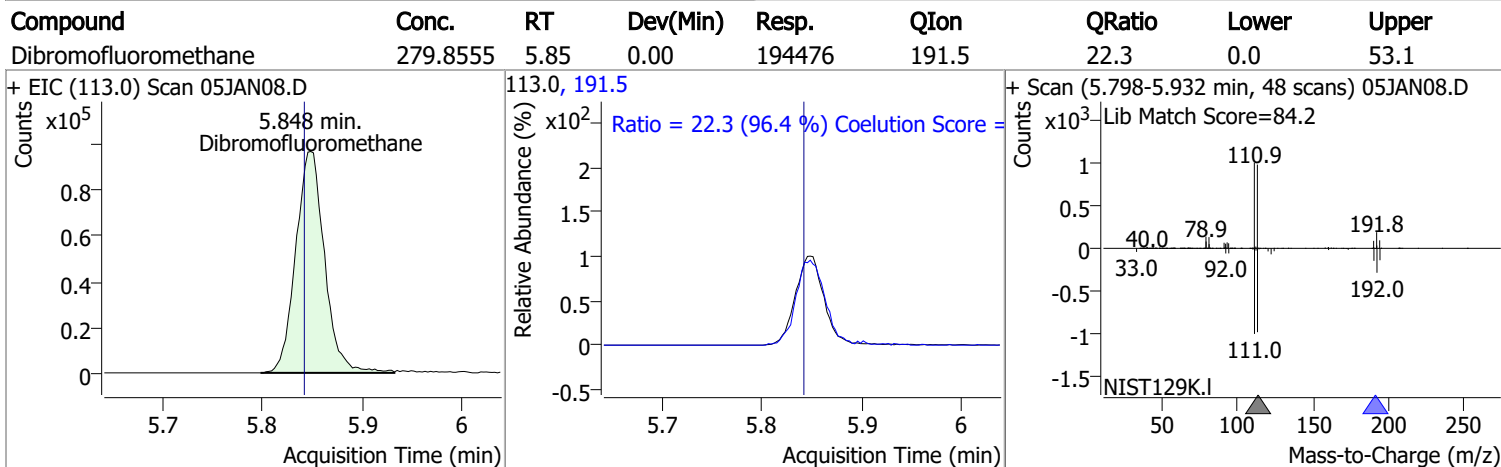
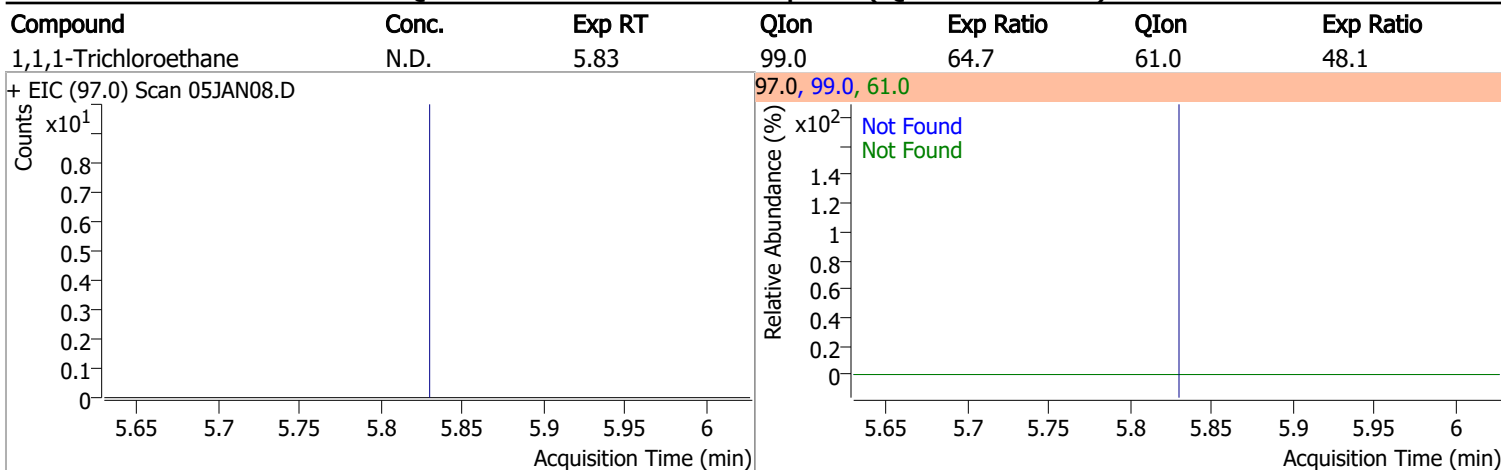
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |

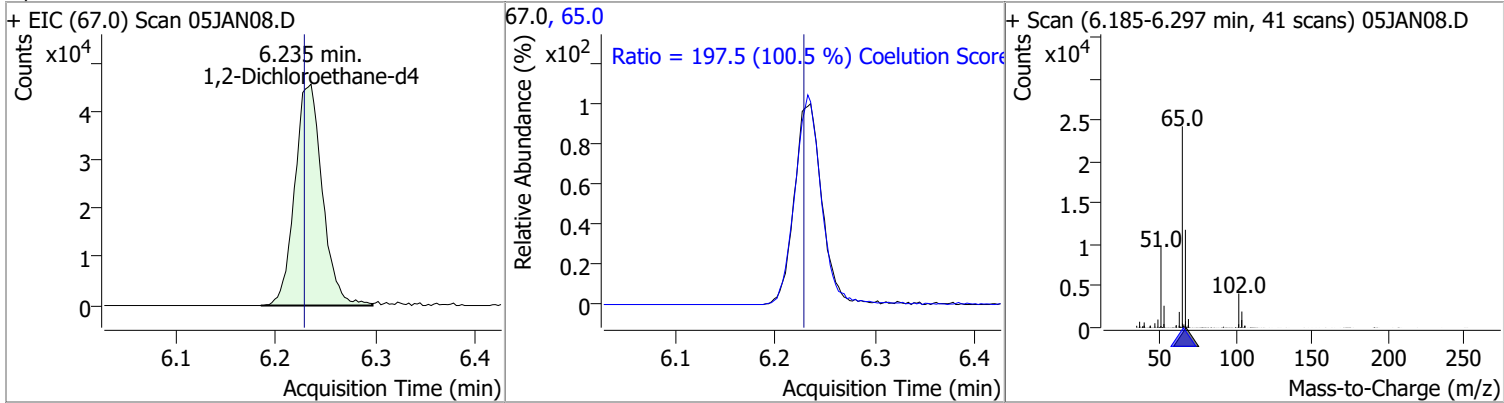


# Quantitation Results Report (QT Reviewed)

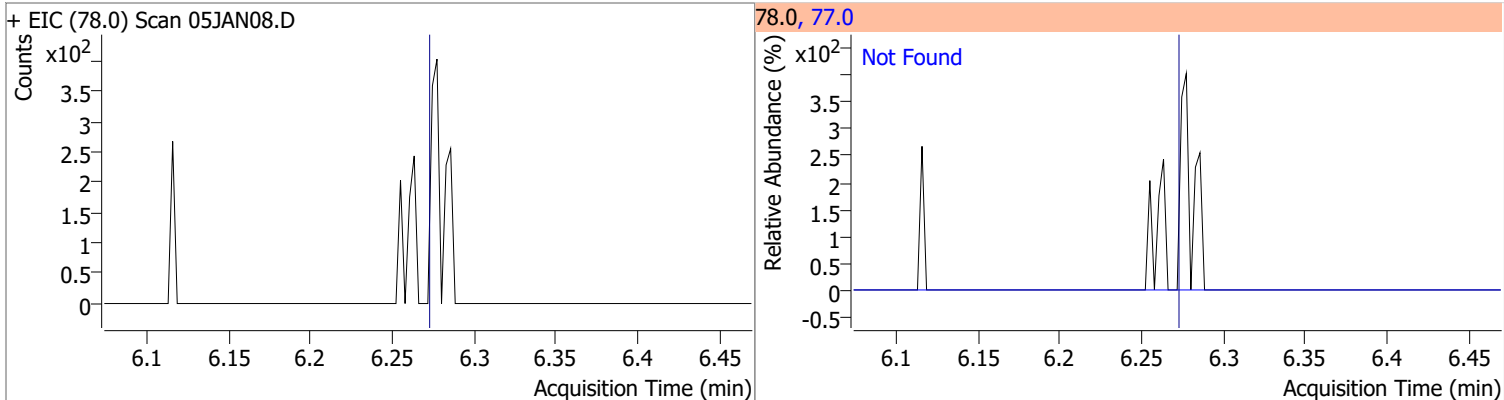


# Quantitation Results Report (QT Reviewed)

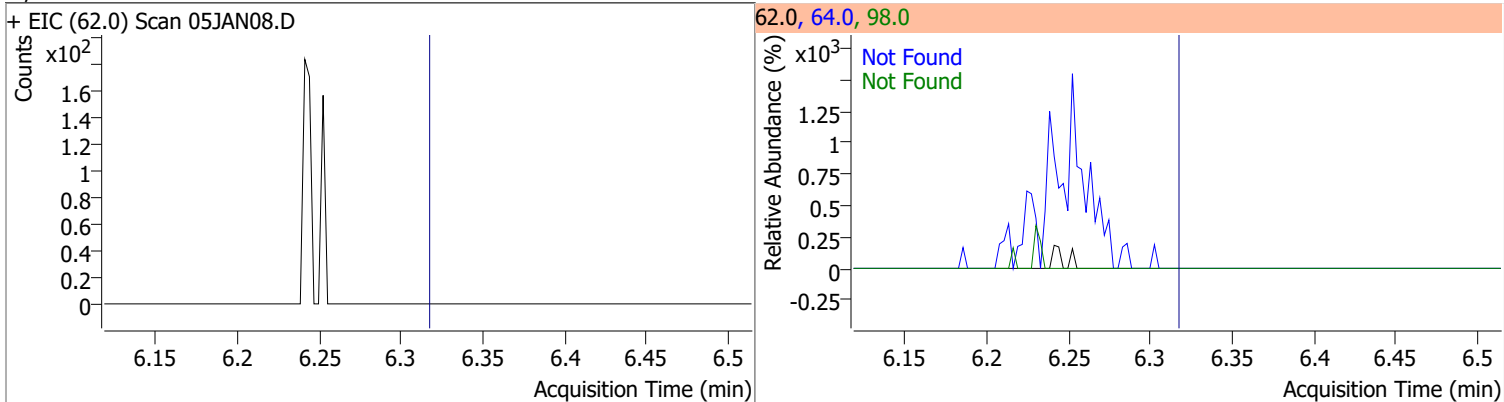
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 289.9783 | 6.24 | 0.00     | 87038 | 65.0 | 197.5  | 166.5 | 226.5 |



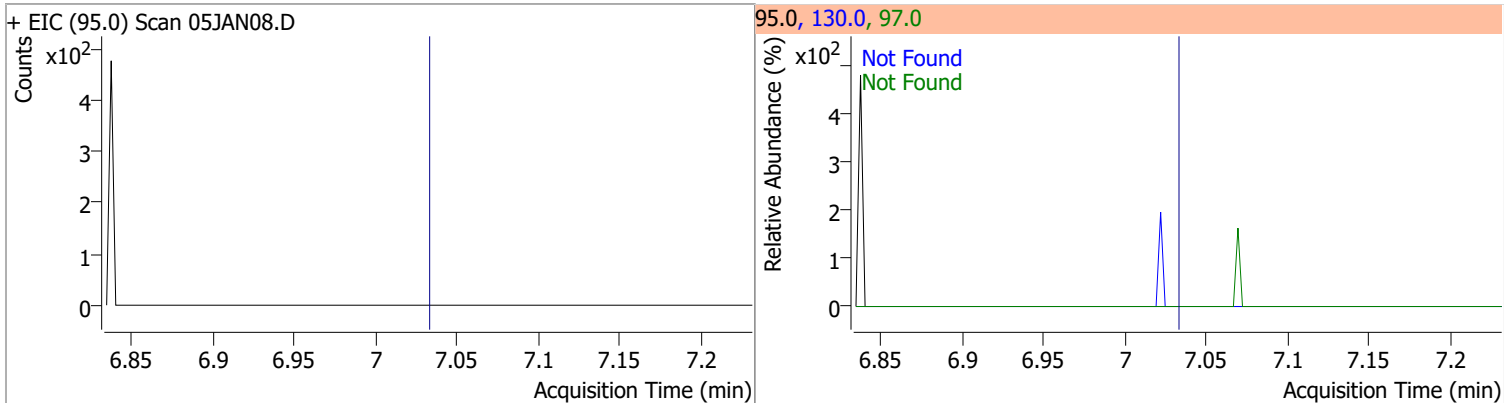
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



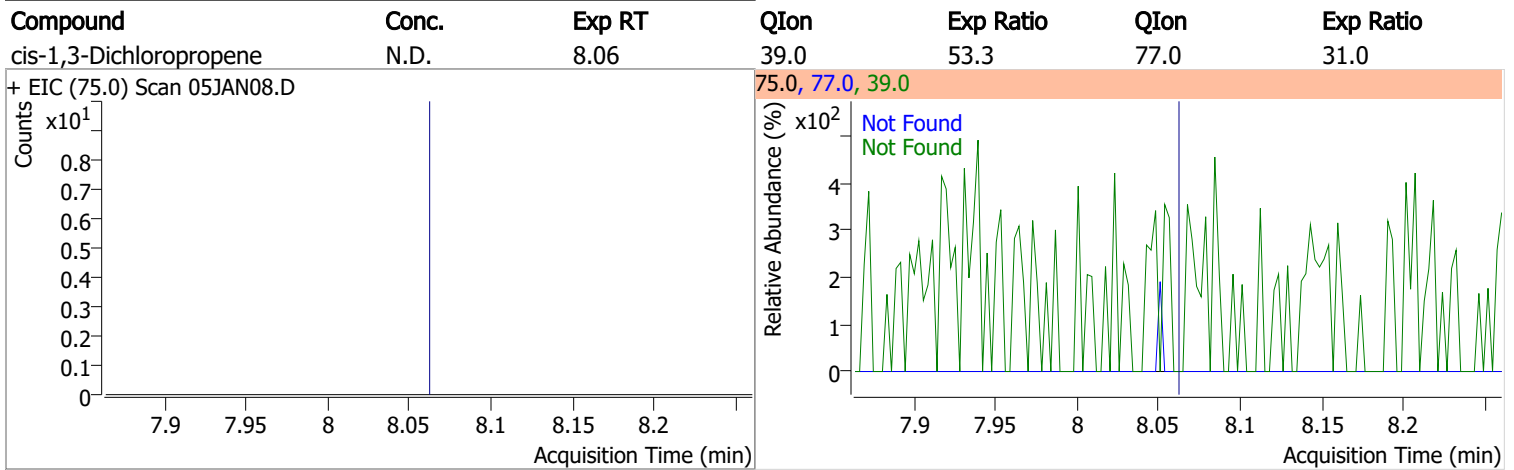
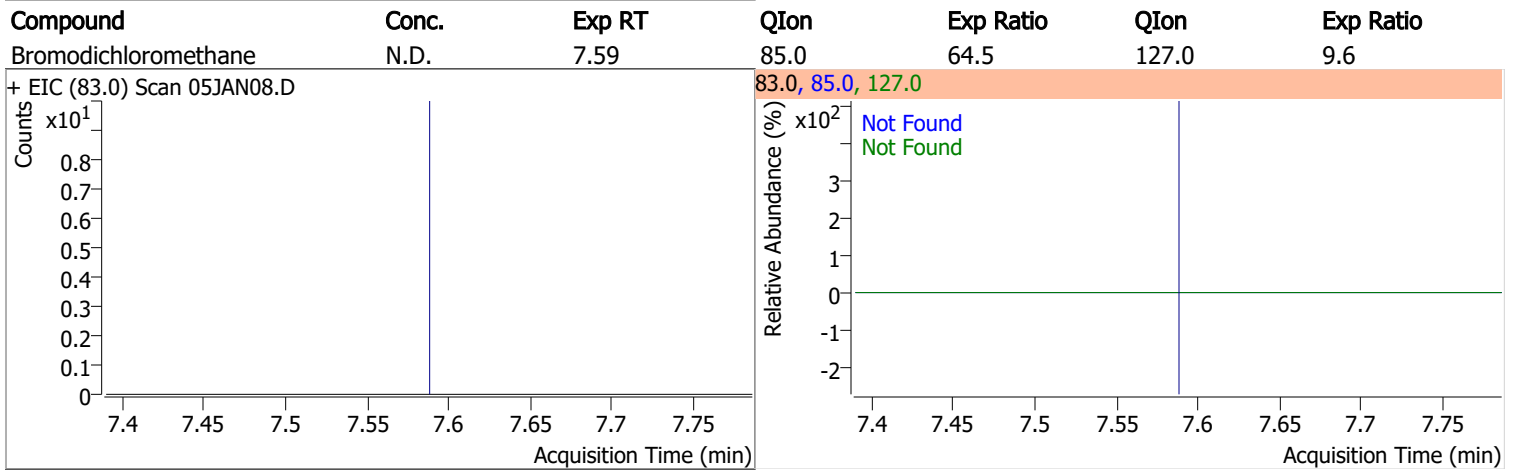
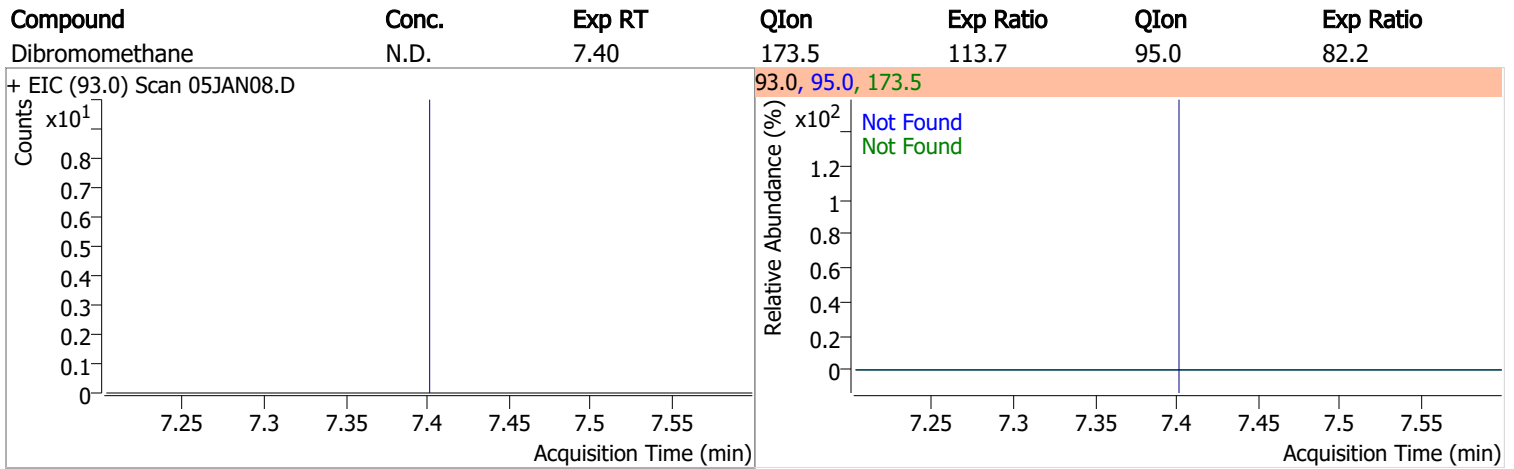
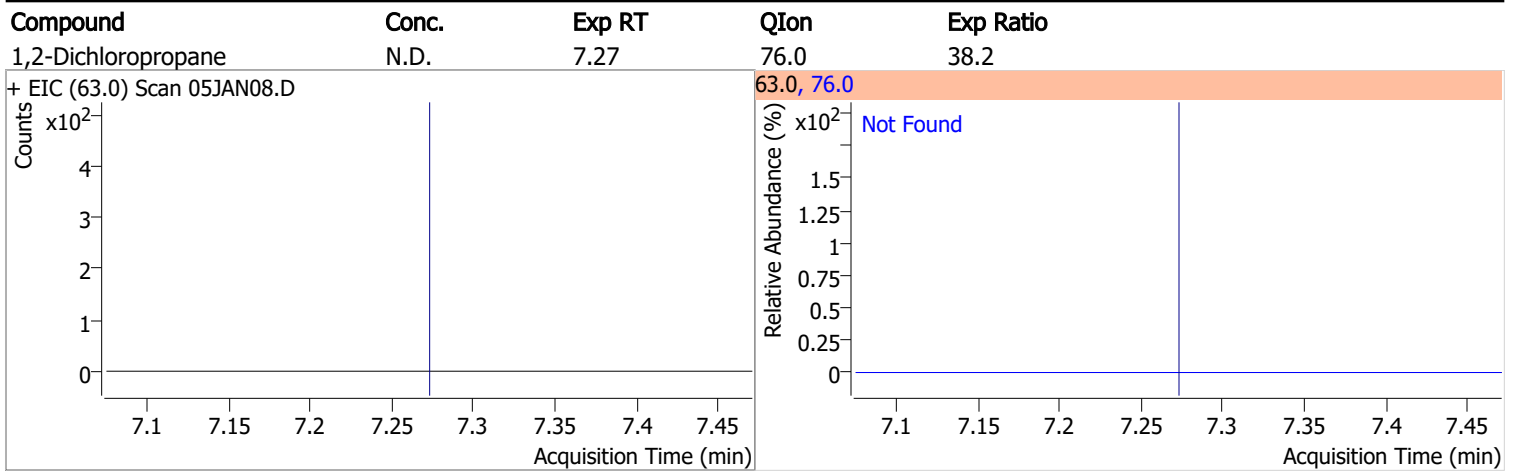
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

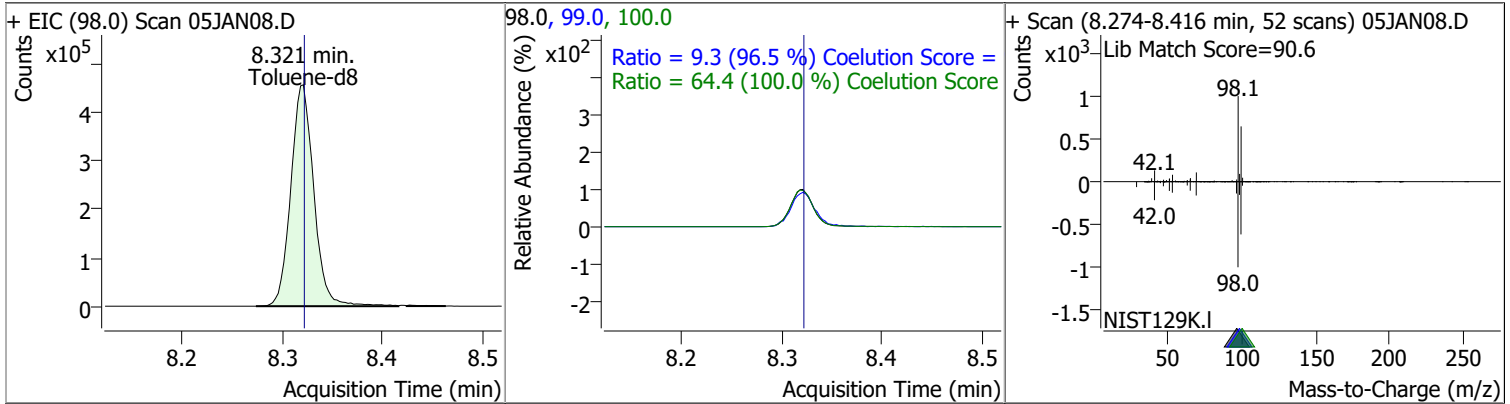


# Quantitation Results Report (QT Reviewed)

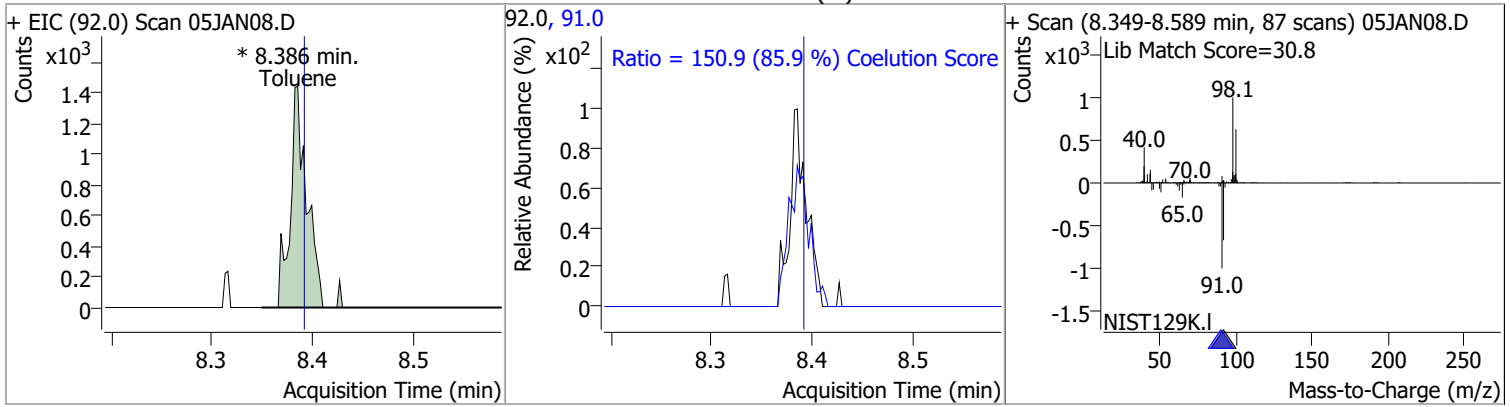


# Quantitation Results Report (QT Reviewed)

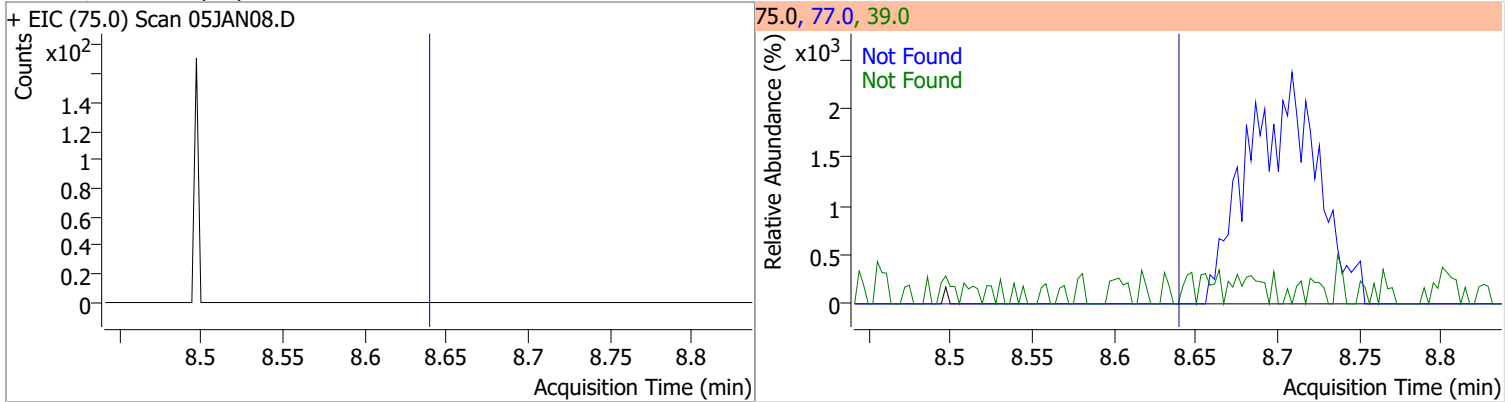
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 264.7213 | 8.32 | 0.00     | 729963 | 100.0 | 64.4   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.3    | 0.0   | 39.6  |



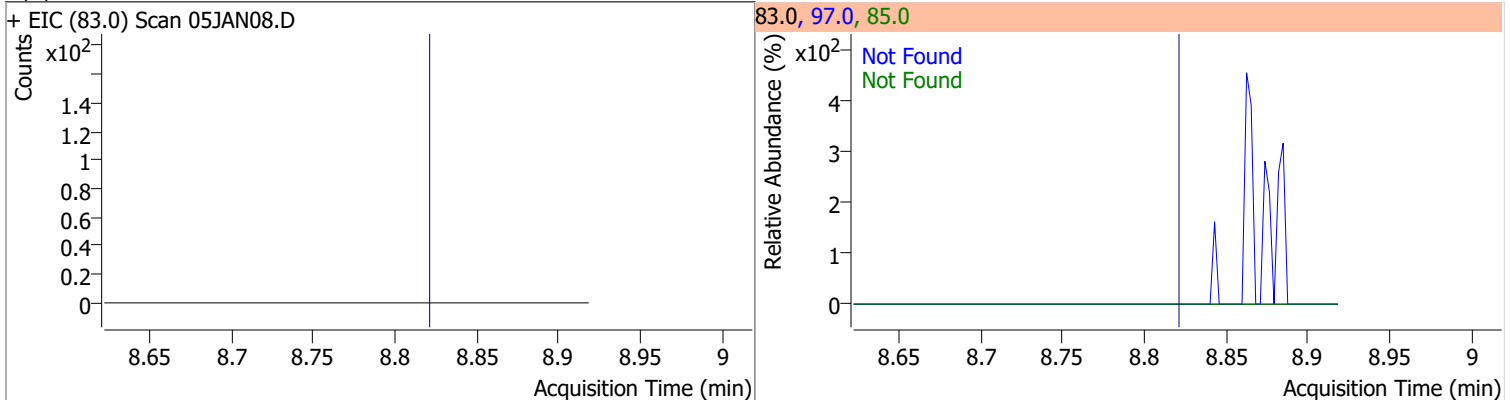
| Compound | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|----------|------|--------|-------|-------|
| Toluene  | 0.9037 | 8.39 | 0.00     | 1683 (m) | 91.0 | 150.9  | 145.8 | 205.8 |



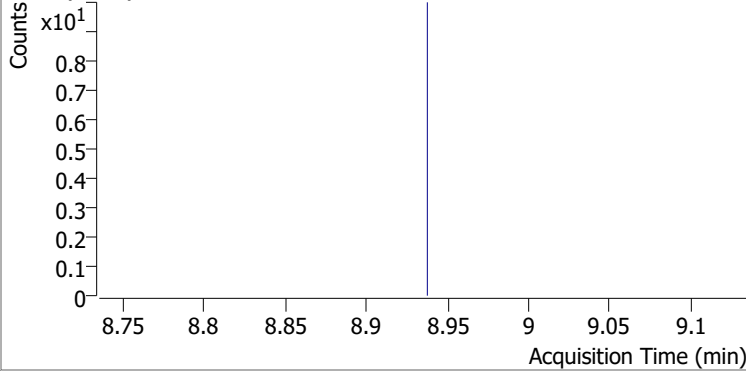
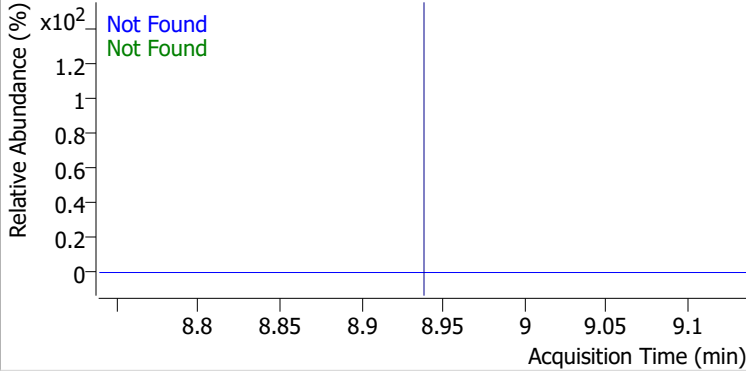
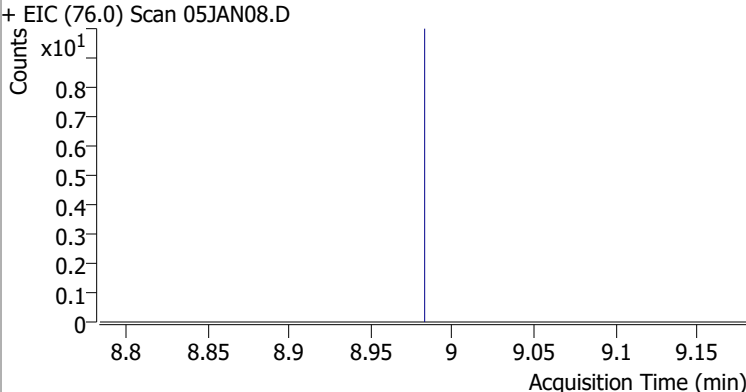
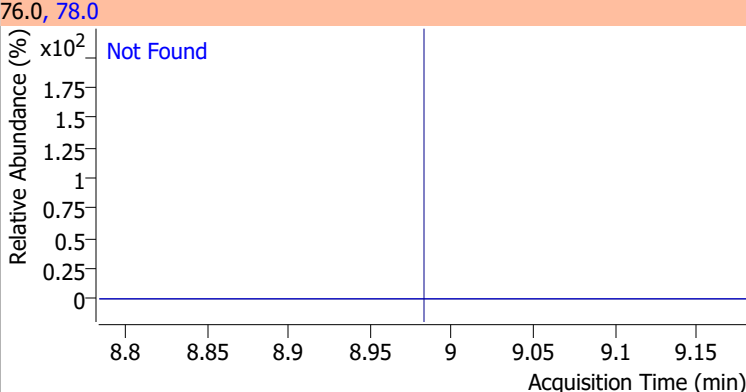
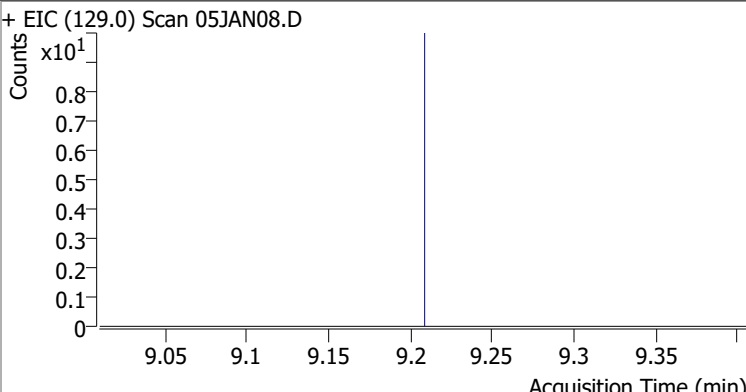
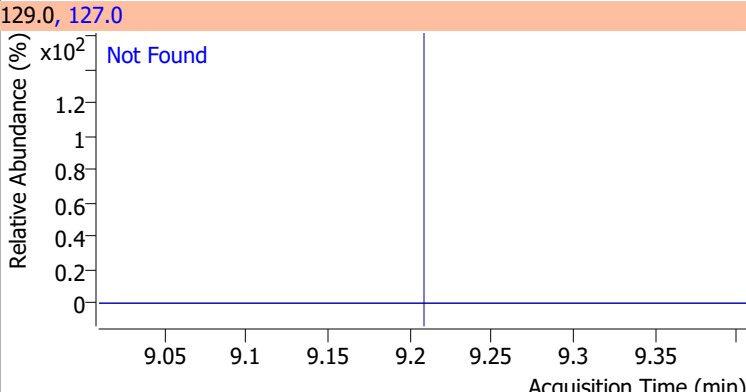
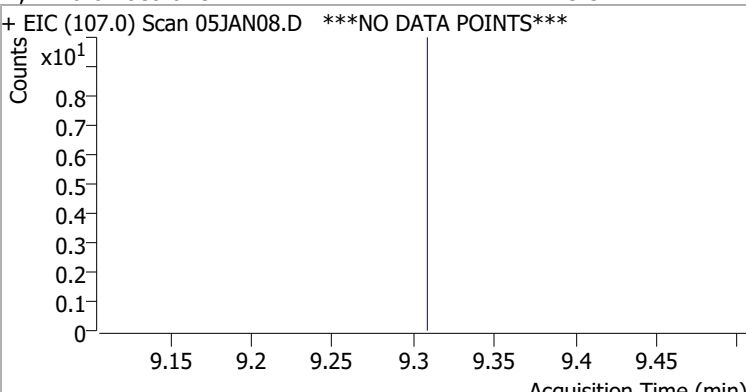
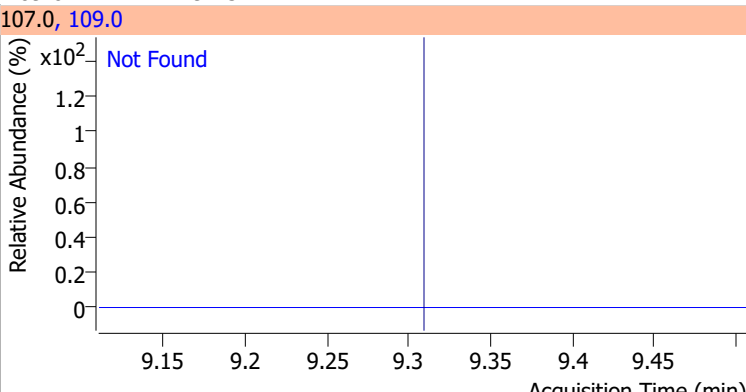
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



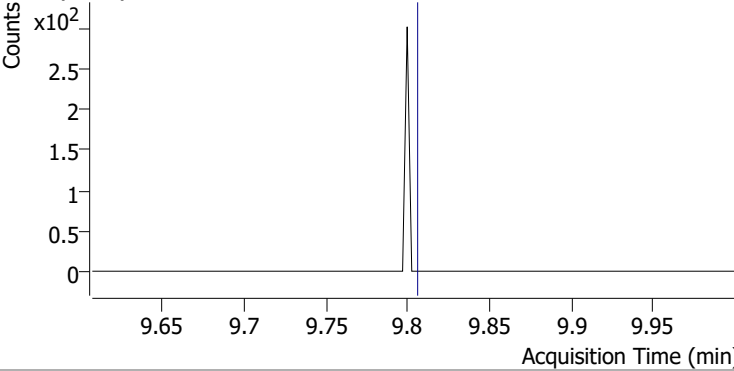
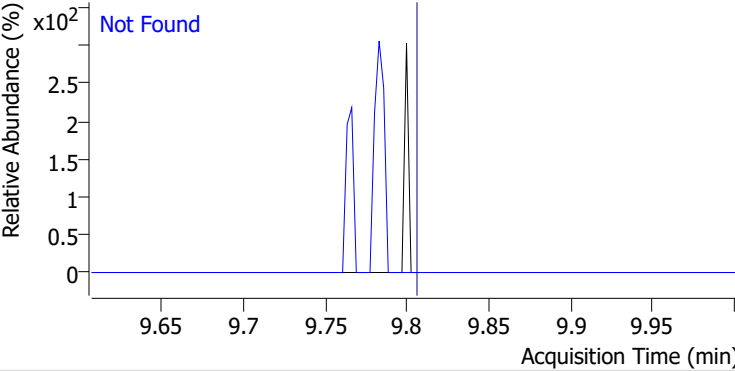
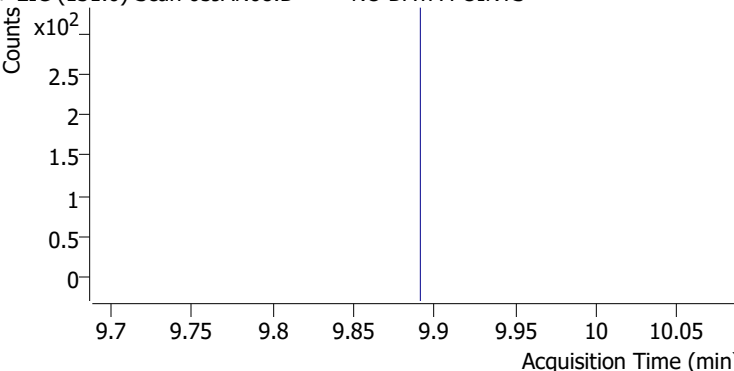
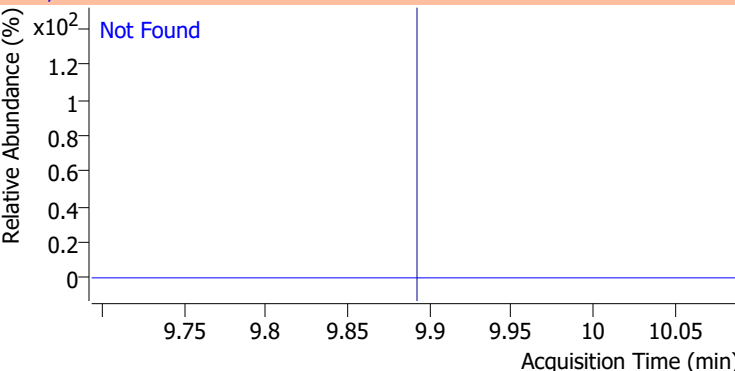
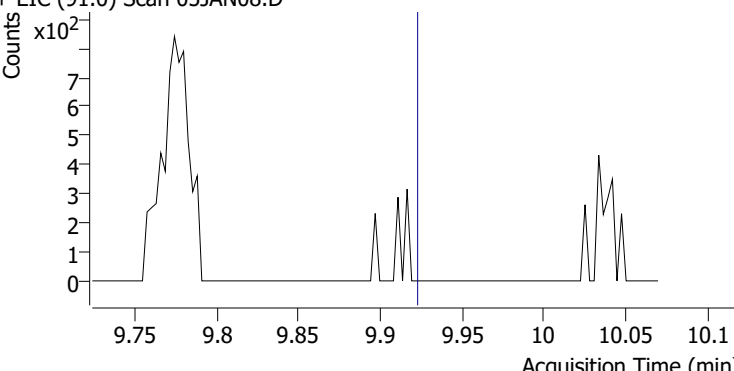
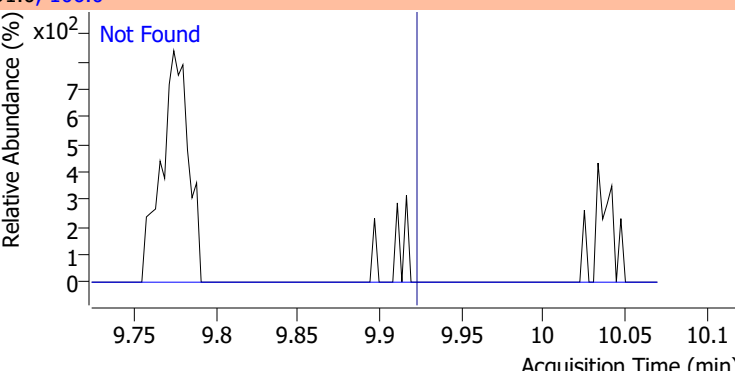
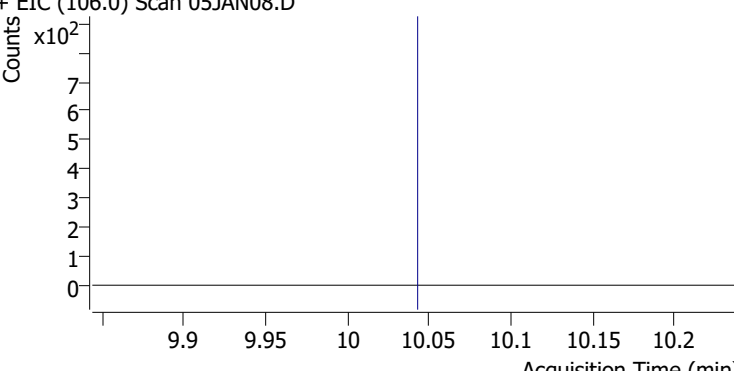
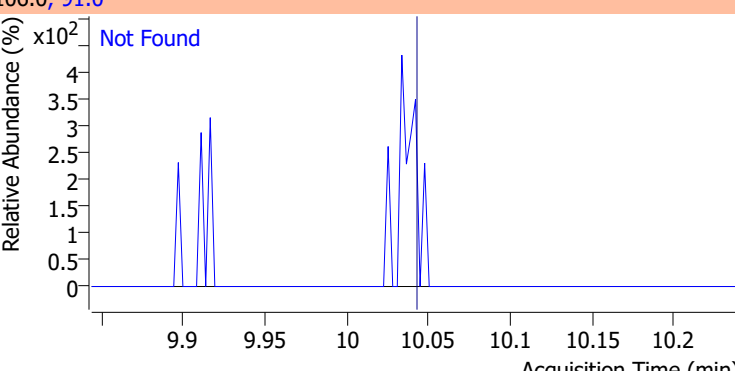
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |



# Quantitation Results Report (QT Reviewed)

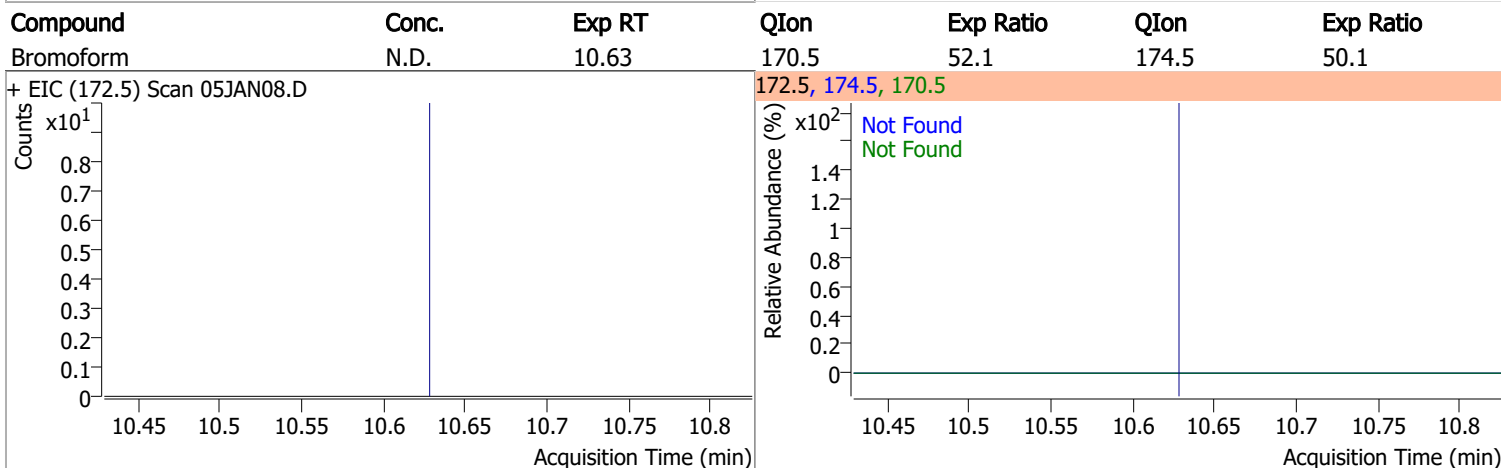
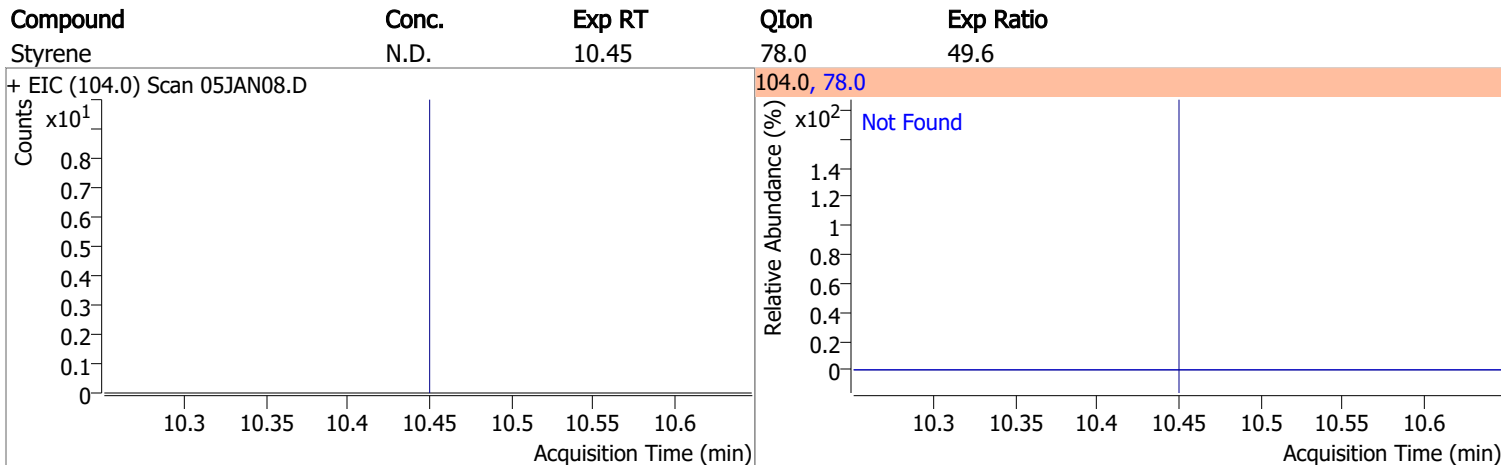
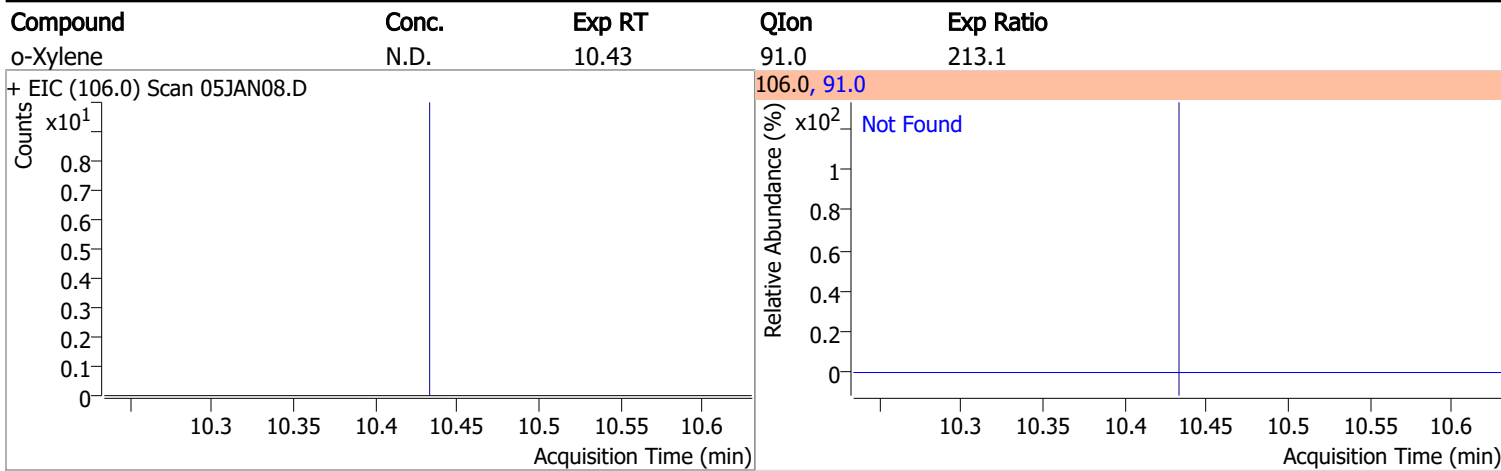
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Tetrachloroethene  | N.D.  | 8.94   | 165.8  | 128.6     | 129.0 | 91.5      |
| + EIC (163.8) Scan 05JAN08.D ***NO DATA POINTS***                                  |       |        | 163.8, 129.0, 165.8  |           |       |           |
|    |       |        |    |           |       |           |
| 1,3-Dichloropropane  | N.D.  | 8.98   | 78.0   | 32.9      |       |           |
| + EIC (76.0) Scan 05JAN08.D  |       |        | 76.0, 78.0   |           |       |           |
|   |       |        |   |           |       |           |
| Chlorodibromomethane   | N.D.  | 9.21   | 127.0  | 78.0      |       |           |
| + EIC (129.0) Scan 05JAN08.D   |       |        | 129.0, 127.0   |           |       |           |
|  |       |        |  |           |       |           |
| 1,2-Dibromoethane  | N.D.  | 9.31   | 109.0  | 94.5      |       |           |
| + EIC (107.0) Scan 05JAN08.D ***NO DATA POINTS***                                  |       |        | 107.0, 109.0   |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

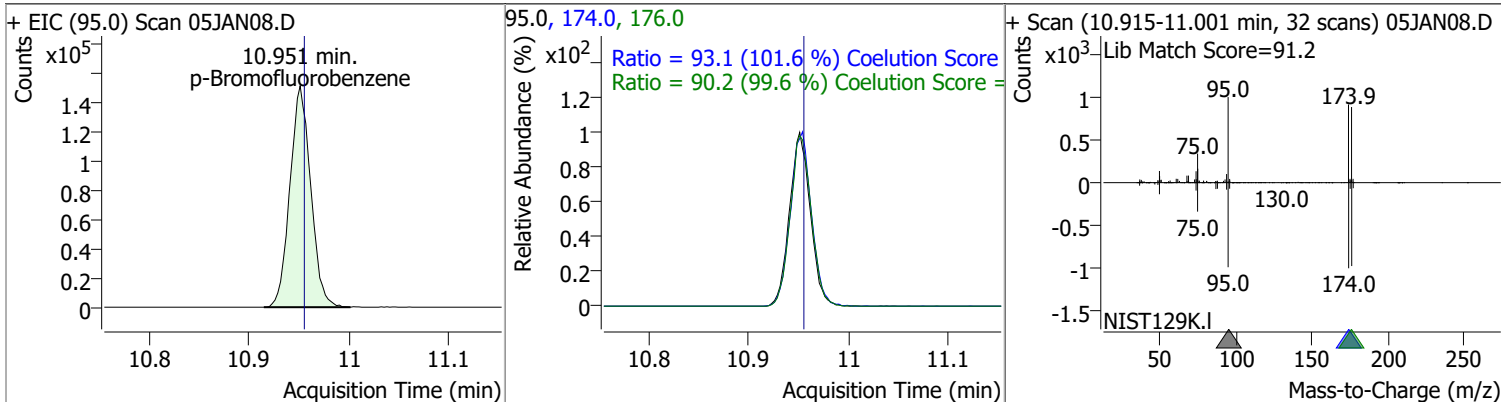
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0  | 32.1      |
| + EIC (112.0) Scan 05JAN08.D   |       |        | 112.0, 114.0   |           |
|    |       |        |    |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0  | 98.6      |
| + EIC (131.0) Scan 05JAN08.D ***NO DATA POINTS***                                  |       |        | 131.0, 133.0   |           |
|   |       |        |   |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0  | 31.1      |
| + EIC (91.0) Scan 05JAN08.D  |       |        | 91.0, 106.0  |           |
|  |       |        |  |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0   | 201.4     |
| + EIC (106.0) Scan 05JAN08.D   |       |        | 106.0, 91.0  |           |
|  |       |        |  |           |



# Quantitation Results Report (QT Reviewed)

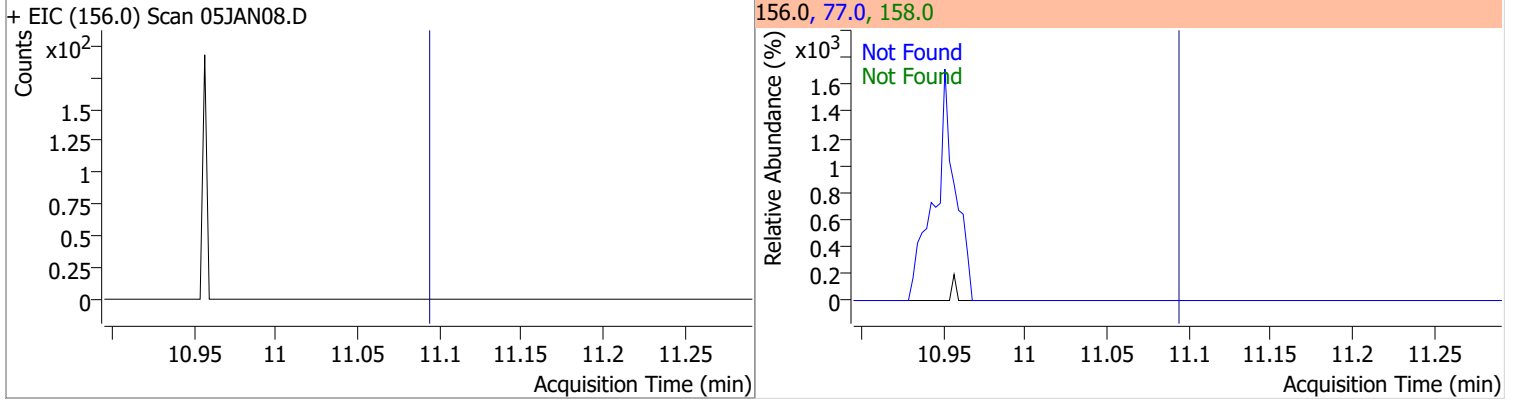


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 269.7370 | 10.95 | 0.00     | 217958 | 174.0 | 93.1   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 90.2   | 60.6  | 120.6 |

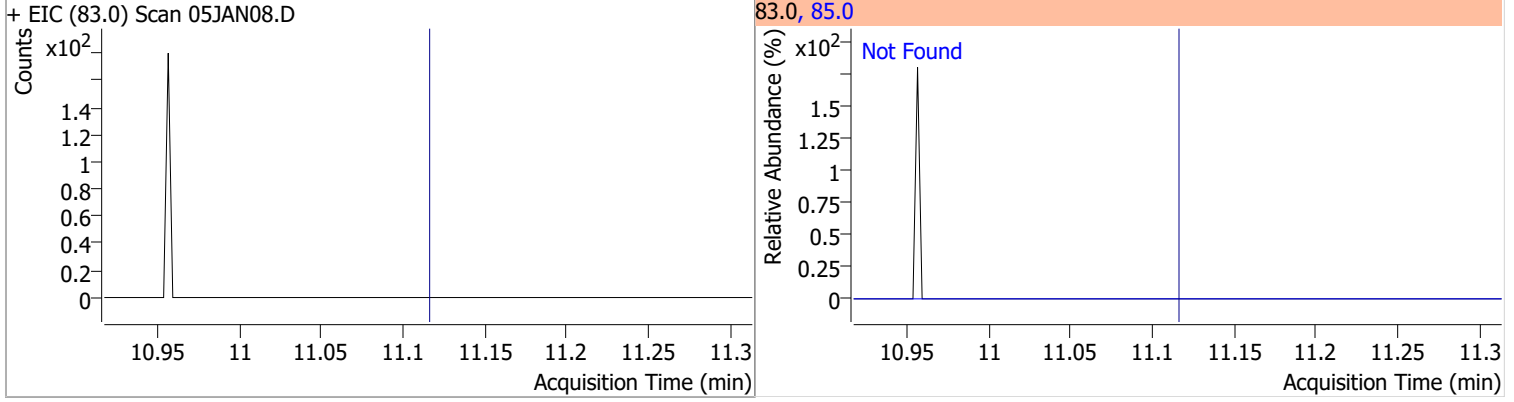


# Quantitation Results Report (QT Reviewed)

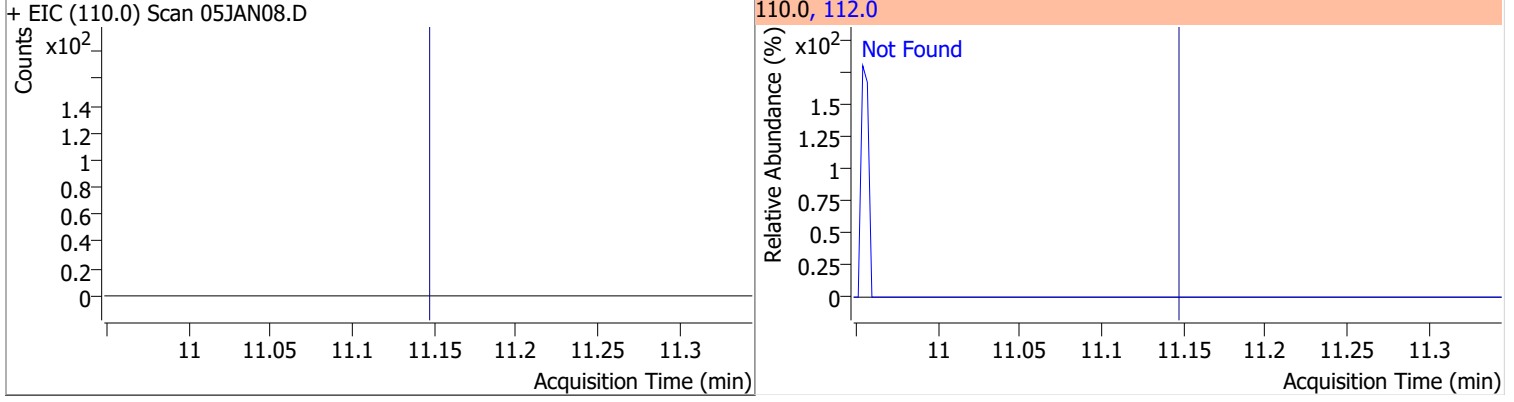
| Compound     | Conc. | Exp RT | QIon | Exp Ratio | QIon  | Exp Ratio |
|--------------|-------|--------|------|-----------|-------|-----------|
| Bromobenzene | N.D.  | 11.09  | 77.0 | 145.7     | 158.0 | 96.5      |



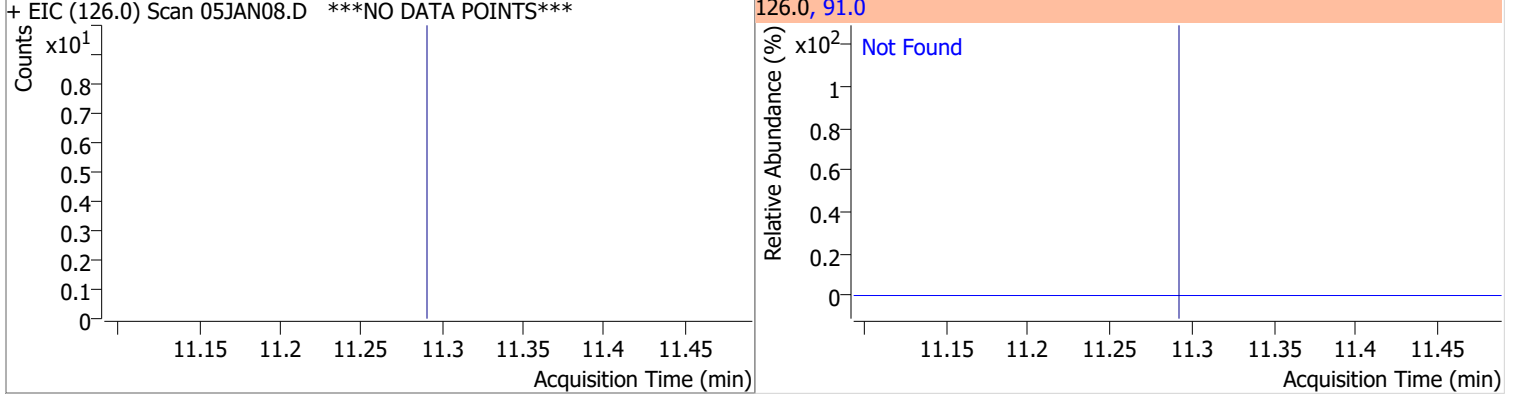
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|
| 1,1,2,2-Tetrachloroethane | N.D.  | 11.12  | 85.0 | 66.2      |



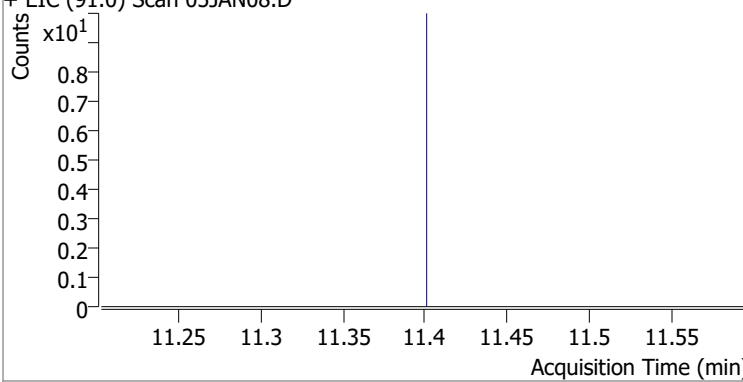
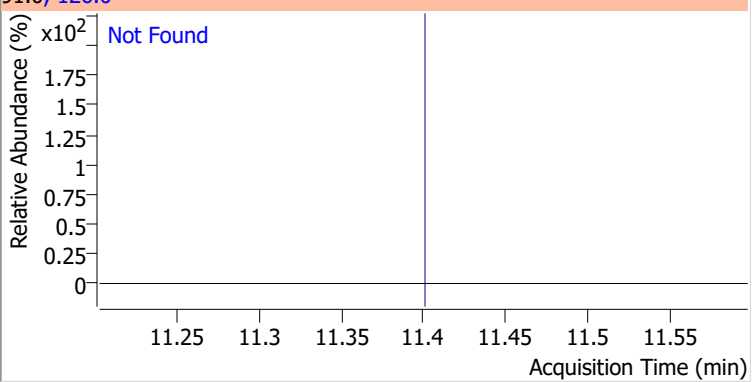
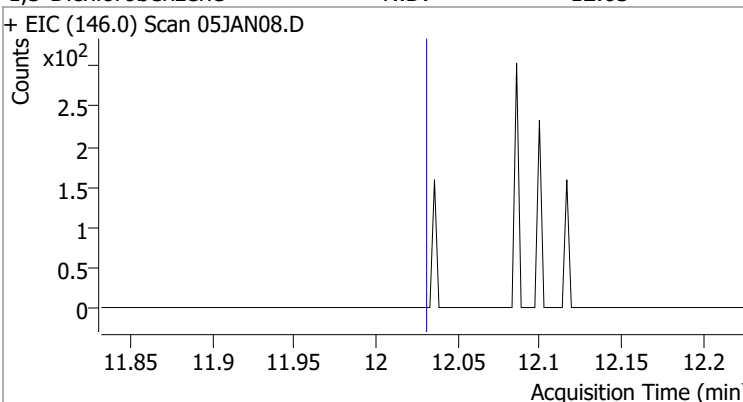
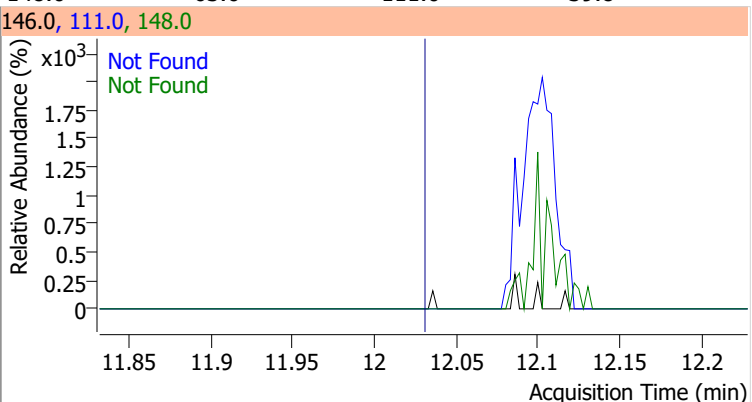
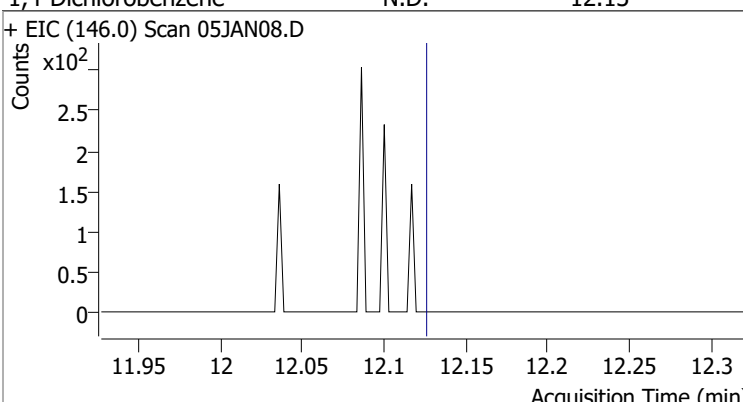
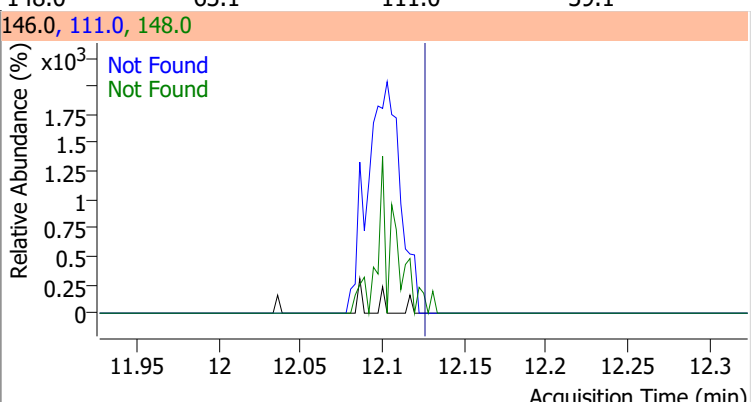
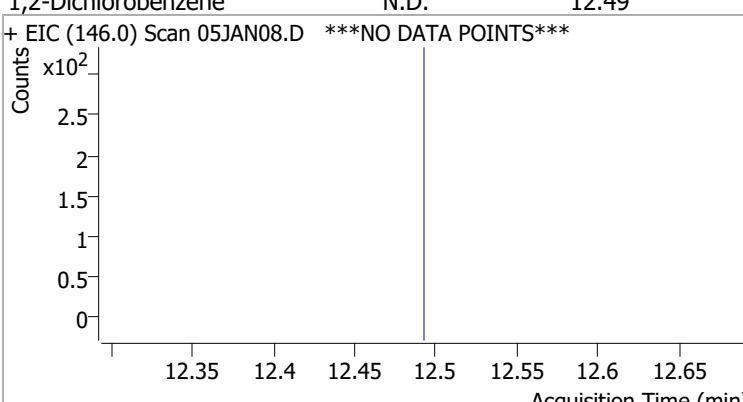
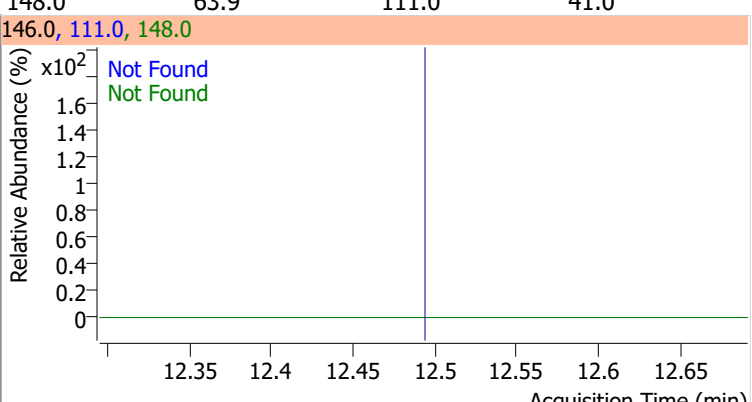
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| 1,2,3-Trichloropropane | N.D.  | 11.15  | 112.0 | 63.5      |



| Compound        | Conc. | Exp RT | QIon | Exp Ratio |
|-----------------|-------|--------|------|-----------|
| 2-Chlorotoluene | N.D.  | 11.29  | 91.0 | 282.3     |

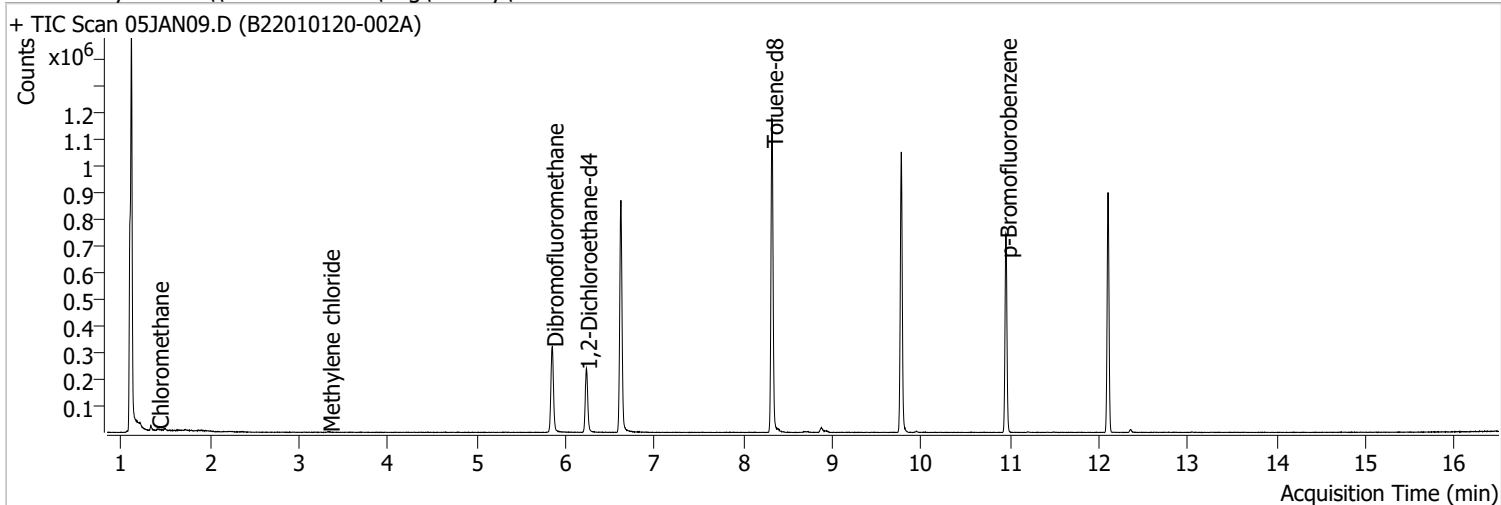


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |  |  |
|--|-------|--------|--|-----------|------|-----------|--|--|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |  |  |
| + EIC (91.0) Scan 05JAN08.D  |       |        | 91.0, 126.0  |           |      |           |  |  |
|    |       |        |    |           |      |           |  |  |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |  |  |
| + EIC (146.0) Scan 05JAN08.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |  |  |
|   |       |        |   |           |      |           |  |  |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |  |  |
| + EIC (146.0) Scan 05JAN08.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |  |  |
|  |       |        |  |           |      |           |  |  |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |  |  |
| + EIC (146.0) Scan 05JAN08.D ***NO DATA POINTS***                                  |       |        | 146.0, 111.0, 148.0  |           |      |           |  |  |
|  |       |        |  |           |      |           |  |  |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN09.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 1:43:48 PM   |
| Sample Name    | B22010120-002A                      | Instrument        | VOA5975C              |
| Vial           | 9                                   | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.                | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|----------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                      |       |          |
| M Fluorobenzene                    | 6.623                | 96.0  | 725823 | 250.0000             | ng    | 0.000    |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 284050 | 250.0000             | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 218466 | 250.0000             | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                      |       |          |
| S Dibromofluoromethane             | 5.851                | 113.0 | 193743 | 283.3333             | ng    | 0.005    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 113.33%   |       |          |
| S 1,2-Dichloroethane-d4            | 6.230                | 67.0  | 87408  | 295.9454             | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 118.38% * |       |          |
| S Toluene-d8                       | 8.321                | 98.0  | 741100 | 270.7461             | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 108.30%   |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 214927 | 268.5403             | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 107.42%   |       |          |
| <b>Target Compounds</b>            |                      |       |        |                      |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloromethane                    | 1.411                | 50.0  | 4032   | 3.4926               | ng    | 85       |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.                 |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.                 |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.                 |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.                 |       |          |
| T Methylene chloride               | 3.335                | 49.0  | 1869   | 1.7346               | ng    | m 91     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.                 |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.                 |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.                 |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.                 |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.                 |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.                 |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloroform                       | 0.000                |       | 0      | N.D.                 |       |          |

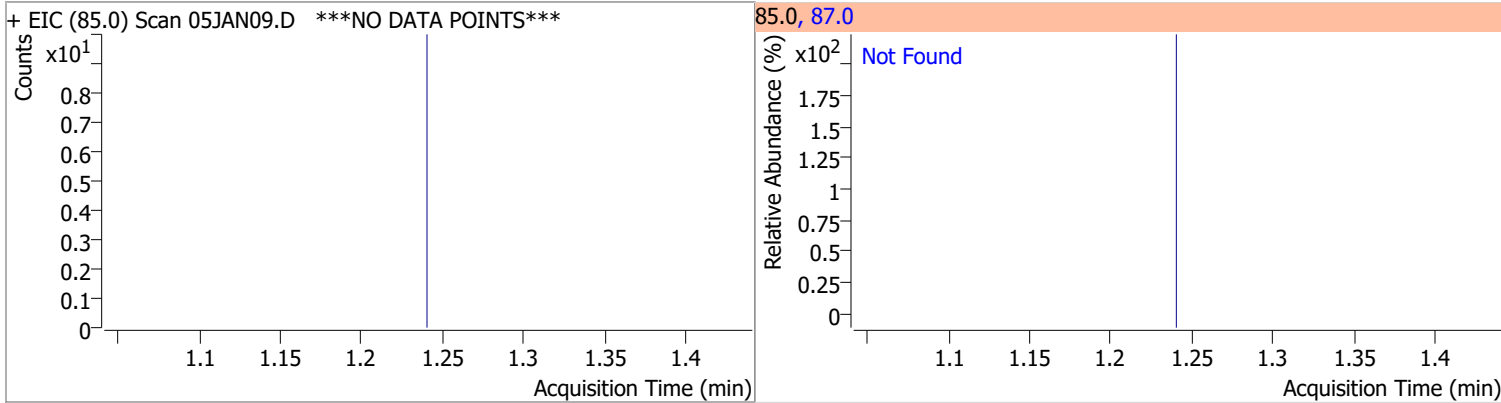
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT    | QIon | Resp. | Conc. | Units | Dev(Min) |
|-----------------------------|-------|------|-------|-------|-------|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.  |       |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.  |       |          |
| T Benzene                   | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.  |       |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.  |       |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.  |       |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.  |       |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.  |       |          |
| T Toluene                   | 8.391 | 92.0 | 0     |       | ng md | 1        |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.  |       |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.  |       |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.  |       |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.  |       |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.  |       |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.  |       |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.  |       |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.  |       |          |
| T Styrene                   | 0.000 |      | 0     | N.D.  |       |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.  |       |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.  |       |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.  |       |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.  |       |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |

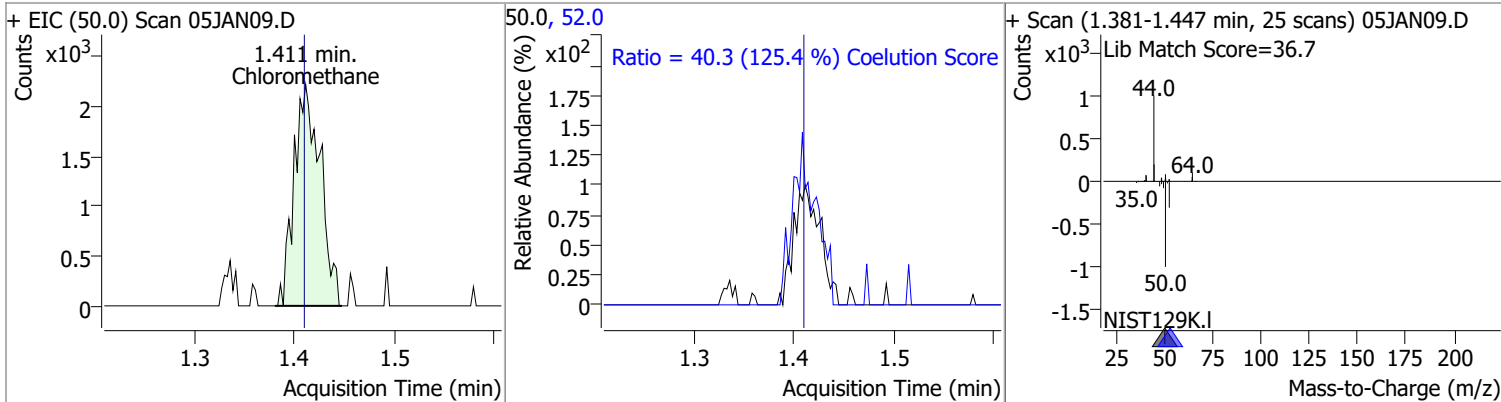
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

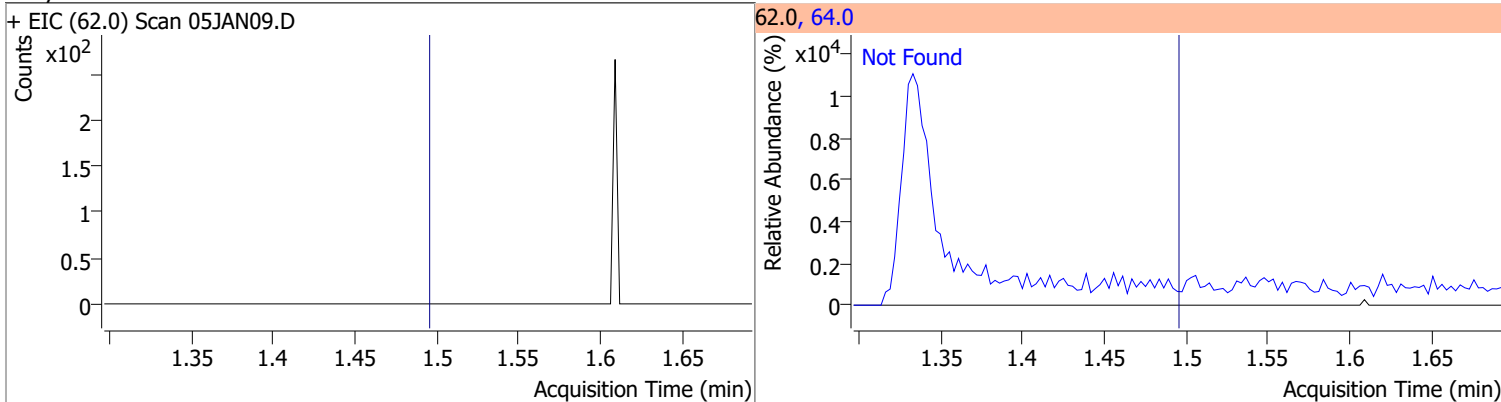
| Compound                | Conc. | Exp RT | QIon | Exp Ratio |
|-------------------------|-------|--------|------|-----------|
| Dichlorodifluoromethane | N.D.  | 1.24   | 87.0 | 32.3      |



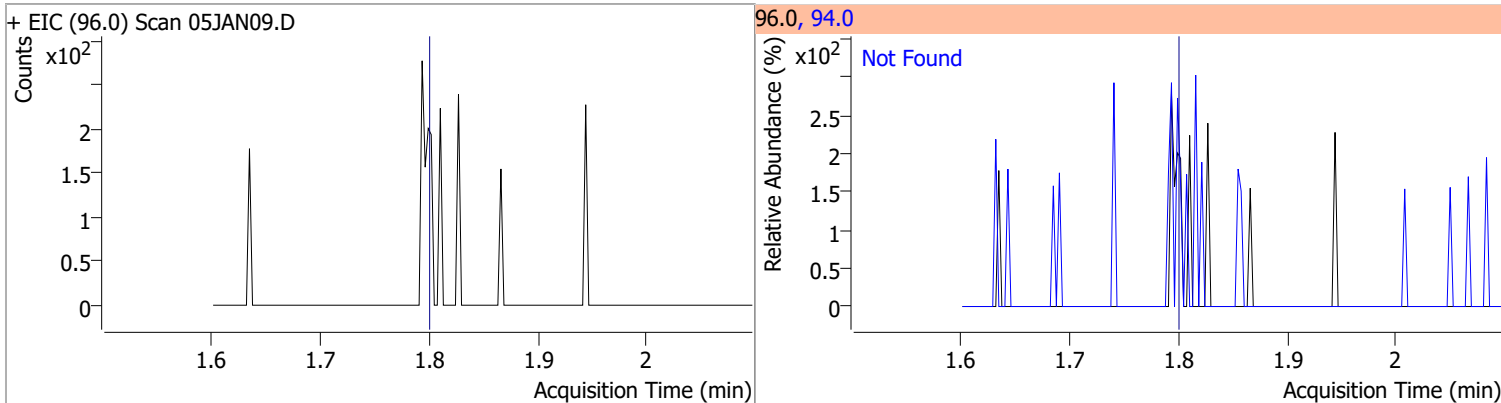
| Compound      | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|-------|------|--------|-------|-------|
| Chloromethane | 3.4926 | 1.41 | 0.00     | 4032  | 52.0 | 40.3   | 2.1   | 62.1  |



| Compound       | Conc. | Exp RT | QIon | Exp Ratio |
|----------------|-------|--------|------|-----------|
| Vinyl chloride | N.D.  | 1.50   | 64.0 | 29.9      |

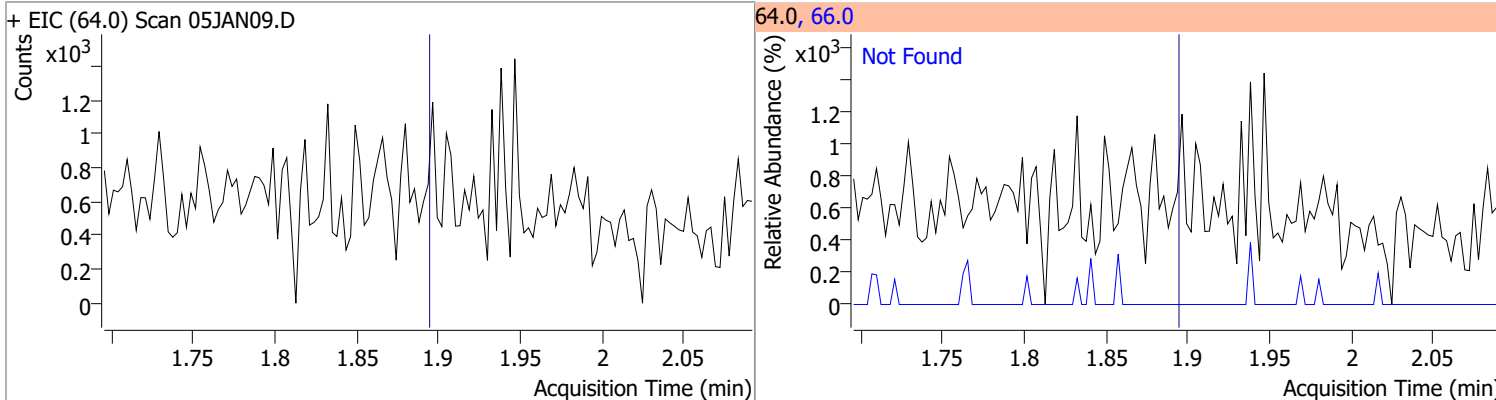


| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Bromomethane | N.D.  | 1.80   | 94.0 | 104.6     |

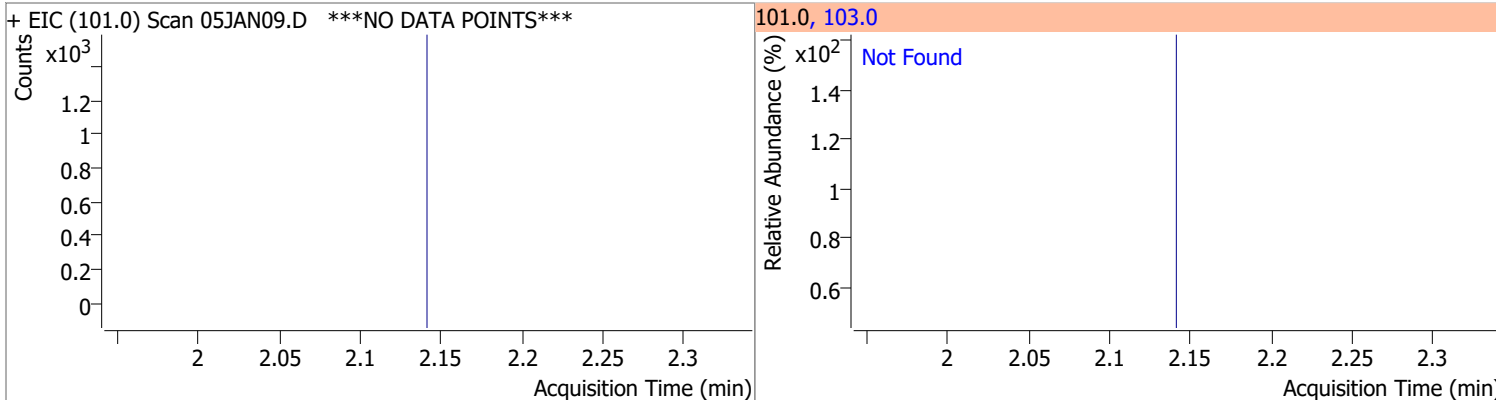


# Quantitation Results Report (QT Reviewed)

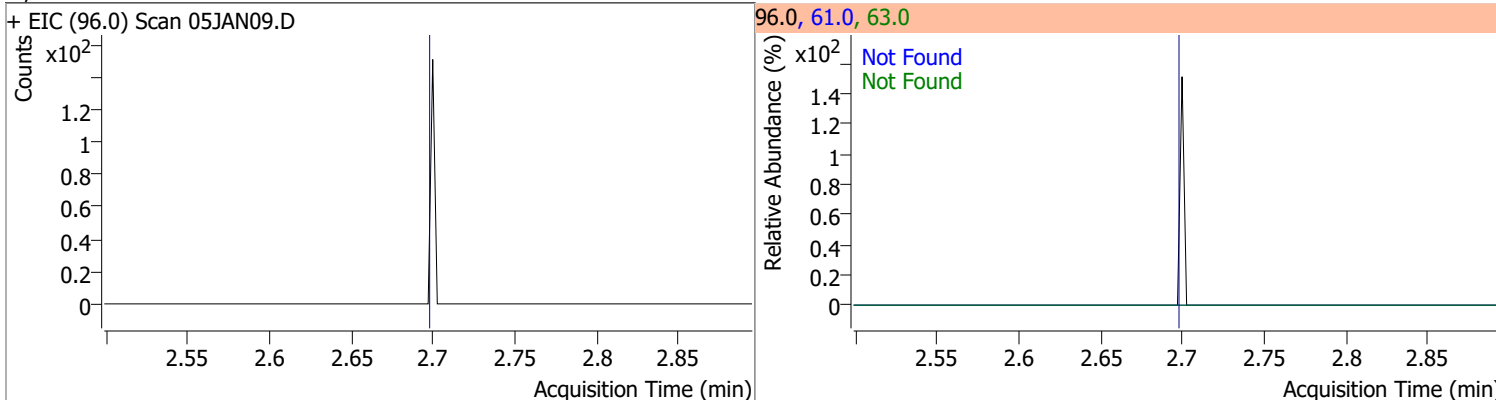
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



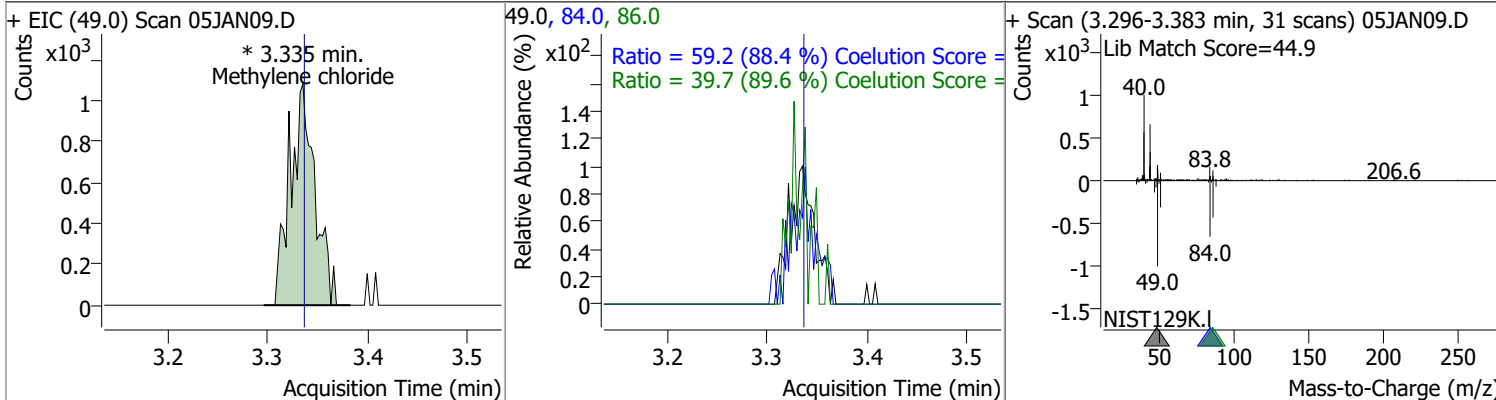
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

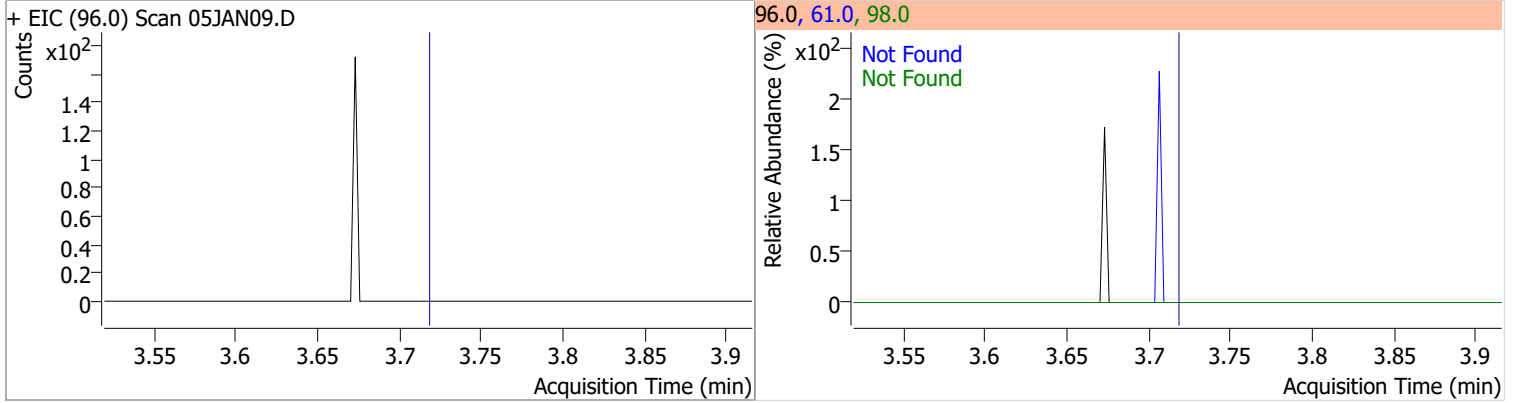


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.7346 | 3.34 | 0.00     | 1869 (m) | 84.0 | 59.2   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 39.7   | 14.3  | 74.3  |

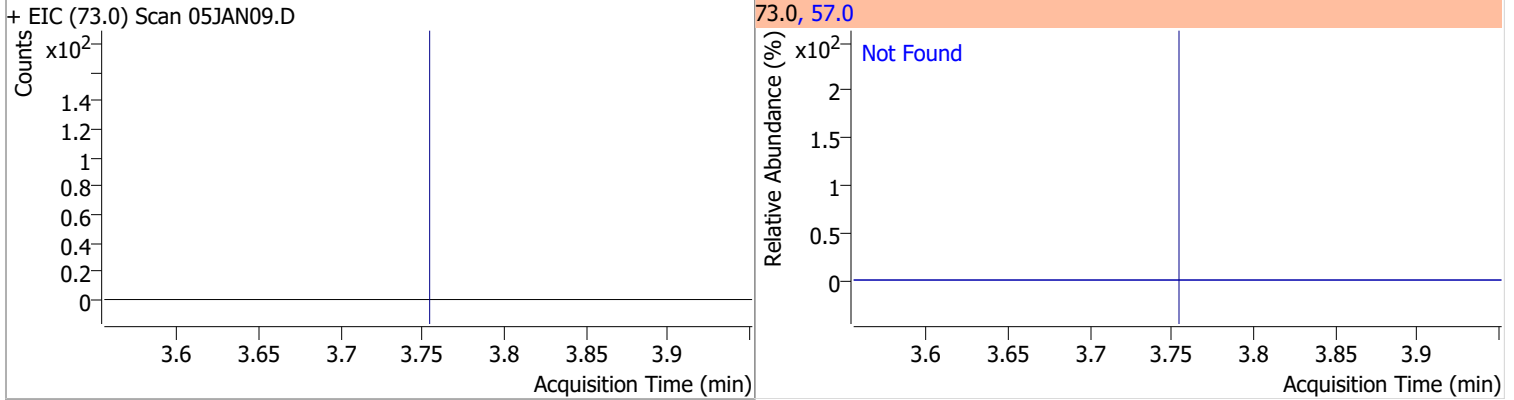


# Quantitation Results Report (QT Reviewed)

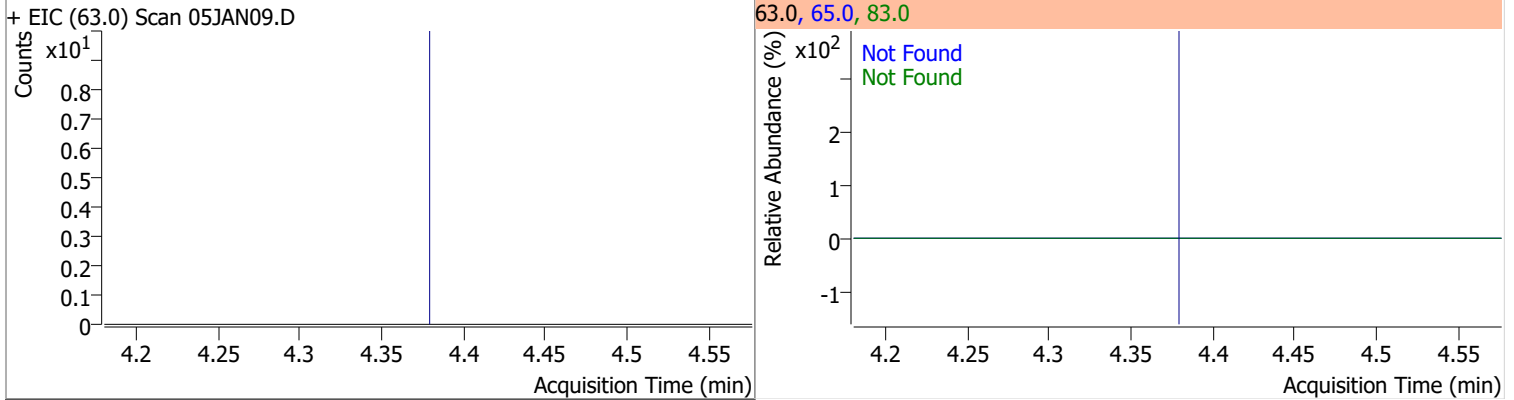
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



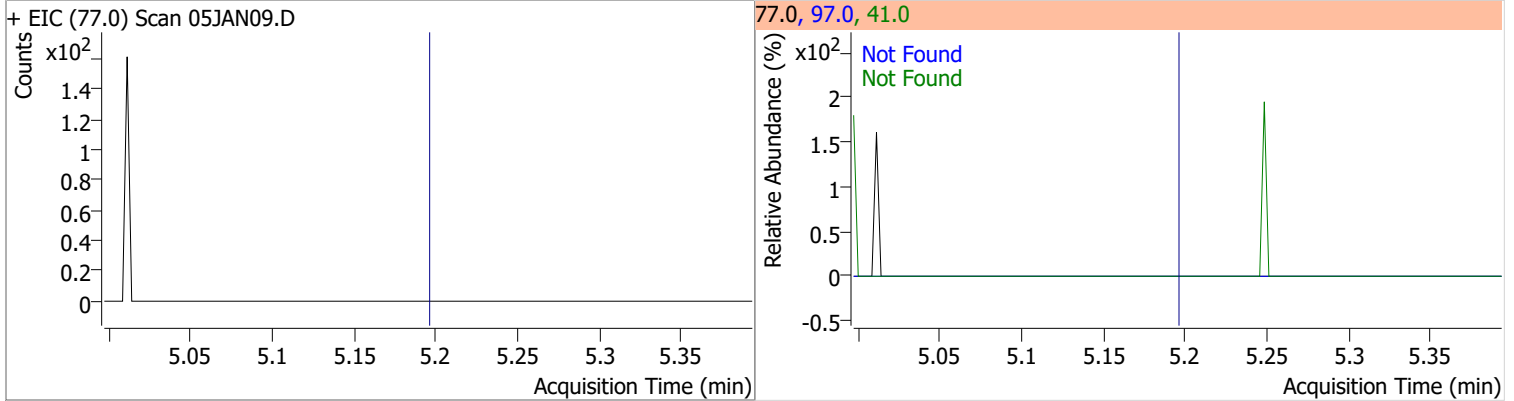
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |



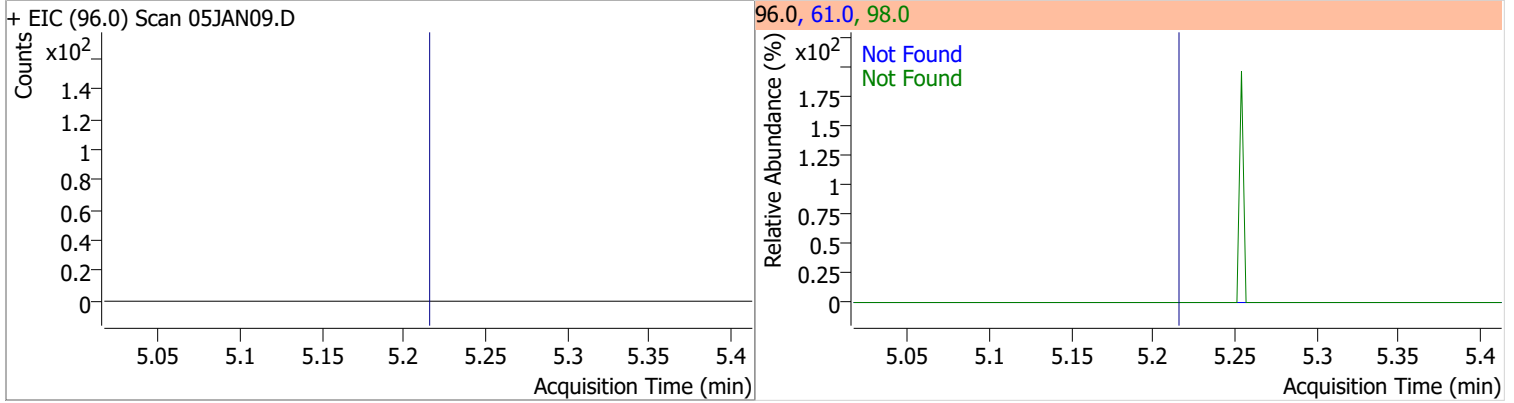
| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |



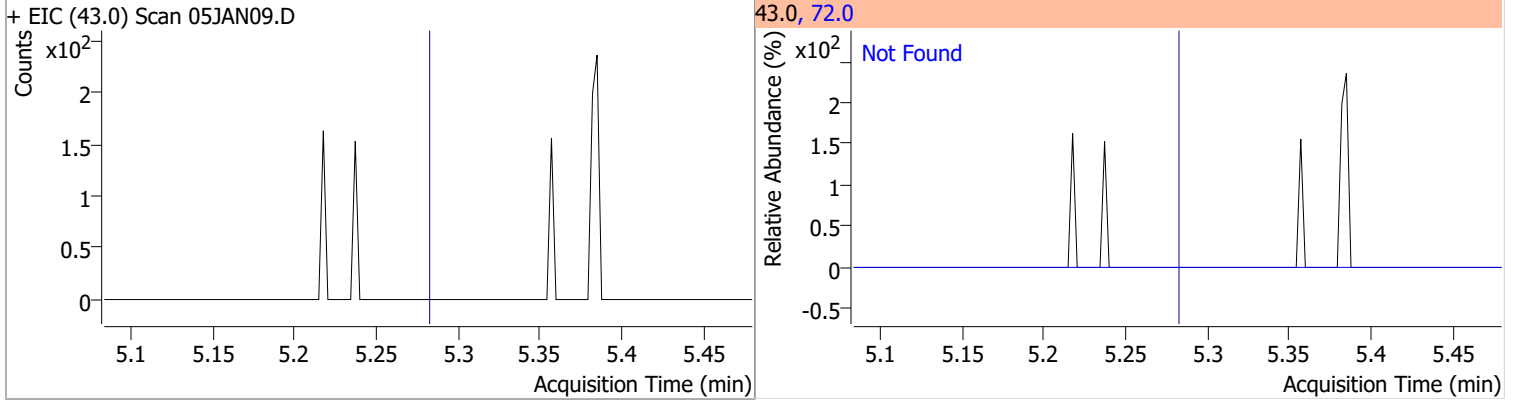


# Quantitation Results Report (QT Reviewed)

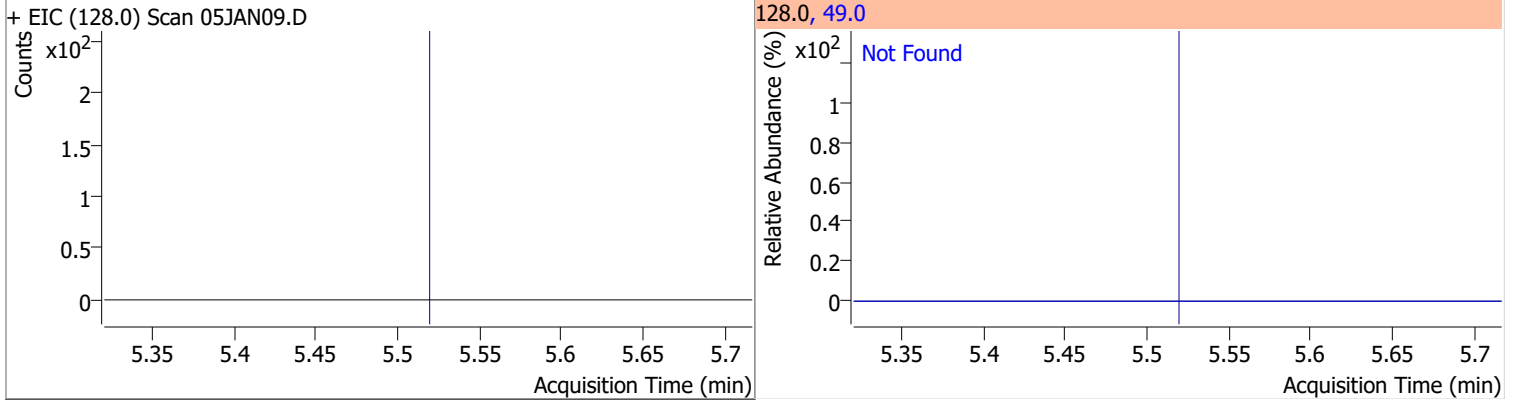
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



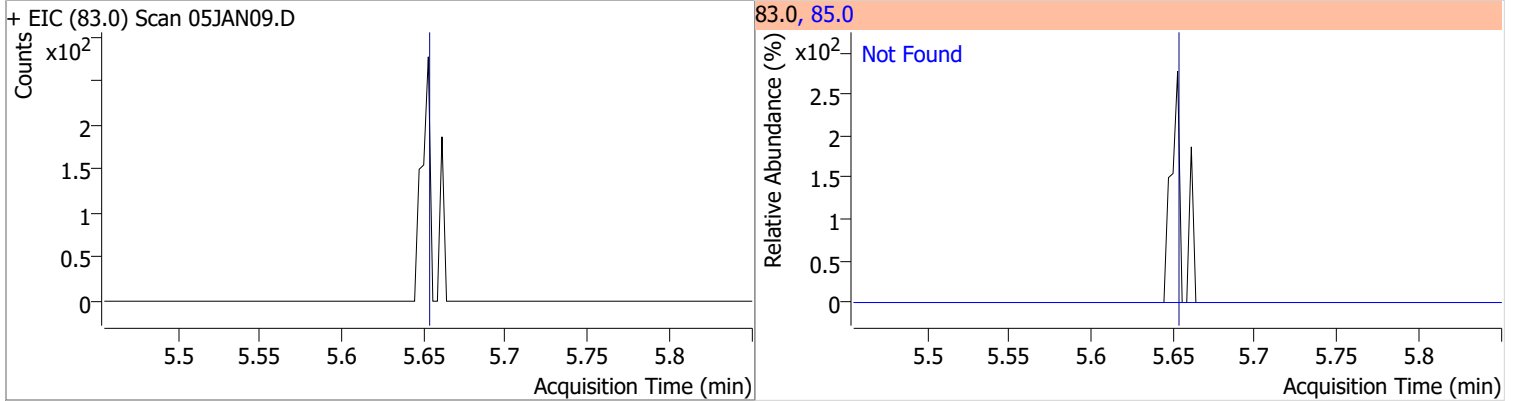
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



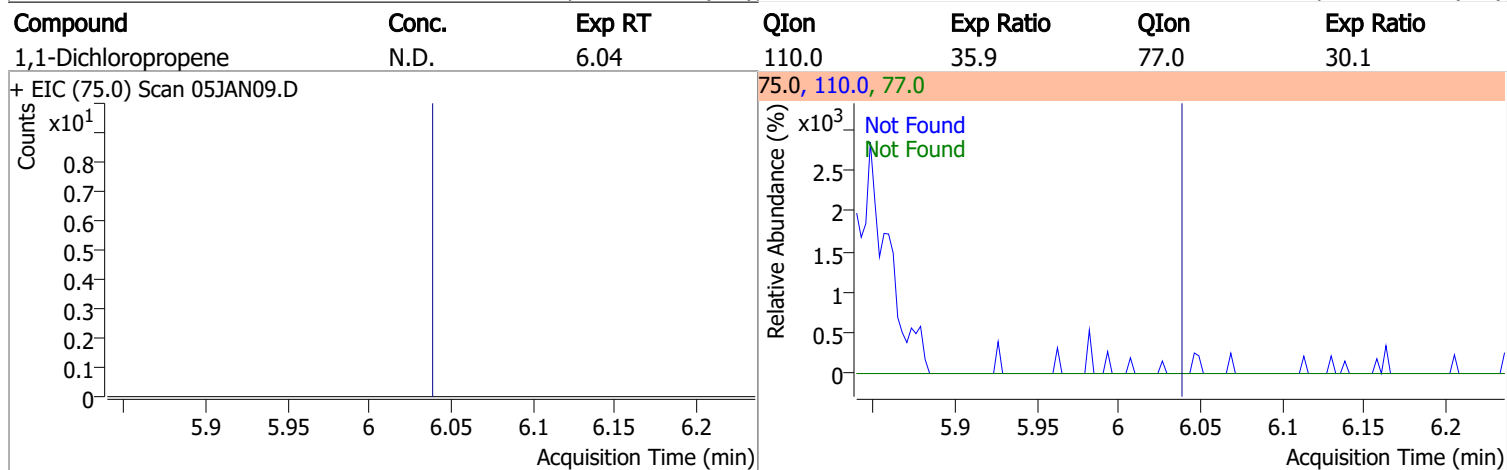
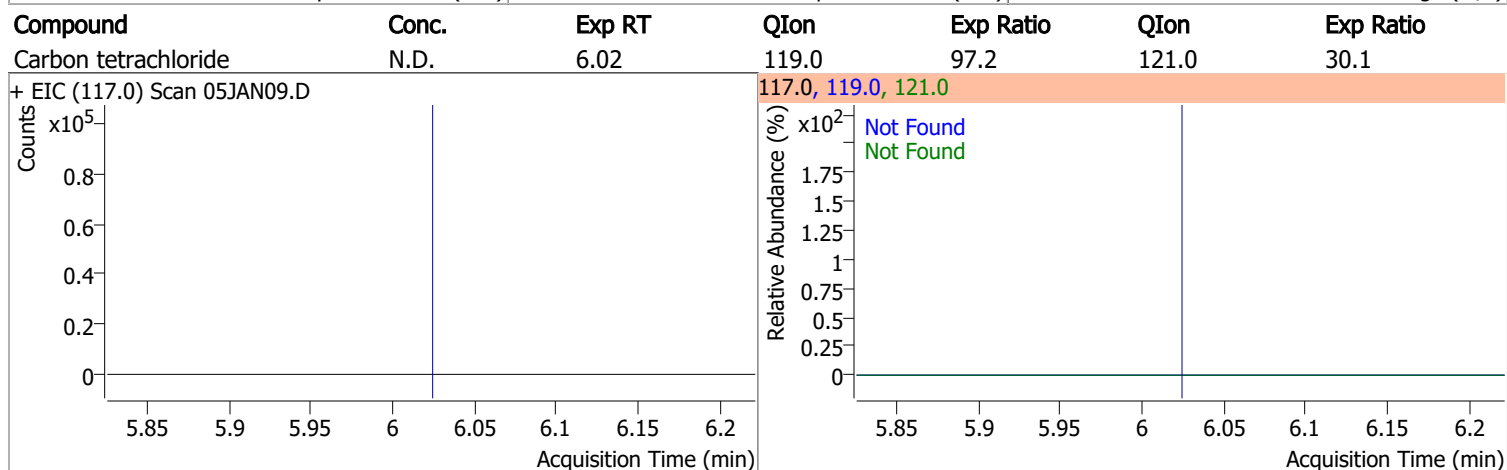
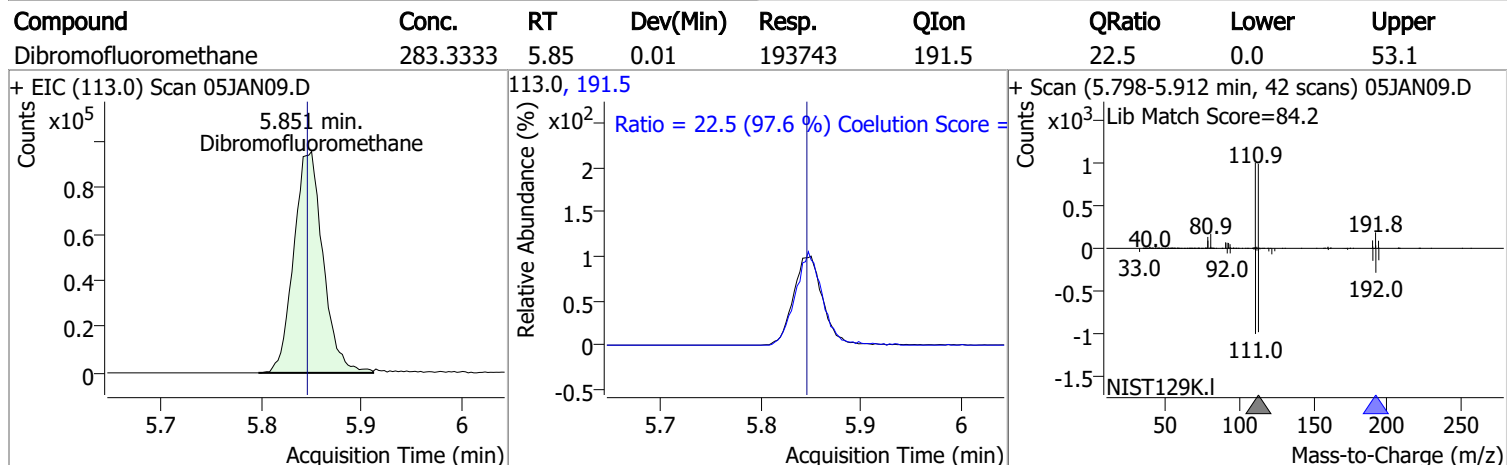
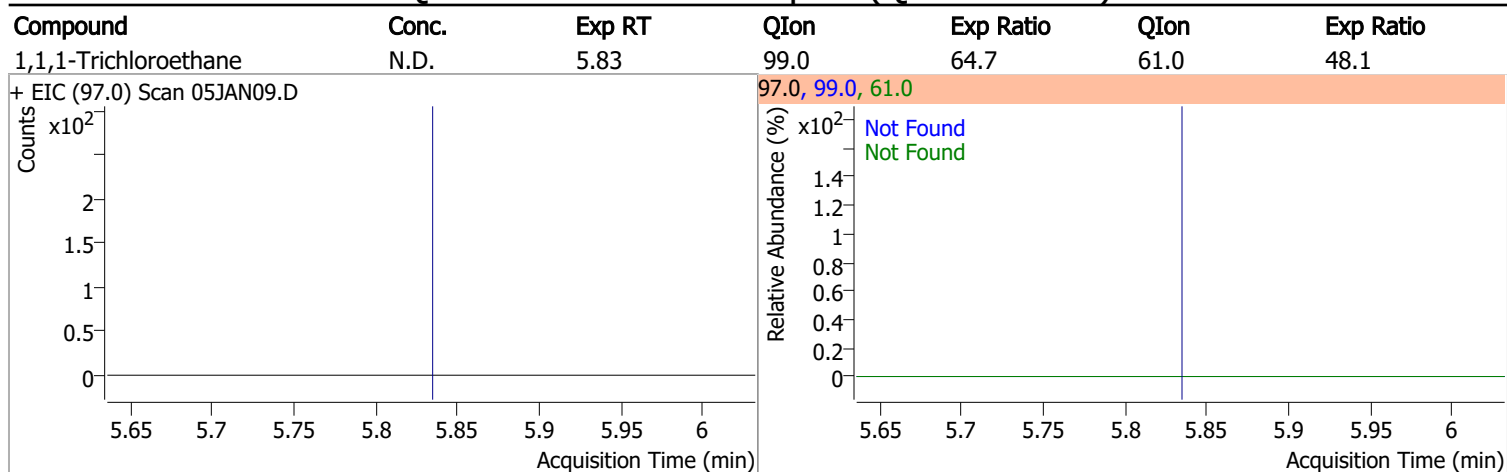
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |

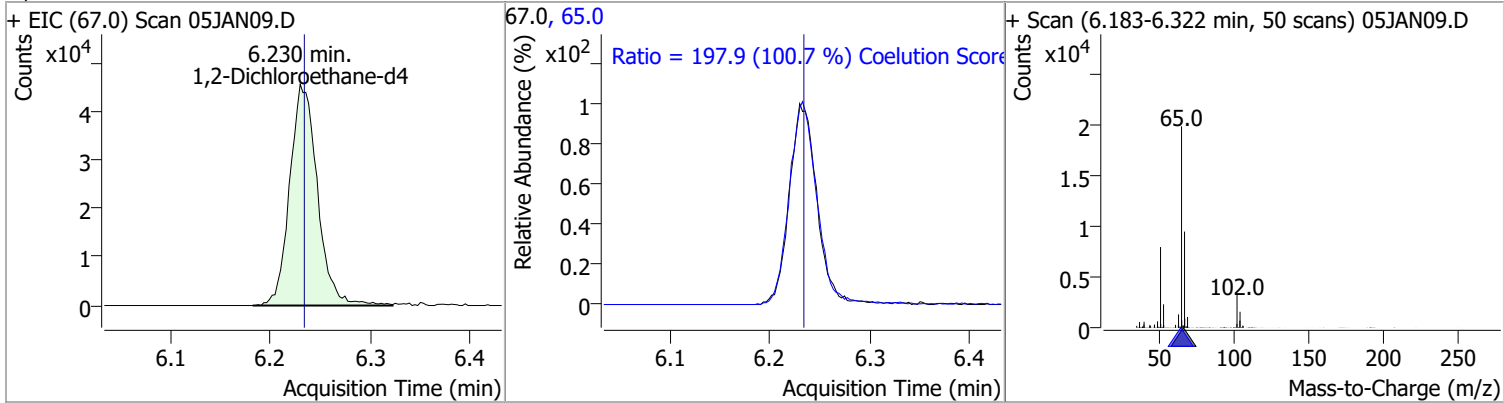


# Quantitation Results Report (QT Reviewed)

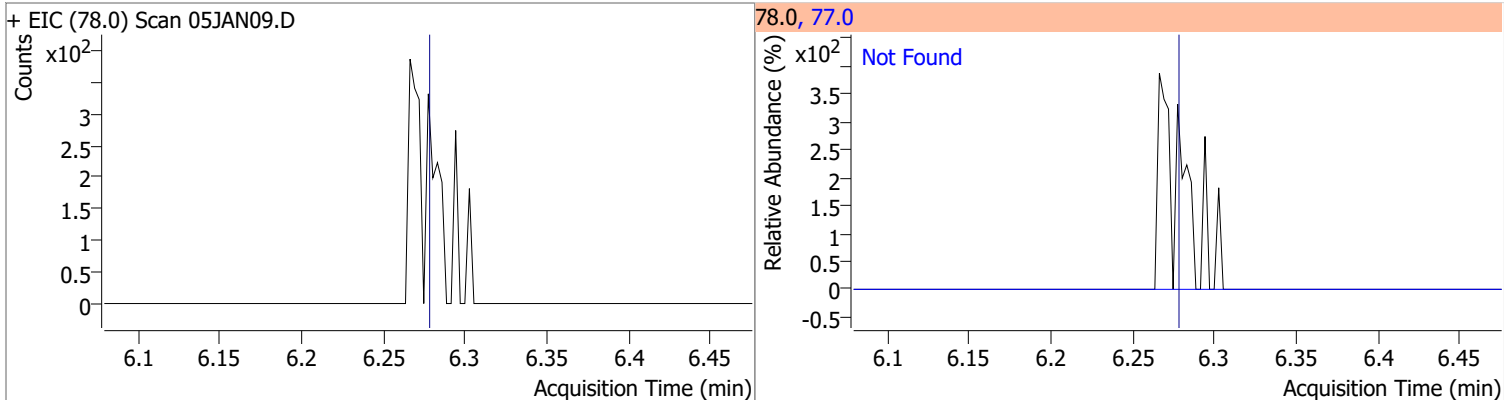


# Quantitation Results Report (QT Reviewed)

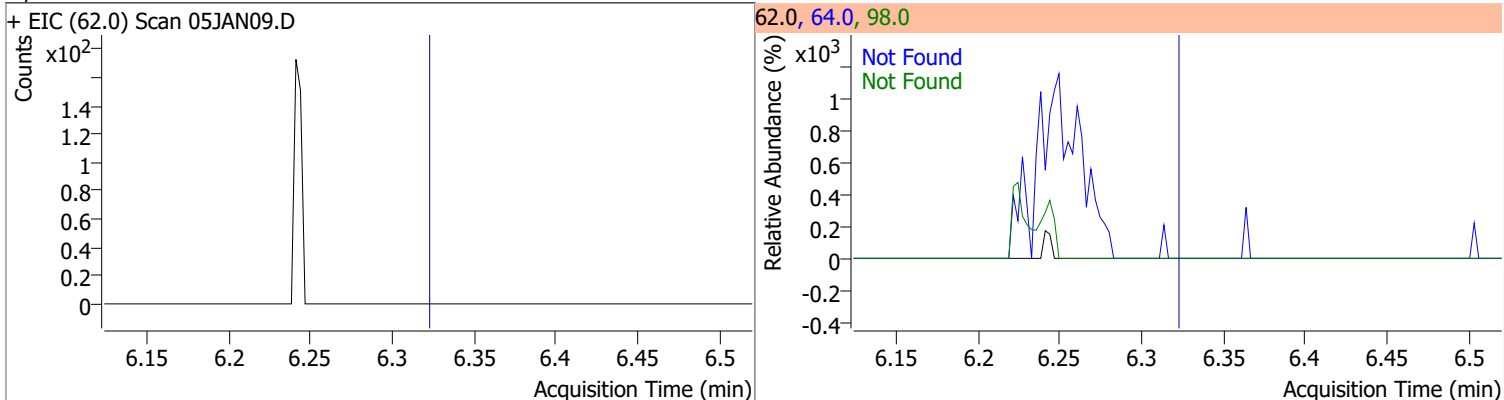
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 295.9454 | 6.23 | 0.00     | 87408 | 65.0 | 197.9  | 166.5 | 226.5 |



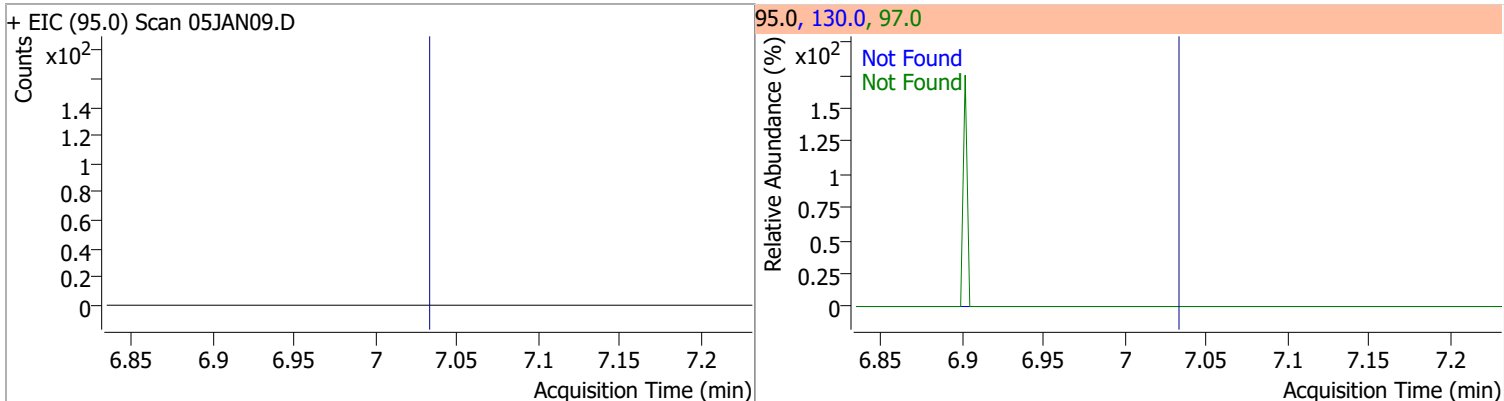
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



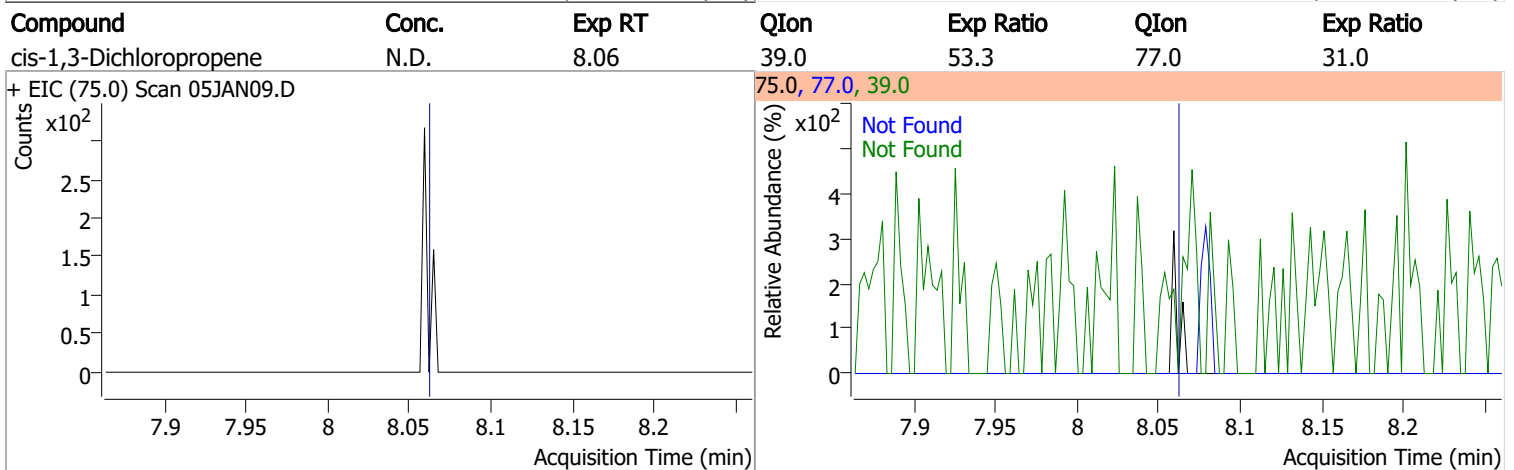
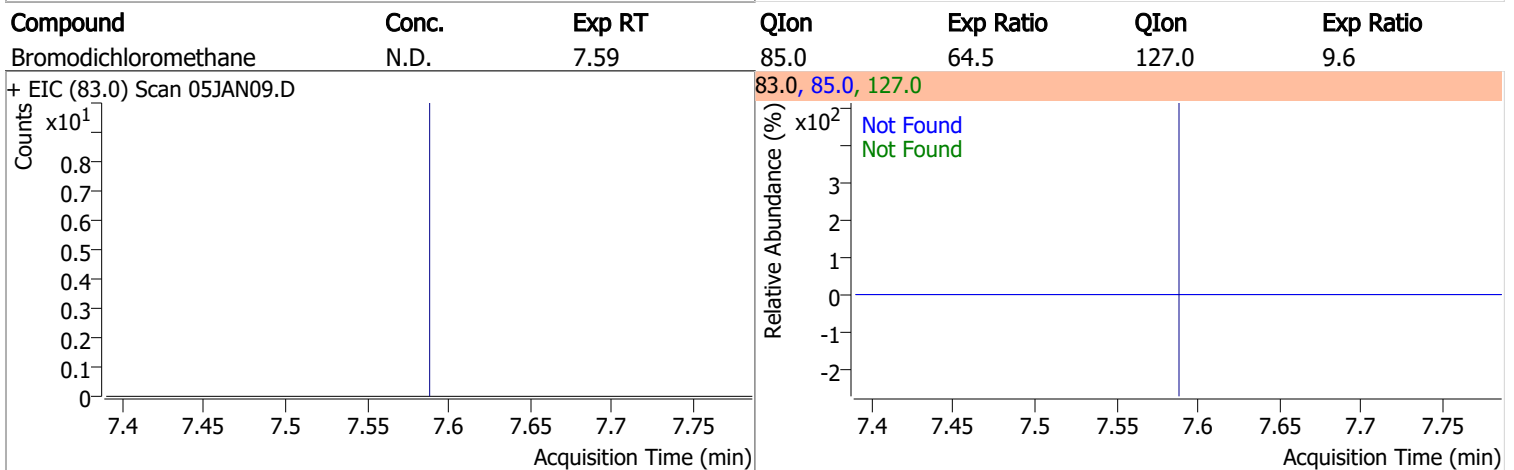
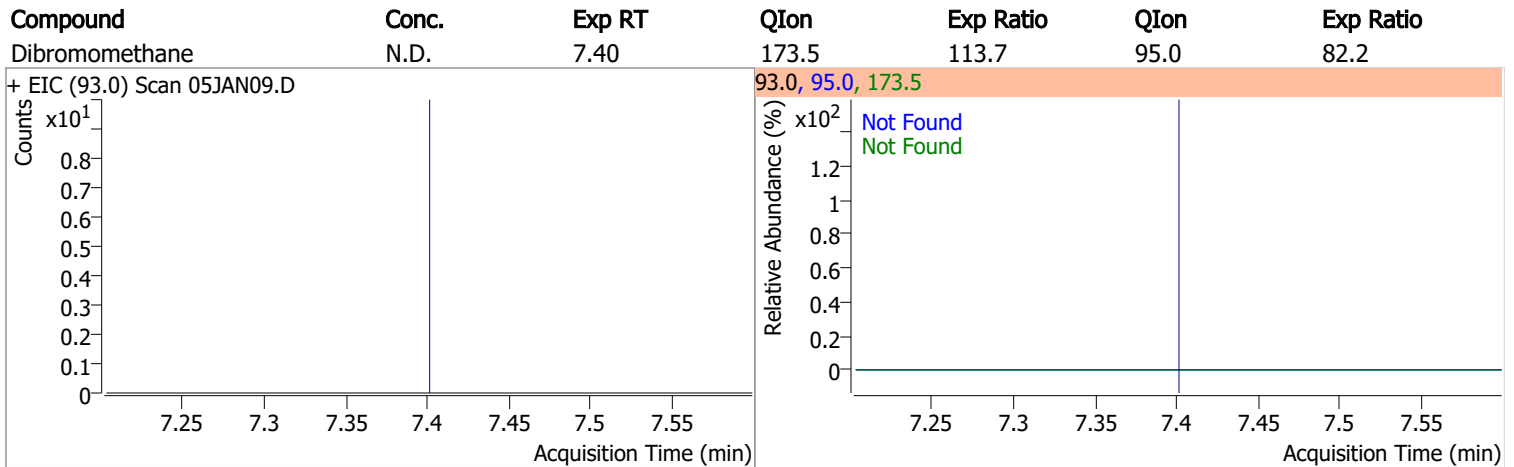
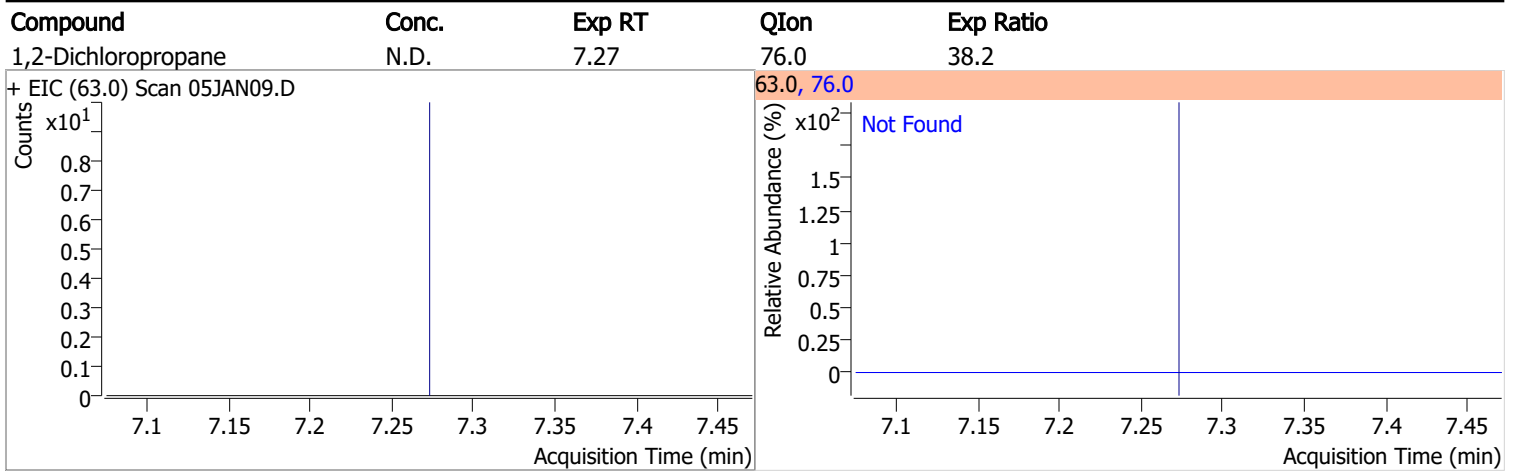
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

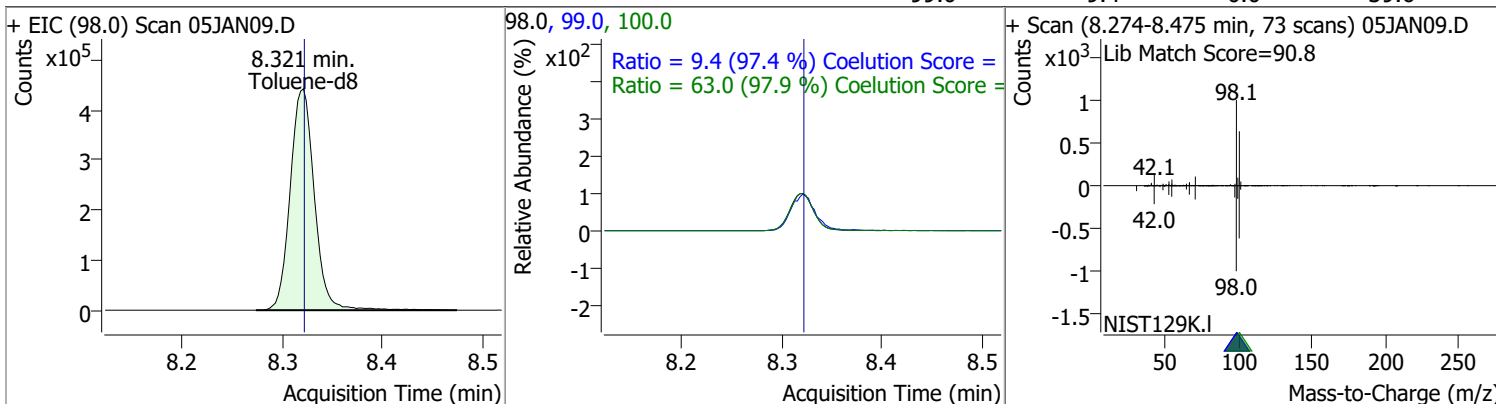


# Quantitation Results Report (QT Reviewed)

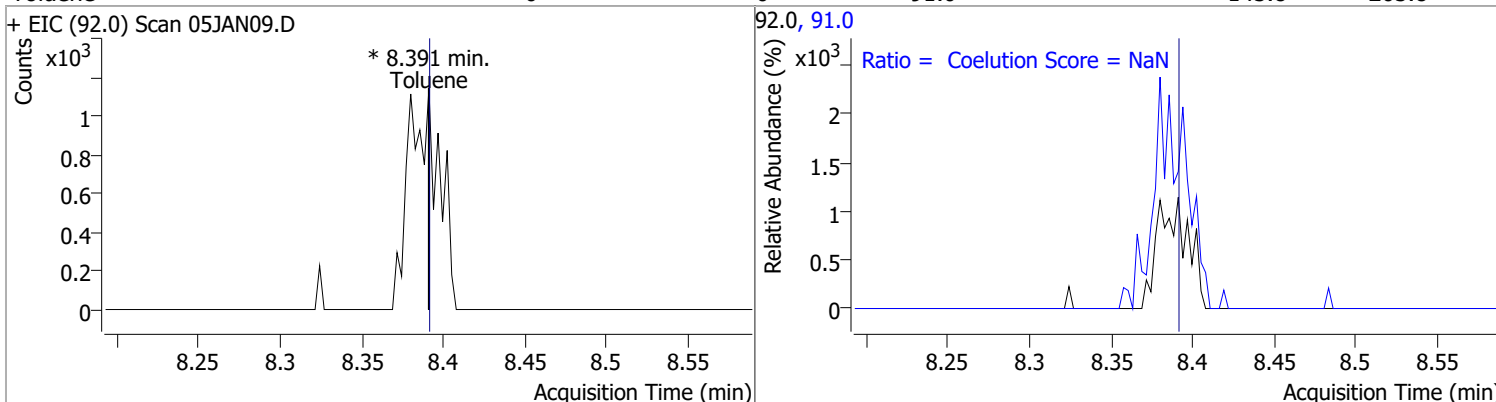


# Quantitation Results Report (QT Reviewed)

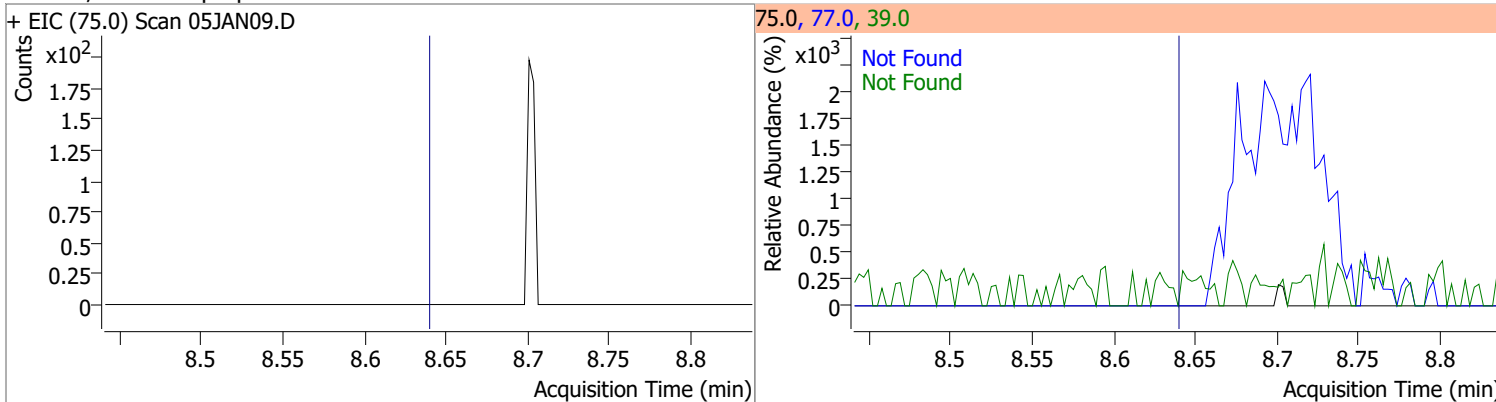
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 270.7461 | 8.32 | 0.00     | 741100 | 100.0 | 63.0   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.4    | 0.0   | 39.6  |



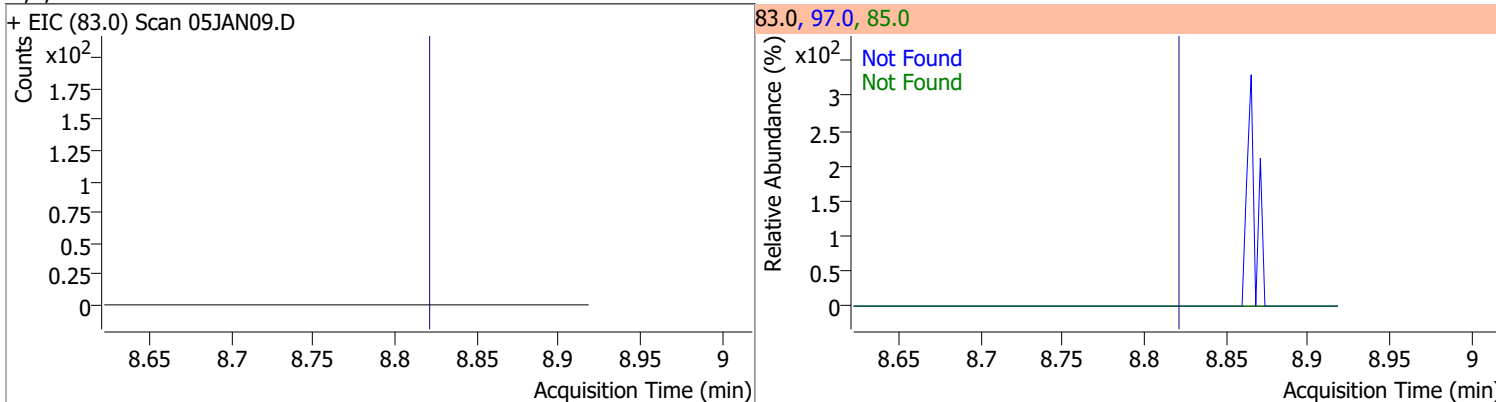
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
| Toluene  | 0     | 0  | 0        | 0     | 91.0 |        | 145.8 | 205.8 |



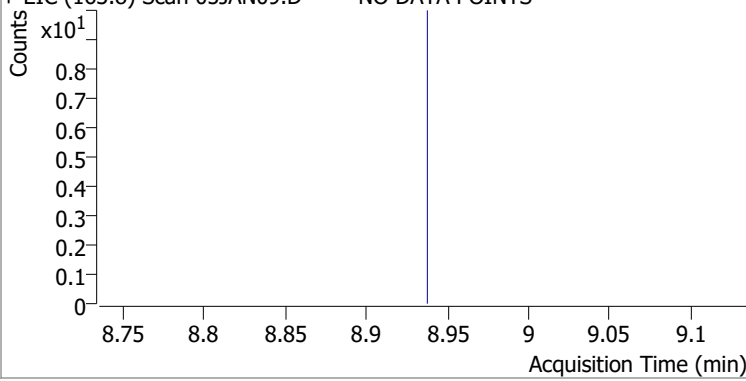
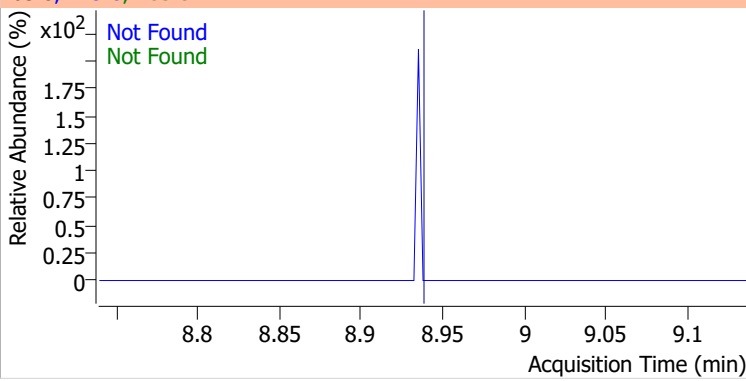
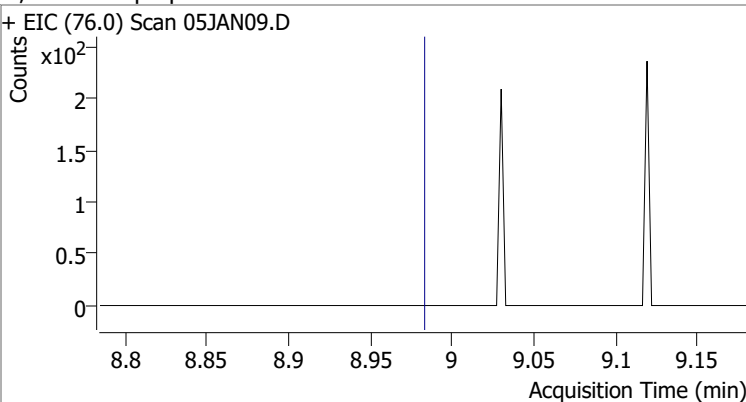
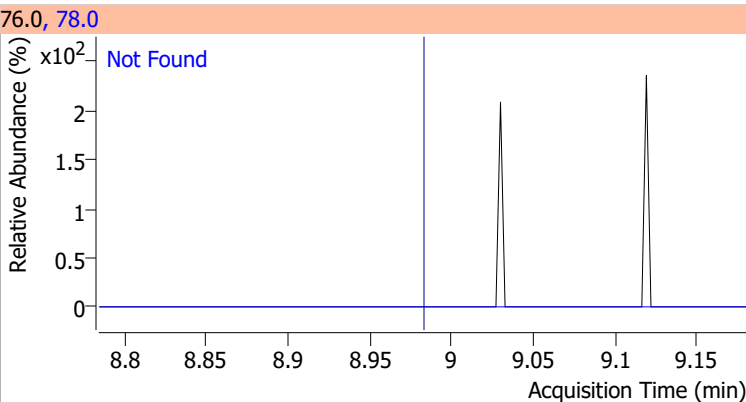
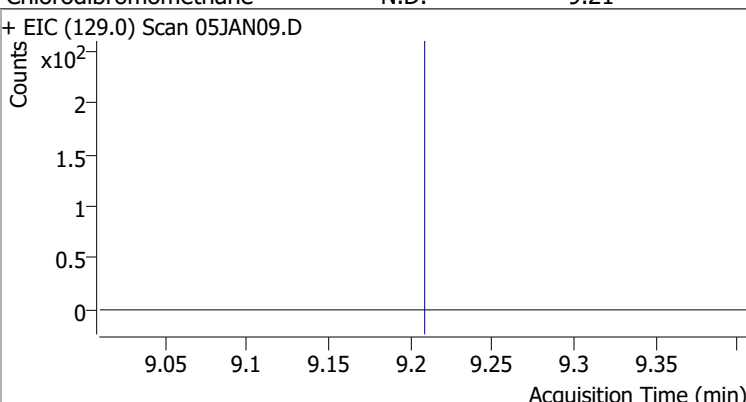
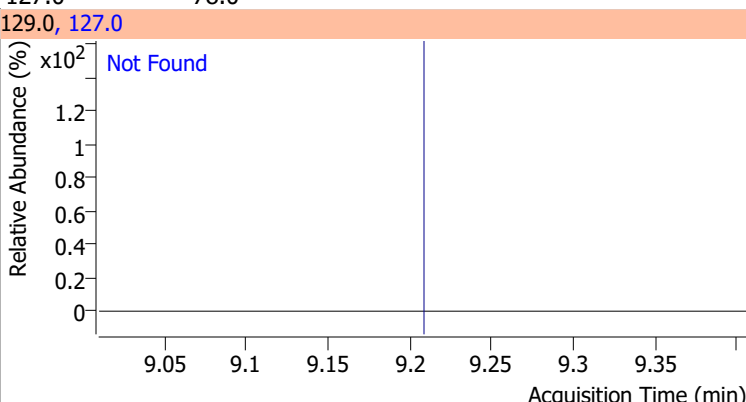
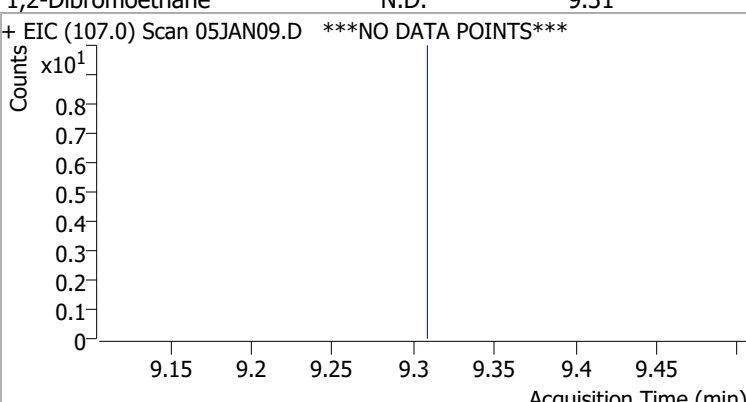
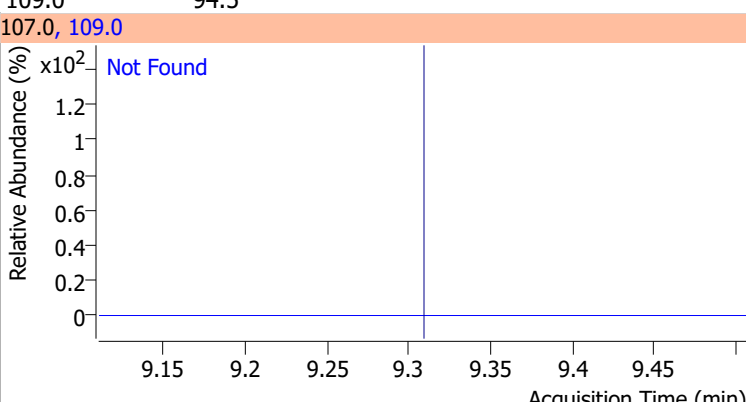
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



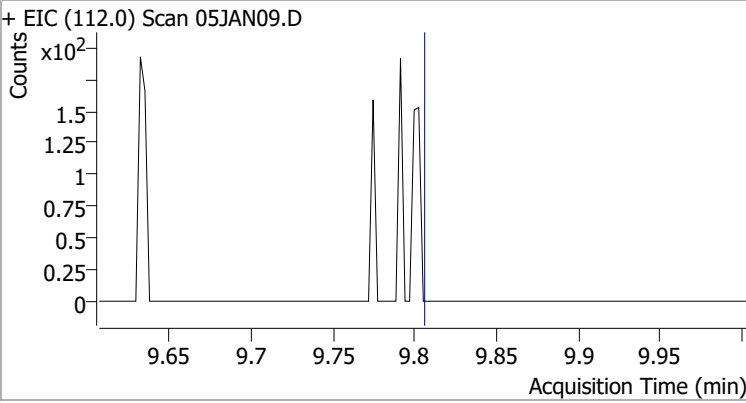
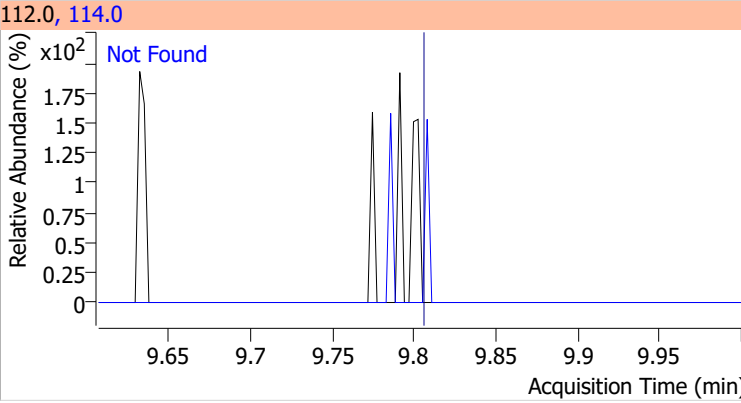
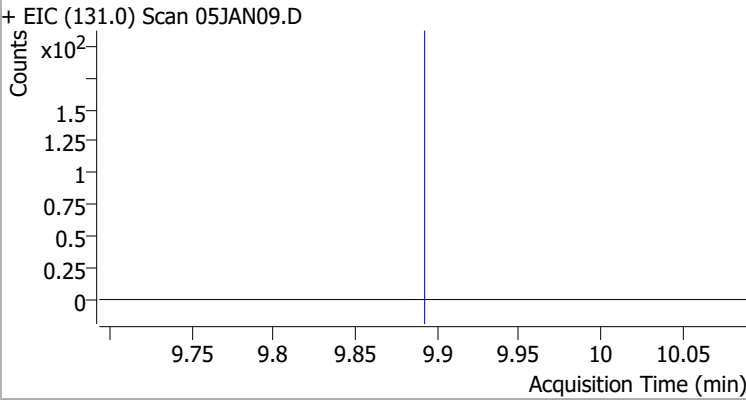
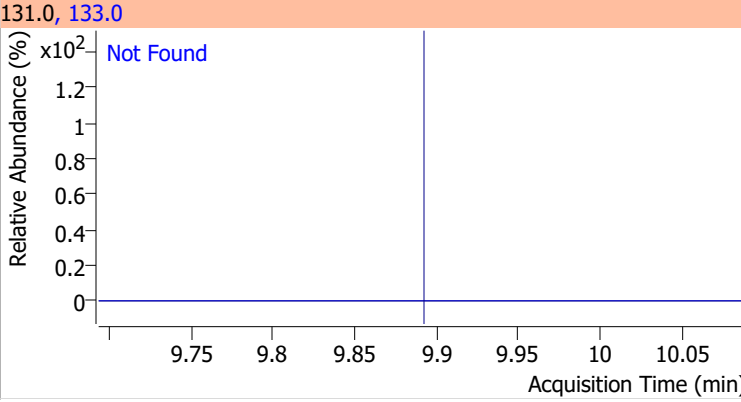
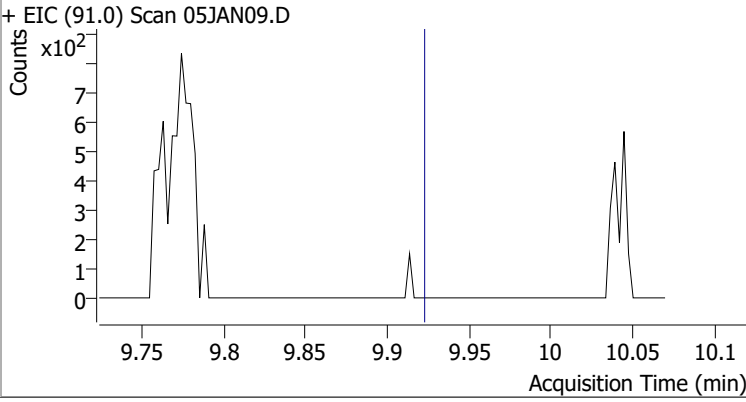
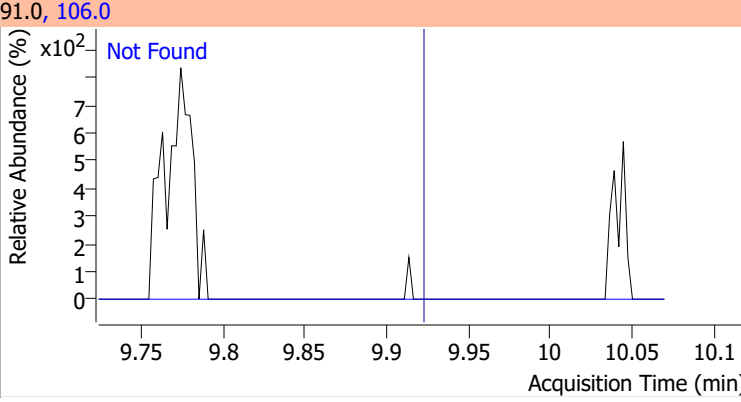
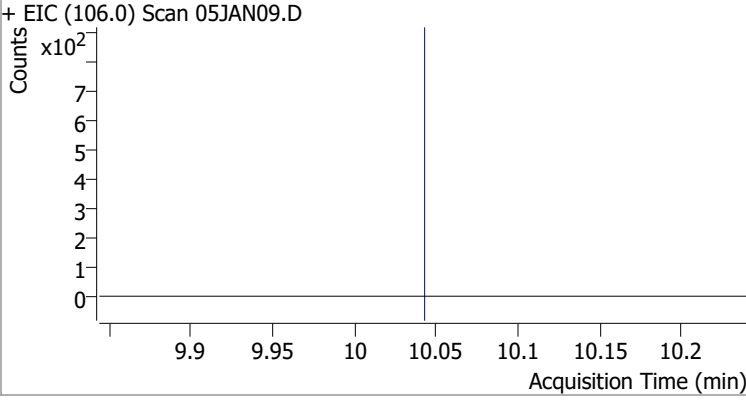
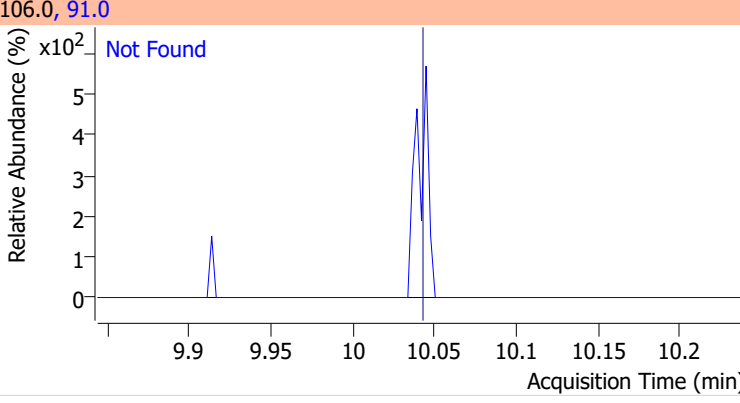
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |



# Quantitation Results Report (QT Reviewed)

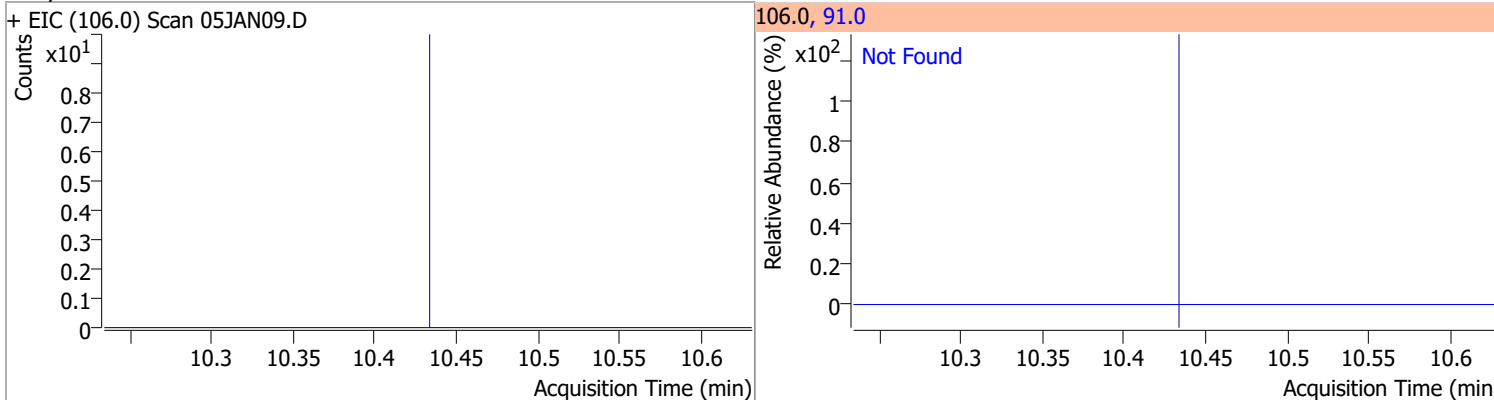
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Tetrachloroethene  | N.D.  | 8.94   | 165.8  | 128.6     | 129.0 | 91.5      |
| + EIC (163.8) Scan 05JAN09.D ***NO DATA POINTS***                                  |       |        | 163.8, 129.0, 165.8  |           |       |           |
|    |       |        |    |           |       |           |
| 1,3-Dichloropropane  | N.D.  | 8.98   | 78.0   | 32.9      |       |           |
| + EIC (76.0) Scan 05JAN09.D  |       |        | 76.0, 78.0   |           |       |           |
|   |       |        |   |           |       |           |
| Chlorodibromomethane   | N.D.  | 9.21   | 127.0  | 78.0      |       |           |
| + EIC (129.0) Scan 05JAN09.D   |       |        | 129.0, 127.0   |           |       |           |
|  |       |        |  |           |       |           |
| 1,2-Dibromoethane  | N.D.  | 9.31   | 109.0  | 94.5      |       |           |
| + EIC (107.0) Scan 05JAN09.D ***NO DATA POINTS***                                  |       |        | 107.0, 109.0   |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

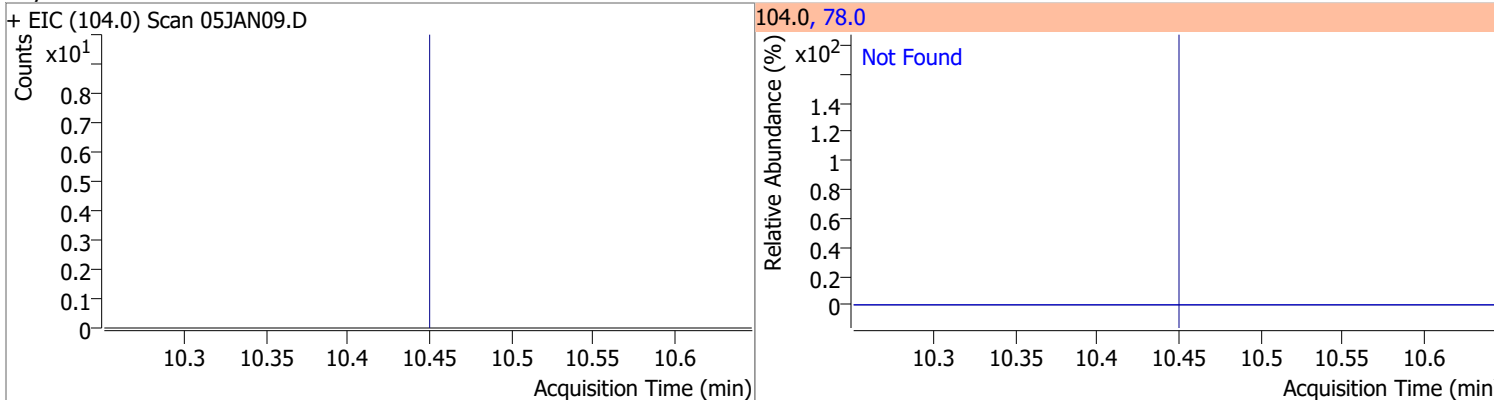
| Compound   | Conc. | Exp RT | QIon  | Exp Ratio |
|--|-------|--------|---|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0   | 32.1      |
| + EIC (112.0) Scan 05JAN09.D<br>   |       |        | 112.0, 114.0<br>  |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0   | 98.6      |
| + EIC (131.0) Scan 05JAN09.D<br>  |       |        | 131.0, 133.0<br> |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0   | 31.1      |
| + EIC (91.0) Scan 05JAN09.D<br>  |       |        | 91.0, 106.0<br> |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0  | 201.4     |
| + EIC (106.0) Scan 05JAN09.D<br> |       |        | 106.0, 91.0<br> |           |

# Quantitation Results Report (QT Reviewed)

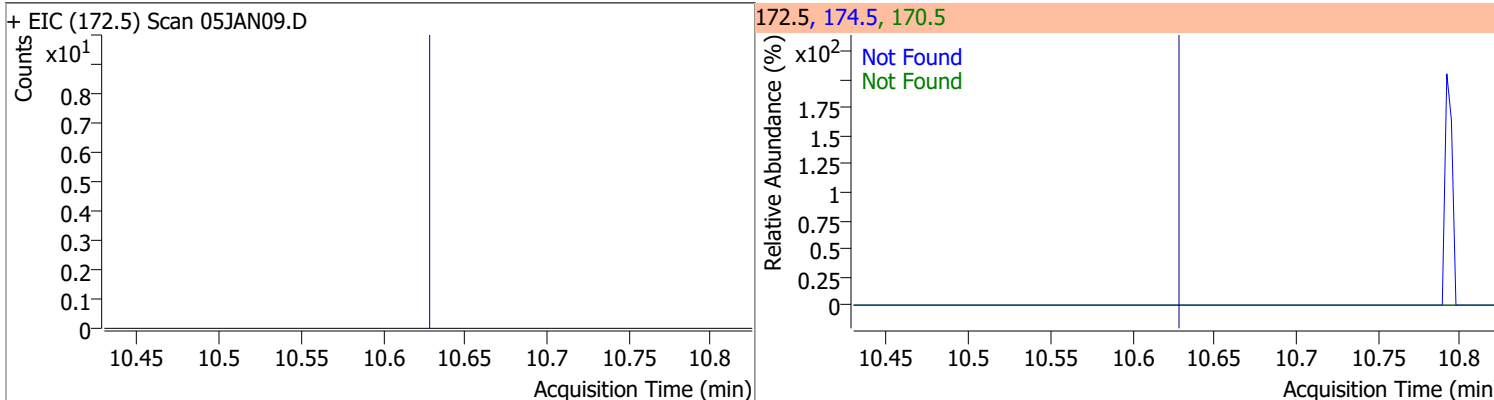
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| o-Xylene | N.D.  | 10.43  | 91.0 | 213.1     |



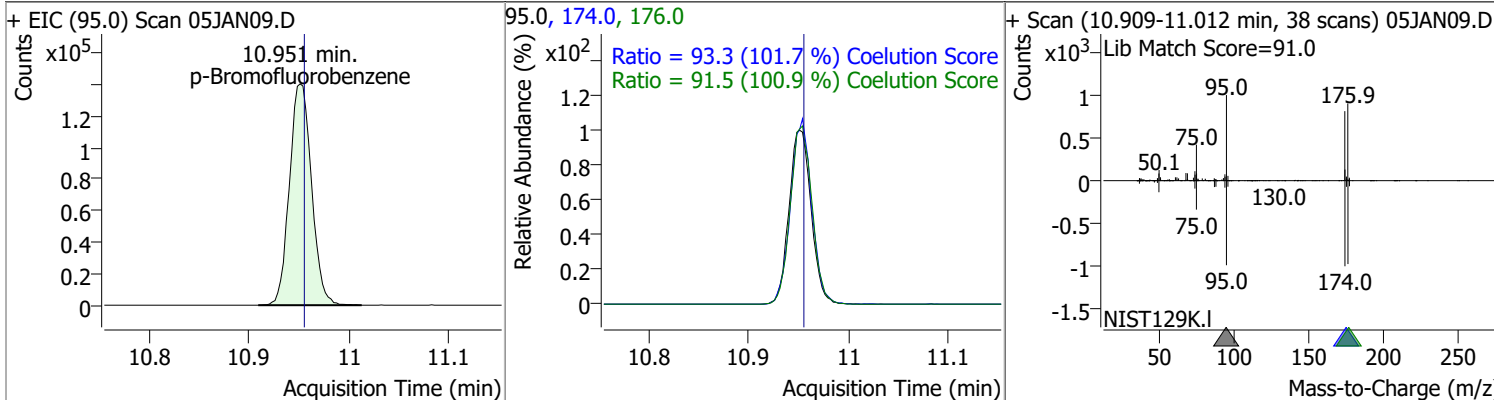
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Styrene  | N.D.  | 10.45  | 78.0 | 49.6      |



| Compound  | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-----------|-------|--------|-------|-----------|-------|-----------|
| Bromoform | N.D.  | 10.63  | 170.5 | 52.1      | 174.5 | 50.1      |



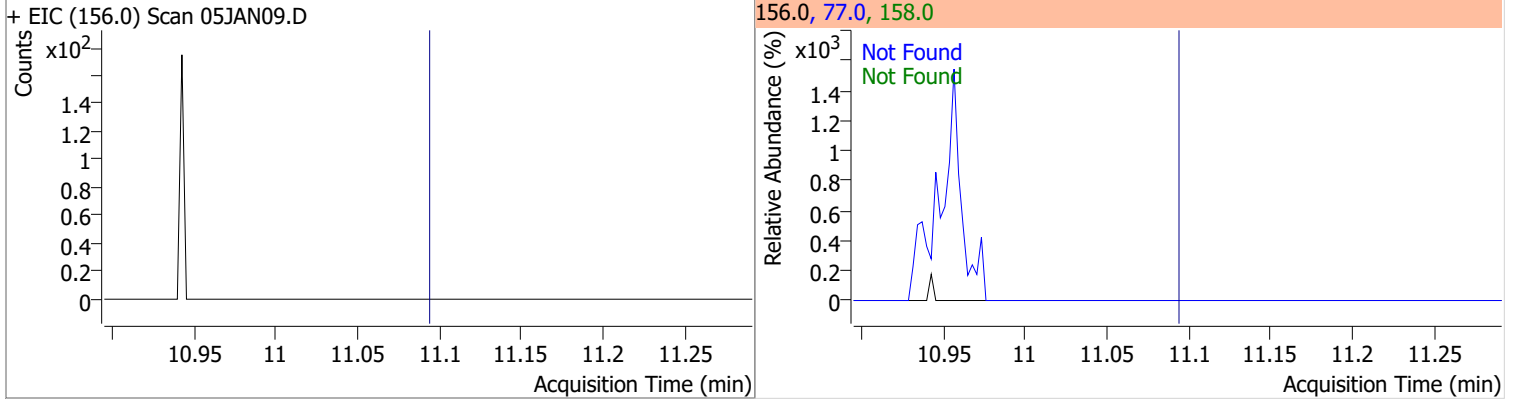
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 268.5403 | 10.95 | 0.00     | 214927 | 174.0 | 93.3   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 91.5   | 60.6  | 120.6 |



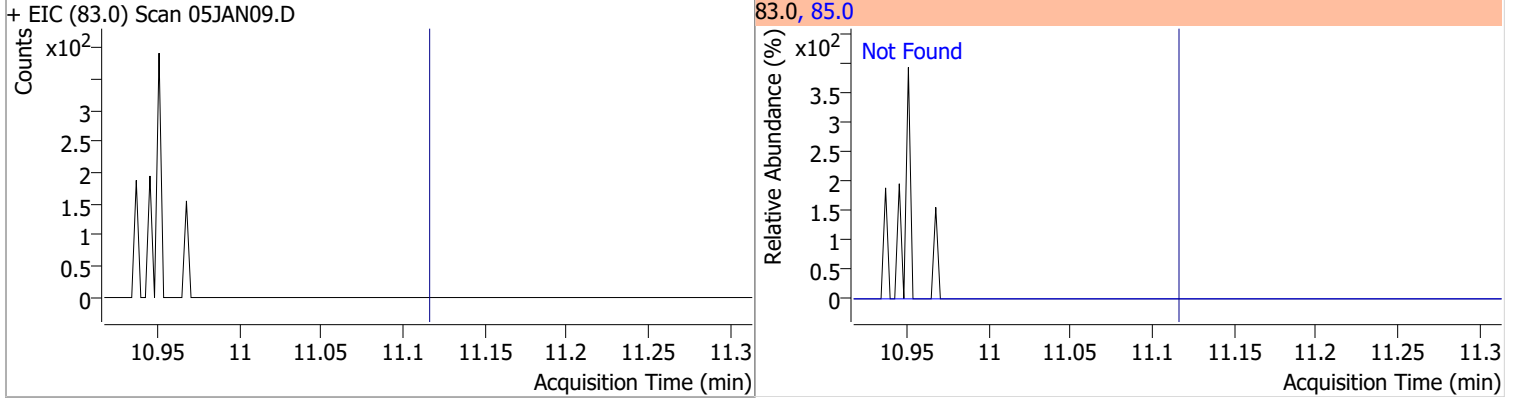


# Quantitation Results Report (QT Reviewed)

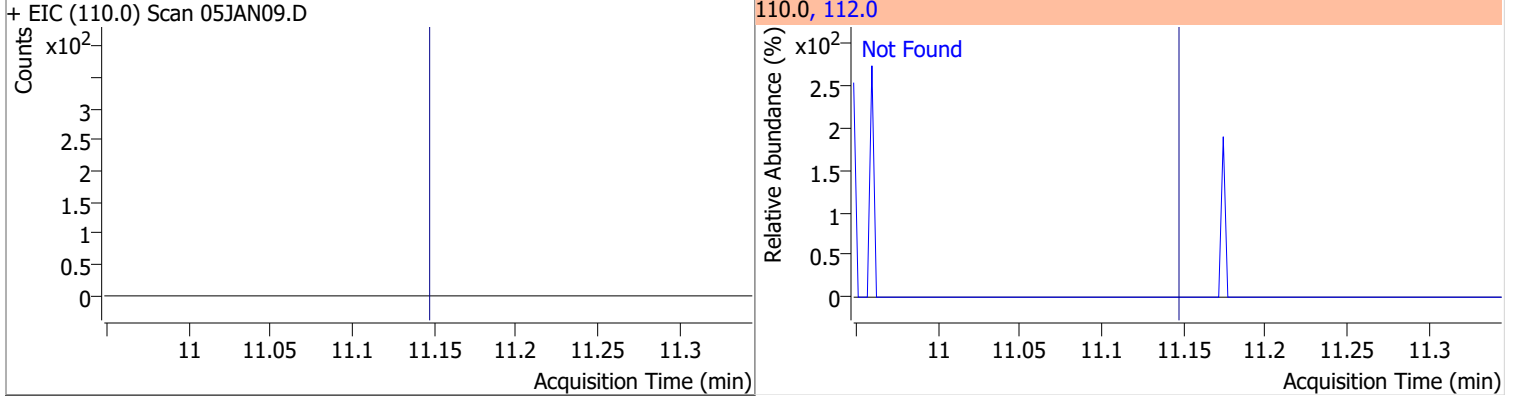
| Compound     | Conc. | Exp RT | QIon | Exp Ratio | QIon  | Exp Ratio |
|--------------|-------|--------|------|-----------|-------|-----------|
| Bromobenzene | N.D.  | 11.09  | 77.0 | 145.7     | 158.0 | 96.5      |



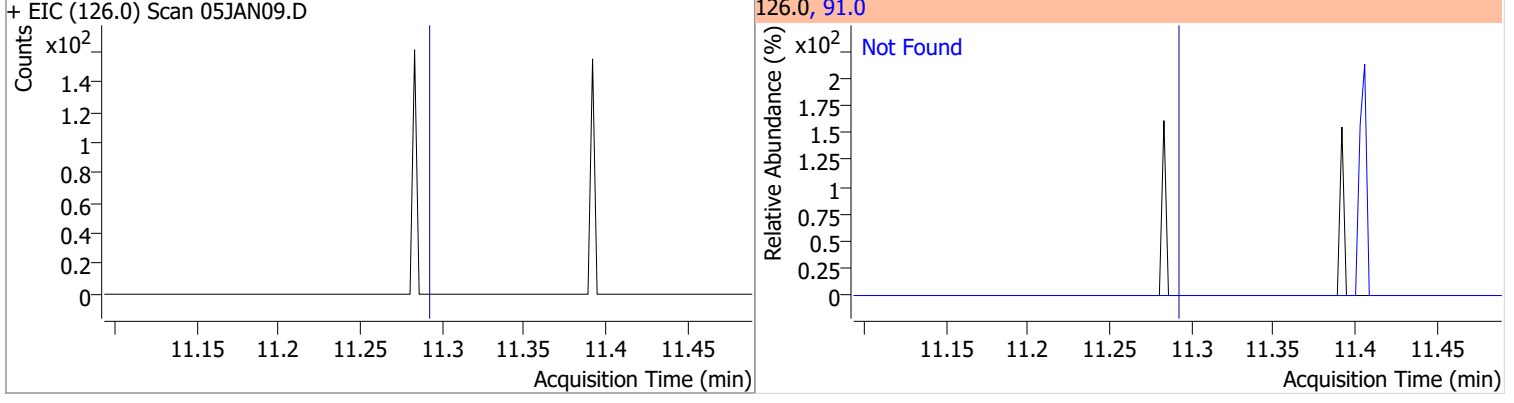
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|
| 1,1,2,2-Tetrachloroethane | N.D.  | 11.12  | 85.0 | 66.2      |



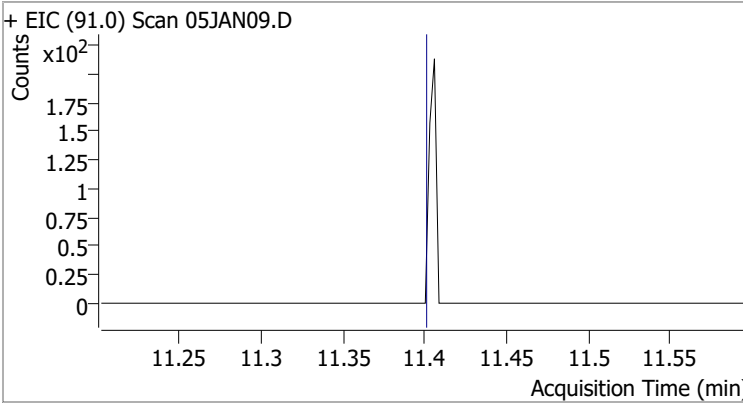
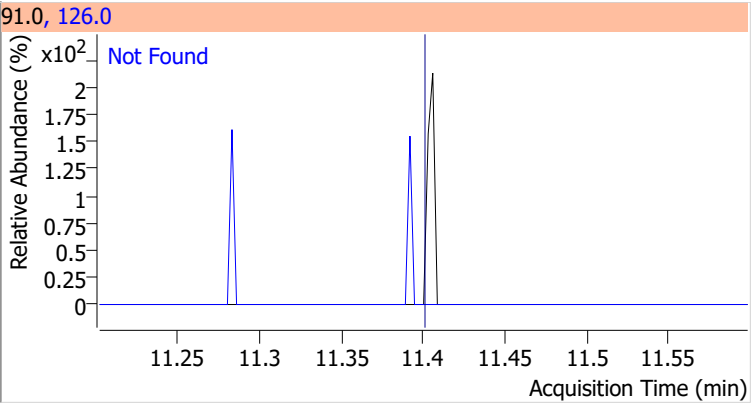
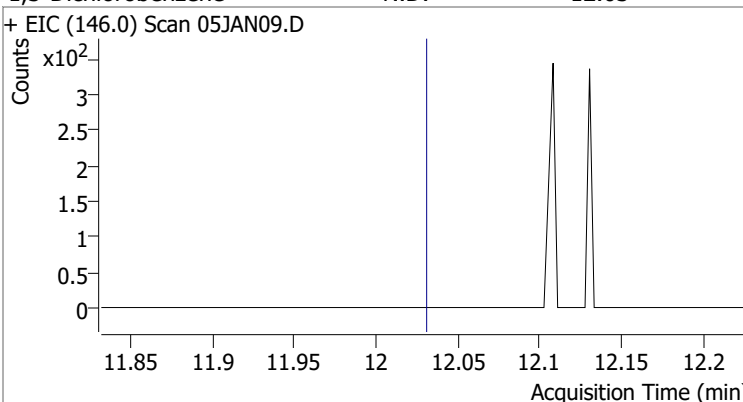
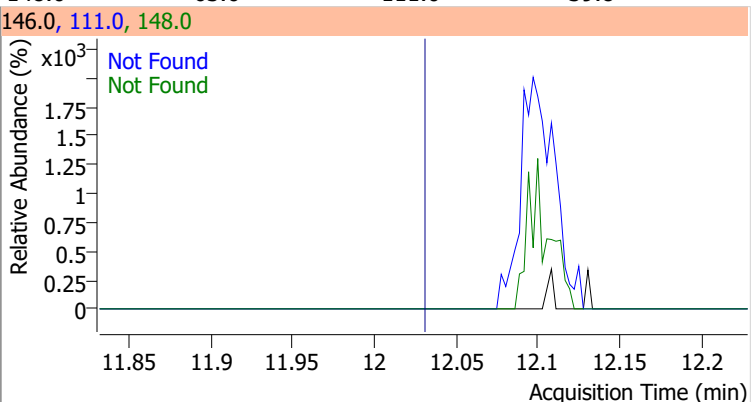
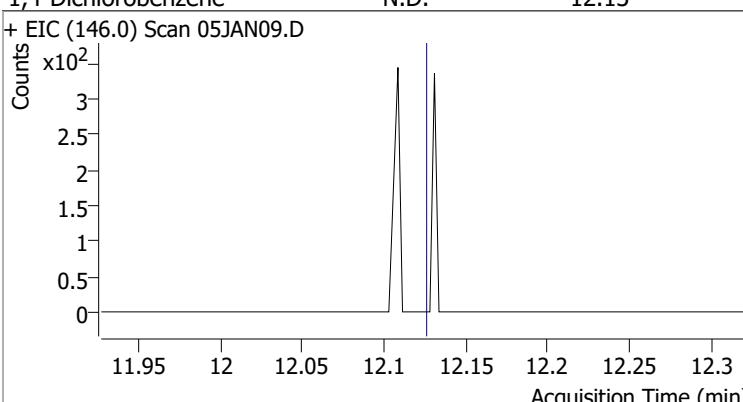
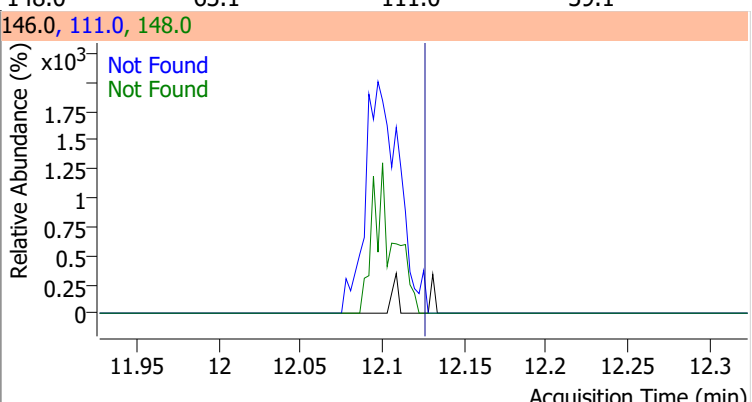
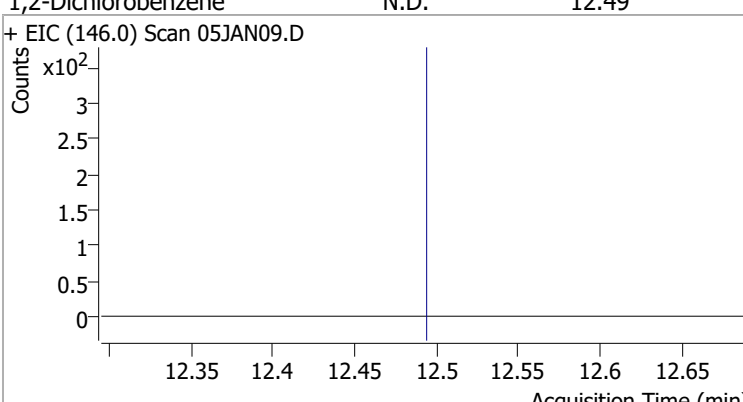
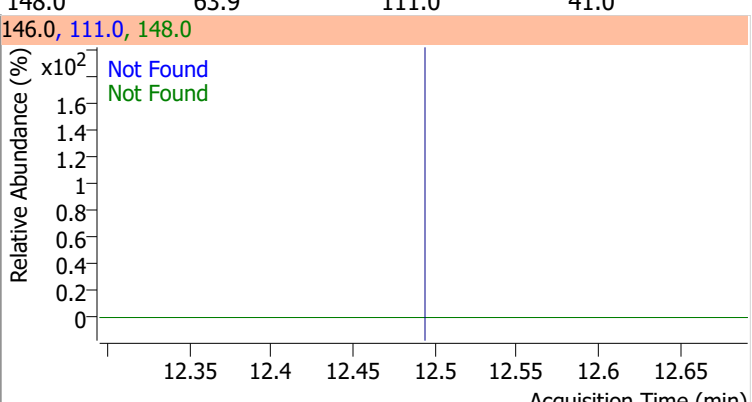
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| 1,2,3-Trichloropropane | N.D.  | 11.15  | 112.0 | 63.5      |



| Compound        | Conc. | Exp RT | QIon | Exp Ratio |
|-----------------|-------|--------|------|-----------|
| 2-Chlorotoluene | N.D.  | 11.29  | 91.0 | 282.3     |

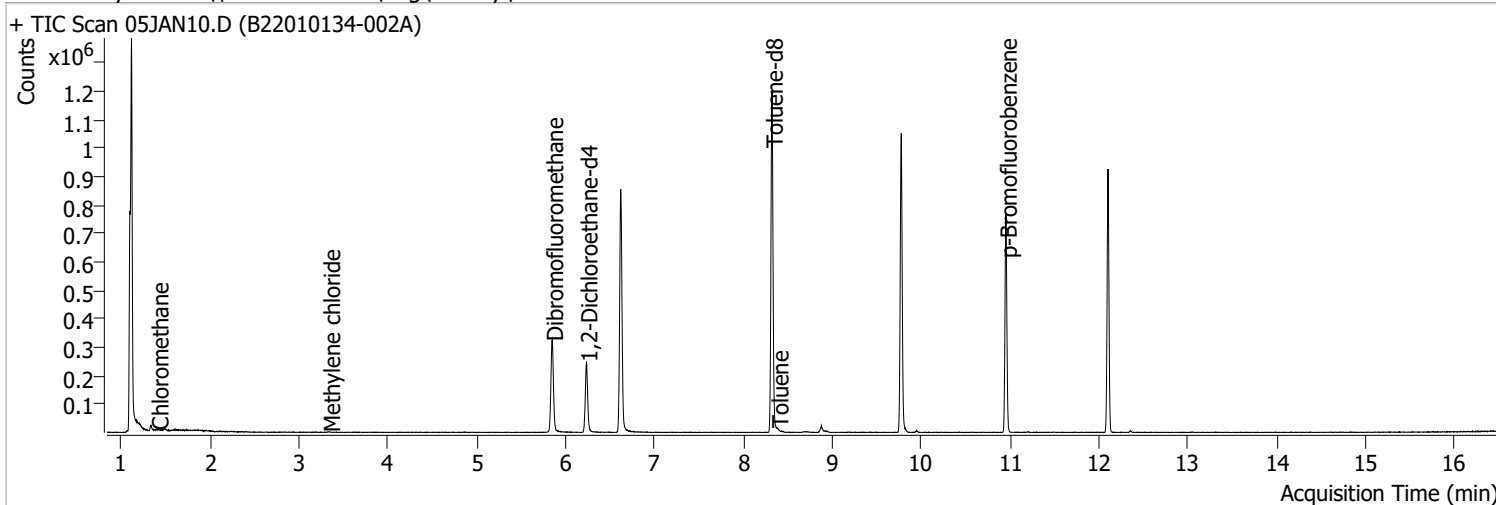


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |  |  |
|--|-------|--------|--|-----------|------|-----------|--|--|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |  |  |
| + EIC (91.0) Scan 05JAN09.D  |       |        | 91.0, 126.0  |           |      |           |  |  |
|    |       |        |    |           |      |           |  |  |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |  |  |
| + EIC (146.0) Scan 05JAN09.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |  |  |
|   |       |        |   |           |      |           |  |  |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |  |  |
| + EIC (146.0) Scan 05JAN09.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |  |  |
|  |       |        |  |           |      |           |  |  |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |  |  |
| + EIC (146.0) Scan 05JAN09.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |  |  |
|  |       |        |  |           |      |           |  |  |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN10.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 2:11:00 PM   |
| Sample Name    | B22010134-002A                      | Instrument        | VOA5975C              |
| Vial           | 10                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.618                | 96.0  | 727308 | 250.0000           | ng    | -0.006   |
| M Chlorobenzene-d5                 | 9.772                | 82.0  | 281773 | 250.0000           | ng    | 0.000    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 213658 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 192021 | 280.2417           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 112.10% |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 84898  | 286.8601           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 114.74% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 729899 | 268.8089           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 107.52% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 215264 | 275.0138           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 110.01% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.409                | 50.0  | 1273   | 1.1003             | ng    | m 85     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.338                | 49.0  | 1248   | 1.1560             | ng    | m 83     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 0.000                |       | 0      | N.D.               |       |          |

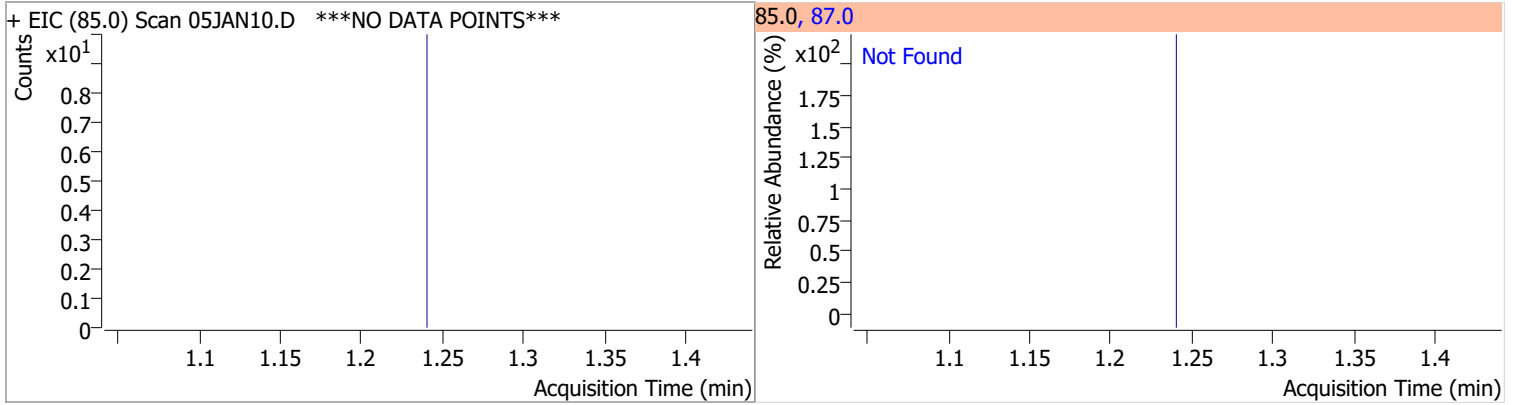
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.  | Units |    | Dev(Min) |
|-----------------------------|--------|-------|-------|--------|-------|----|----------|
| T 1,1,1-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |    |          |
| T Carbon tetrachloride      | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1-Dichloropropene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Benzene                   | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichloroethane        | 0.000  |       | 0     | N.D.   |       |    |          |
| T Trichloroethene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Dibromomethane            | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromodichloromethane      | 0.000  |       | 0     | N.D.   |       |    |          |
| T cis-1,3-Dichloropropene   | 0.000  |       | 0     | N.D.   |       |    |          |
| T Toluene                   | 8.380  | 92.0  | 1581  | 0.8620 | ng    | m  | 99       |
| T trans-1,3-Dichloropropene | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,2-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |    |          |
| T Tetrachloroethene         | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Chlorodibromomethane      | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dibromoethane         | 0.000  |       | 0     | N.D.   |       |    |          |
| T Chlorobenzene             | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,1,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |    |          |
| T Ethylbenzene              | 0.000  |       | 0     | N.D.   |       |    |          |
| T m+p-Xylenes               | 10.042 | 106.0 | 0     |        | ng    | md | 1        |
| T o-Xylene                  | 0.000  |       | 0     | N.D.   |       |    |          |
| T Styrene                   | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromoform                 | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromobenzene              | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,2,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.   |       |    |          |
| T 2-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 4-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,4-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |

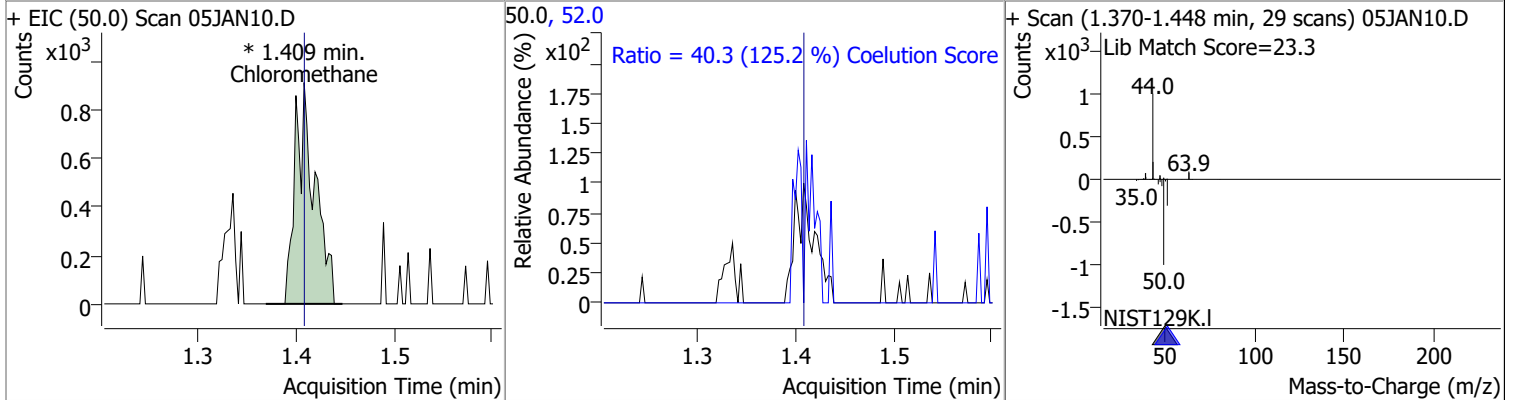
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

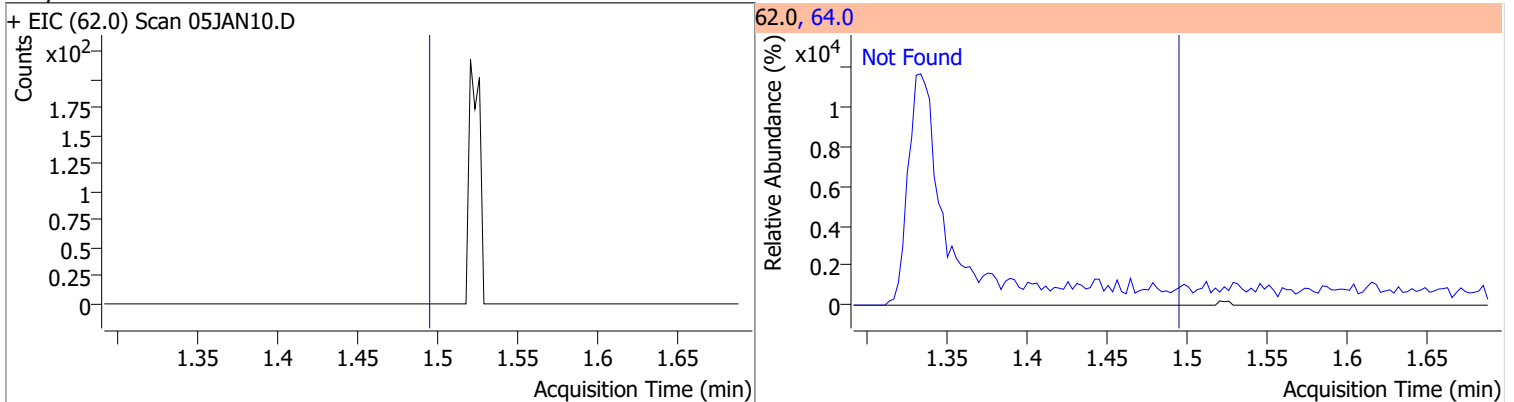
| Compound                | Conc. | Exp RT | QIon | Exp Ratio |
|-------------------------|-------|--------|------|-----------|
| Dichlorodifluoromethane | N.D.  | 1.24   | 87.0 | 32.3      |



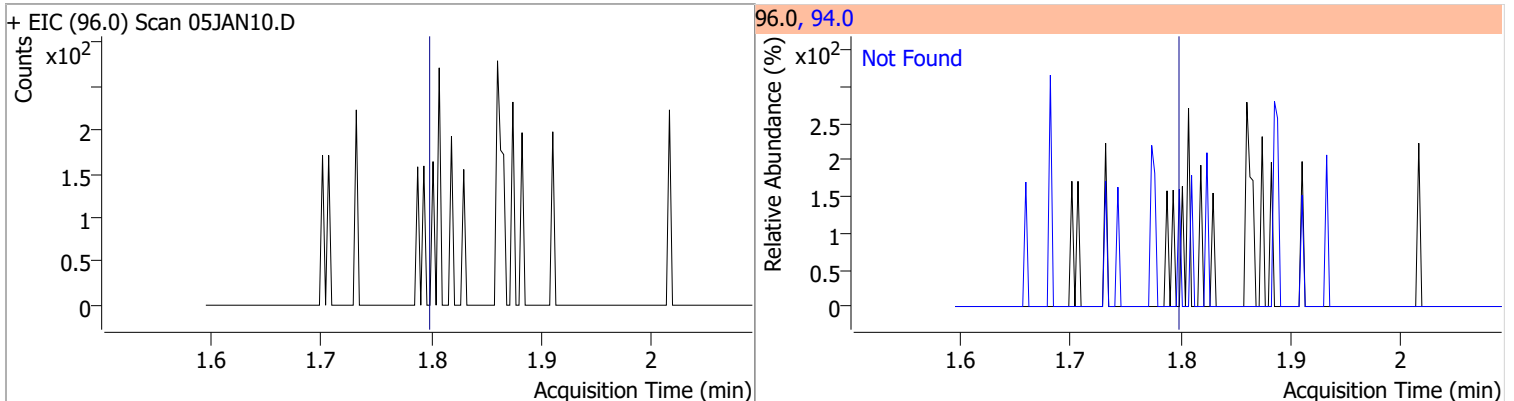
| Compound      | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|----------|------|--------|-------|-------|
| Chloromethane | 1.1003 | 1.41 | 0.00     | 1273 (m) | 52.0 | 40.3   | 2.1   | 62.1  |



| Compound       | Conc. | Exp RT | QIon | Exp Ratio |
|----------------|-------|--------|------|-----------|
| Vinyl chloride | N.D.  | 1.50   | 64.0 | 29.9      |

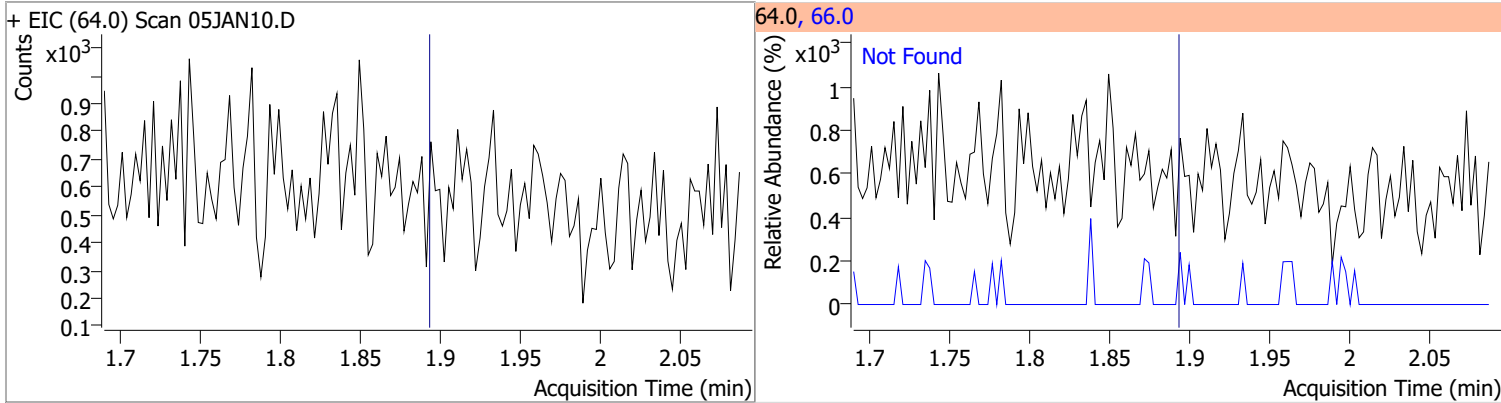


| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Bromomethane | N.D.  | 1.80   | 94.0 | 104.6     |

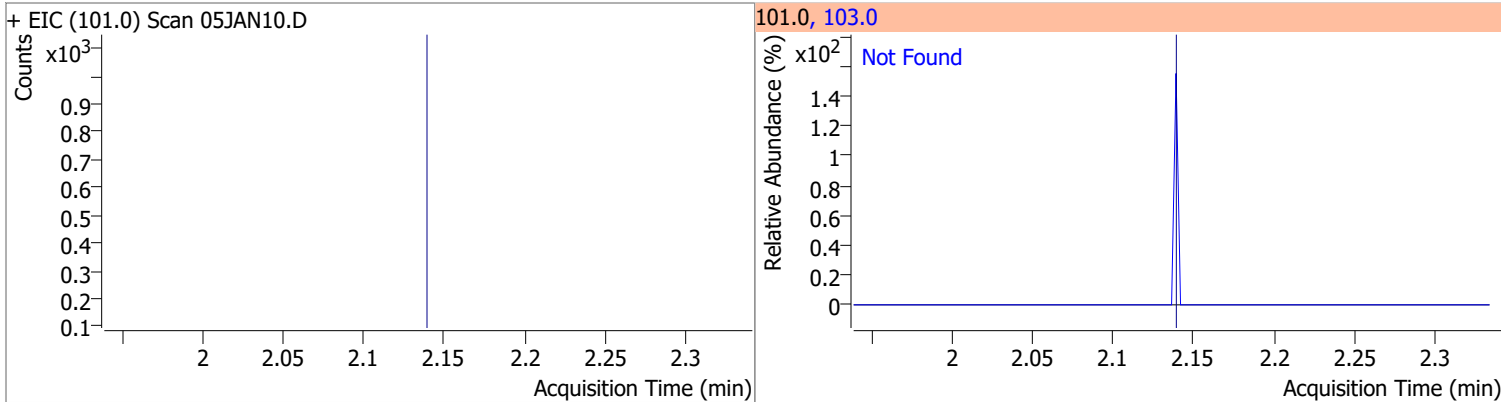


# Quantitation Results Report (QT Reviewed)

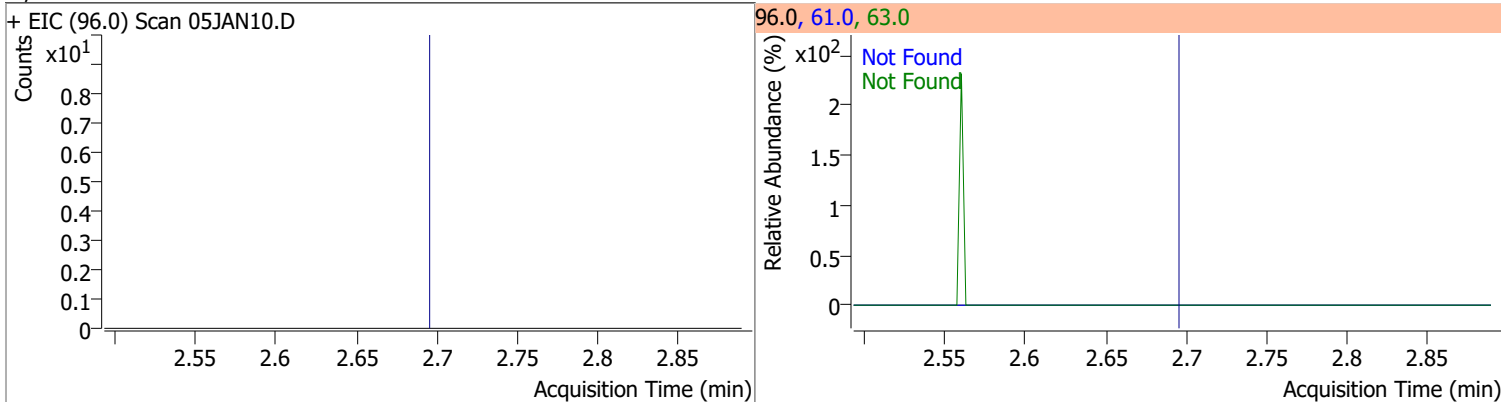
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



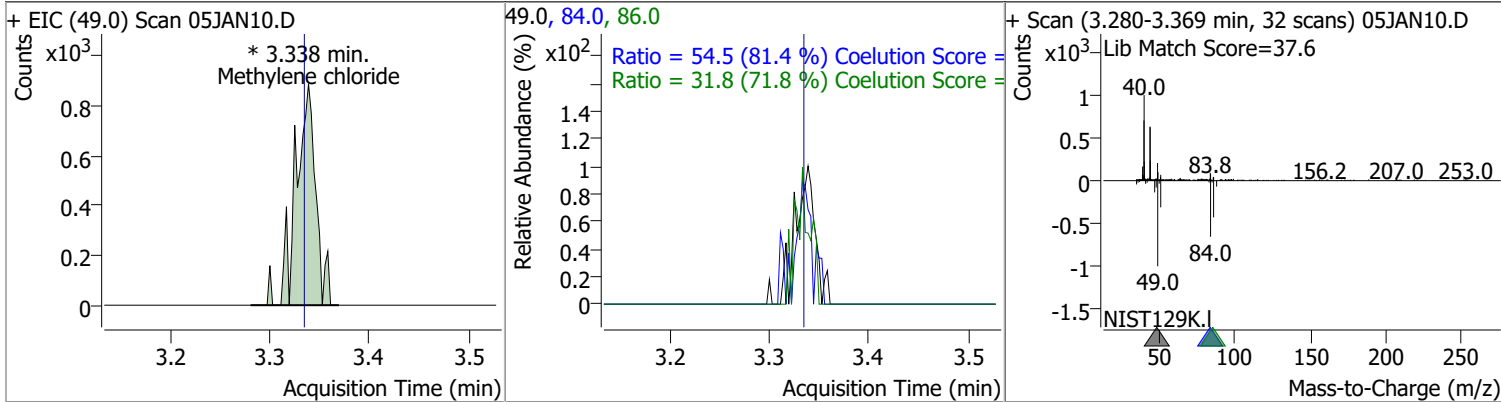
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

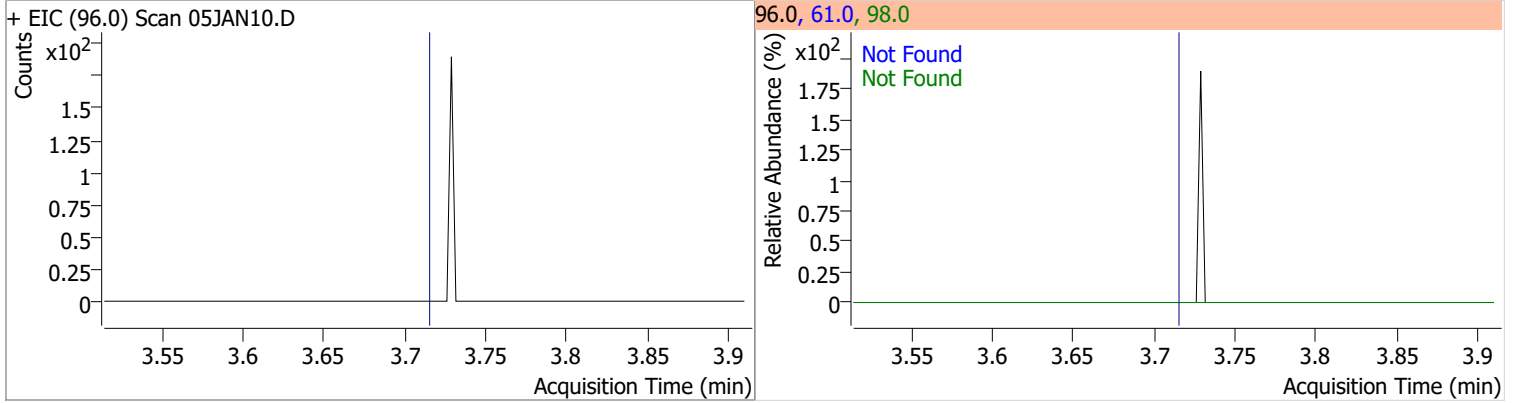


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.1560 | 3.34 | 0.00     | 1248 (m) | 84.0 | 54.5   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 31.8   | 14.3  | 74.3  |

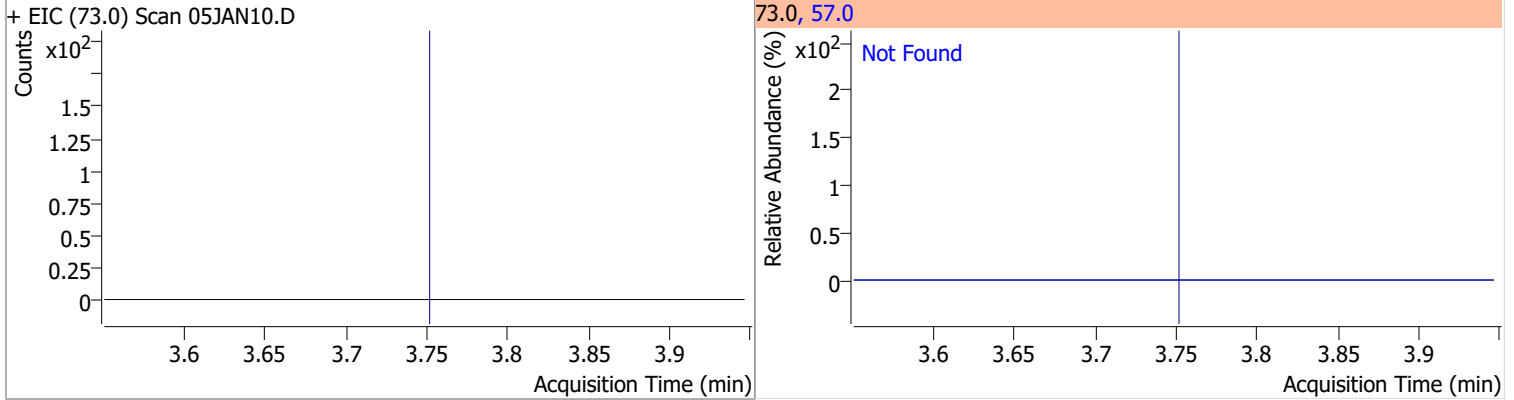


# Quantitation Results Report (QT Reviewed)

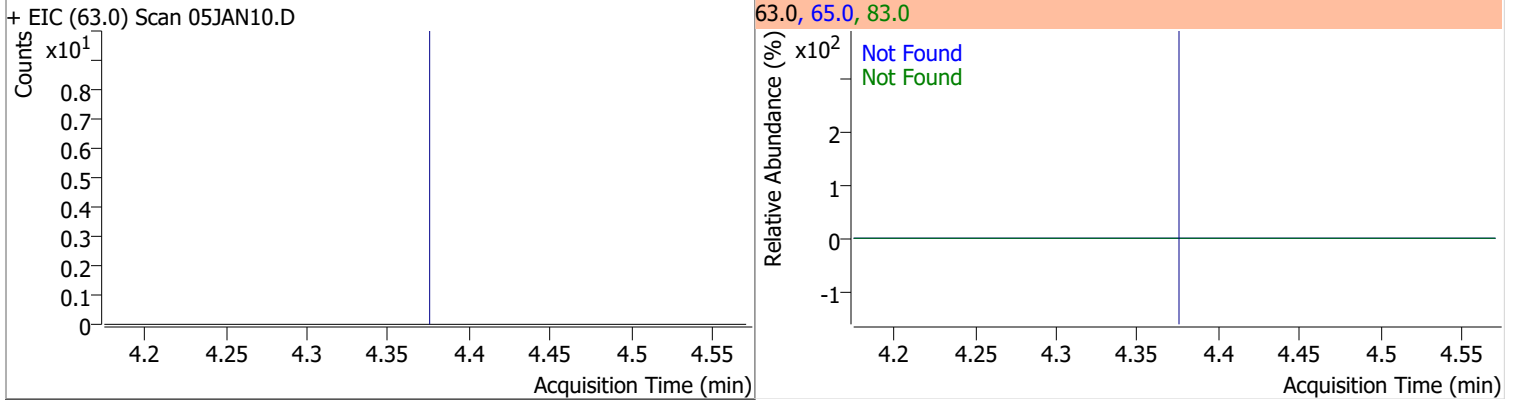
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



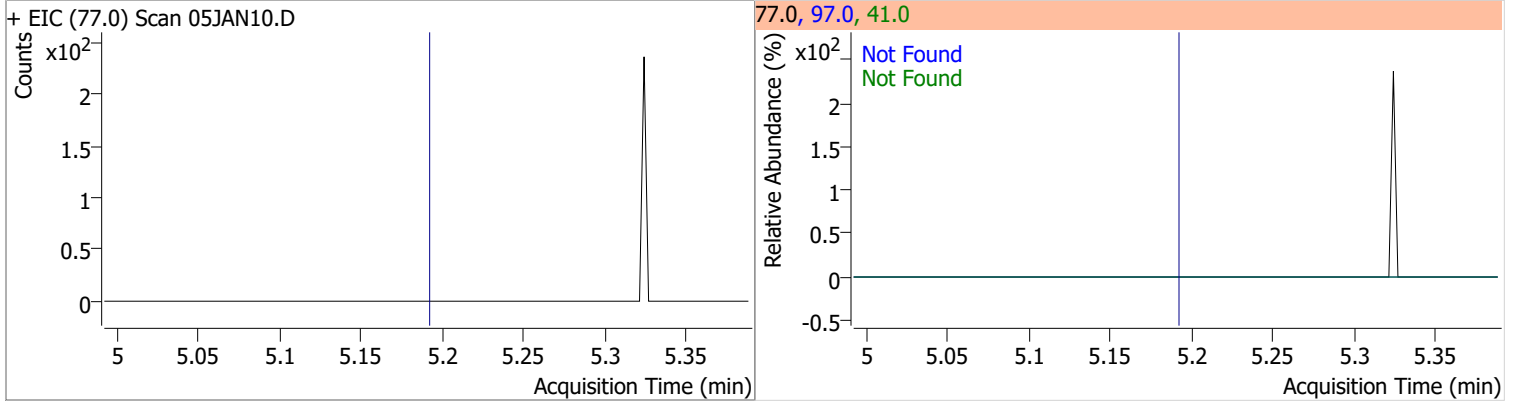
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



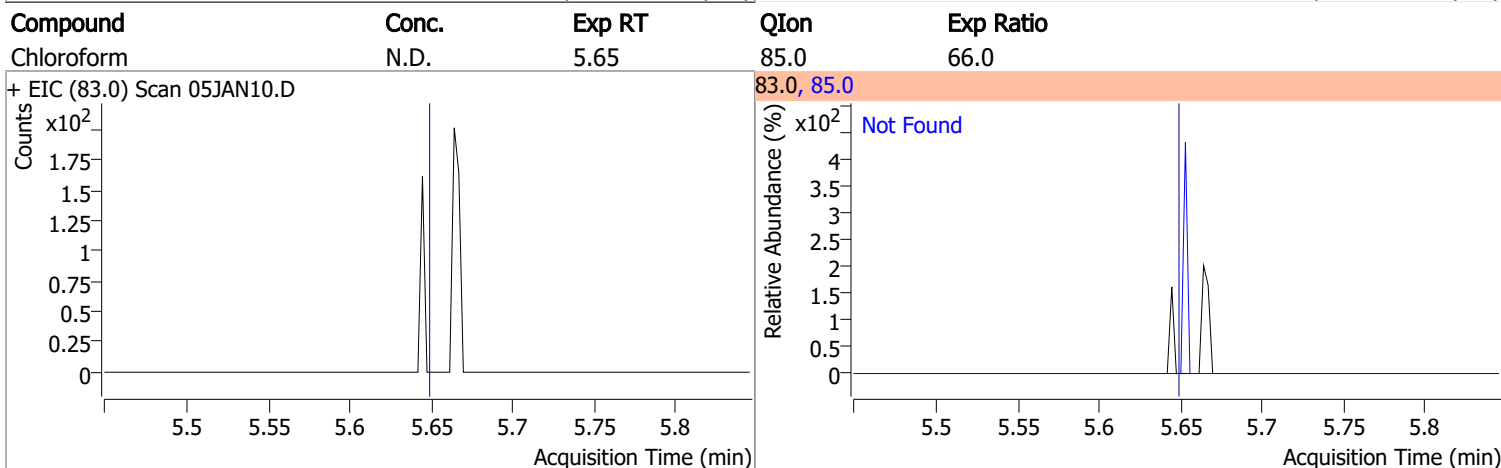
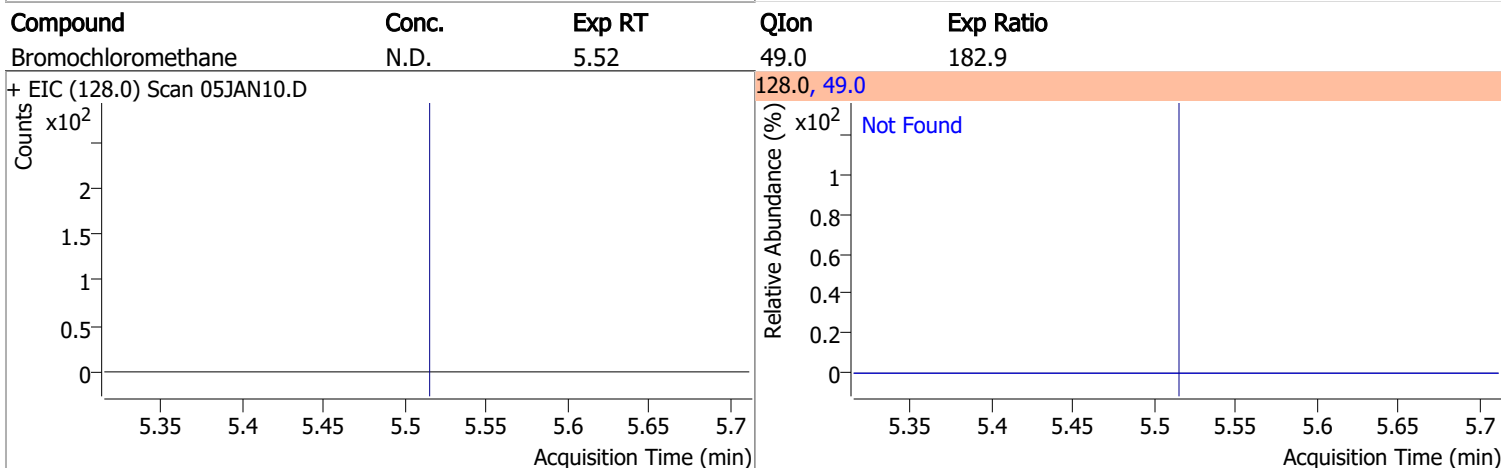
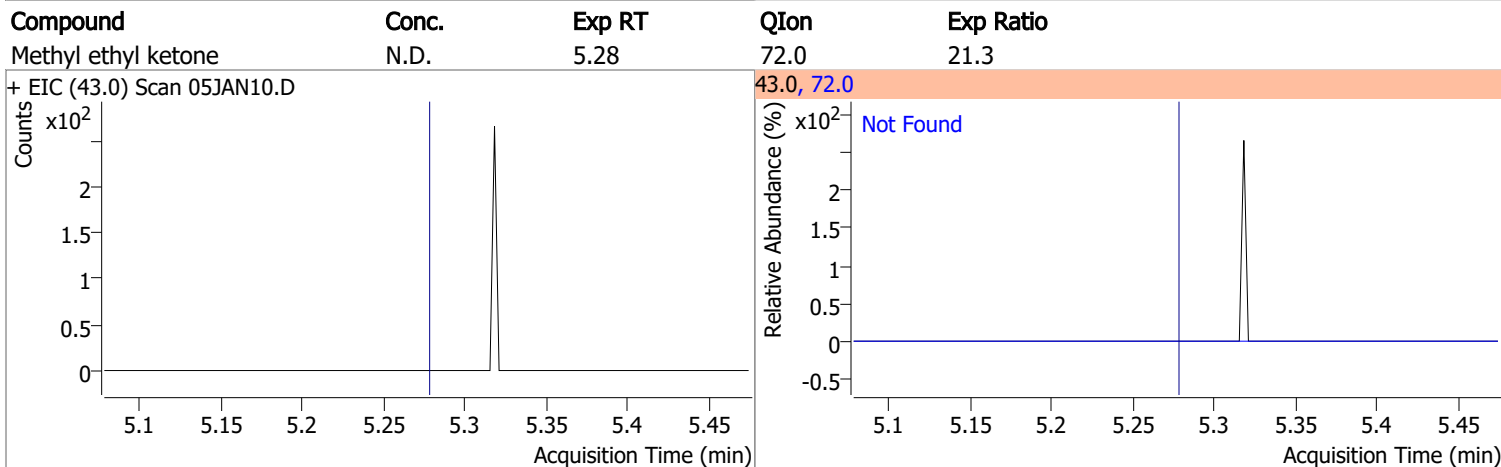
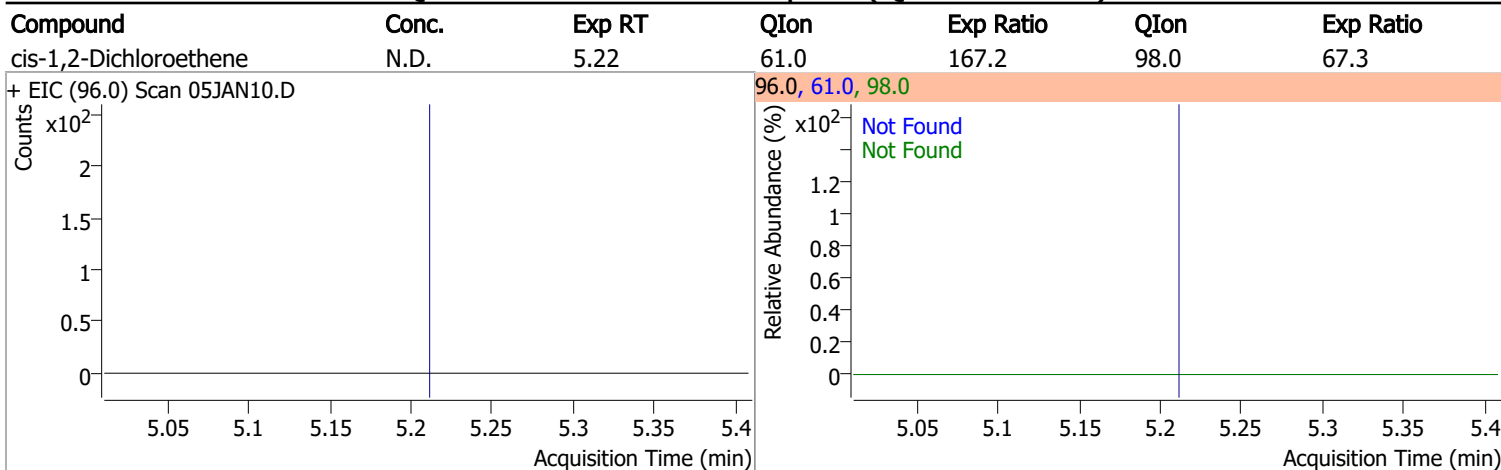
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |



| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

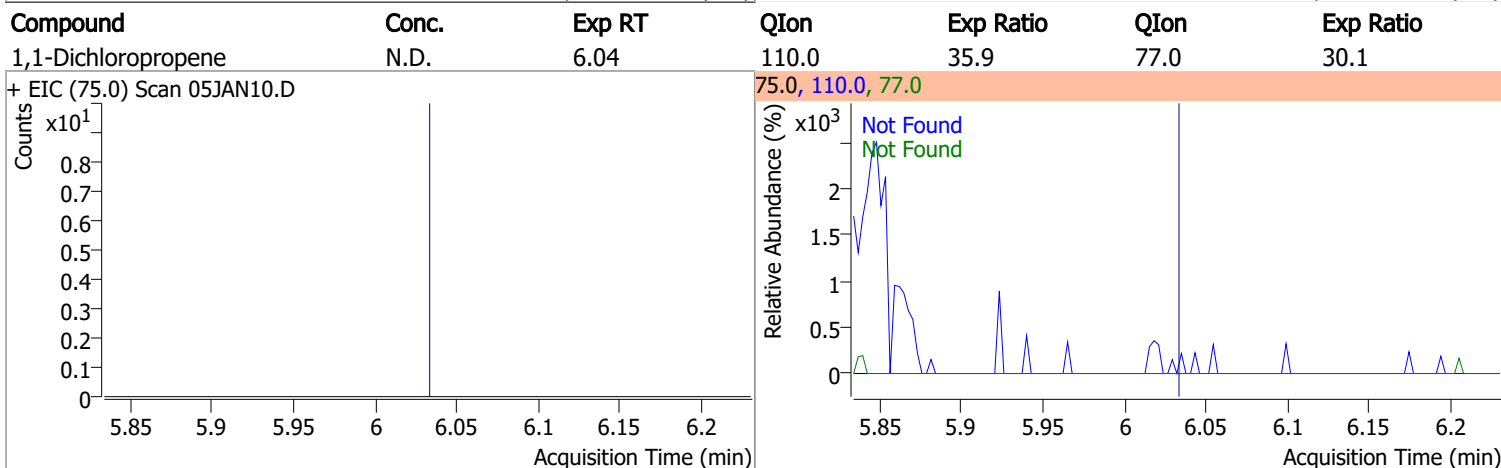
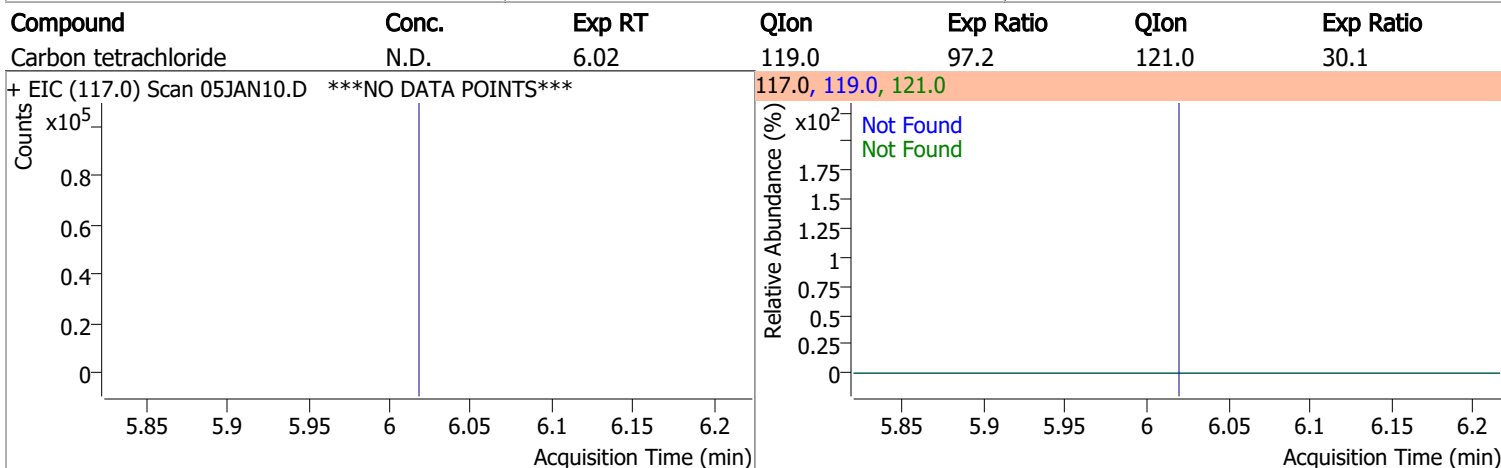
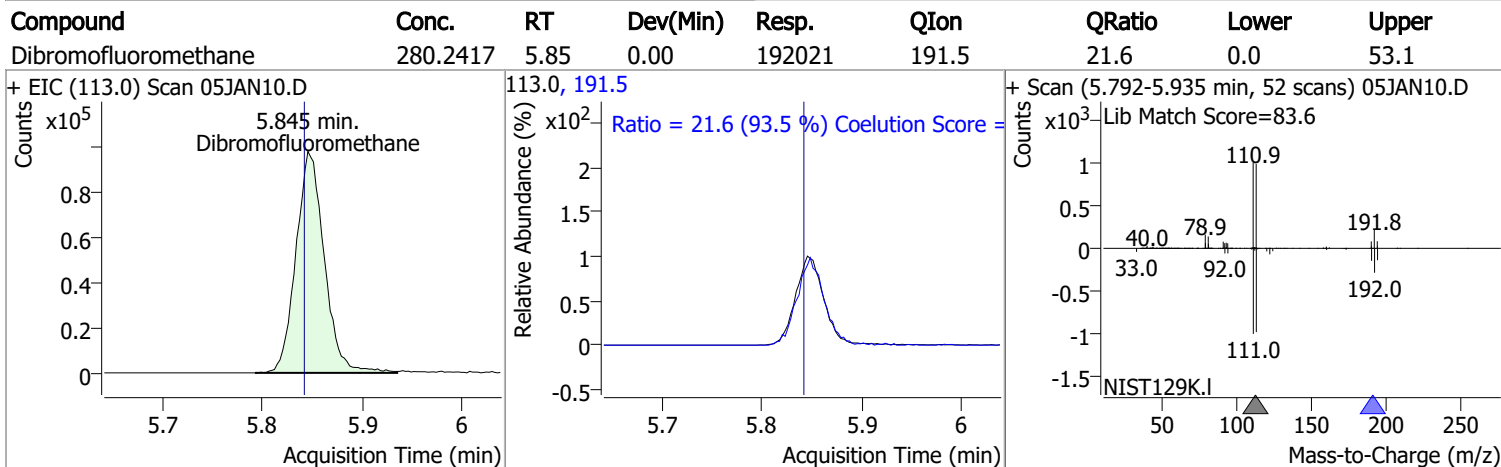
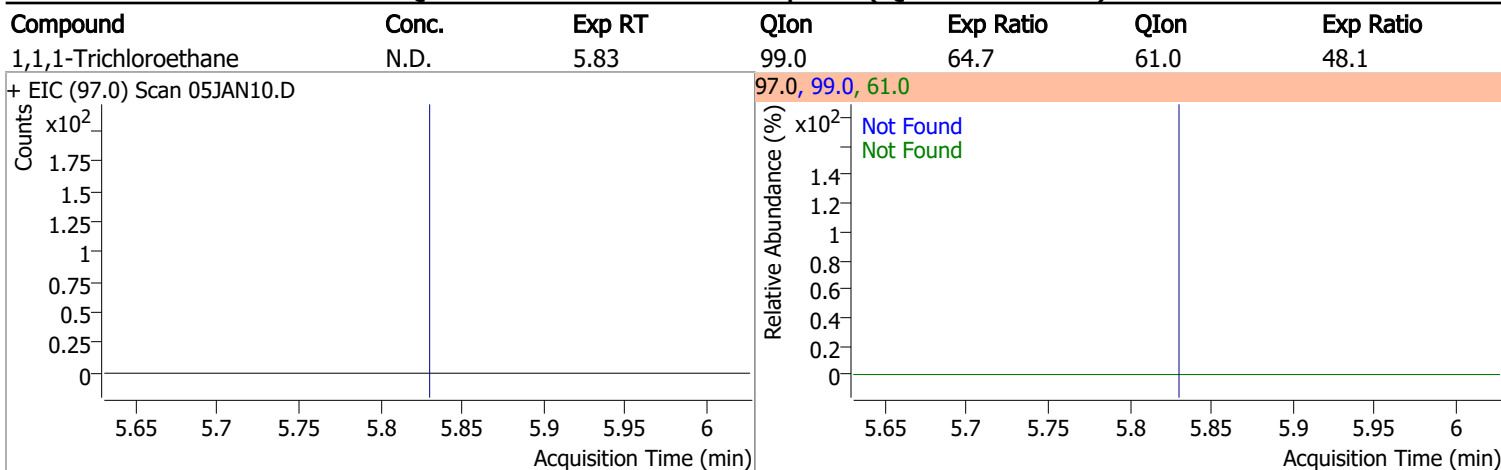


# Quantitation Results Report (QT Reviewed)



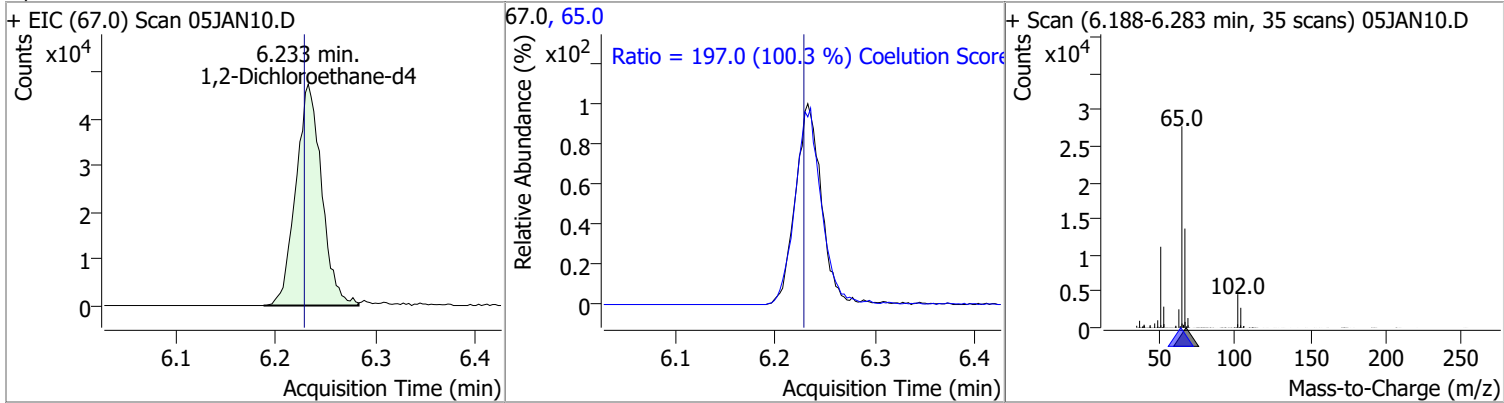


# Quantitation Results Report (QT Reviewed)

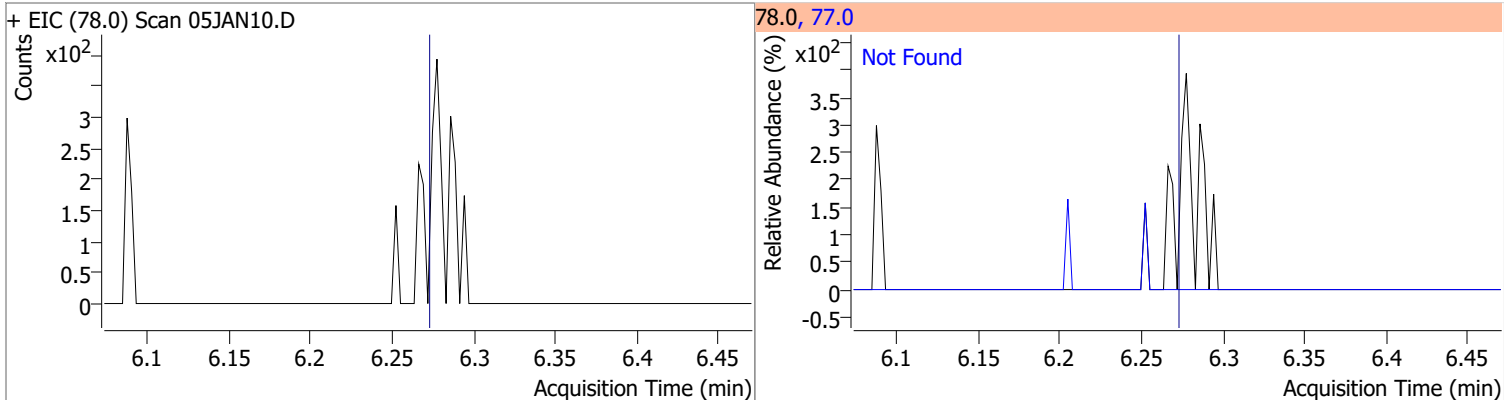


# Quantitation Results Report (QT Reviewed)

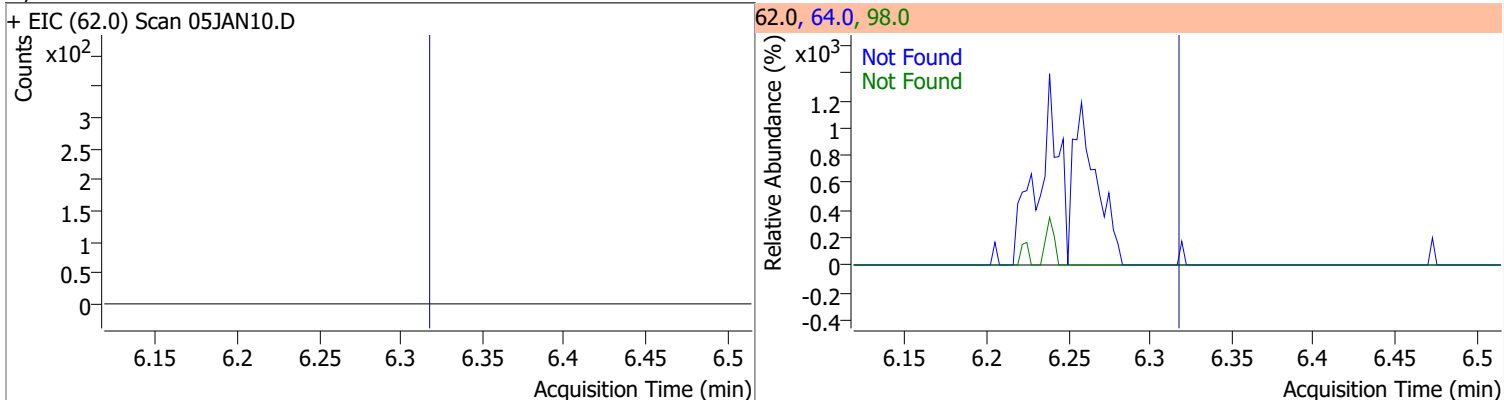
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 286.8601 | 6.23 | 0.00     | 84898 | 65.0 | 197.0  | 166.5 | 226.5 |



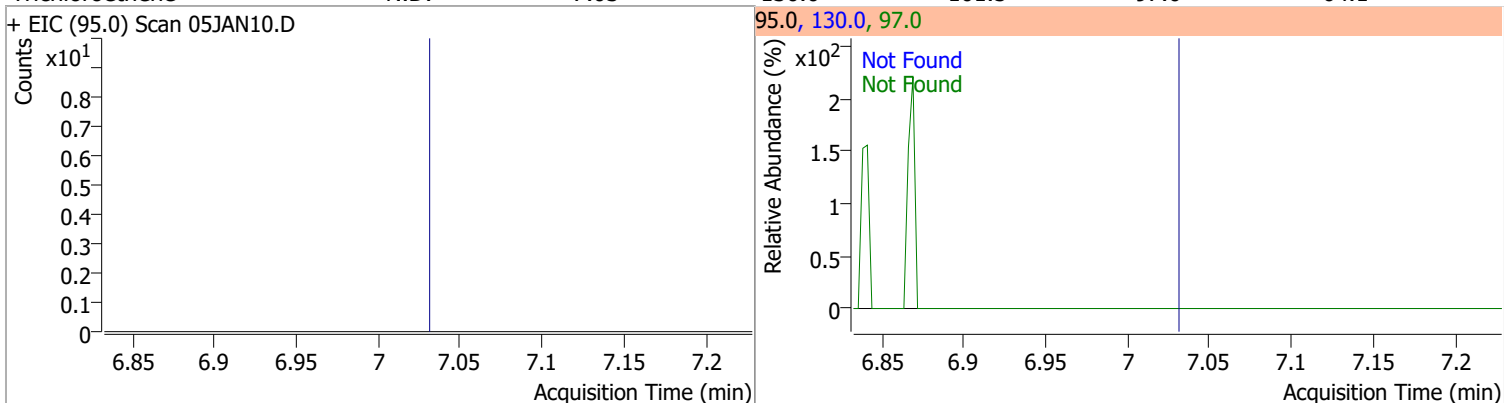
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



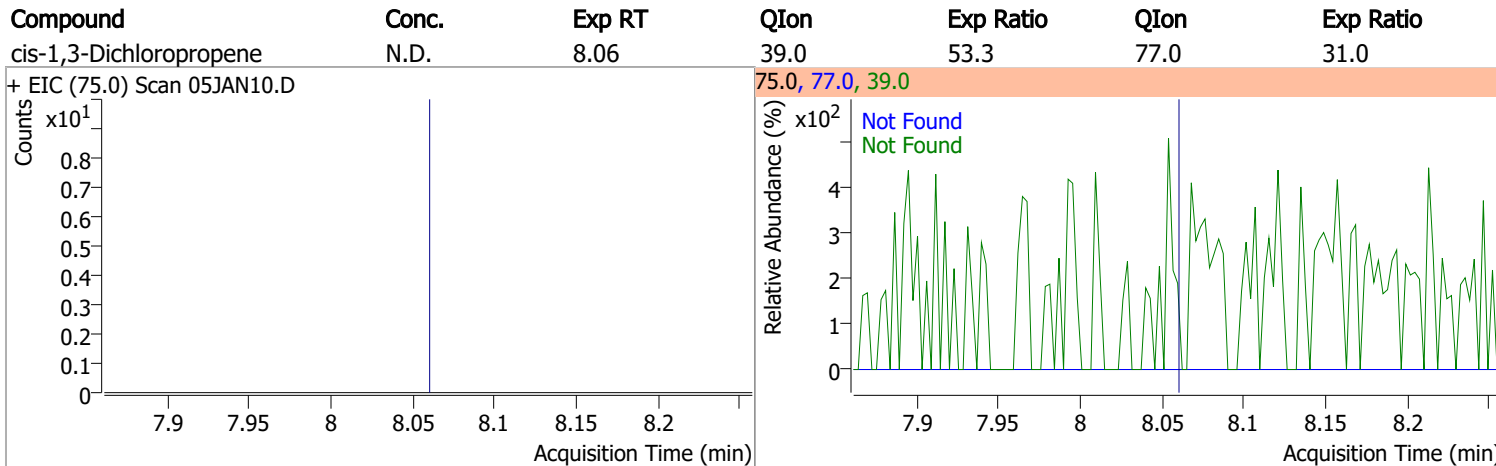
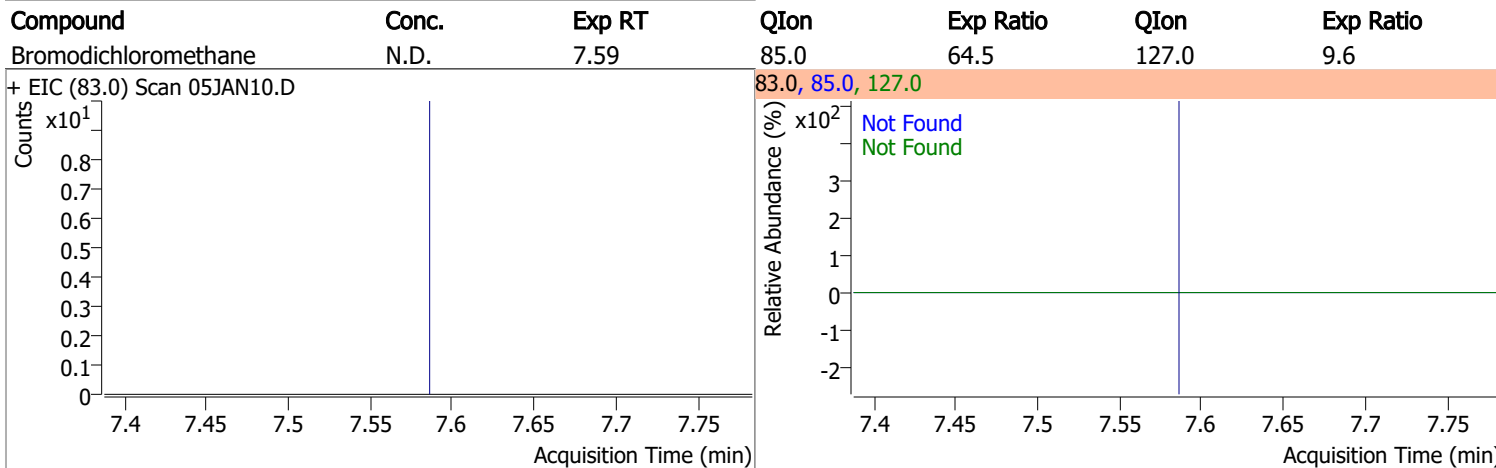
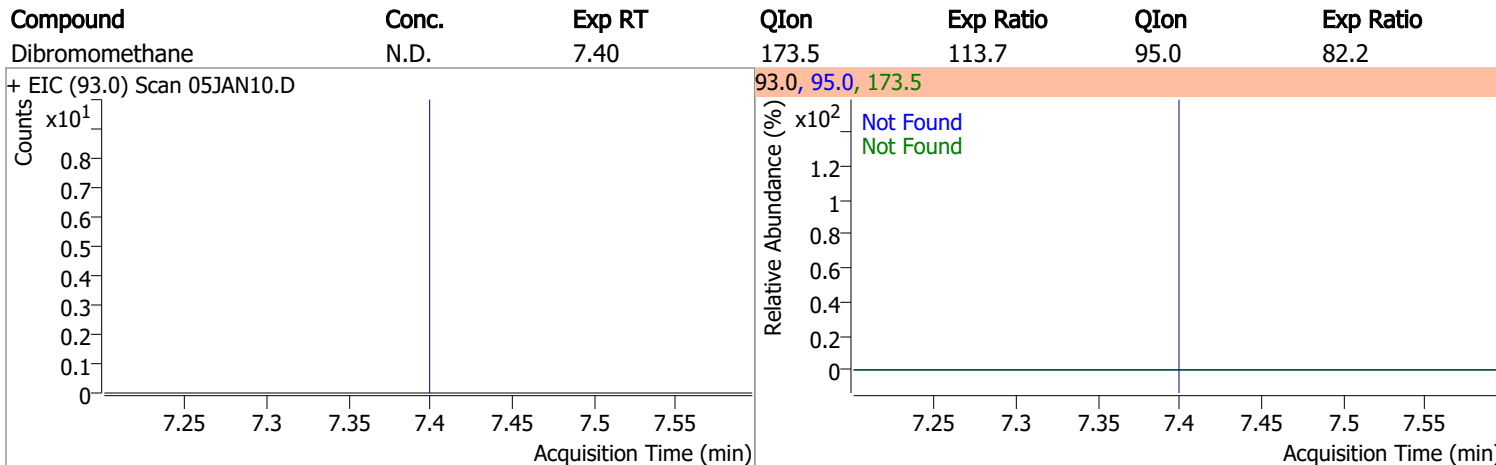
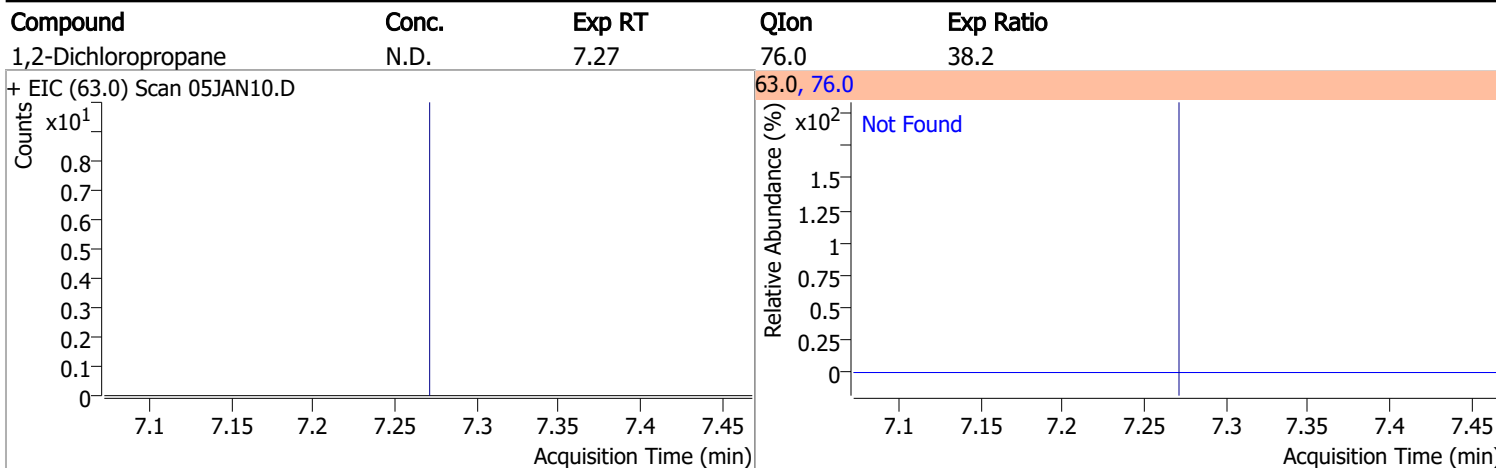
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

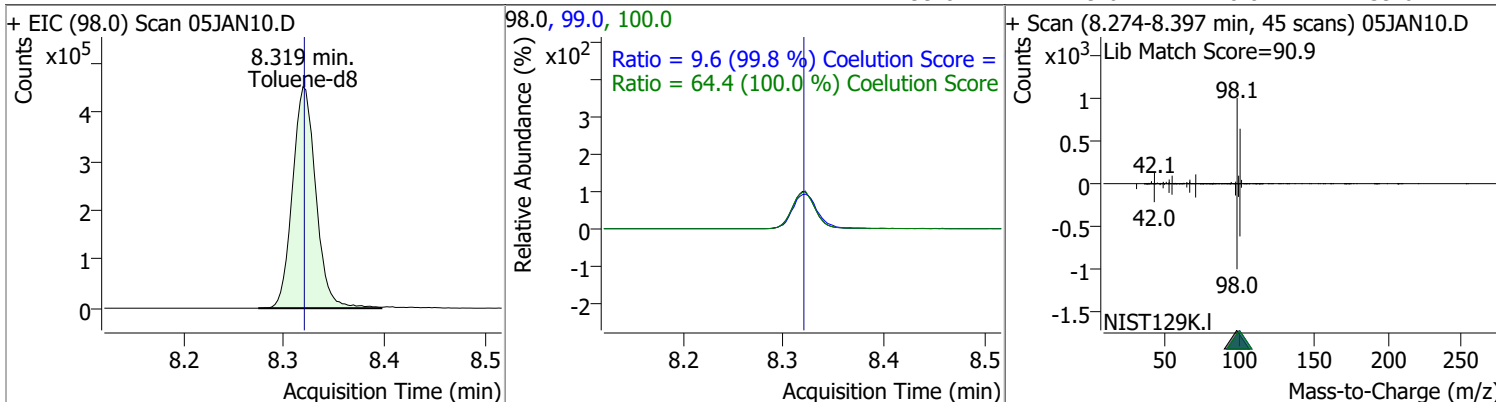


# Quantitation Results Report (QT Reviewed)

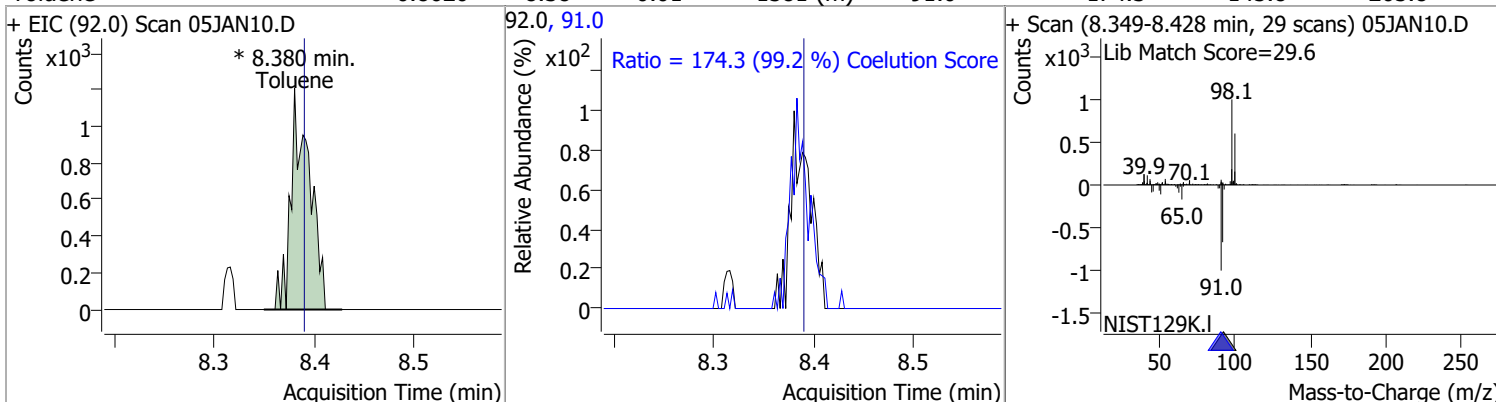


# Quantitation Results Report (QT Reviewed)

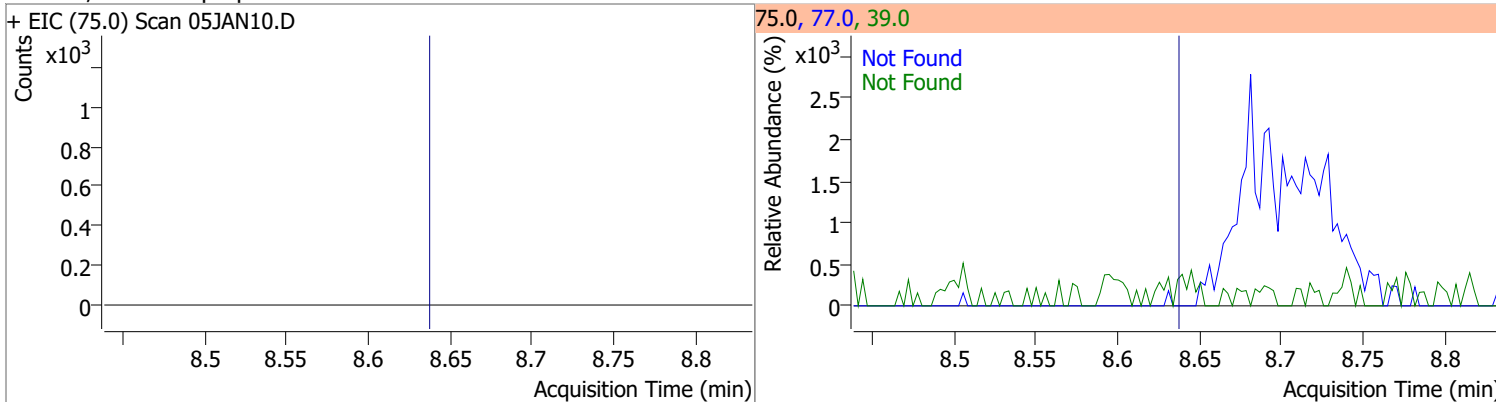
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 268.8089 | 8.32 | 0.00     | 729899 | 100.0 | 64.4   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.6    | 0.0   | 39.6  |



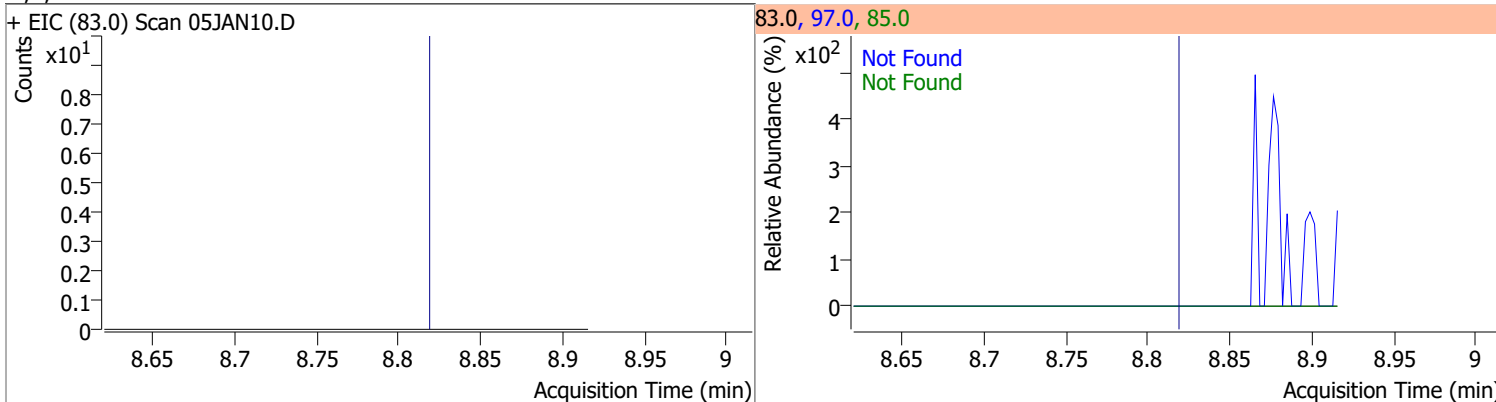
| Compound | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|----------|------|--------|-------|-------|
| Toluene  | 0.8620 | 8.38 | -0.01    | 1581 (m) | 91.0 | 174.3  | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



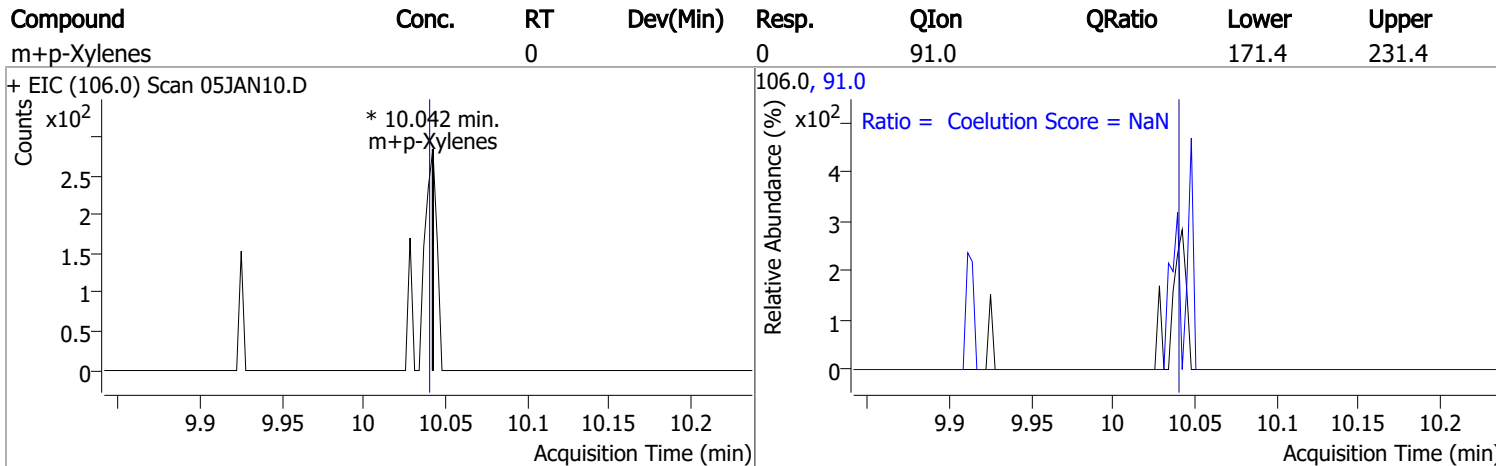
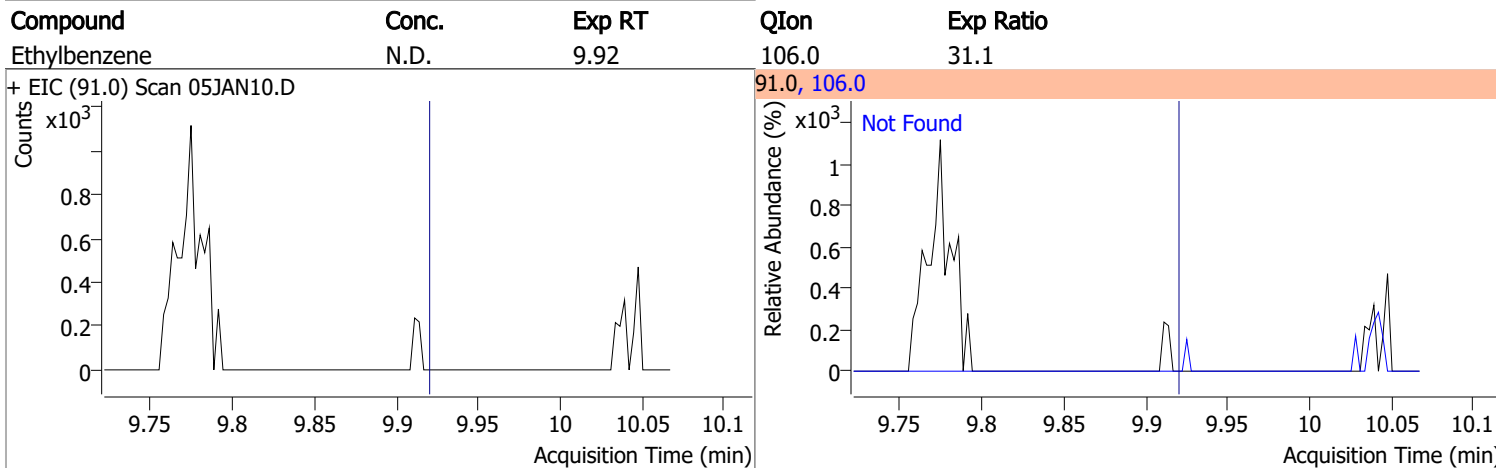
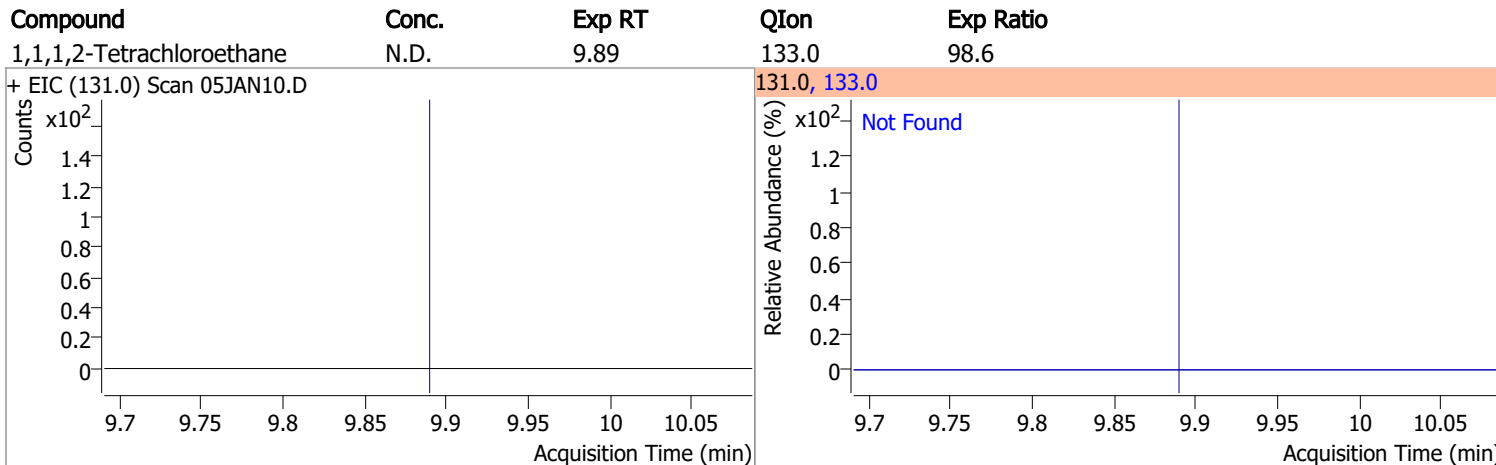
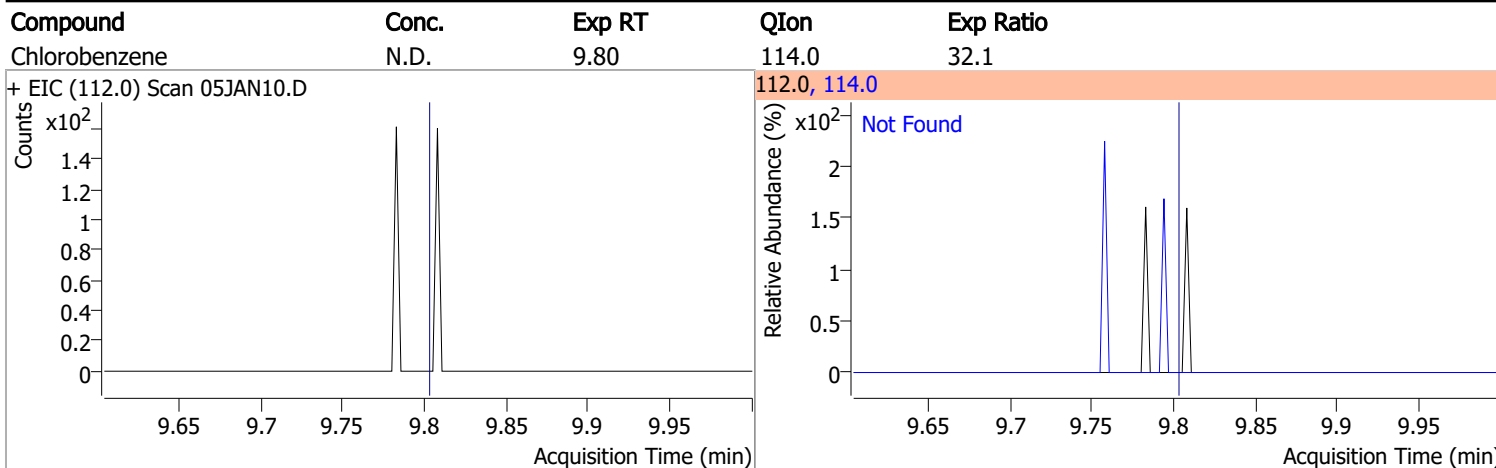
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |



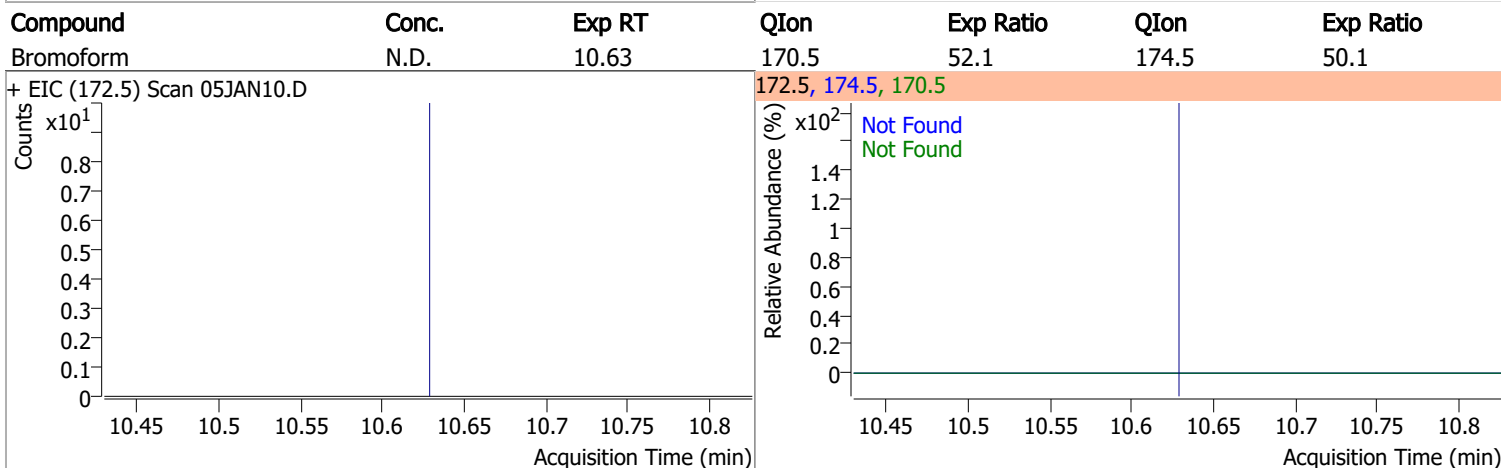
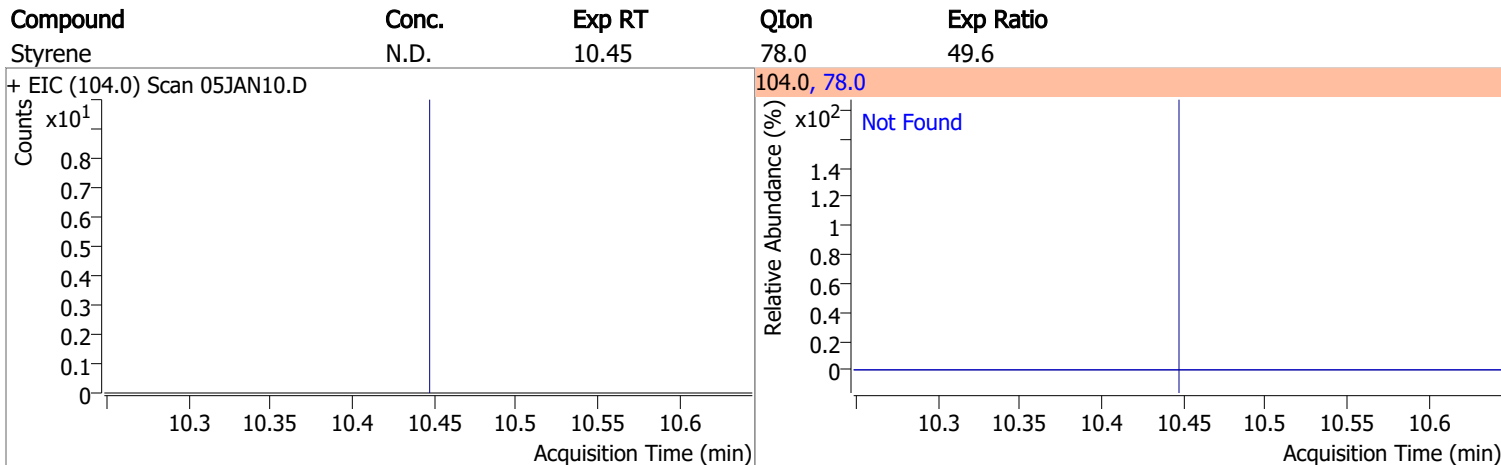
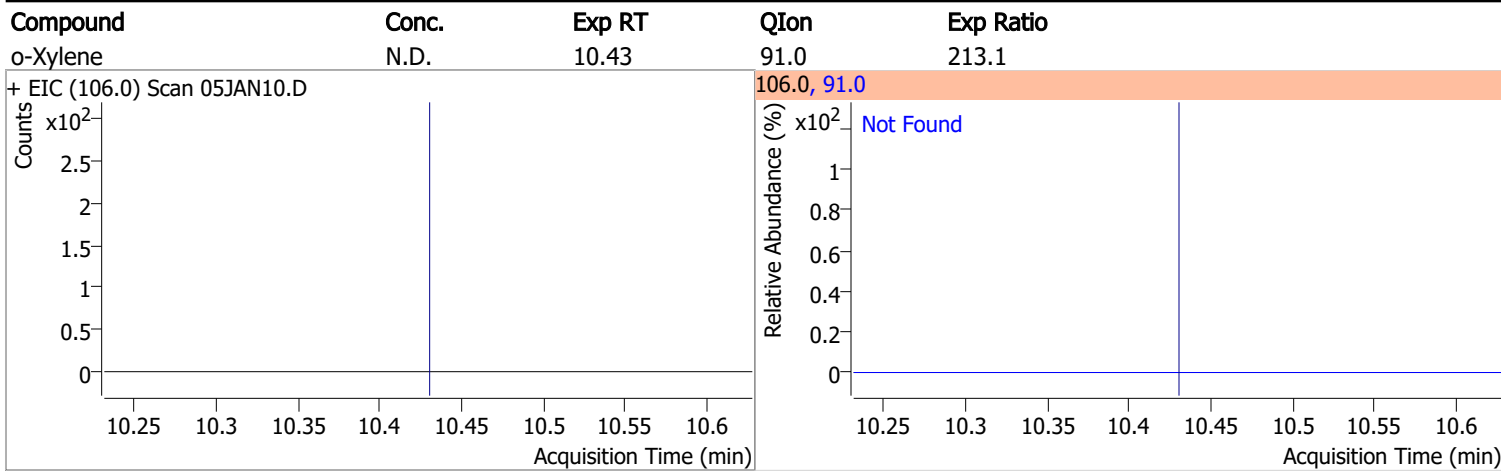
# Quantitation Results Report (QT Reviewed)

| Compound  | Conc.                  | Exp RT | QIon                                       | Exp Ratio              | QIon  | Exp Ratio |
|---|------------------------|--------|--|------------------------|-------|-----------|
| Tetrachloroethene                                 | N.D.                   | 8.94   | 165.8                                      | 128.6                  | 129.0 | 91.5      |
| + EIC (163.8) Scan 05JAN10.D ***NO DATA POINTS*** |                        |        | 163.8, 129.0, 165.8                        |                        |       |           |
| Counts<br>x10 <sup>1</sup>                        | Acquisition Time (min) |        | Relative Abundance (%)<br>x10 <sup>2</sup> | Acquisition Time (min) |       |           |
|   |                        |        |  |                        |       |           |
| 1,3-Dichloropropane                               | N.D.                   | 8.98   | 78.0                                       | 32.9                   |       |           |
| + EIC (76.0) Scan 05JAN10.D                       |                        |        | 76.0, 78.0                                 |                        |       |           |
| Counts<br>x10 <sup>1</sup>                        | Acquisition Time (min) |        | Relative Abundance (%)<br>x10 <sup>2</sup> | Acquisition Time (min) |       |           |
|   |                        |        |  |                        |       |           |
| Chlorodibromomethane                              | N.D.                   | 9.21   | 127.0                                      | 78.0                   |       |           |
| + EIC (129.0) Scan 05JAN10.D                      |                        |        | 129.0, 127.0                               |                        |       |           |
| Counts<br>x10 <sup>1</sup>                        | Acquisition Time (min) |        | Relative Abundance (%)<br>x10 <sup>2</sup> | Acquisition Time (min) |       |           |
|   |                        |        |  |                        |       |           |
| 1,2-Dibromoethane                                 | N.D.                   | 9.31   | 109.0                                      | 94.5                   |       |           |
| + EIC (107.0) Scan 05JAN10.D                      |                        |        | 107.0, 109.0                               |                        |       |           |
| Counts<br>x10 <sup>1</sup>                        | Acquisition Time (min) |        | Relative Abundance (%)<br>x10 <sup>2</sup> | Acquisition Time (min) |       |           |
|   |                        |        |  |                        |       |           |

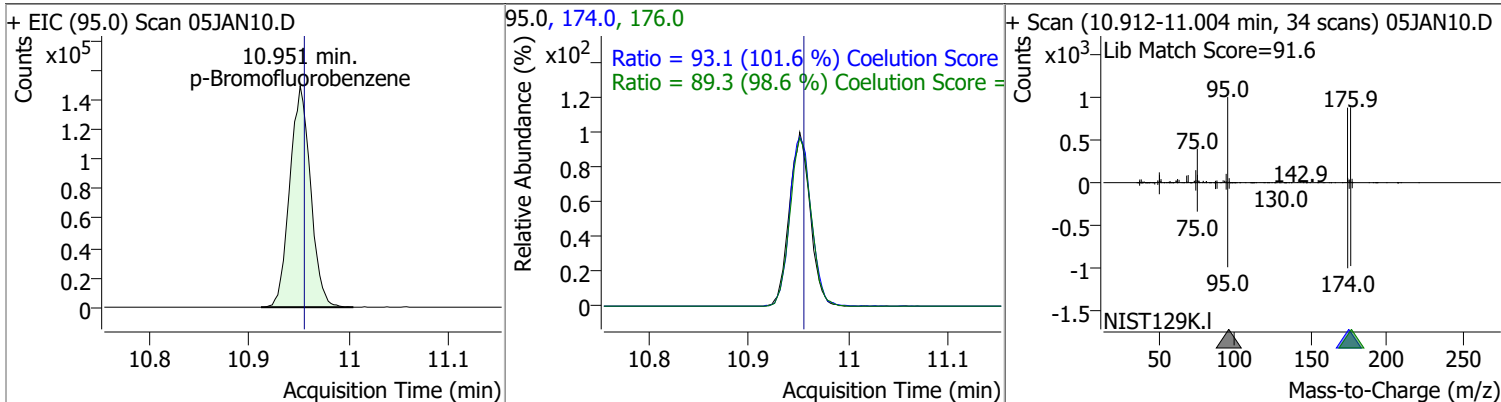
# Quantitation Results Report (QT Reviewed)



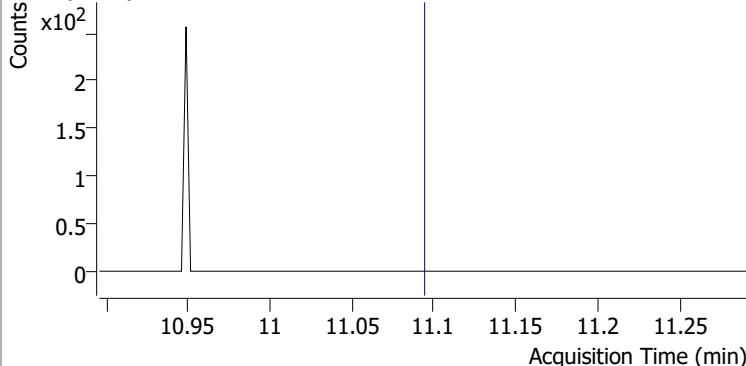
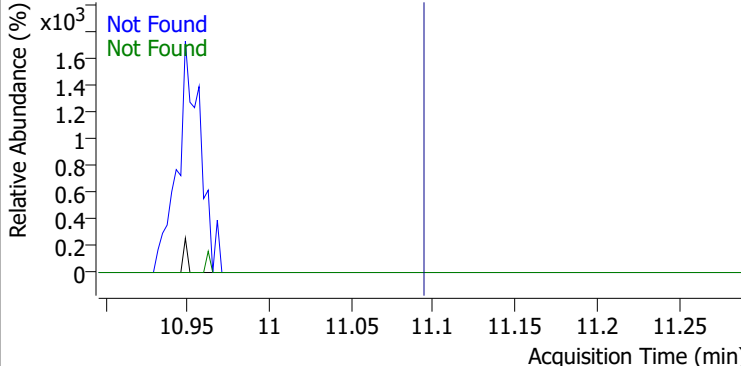
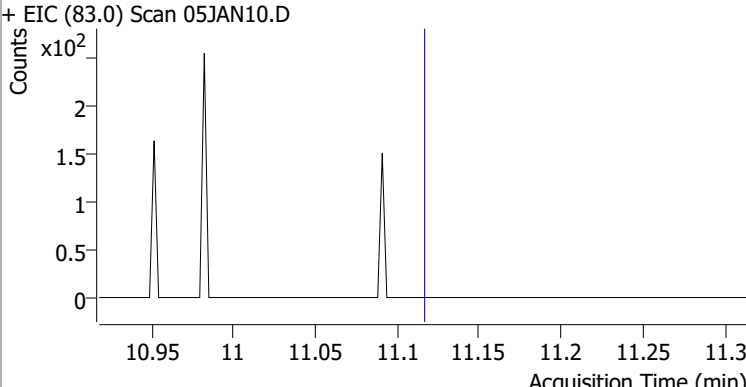
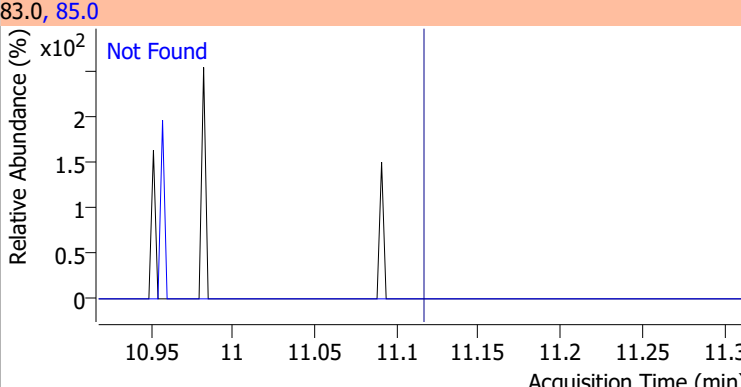
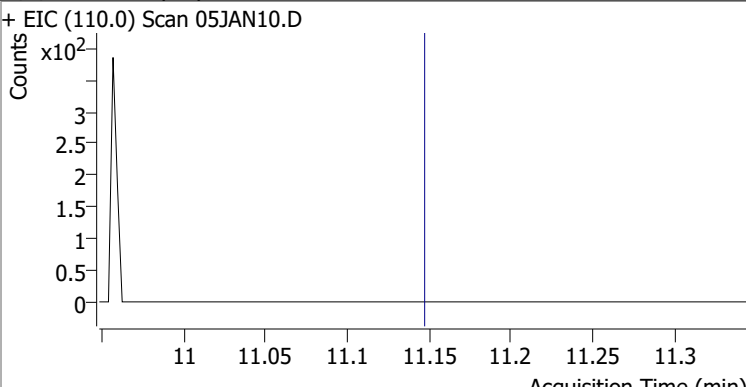
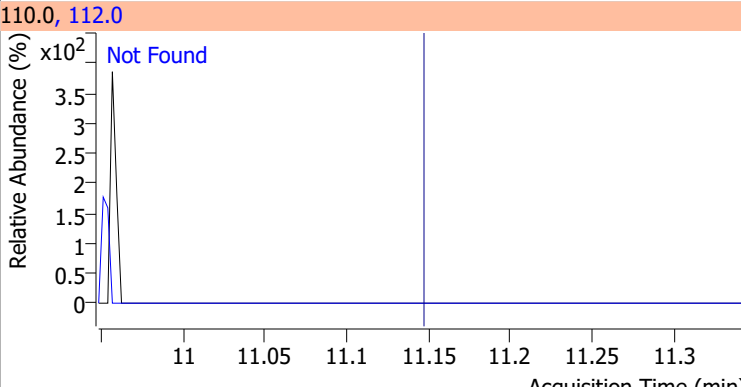
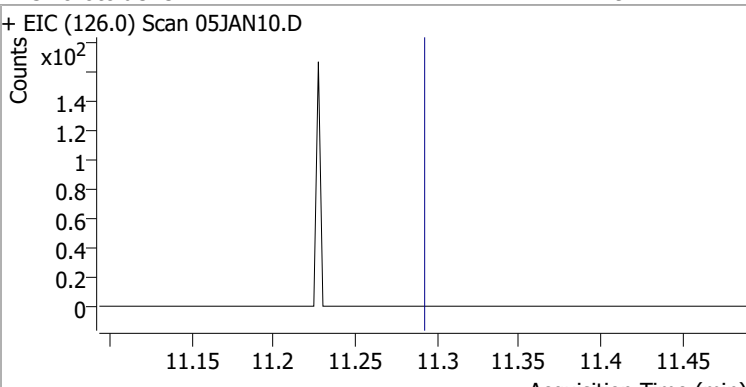
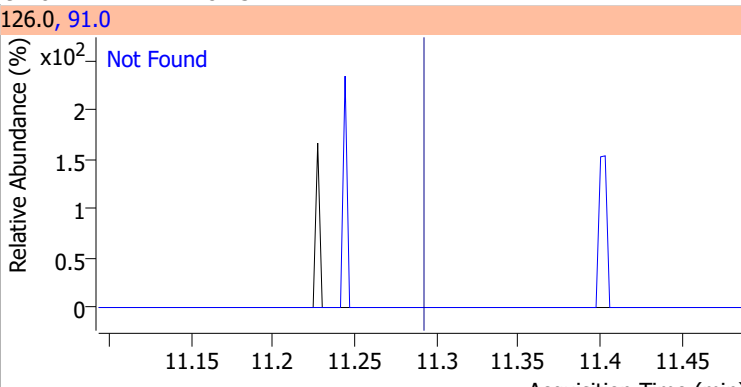
# Quantitation Results Report (QT Reviewed)



| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 275.0138 | 10.95 | 0.00     | 215264 | 174.0 | 93.1   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 89.3   | 60.6  | 120.6 |

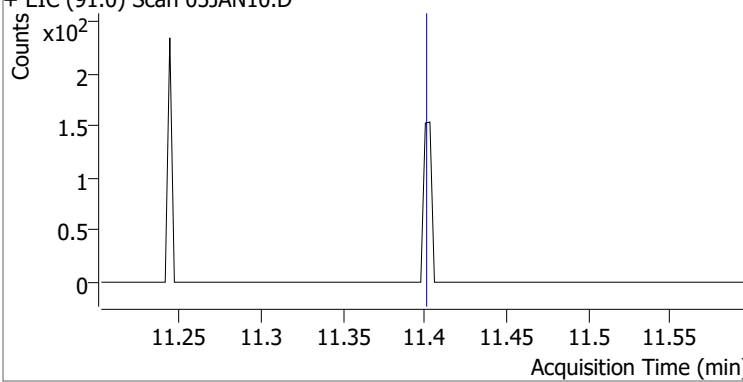
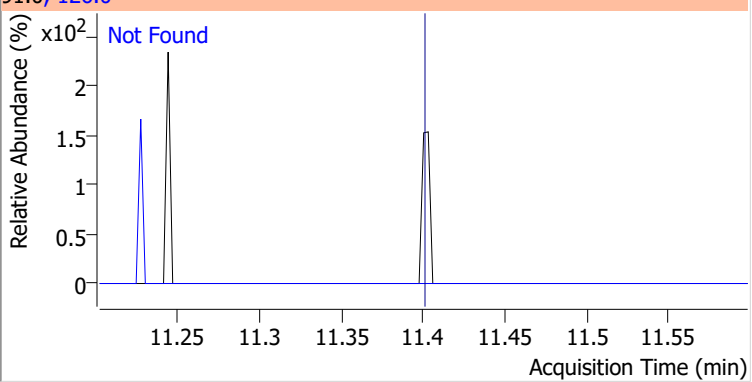
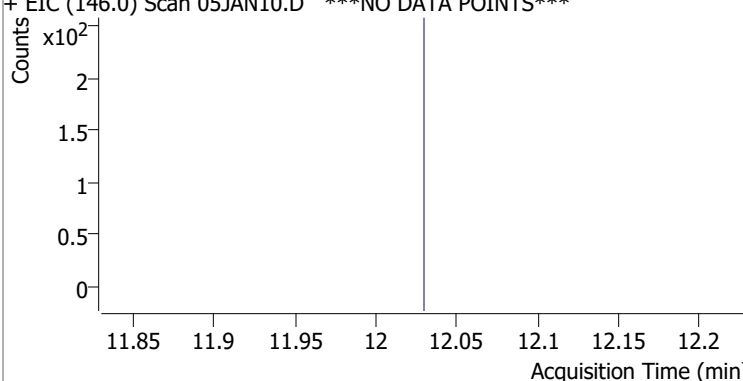
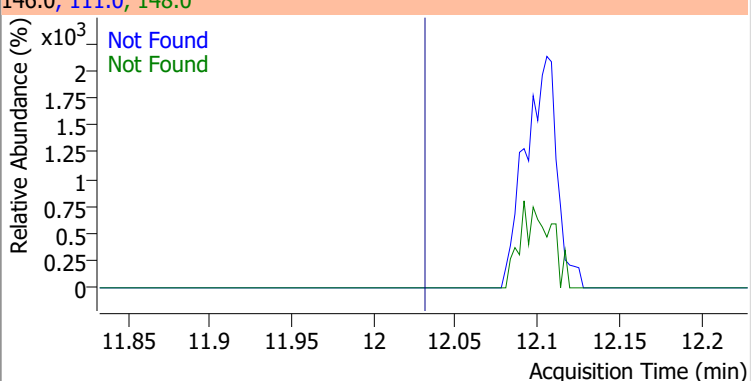
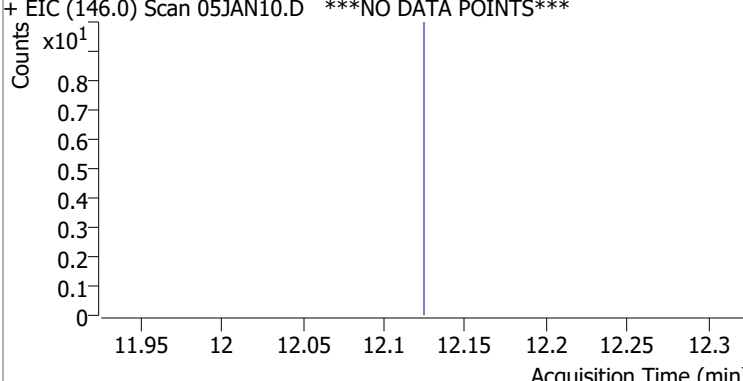
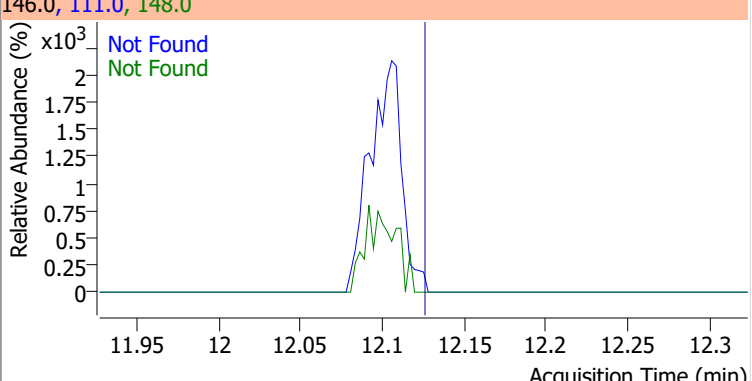
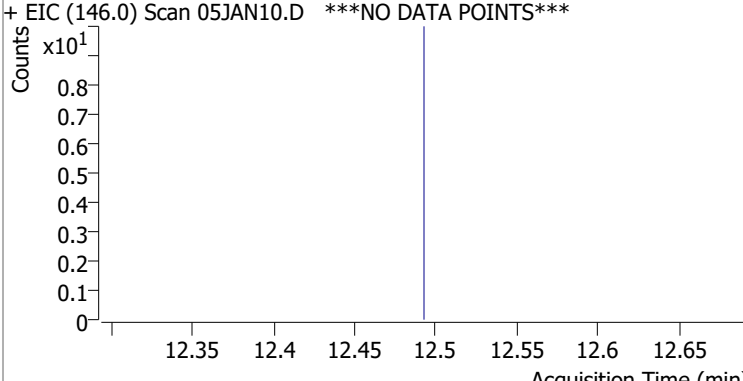
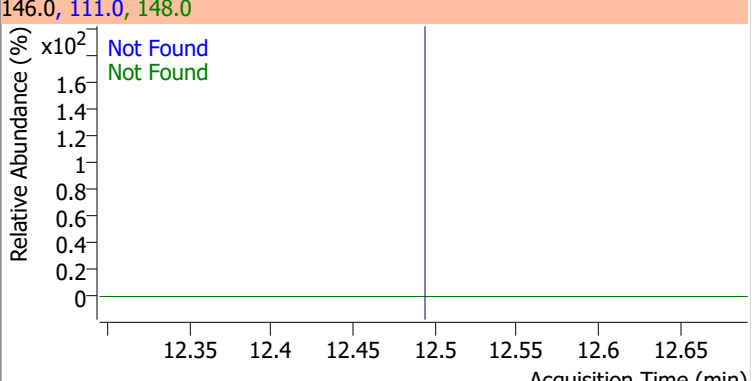


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN10.D   |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN10.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN10.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN10.D   |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

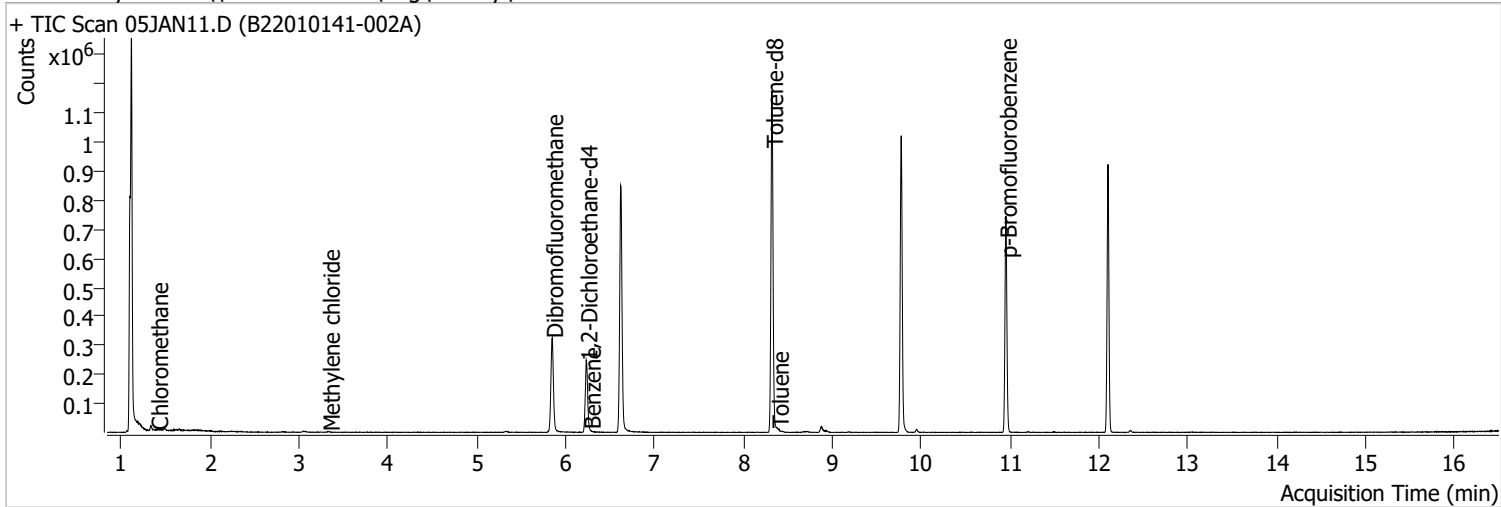


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN10.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN10.D ***NO DATA POINTS***                                  |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN10.D ***NO DATA POINTS***                                  |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN10.D ***NO DATA POINTS***                                  |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN11.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 2:38:23 PM   |
| Sample Name    | B22010141-002A                      | Instrument        | VOA5975C              |
| Vial           | 11                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



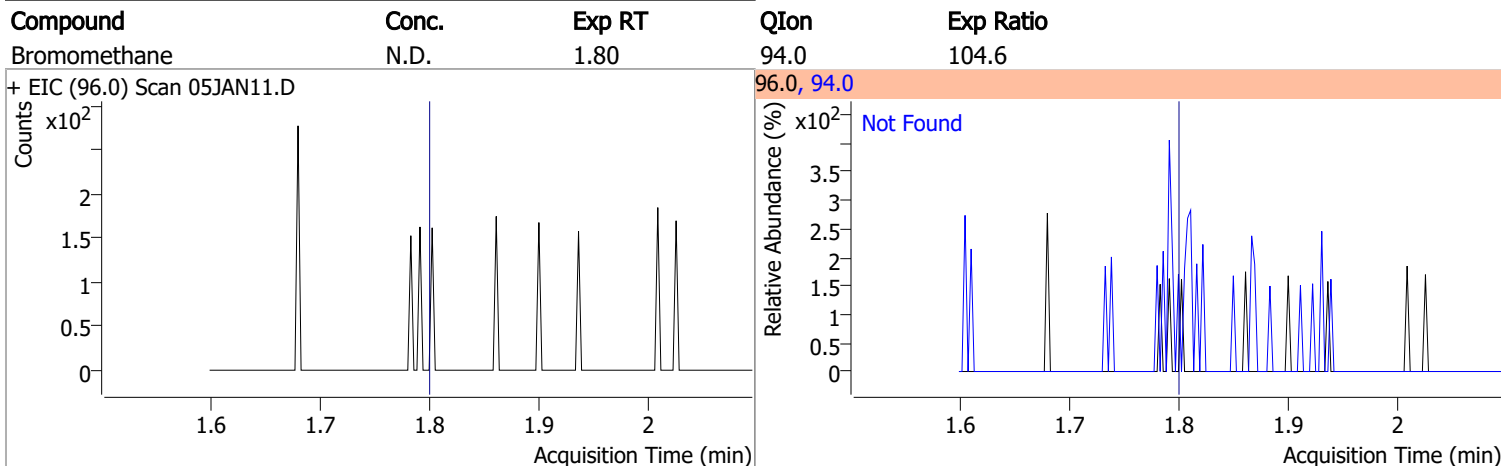
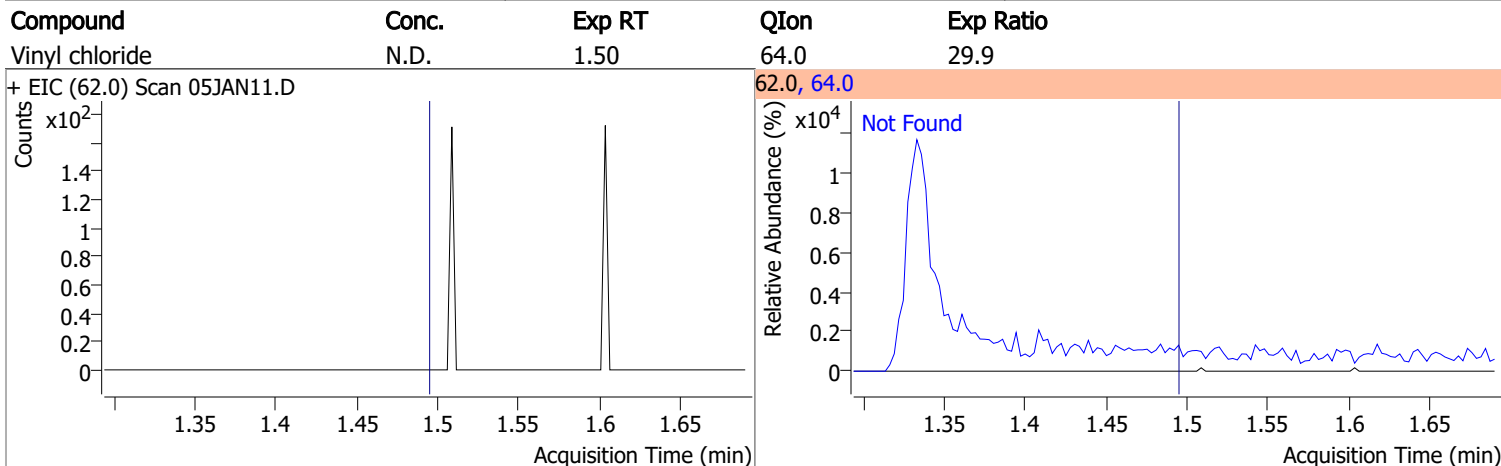
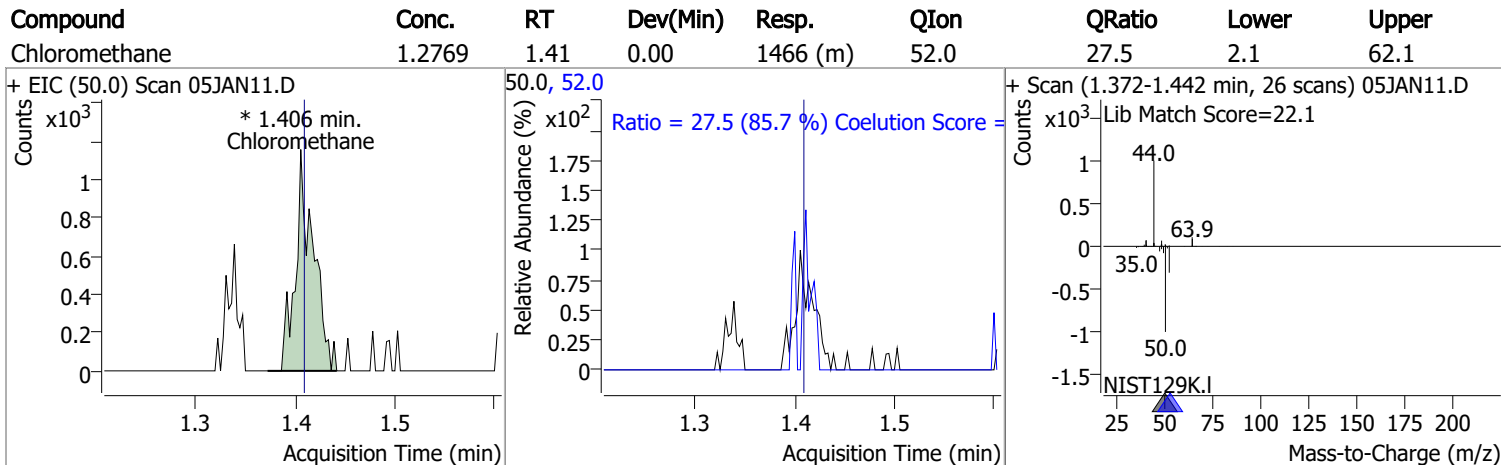
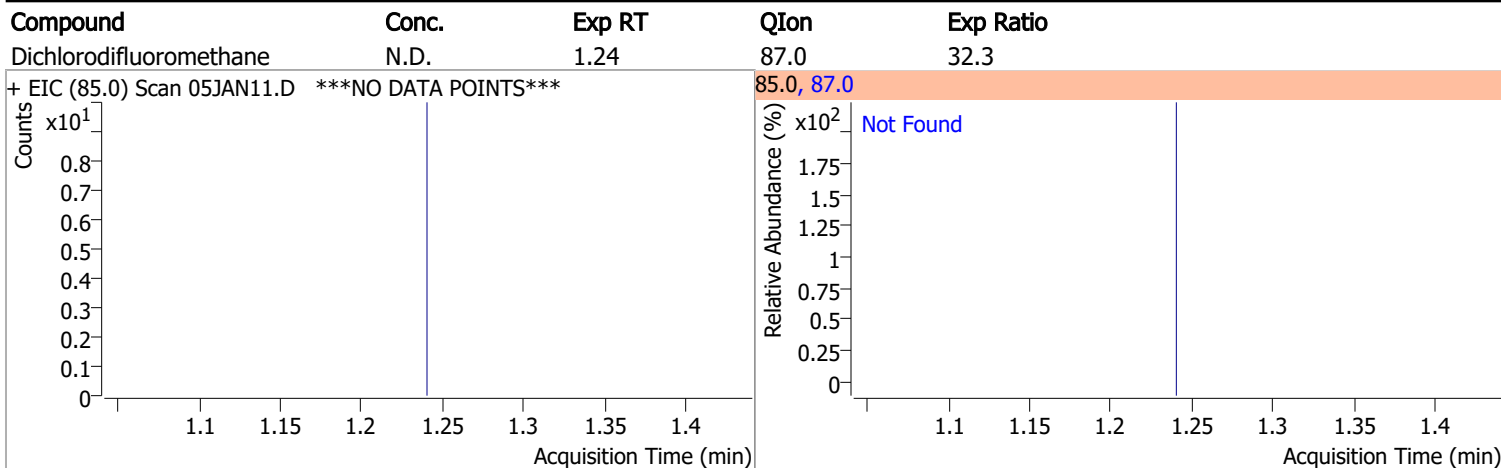
| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.621                | 96.0  | 721833 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 281916 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 214566 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 190628 | 280.3188           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 112.13% |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 85616  | 291.4804           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 116.59% |       |          |
| S Toluene-d8                       | 8.322                | 98.0  | 727431 | 267.7641           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 107.11% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 212552 | 270.3999           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 108.16% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.406                | 50.0  | 1466   | 1.2769             | ng    | m 92     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.335                | 49.0  | 1663   | 1.5517             | ng    | m 90     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 5.642                | 83.0  | 0      |                    | ng    | md 1     |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.  | Units |    | Dev(Min) |
|-----------------------------|--------|-------|-------|--------|-------|----|----------|
| T 1,1,1-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |    |          |
| T Carbon tetrachloride      | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1-Dichloropropene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Benzene                   | 6.272  | 78.0  | 424   | 0.1475 | ng    | m  | 93       |
| T 1,2-Dichloroethane        | 0.000  |       | 0     | N.D.   |       |    |          |
| T Trichloroethene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Dibromomethane            | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromodichloromethane      | 0.000  |       | 0     | N.D.   |       |    |          |
| T cis-1,3-Dichloropropene   | 0.000  |       | 0     | N.D.   |       |    |          |
| T Toluene                   | 8.386  | 92.0  | 2246  | 1.2239 | ng    |    | 97       |
| T trans-1,3-Dichloropropene | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,2-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |    |          |
| T Tetrachloroethene         | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Chlorodibromomethane      | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dibromoethane         | 0.000  |       | 0     | N.D.   |       |    |          |
| T Chlorobenzene             | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,1,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |    |          |
| T Ethylbenzene              | 0.000  |       | 0     | N.D.   |       |    |          |
| T m+p-Xylenes               | 10.037 | 106.0 | 0     |        | ng    | md | 1        |
| T o-Xylene                  | 0.000  |       | 0     | N.D.   |       |    |          |
| T Styrene                   | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromoform                 | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromobenzene              | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,2,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.   |       |    |          |
| T 2-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 4-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,4-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |

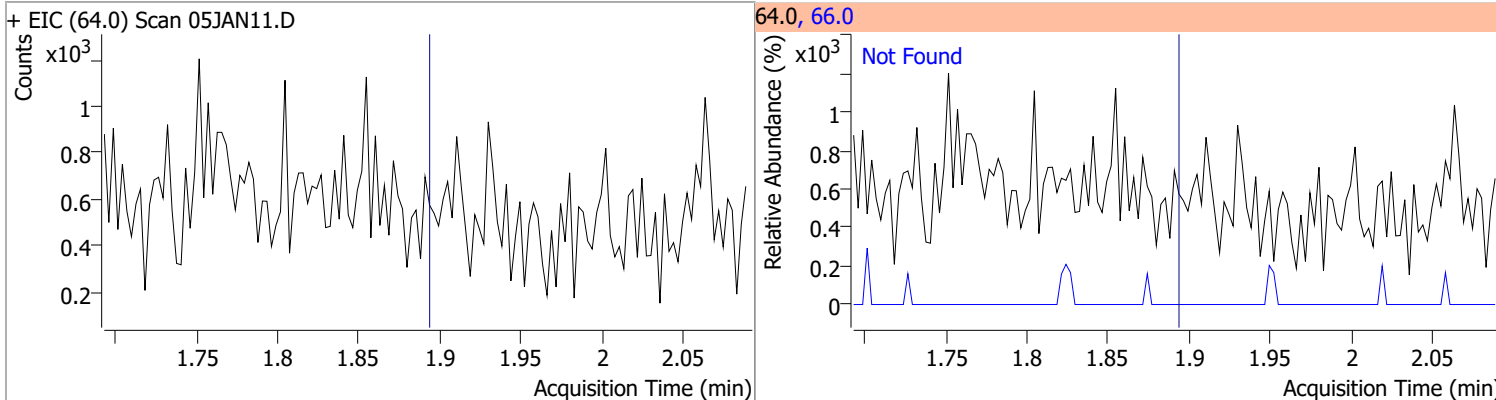
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

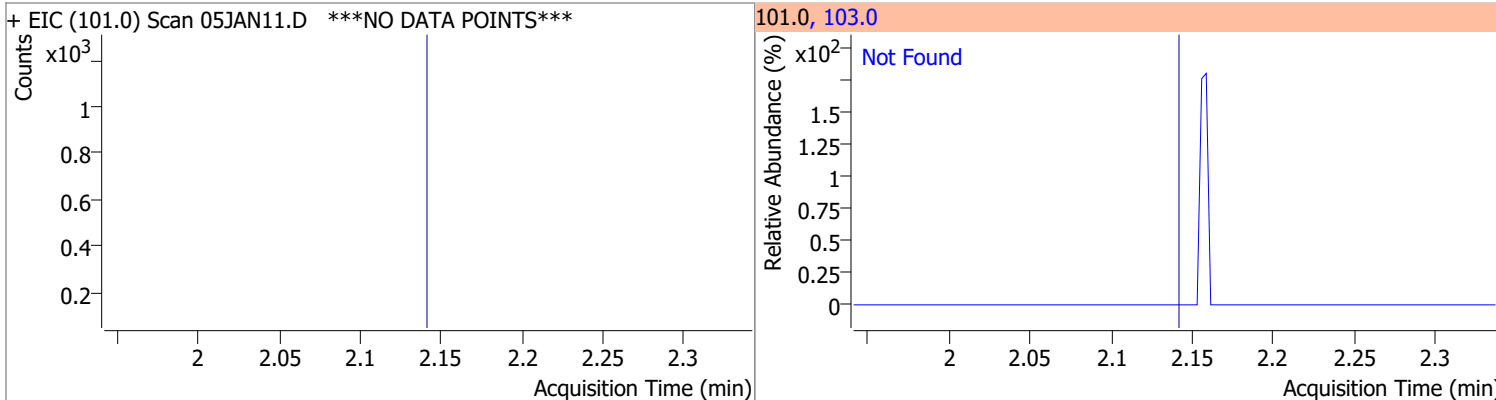


# Quantitation Results Report (QT Reviewed)

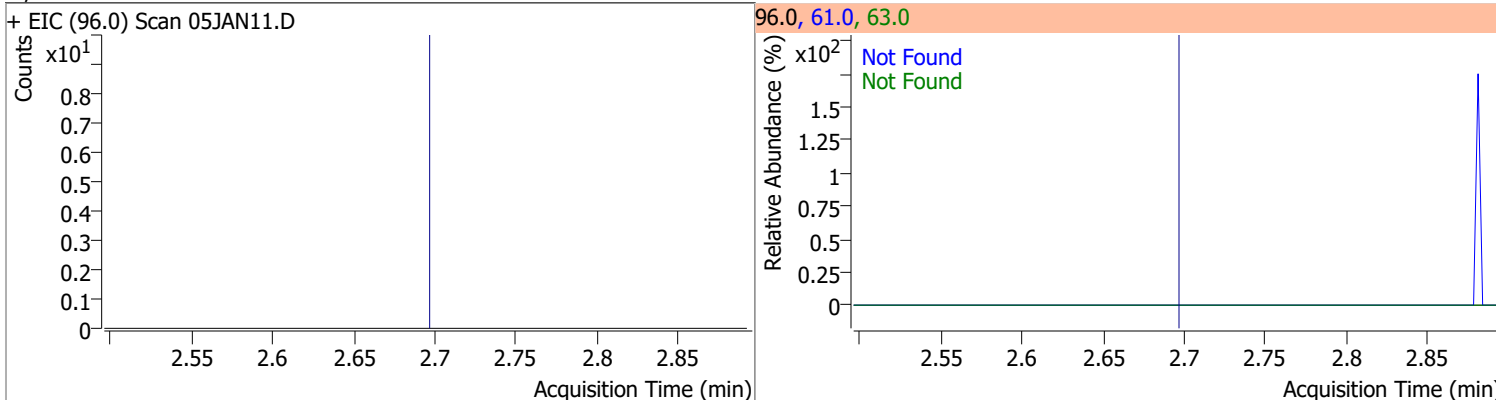
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



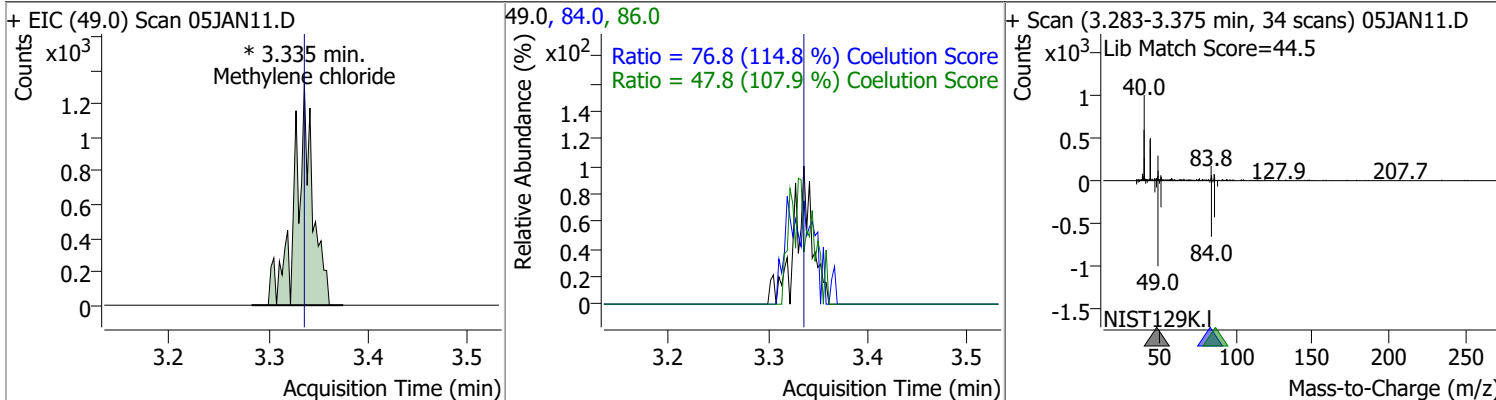
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

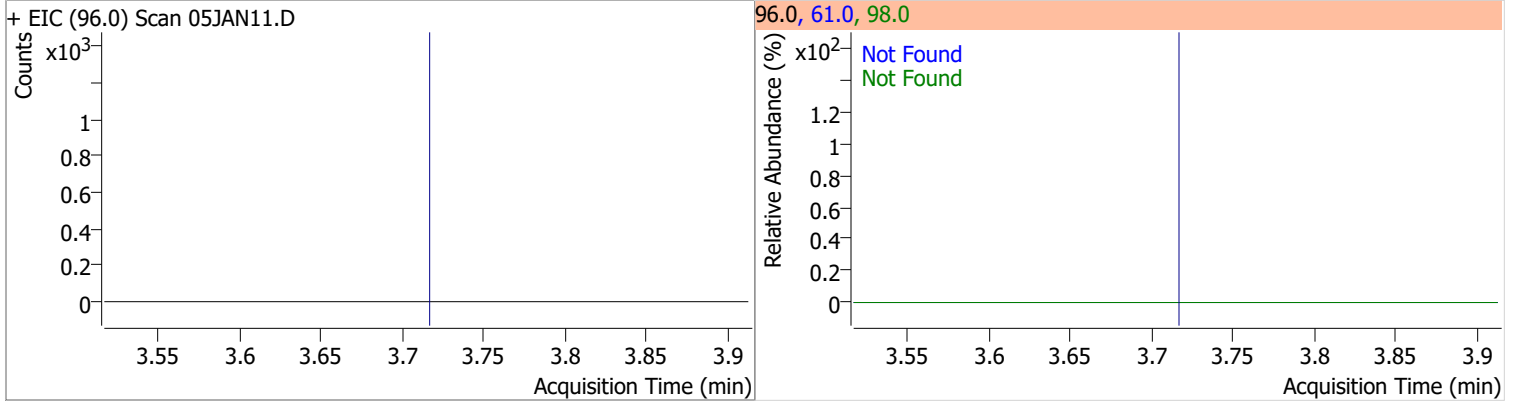


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.5517 | 3.34 | 0.00     | 1663 (m) | 84.0 | 76.8   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 47.8   | 14.3  | 74.3  |

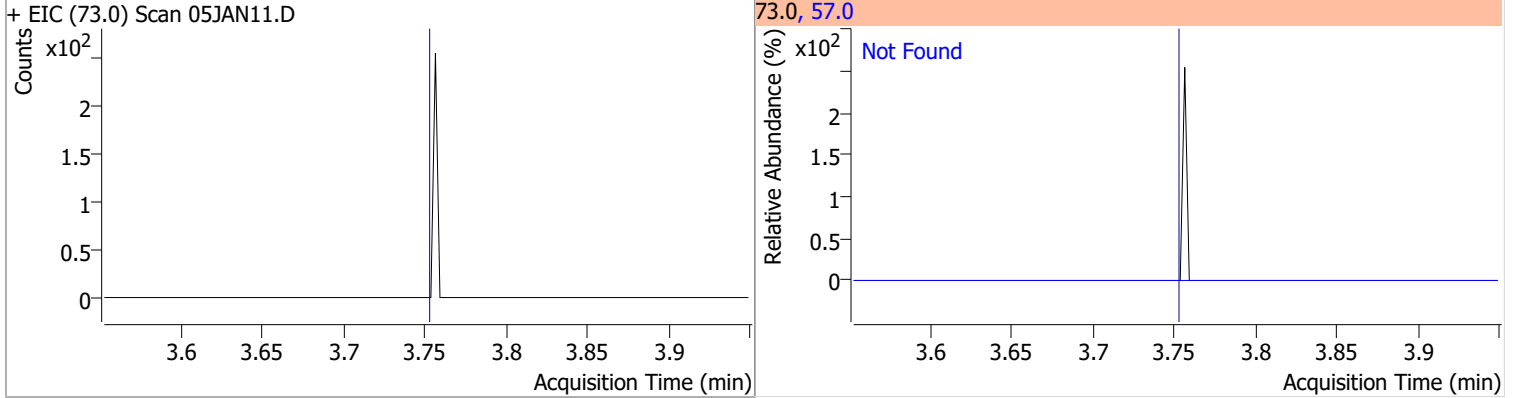


# Quantitation Results Report (QT Reviewed)

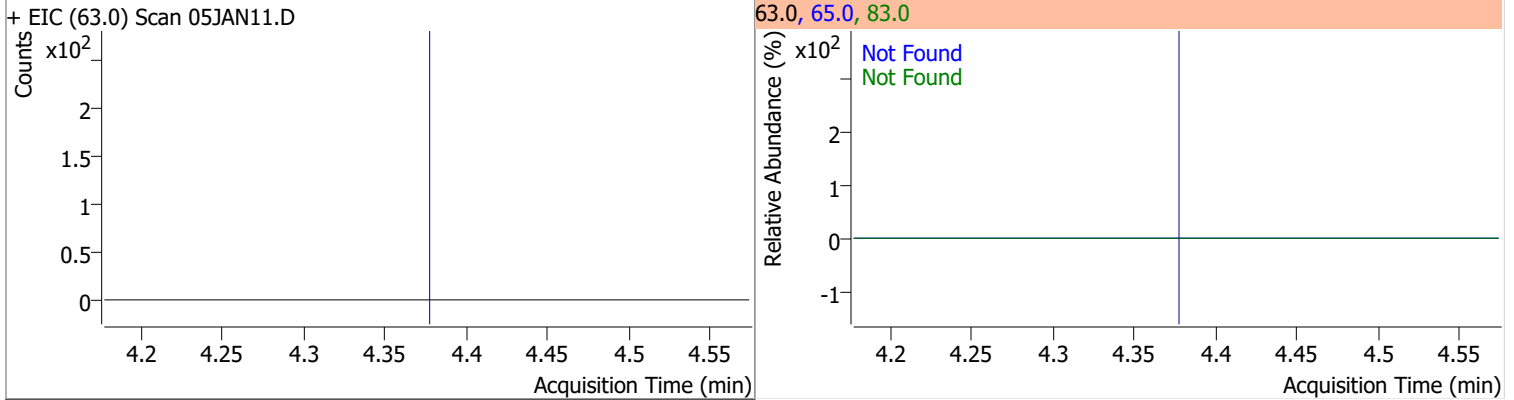
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



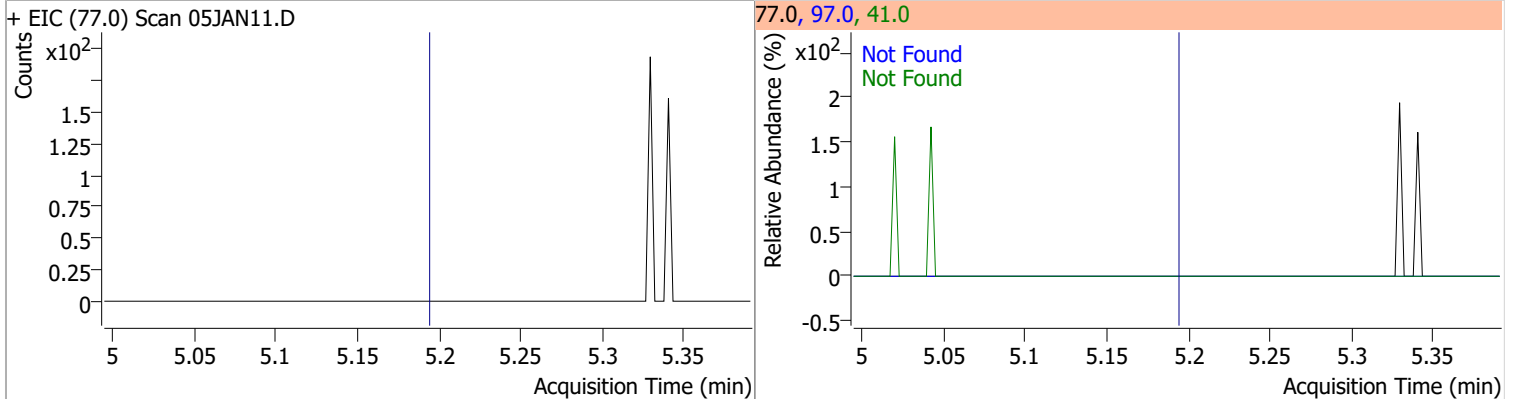
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

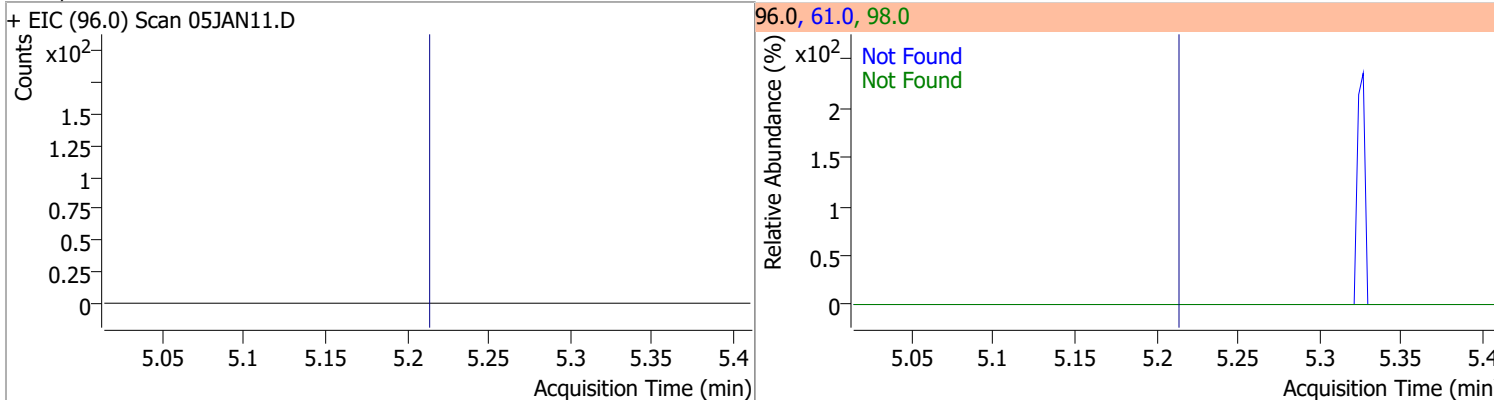


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

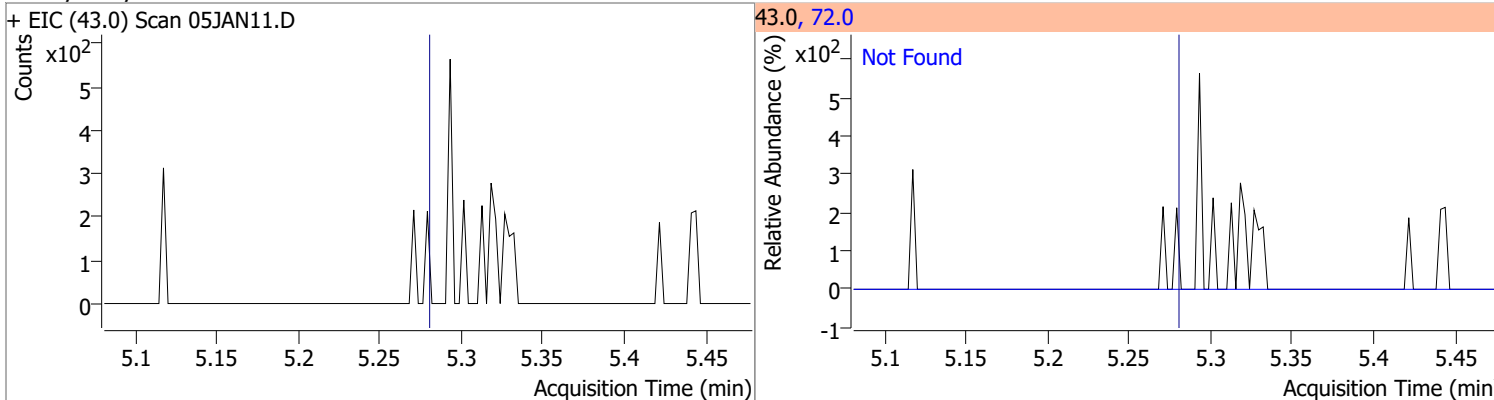


# Quantitation Results Report (QT Reviewed)

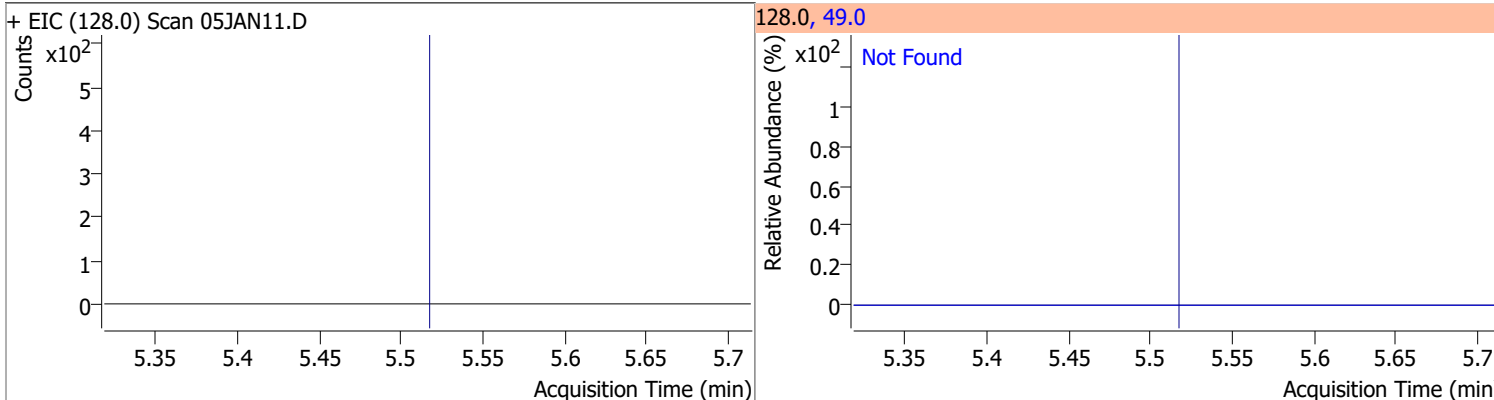
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



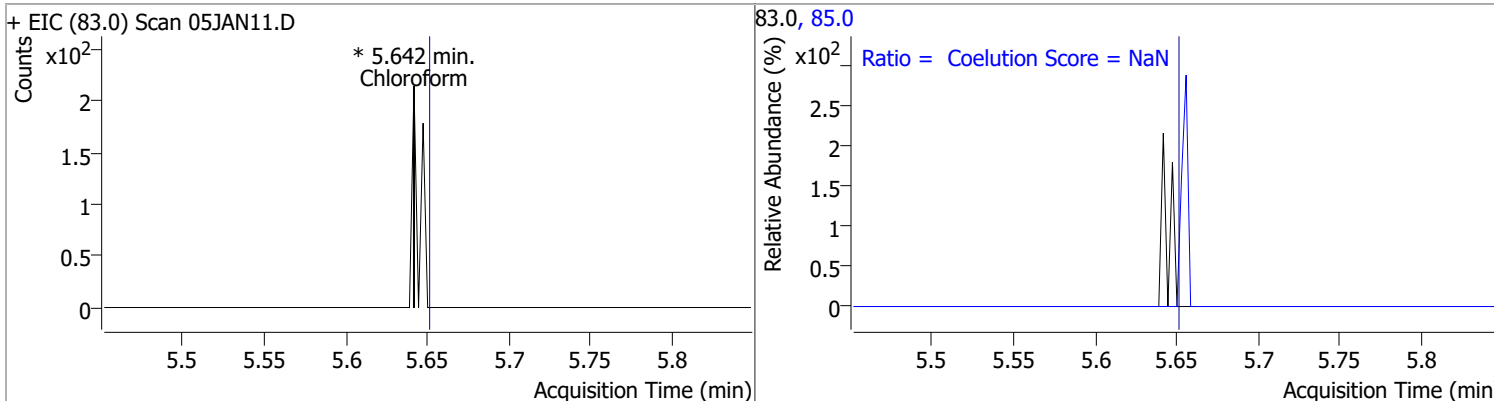
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



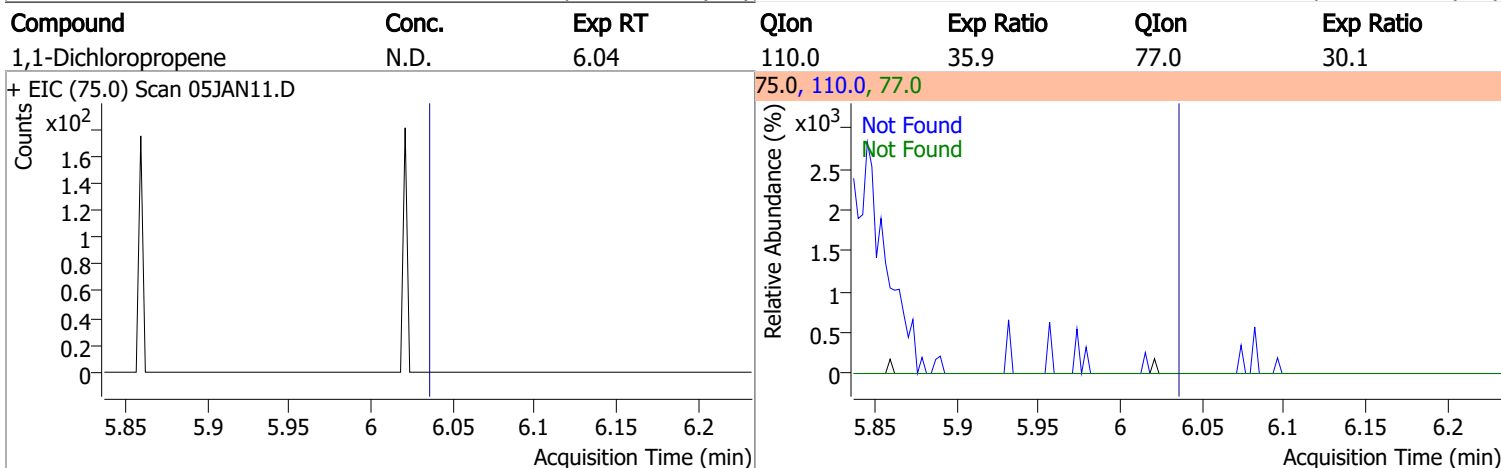
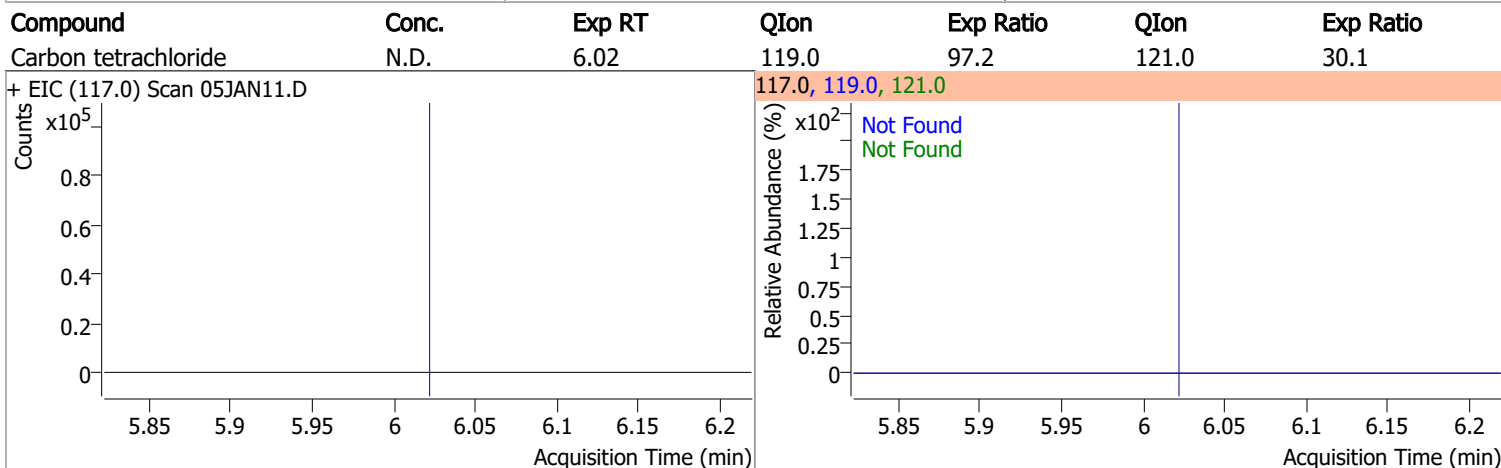
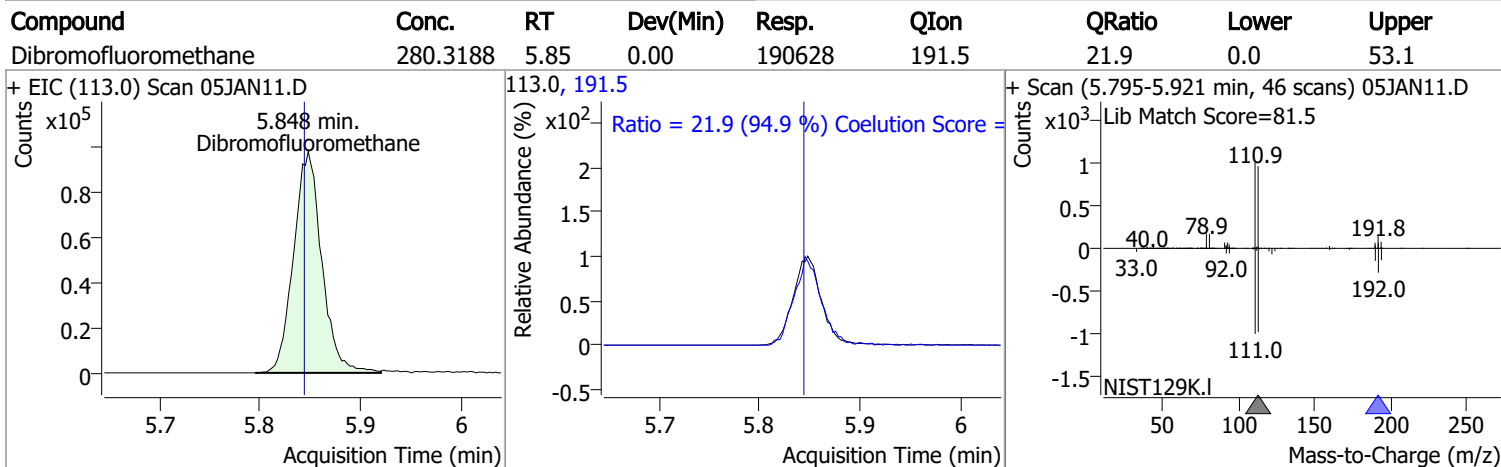
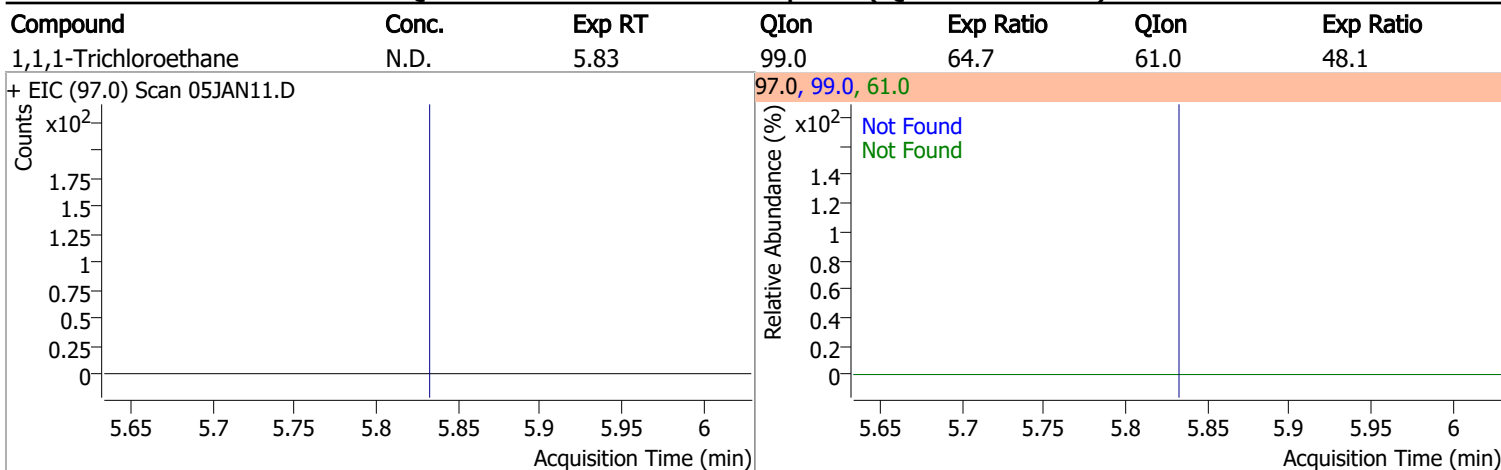
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|-------|----|----------|-------|------|--------|-------|-------|
| Chloroform |       | 0  |          | 0     | 85.0 |        | 36.0  | 96.0  |



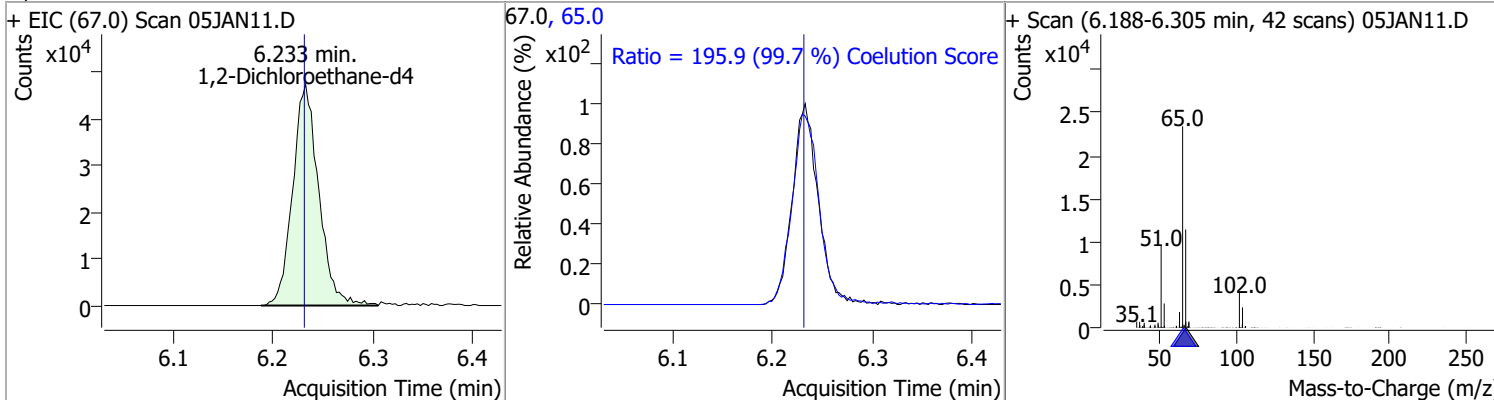
# Quantitation Results Report (QT Reviewed)



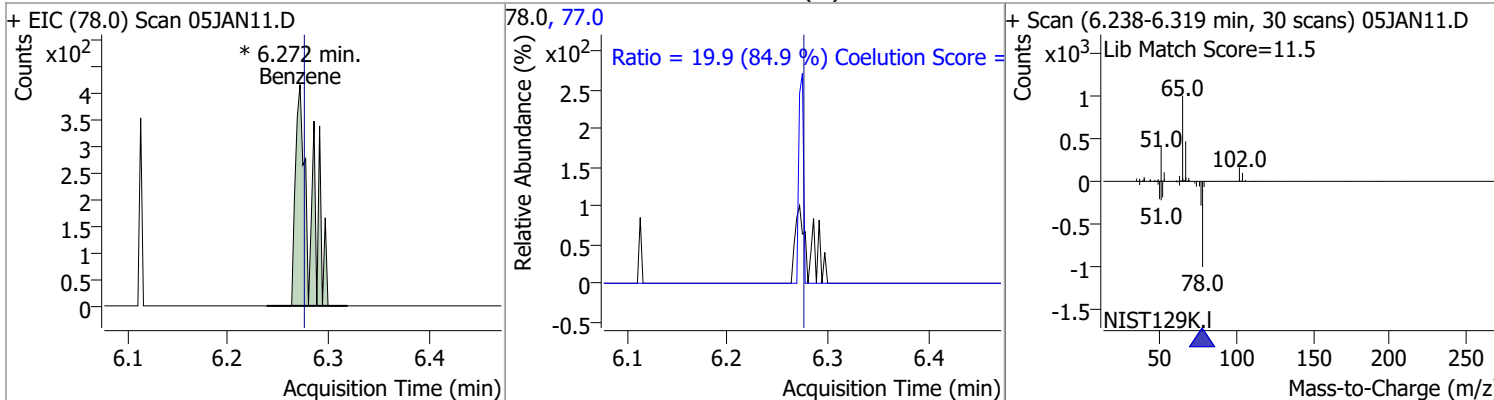


# Quantitation Results Report (QT Reviewed)

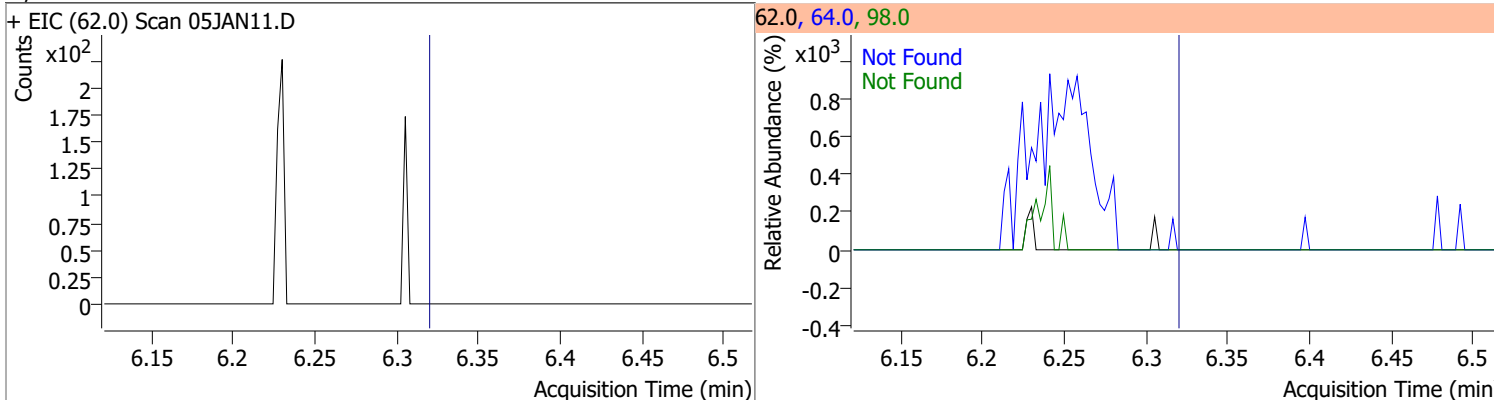
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 291.4804 | 6.23 | 0.00     | 85616 | 65.0 | 195.9  | 166.5 | 226.5 |



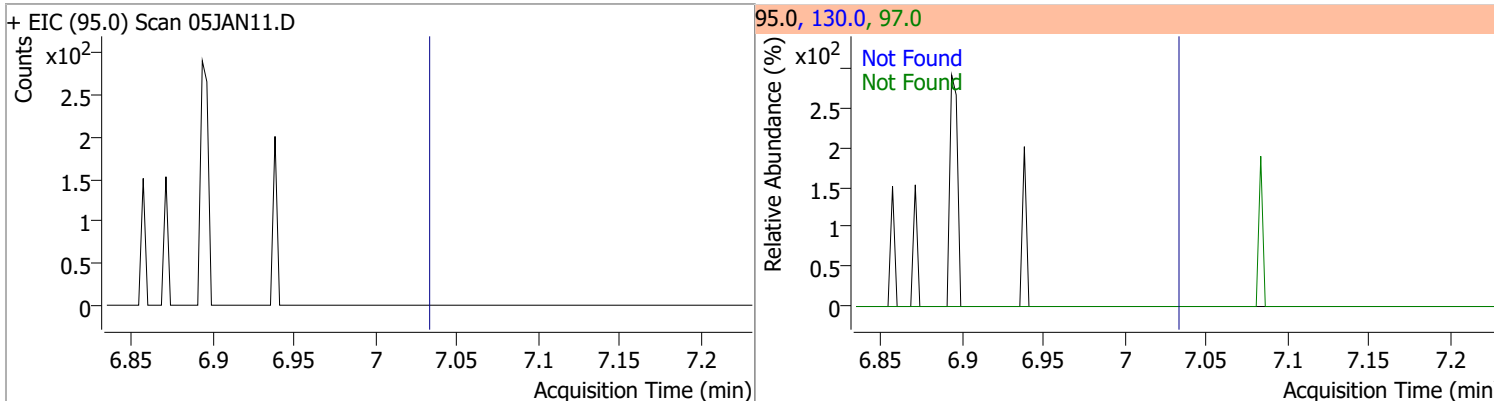
| Compound | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 0.1475 | 6.27 | -0.01    | 424 (m) | 77.0 | 19.9   | 0.0   | 53.5  |



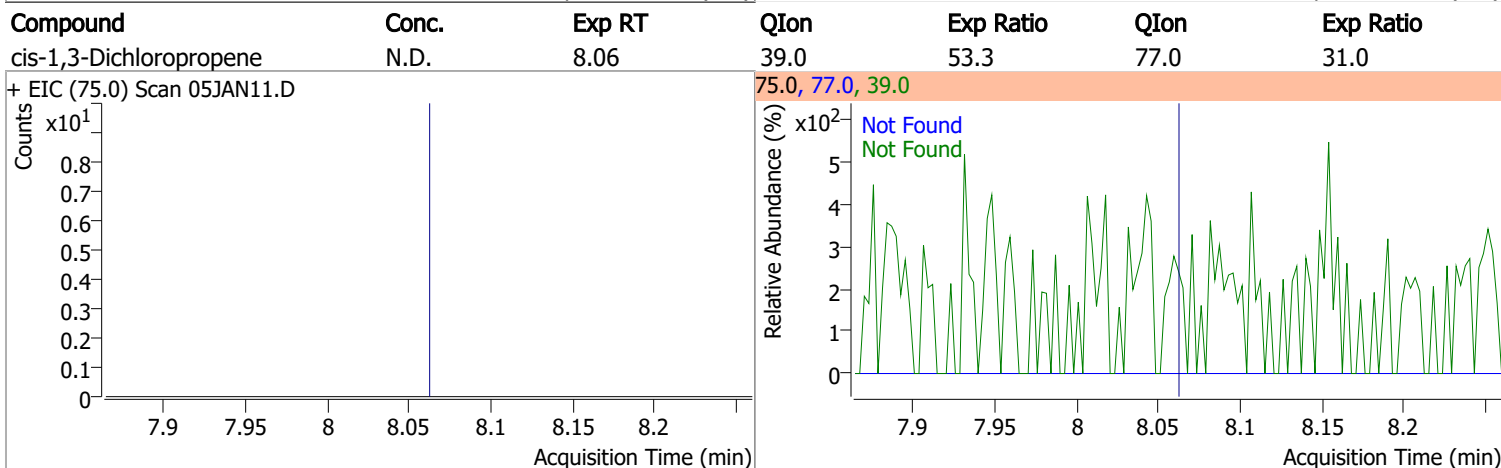
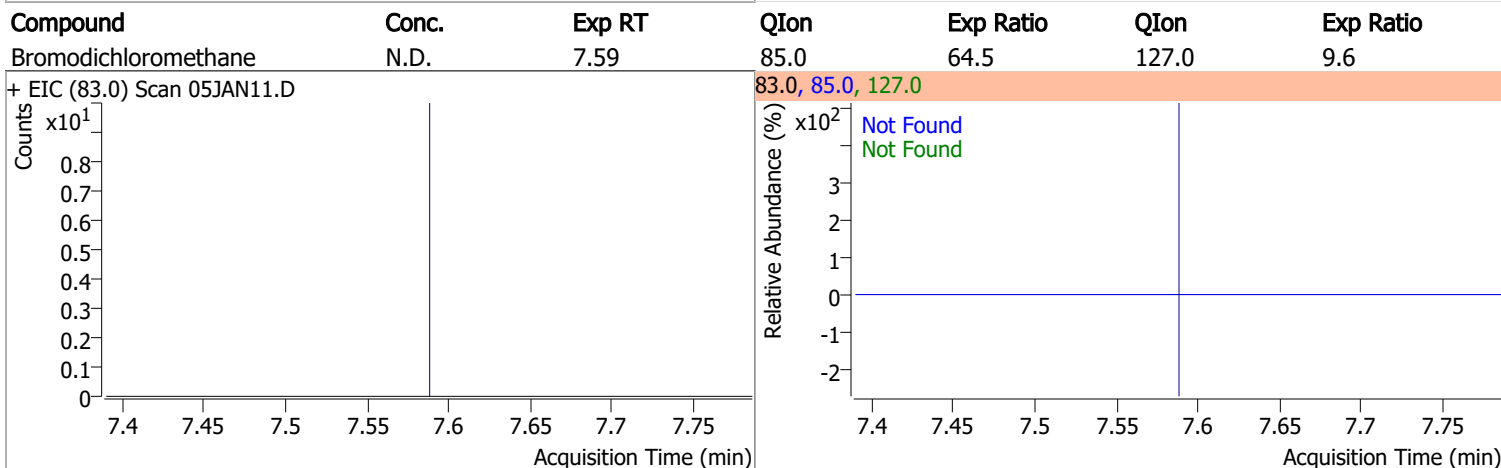
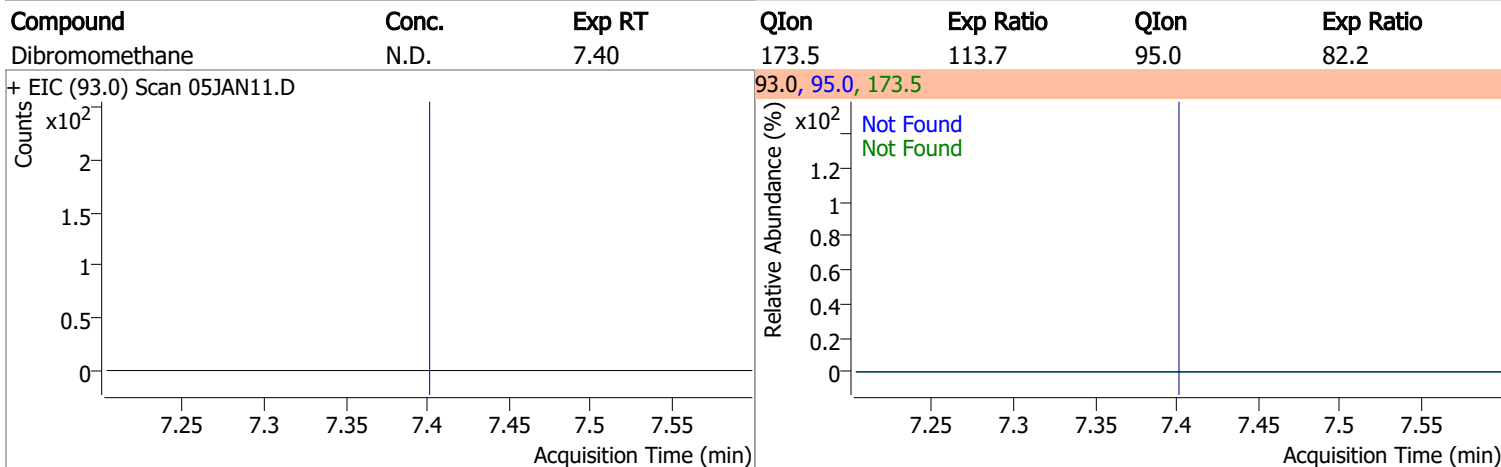
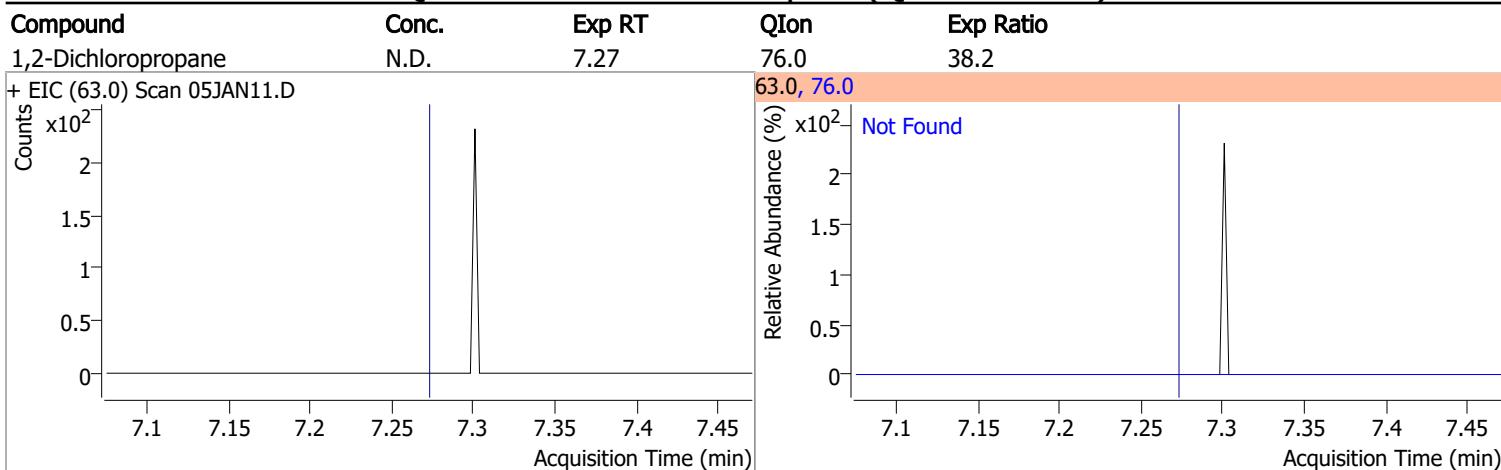
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

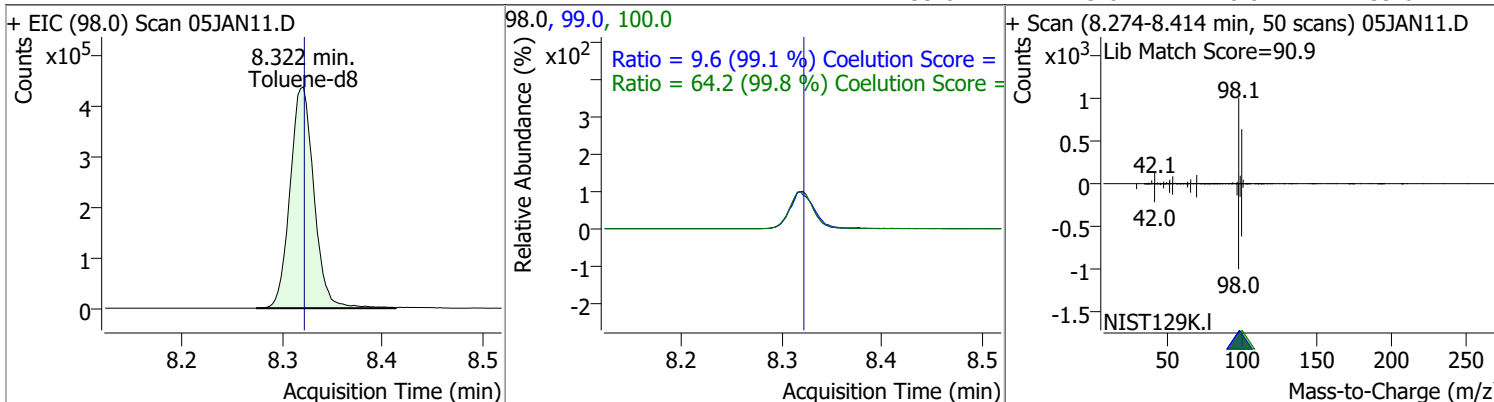


# Quantitation Results Report (QT Reviewed)

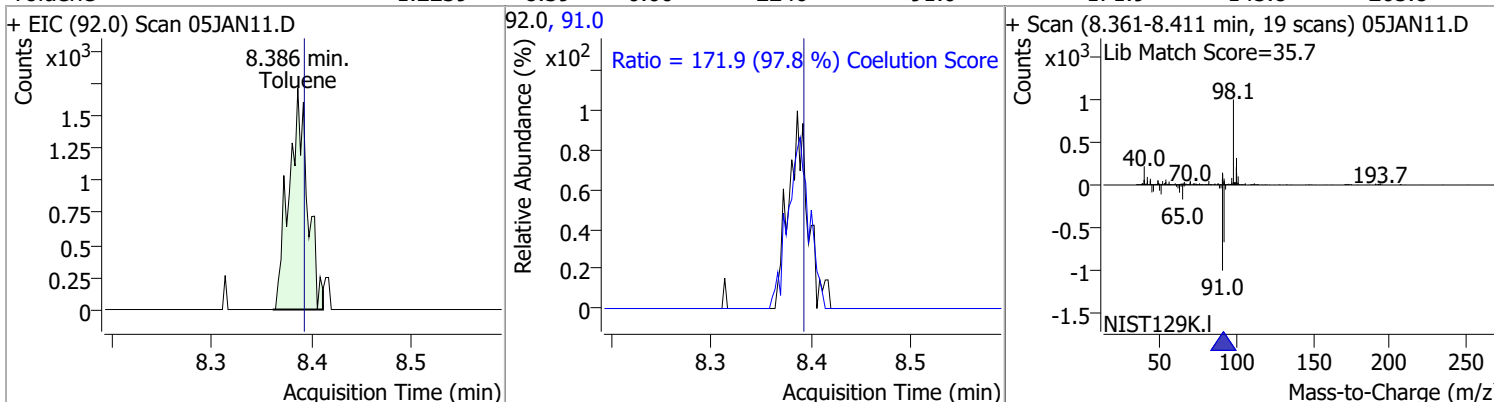


# Quantitation Results Report (QT Reviewed)

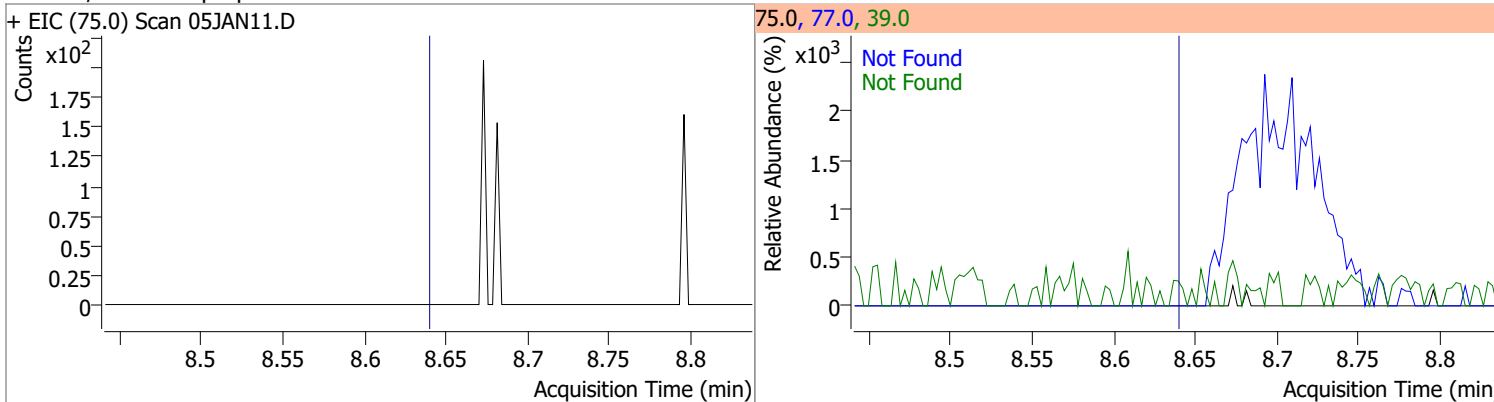
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 267.7641 | 8.32 | 0.00     | 727431 | 100.0 | 64.2   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.6    | 0.0   | 39.6  |



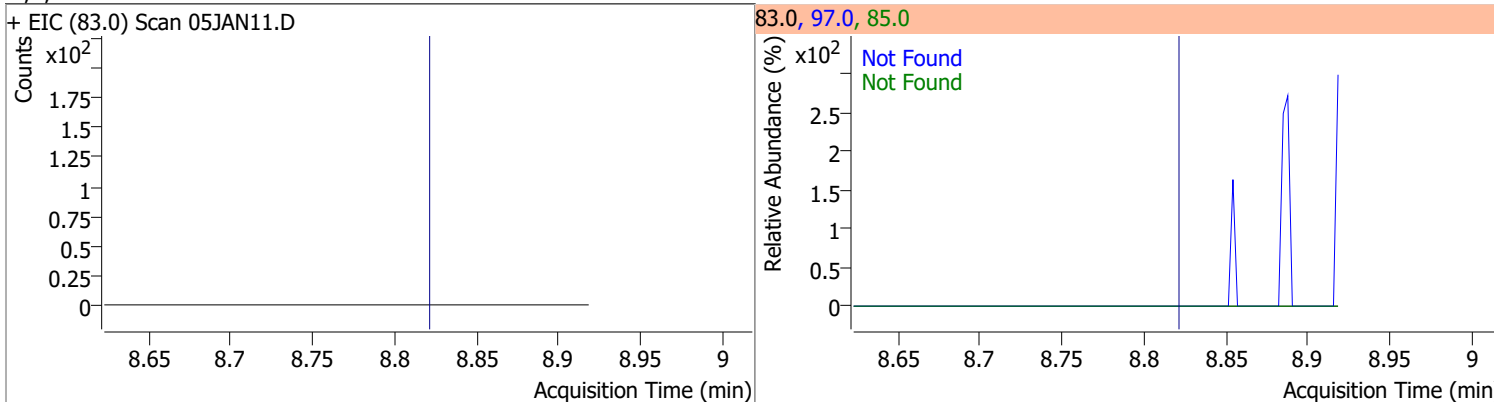
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| Toluene  | 1.2239 | 8.39 | 0.00     | 2246  | 91.0 | 171.9  | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

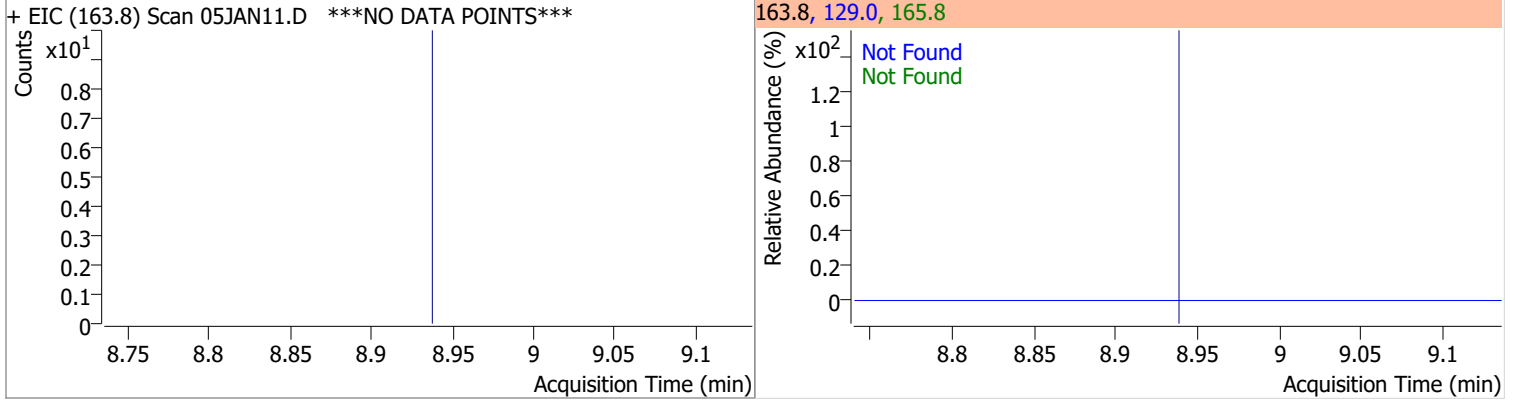


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

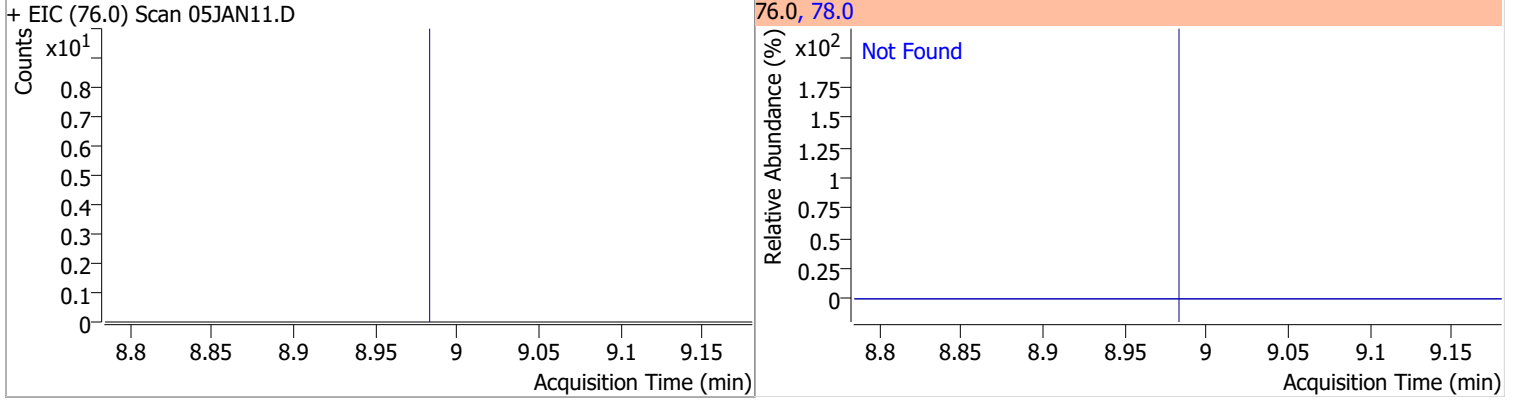


# Quantitation Results Report (QT Reviewed)

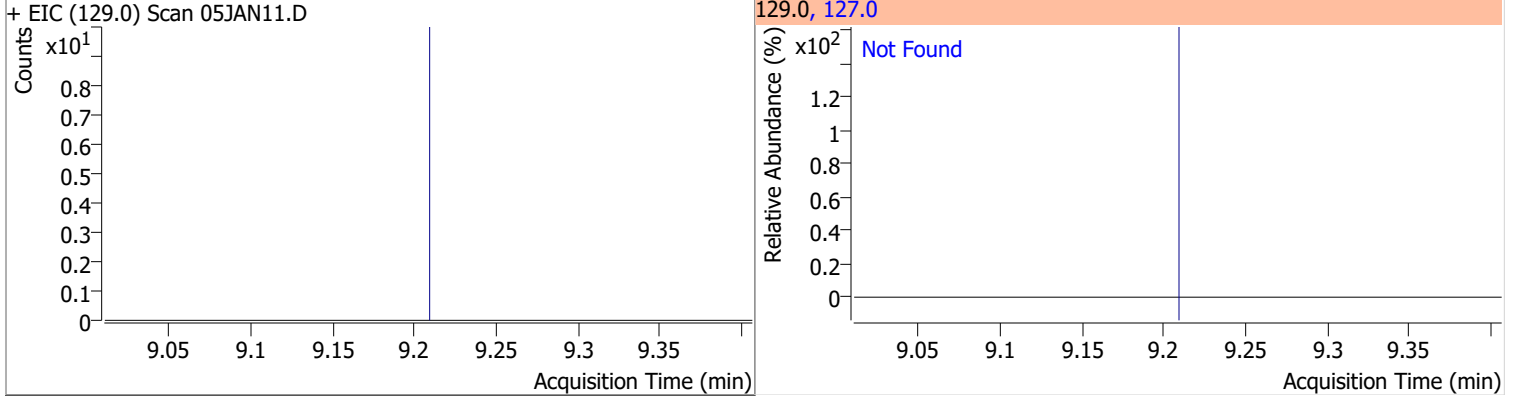
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



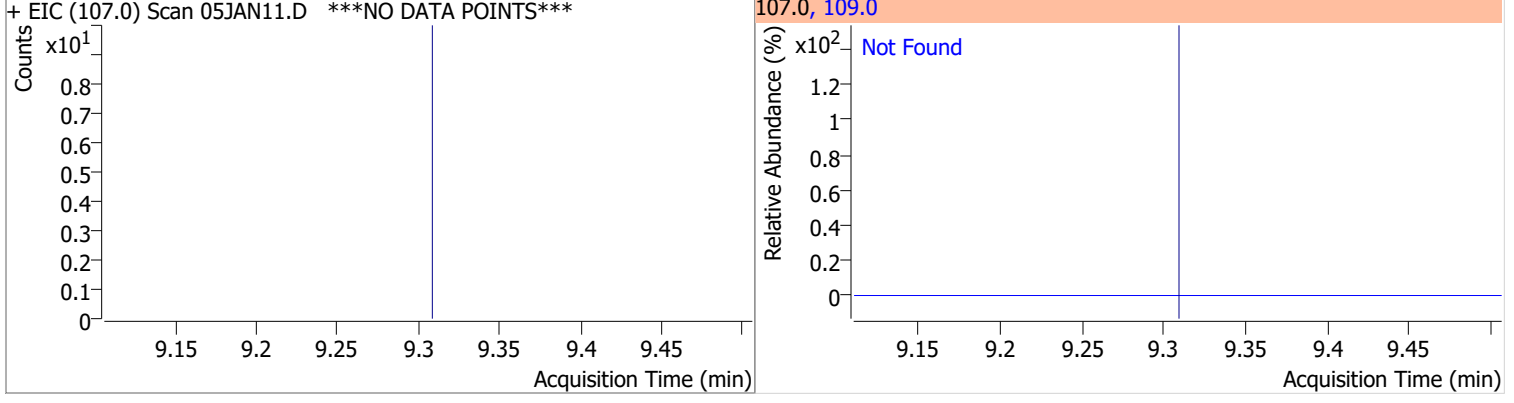
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |

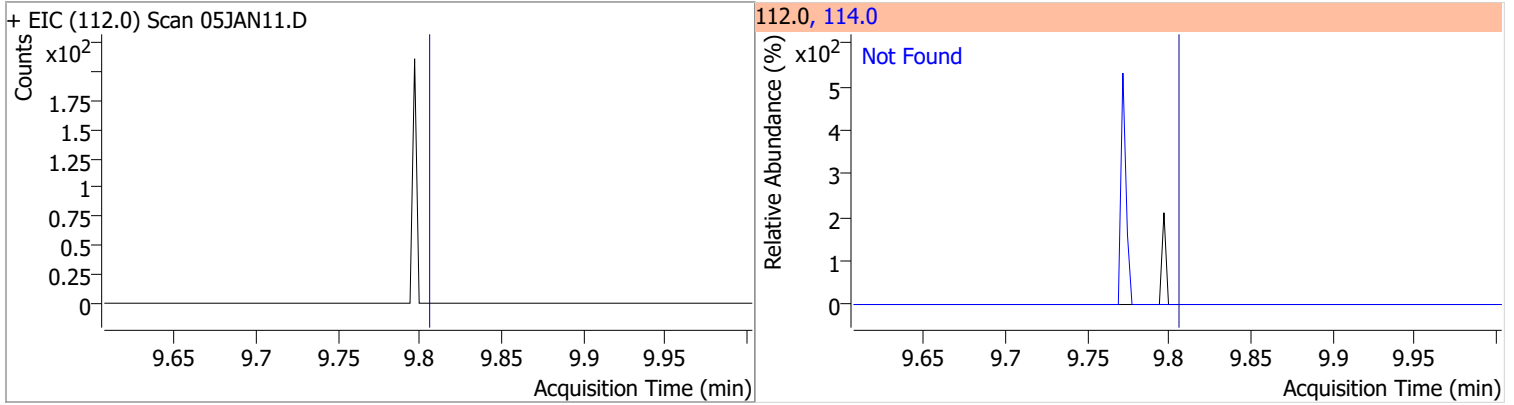


| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |

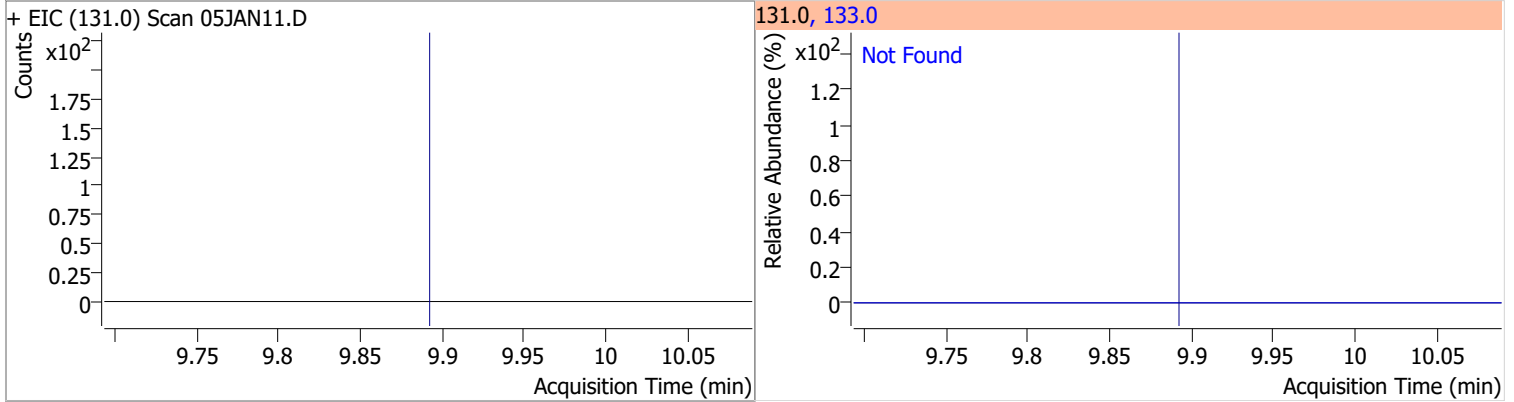


# Quantitation Results Report (QT Reviewed)

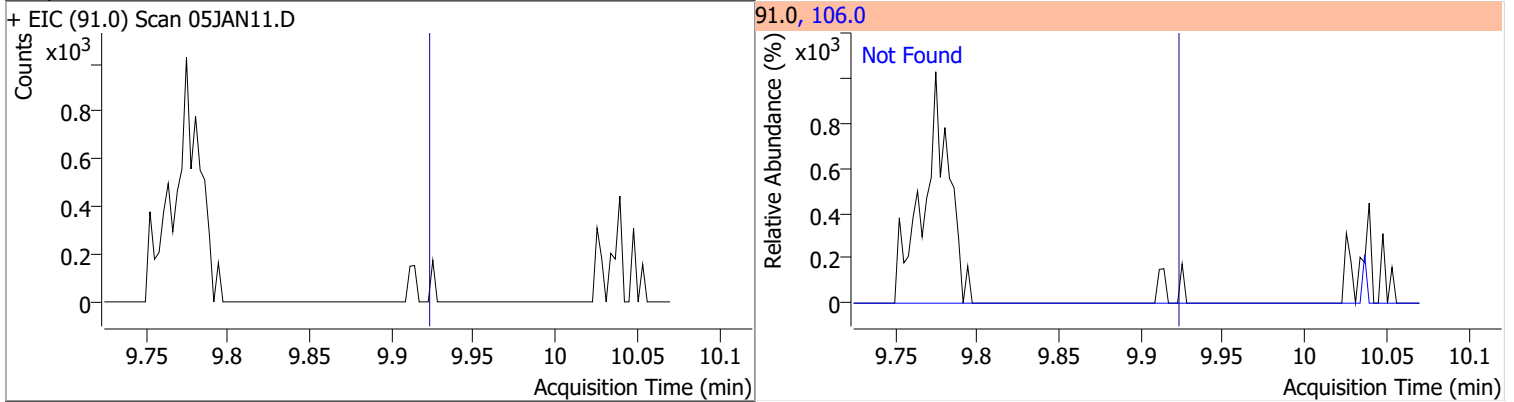
| Compound      | Conc. | Exp RT | QIon  | Exp Ratio |
|---------------|-------|--------|-------|-----------|
| Chlorobenzene | N.D.  | 9.80   | 114.0 | 32.1      |



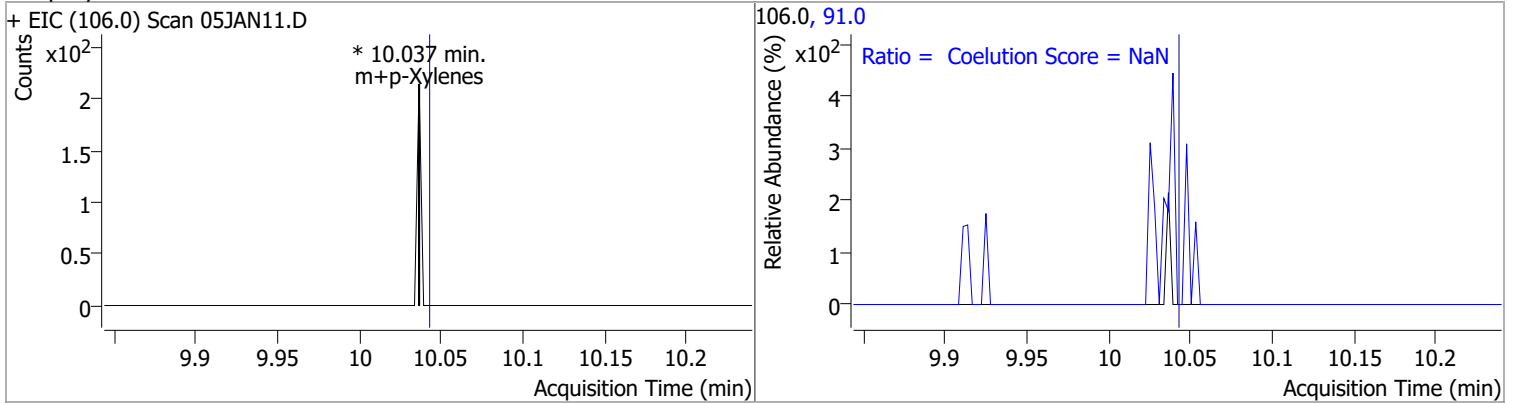
| Compound                  | Conc. | Exp RT | QIon  | Exp Ratio |
|---------------------------|-------|--------|-------|-----------|
| 1,1,1,2-Tetrachloroethane | N.D.  | 9.89   | 133.0 | 98.6      |



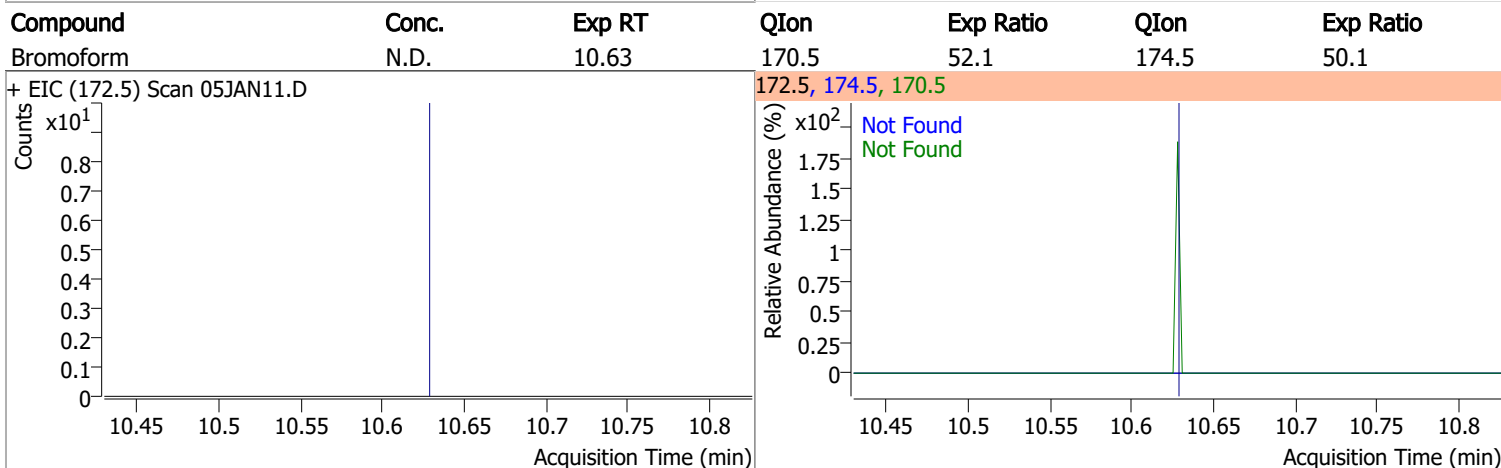
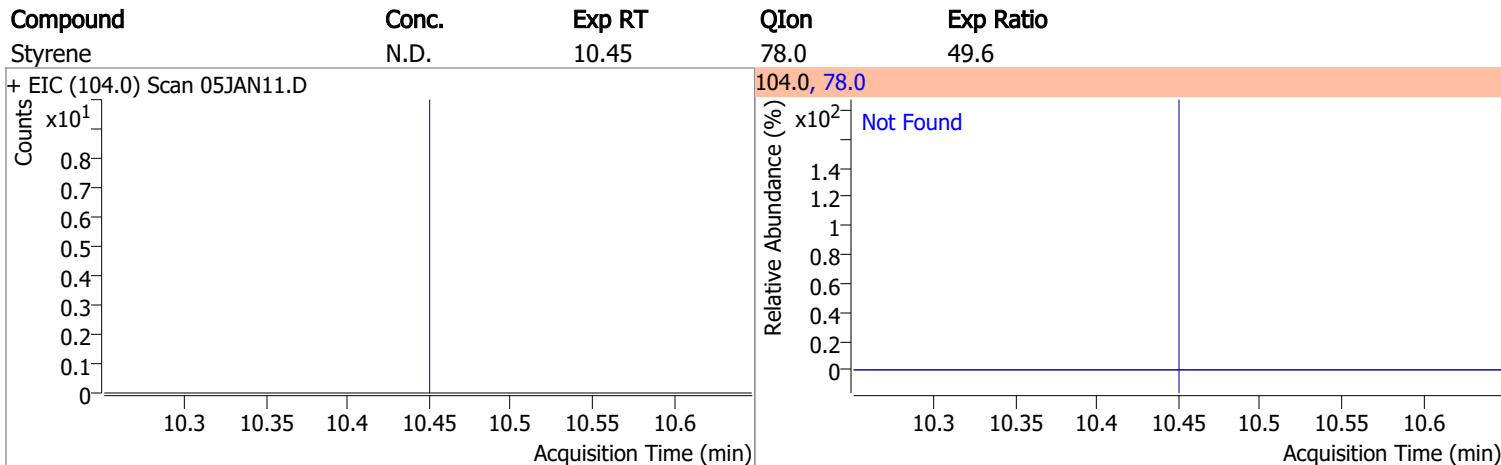
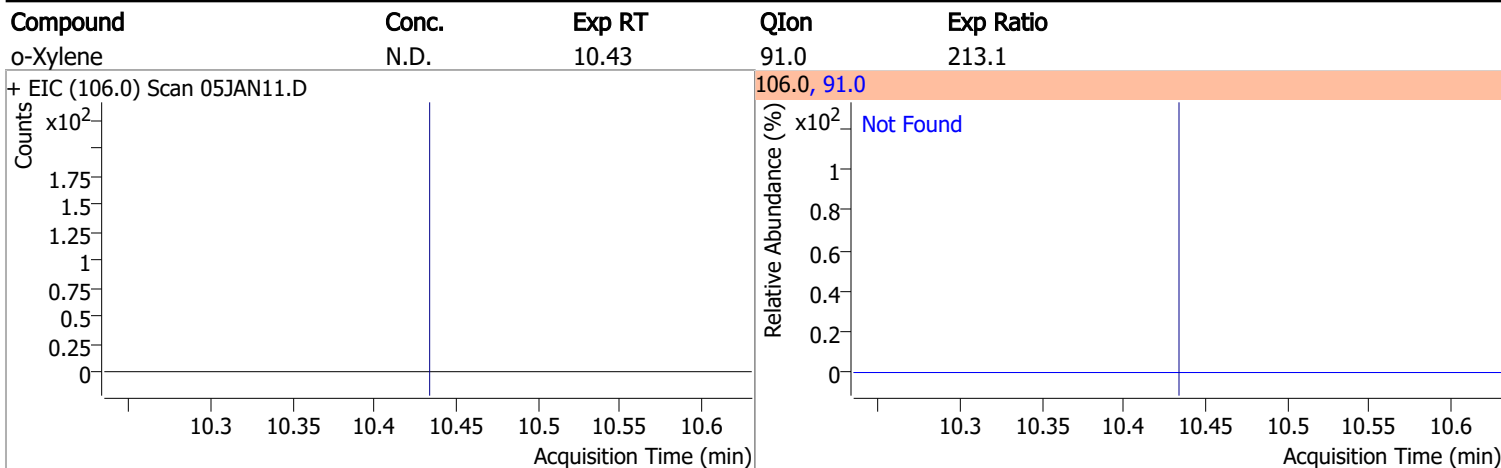
| Compound     | Conc. | Exp RT | QIon  | Exp Ratio |
|--------------|-------|--------|-------|-----------|
| Ethylbenzene | N.D.  | 9.92   | 106.0 | 31.1      |



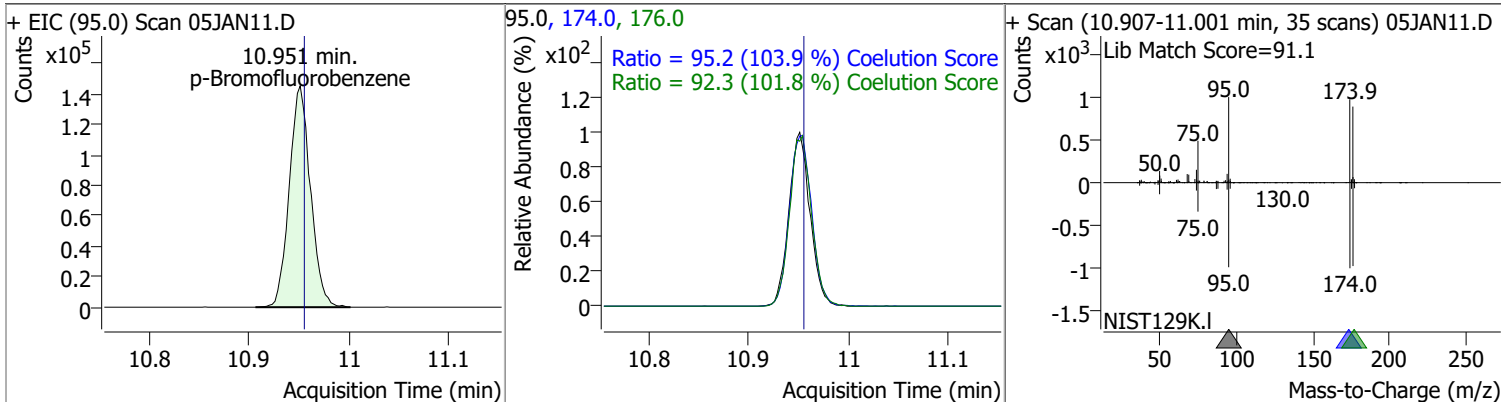
| Compound    | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------|-------|----|----------|-------|------|--------|-------|-------|
| m+p-Xylenes |       | 0  |          | 0     | 91.0 |        | 171.4 | 231.4 |



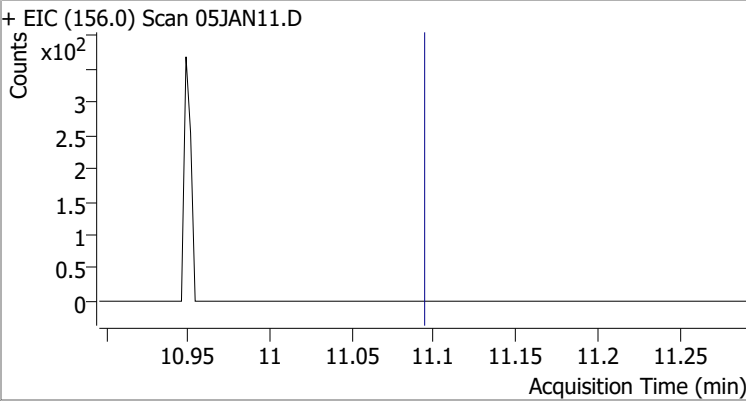
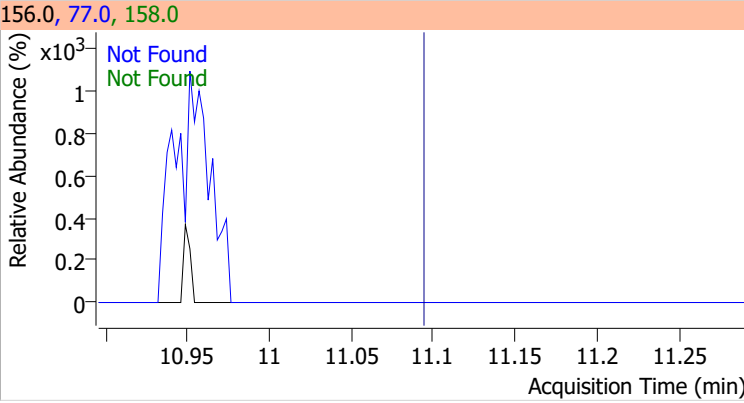
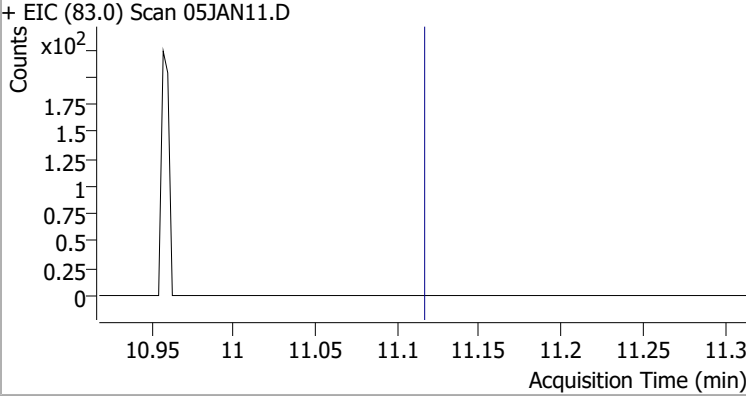
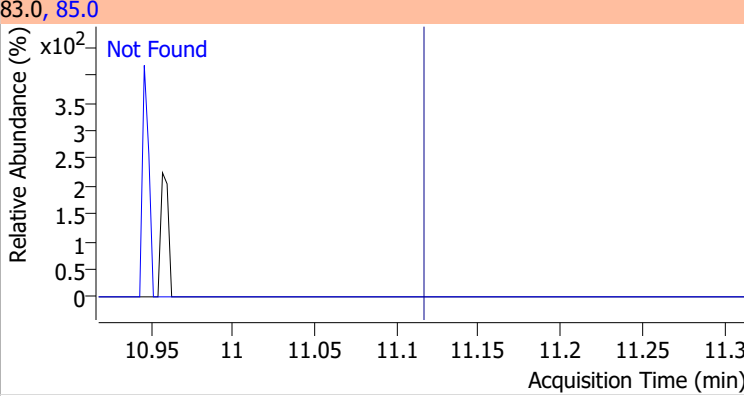
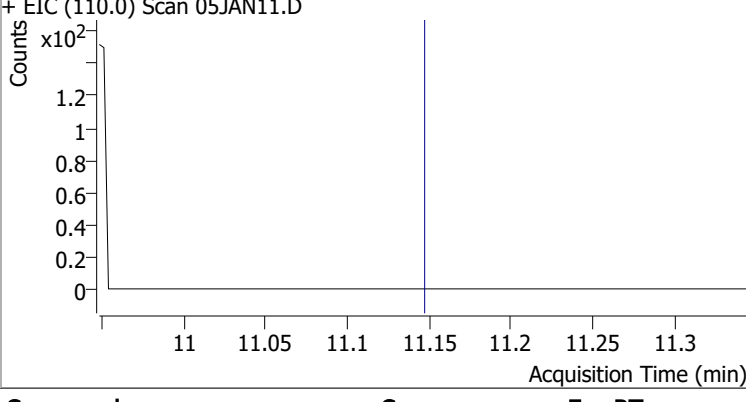
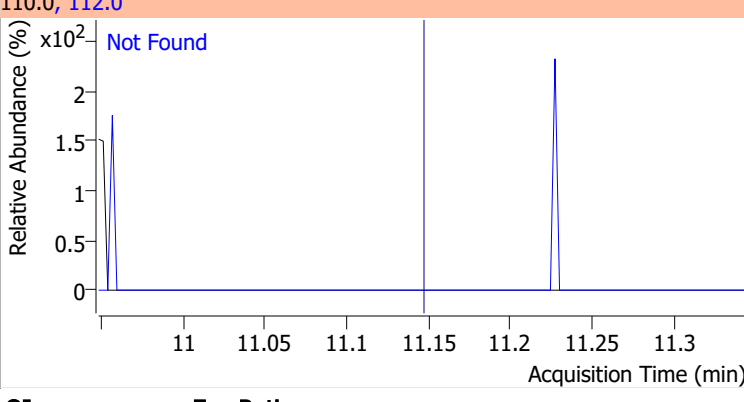
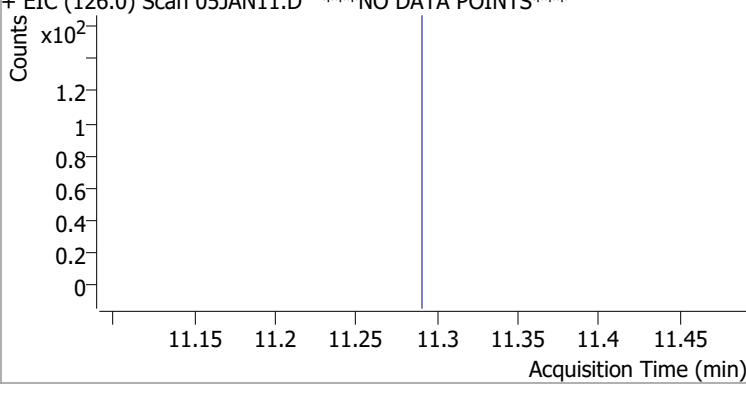
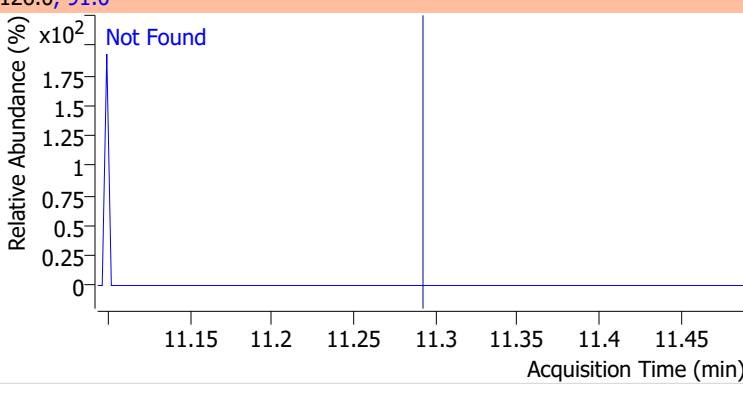
# Quantitation Results Report (QT Reviewed)



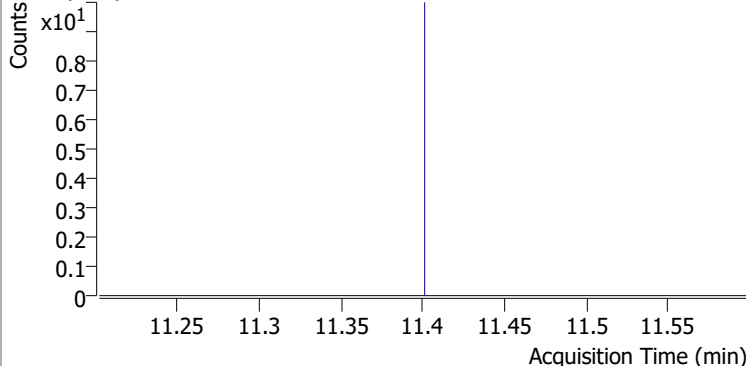
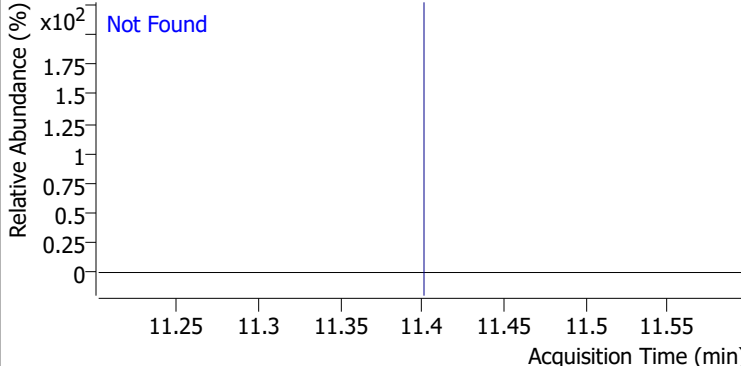
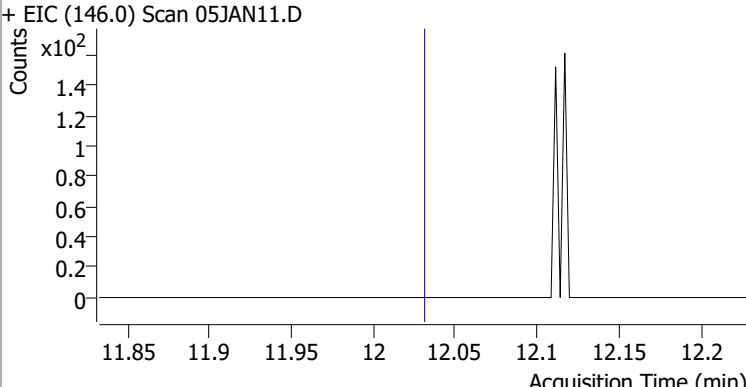
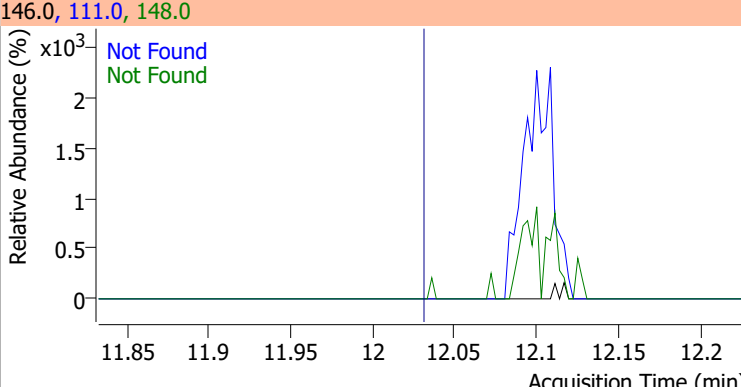
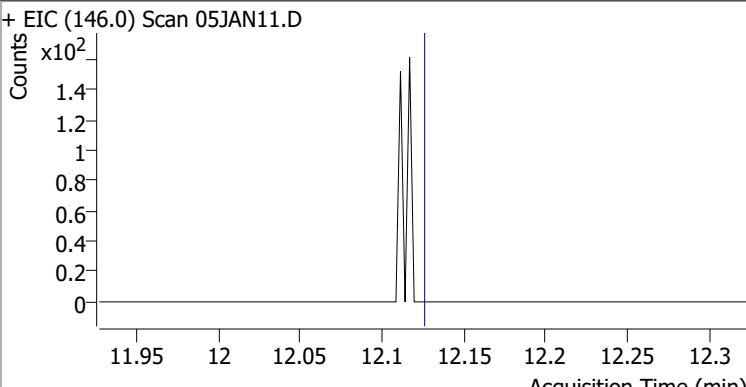
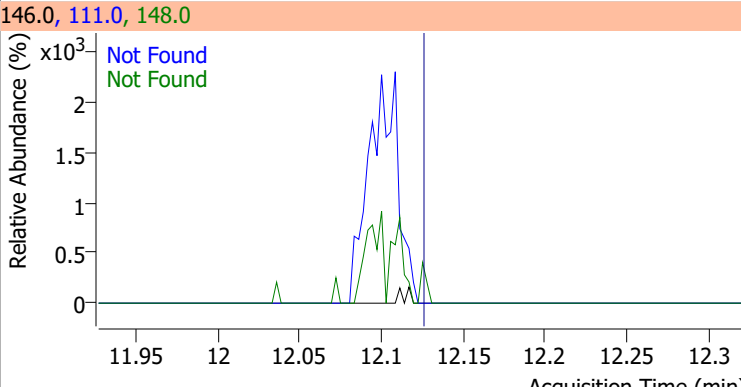
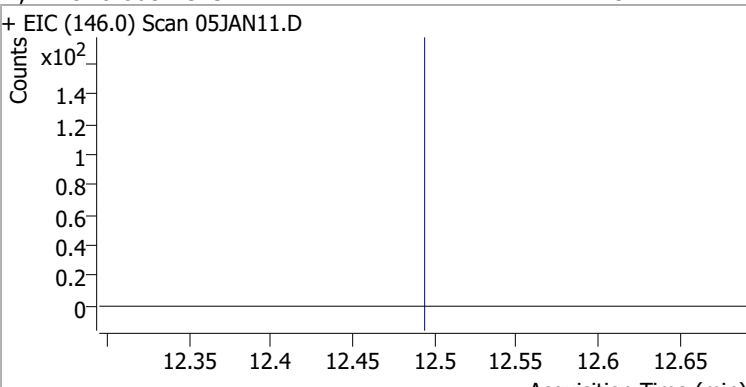
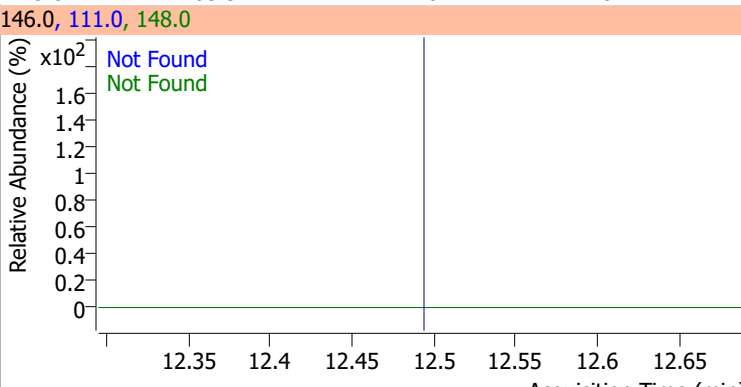
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 270.3999 | 10.95 | 0.00     | 212552 | 174.0 | 95.2   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 92.3   | 60.6  | 120.6 |



# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN11.D   |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN11.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN11.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN11.D ***NO DATA POINTS***                                  |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

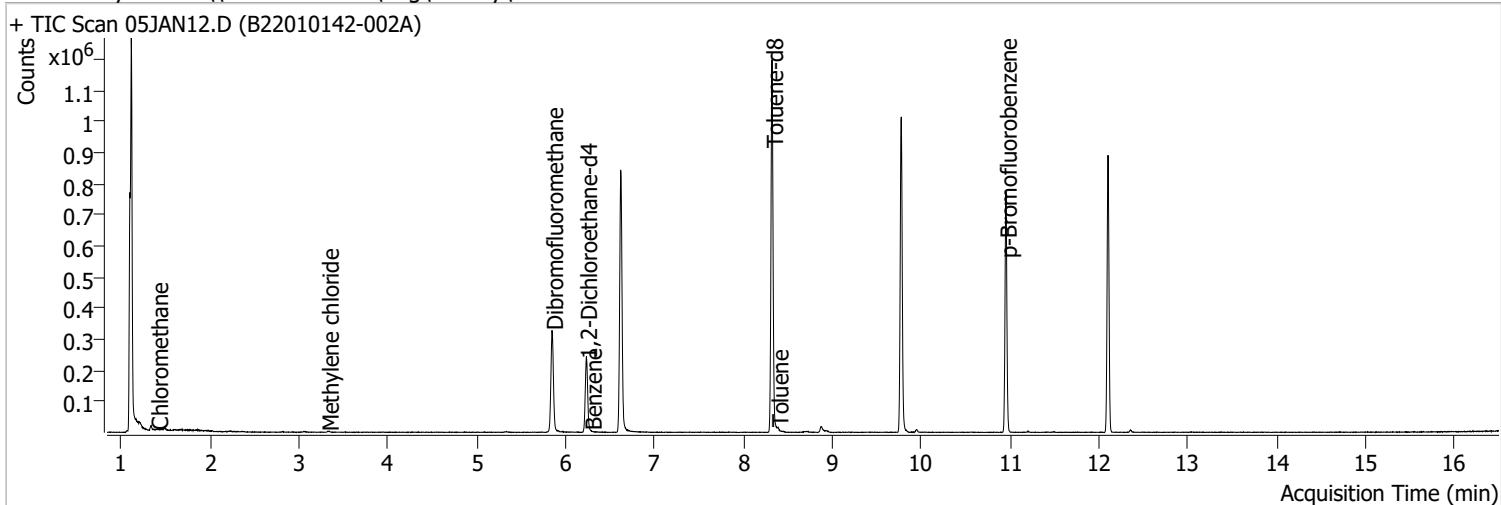
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |
| + EIC (91.0) Scan 05JAN11.D  |       |        | 91.0, 126.0  |           |
|    |       |        |    |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      |
| + EIC (146.0) Scan 05JAN11.D   |       |        | 146.0, 111.0, 148.0  |           |
|   |       |        |   |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      |
| + EIC (146.0) Scan 05JAN11.D   |       |        | 146.0, 111.0, 148.0  |           |
|  |       |        |  |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      |
| + EIC (146.0) Scan 05JAN11.D   |       |        | 146.0, 111.0, 148.0  |           |
|  |       |        |  |           |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN12.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 3:05:50 PM   |
| Sample Name    | B22010142-002A                      | Instrument        | VOA5975C              |
| Vial           | 12                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



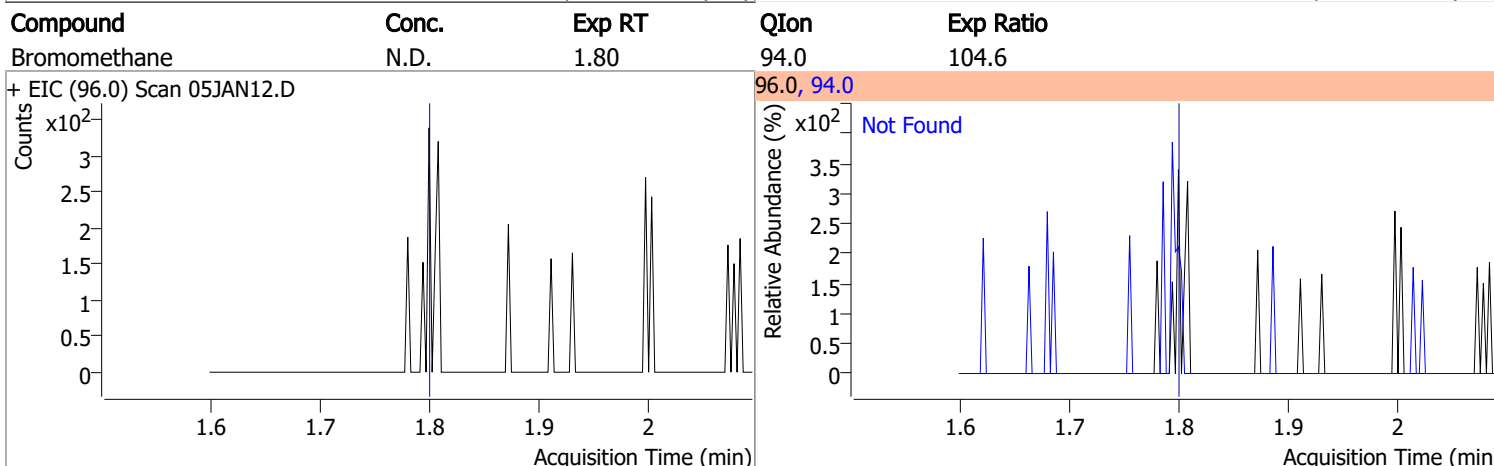
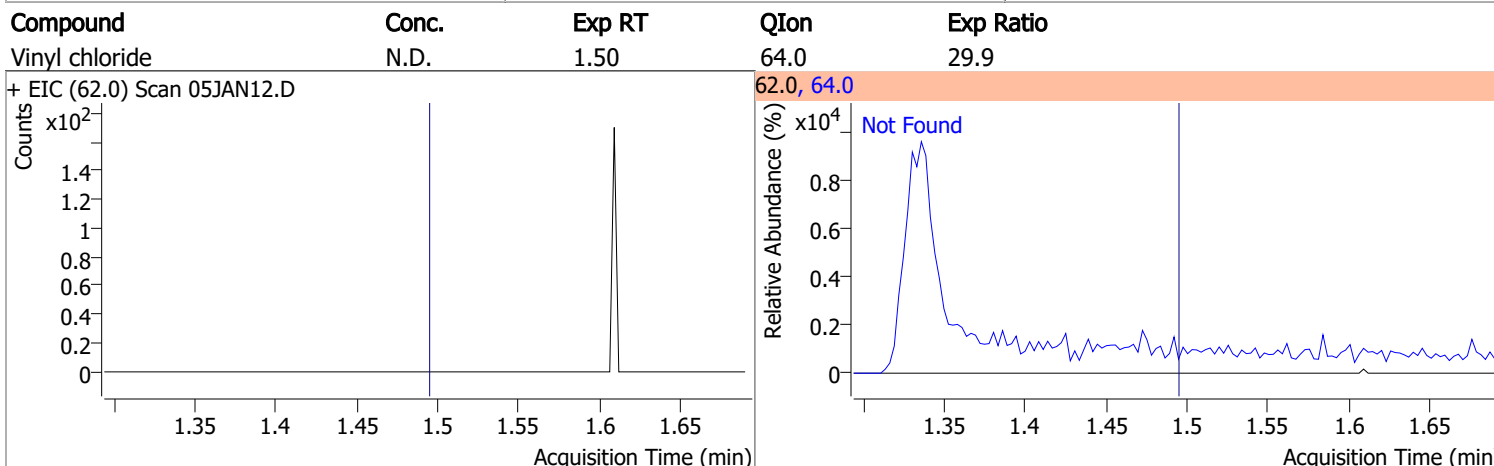
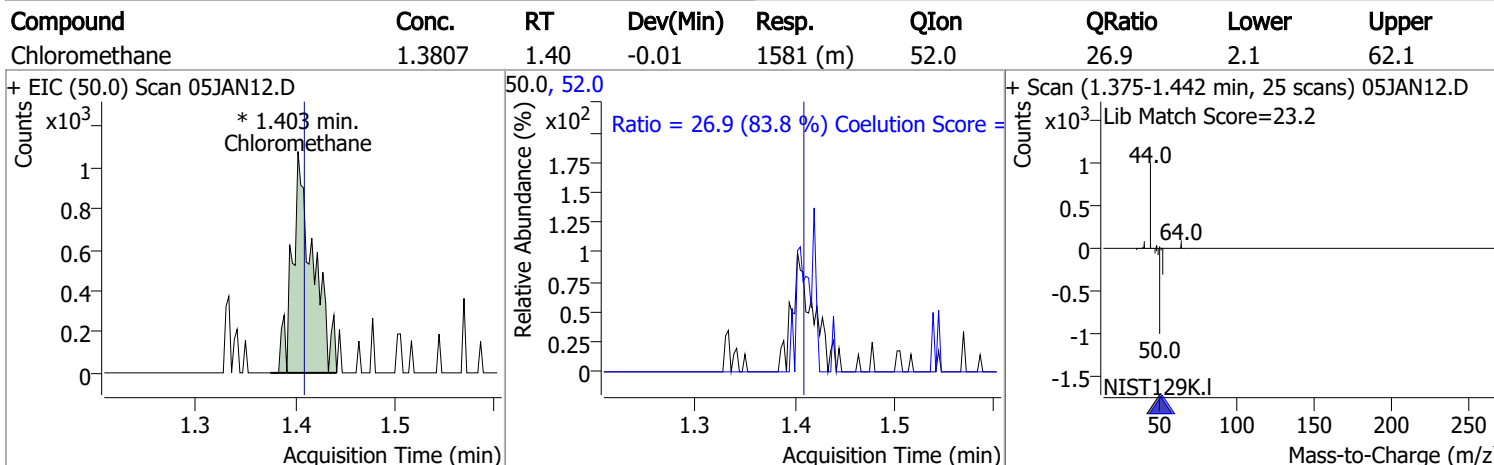
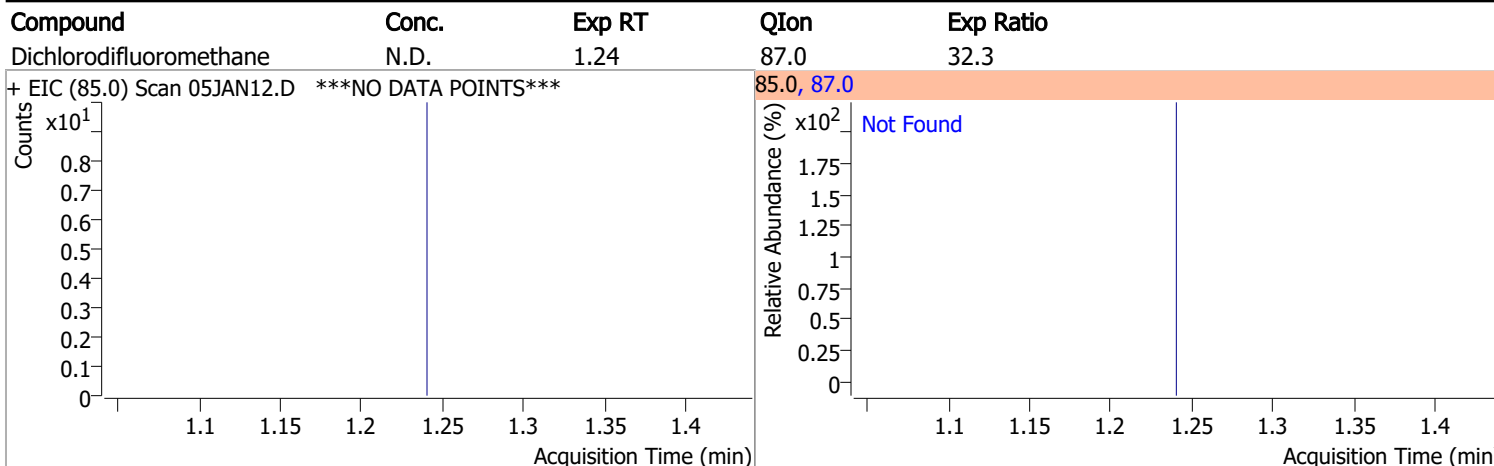
| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 720040 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 283000 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 215663 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 193856 | 285.7755           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 114.31% |       |          |
| S 1,2-Dichloroethane-d4            | 6.230                | 67.0  | 84522  | 288.4724           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 115.39% |       |          |
| S Toluene-d8                       | 8.322                | 98.0  | 728749 | 267.2217           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 106.89% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 214359 | 271.3116           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 108.52% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.403                | 50.0  | 1581   | 1.3807             | ng    | m 91     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.324                | 49.0  | 2370   | 2.2167             | ng    | 93       |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 3.757                | 73.0  | 0      |                    | ng    | md 1     |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 5.658                | 83.0  | 0      |                    | ng    | md 1     |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT    | QIon | Resp. | Conc.  | Units | Dev(Min) |
|-----------------------------|-------|------|-------|--------|-------|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.   |       |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.   |       |          |
| T Benzene                   | 6.280 | 78.0 | 411   | 0.1434 | ng m  | 87       |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.   |       |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.   |       |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.   |       |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.   |       |          |
| T Toluene                   | 8.380 | 92.0 | 2897  | 1.5726 | ng    | 83       |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.   |       |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.   |       |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.   |       |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.   |       |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.   |       |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.   |       |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.   |       |          |
| T Styrene                   | 0.000 |      | 0     | N.D.   |       |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.   |       |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.   |       |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.   |       |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |          |

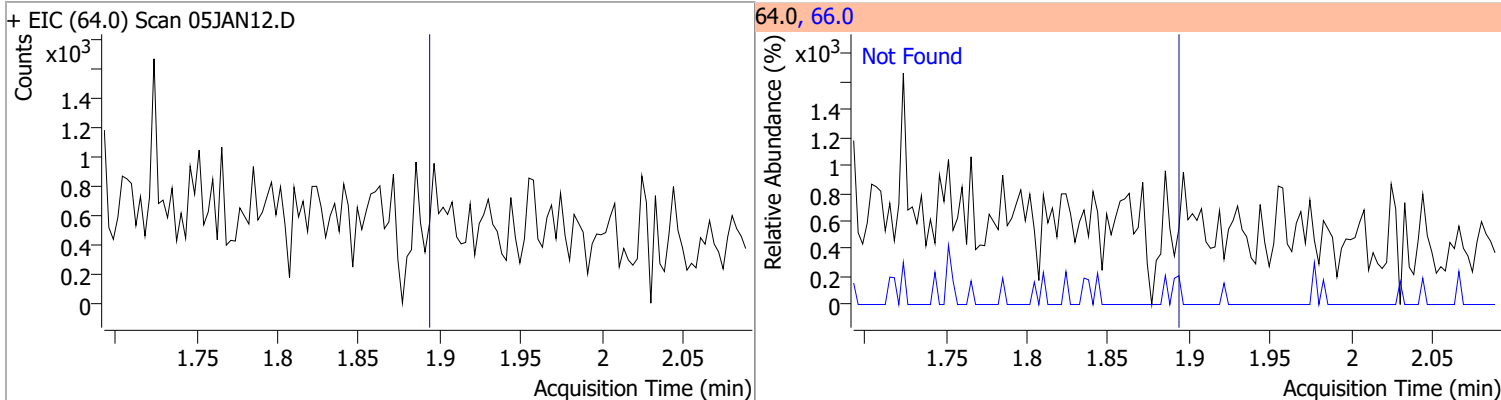
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

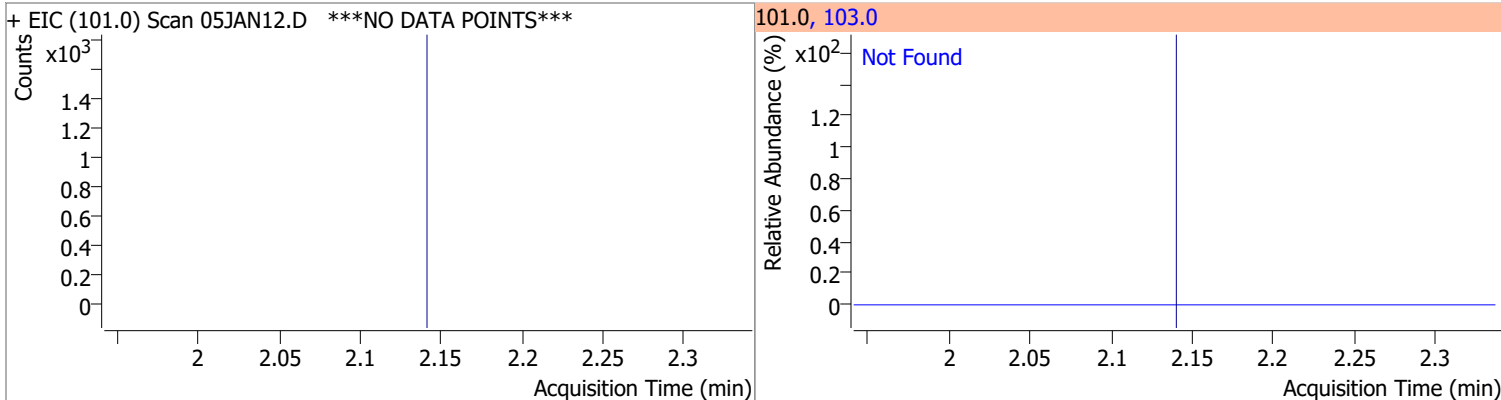


# Quantitation Results Report (QT Reviewed)

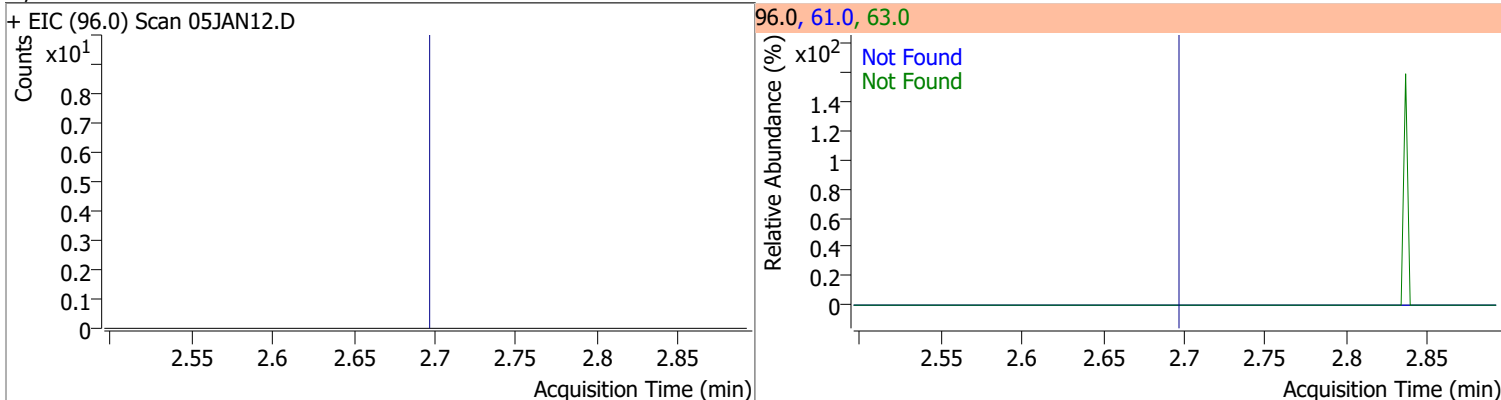
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



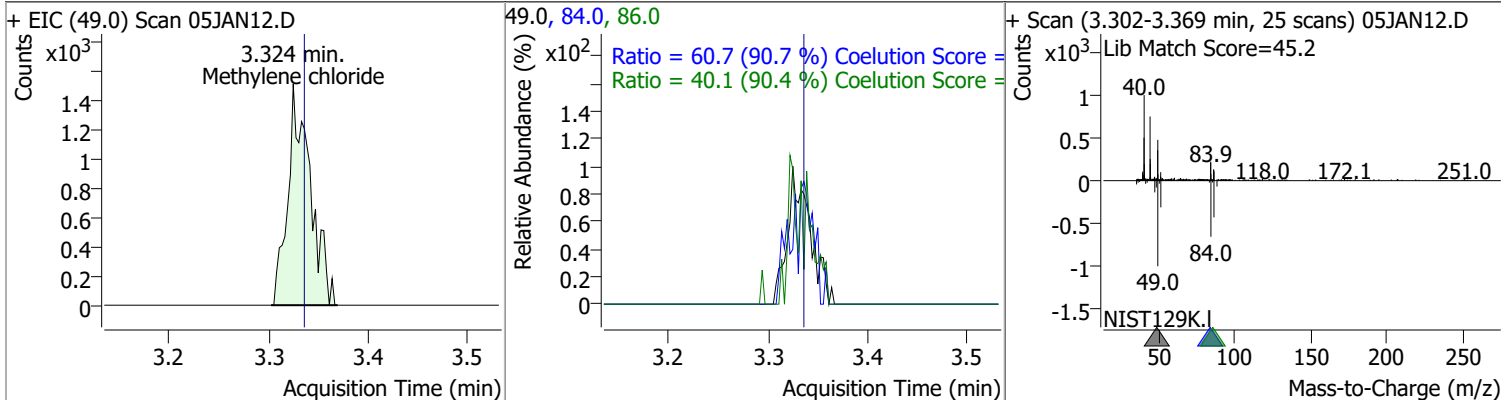
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

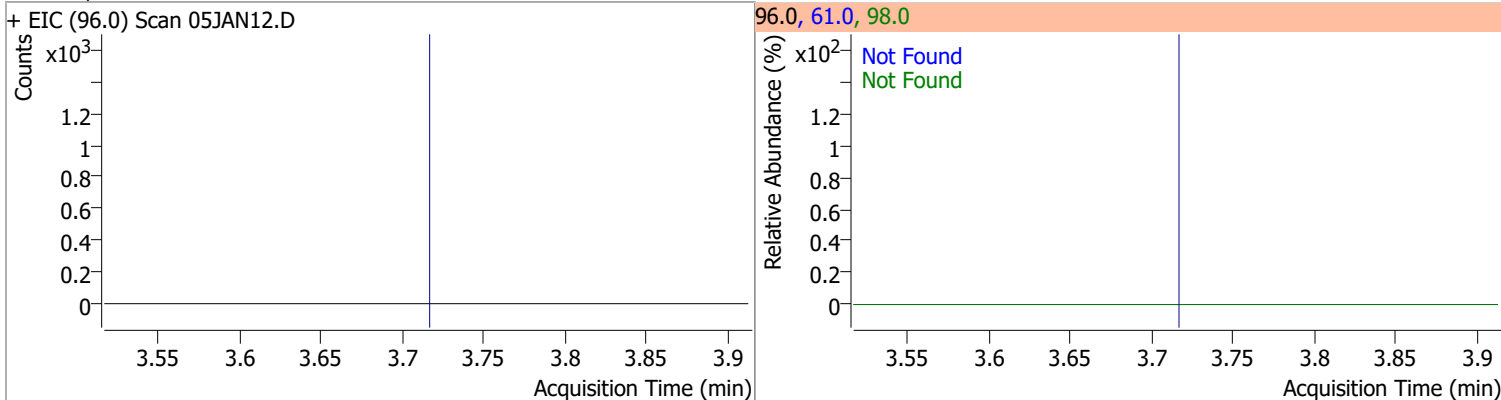


| Compound           | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|-------|------|--------|-------|-------|
| Methylene chloride | 2.2167 | 3.32 | -0.01    | 2370  | 84.0 | 60.7   | 36.9  | 96.9  |
|                    |        |      |          |       | 86.0 | 40.1   | 14.3  | 74.3  |

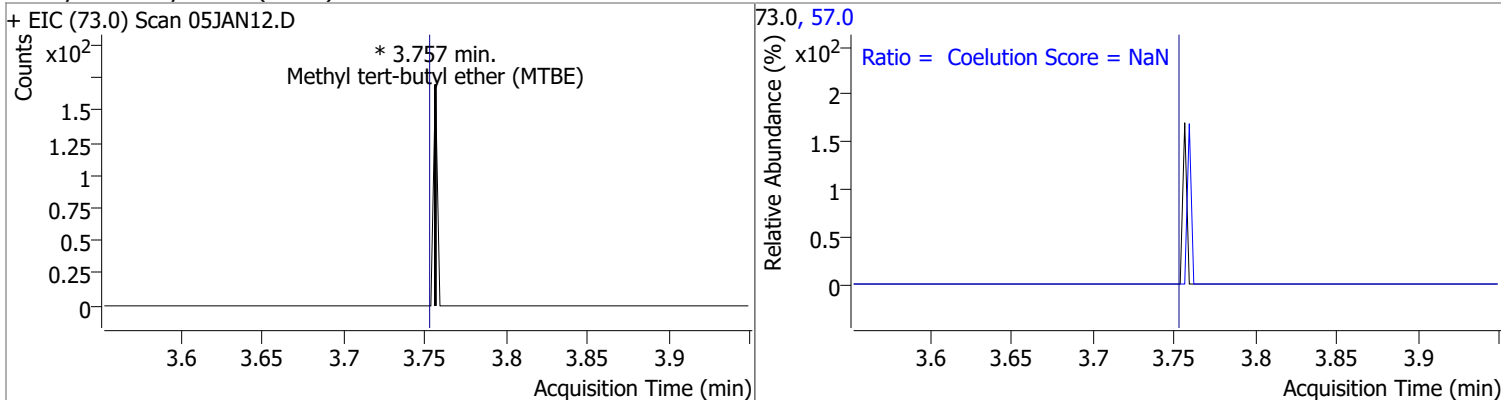


# Quantitation Results Report (QT Reviewed)

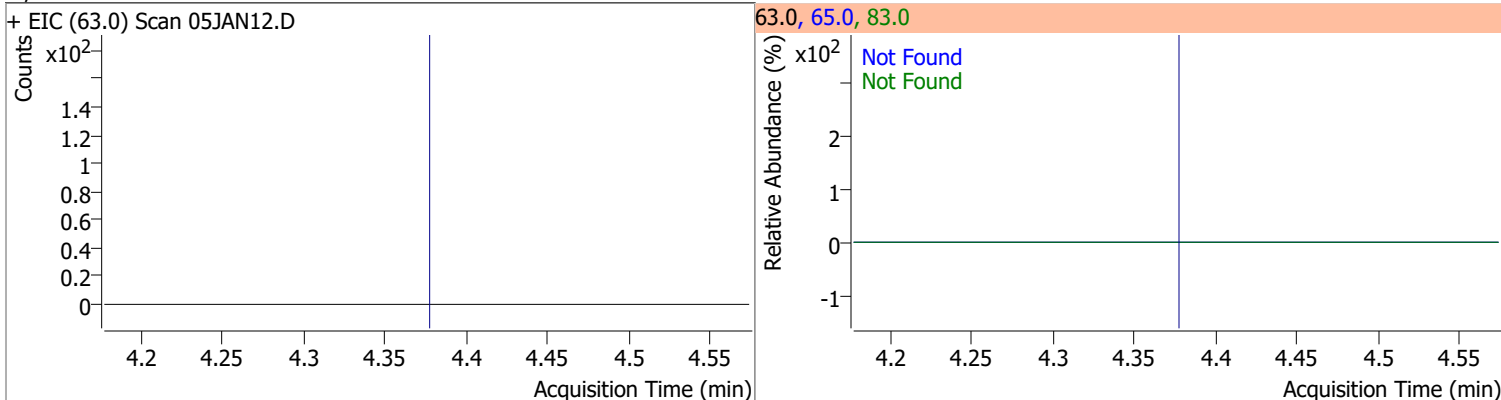
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



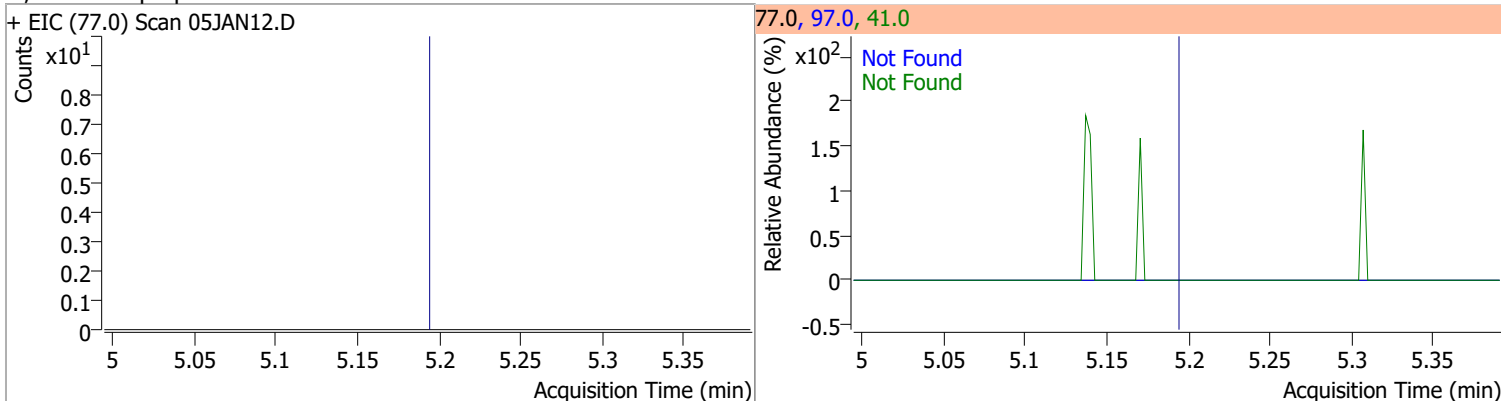
| Compound                       | Conc. | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------------------|-------|-------|----------|-------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 0     | 3.757 |          | 0     | 57.0 |        | 0.0   | 54.6  |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

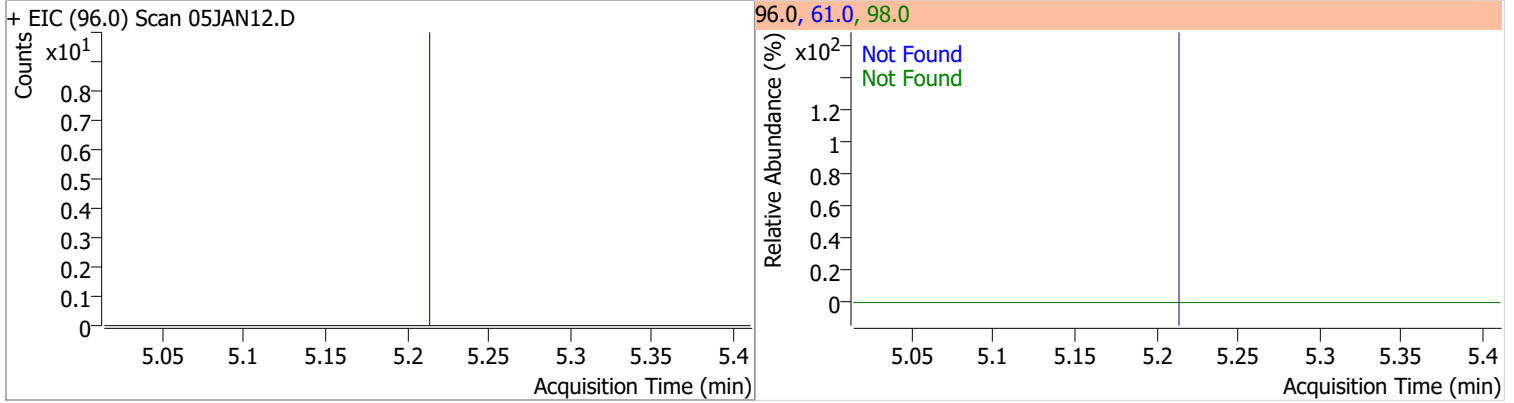


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

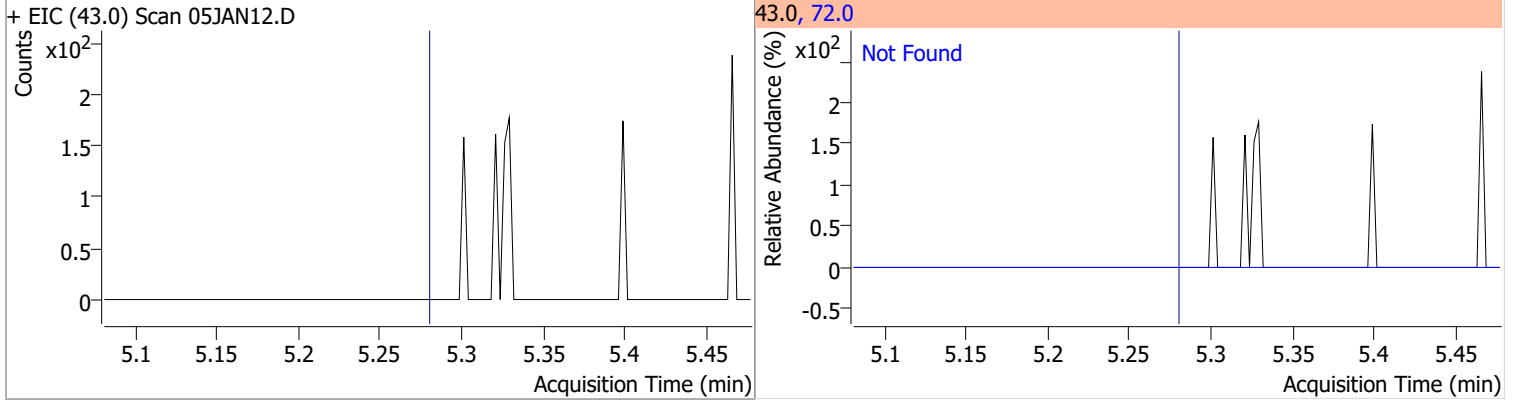


# Quantitation Results Report (QT Reviewed)

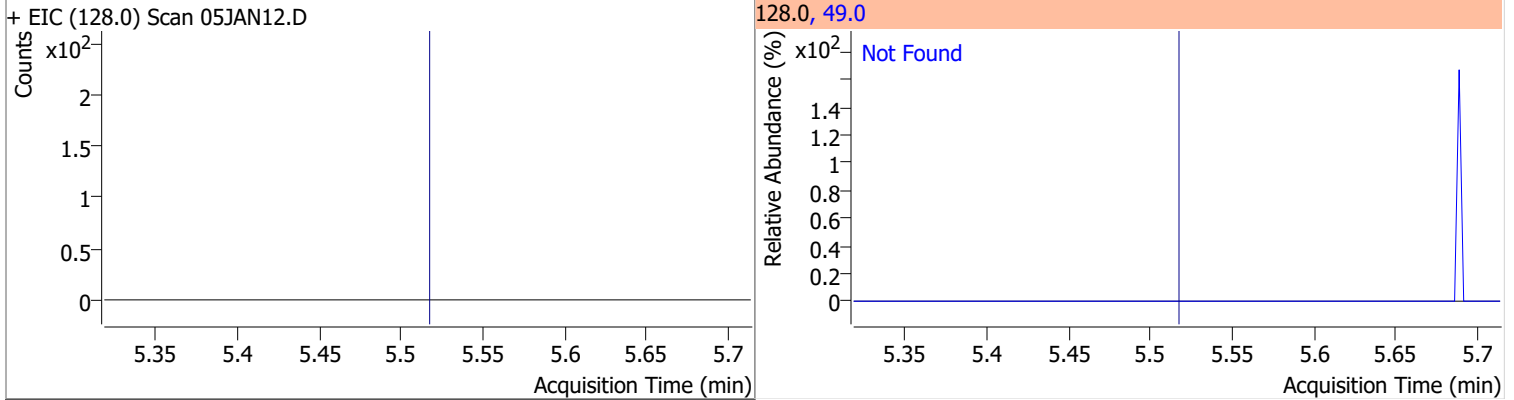
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



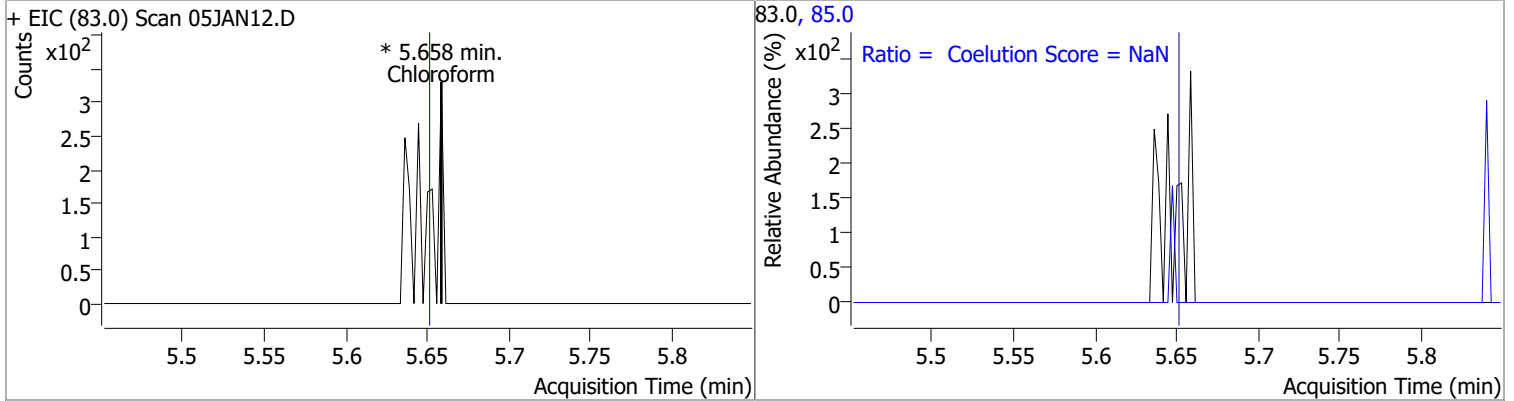
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



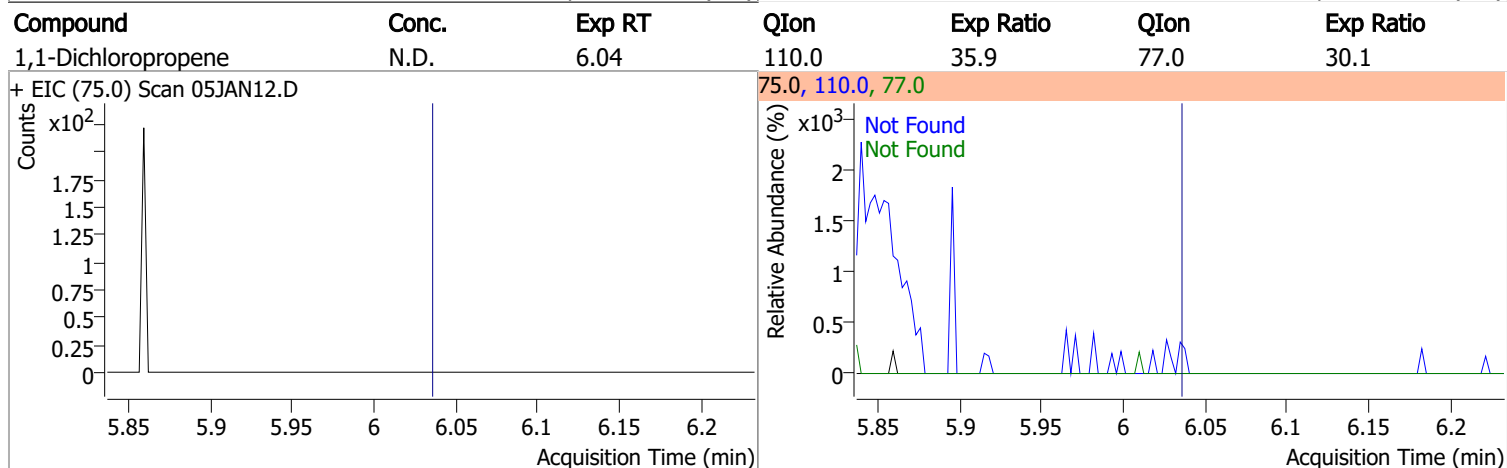
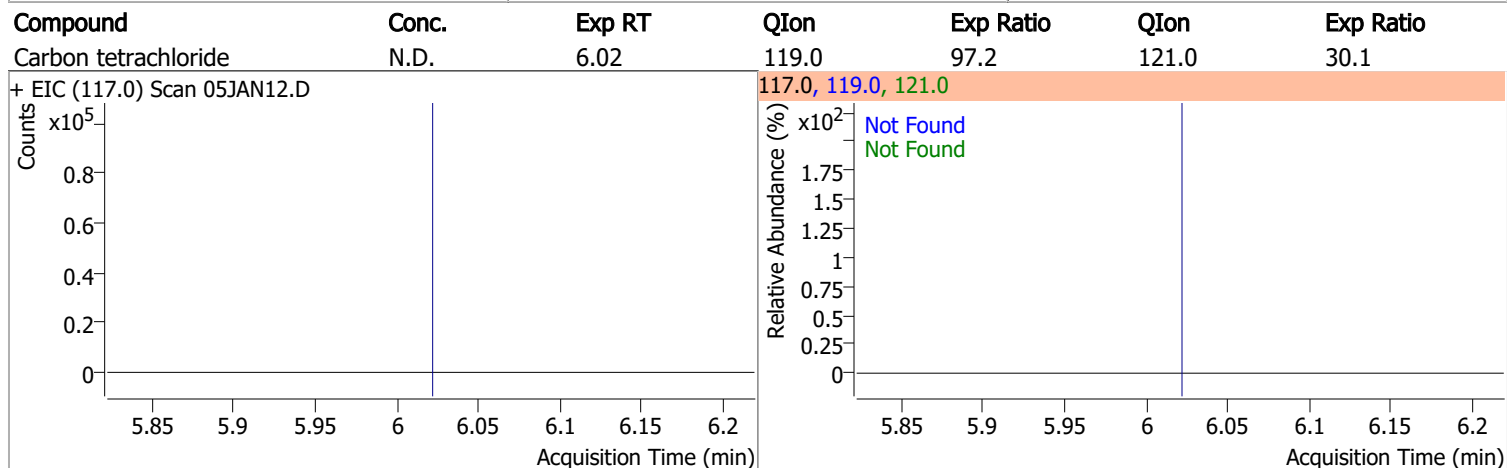
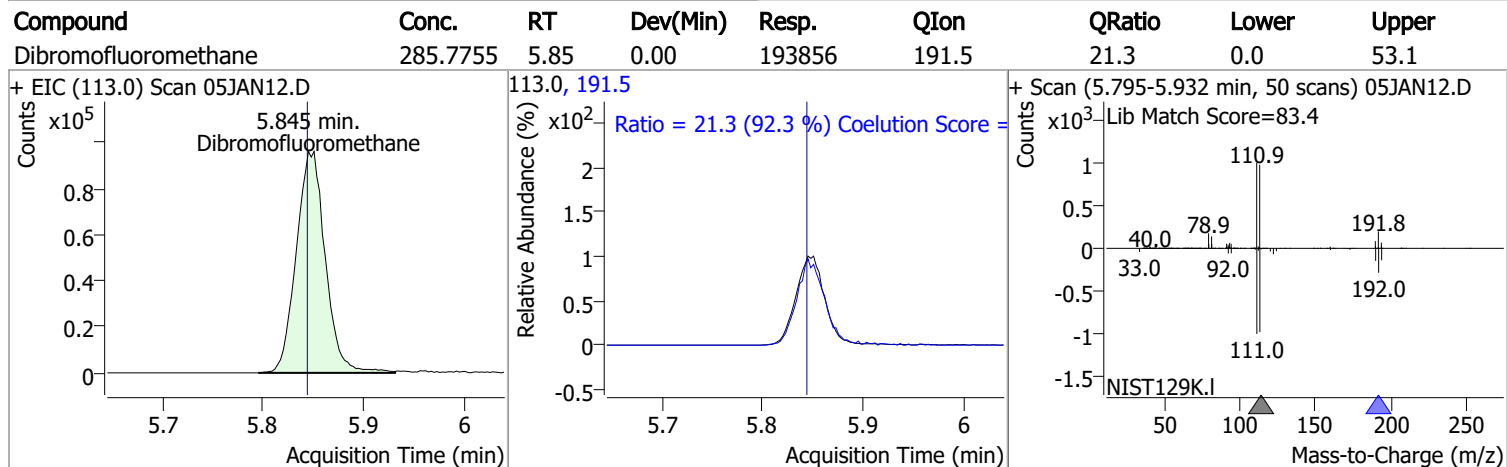
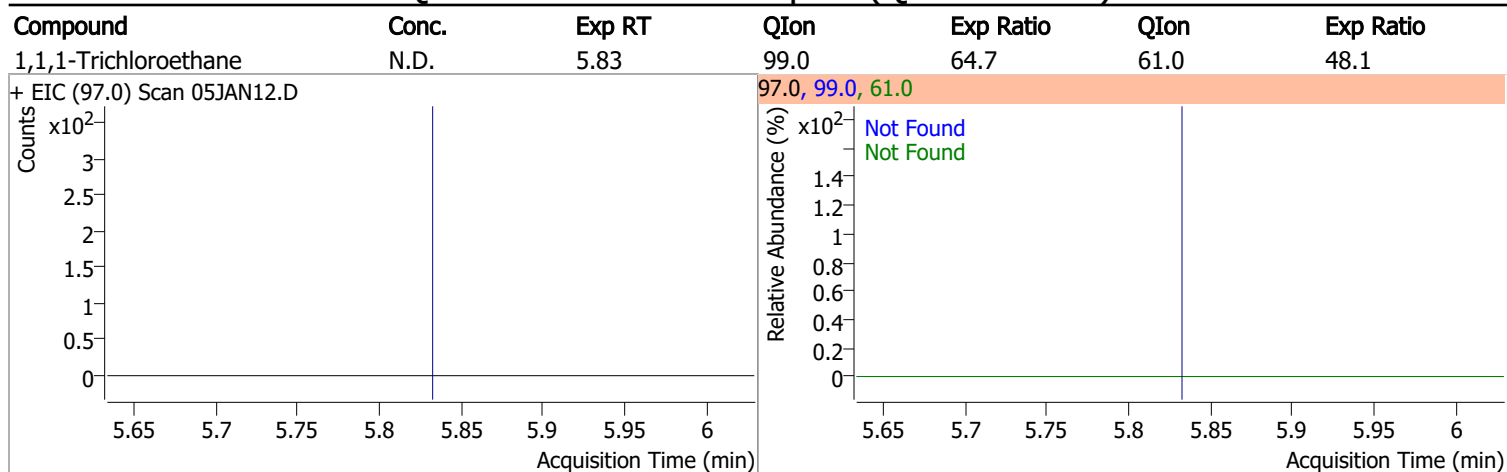
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|-------|----|----------|-------|------|--------|-------|-------|
| Chloroform |       | 0  |          | 0     | 85.0 |        | 36.0  | 96.0  |

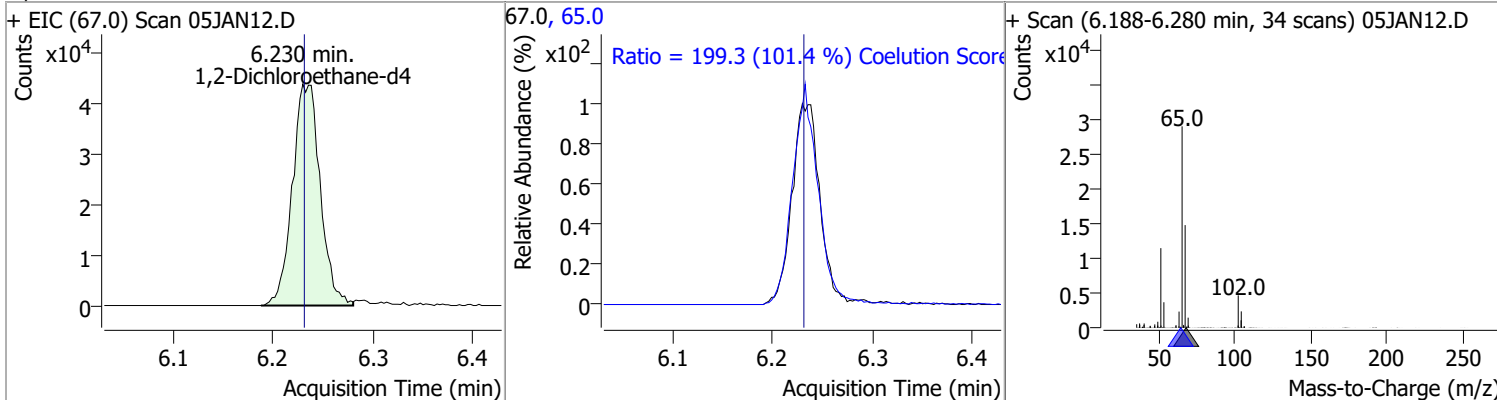


# Quantitation Results Report (QT Reviewed)

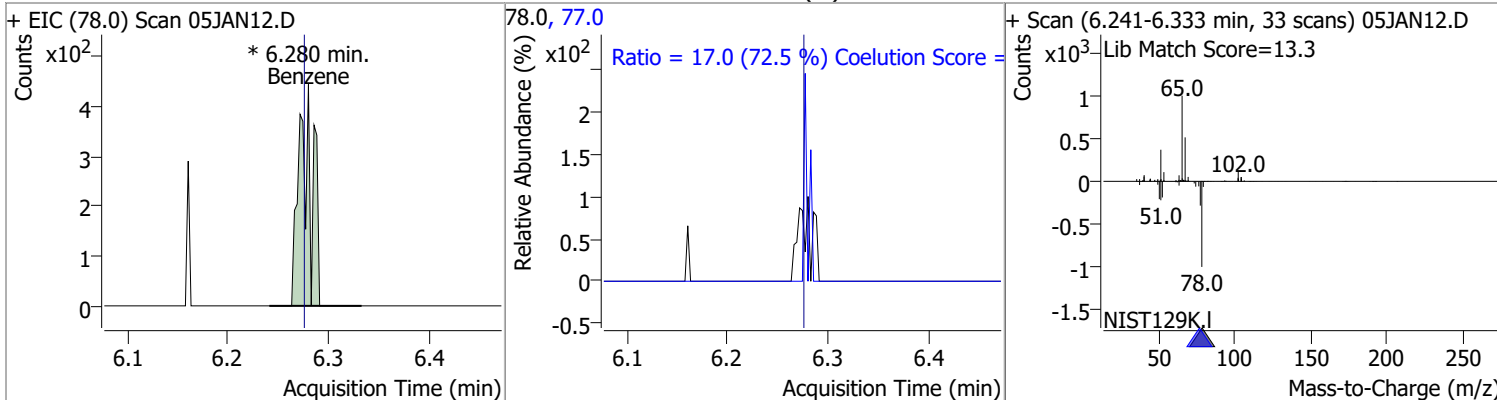


# Quantitation Results Report (QT Reviewed)

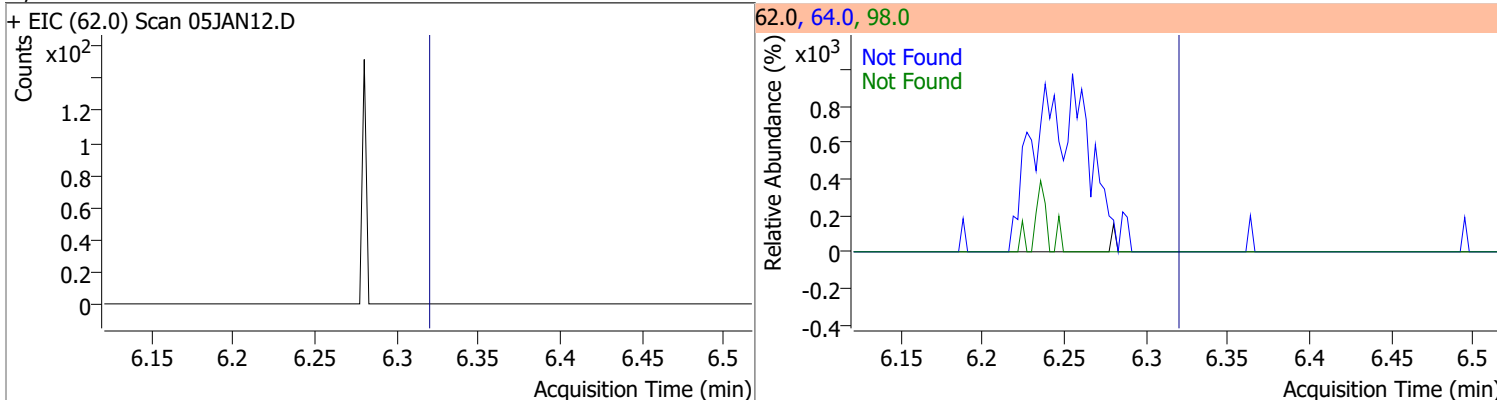
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 288.4724 | 6.23 | 0.00     | 84522 | 65.0 | 199.3  | 166.5 | 226.5 |



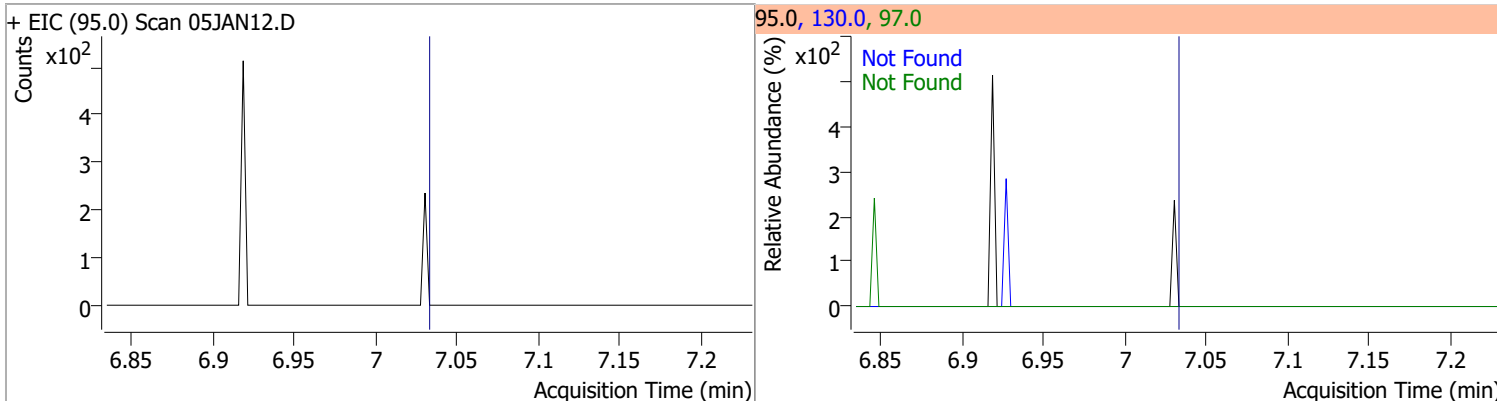
| Compound | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 0.1434 | 6.28 | 0.00     | 411 (m) | 77.0 | 17.0   | 0.0   | 53.5  |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |

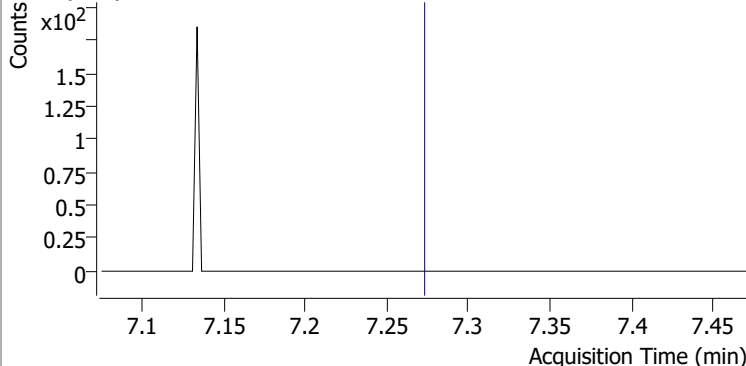
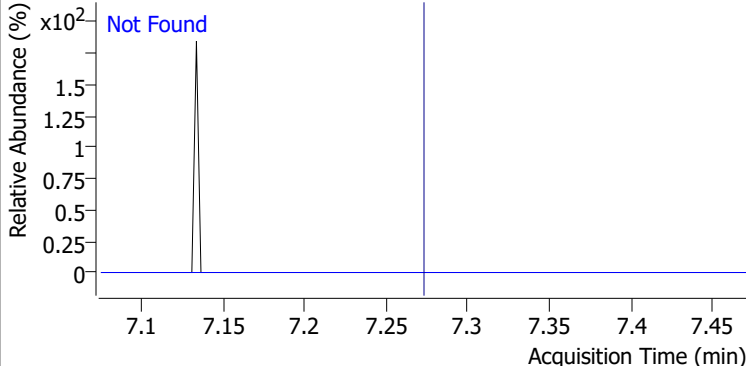
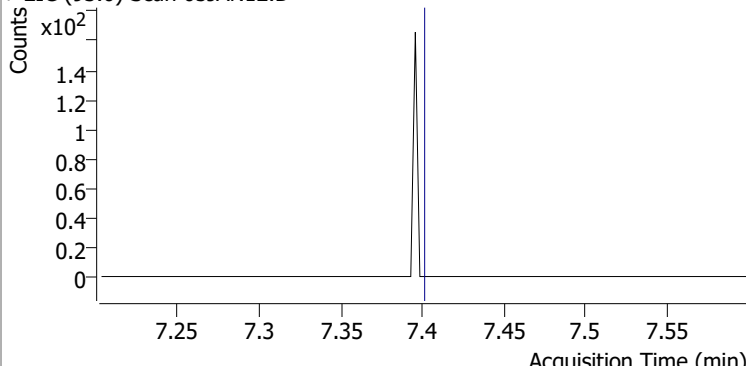
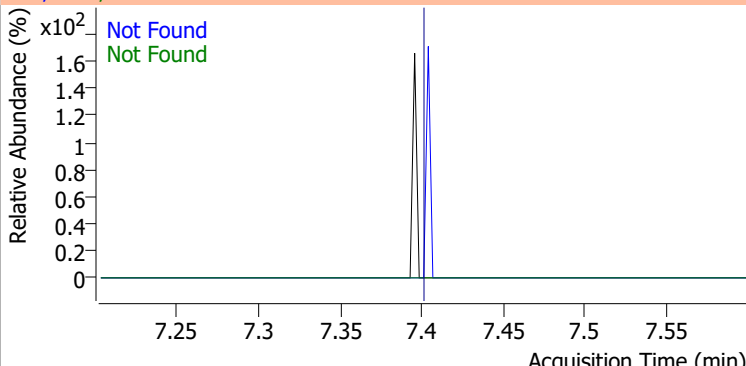
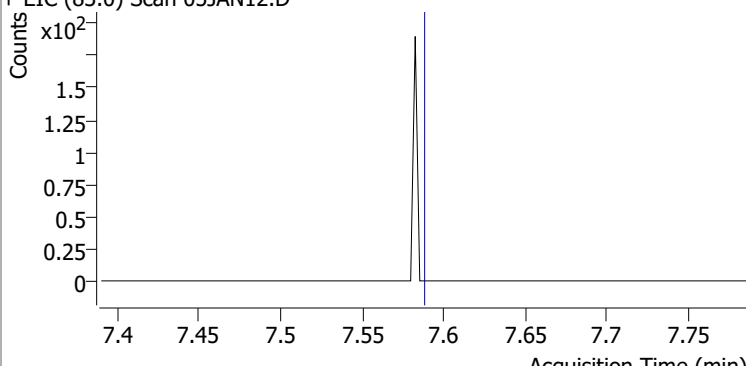
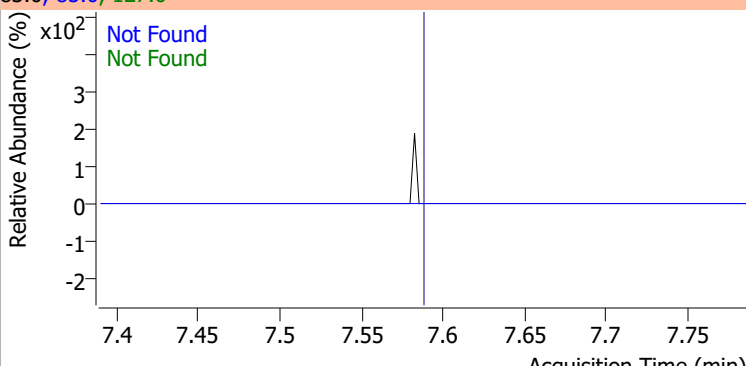
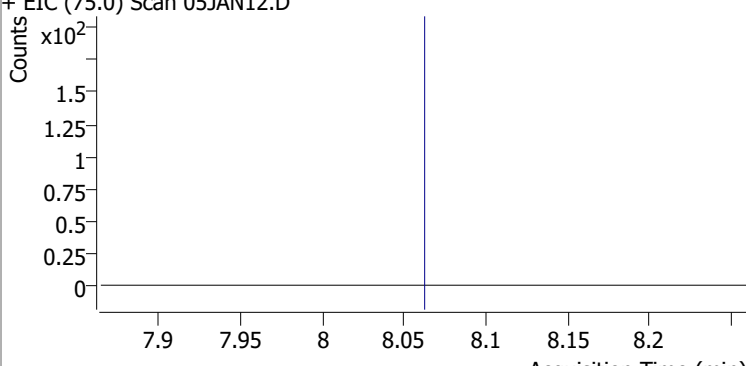
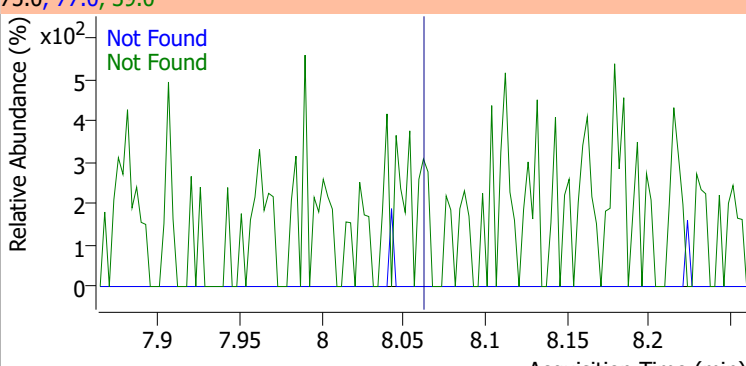


| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |



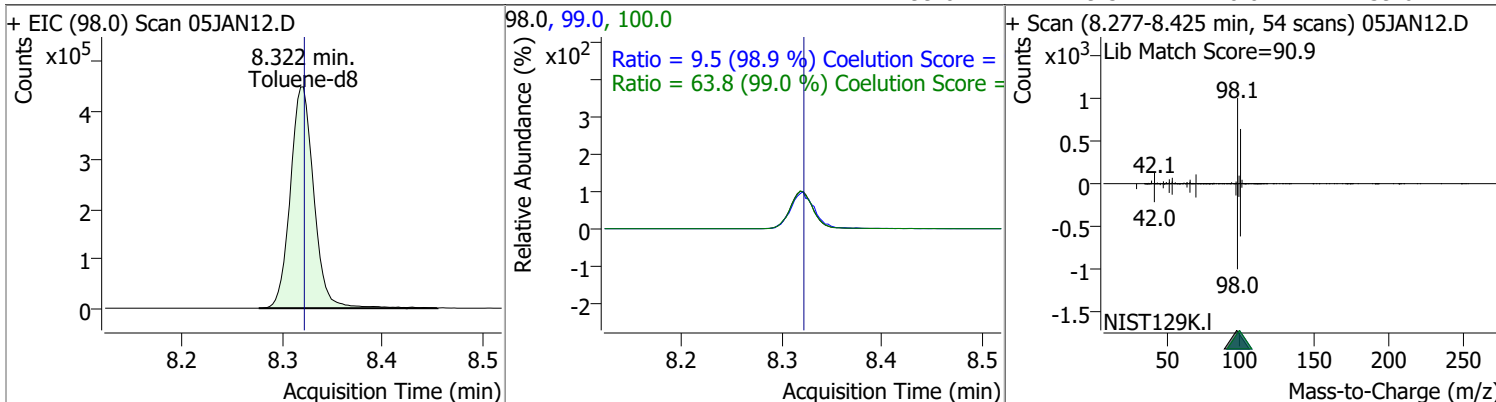


# Quantitation Results Report (QT Reviewed)

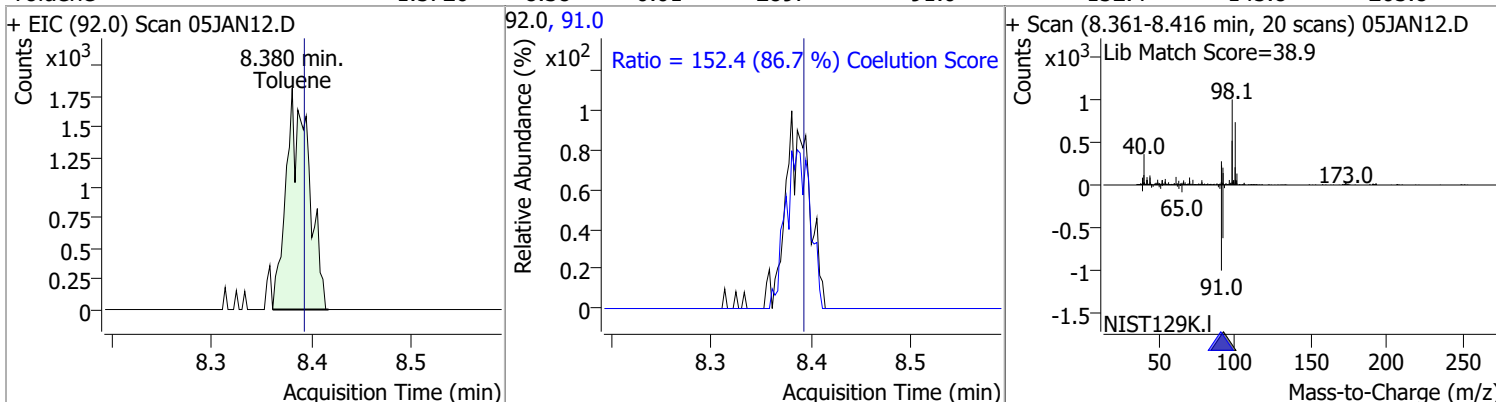
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |       |           |
|--|-------|--------|--|-----------|-------|-----------|
| 1,2-Dichloropropane  | N.D.  | 7.27   | 76.0   | 38.2      |       |           |
| + EIC (63.0) Scan 05JAN12.D  |       |        | 63.0, 76.0   |           |       |           |
|    |       |        |    |           |       |           |
| Dibromomethane   | N.D.  | 7.40   | 173.5  | 113.7     | QIon  | Exp Ratio |
|  |       |        |  |           | 95.0  | 82.2      |
| + EIC (93.0) Scan 05JAN12.D  |       |        | 93.0, 95.0, 173.5  |           |       |           |
|   |       |        |   |           |       |           |
| Bromodichloromethane   | N.D.  | 7.59   | 85.0   | 64.5      | QIon  | Exp Ratio |
|  |       |        |  |           | 127.0 | 9.6       |
| + EIC (83.0) Scan 05JAN12.D  |       |        | 83.0, 85.0, 127.0  |           |       |           |
|  |       |        |  |           |       |           |
| cis-1,3-Dichloropropene  | N.D.  | 8.06   | 39.0   | 53.3      | QIon  | Exp Ratio |
|  |       |        |  |           | 77.0  | 31.0      |
| + EIC (75.0) Scan 05JAN12.D  |       |        | 75.0, 77.0, 39.0   |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

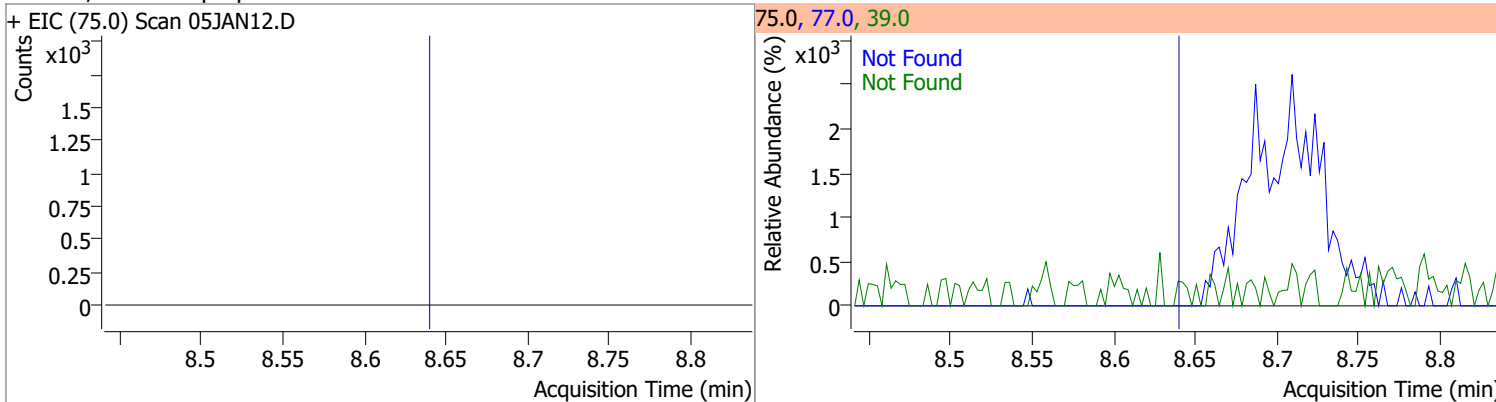
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 267.2217 | 8.32 | 0.00     | 728749 | 100.0 | 63.8   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.5    | 0.0   | 39.6  |



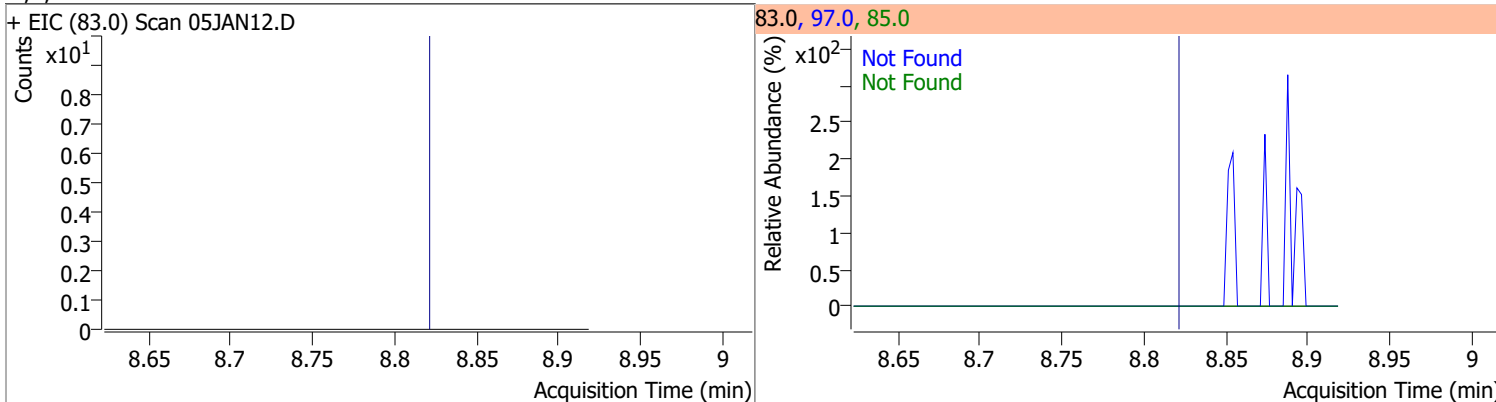
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| Toluene  | 1.5726 | 8.38 | -0.01    | 2897  | 91.0 | 152.4  | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

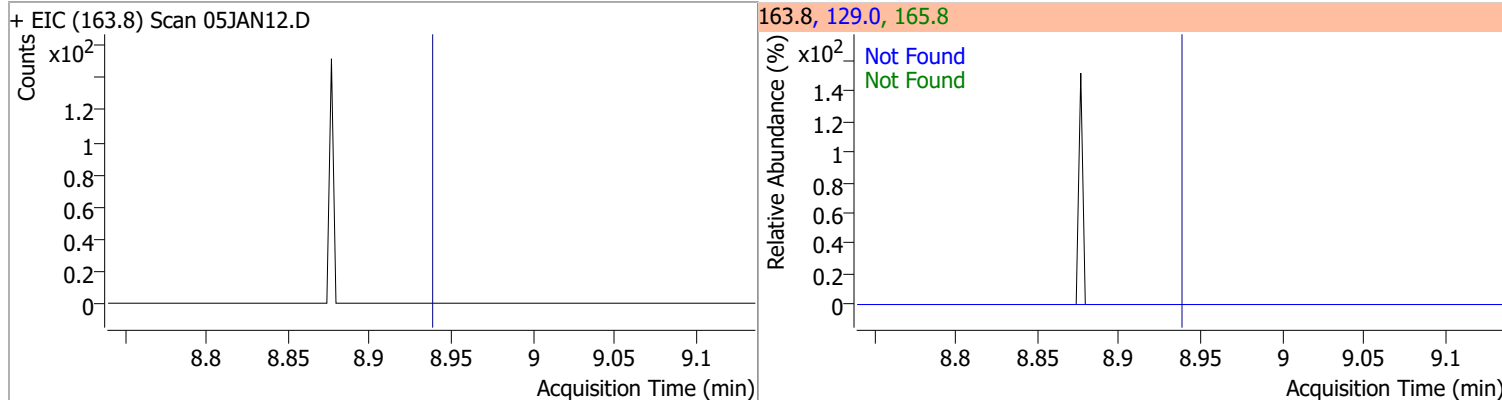


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

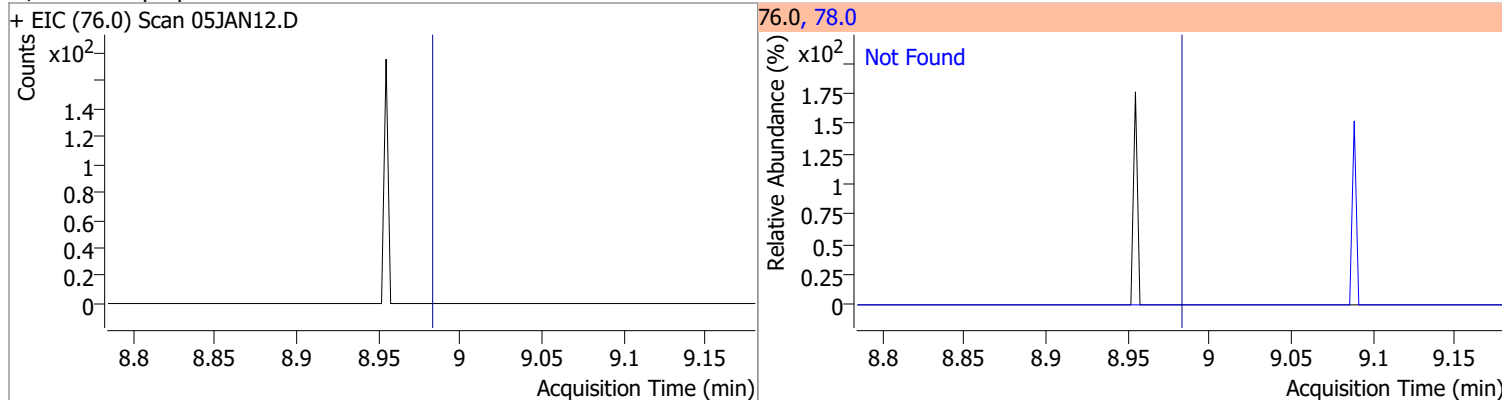


# Quantitation Results Report (QT Reviewed)

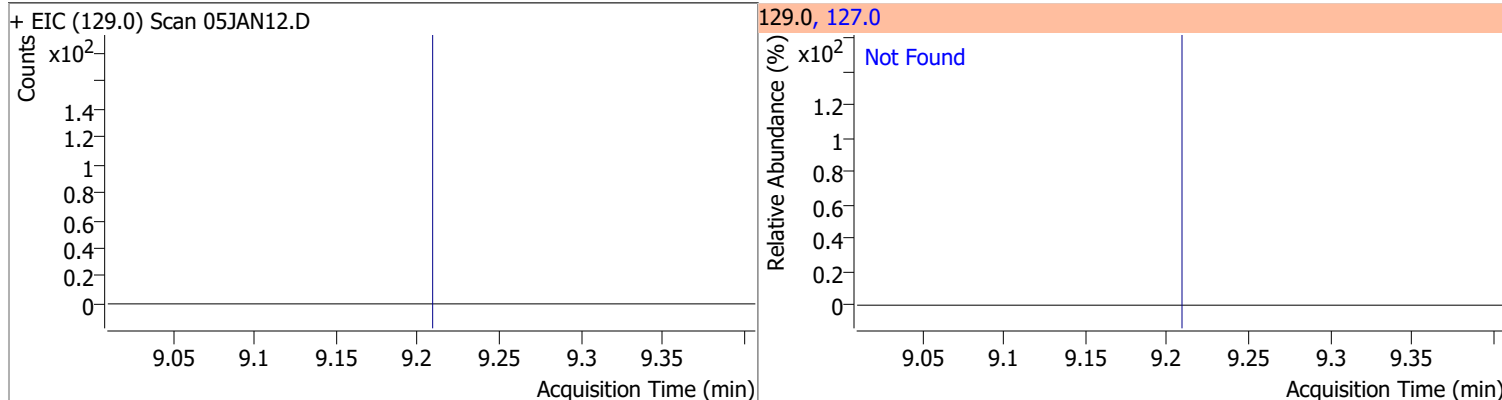
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



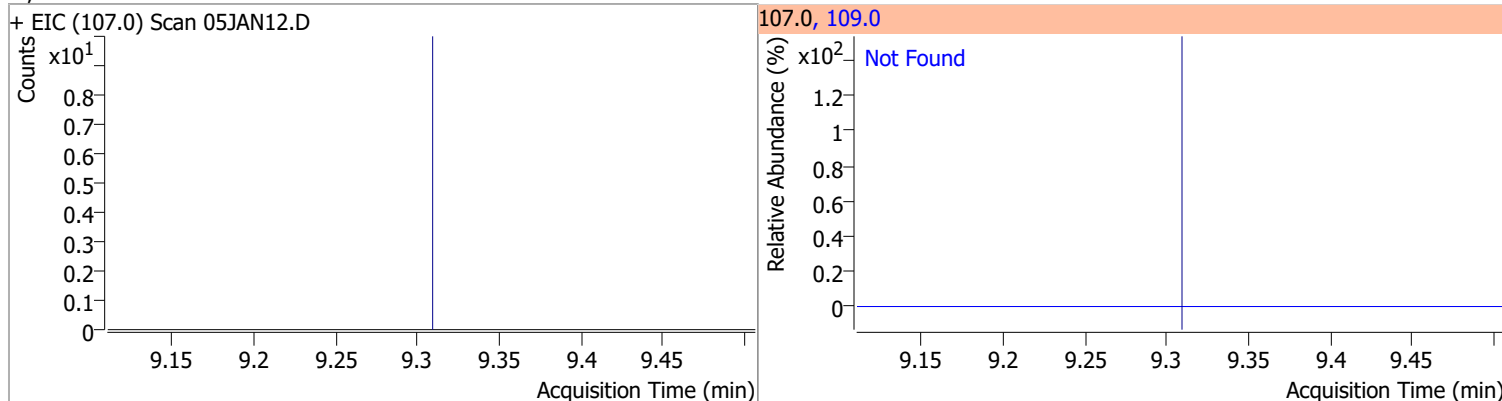
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



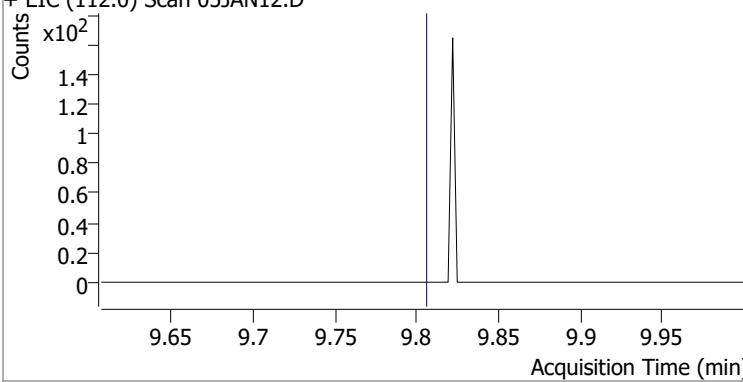
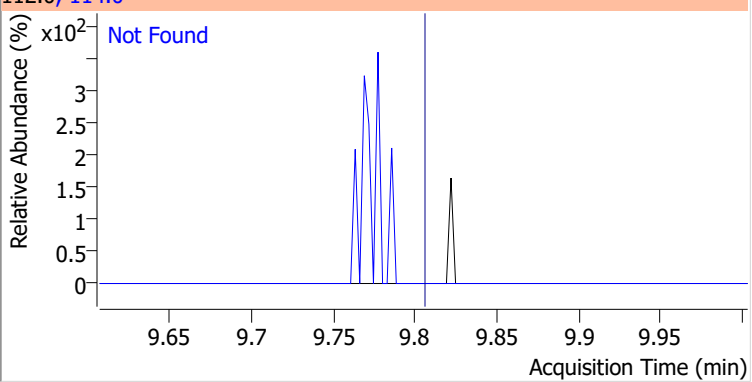
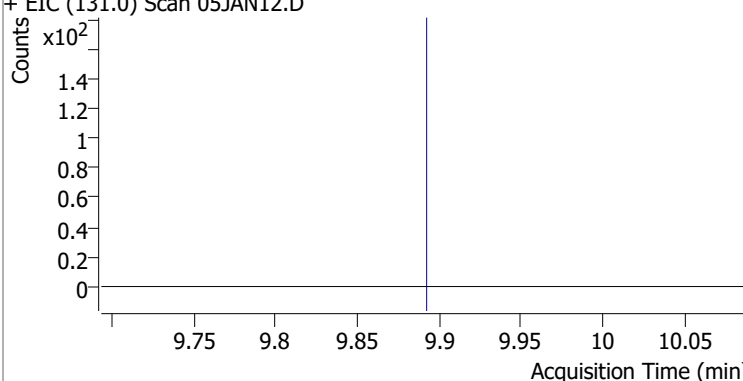
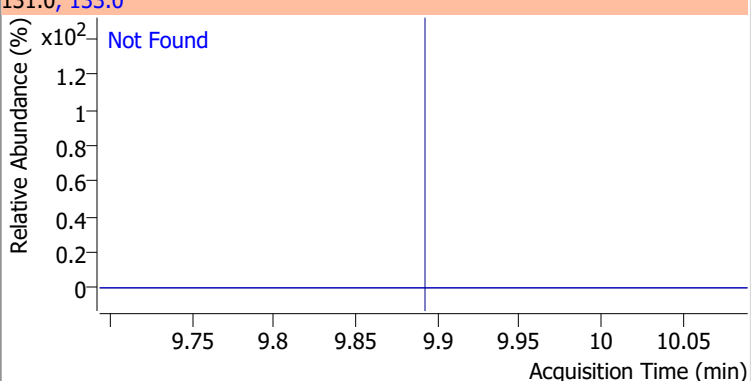
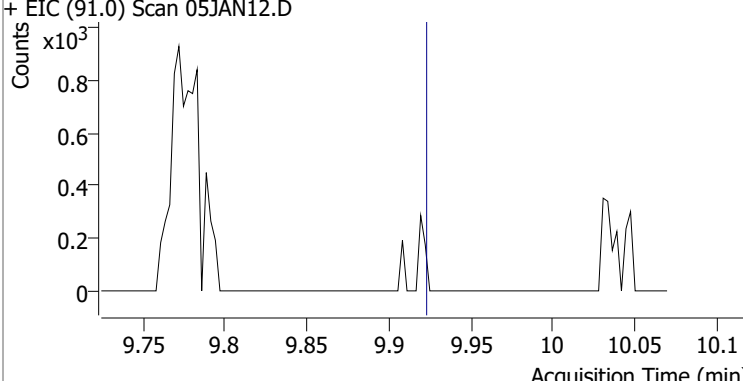
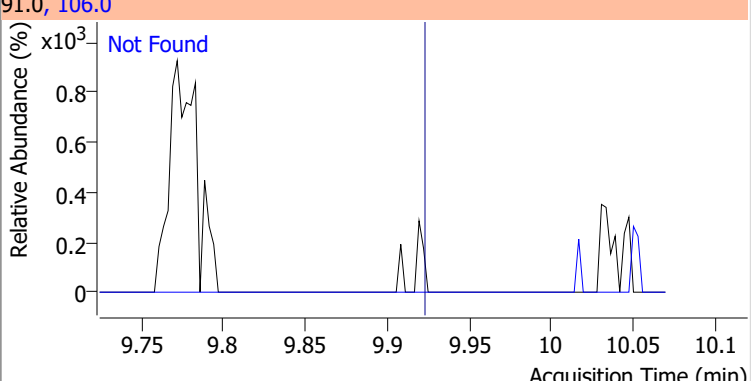
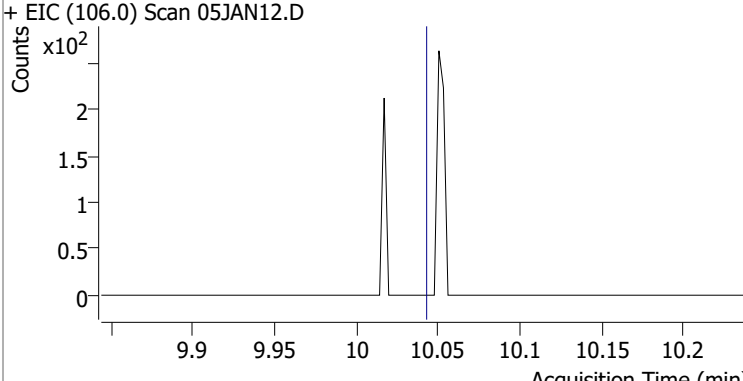
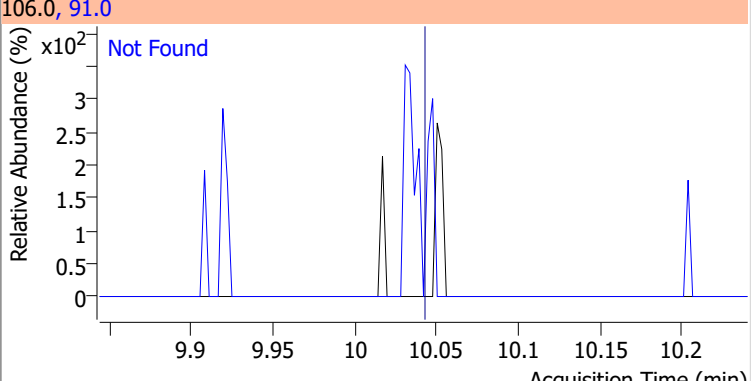
| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |



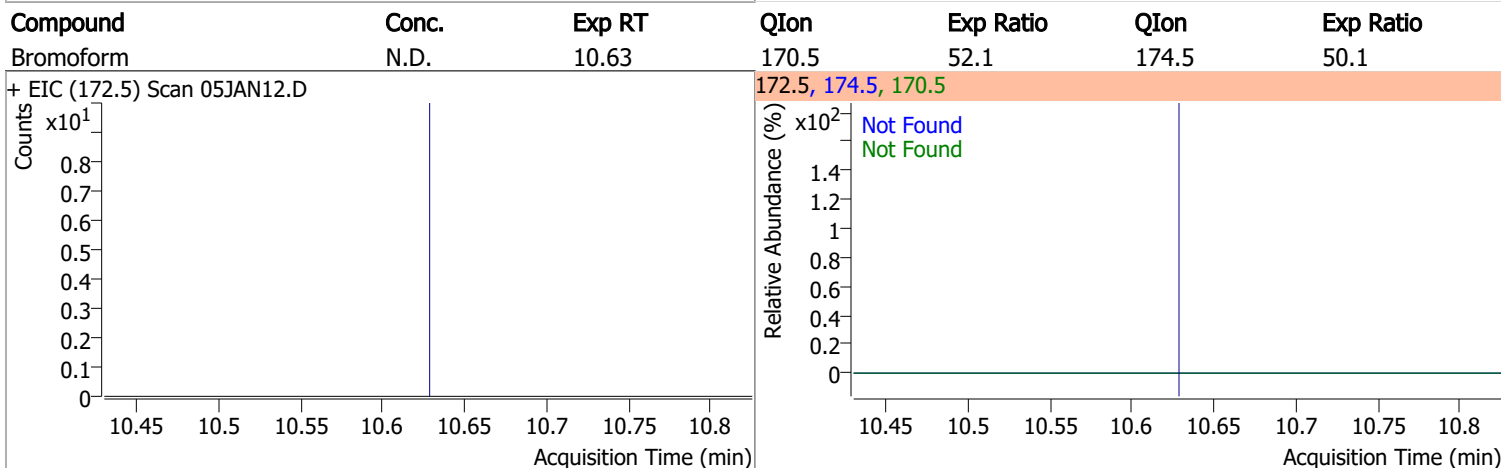
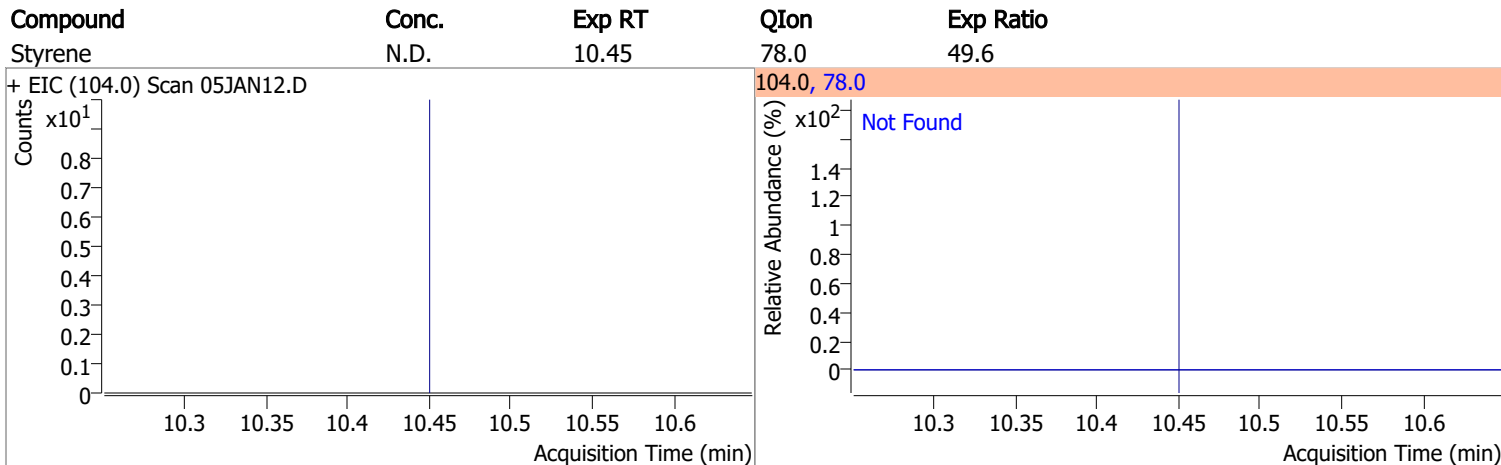
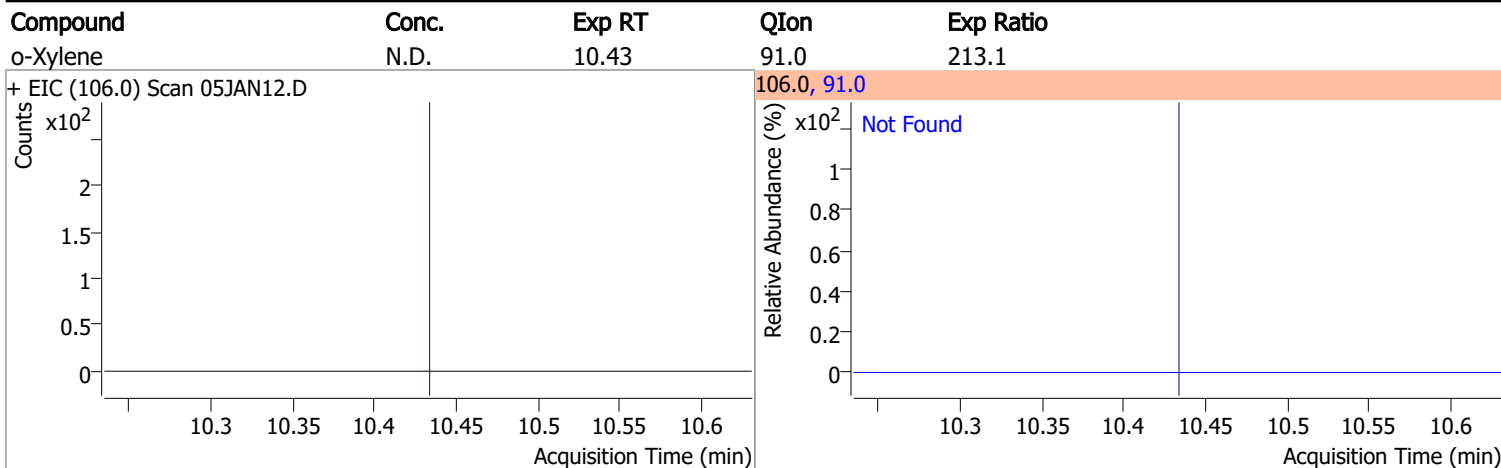
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |



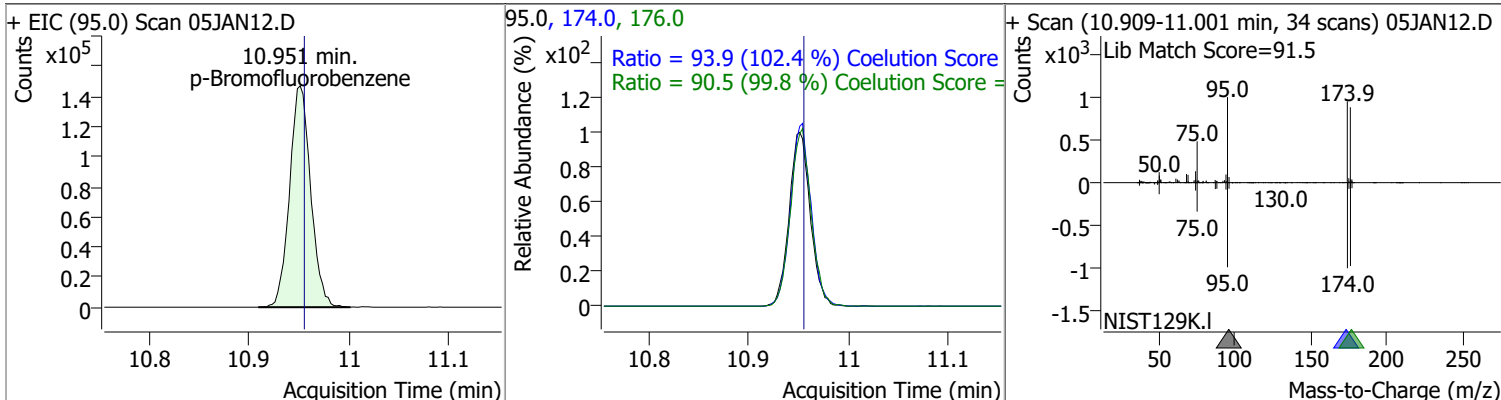
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon  | Exp Ratio |
|--|-------|--------|---|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0   | 32.1      |
| + EIC (112.0) Scan 05JAN12.D<br>   |       |        | 112.0, 114.0<br>  |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0   | 98.6      |
| + EIC (131.0) Scan 05JAN12.D<br>  |       |        | 131.0, 133.0<br> |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0   | 31.1      |
| + EIC (91.0) Scan 05JAN12.D<br>  |       |        | 91.0, 106.0<br> |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0  | 201.4     |
| + EIC (106.0) Scan 05JAN12.D<br> |       |        | 106.0, 91.0<br> |           |

# Quantitation Results Report (QT Reviewed)

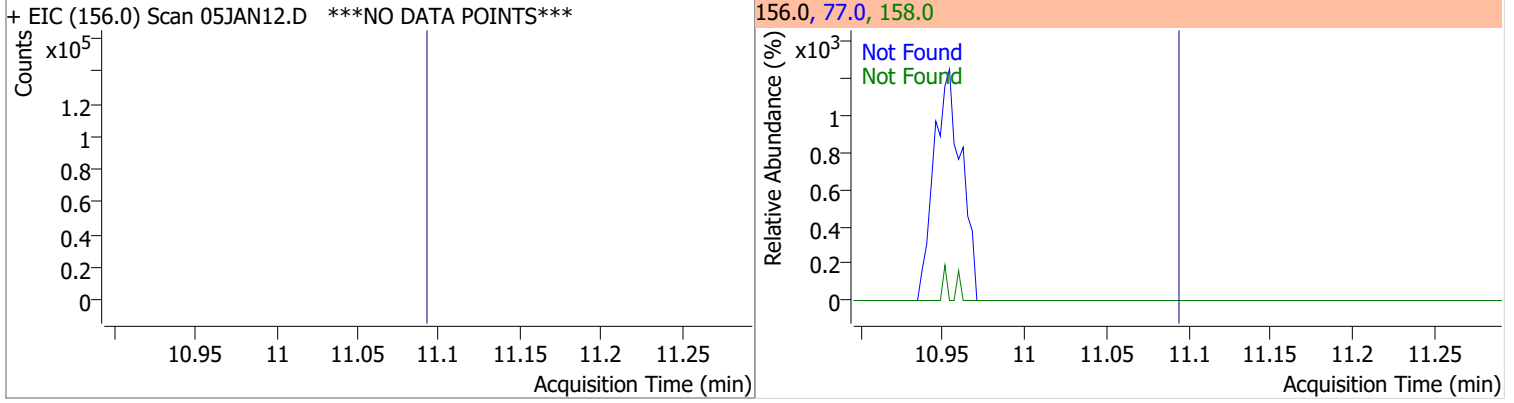


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 271.3116 | 10.95 | 0.00     | 214359 | 174.0 | 93.9   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 90.5   | 60.6  | 120.6 |

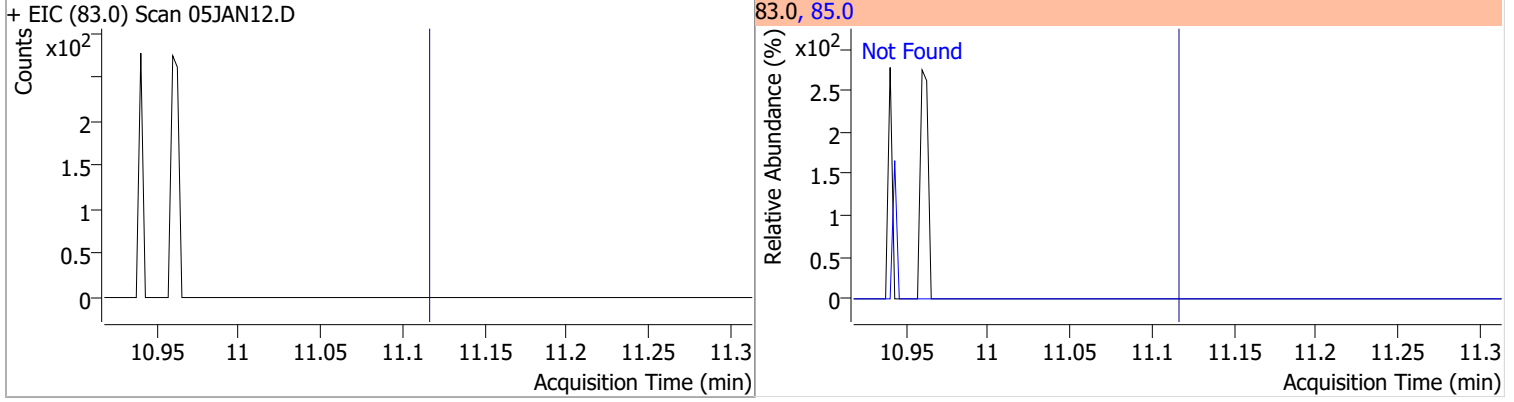


# Quantitation Results Report (QT Reviewed)

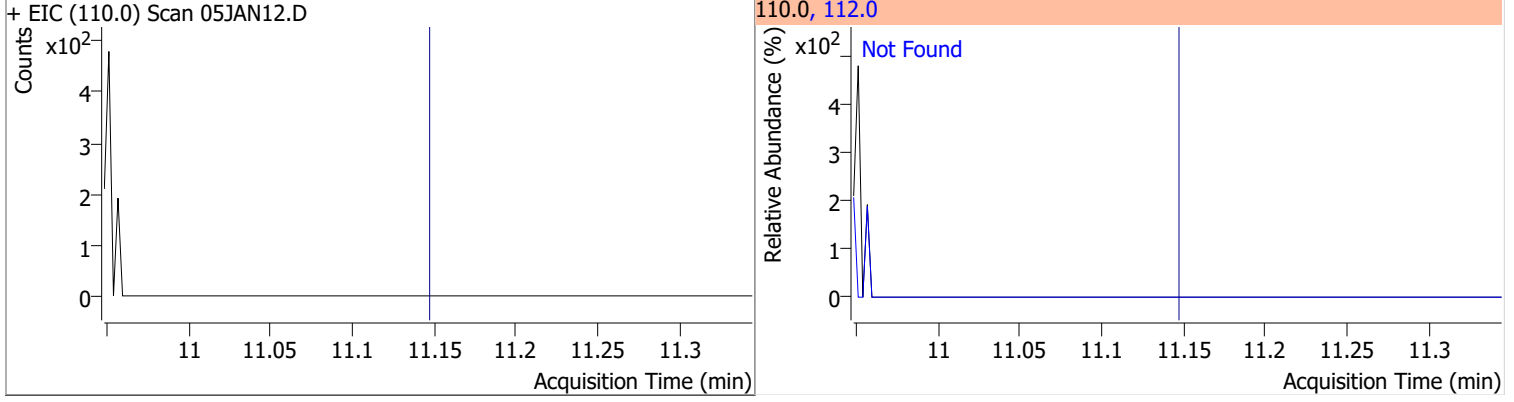
| Compound     | Conc. | Exp RT | QIon | Exp Ratio | QIon  | Exp Ratio |
|--------------|-------|--------|------|-----------|-------|-----------|
| Bromobenzene | N.D.  | 11.09  | 77.0 | 145.7     | 158.0 | 96.5      |



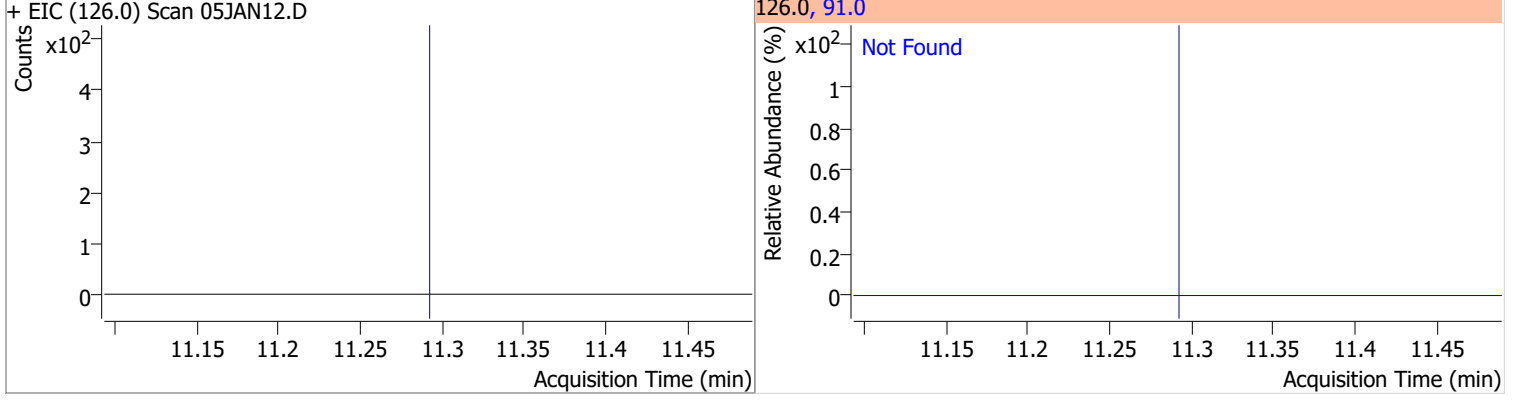
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|
| 1,1,2,2-Tetrachloroethane | N.D.  | 11.12  | 85.0 | 66.2      |



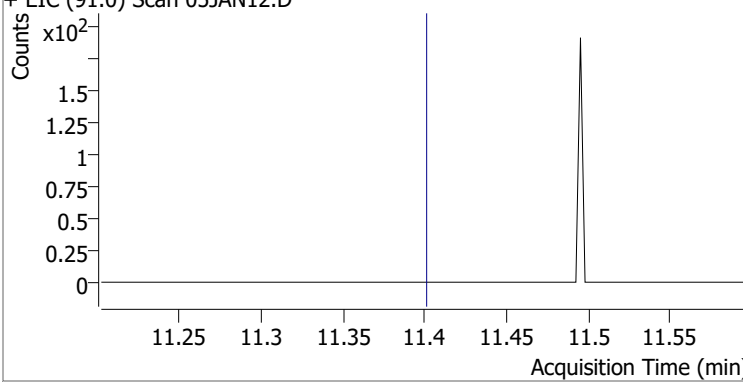
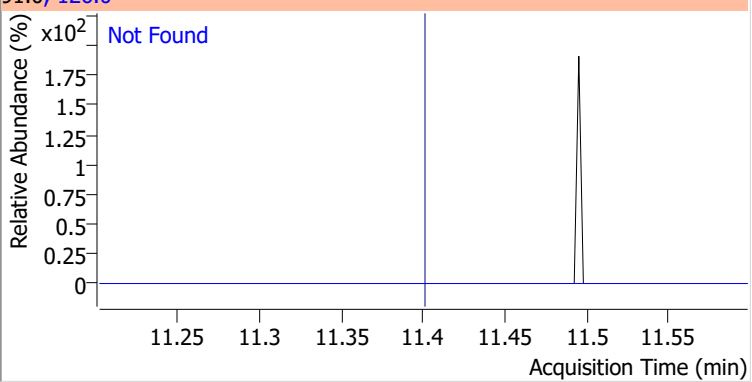
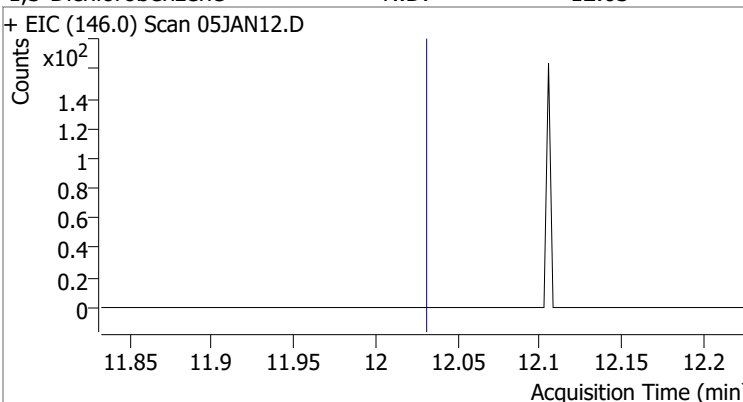
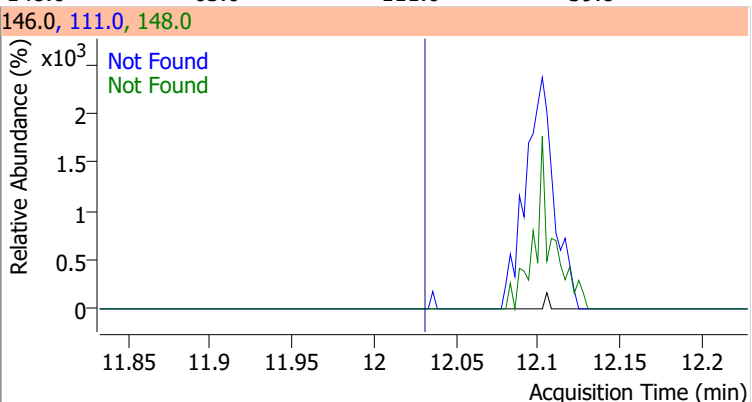
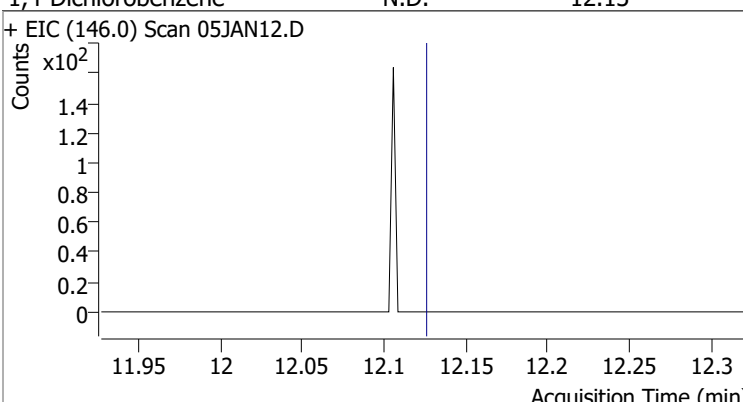
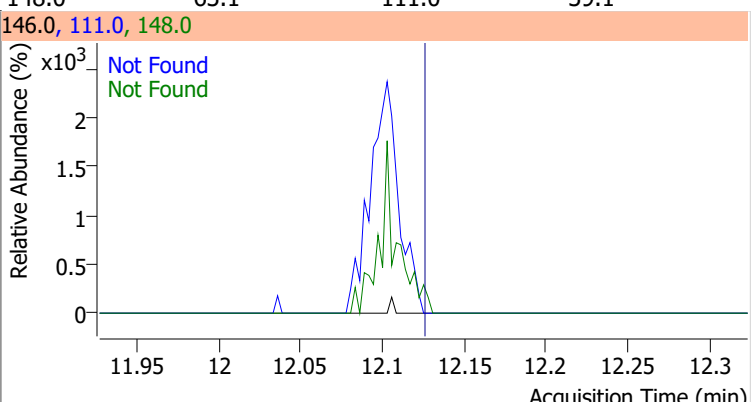
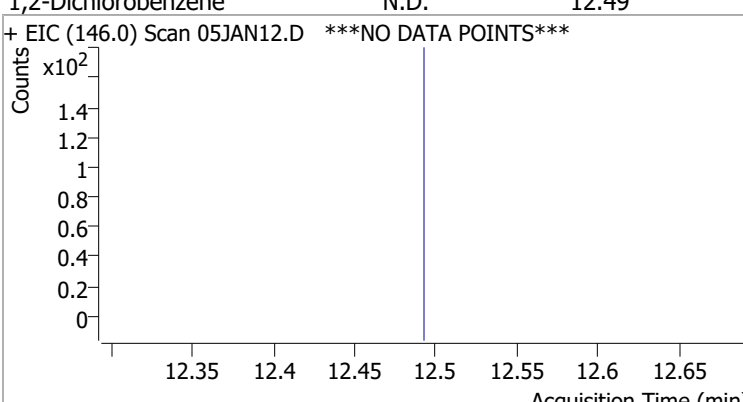
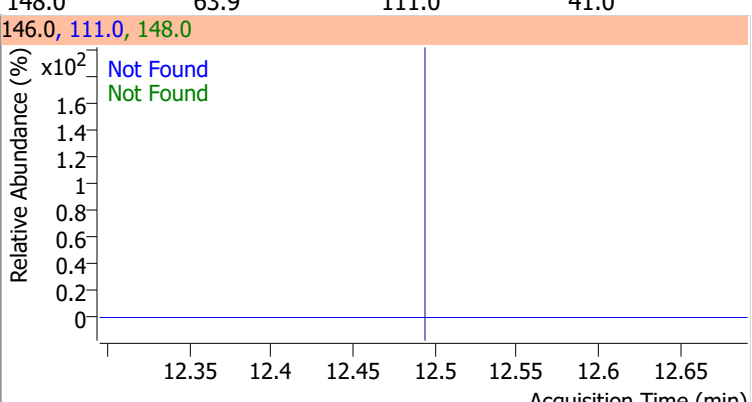
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| 1,2,3-Trichloropropane | N.D.  | 11.15  | 112.0 | 63.5      |



| Compound        | Conc. | Exp RT | QIon | Exp Ratio |
|-----------------|-------|--------|------|-----------|
| 2-Chlorotoluene | N.D.  | 11.29  | 91.0 | 282.3     |

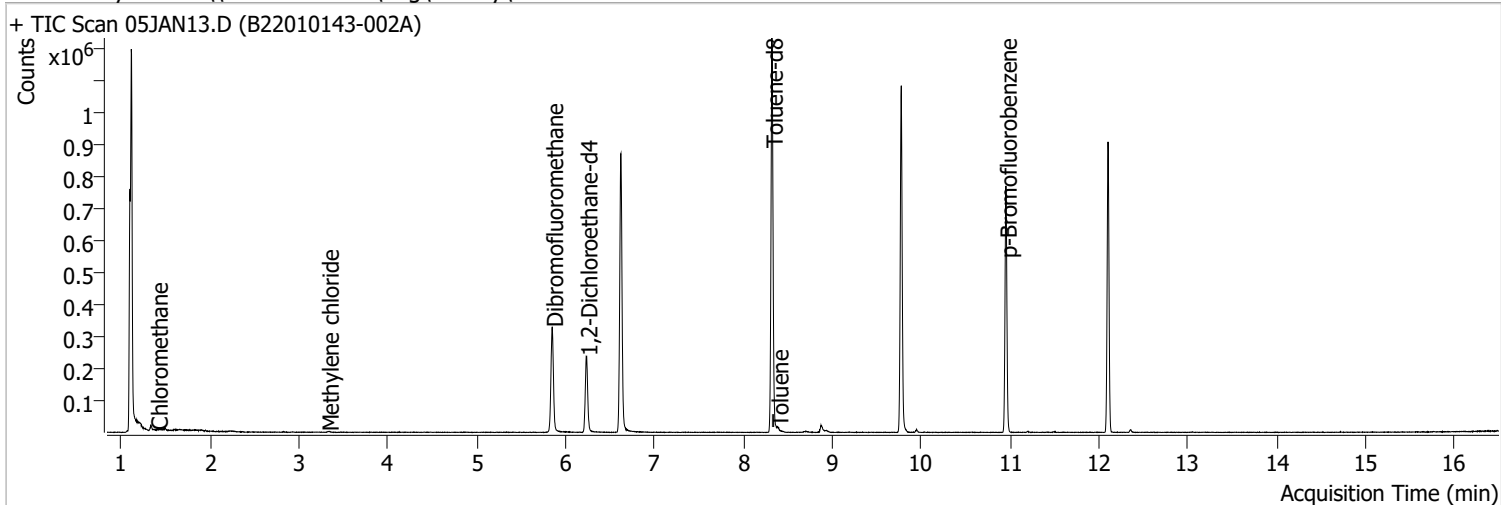


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN12.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN12.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN12.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN12.D ***NO DATA POINTS***                                  |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN13.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 3:33:12 PM   |
| Sample Name    | B22010143-002A                      | Instrument        | VOA5975C              |
| Vial           | 13                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 730262 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 285143 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.103               | 152.0 | 216732 | 250.0000           | ng    | 0.003    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 191770 | 278.7432           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 111.50% |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 83556  | 281.1836           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 112.47% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 733310 | 266.8733           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 106.75% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 210682 | 265.3424           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 106.14% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.400                | 50.0  | 955    | 0.8223             | ng    | m 81     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.324                | 49.0  | 1841   | 1.6977             | ng    | m 87     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 0.000                |       | 0      | N.D.               |       |          |



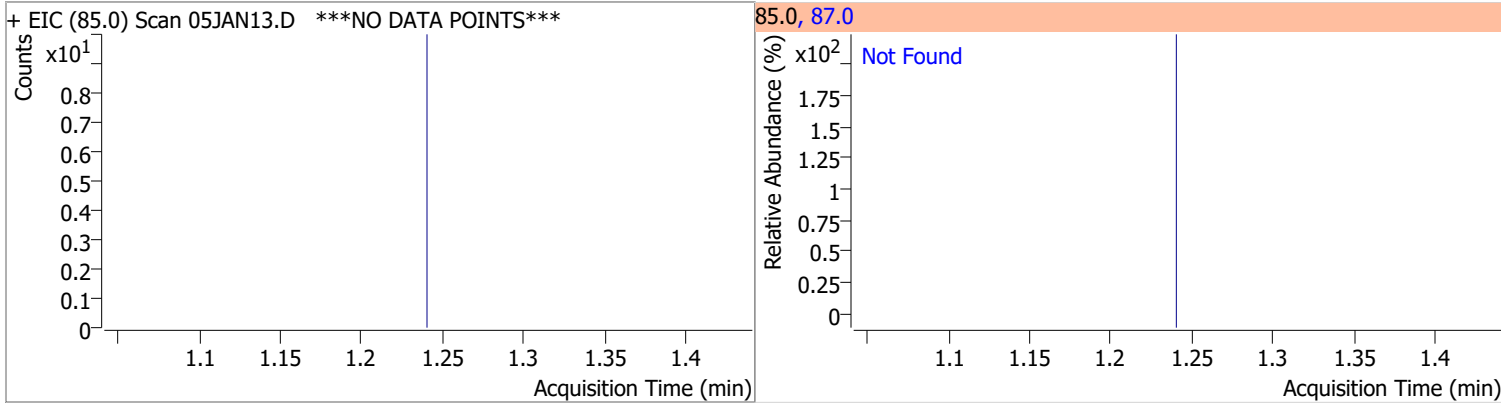
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT    | QIon | Resp. | Conc.  | Units | Dev(Min) |
|-----------------------------|-------|------|-------|--------|-------|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.   |       |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.   |       |          |
| T Benzene                   | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.   |       |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.   |       |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.   |       |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.   |       |          |
| T Toluene                   | 8.383 | 92.0 | 3027  | 1.6308 | ng    | 84       |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.   |       |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.   |       |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.   |       |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.   |       |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.   |       |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.   |       |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.   |       |          |
| T Styrene                   | 0.000 |      | 0     | N.D.   |       |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.   |       |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.   |       |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.   |       |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |          |

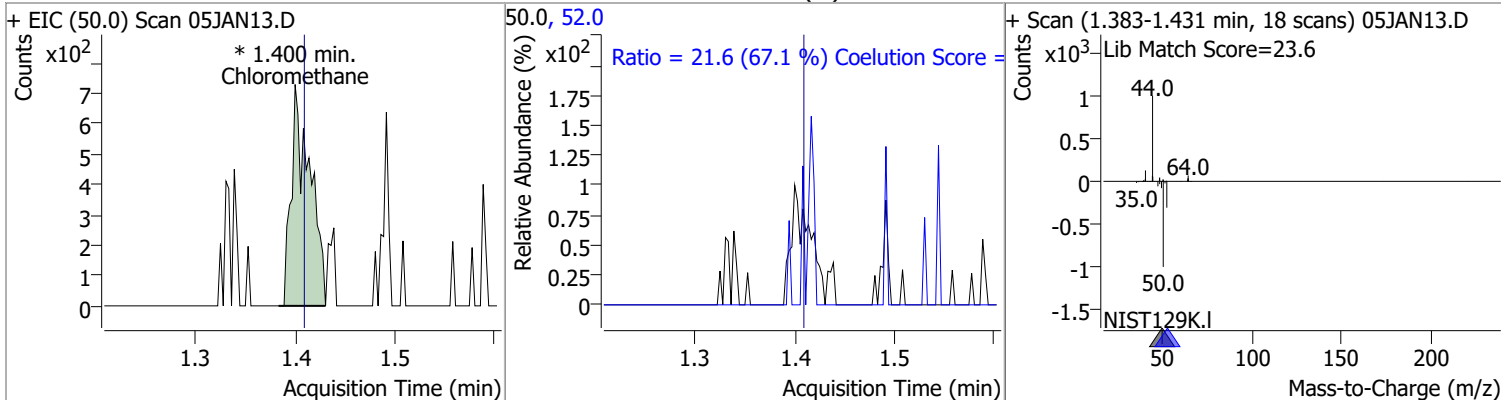
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

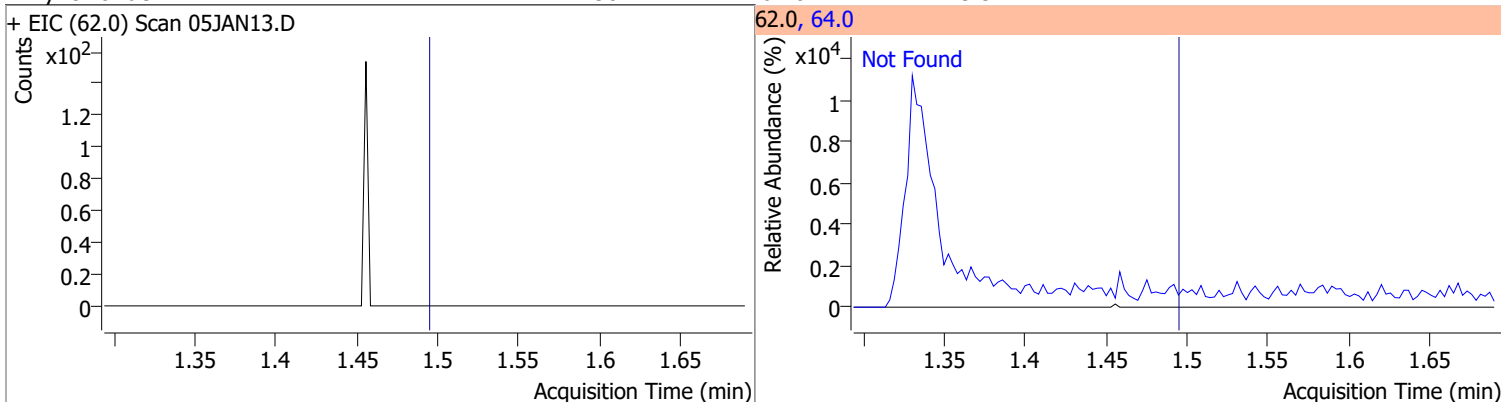
| Compound                | Conc. | Exp RT | QIon | Exp Ratio |
|-------------------------|-------|--------|------|-----------|
| Dichlorodifluoromethane | N.D.  | 1.24   | 87.0 | 32.3      |



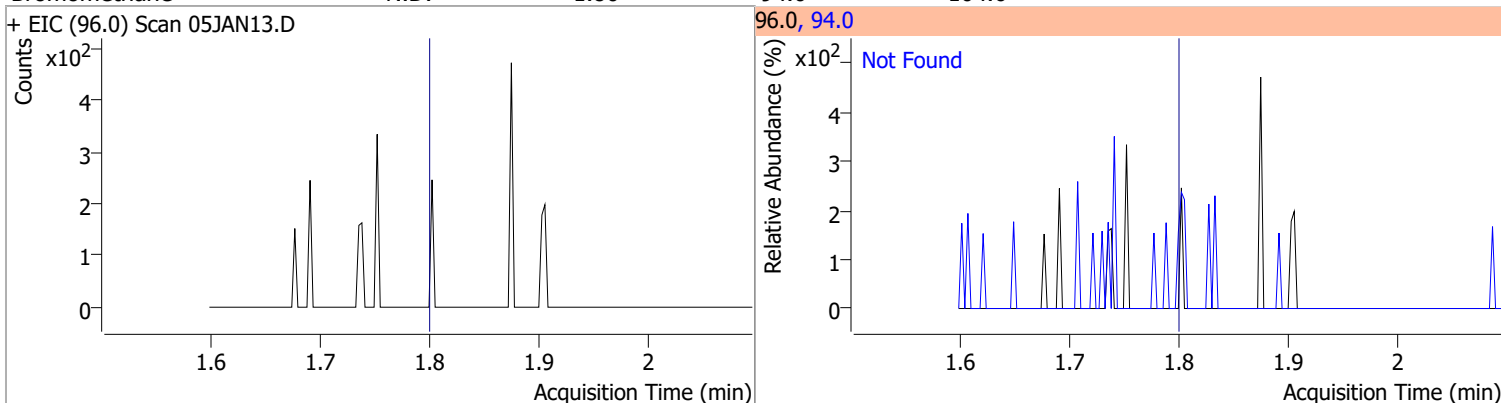
| Compound      | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|---------|------|--------|-------|-------|
| Chloromethane | 0.8223 | 1.40 | -0.01    | 955 (m) | 52.0 | 21.6   | 2.1   | 62.1  |



| Compound       | Conc. | Exp RT | QIon | Exp Ratio |
|----------------|-------|--------|------|-----------|
| Vinyl chloride | N.D.  | 1.50   | 64.0 | 29.9      |

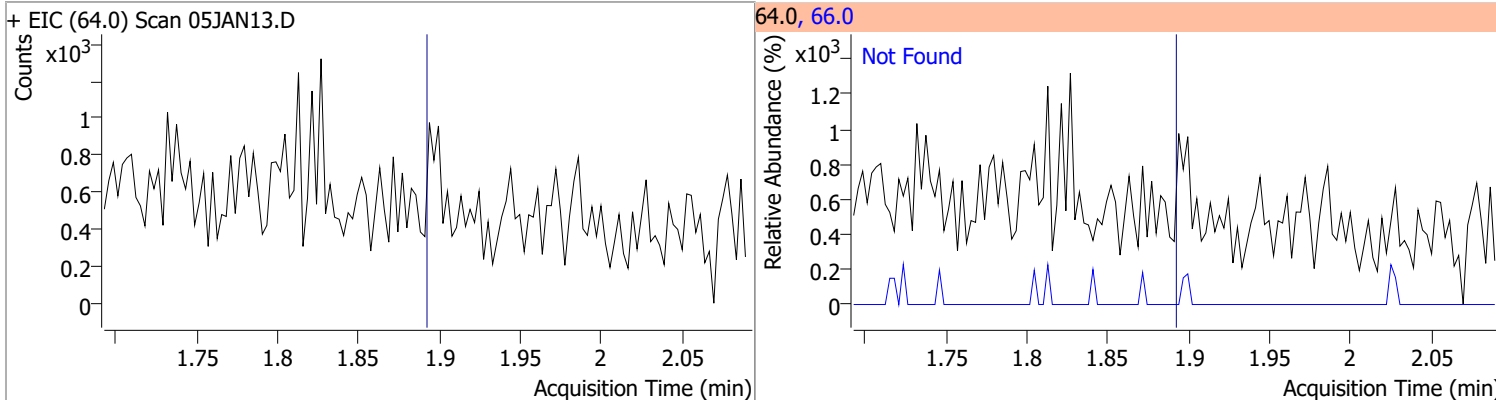


| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Bromomethane | N.D.  | 1.80   | 94.0 | 104.6     |

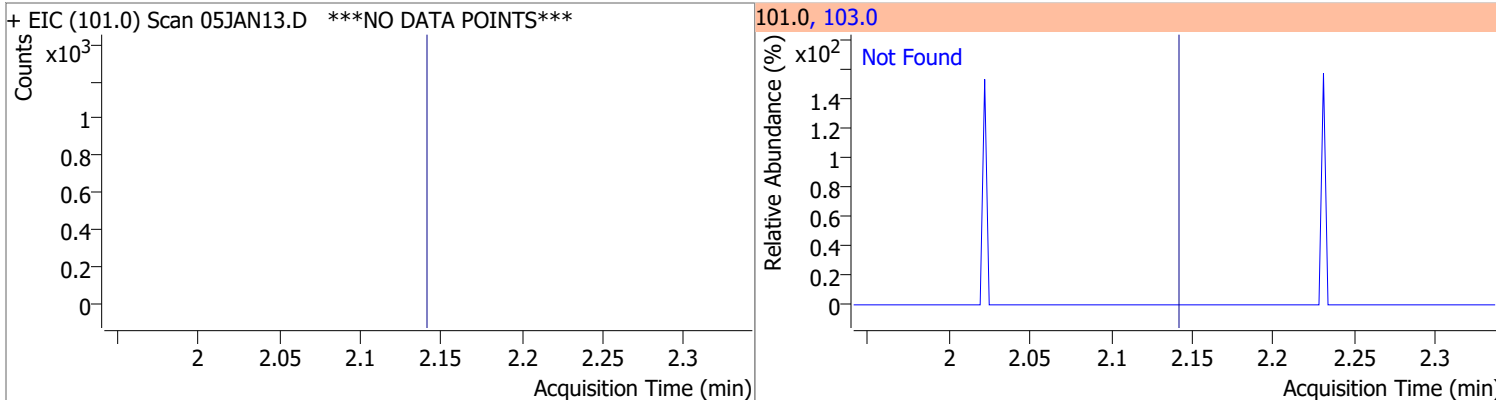


# Quantitation Results Report (QT Reviewed)

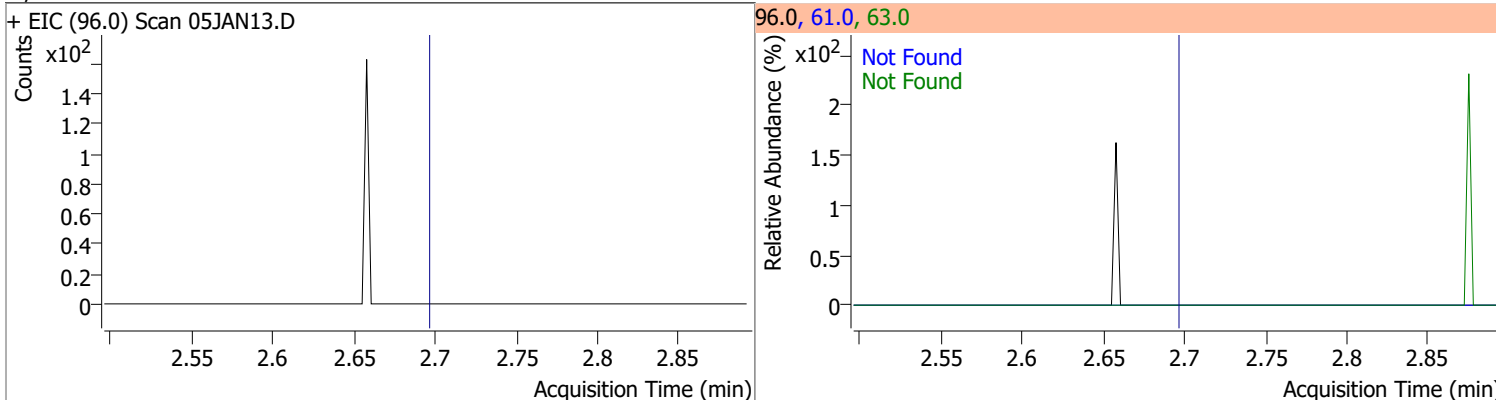
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



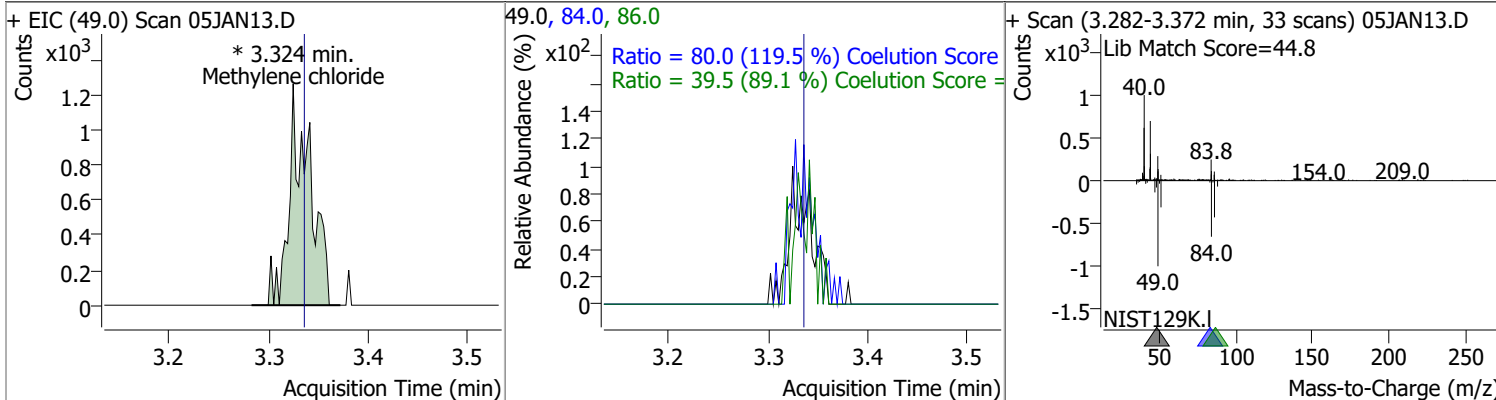
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

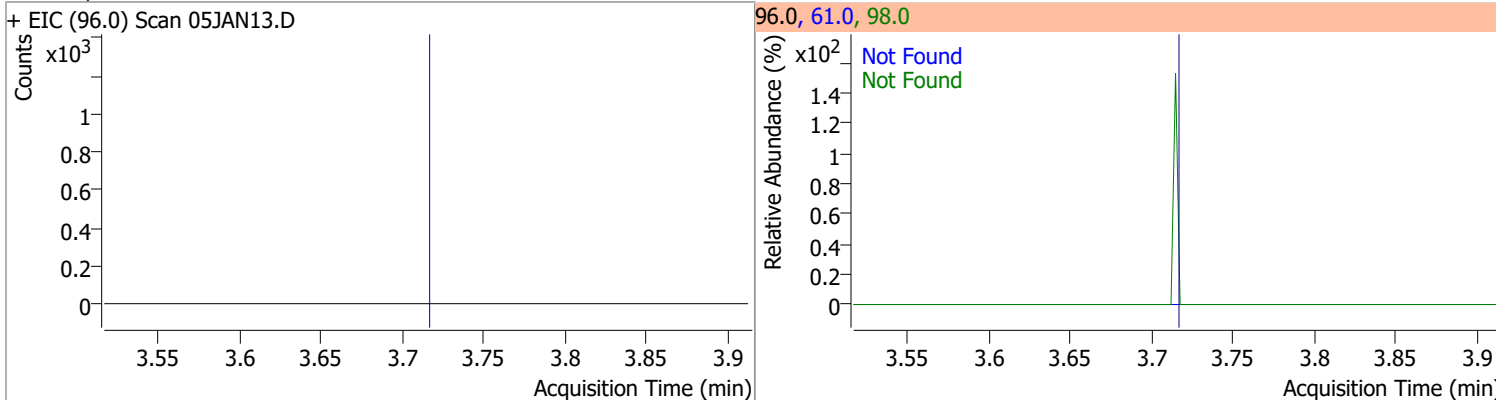


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.6977 | 3.32 | -0.01    | 1841 (m) | 84.0 | 80.0   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 39.5   | 14.3  | 74.3  |

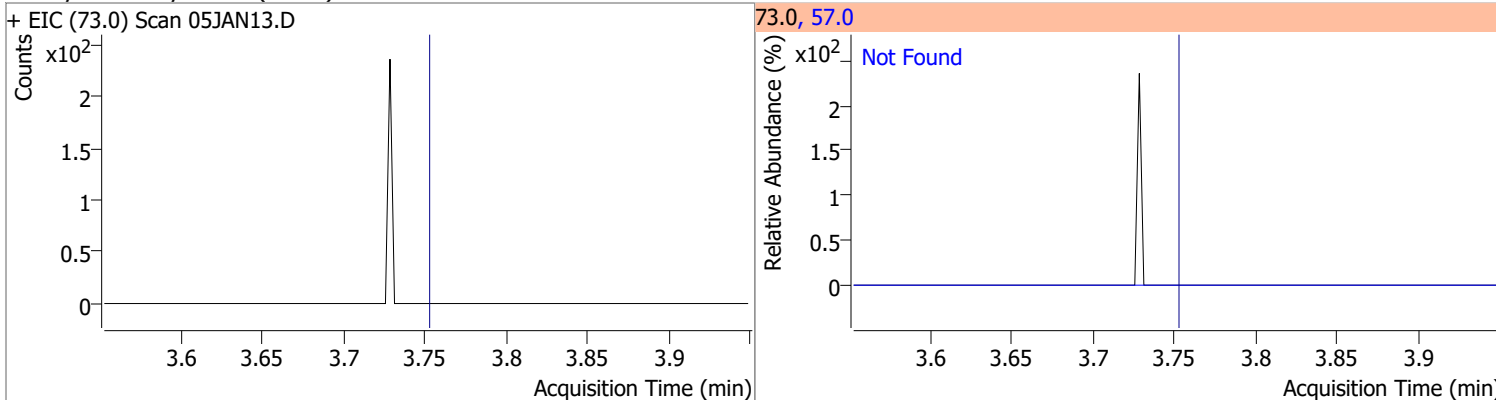


# Quantitation Results Report (QT Reviewed)

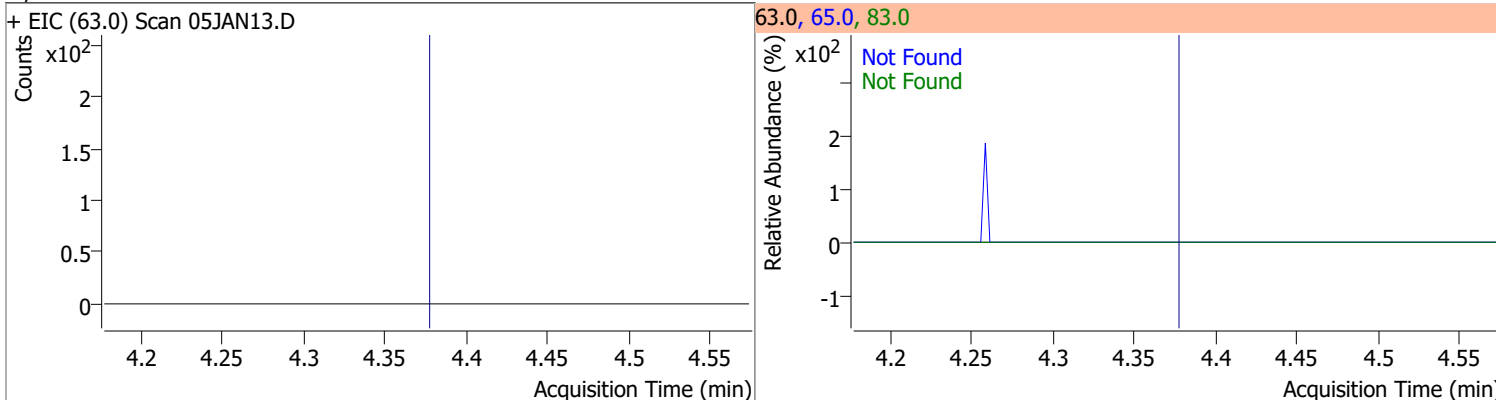
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



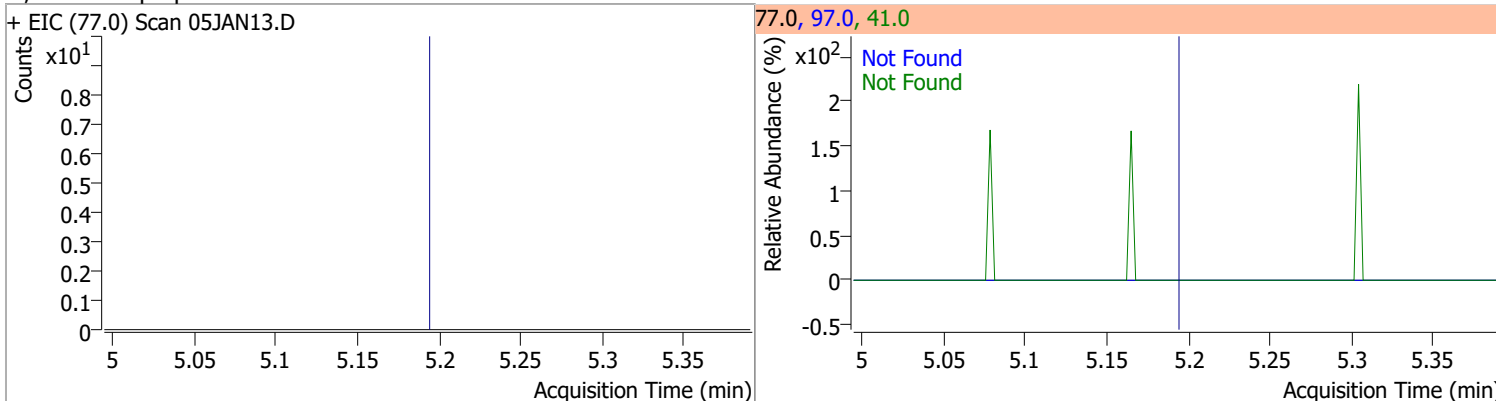
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

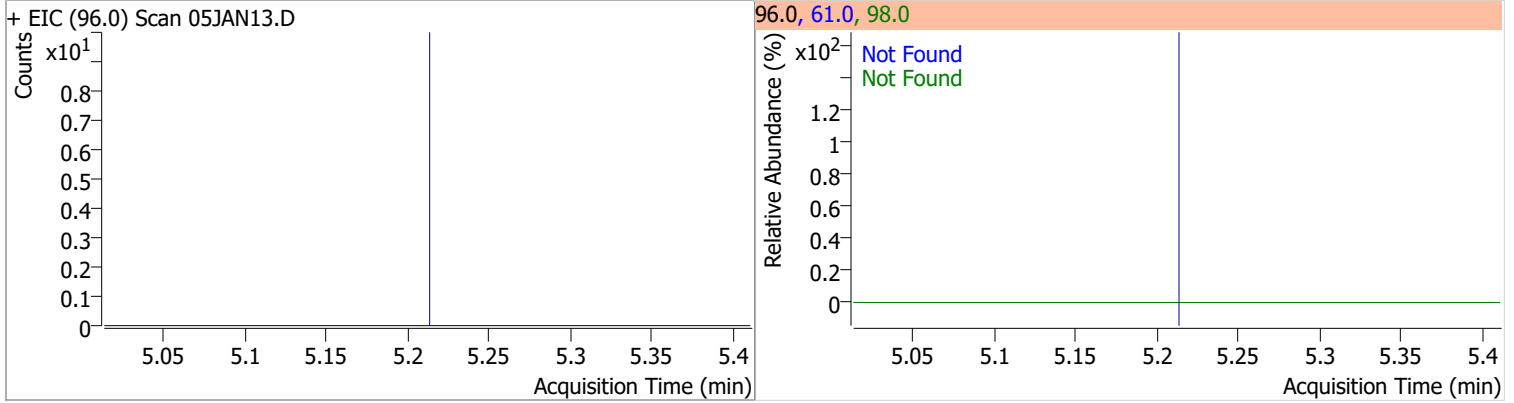


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

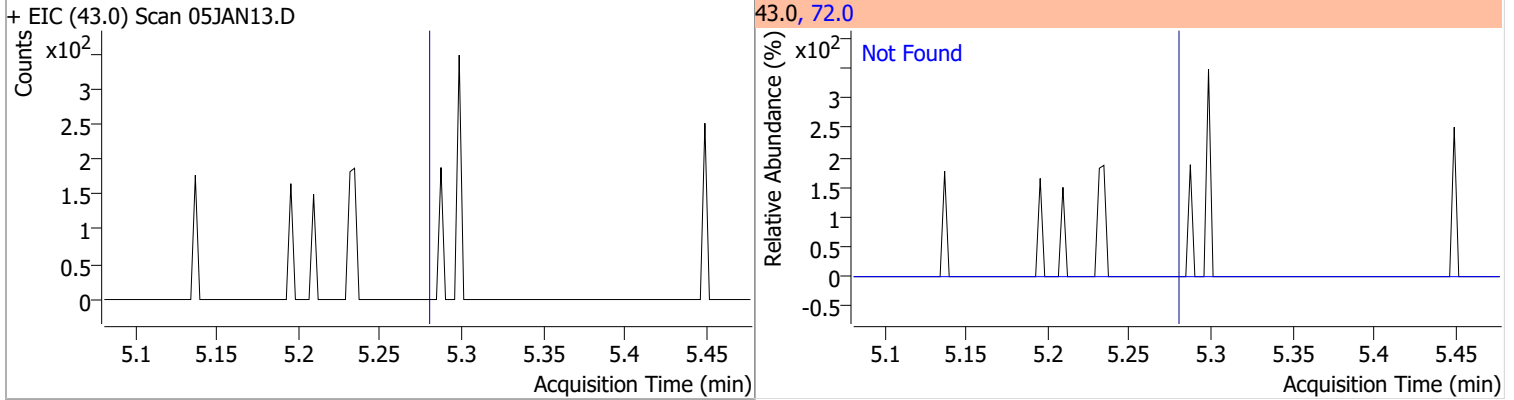


# Quantitation Results Report (QT Reviewed)

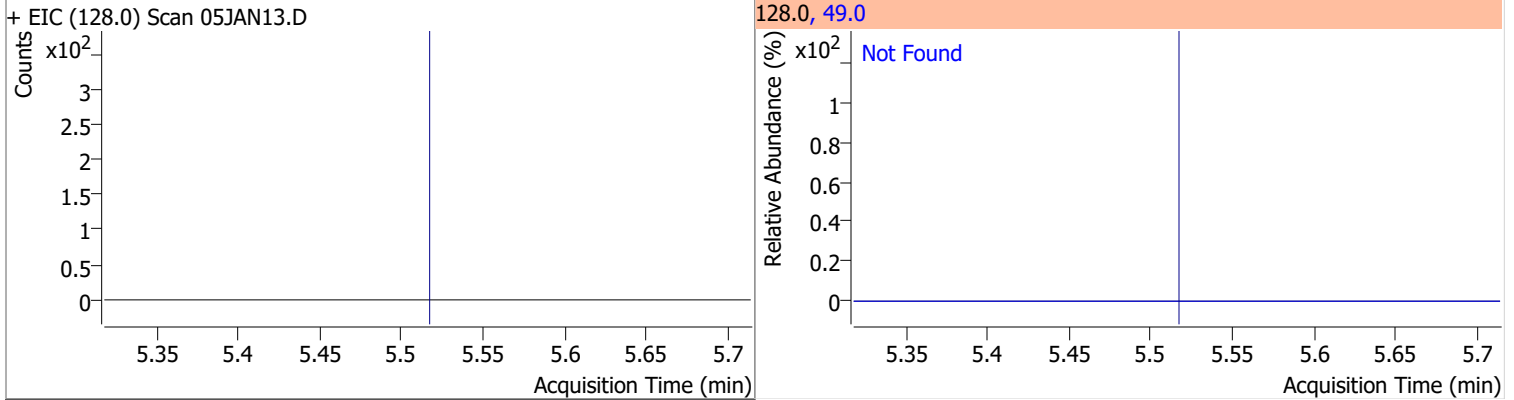
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



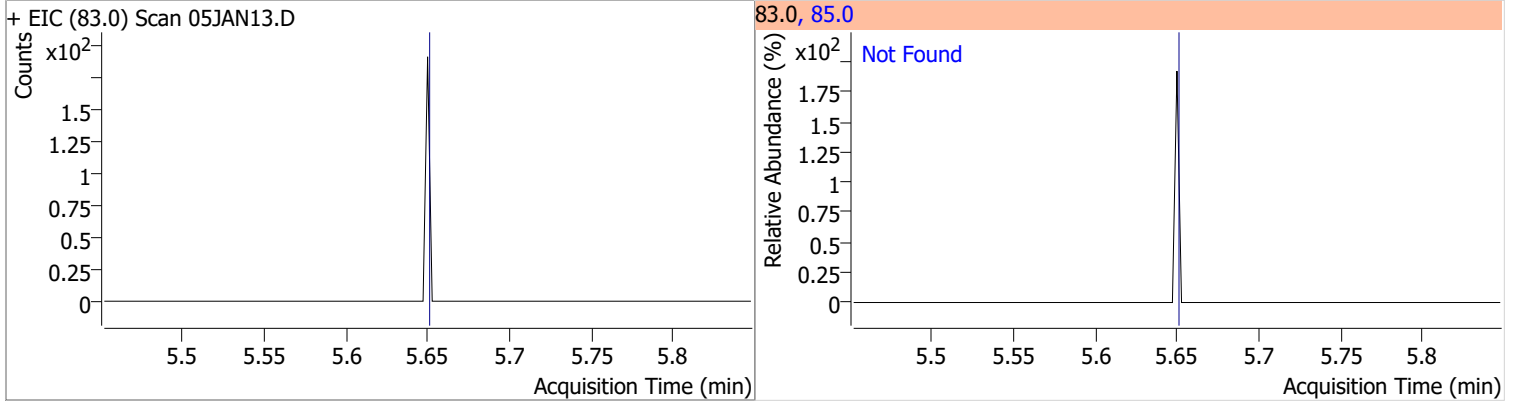
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |

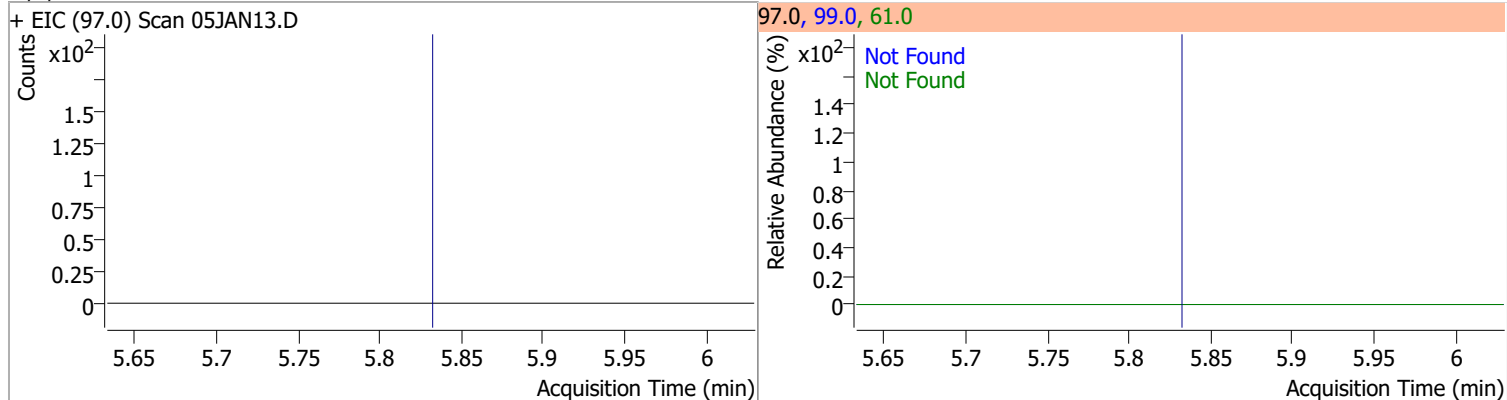


| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |

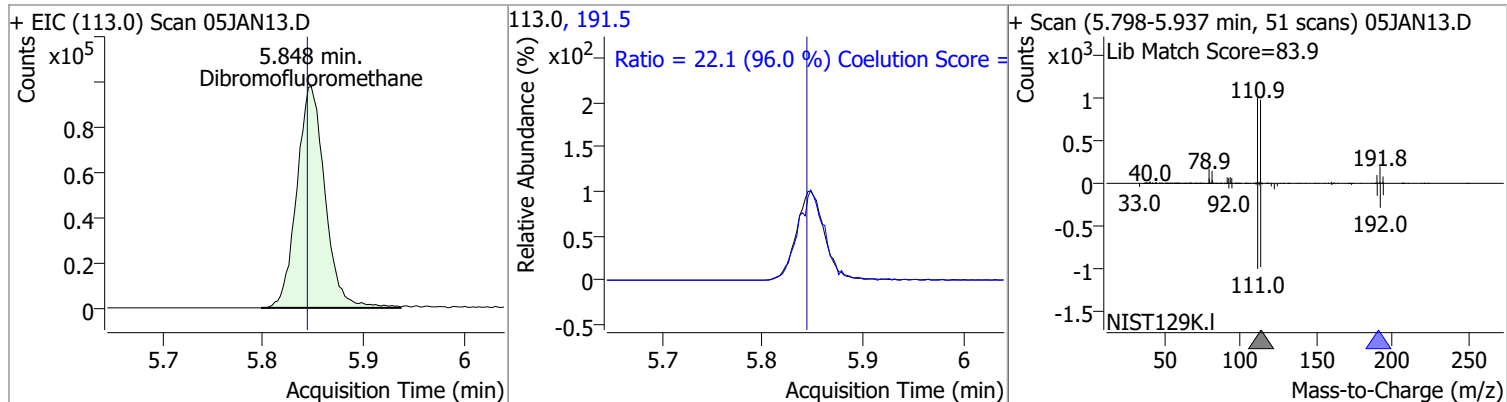


# Quantitation Results Report (QT Reviewed)

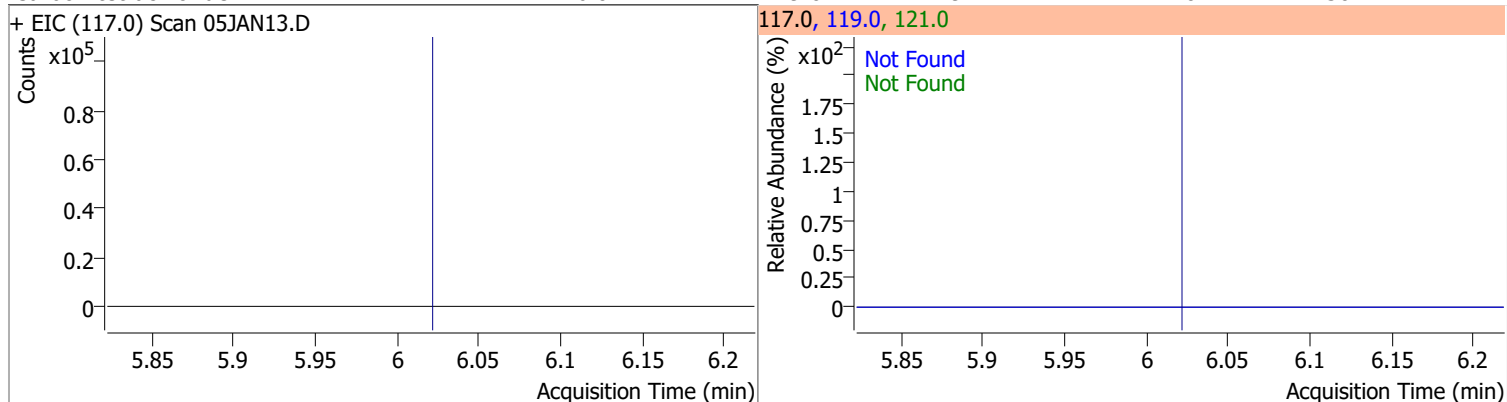
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,1-Trichloroethane | N.D.  | 5.83   | 99.0 | 64.7      | 61.0 | 48.1      |



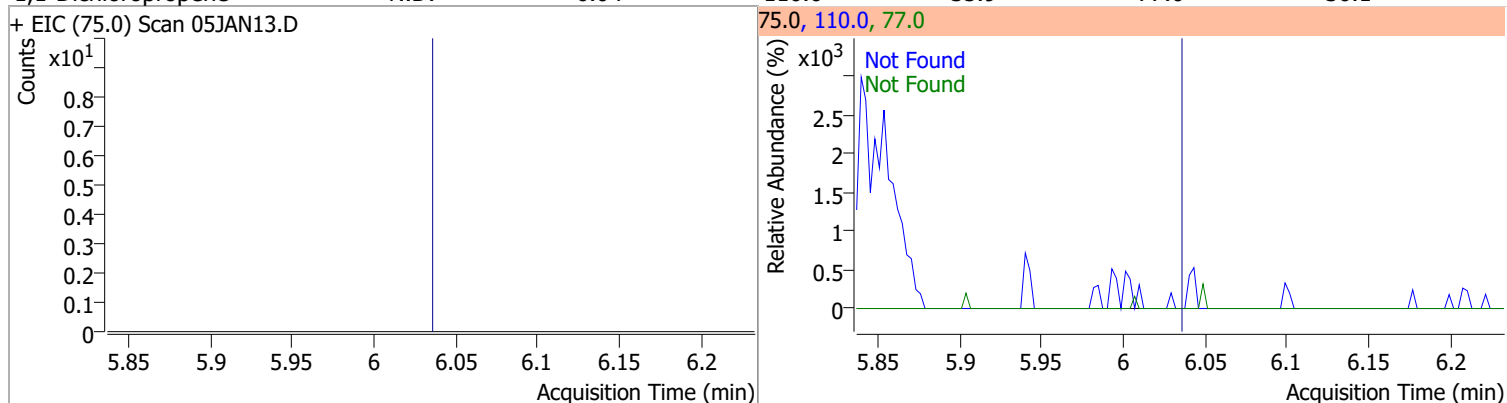
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromofluoromethane | 278.7432 | 5.85 | 0.00     | 191770 | 191.5 | 22.1   | 0.0   | 53.1  |



| Compound             | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|-------|-----------|
| Carbon tetrachloride | N.D.  | 6.02   | 119.0 | 97.2      | 121.0 | 30.1      |

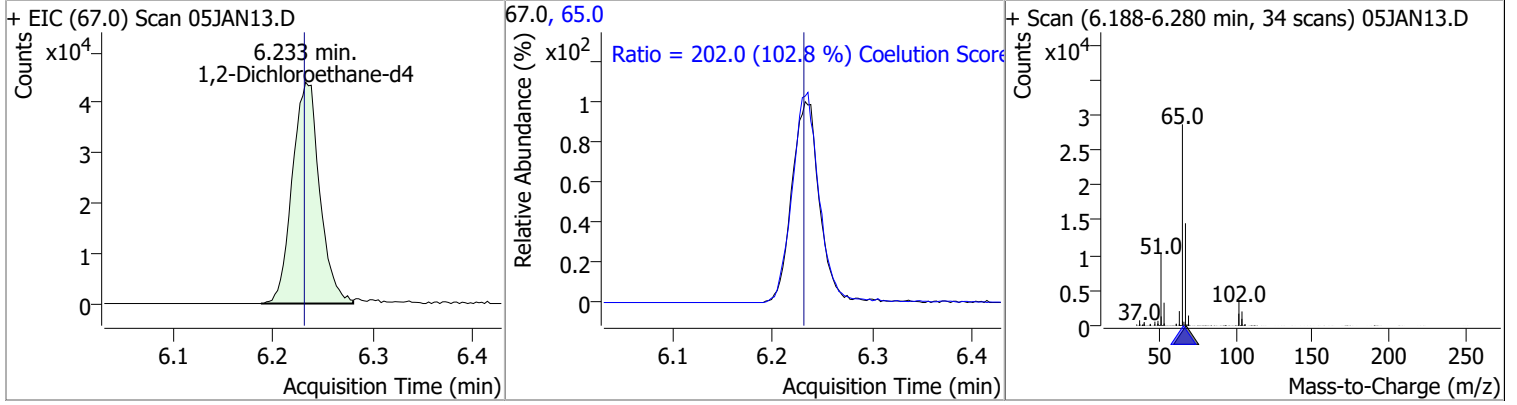


| Compound            | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|-------|-----------|------|-----------|
| 1,1-Dichloropropene | N.D.  | 6.04   | 110.0 | 35.9      | 77.0 | 30.1      |

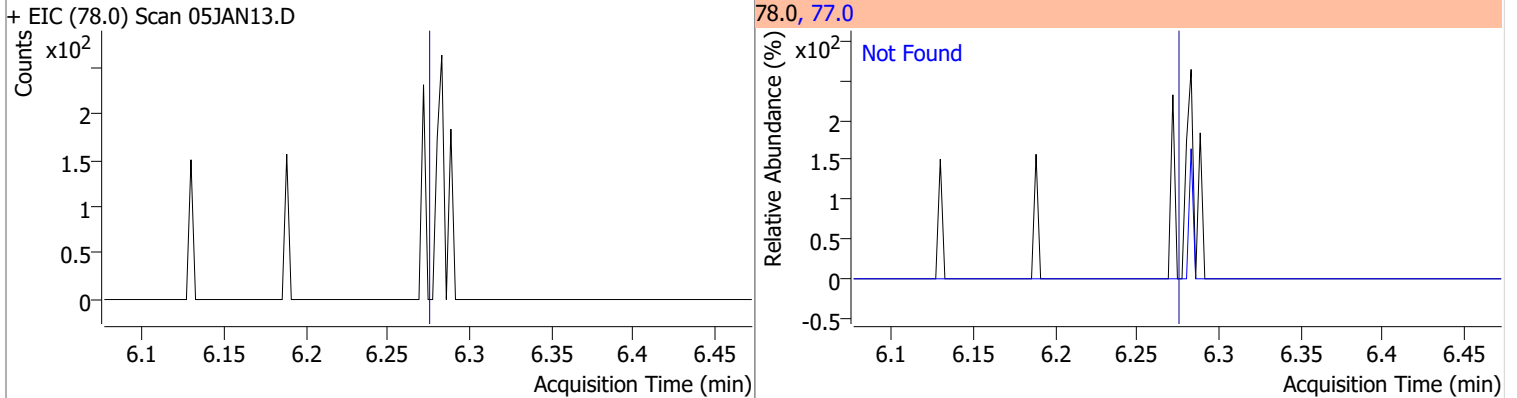


# Quantitation Results Report (QT Reviewed)

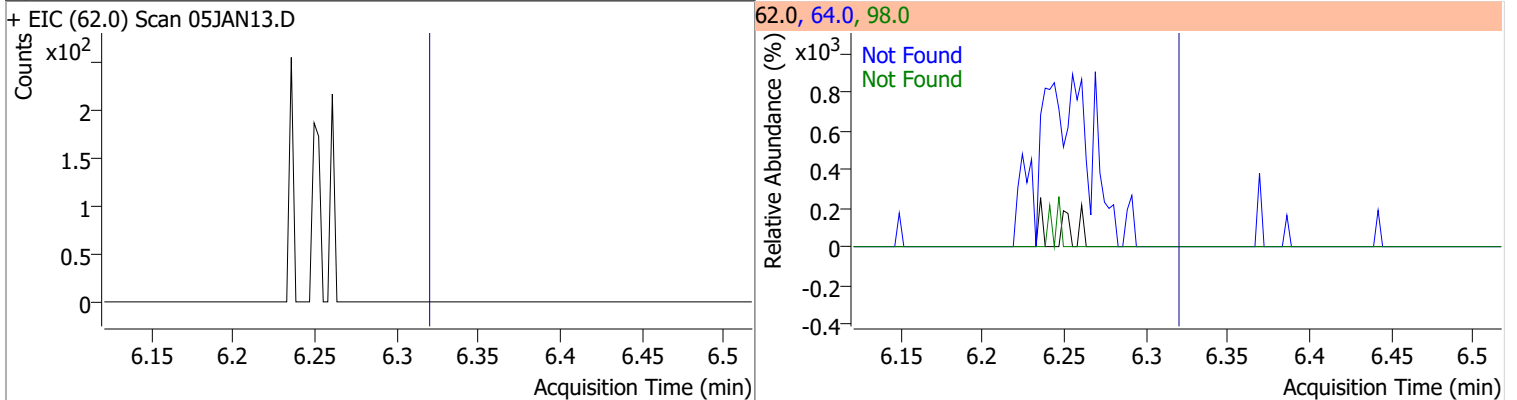
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 281.1836 | 6.23 | 0.00     | 83556 | 65.0 | 202.0  | 166.5 | 226.5 |



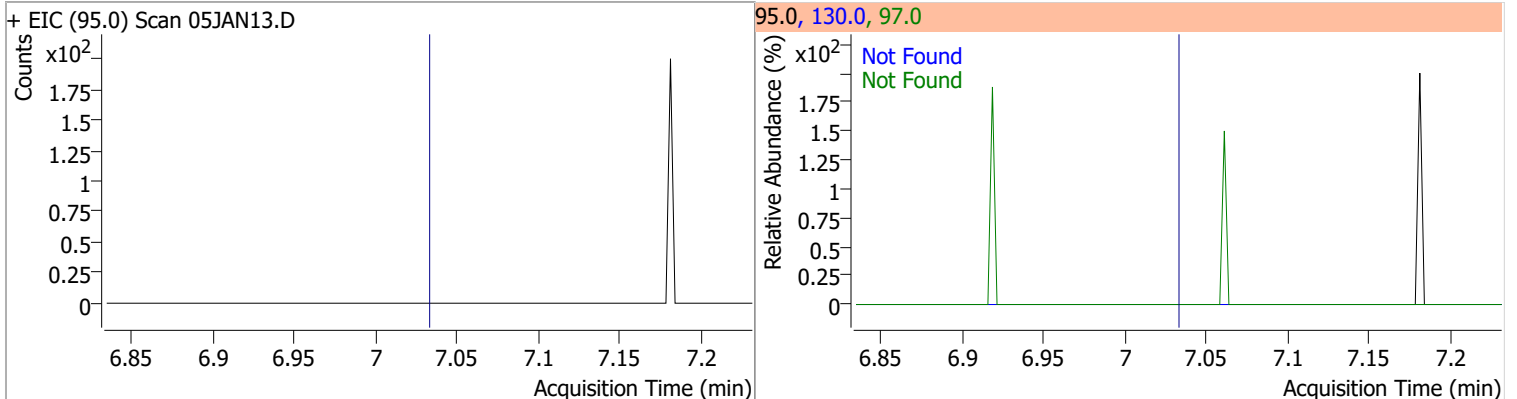
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



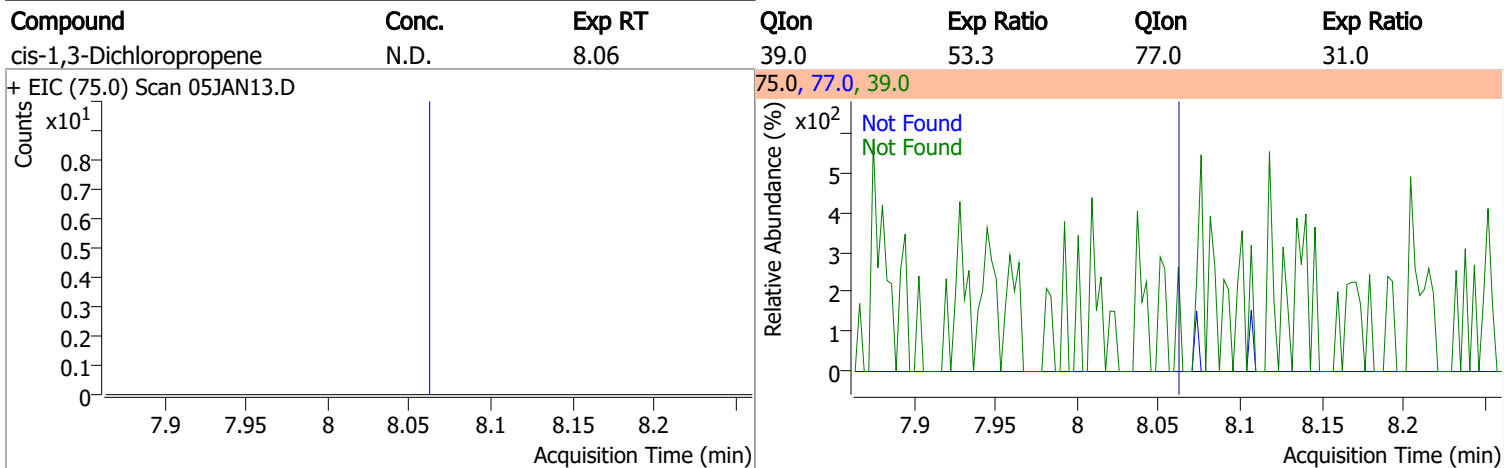
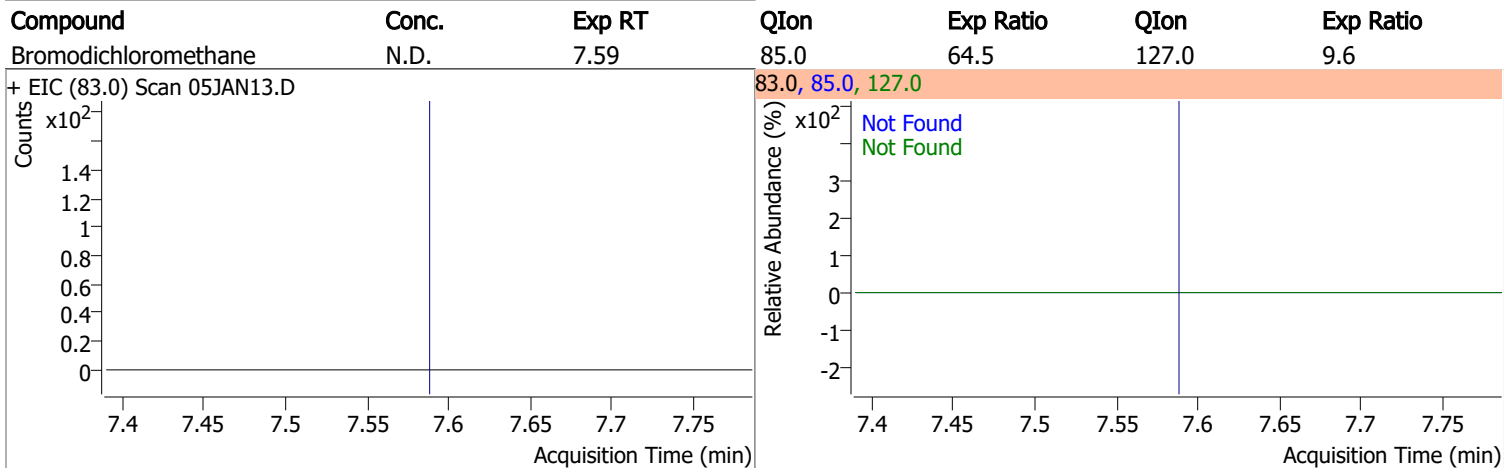
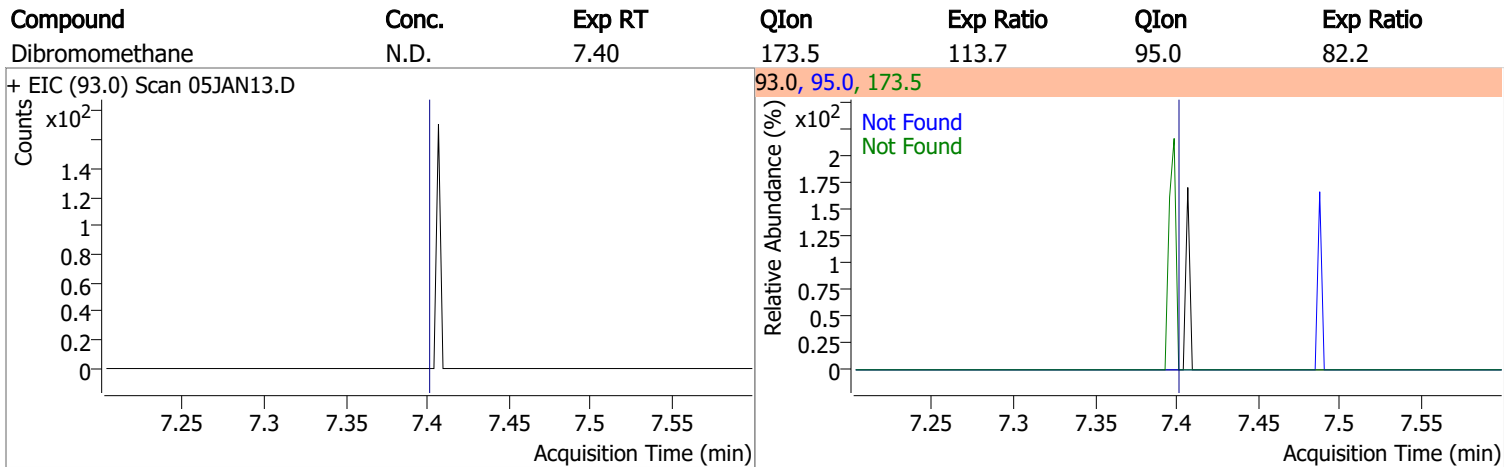
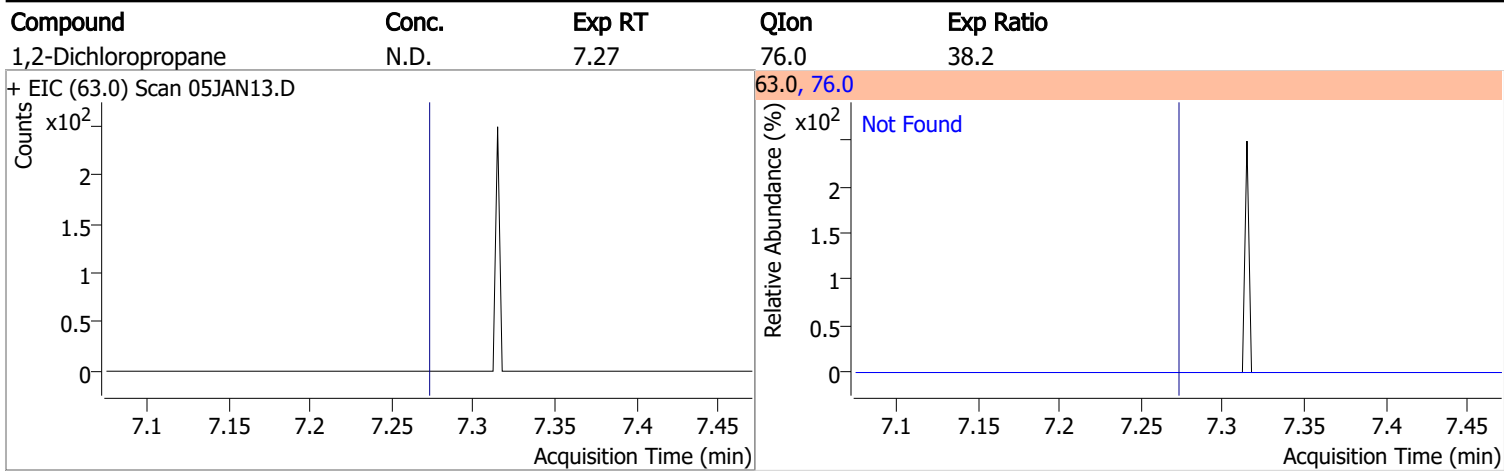
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |



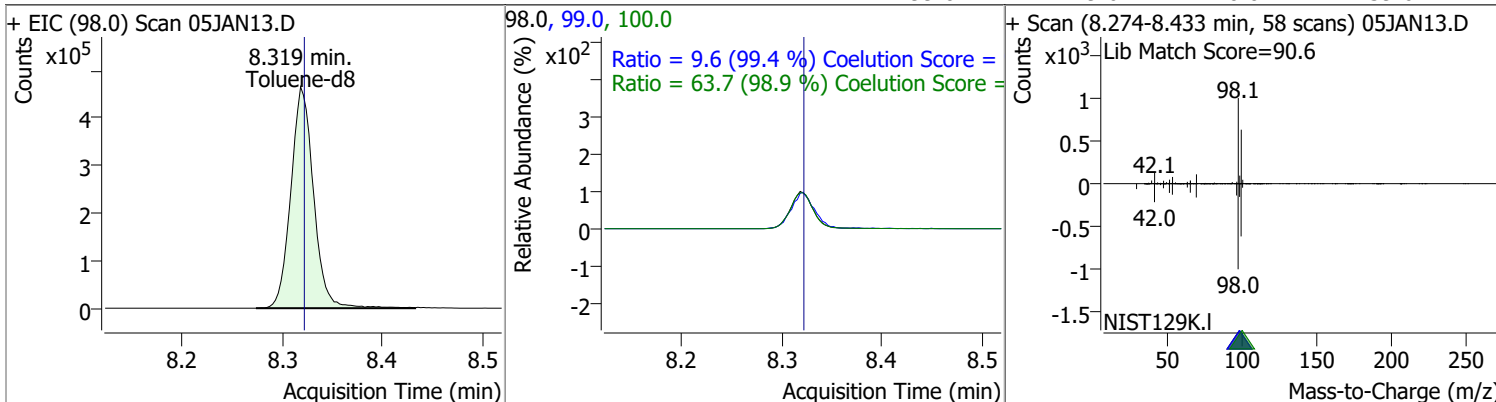
# Quantitation Results Report (QT Reviewed)



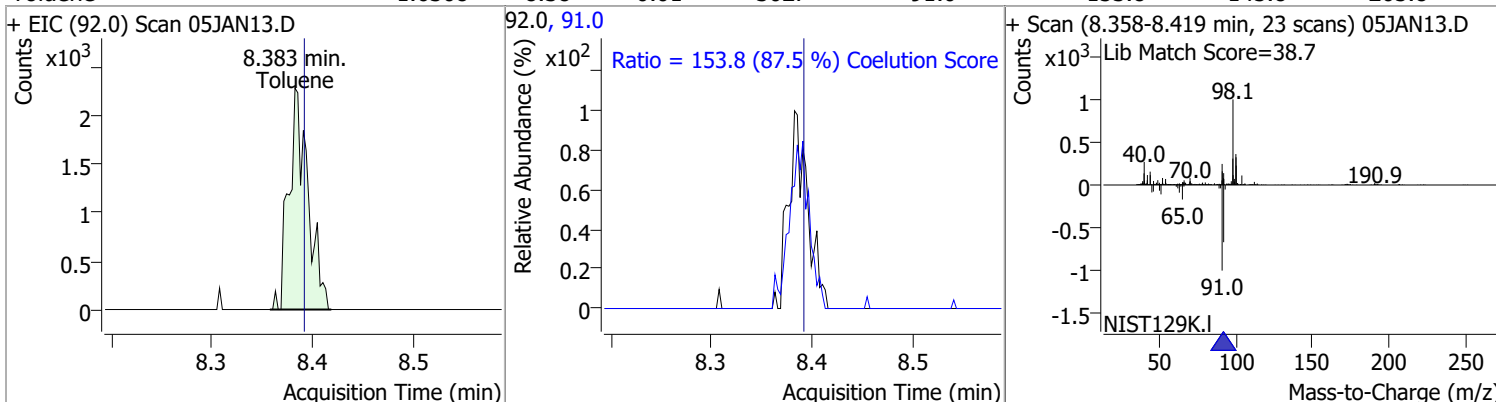


# Quantitation Results Report (QT Reviewed)

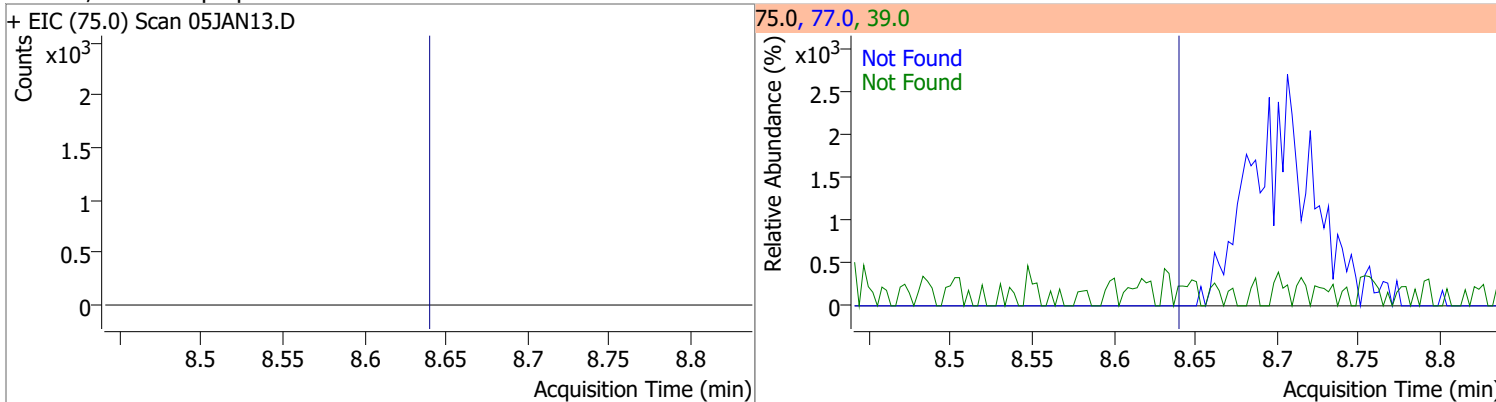
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 266.8733 | 8.32 | 0.00     | 733310 | 100.0 | 63.7   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.6    | 0.0   | 39.6  |



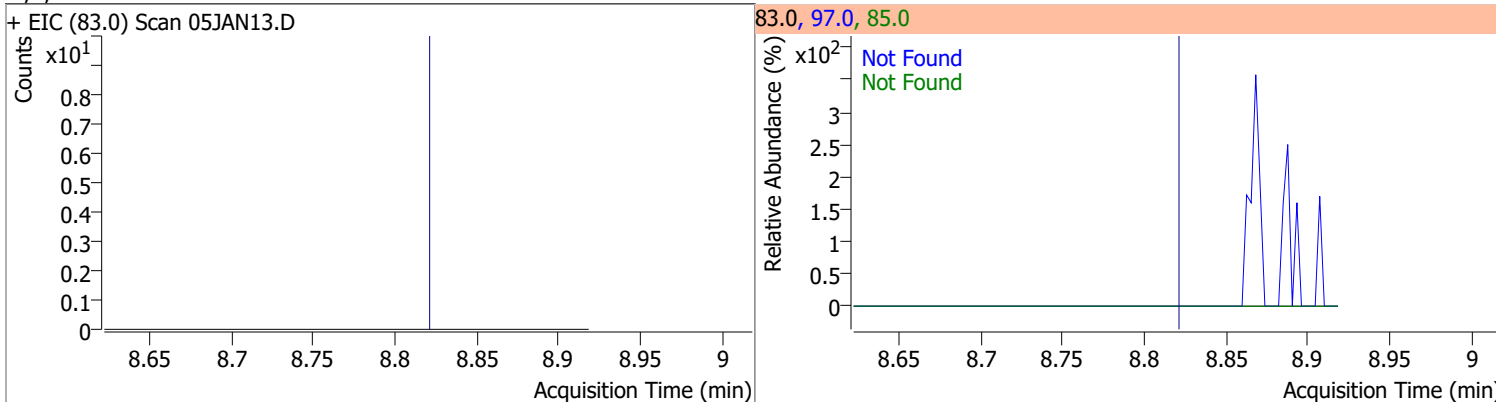
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| Toluene  | 1.6308 | 8.38 | -0.01    | 3027  | 91.0 | 153.8  | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

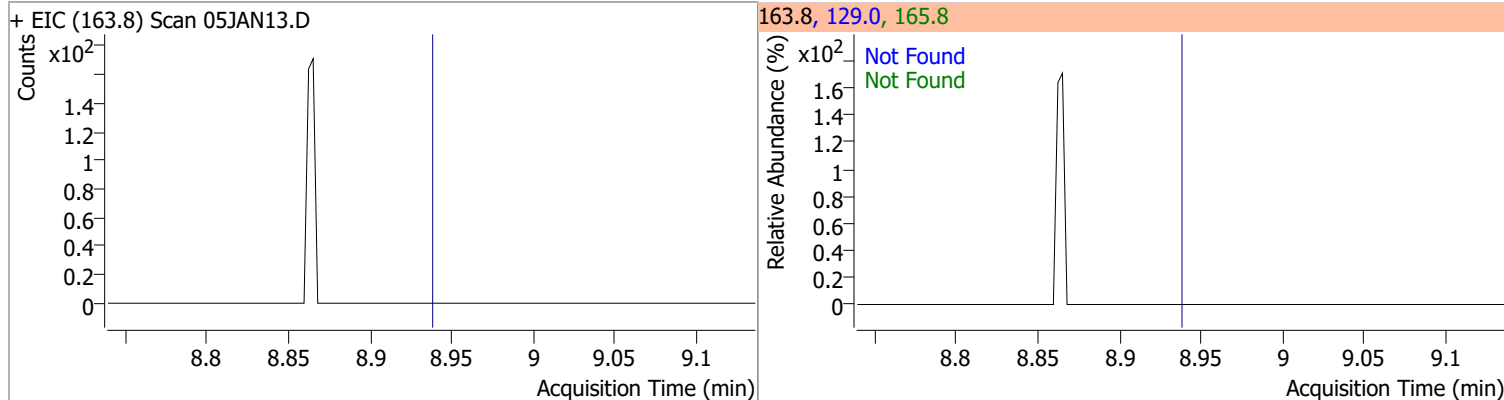


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

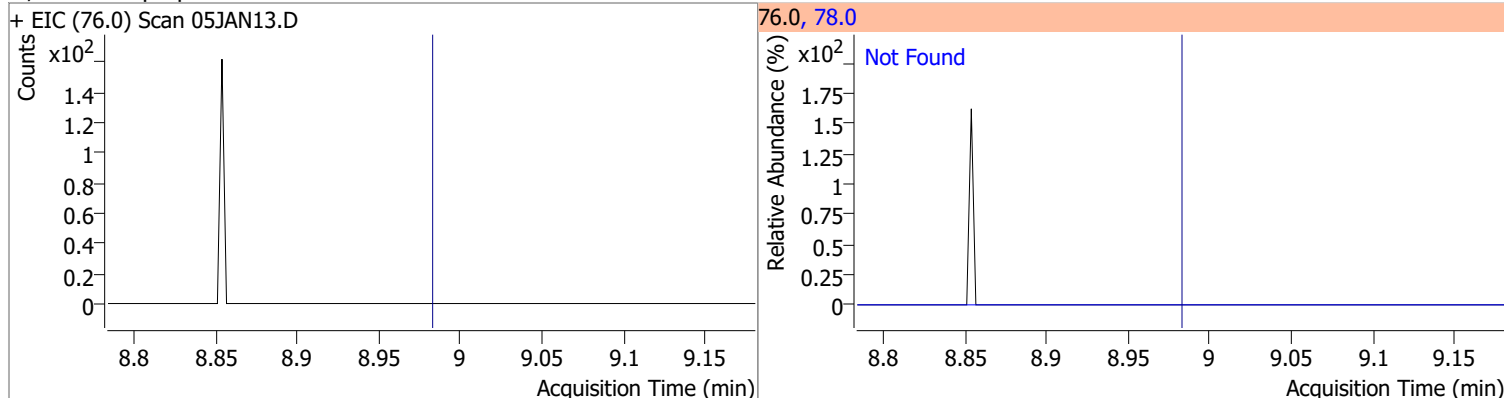


# Quantitation Results Report (QT Reviewed)

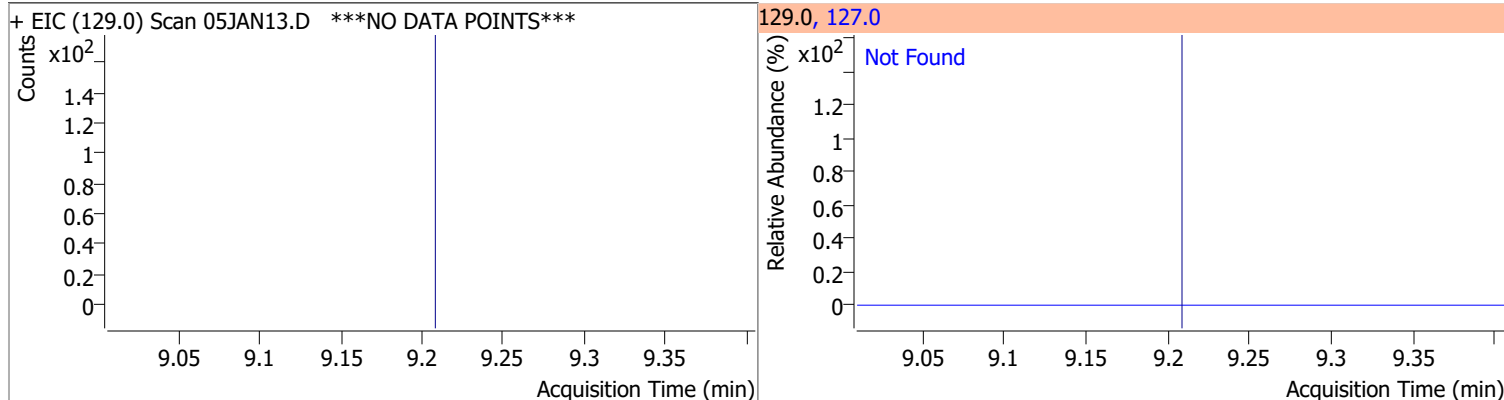
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



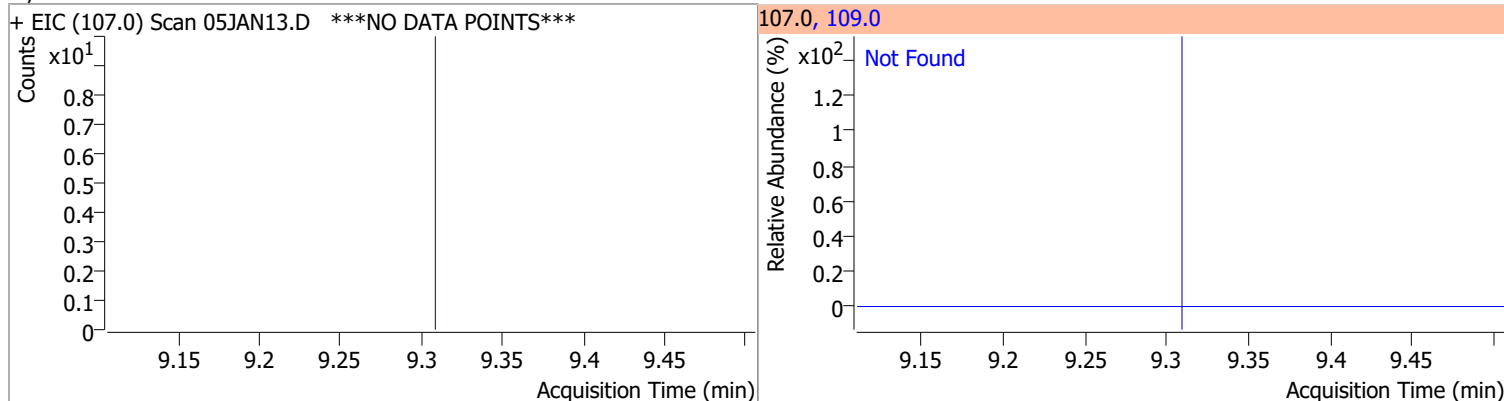
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



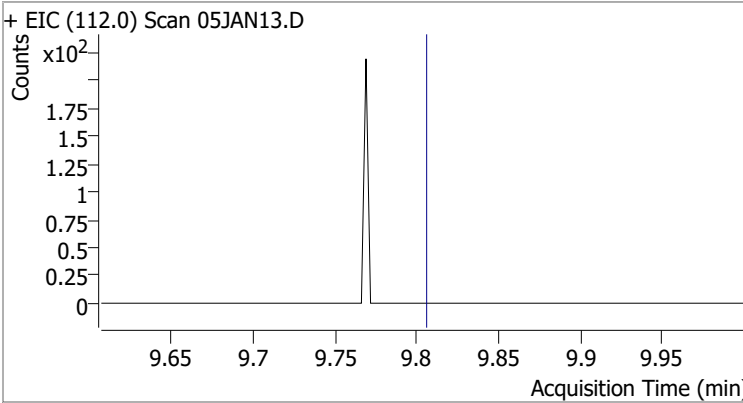
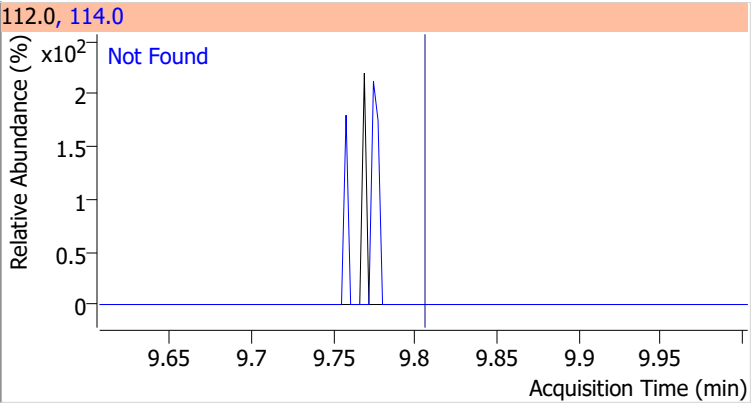
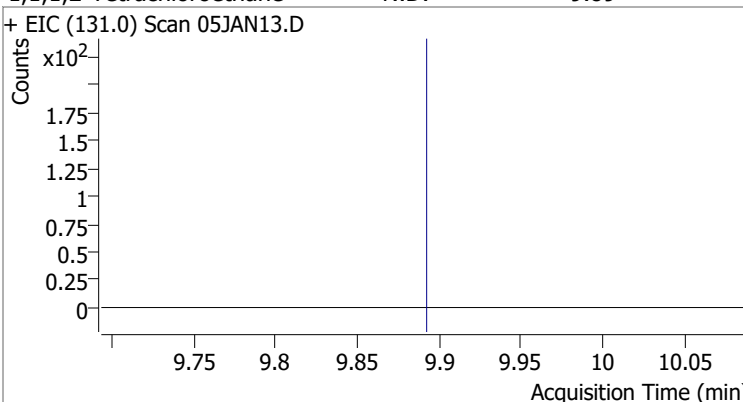
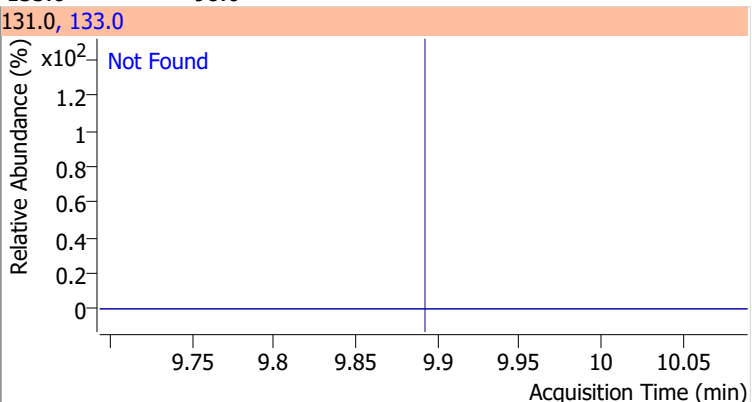
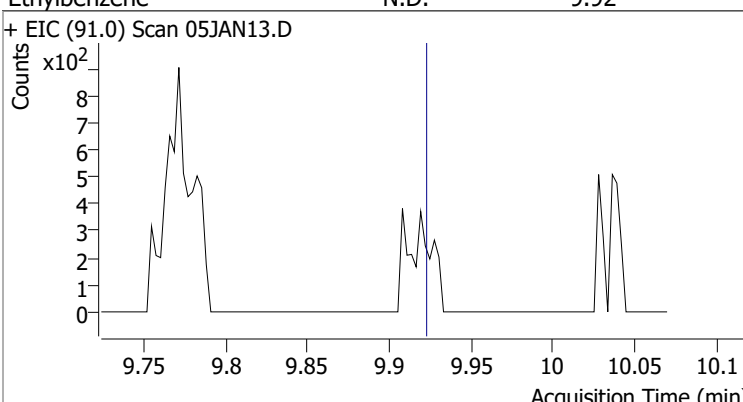
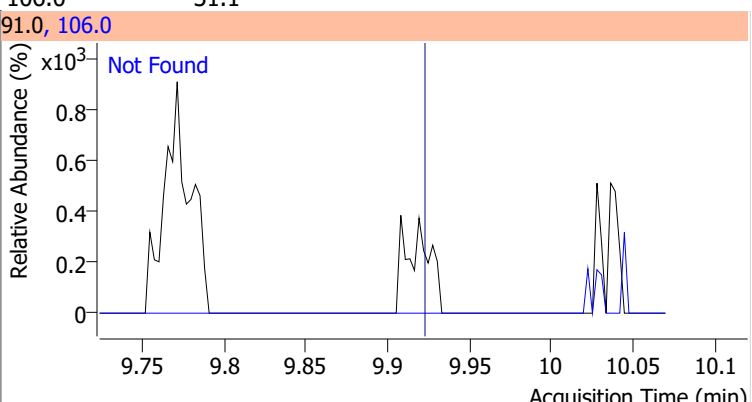
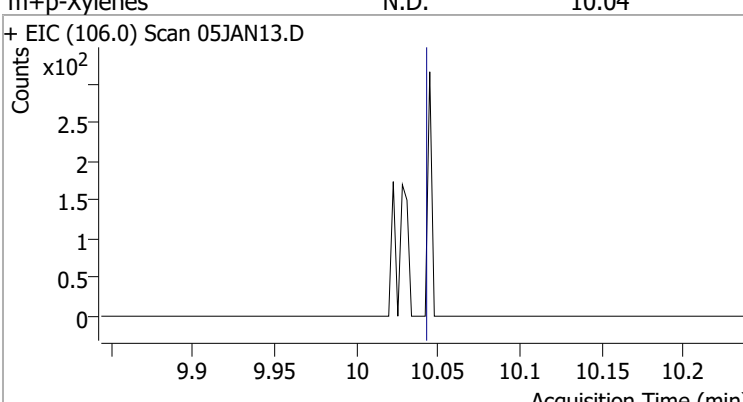
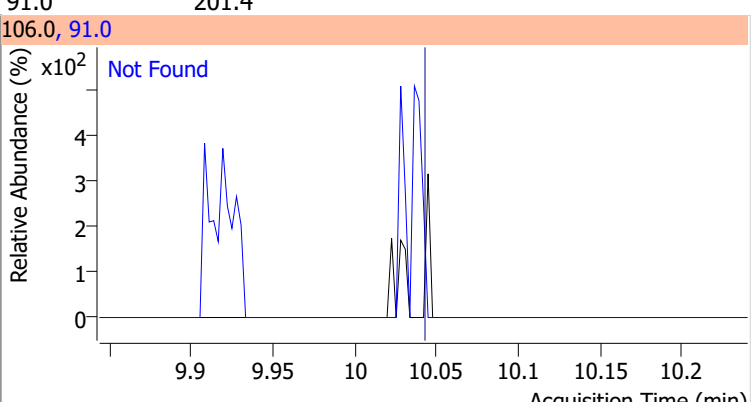
| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |



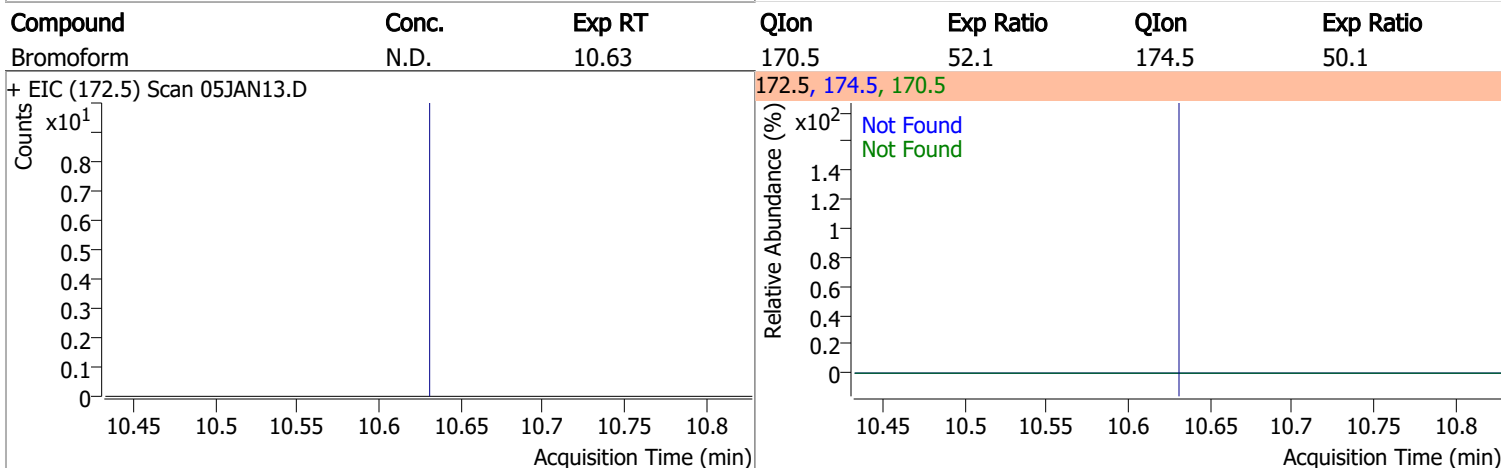
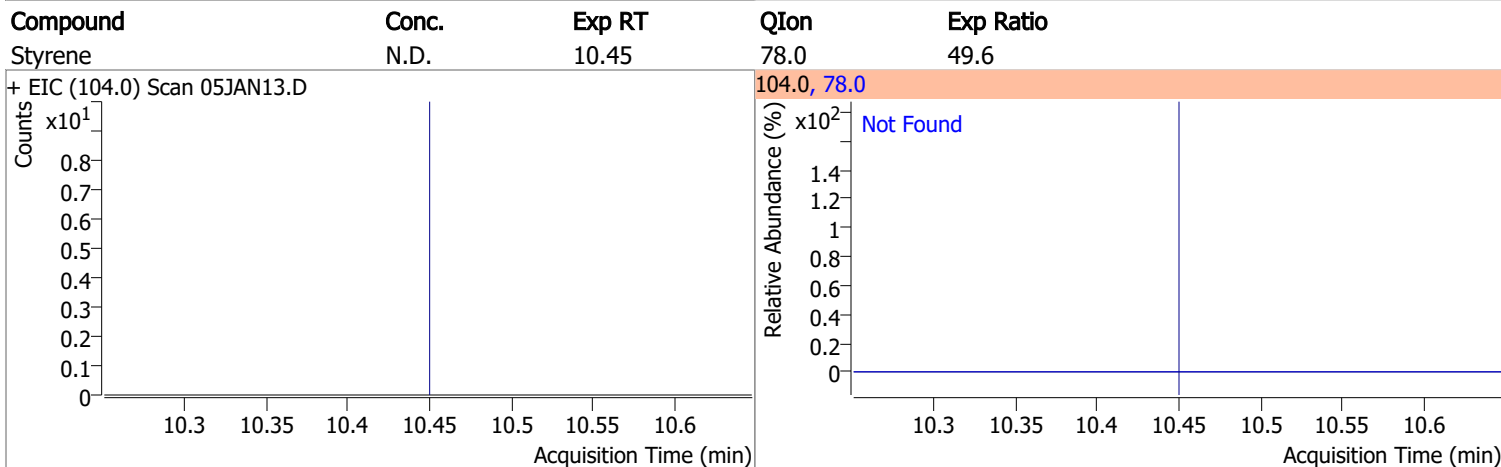
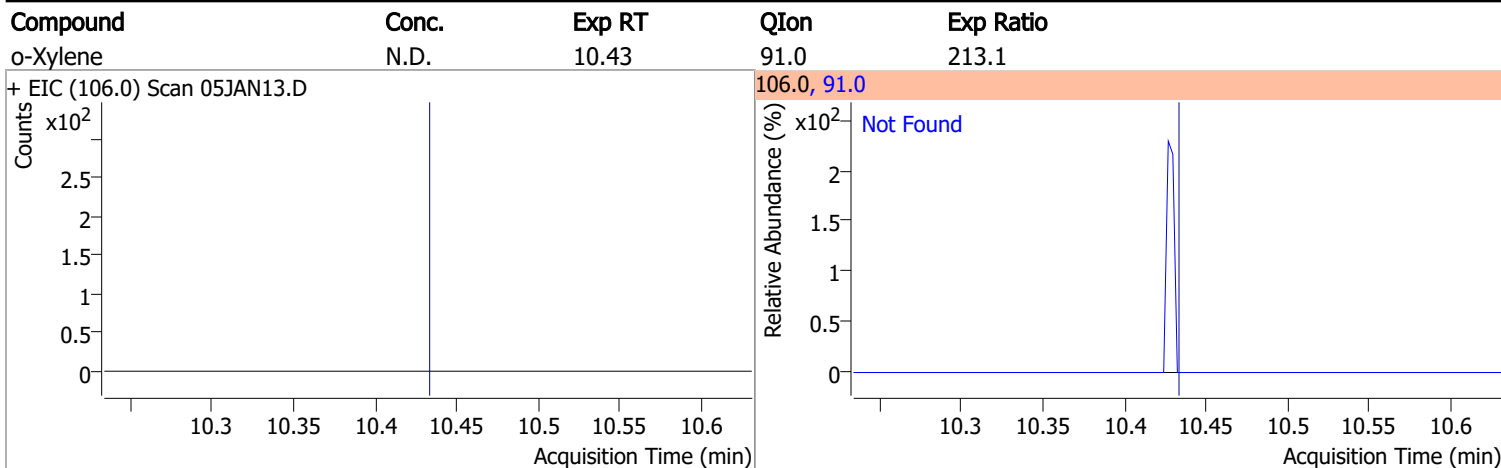
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |



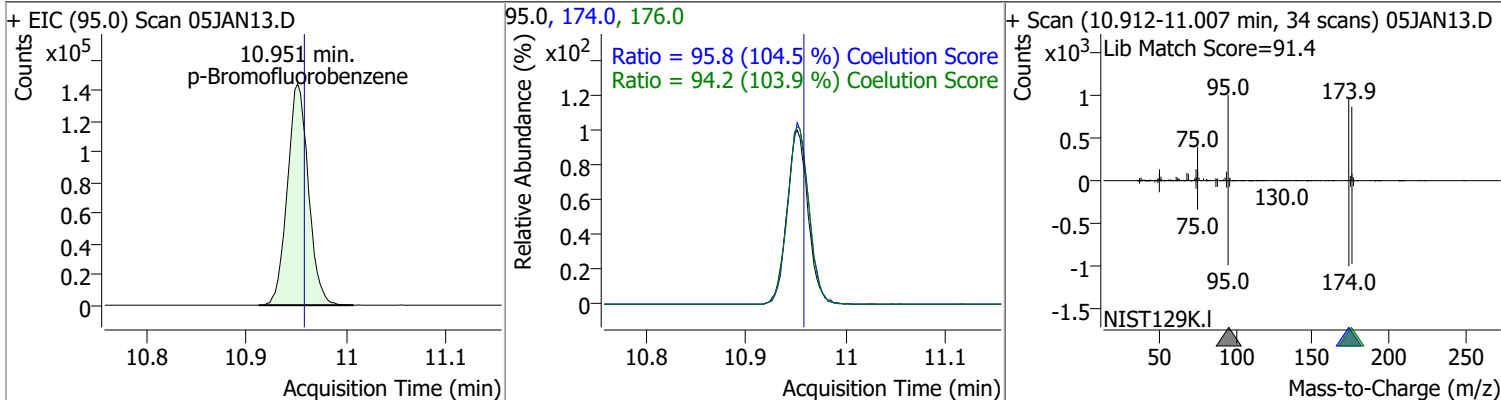
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon  | Exp Ratio |
|--|-------|--------|---|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0   | 32.1      |
| + EIC (112.0) Scan 05JAN13.D<br>   |       |        | 112.0, 114.0<br>  |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0   | 98.6      |
| + EIC (131.0) Scan 05JAN13.D<br>  |       |        | 131.0, 133.0<br> |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0   | 31.1      |
| + EIC (91.0) Scan 05JAN13.D<br>  |       |        | 91.0, 106.0<br> |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0  | 201.4     |
| + EIC (106.0) Scan 05JAN13.D<br> |       |        | 106.0, 91.0<br> |           |

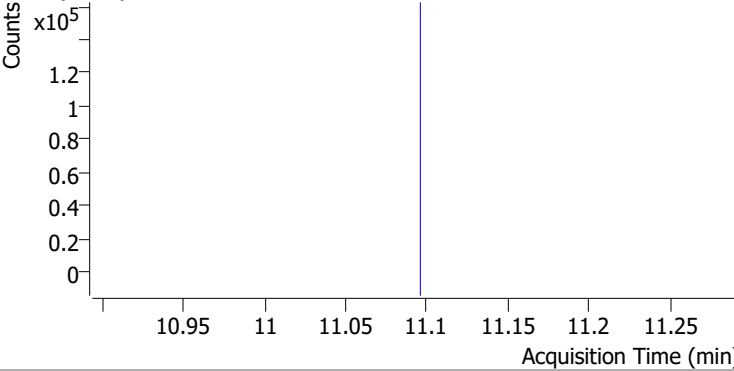
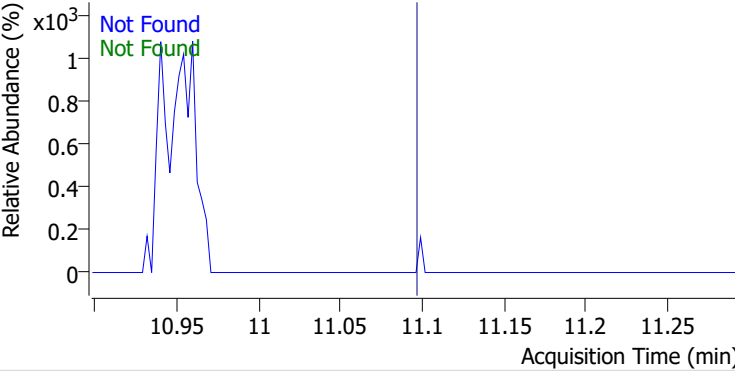
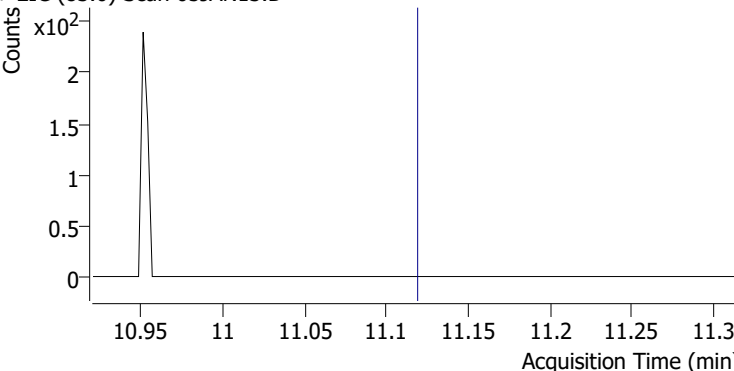
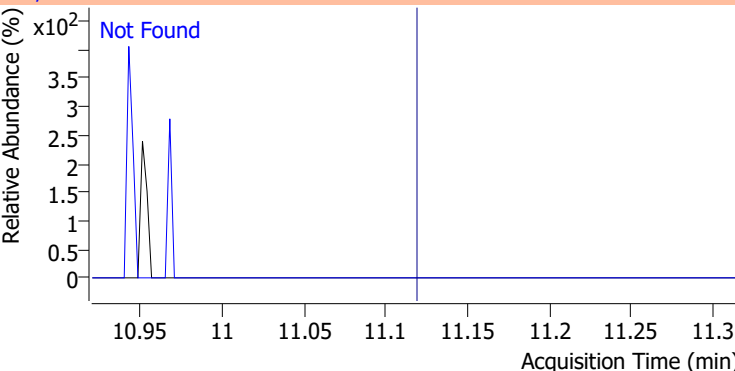
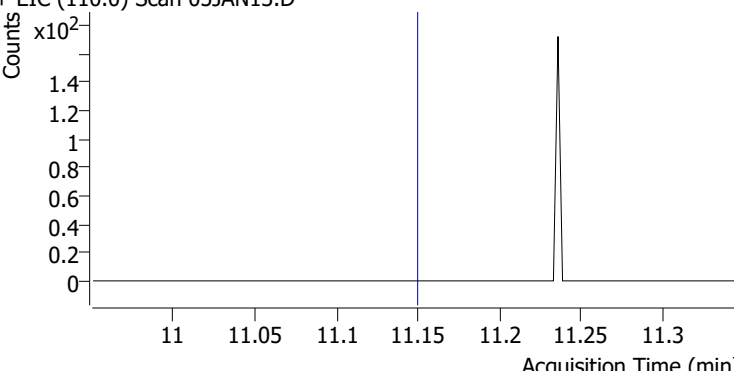
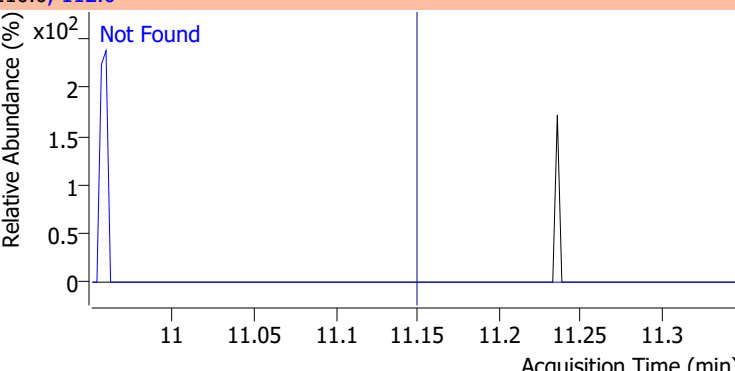
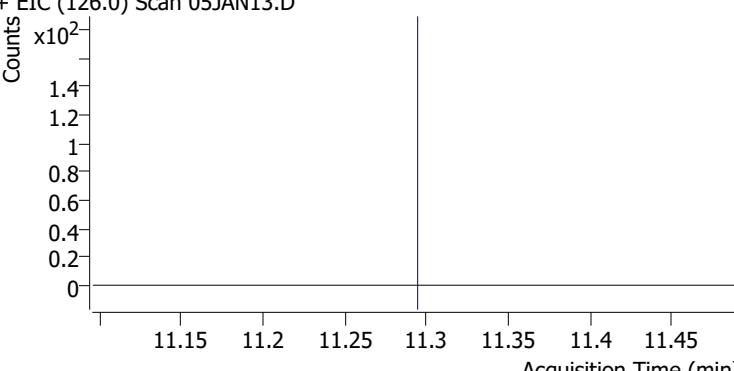
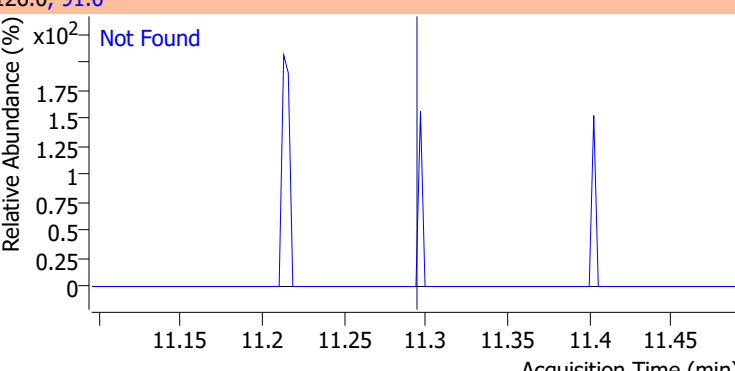
# Quantitation Results Report (QT Reviewed)



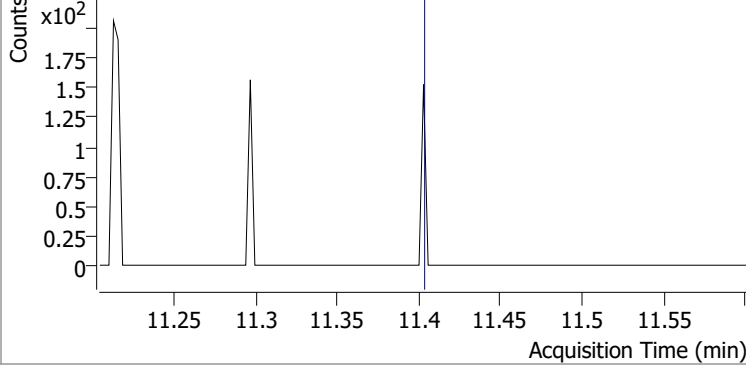
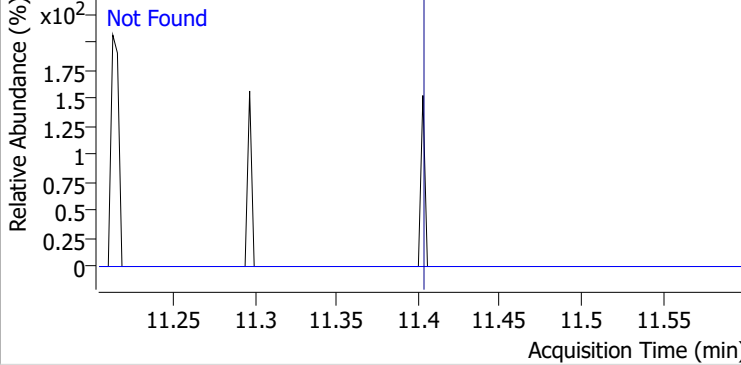
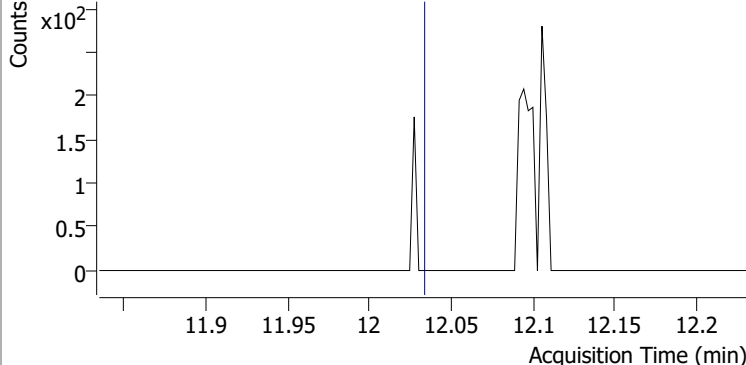
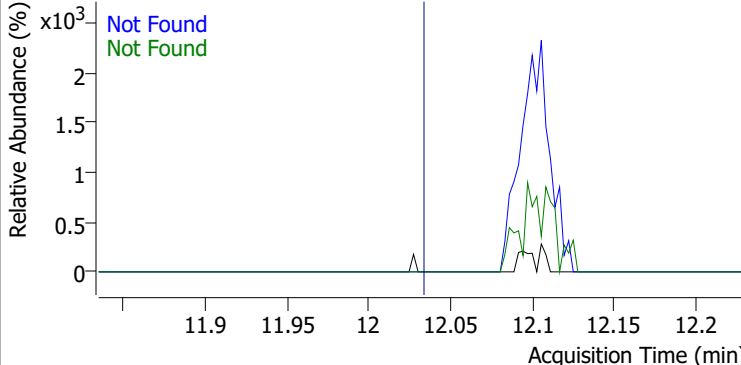
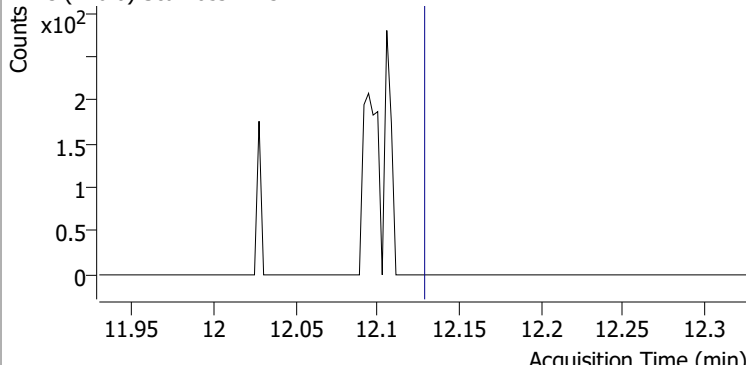
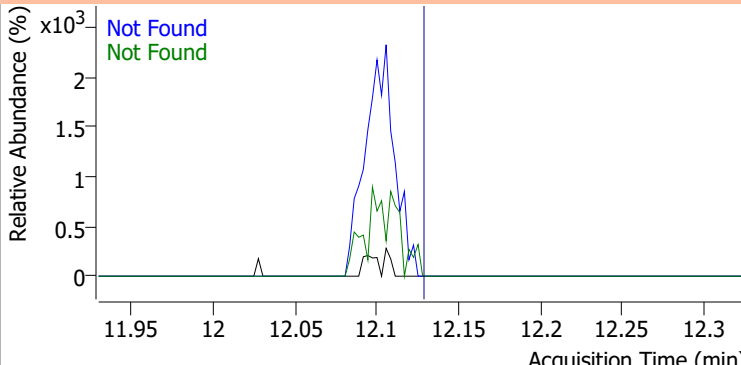
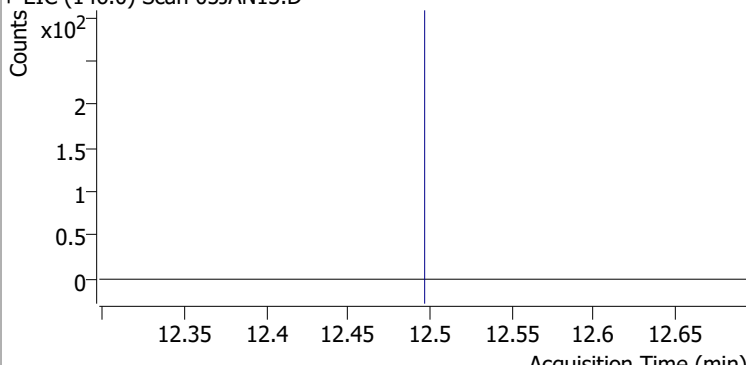
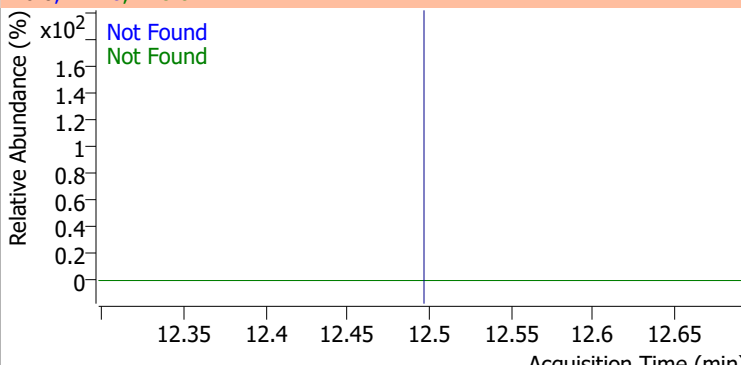
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 265.3424 | 10.95 | 0.00     | 210682 | 174.0 | 95.8   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 94.2   | 60.6  | 120.6 |



# Quantitation Results Report (QT Reviewed)

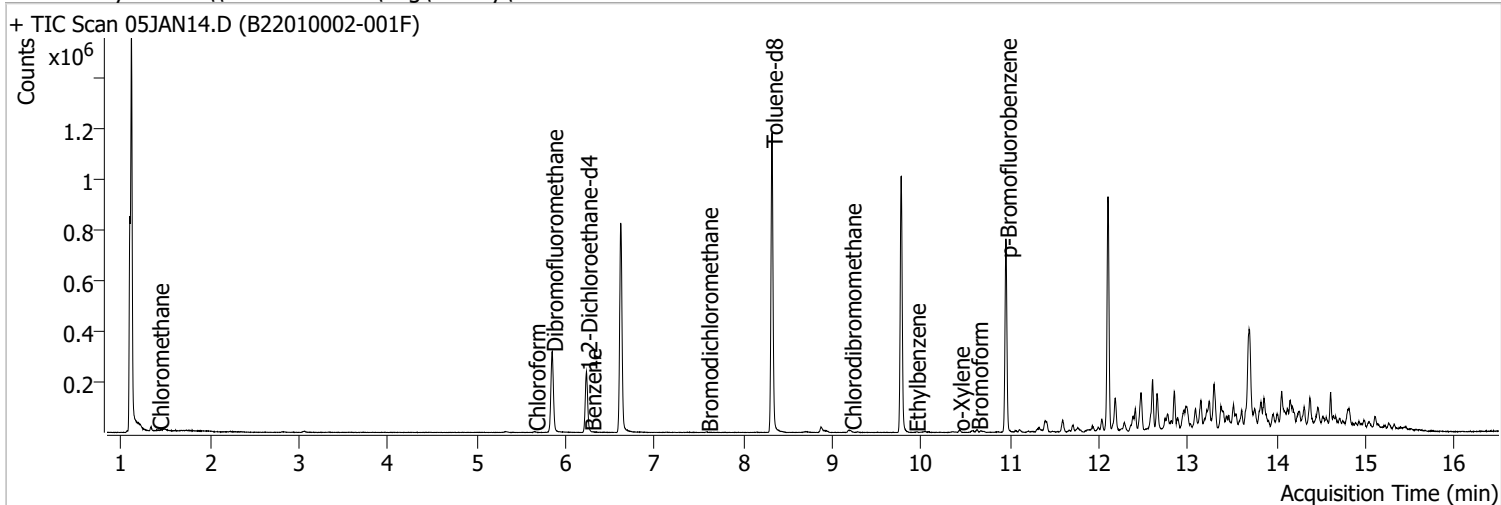
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN13.D ***NO DATA POINTS***                                  |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN13.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN13.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN13.D   |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN13.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN13.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN13.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN13.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN14.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 4:00:32 PM   |
| Sample Name    | B22010002-001F                      | Instrument        | VOA5975C              |
| Vial           | 14                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.l |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.                | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|----------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                      |       |          |
| M Fluorobenzene                    | 6.618                | 96.0  | 708497 | 250.0000             | ng    | -0.006   |
| M Chlorobenzene-d5                 | 9.772                | 82.0  | 279384 | 250.0000             | ng    | 0.000    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 224639 | 250.0000             | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                      |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 185929 | 278.5553             | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 111.42%   |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 85127  | 295.2707             | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 118.11% * |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 711005 | 264.0896             | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 105.64%   |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 217356 | 264.1124             | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 105.64%   |       |          |
| <b>Target Compounds</b>            |                      |       |        |                      |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloromethane                    | 1.414                | 50.0  | 612    | 0.5433               | ng    | m 87     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.                 |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.                 |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.                 |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.                 |       |          |
| T Methylene chloride               | 3.336                | 49.0  | 0      |                      | ng    | md 1     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.                 |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.                 |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.                 |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.                 |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.                 |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.                 |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.                 |       |          |
| T Chloroform                       | 5.647                | 83.0  | 2570   | 1.9054               | ng    | m 96     |

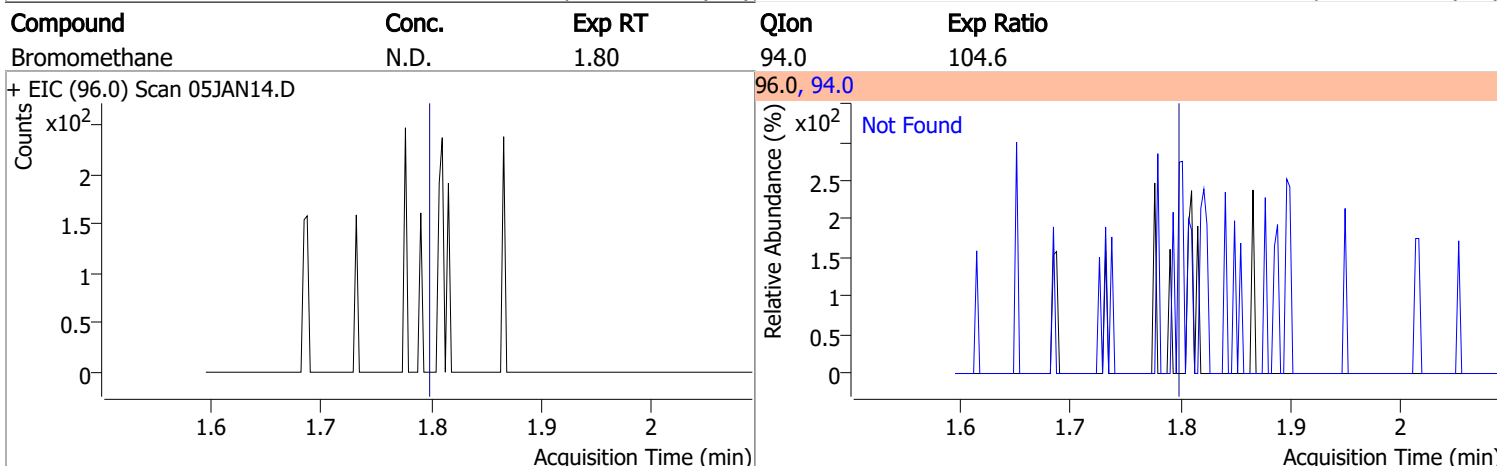
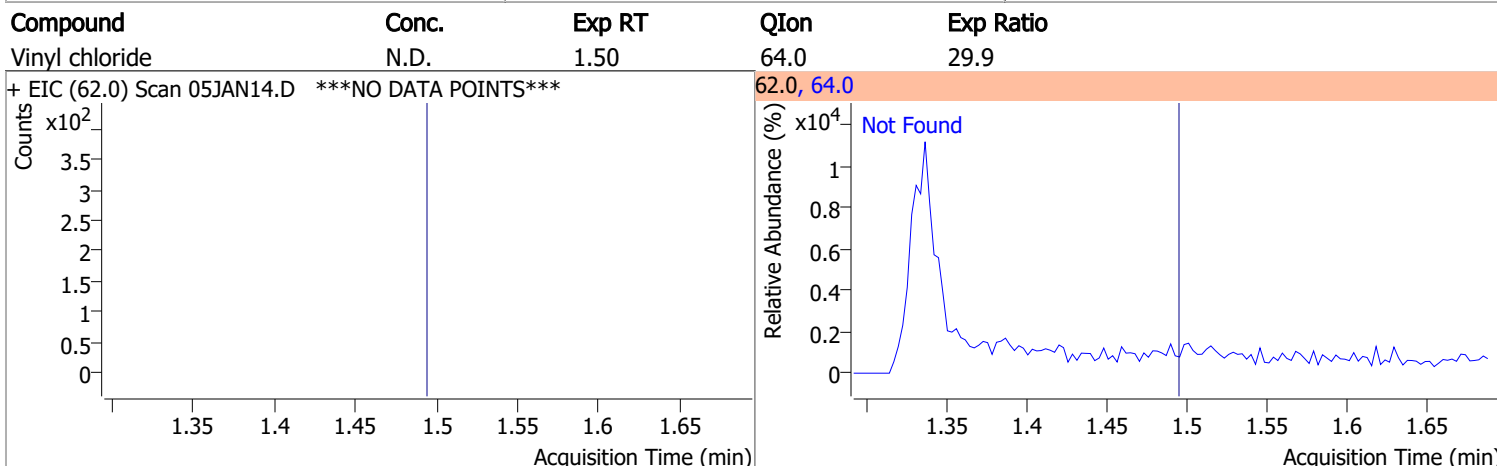
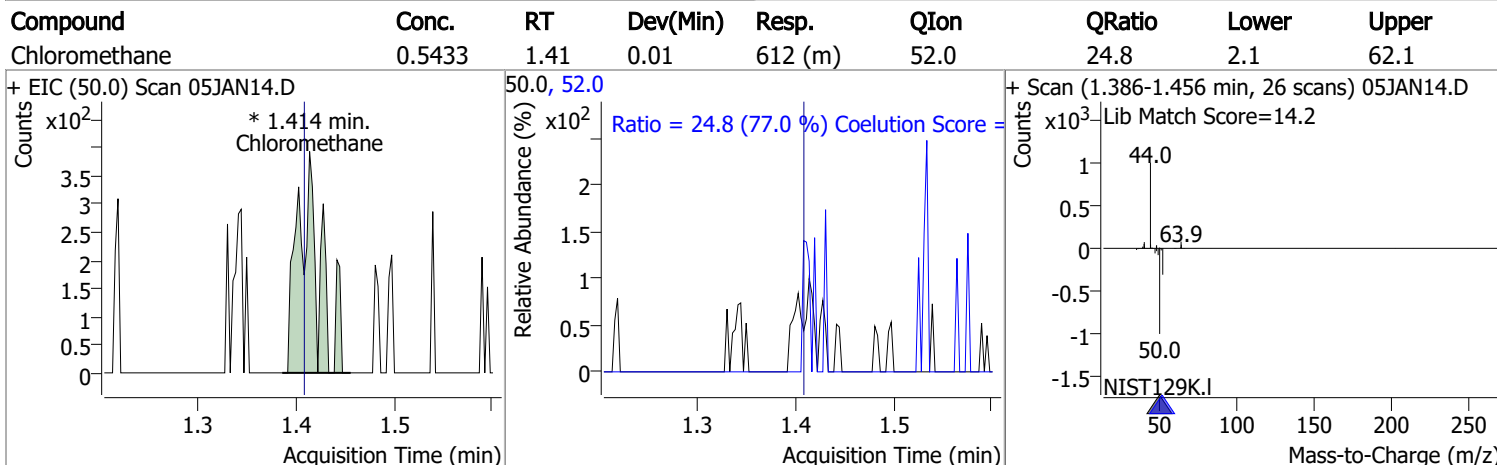
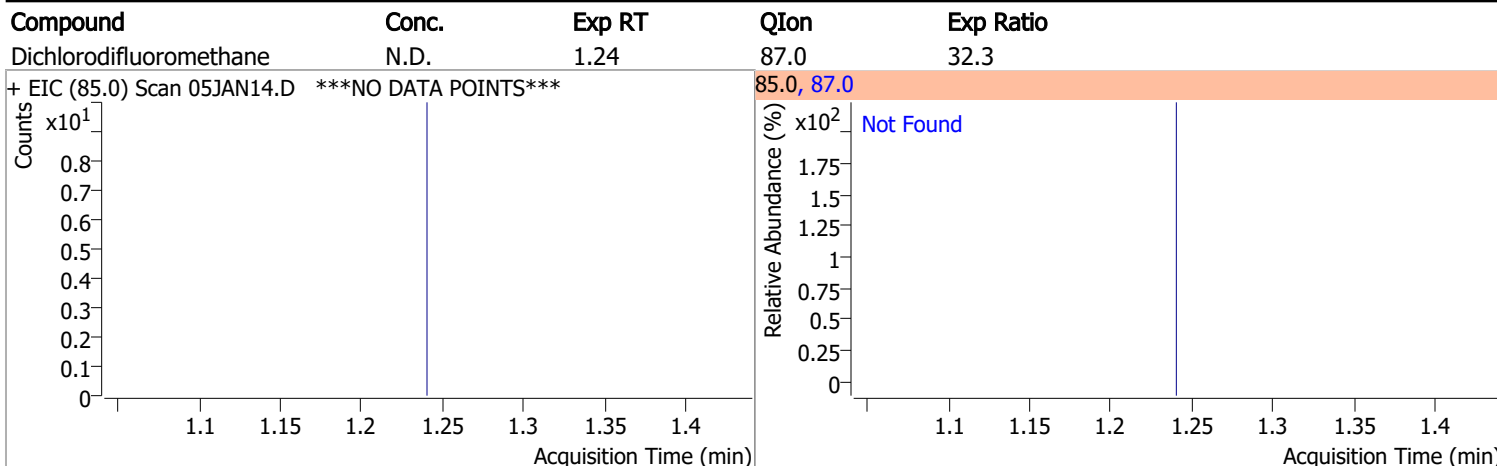
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.   | Units |    | Dev(Min) |
|-----------------------------|--------|-------|-------|---------|-------|----|----------|
| T 1,1,1-Trichloroethane     | 0.000  |       | 0     | N.D.    |       |    |          |
| T Carbon tetrachloride      | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,1-Dichloropropene       | 0.000  |       | 0     | N.D.    |       |    |          |
| T Benzene                   | 6.278  | 78.0  | 357   | 0.1266  | ng    | m  | 90       |
| T 1,2-Dichloroethane        | 0.000  |       | 0     | N.D.    |       |    |          |
| T Trichloroethene           | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,2-Dichloropropane       | 0.000  |       | 0     | N.D.    |       |    |          |
| T Dibromomethane            | 0.000  |       | 0     | N.D.    |       |    |          |
| T Bromodichloromethane      | 7.591  | 83.0  | 1414  | 1.6353  | ng    | m  | 89       |
| T cis-1,3-Dichloropropene   | 0.000  |       | 0     | N.D.    |       |    |          |
| T Toluene                   | 8.386  | 92.0  | 0     |         | ng    | md | 1        |
| T trans-1,3-Dichloropropene | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,1,2-Trichloroethane     | 0.000  |       | 0     | N.D.    |       |    |          |
| T Tetrachloroethene         | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,3-Dichloropropane       | 0.000  |       | 0     | N.D.    |       |    |          |
| T Chlorodibromomethane      | 9.203  | 129.0 | 3282  | 5.7950  | ng    | m  | 94       |
| T 1,2-Dibromoethane         | 0.000  |       | 0     | N.D.    |       |    |          |
| T Chlorobenzene             | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,1,1,2-Tetrachloroethane | 0.000  |       | 0     | N.D.    |       |    |          |
| T Ethylbenzene              | 9.928  | 91.0  | 333   | 0.0965  | ng    | m  | 74       |
| T m+p-Xylenes               | 10.039 | 106.0 | 0     |         | ng    | md | 1        |
| T o-Xylene                  | 10.421 | 106.0 | 2546  | 2.1312  | ng    |    | 88       |
| T Styrene                   | 0.000  |       | 0     | N.D.    |       |    |          |
| T Bromoform                 | 10.628 | 172.5 | 4757  | 16.5483 | ng    |    | 95       |
| T Bromobenzene              | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,1,2,2-Tetrachloroethane | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.    |       |    |          |
| T 2-Chlorotoluene           | 0.000  |       | 0     | N.D.    |       |    |          |
| T 4-Chlorotoluene           | 11.392 | 91.0  | 0     |         | ng    | md | 1        |
| T 1,3-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,4-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,2-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |    |          |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

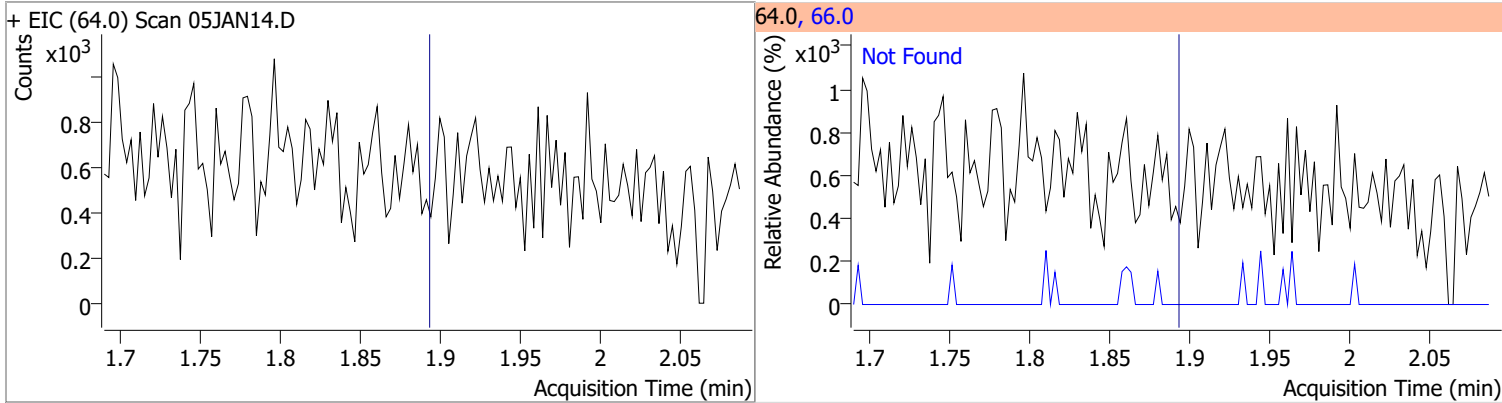


# Quantitation Results Report (QT Reviewed)

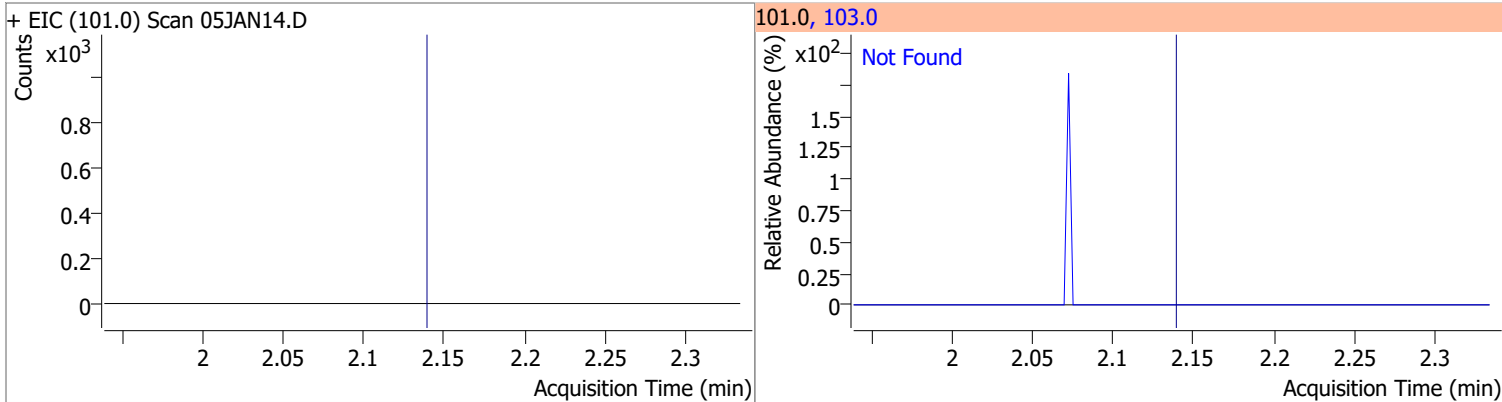


# Quantitation Results Report (QT Reviewed)

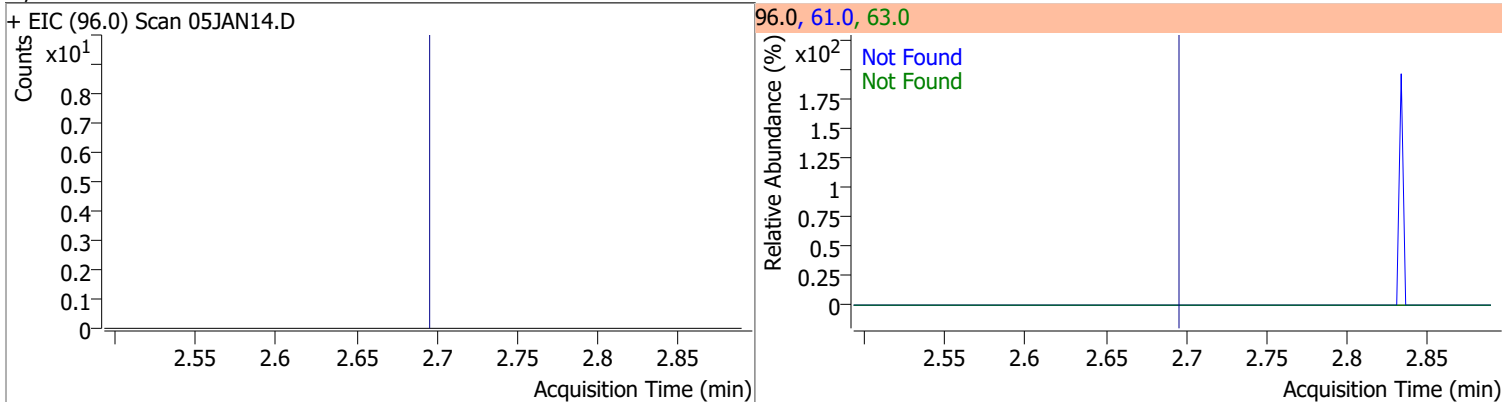
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



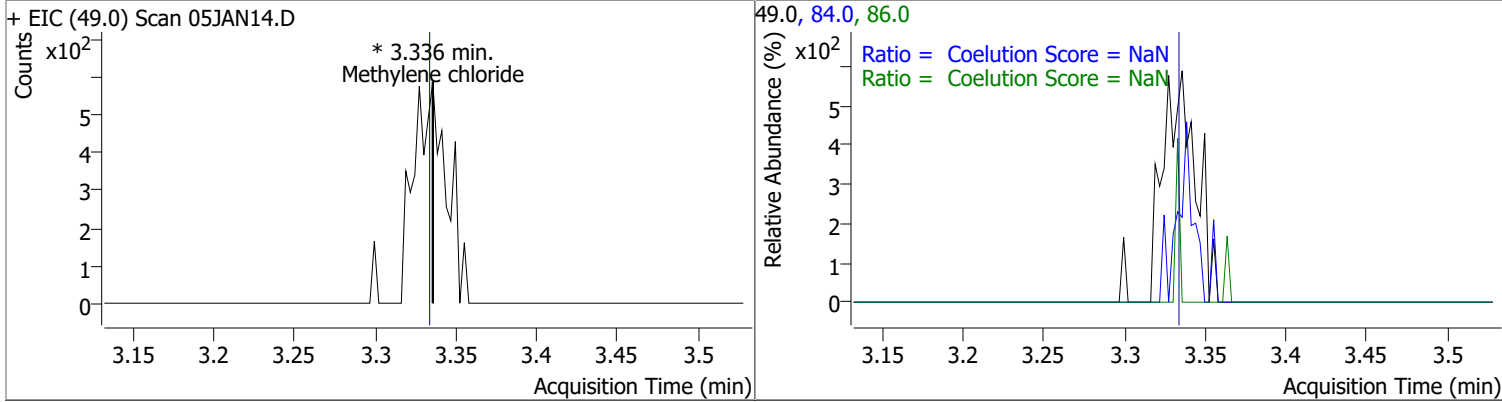
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



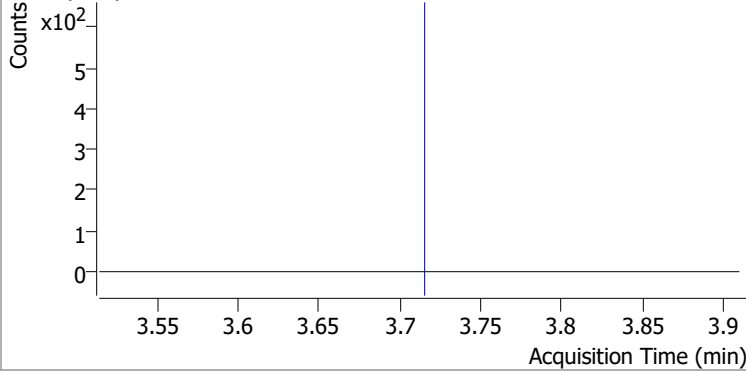
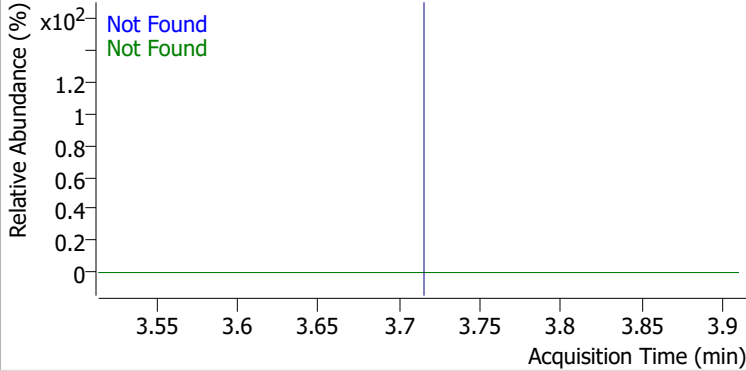
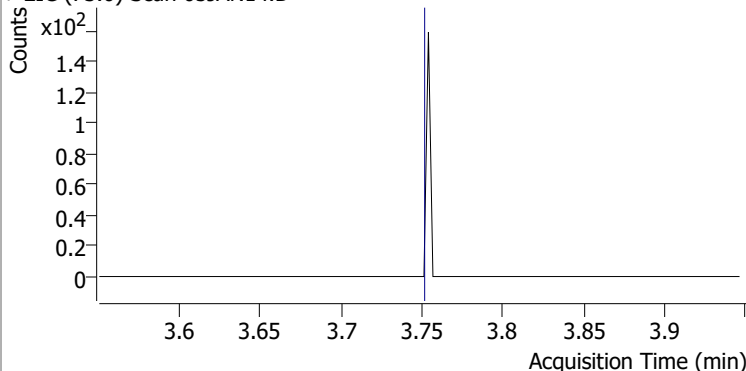
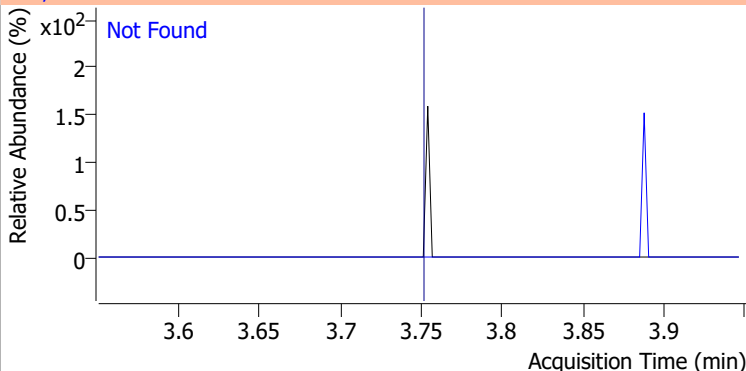
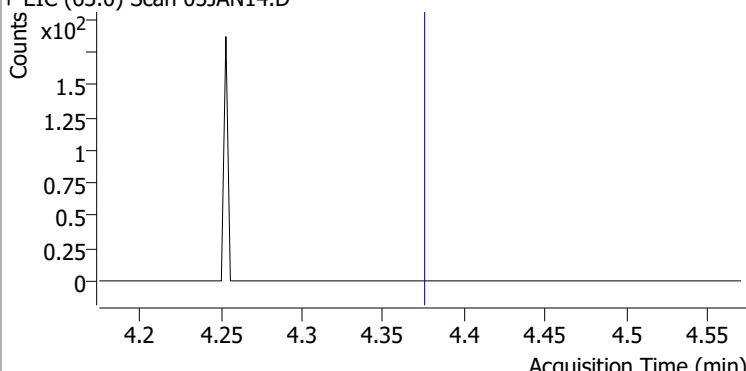
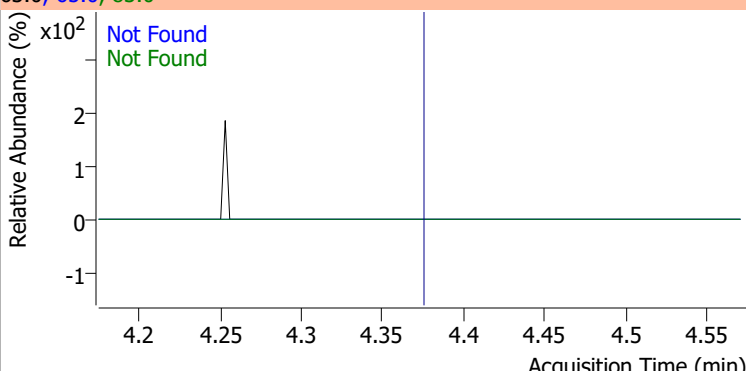
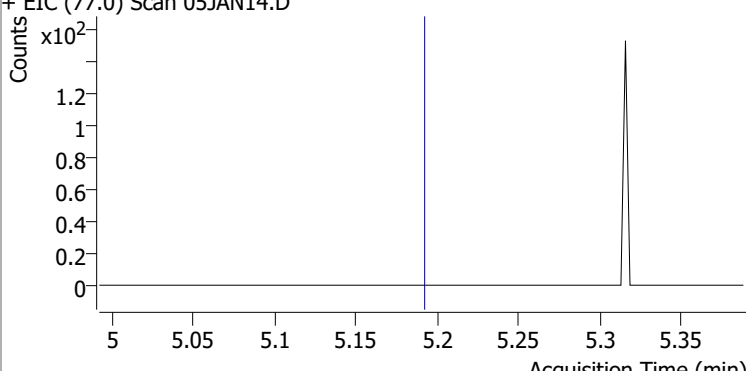
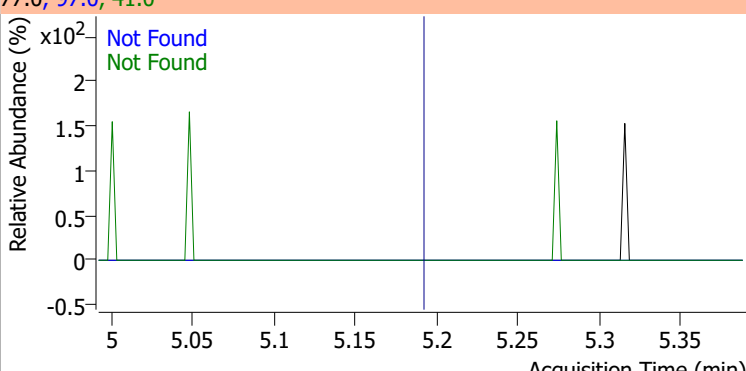
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |



| Compound           | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|-------|----|----------|-------|------|--------|-------|-------|
| Methylene chloride |       | 0  |          | 0     | 84.0 |        | 36.9  | 96.9  |
|                    |       |    |          |       | 86.0 |        | 14.3  | 74.3  |

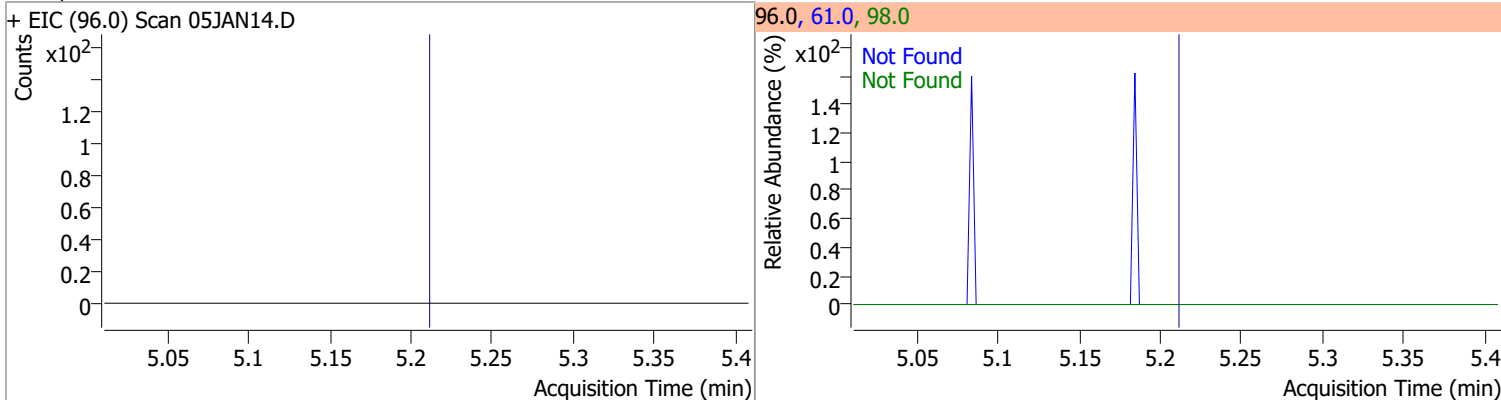


# Quantitation Results Report (QT Reviewed)

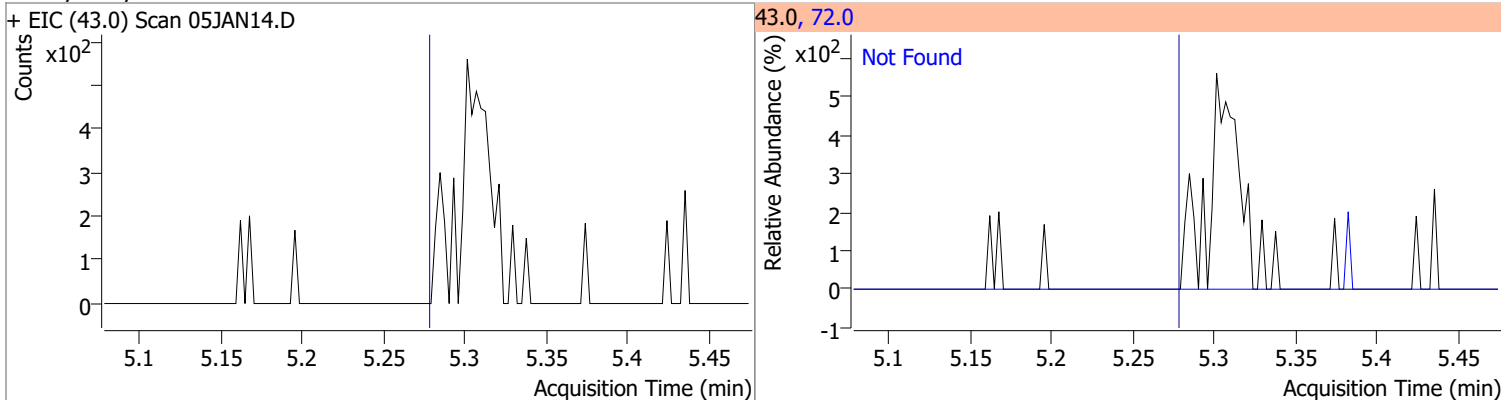
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon | Exp Ratio |
|--|-------|--------|--|-----------|------|-----------|
| trans-1,2-Dichloroethene   | N.D.  | 3.72   | 61.0   | 153.9     | 98.0 | 65.7      |
| + EIC (96.0) Scan 05JAN14.D  |       |        | 96.0, 61.0, 98.0   |           |      |           |
|    |       |        |    |           |      |           |
| Methyl tert-butyl ether (MTBE)   | N.D.  | 3.75   | 57.0   | 24.6      |      |           |
| + EIC (73.0) Scan 05JAN14.D  |       |        | 73.0, 57.0   |           |      |           |
|   |       |        |   |           |      |           |
| 1,1-Dichloroethane   | N.D.  | 4.38   | 65.0   | 32.1      | 83.0 | 13.7      |
| + EIC (63.0) Scan 05JAN14.D  |       |        | 63.0, 65.0, 83.0   |           |      |           |
|  |       |        |  |           |      |           |
| 2,2-Dichloropropane  | N.D.  | 5.20   | 41.0   | 66.5      | 97.0 | 23.2      |
| + EIC (77.0) Scan 05JAN14.D  |       |        | 77.0, 97.0, 41.0   |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

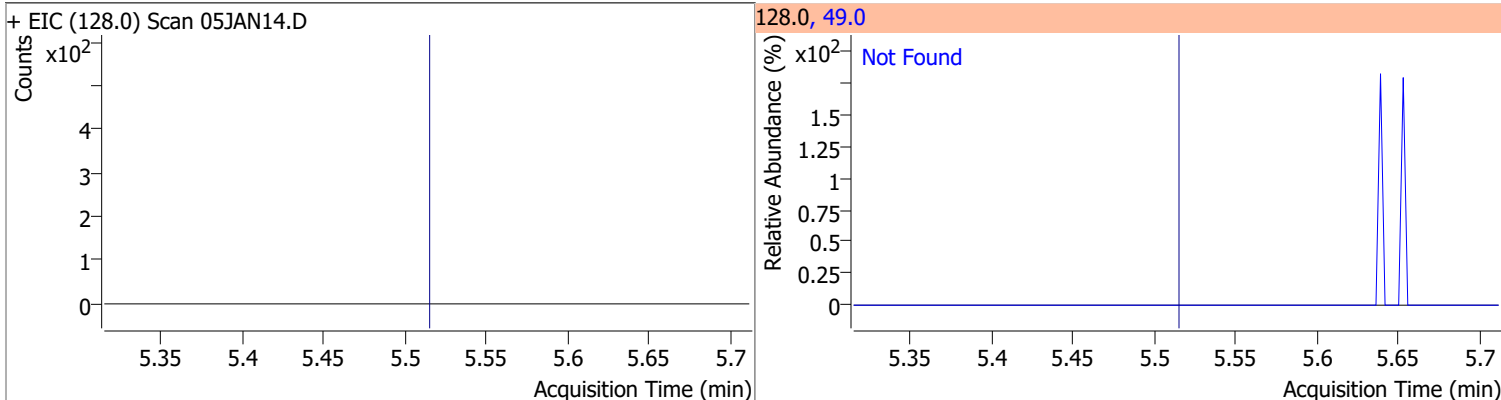
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



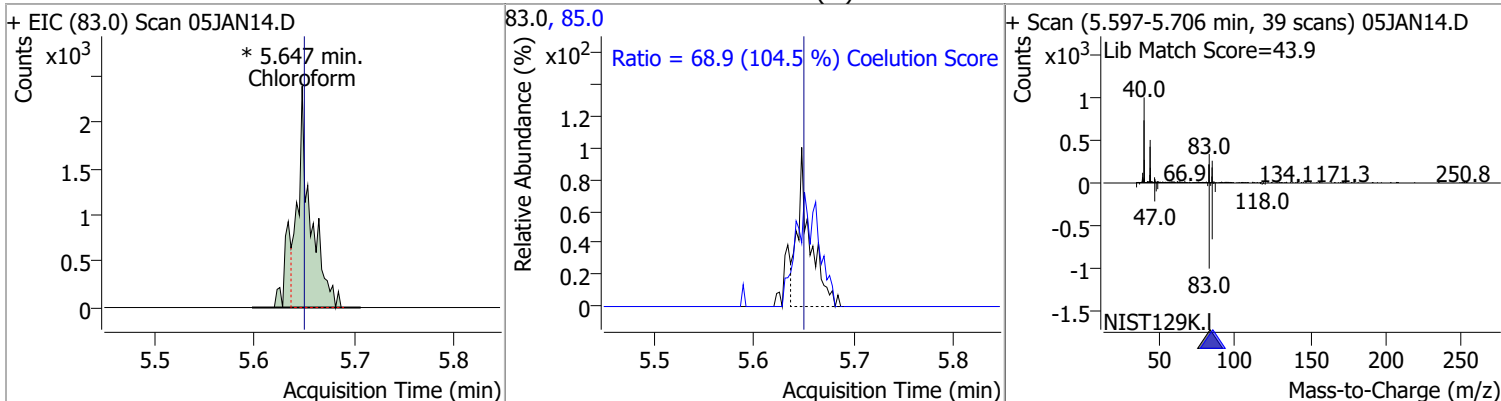
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



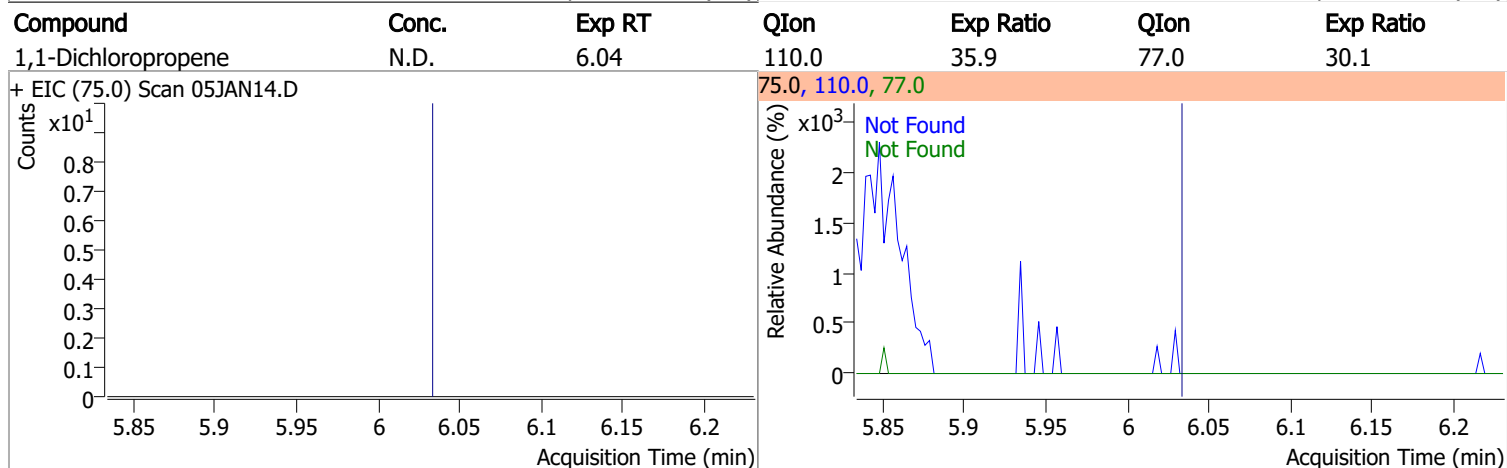
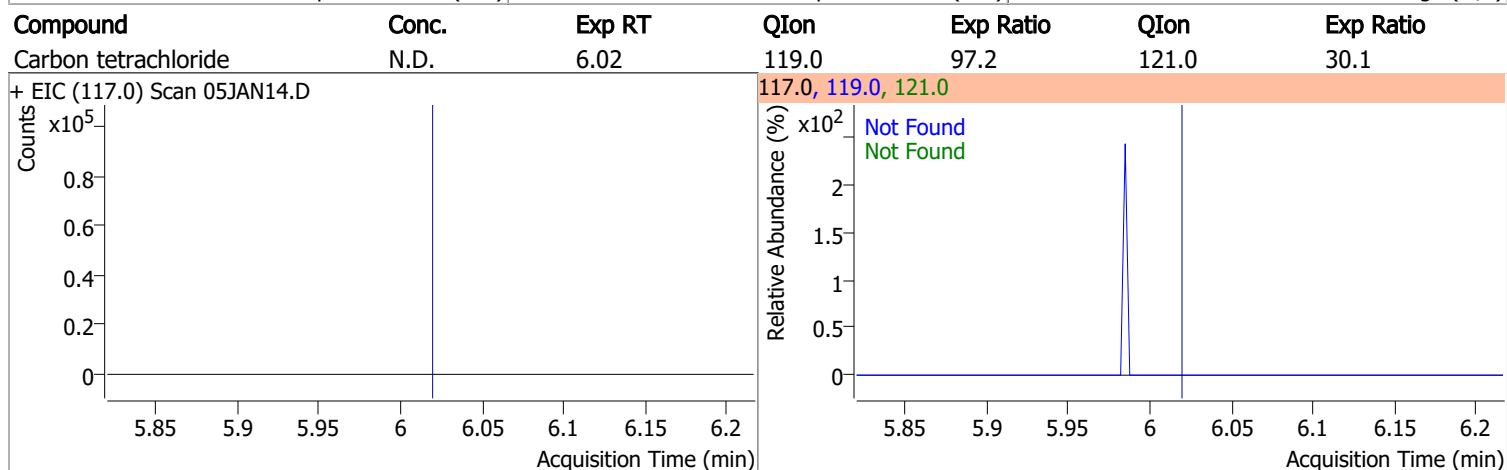
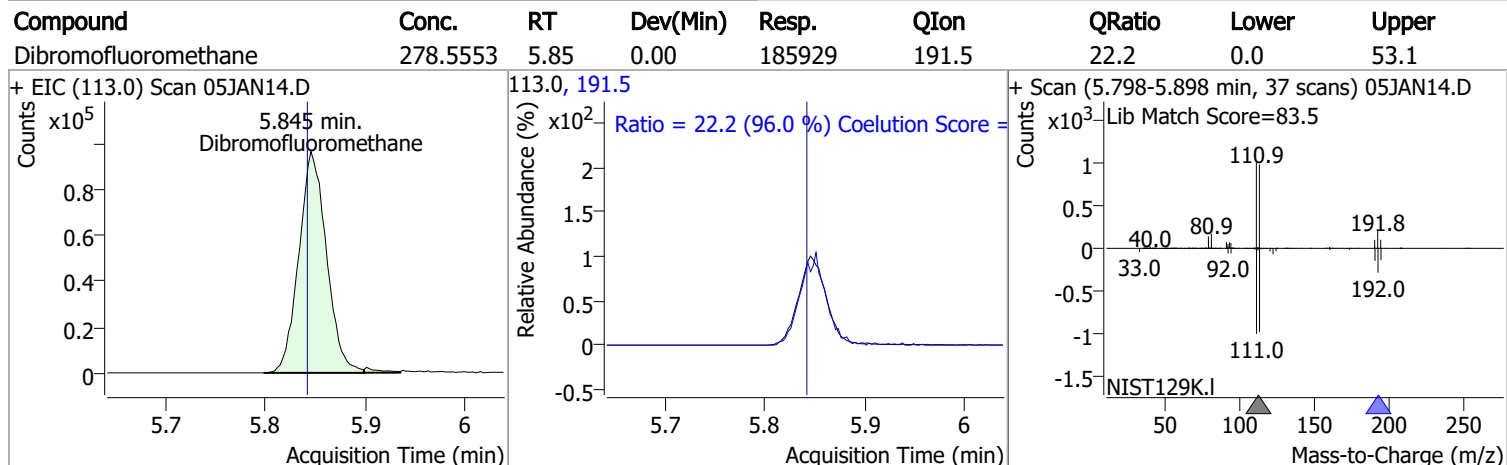
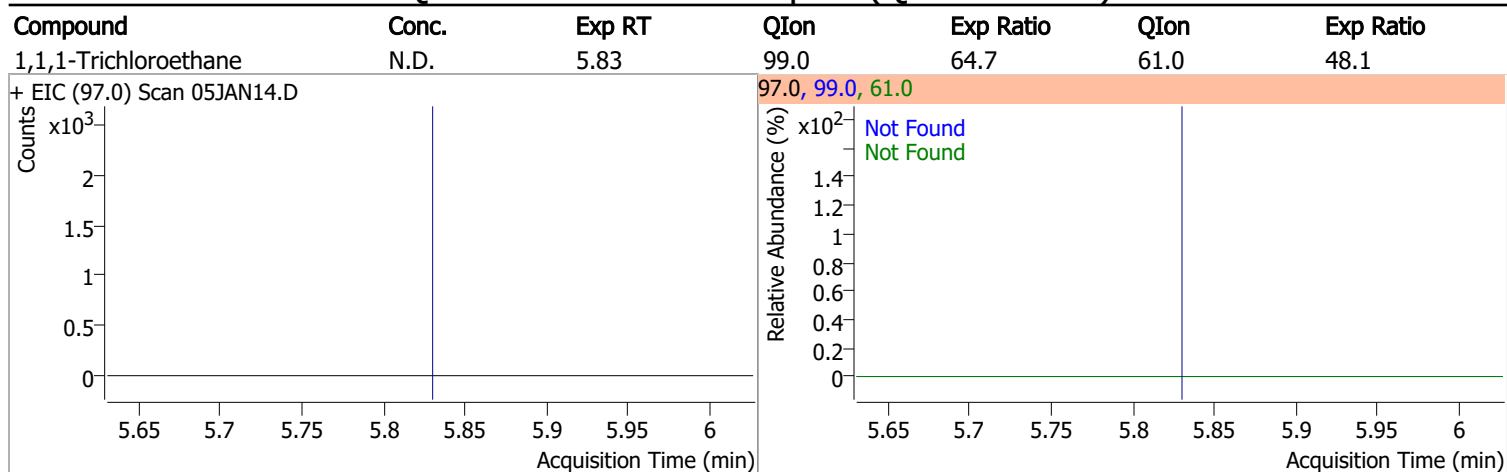
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



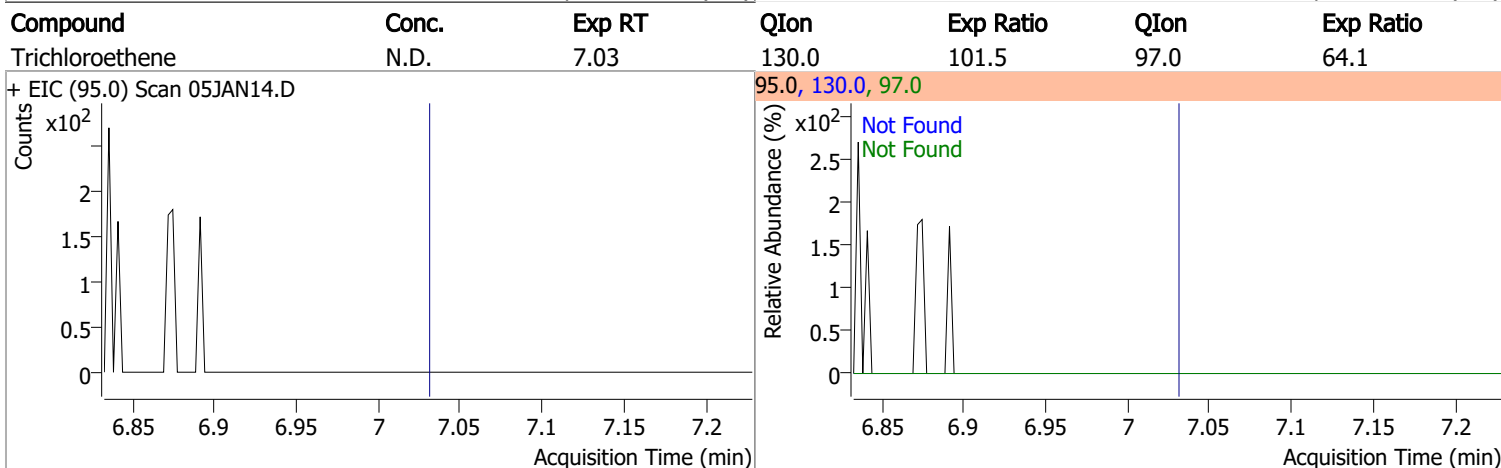
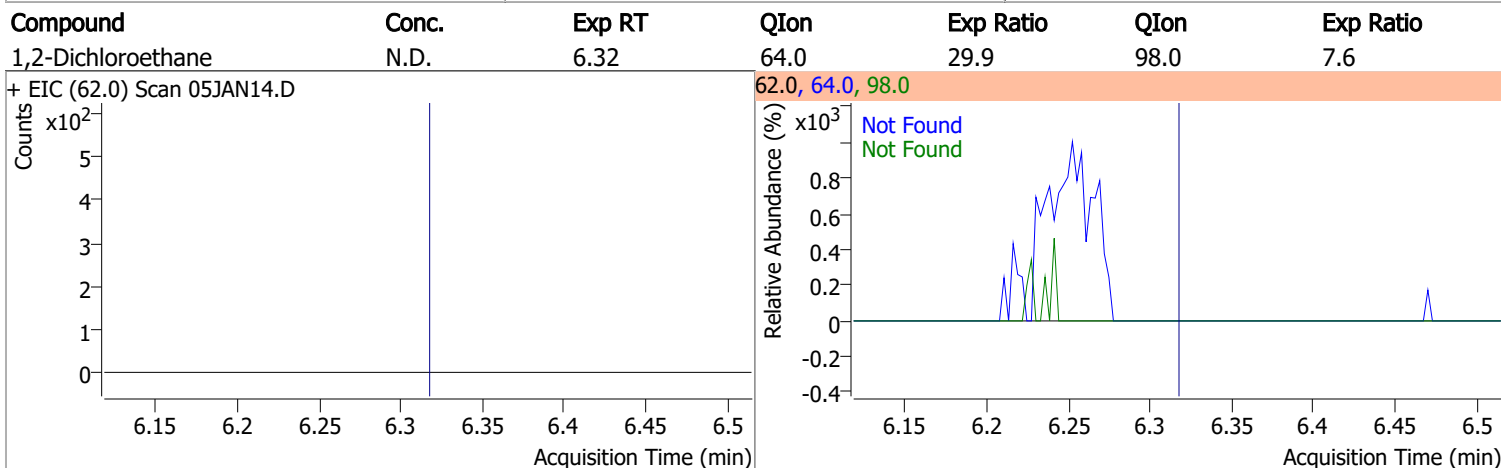
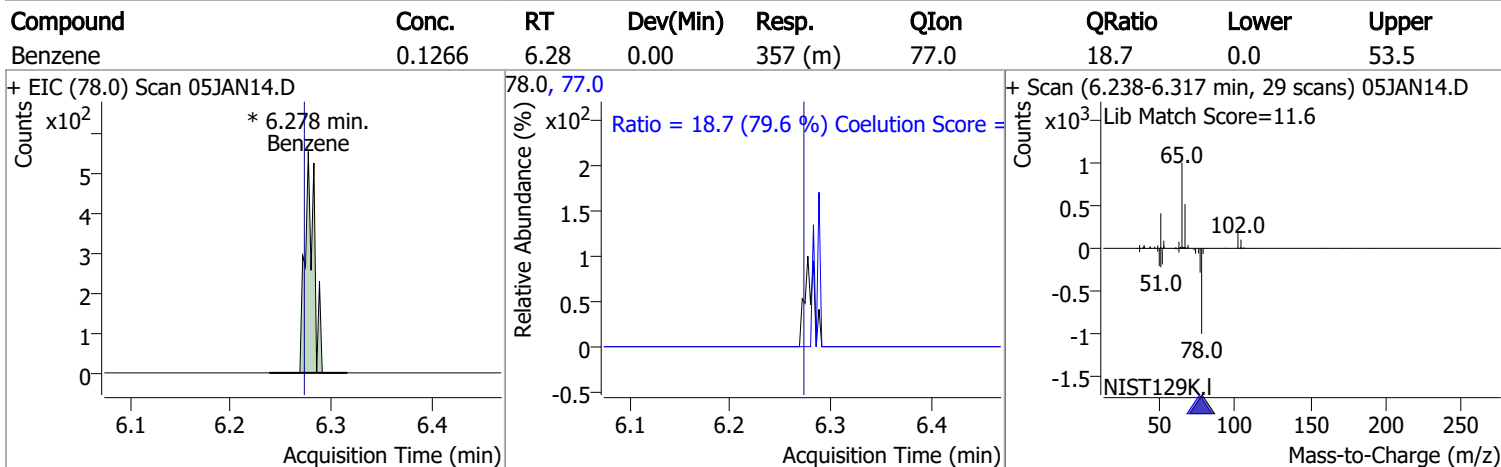
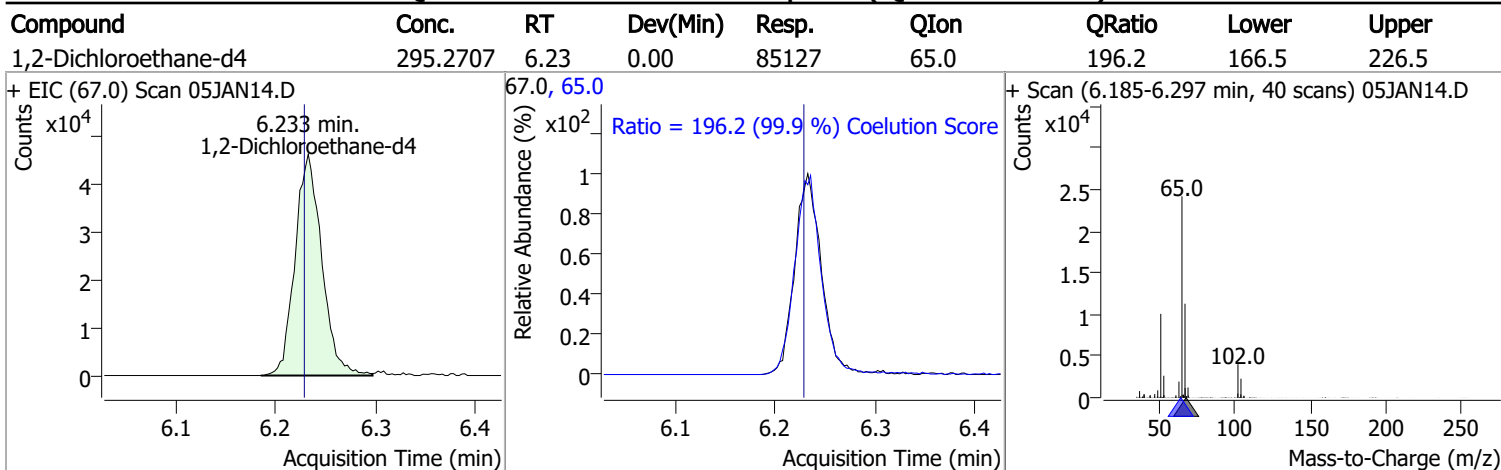
| Compound   | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|----------|------|--------|-------|-------|
| Chloroform | 1.9054 | 5.65 | -0.01    | 2570 (m) | 85.0 | 68.9   | 36.0  | 96.0  |



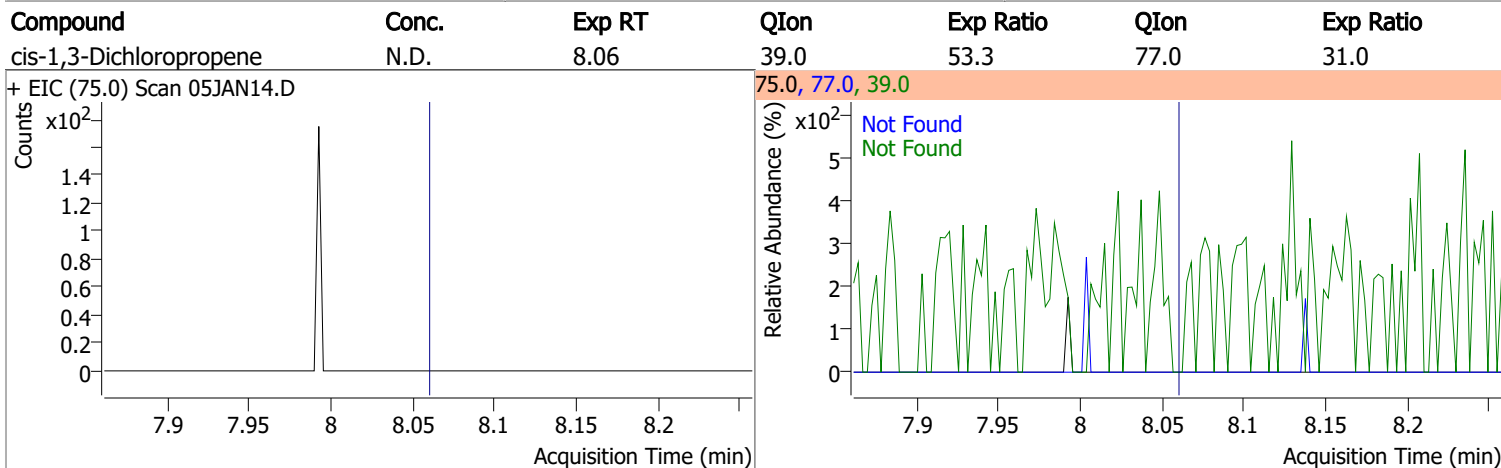
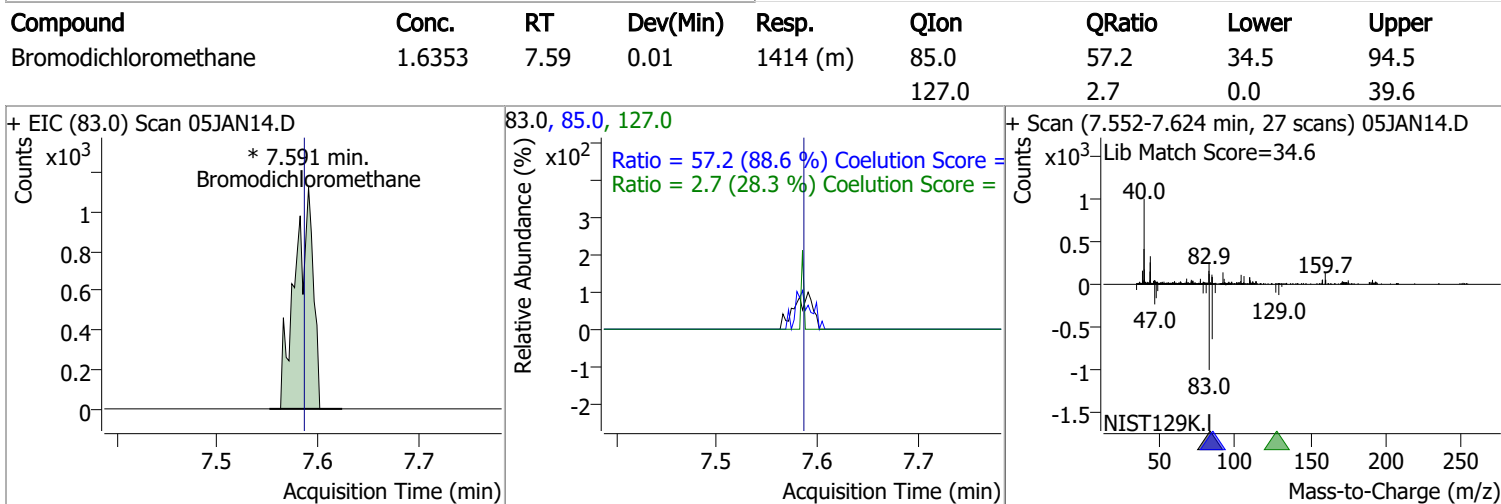
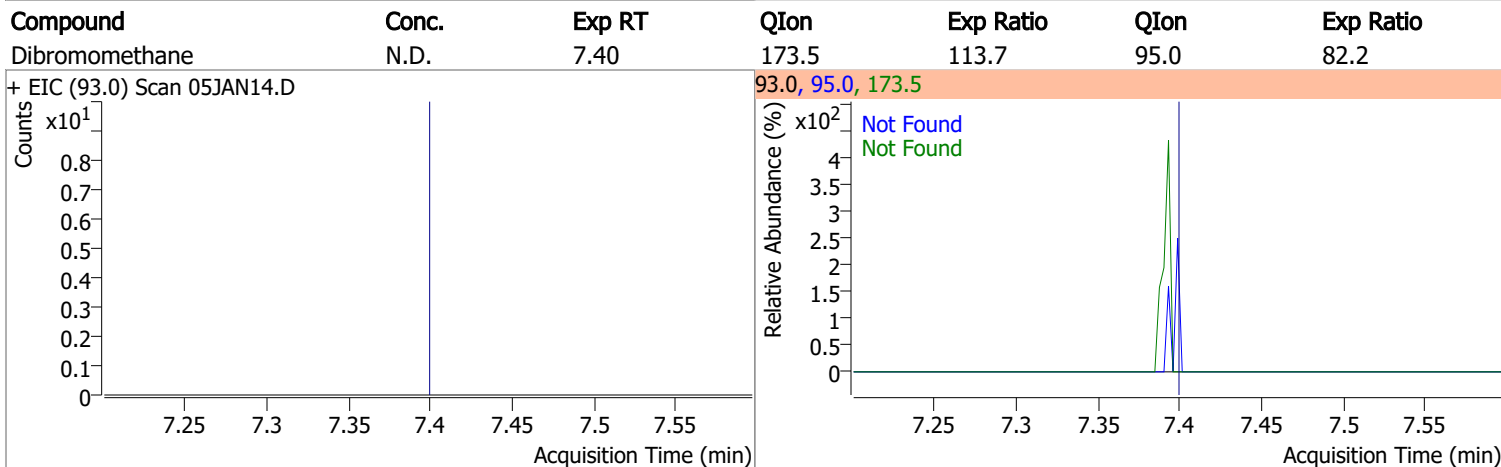
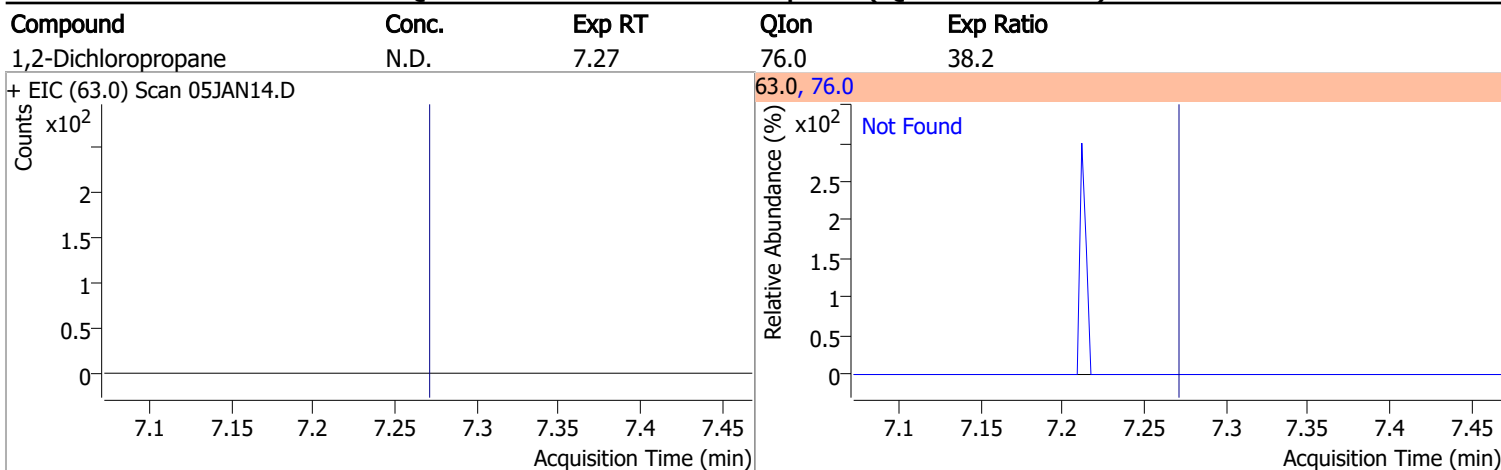
# Quantitation Results Report (QT Reviewed)



# Quantitation Results Report (QT Reviewed)

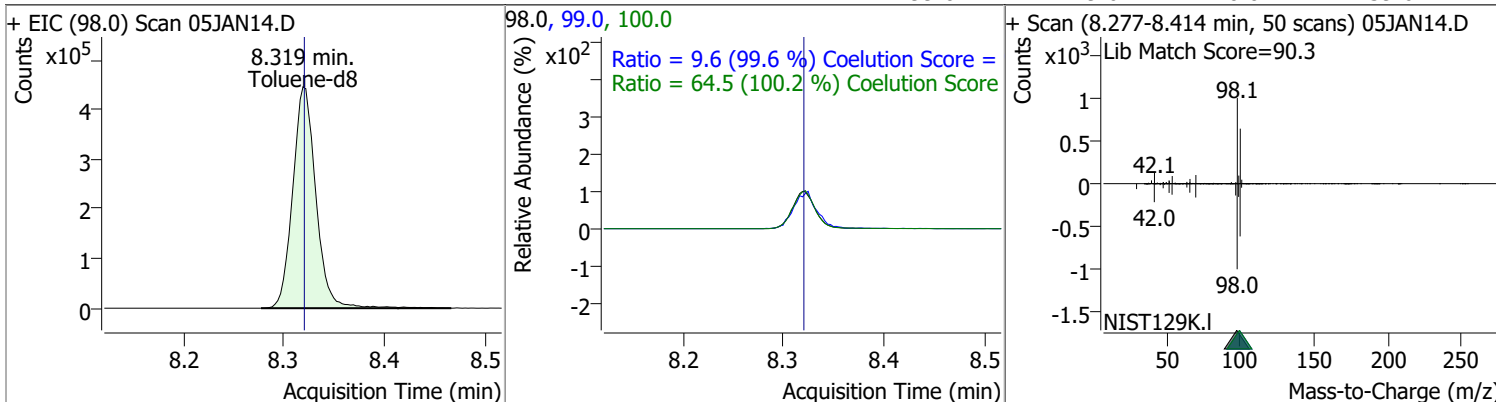


# Quantitation Results Report (QT Reviewed)

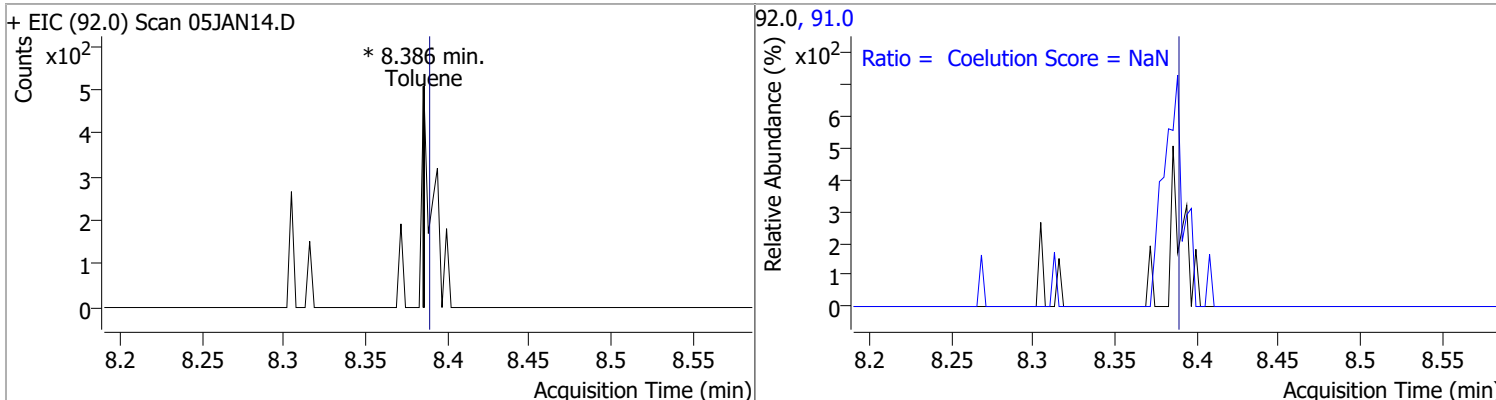


# Quantitation Results Report (QT Reviewed)

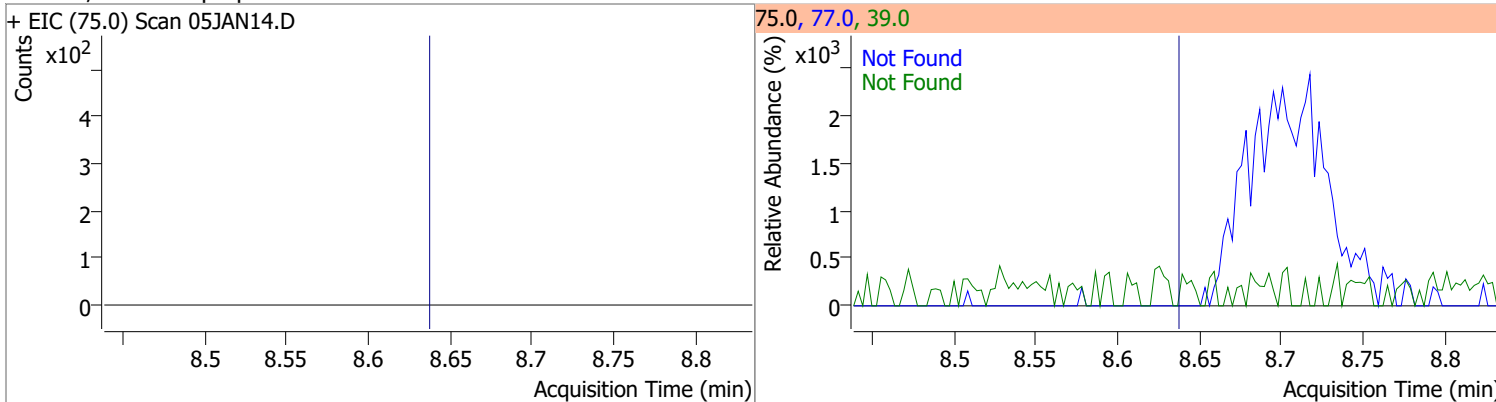
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 264.0896 | 8.32 | 0.00     | 711005 | 100.0 | 64.5   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.6    | 0.0   | 39.6  |



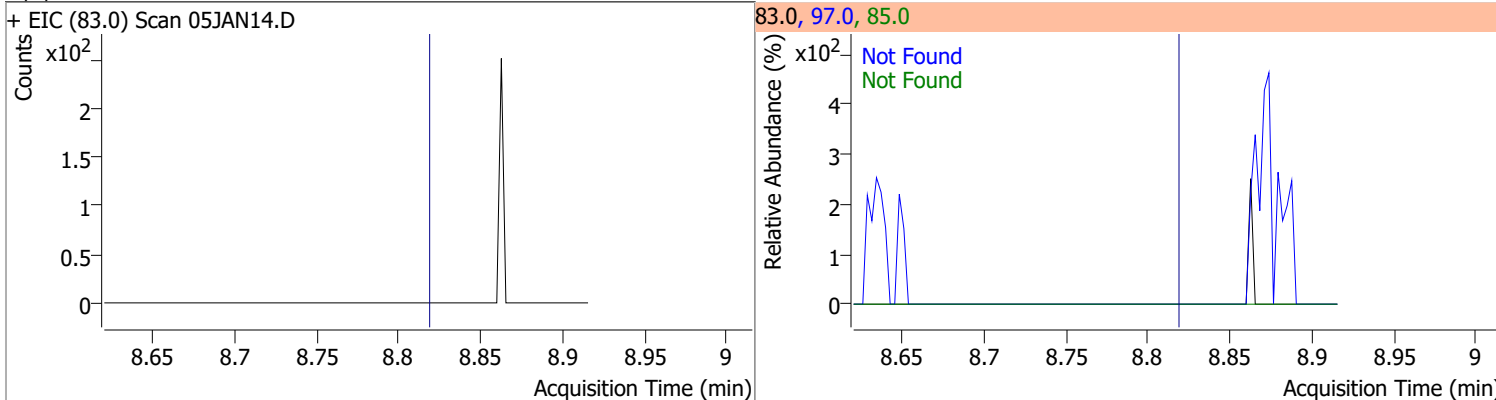
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
| Toluene  | 0     | 0  | 0        | 0     | 91.0 |        | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



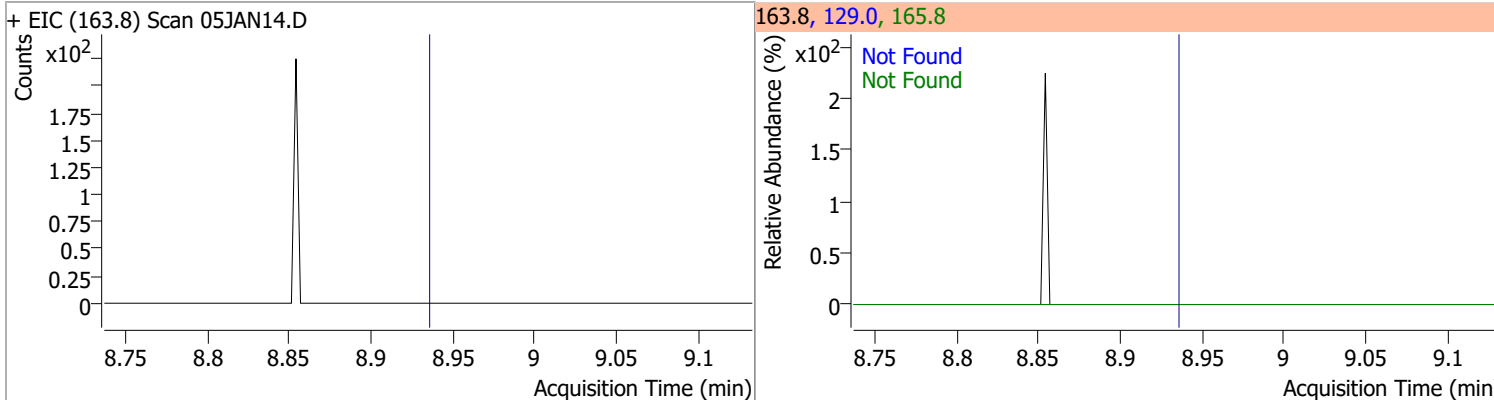
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |



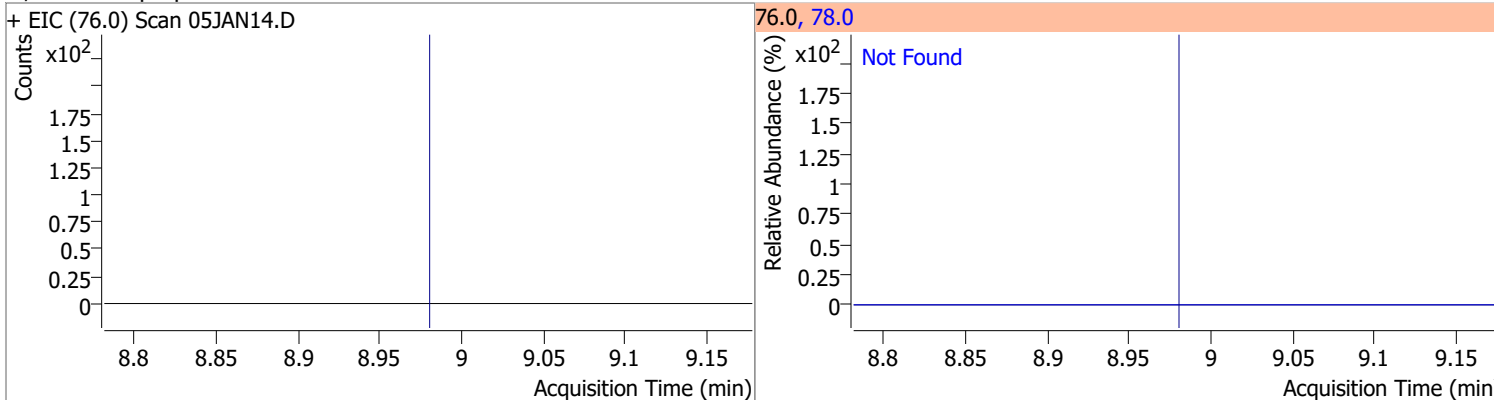


# Quantitation Results Report (QT Reviewed)

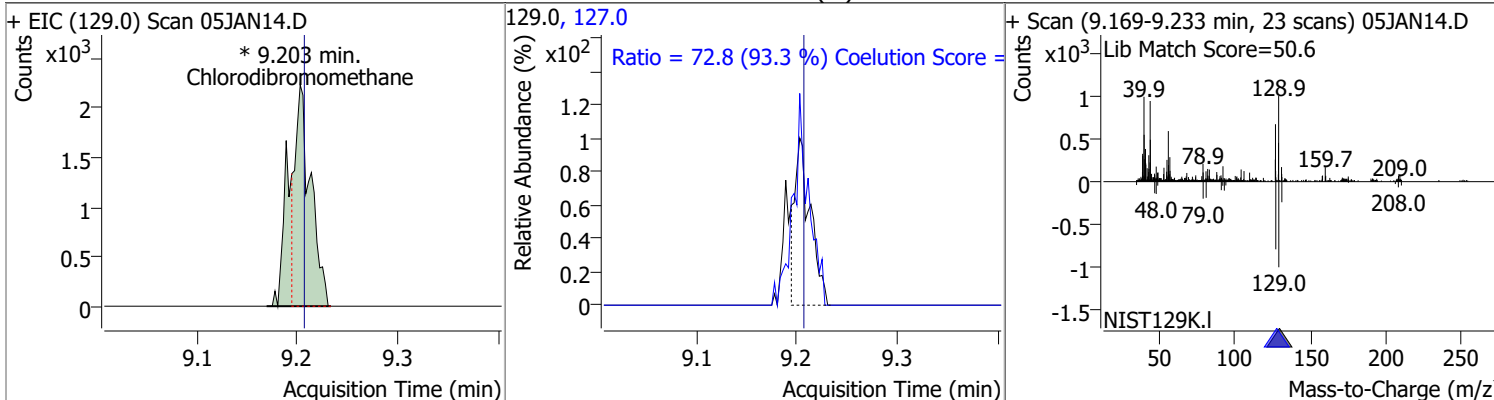
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



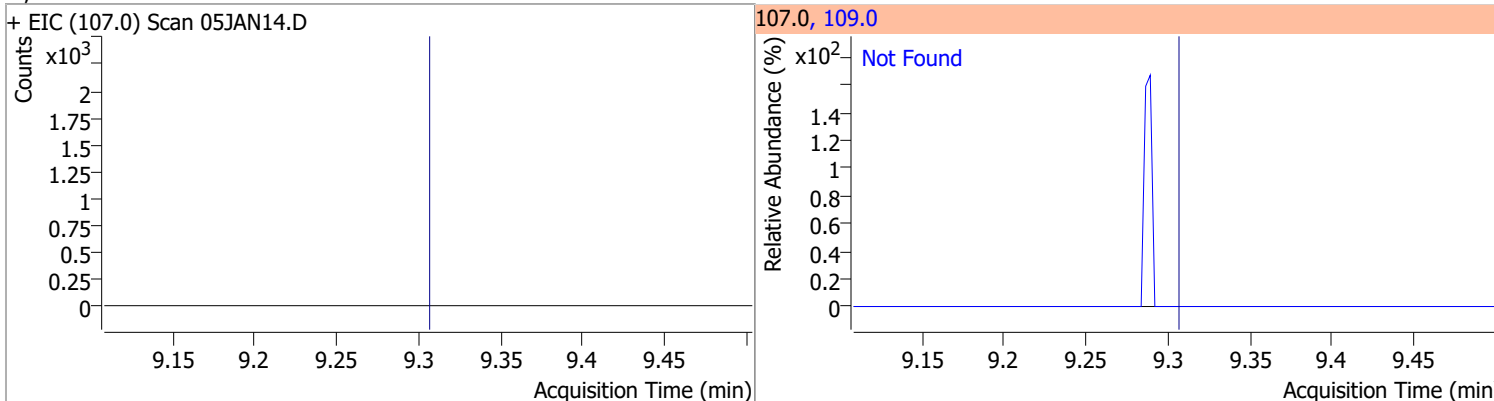
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



| Compound             | Conc.  | RT   | Dev(Min) | Resp.    | QIon  | QRatio | Lower | Upper |
|----------------------|--------|------|----------|----------|-------|--------|-------|-------|
| Chlorodibromomethane | 5.7950 | 9.20 | 0.00     | 3282 (m) | 127.0 | 72.8   | 48.0  | 108.0 |

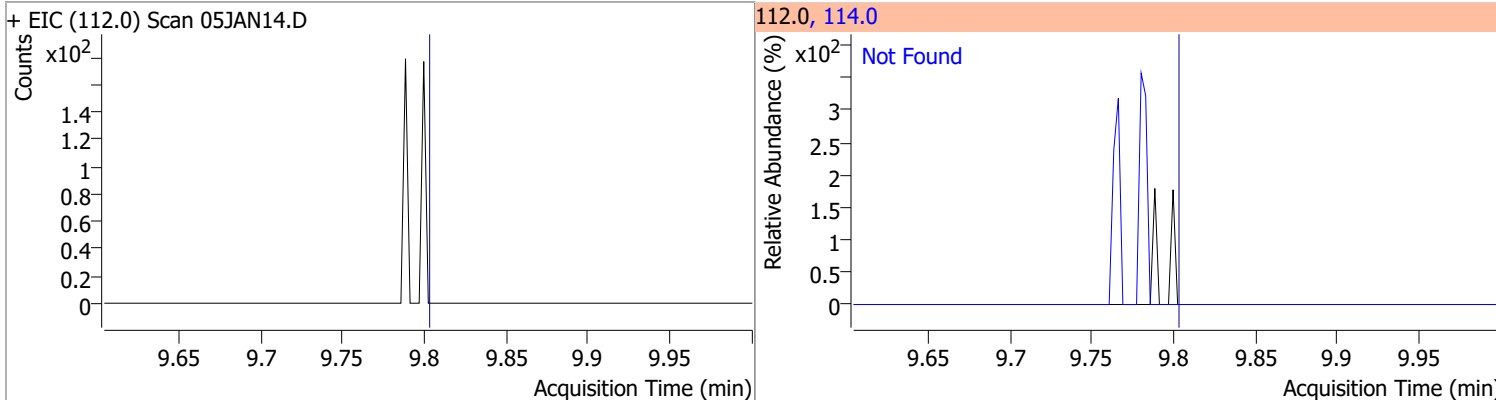


| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |

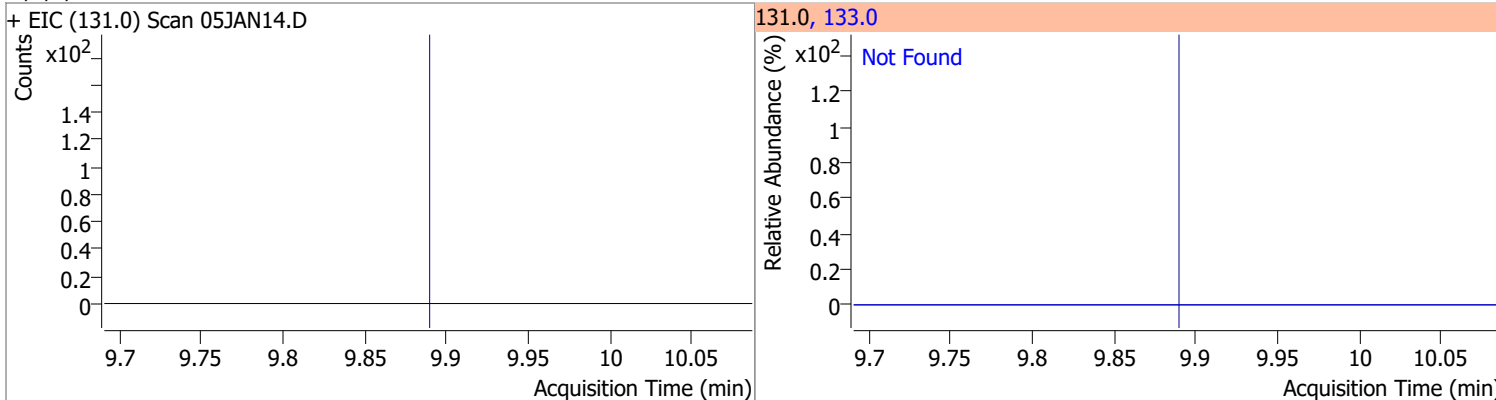


# Quantitation Results Report (QT Reviewed)

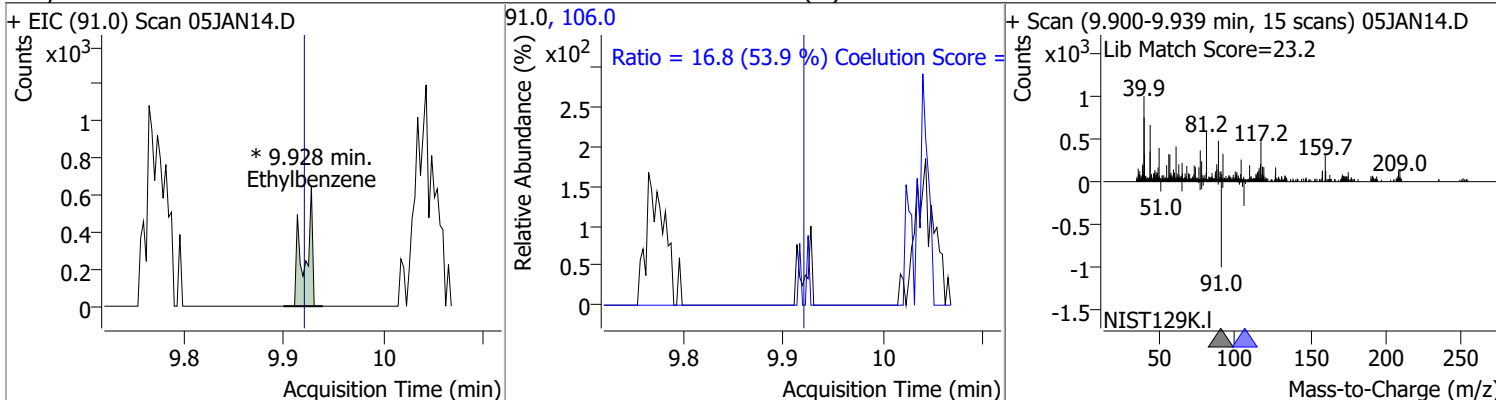
| Compound      | Conc. | Exp RT | QIon  | Exp Ratio |
|---------------|-------|--------|-------|-----------|
| Chlorobenzene | N.D.  | 9.80   | 114.0 | 32.1      |



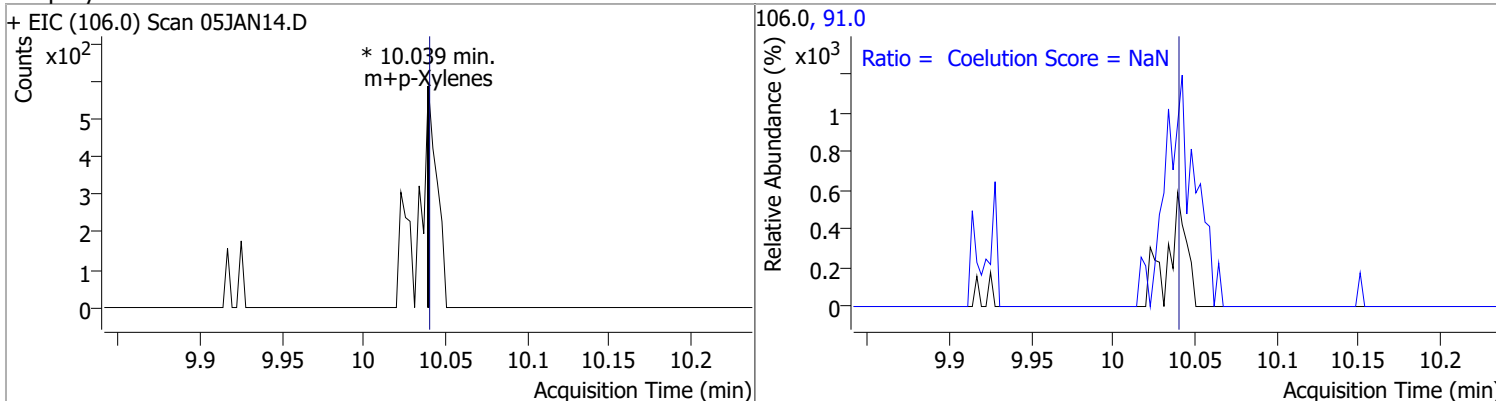
| Compound                  | Conc. | Exp RT | QIon  | Exp Ratio |
|---------------------------|-------|--------|-------|-----------|
| 1,1,1,2-Tetrachloroethane | N.D.  | 9.89   | 133.0 | 98.6      |



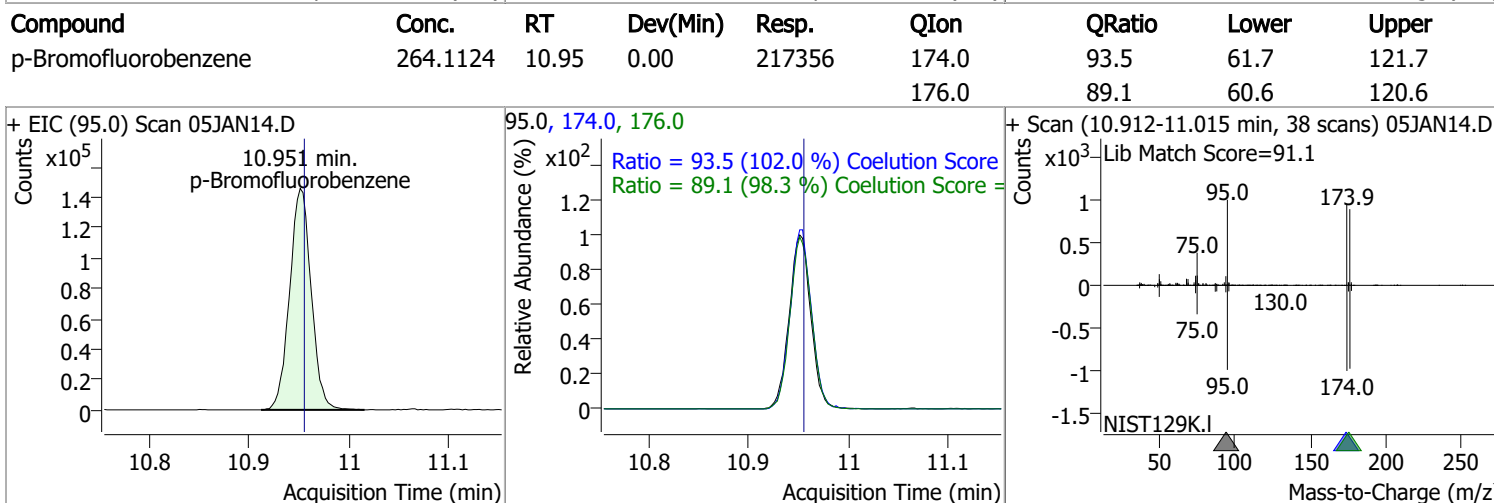
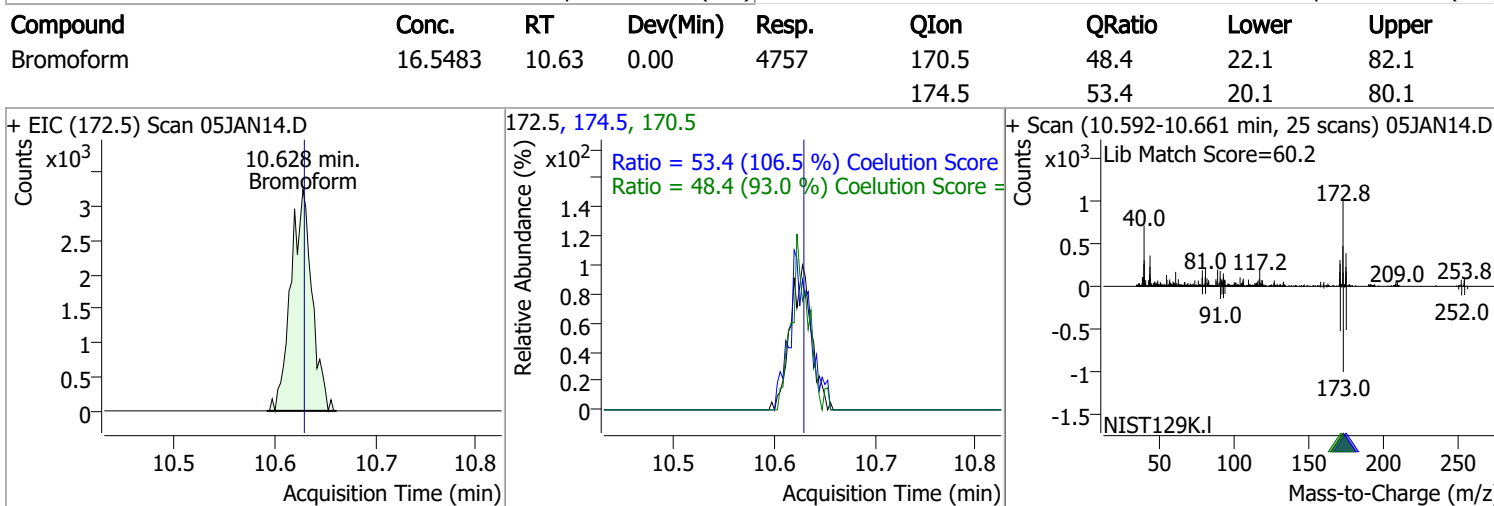
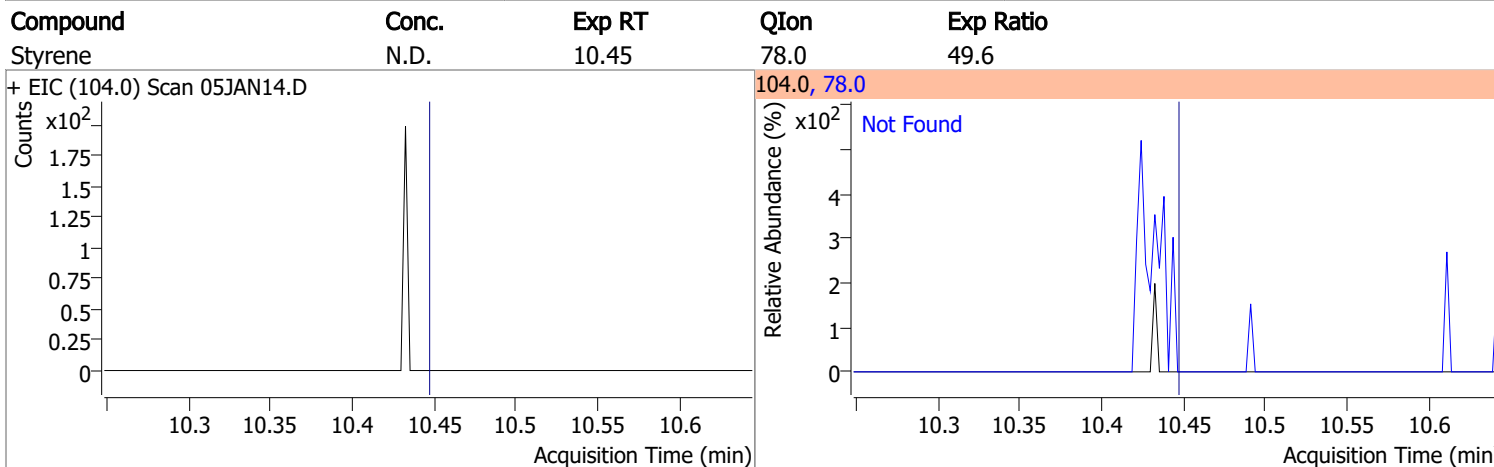
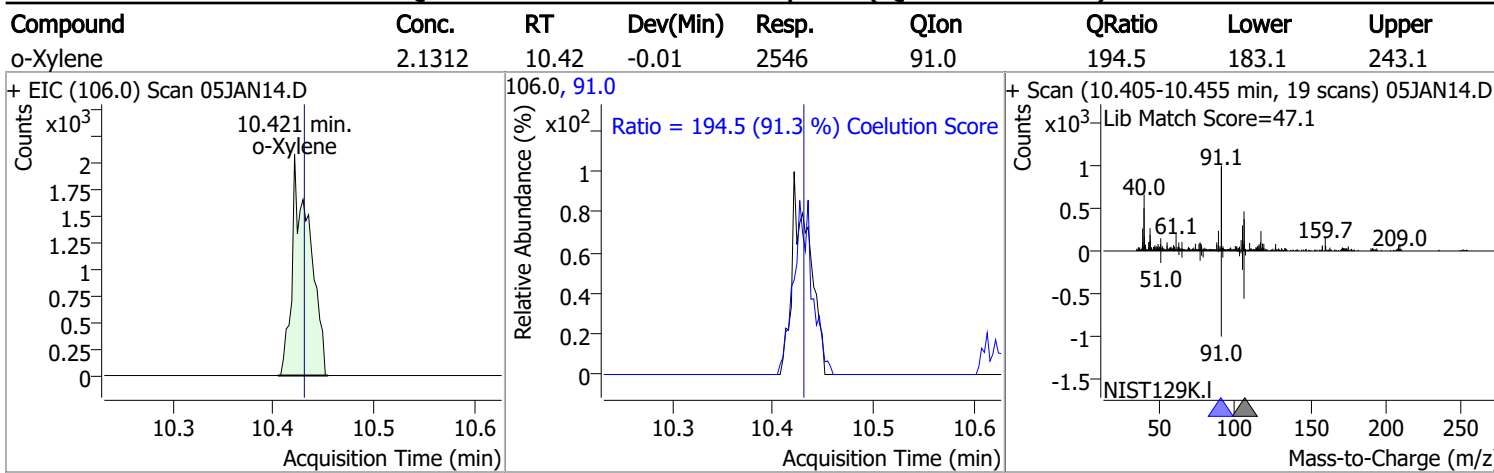
| Compound     | Conc.  | RT   | Dev(Min) | Resp.   | QIon  | QRatio | Lower | Upper |
|--------------|--------|------|----------|---------|-------|--------|-------|-------|
| Ethylbenzene | 0.0965 | 9.93 | 0.01     | 333 (m) | 106.0 | 16.8   | 1.1   | 61.1  |



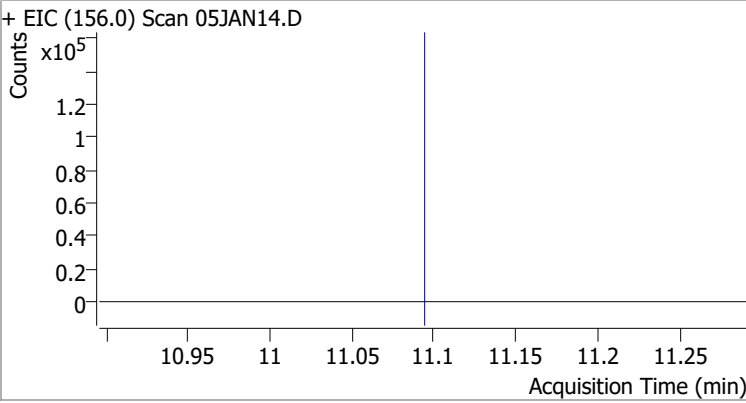
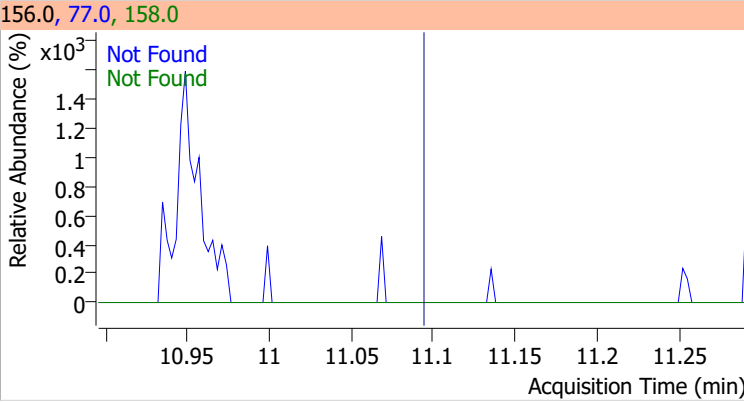
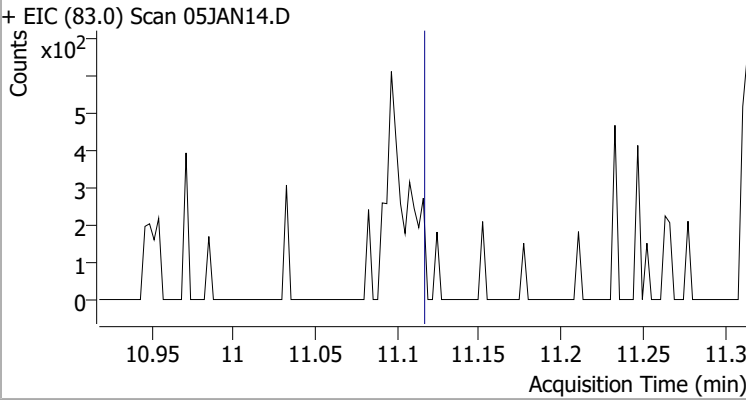
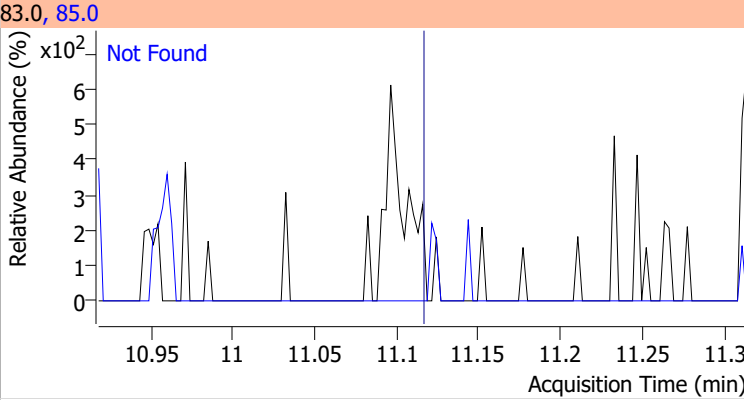
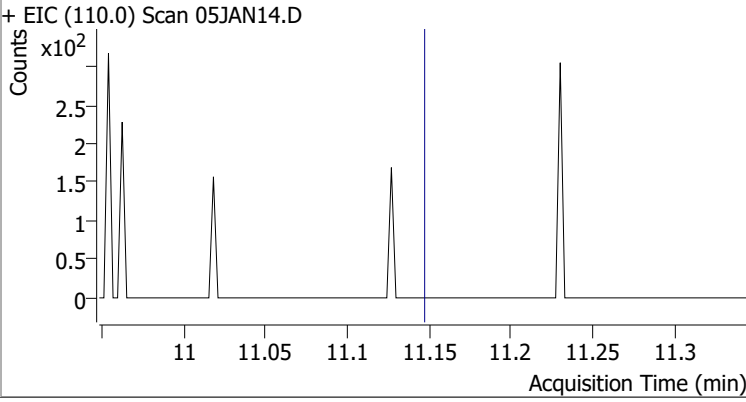
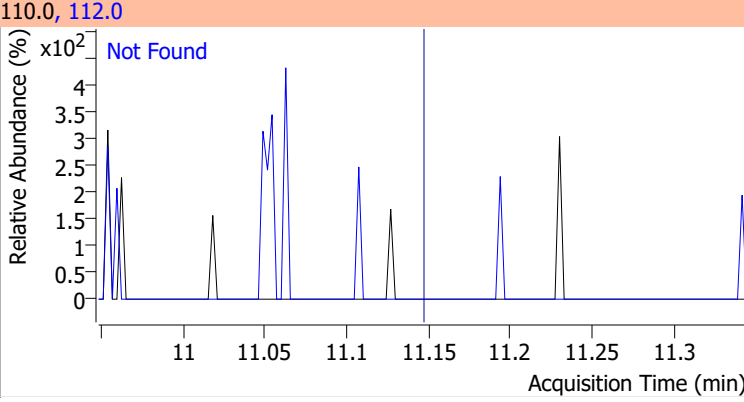
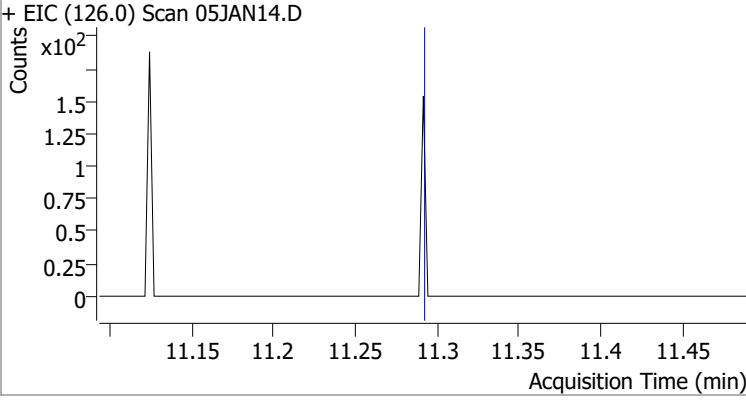
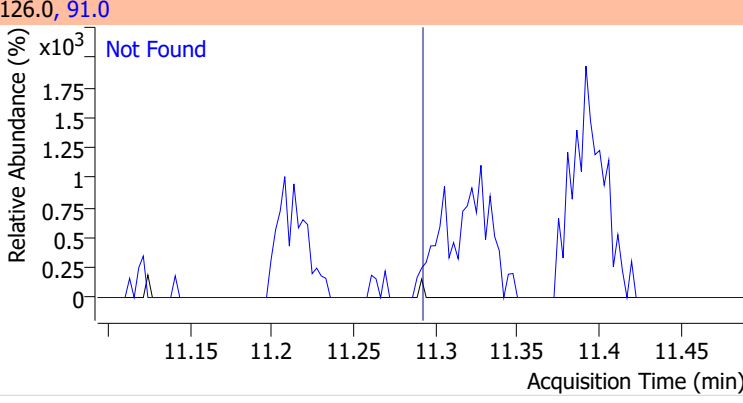
| Compound    | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------|-------|----|----------|-------|------|--------|-------|-------|
| m+p-Xylenes |       | 0  |          | 0     | 91.0 |        | 171.4 | 231.4 |



# Quantitation Results Report (QT Reviewed)

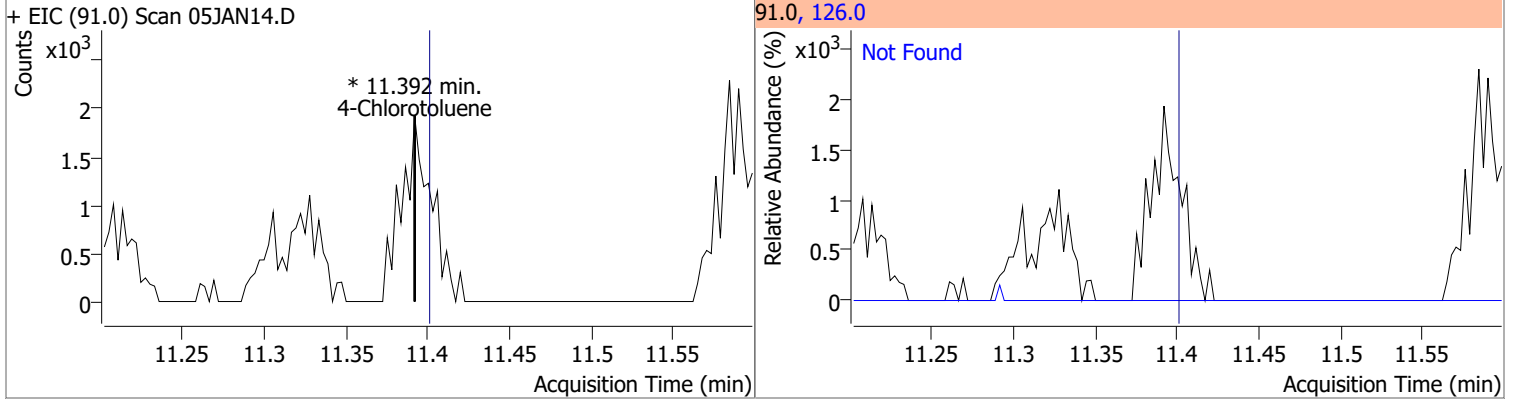


# Quantitation Results Report (QT Reviewed)

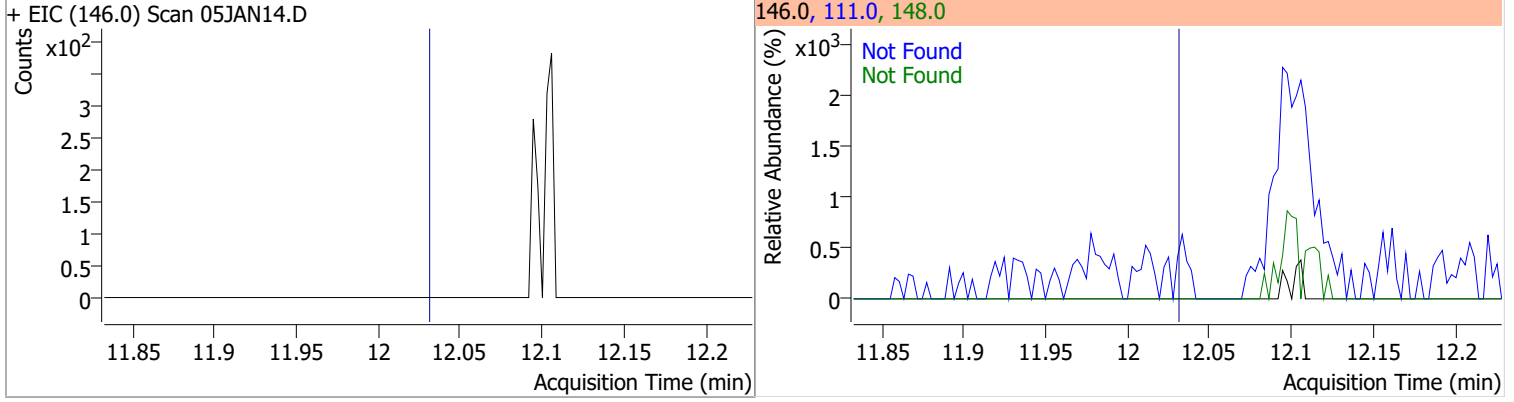
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN14.D   |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN14.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN14.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN14.D   |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

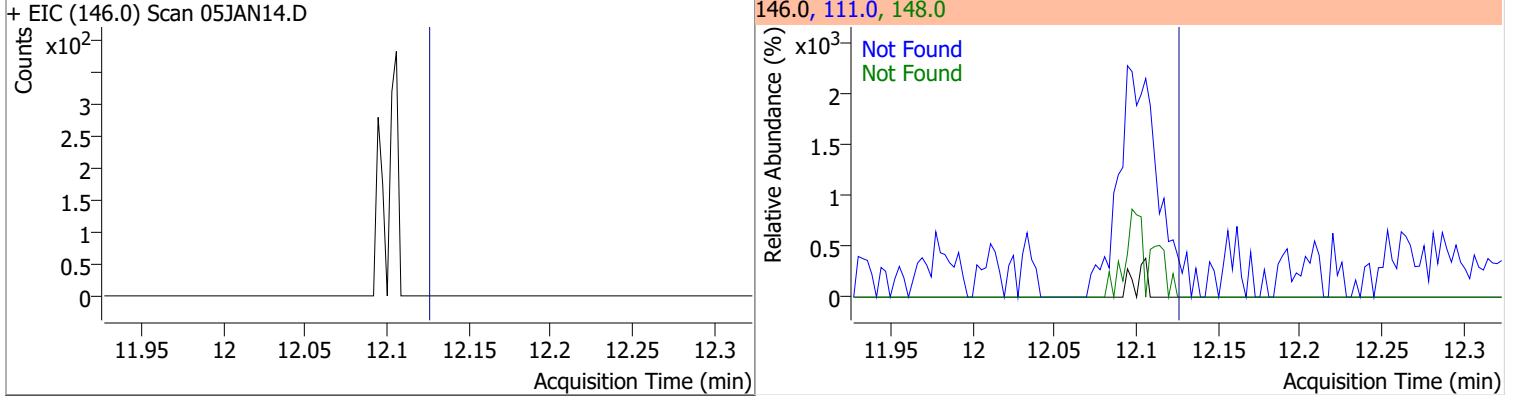
| Compound        | Conc. | RT | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------------|-------|----|----------|-------|-------|--------|-------|-------|
| 4-Chlorotoluene | 0     | 0  |          | 0     | 126.0 |        | 1.7   | 61.7  |



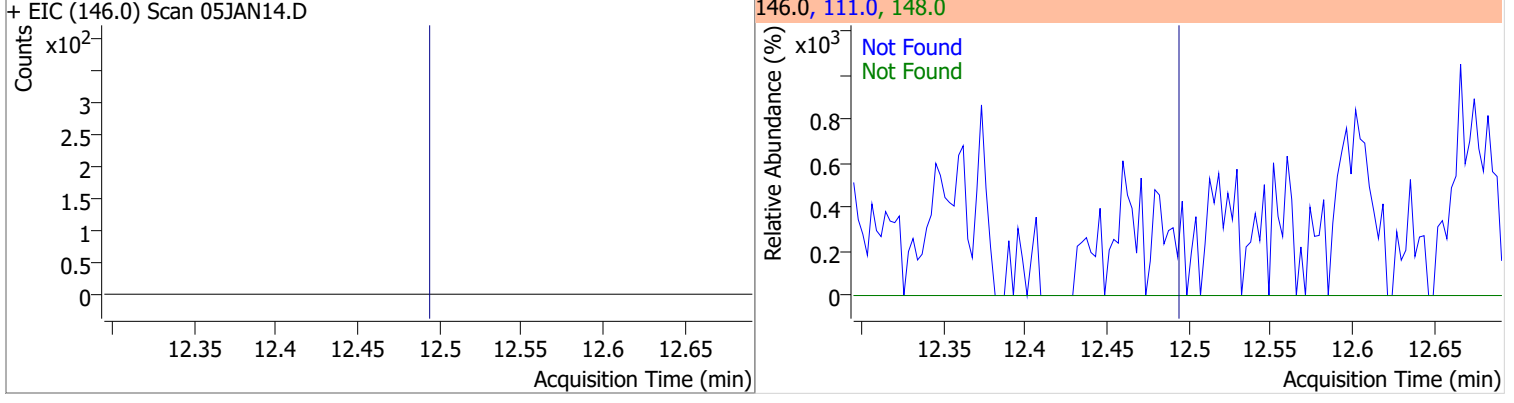
| Compound            | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|---------------------|-------|--------|-------|-----------|-------|-----------|
| 1,3-Dichlorobenzene | N.D.  | 12.03  | 148.0 | 63.6      | 111.0 | 39.8      |



| Compound            | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|---------------------|-------|--------|-------|-----------|-------|-----------|
| 1,4-Dichlorobenzene | N.D.  | 12.13  | 148.0 | 63.1      | 111.0 | 39.1      |

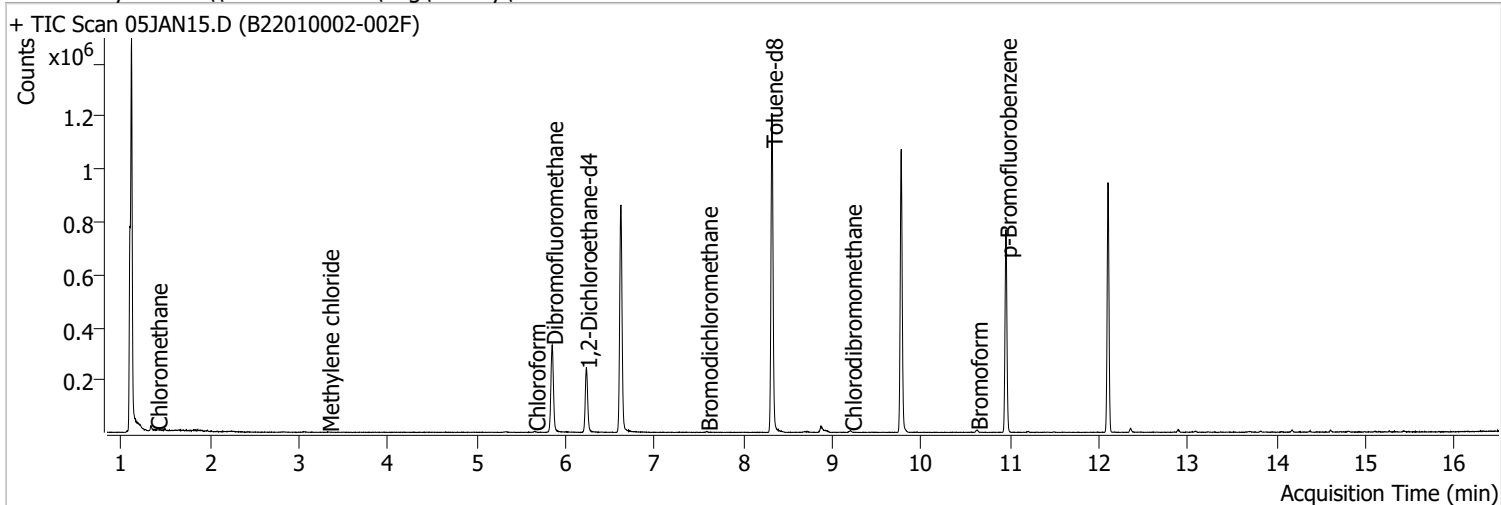


| Compound            | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|---------------------|-------|--------|-------|-----------|-------|-----------|
| 1,2-Dichlorobenzene | N.D.  | 12.49  | 148.0 | 63.9      | 111.0 | 41.0      |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN15.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 4:27:50 PM   |
| Sample Name    | B22010002-002F                      | Instrument        | VOA5975C              |
| Vial           | 15                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.l |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 748274 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 290927 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 224022 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 195751 | 277.6807           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 111.07% |       |          |
| S 1,2-Dichloroethane-d4            | 6.230                | 67.0  | 88055  | 289.1908           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 115.68% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 745560 | 265.9370           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 106.37% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 222254 | 270.8078           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 108.32% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.397                | 50.0  | 529    | 0.4441             | ng    | m 80     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.327                | 49.0  | 658    | 0.5926             | ng    | m 74     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 5.647                | 83.0  | 2719   | 1.9088             | ng    | 93       |

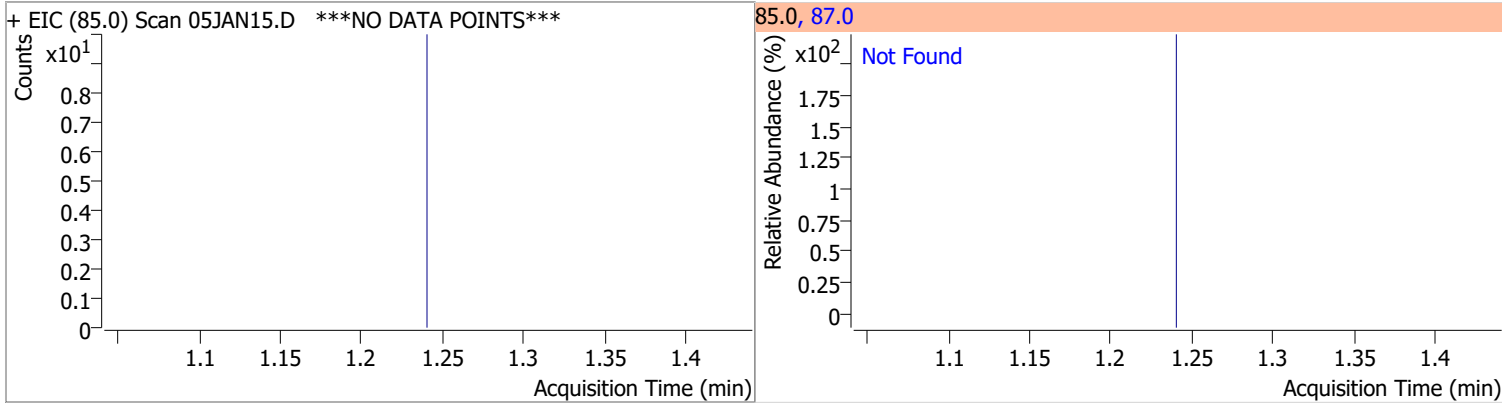
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.   | Units | Dev(Min) |
|-----------------------------|--------|-------|-------|---------|-------|----------|
| T 1,1,1-Trichloroethane     | 0.000  |       | 0     | N.D.    |       |          |
| T Carbon tetrachloride      | 0.000  |       | 0     | N.D.    |       |          |
| T 1,1-Dichloropropene       | 0.000  |       | 0     | N.D.    |       |          |
| T Benzene                   | 0.000  |       | 0     | N.D.    |       |          |
| T 1,2-Dichloroethane        | 0.000  |       | 0     | N.D.    |       |          |
| T Trichloroethene           | 0.000  |       | 0     | N.D.    |       |          |
| T 1,2-Dichloropropane       | 0.000  |       | 0     | N.D.    |       |          |
| T Dibromomethane            | 0.000  |       | 0     | N.D.    |       |          |
| T Bromodichloromethane      | 7.588  | 83.0  | 1705  | 1.8943  | ng m  | 90       |
| T cis-1,3-Dichloropropene   | 0.000  |       | 0     | N.D.    |       |          |
| T Toluene                   | 0.000  |       | 0     | N.D.    |       |          |
| T trans-1,3-Dichloropropene | 0.000  |       | 0     | N.D.    |       |          |
| T 1,1,2-Trichloroethane     | 0.000  |       | 0     | N.D.    |       |          |
| T Tetrachloroethene         | 0.000  |       | 0     | N.D.    |       |          |
| T 1,3-Dichloropropane       | 0.000  |       | 0     | N.D.    |       |          |
| T Chlorodibromomethane      | 9.205  | 129.0 | 3071  | 5.2076  | ng    | 100      |
| T 1,2-Dibromoethane         | 0.000  |       | 0     | N.D.    |       |          |
| T Chlorobenzene             | 0.000  |       | 0     | N.D.    |       |          |
| T 1,1,1,2-Tetrachloroethane | 0.000  |       | 0     | N.D.    |       |          |
| T Ethylbenzene              | 0.000  |       | 0     | N.D.    |       |          |
| T m+p-Xylenes               | 0.000  |       | 0     | N.D.    |       |          |
| T o-Xylene                  | 0.000  |       | 0     | N.D.    |       |          |
| T Styrene                   | 0.000  |       | 0     | N.D.    |       |          |
| T Bromoform                 | 10.625 | 172.5 | 4407  | 15.3730 | ng    | 93       |
| T Bromobenzene              | 0.000  |       | 0     | N.D.    |       |          |
| T 1,1,2,2-Tetrachloroethane | 0.000  |       | 0     | N.D.    |       |          |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.    |       |          |
| T 2-Chlorotoluene           | 0.000  |       | 0     | N.D.    |       |          |
| T 4-Chlorotoluene           | 0.000  |       | 0     | N.D.    |       |          |
| T 1,3-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |          |
| T 1,4-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |          |
| T 1,2-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |          |

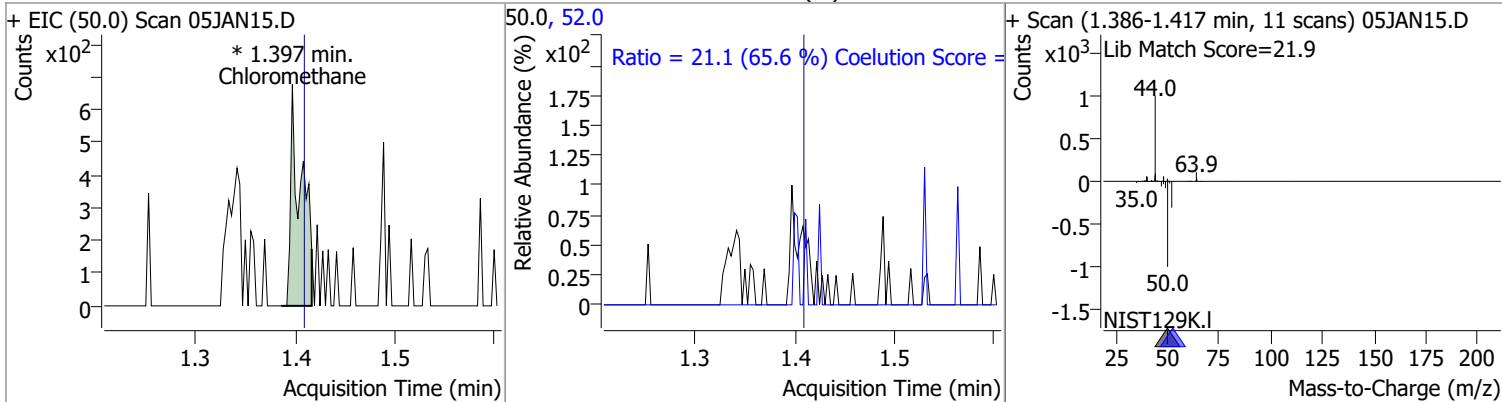
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

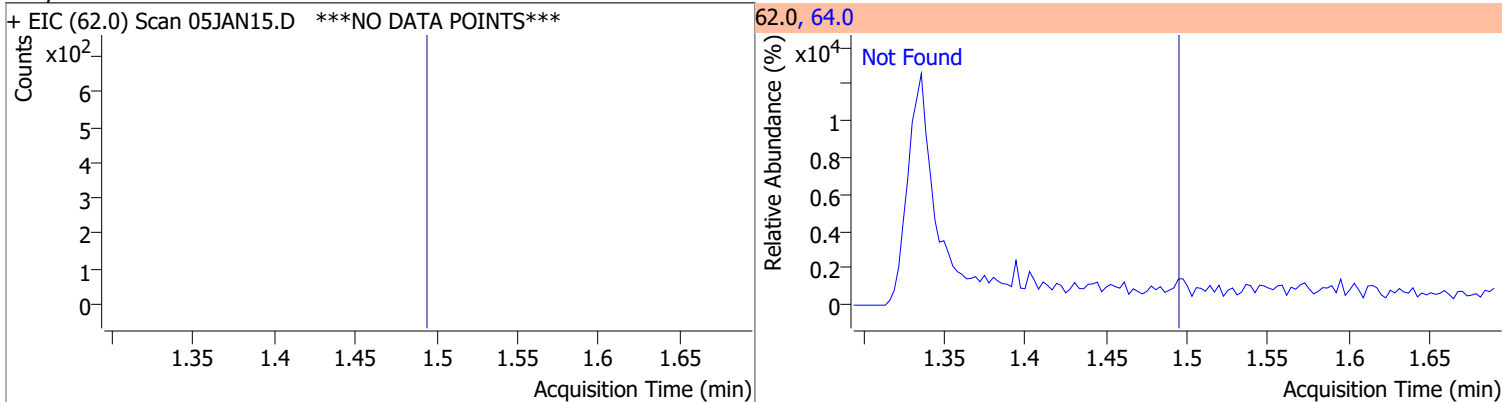
| Compound                | Conc. | Exp RT | QIon | Exp Ratio |
|-------------------------|-------|--------|------|-----------|
| Dichlorodifluoromethane | N.D.  | 1.24   | 87.0 | 32.3      |



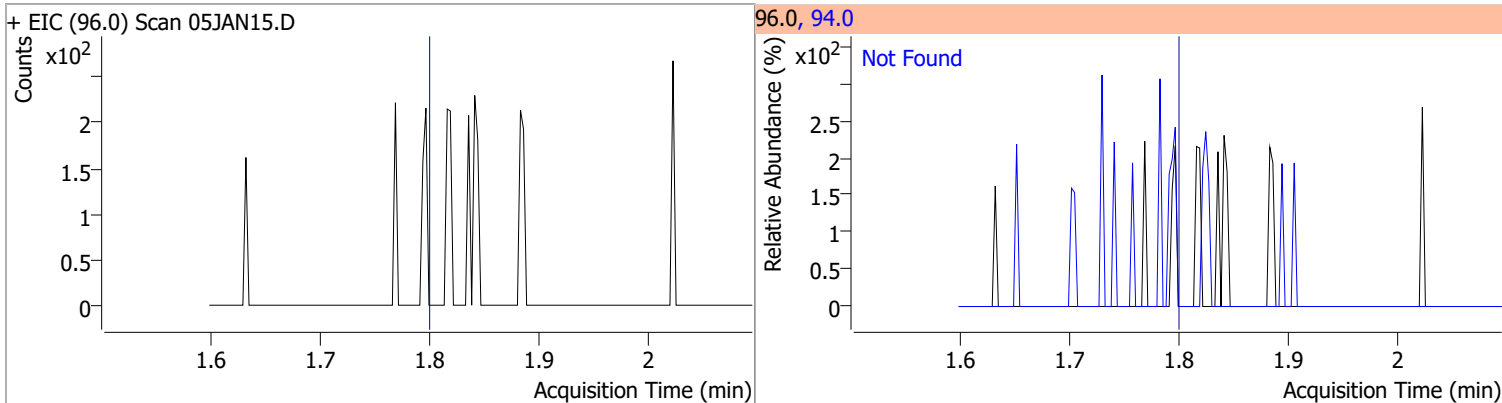
| Compound      | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|---------|------|--------|-------|-------|
| Chloromethane | 0.4441 | 1.40 | -0.01    | 529 (m) | 52.0 | 21.1   | 2.1   | 62.1  |



| Compound       | Conc. | Exp RT | QIon | Exp Ratio |
|----------------|-------|--------|------|-----------|
| Vinyl chloride | N.D.  | 1.50   | 64.0 | 29.9      |



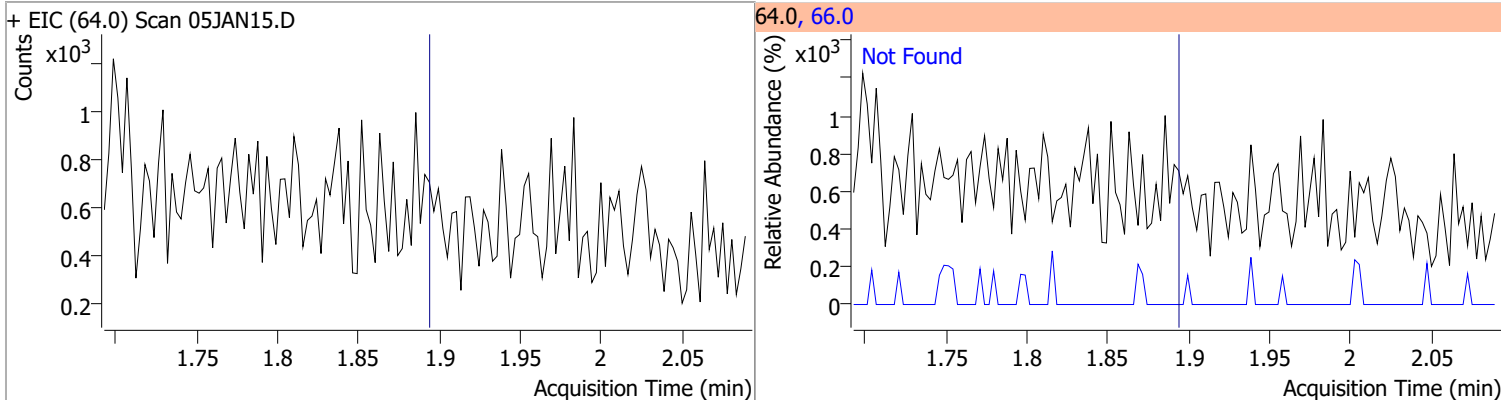
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Bromomethane | N.D.  | 1.80   | 94.0 | 104.6     |



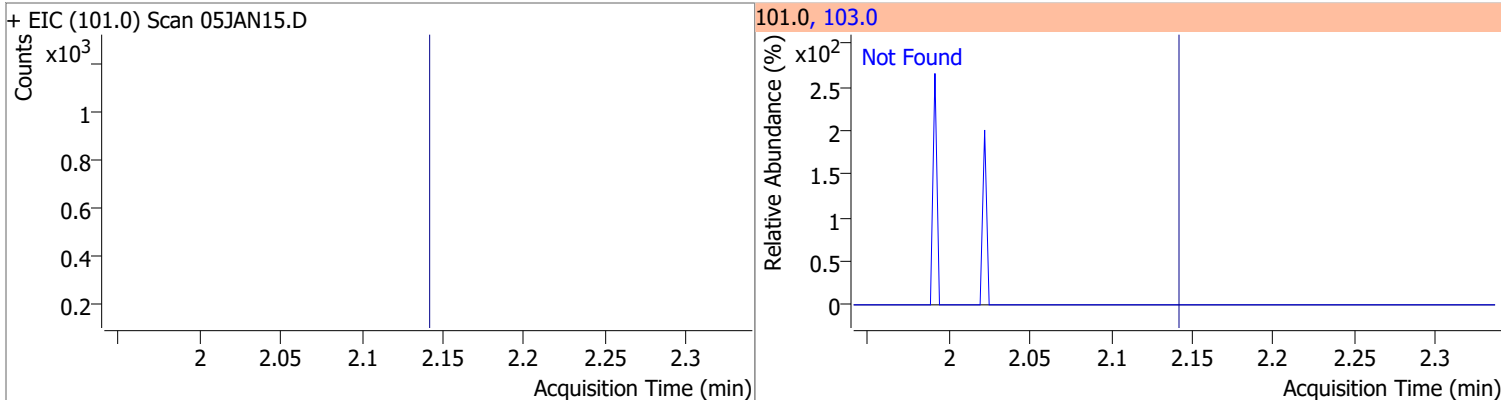


# Quantitation Results Report (QT Reviewed)

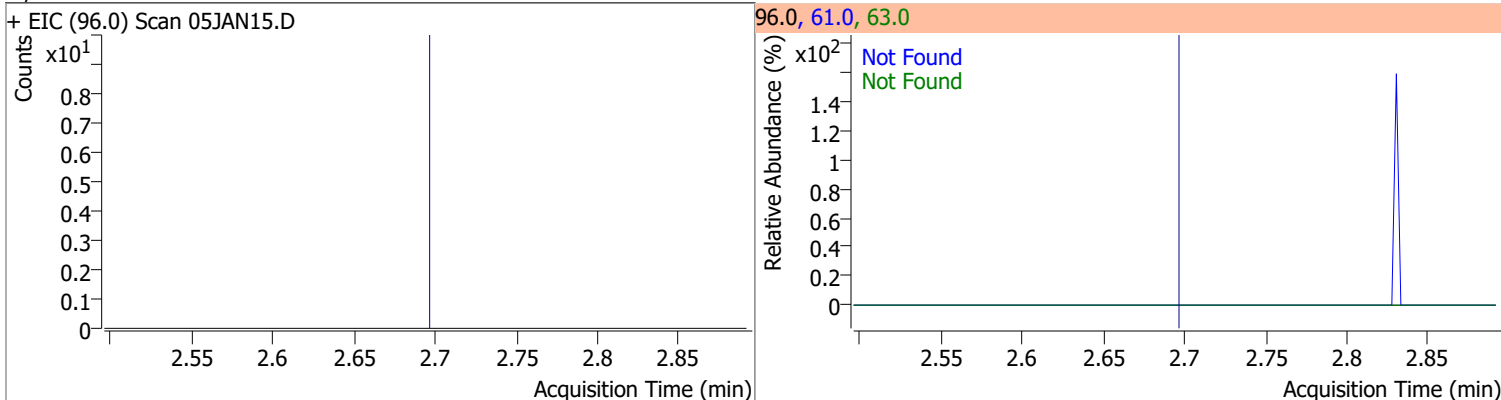
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



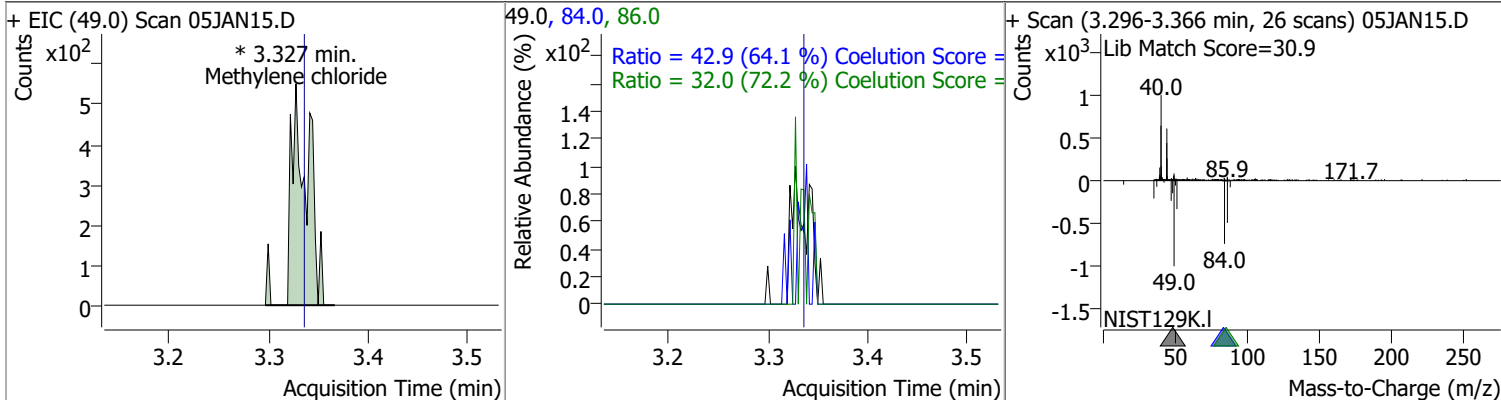
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

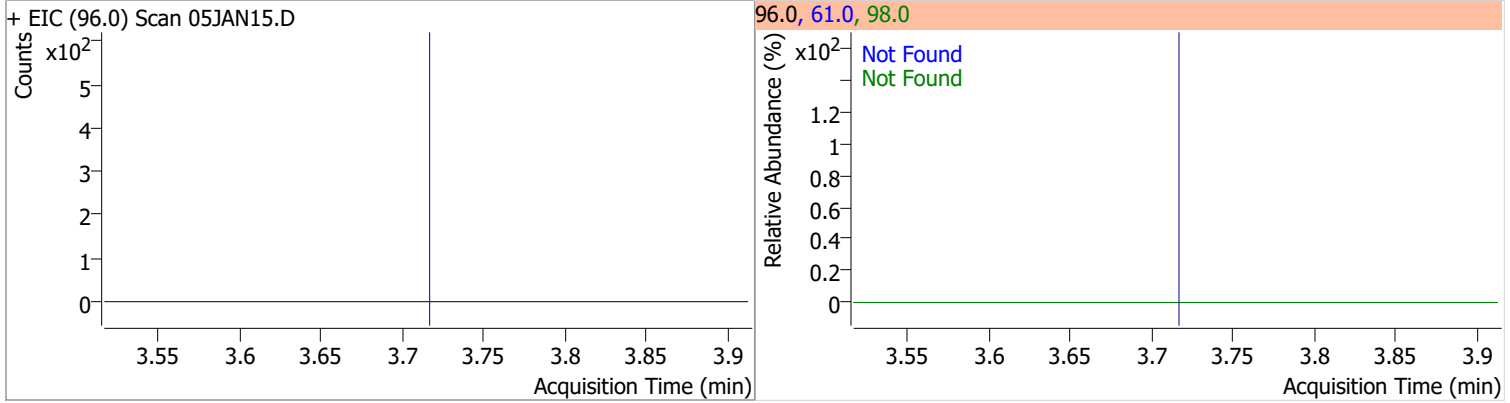


| Compound           | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|---------|------|--------|-------|-------|
| Methylene chloride | 0.5926 | 3.33 | -0.01    | 658 (m) | 84.0 | 42.9   | 36.9  | 96.9  |
|                    |        |      |          |         | 86.0 | 32.0   | 14.3  | 74.3  |

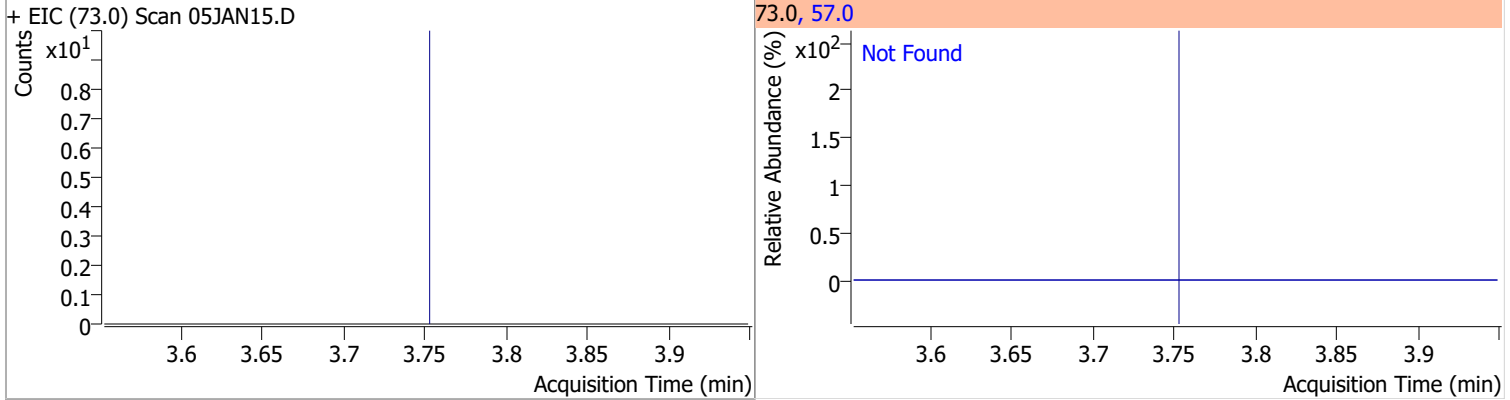


# Quantitation Results Report (QT Reviewed)

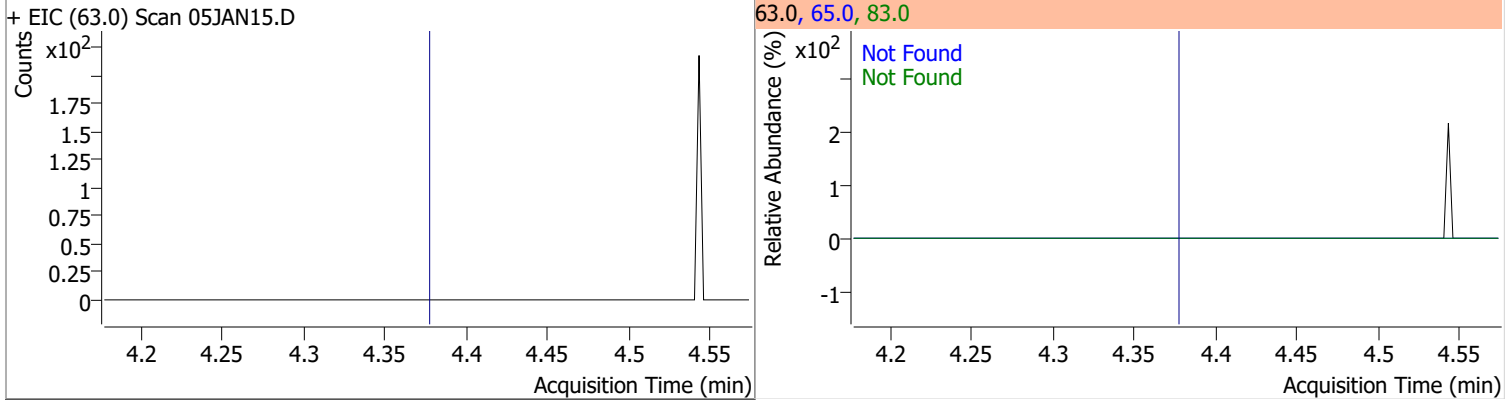
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



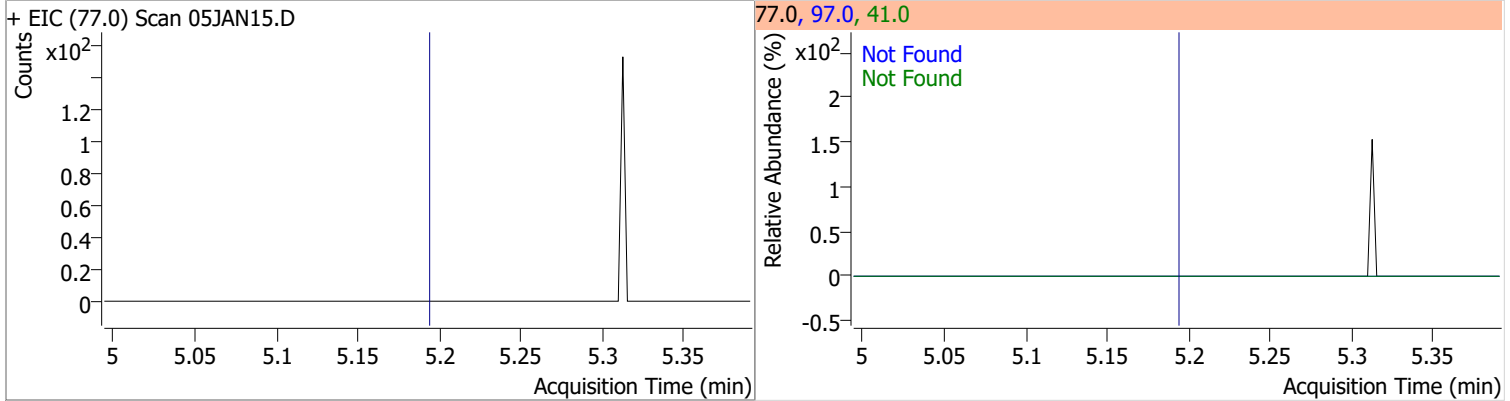
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

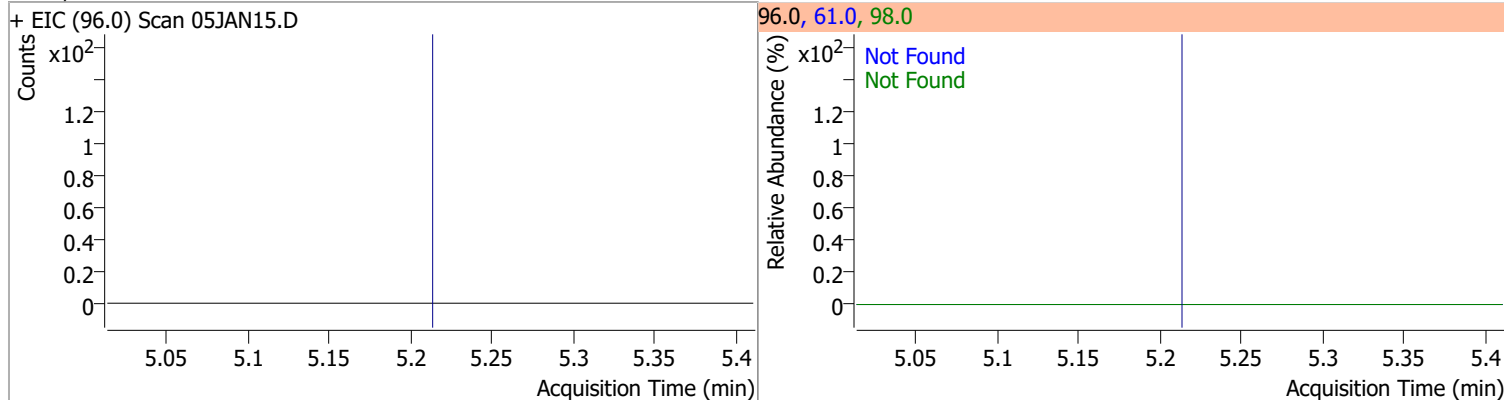


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

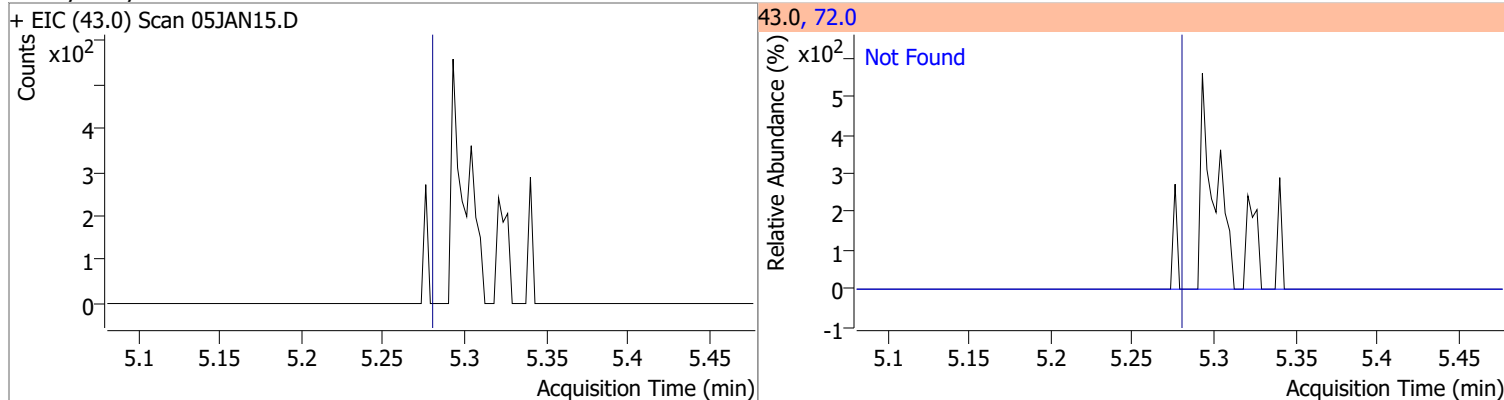


# Quantitation Results Report (QT Reviewed)

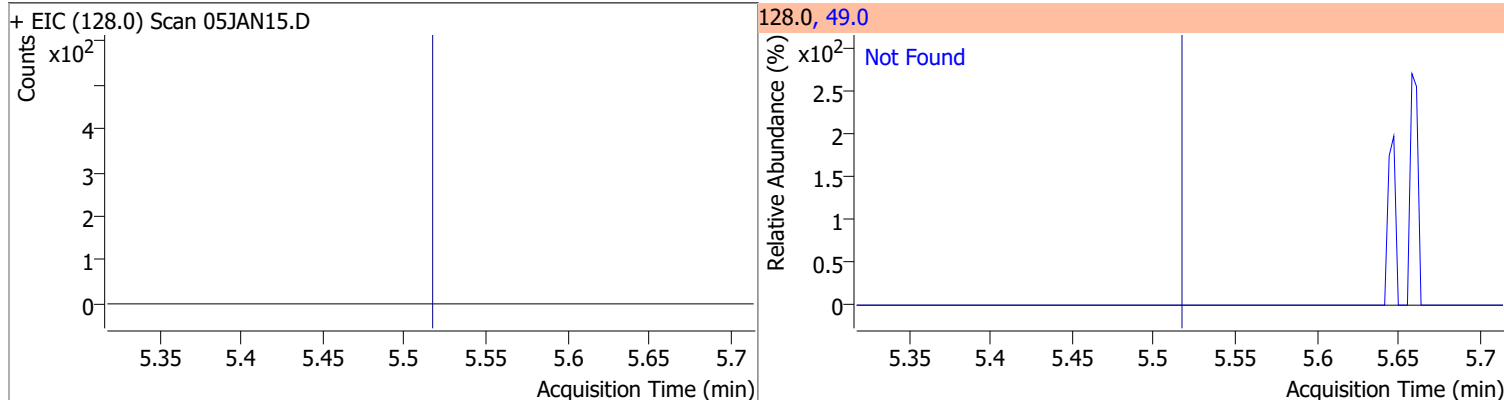
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



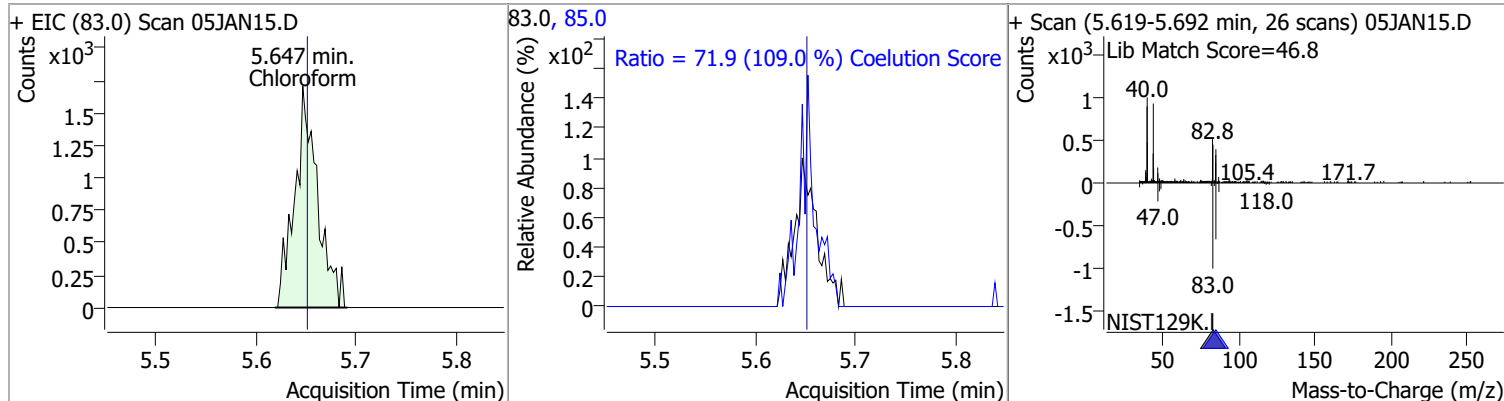
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



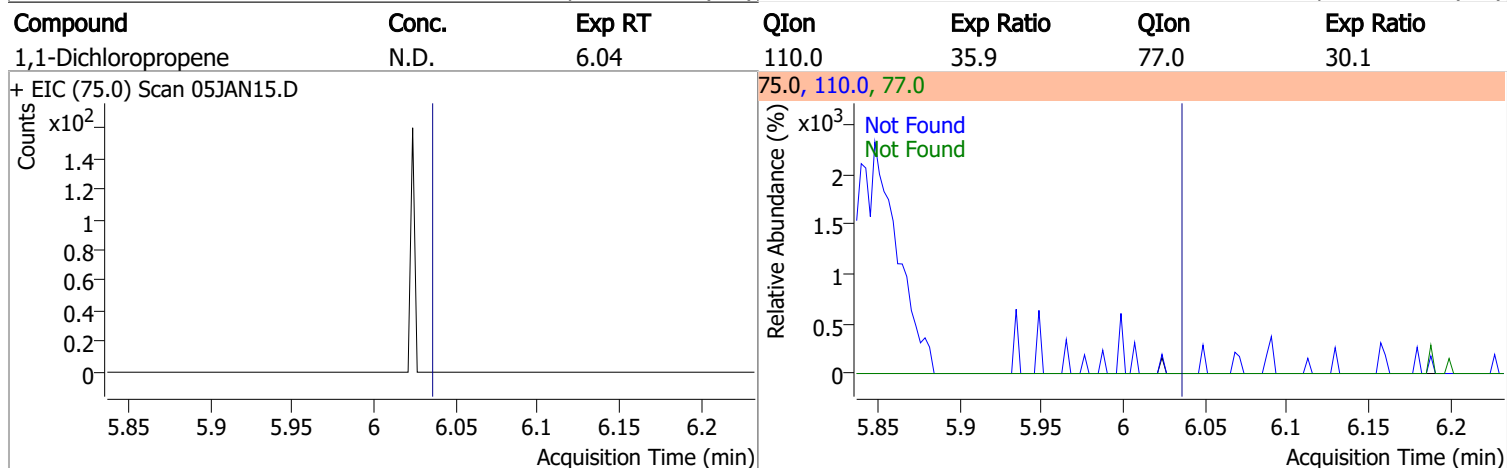
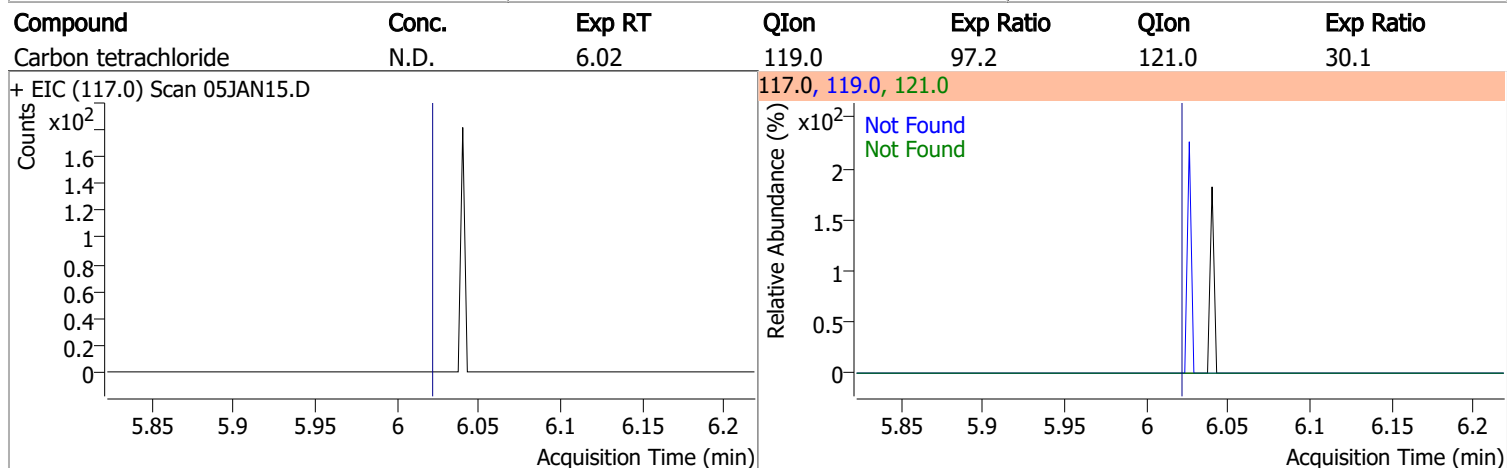
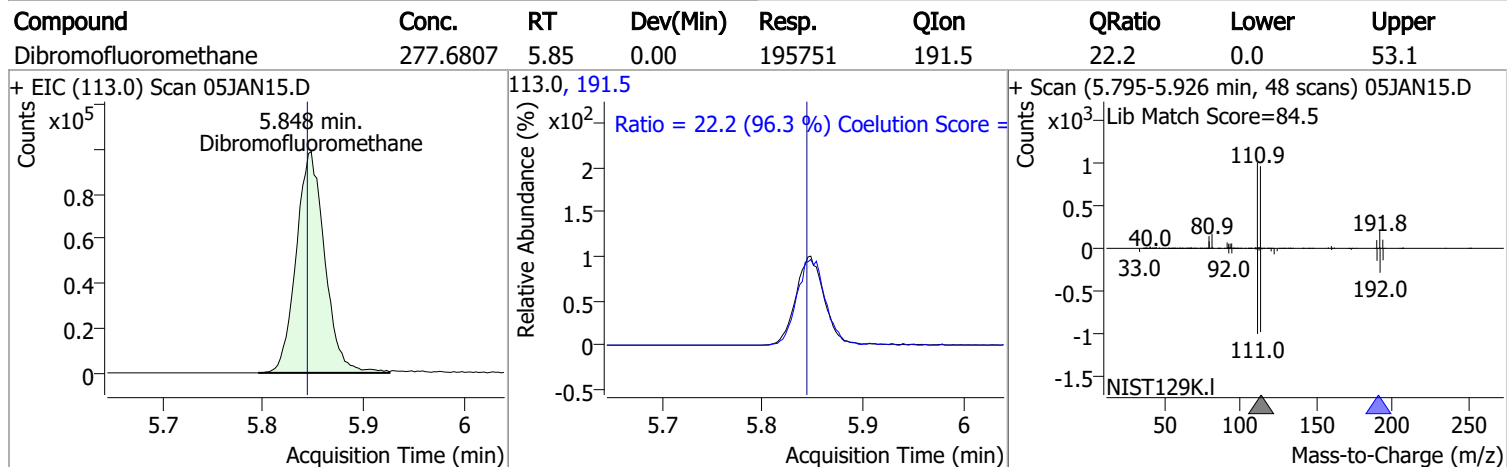
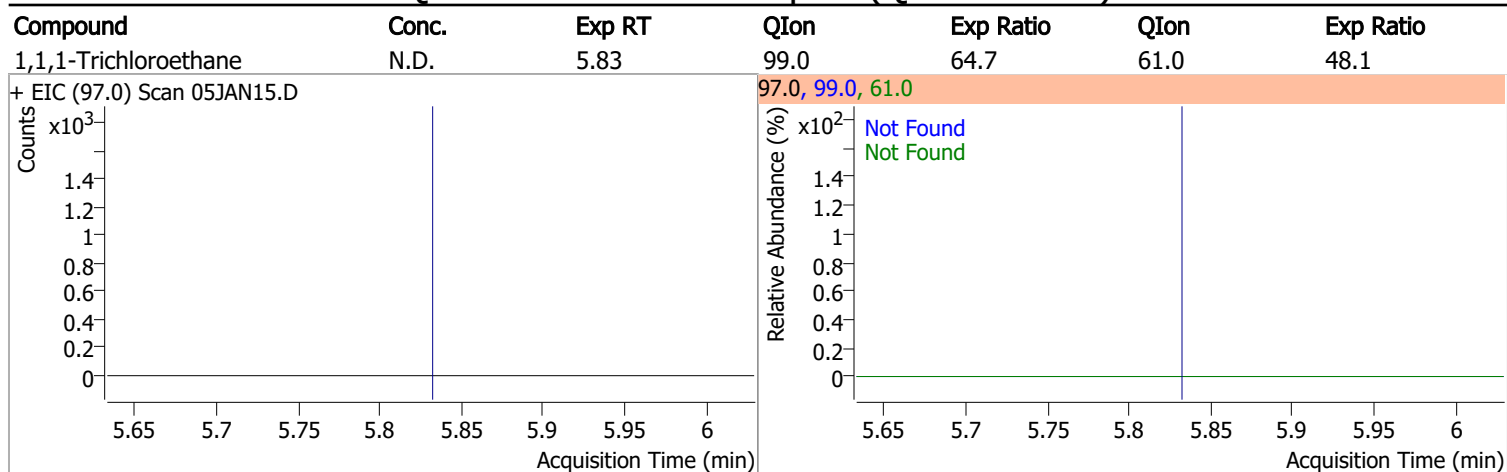
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|-------|------|--------|-------|-------|
| Chloroform | 1.9088 | 5.65 | -0.01    | 2719  | 85.0 | 71.9   | 36.0  | 96.0  |

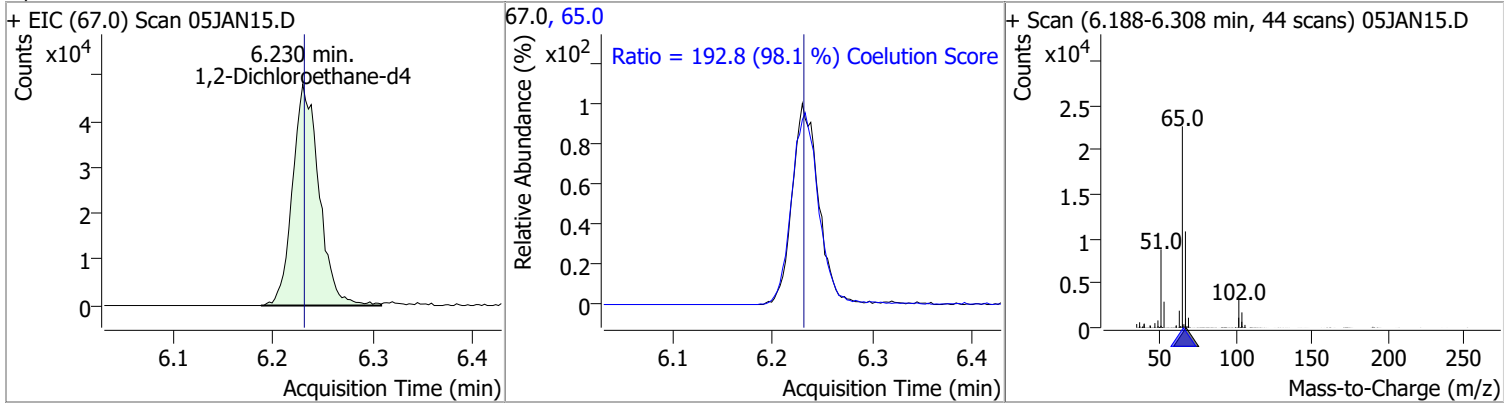


# Quantitation Results Report (QT Reviewed)

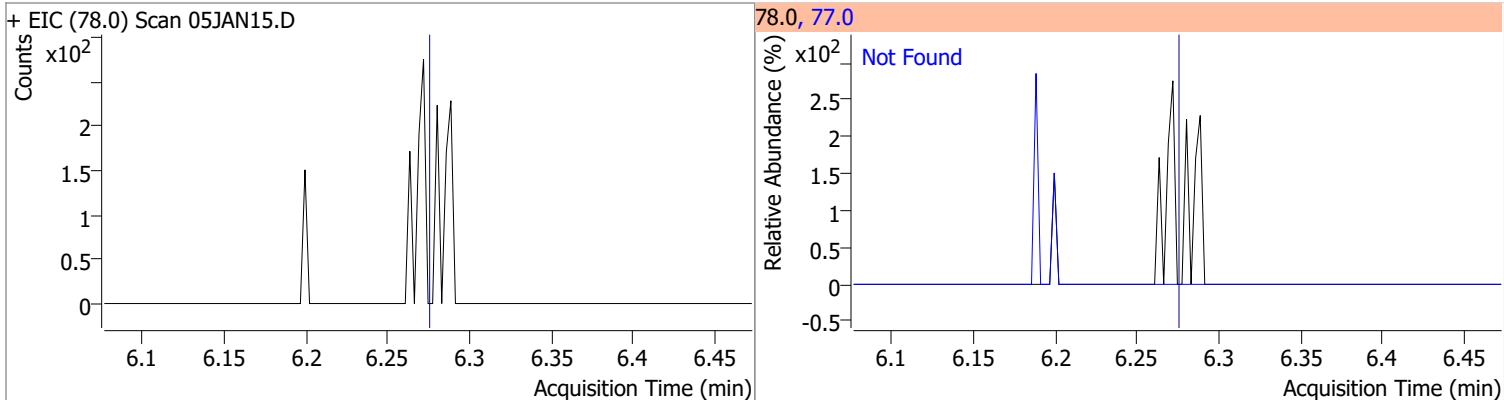


# Quantitation Results Report (QT Reviewed)

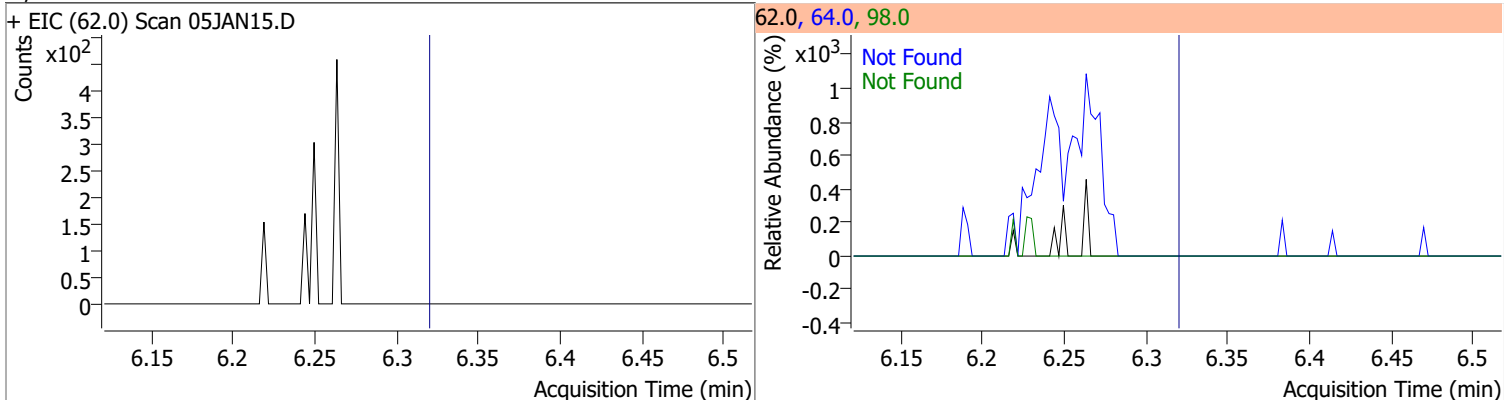
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 289.1908 | 6.23 | 0.00     | 88055 | 65.0 | 192.8  | 166.5 | 226.5 |



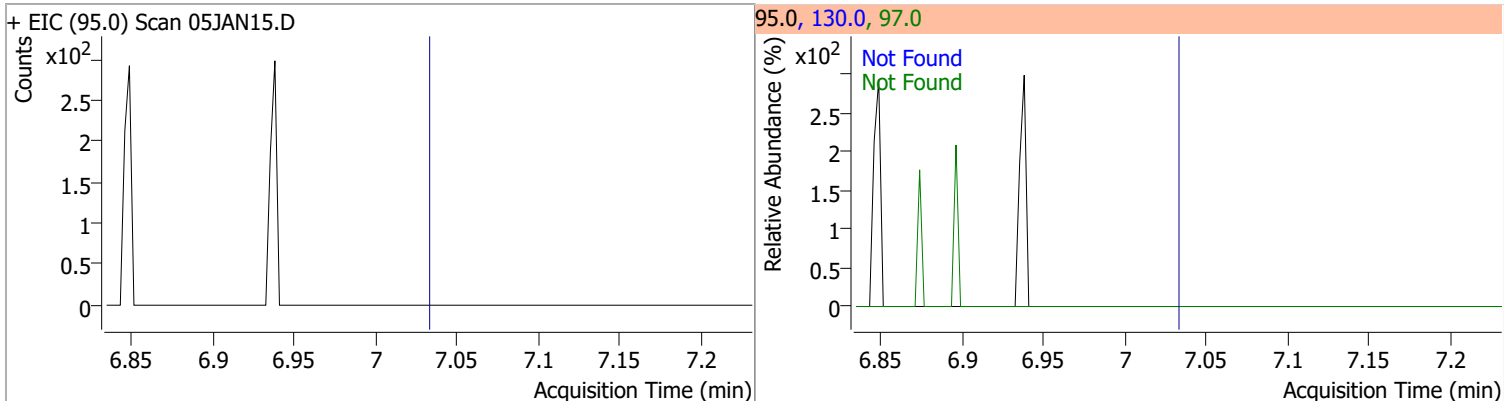
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



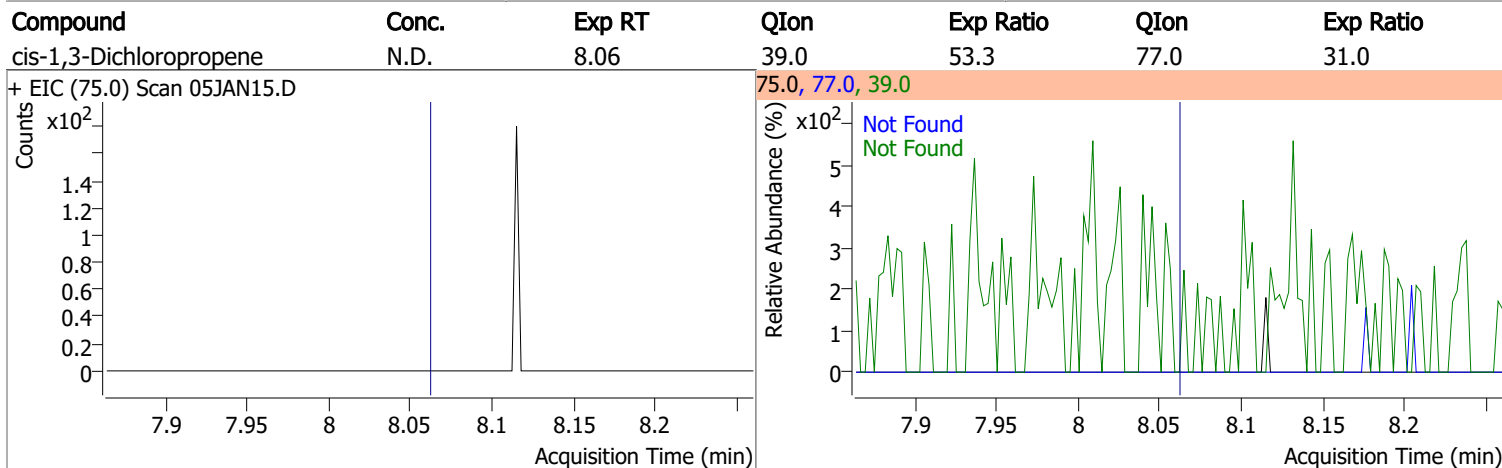
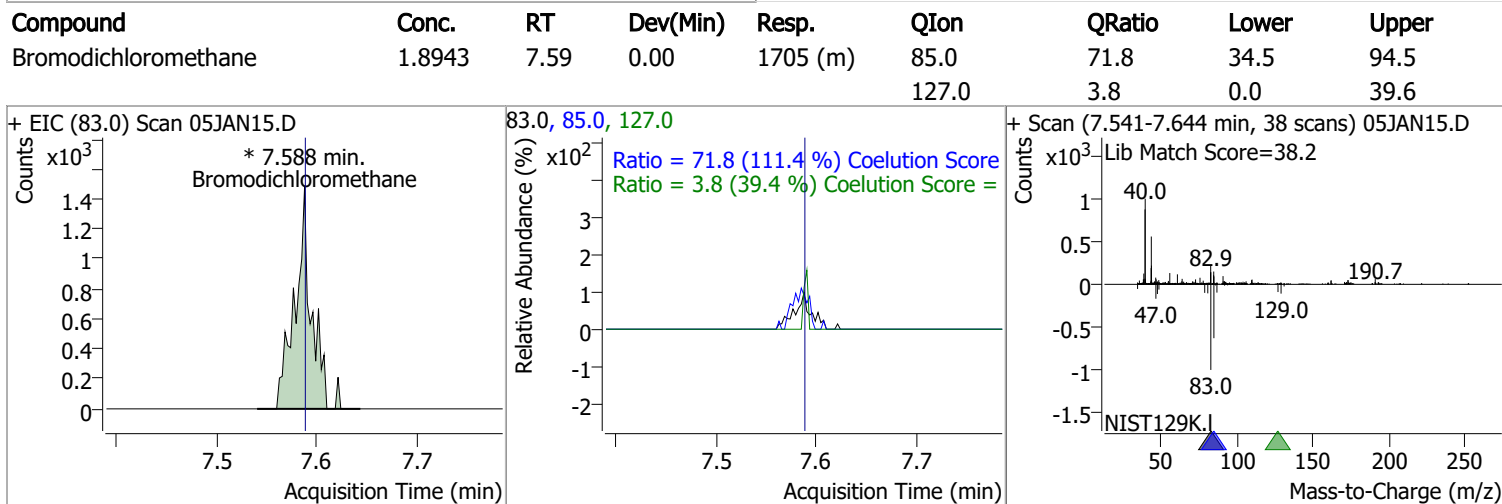
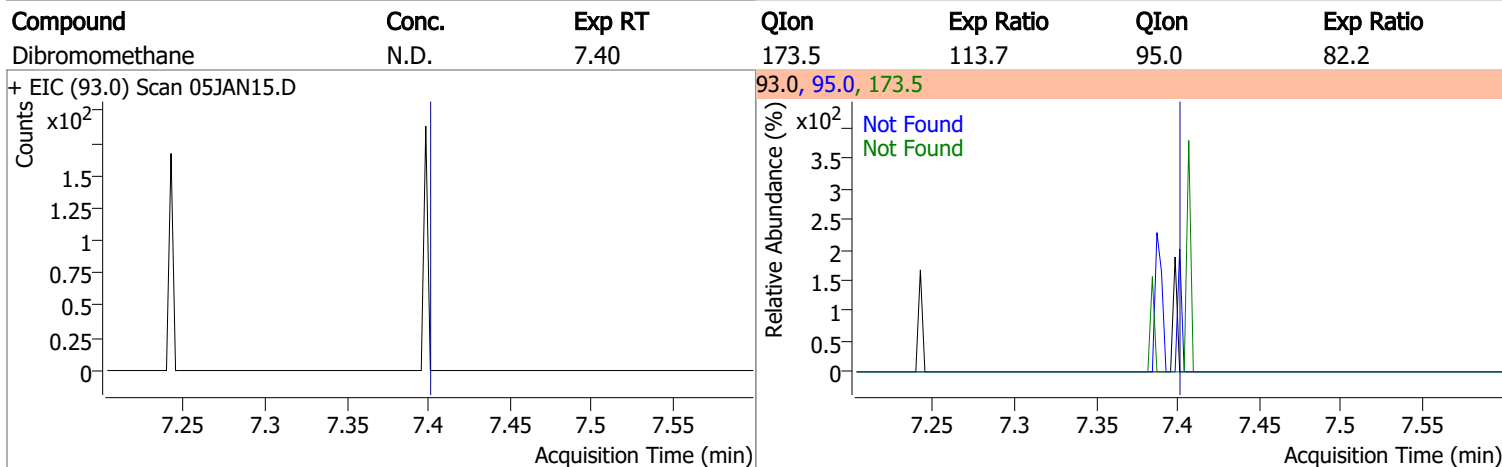
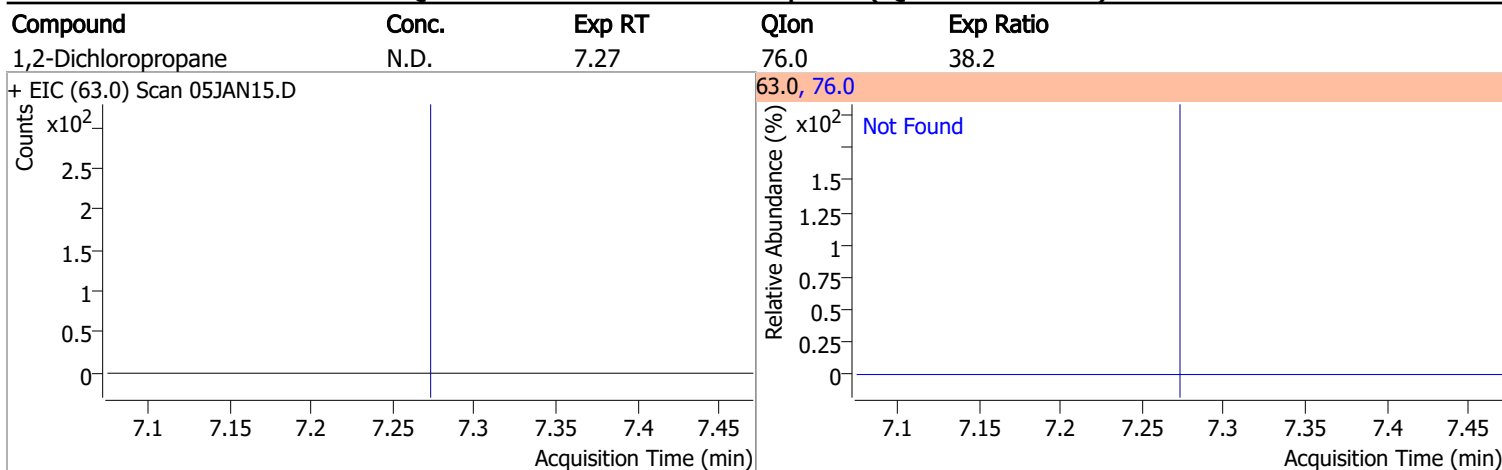
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

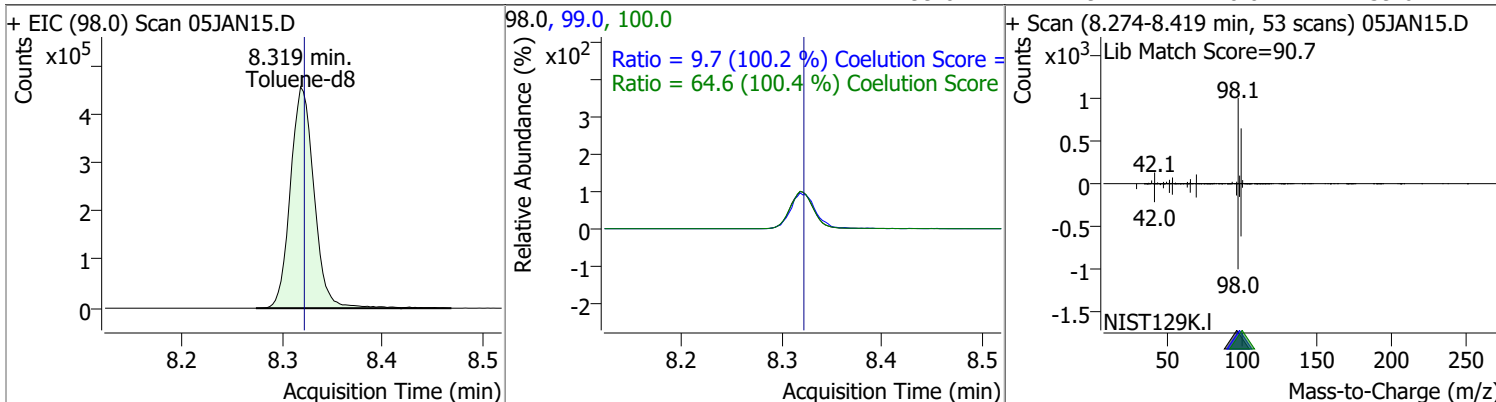


# Quantitation Results Report (QT Reviewed)

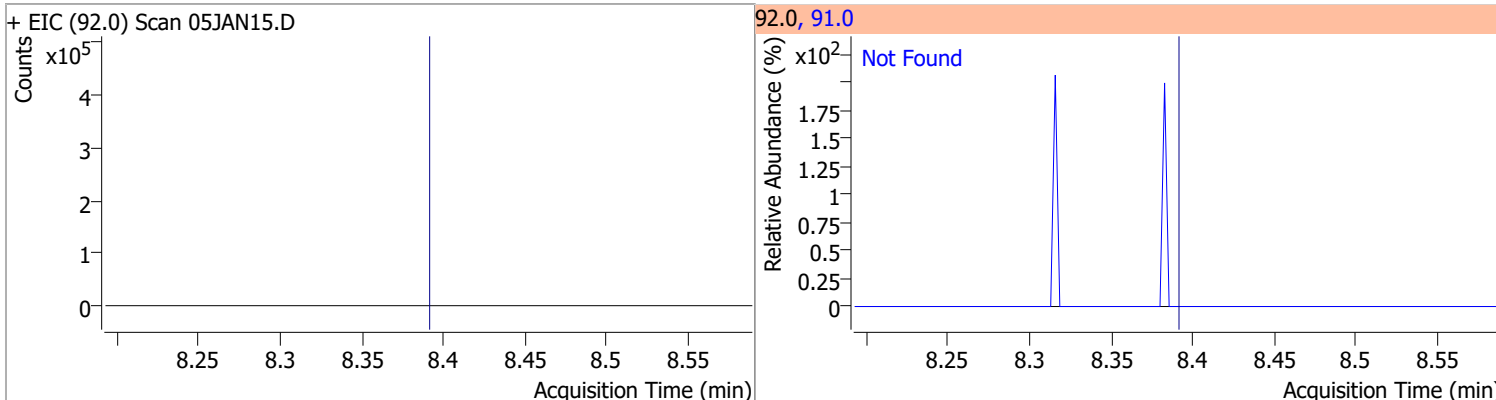


# Quantitation Results Report (QT Reviewed)

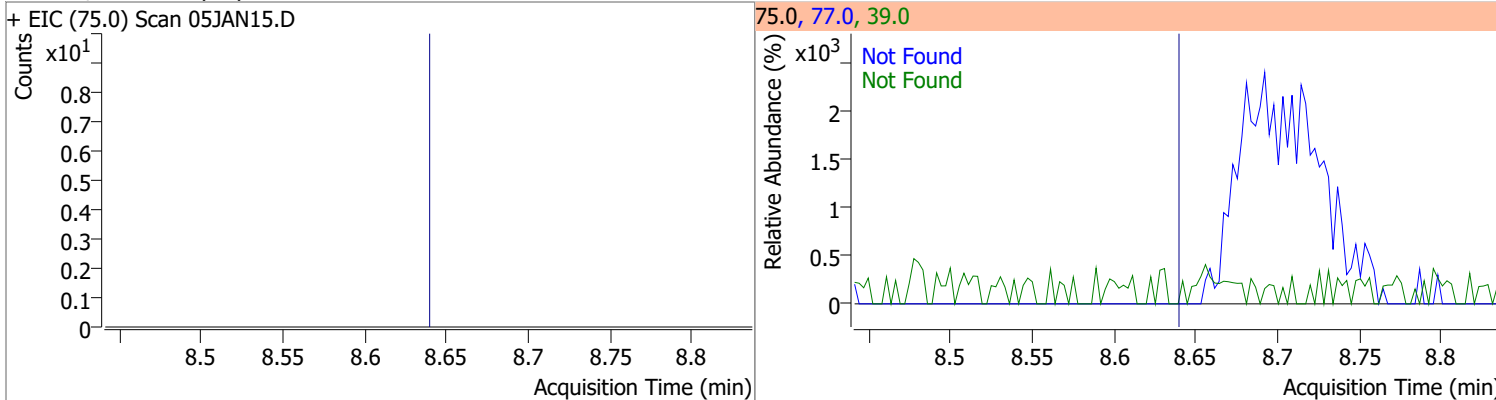
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 265.9370 | 8.32 | 0.00     | 745560 | 100.0 | 64.6   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.7    | 0.0   | 39.6  |



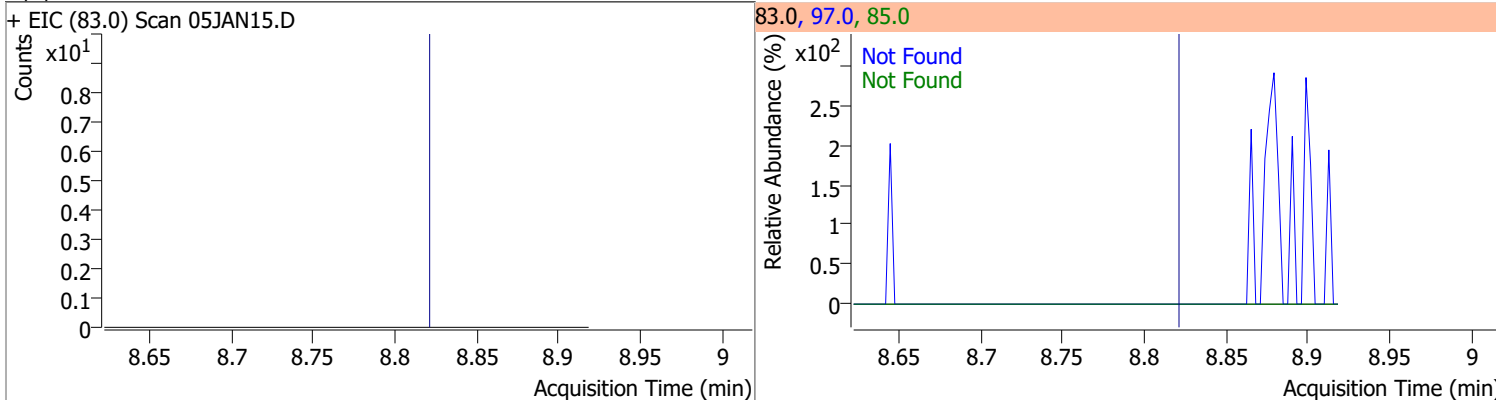
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Toluene  | N.D.  | 8.39   | 91.0 | 175.8     |



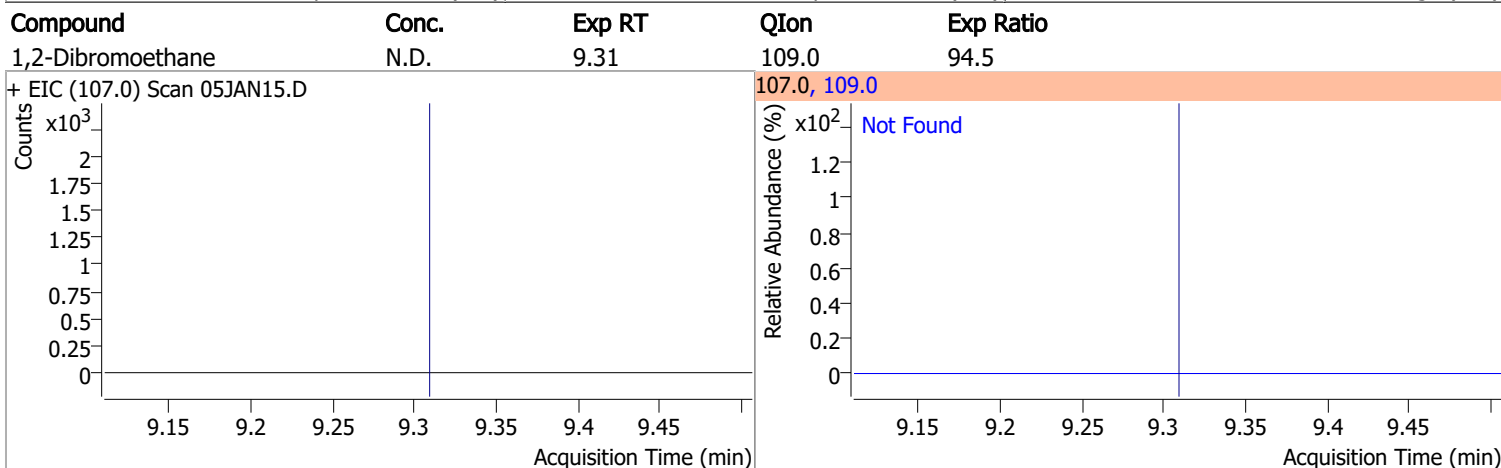
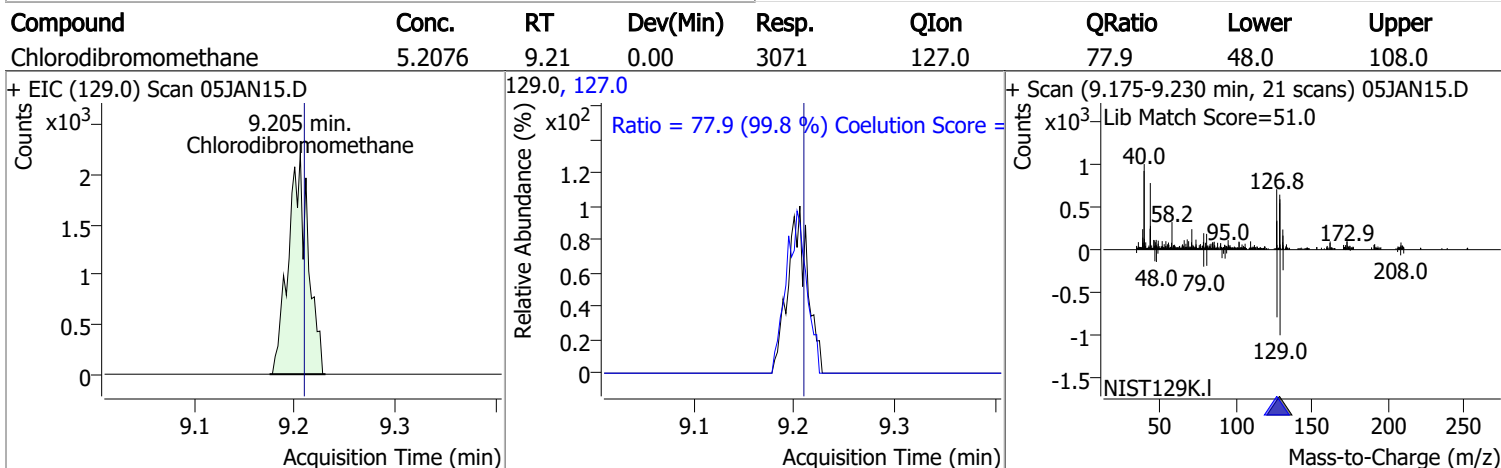
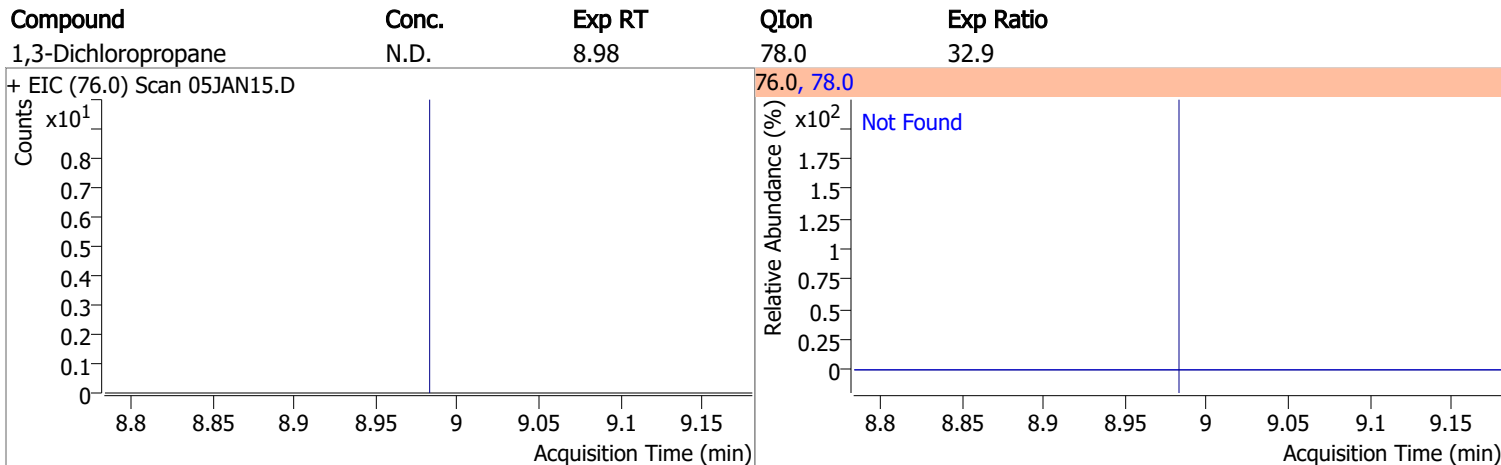
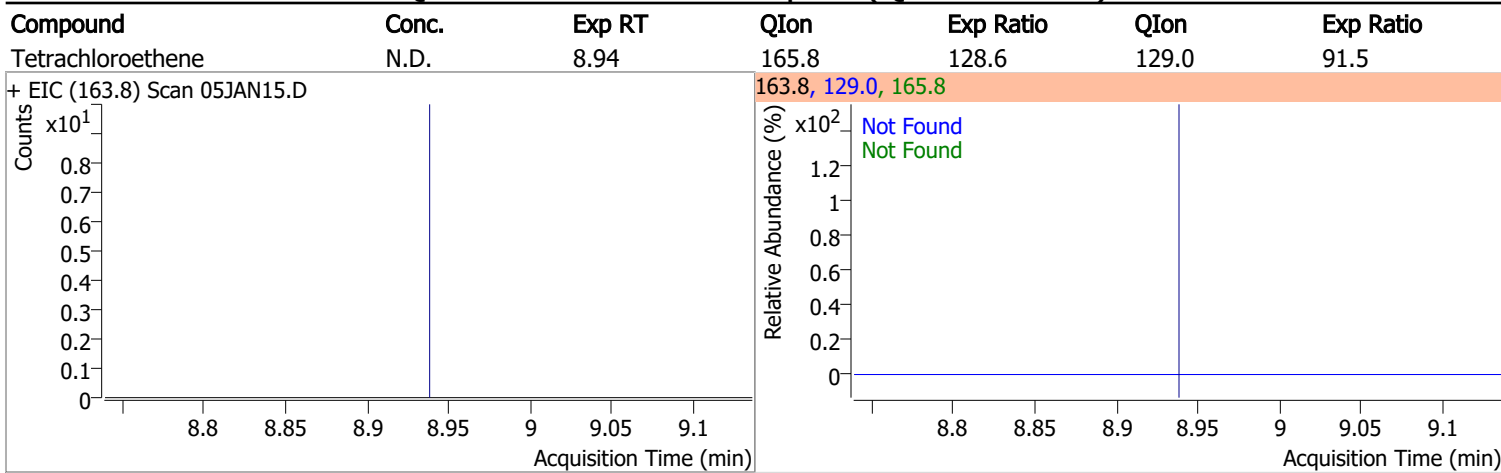
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

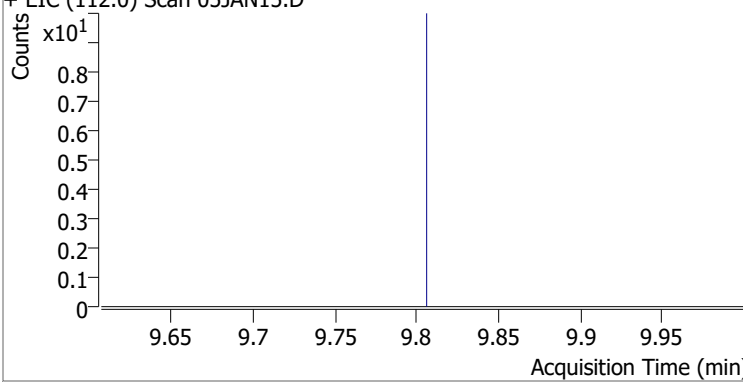
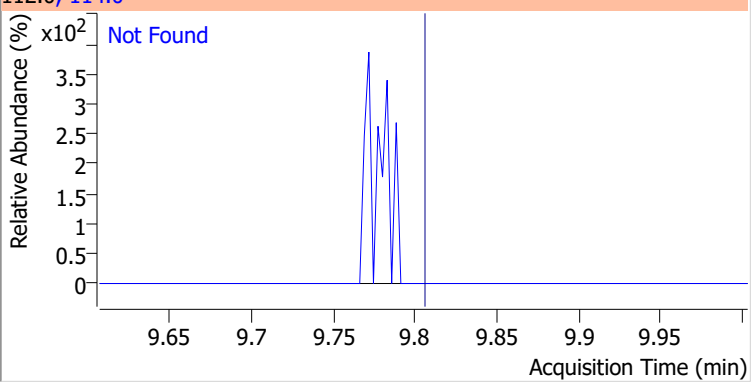
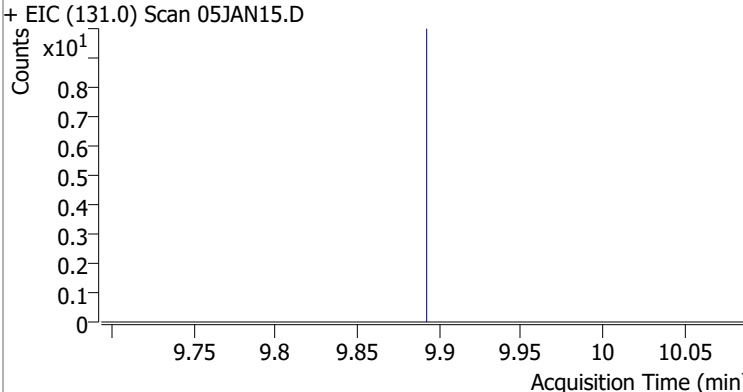
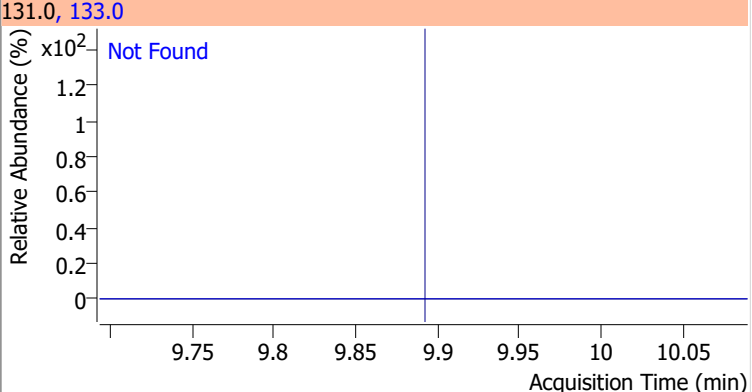
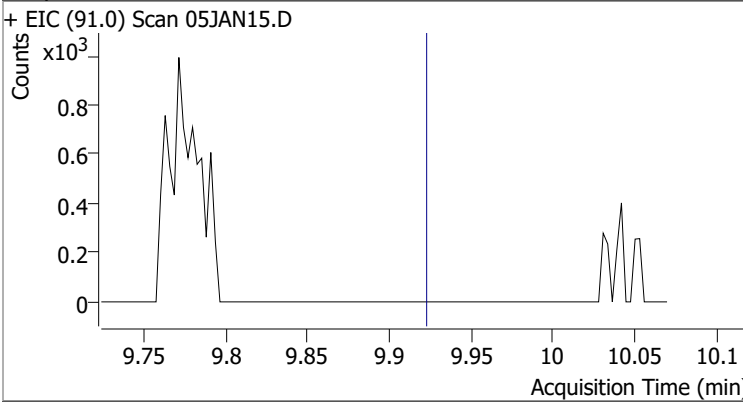
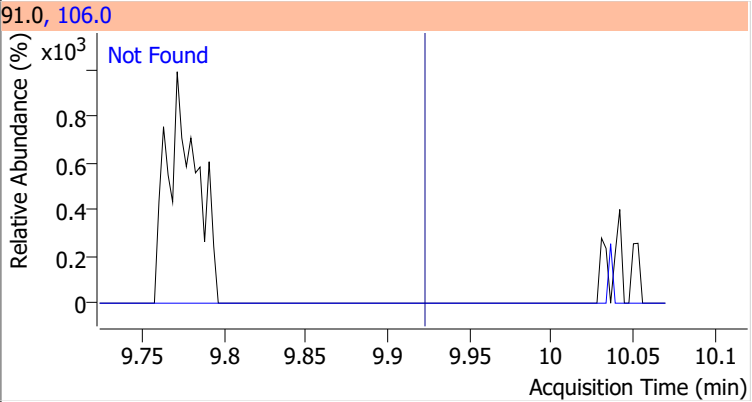
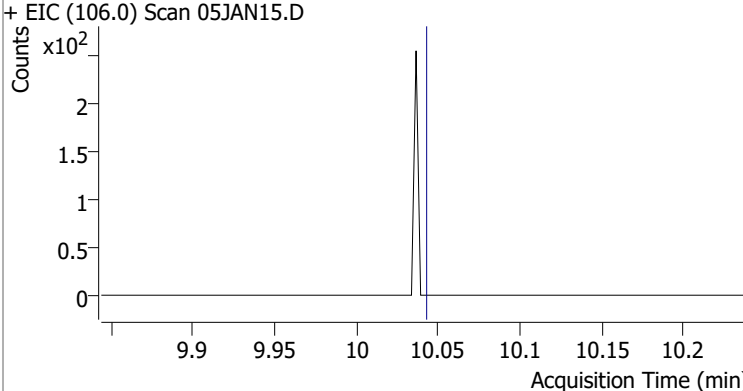
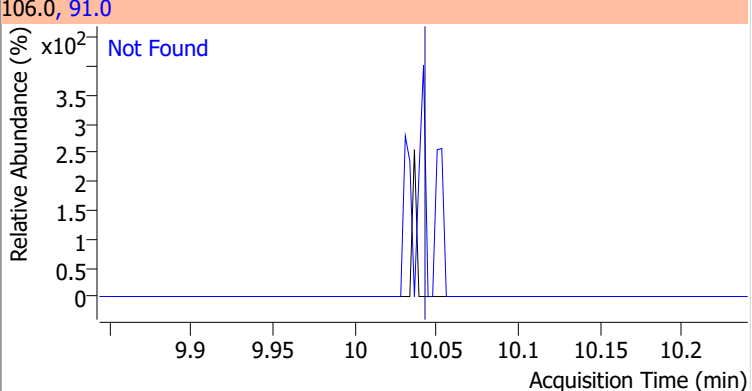


# Quantitation Results Report (QT Reviewed)

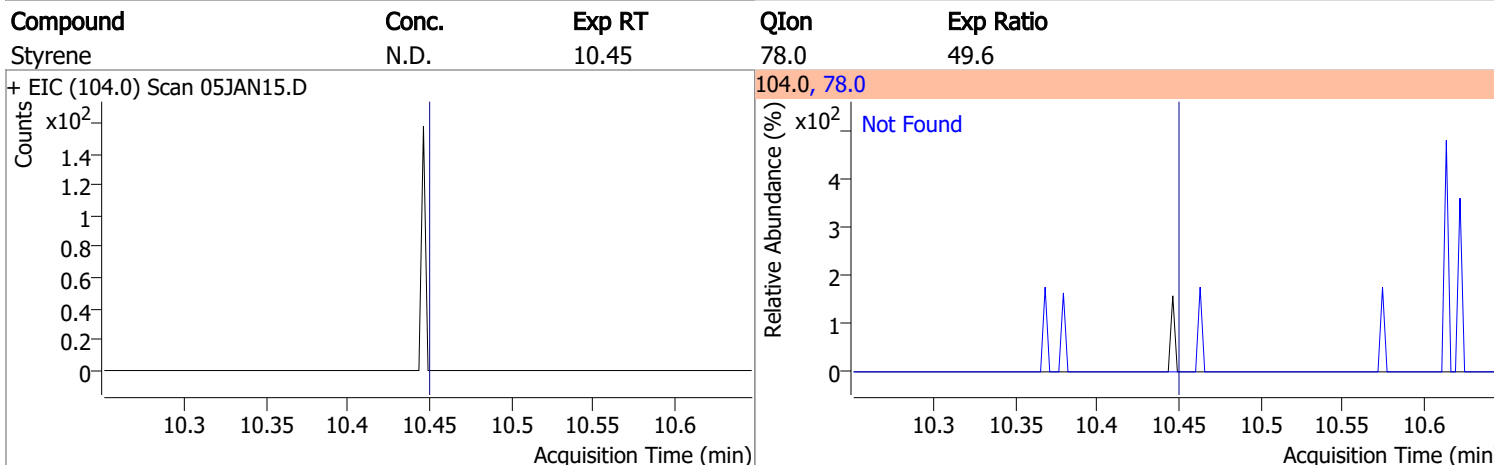
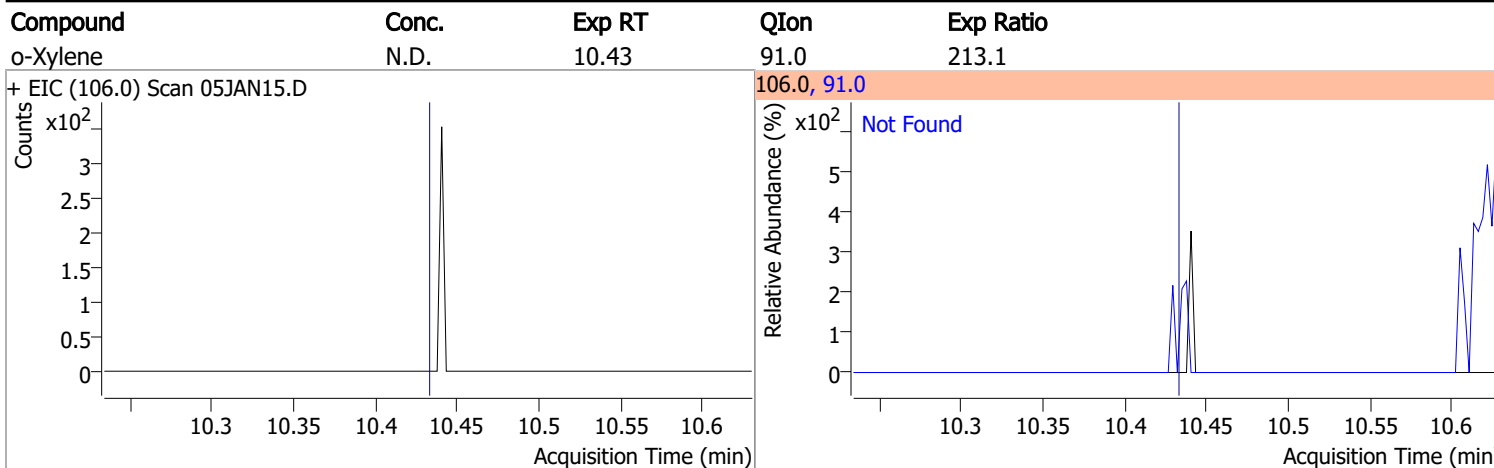




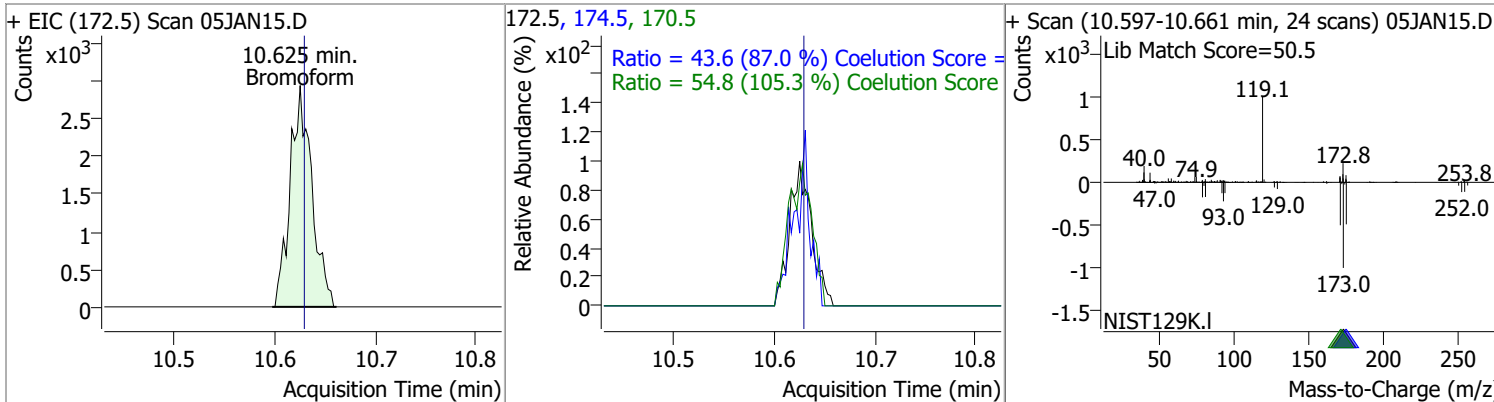
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0  | 32.1      |
| + EIC (112.0) Scan 05JAN15.D   |       |        | 112.0, 114.0   |           |
|    |       |        |    |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0  | 98.6      |
| + EIC (131.0) Scan 05JAN15.D   |       |        | 131.0, 133.0   |           |
|   |       |        |   |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0  | 31.1      |
| + EIC (91.0) Scan 05JAN15.D  |       |        | 91.0, 106.0  |           |
|  |       |        |  |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0   | 201.4     |
| + EIC (106.0) Scan 05JAN15.D   |       |        | 106.0, 91.0  |           |
|  |       |        |  |           |

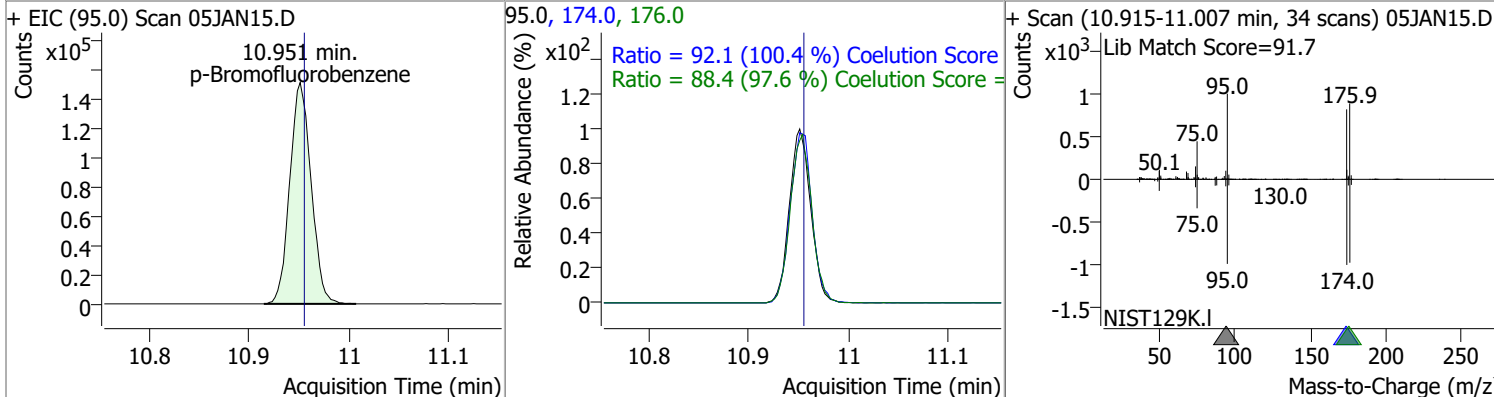
# Quantitation Results Report (QT Reviewed)



| Compound  | Conc.   | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|---------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 15.3730 | 10.62 | 0.00     | 4407  | 170.5 | 54.8   | 22.1  | 82.1  |
|           |         |       |          |       | 174.5 | 43.6   | 20.1  | 80.1  |

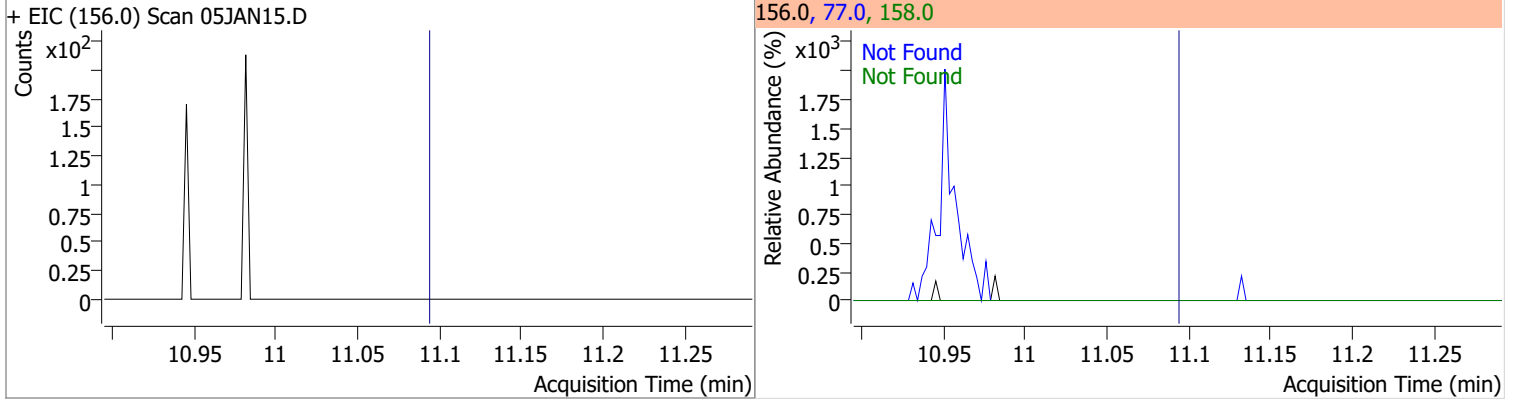


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 270.8078 | 10.95 | 0.00     | 222254 | 174.0 | 92.1   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 88.4   | 60.6  | 120.6 |

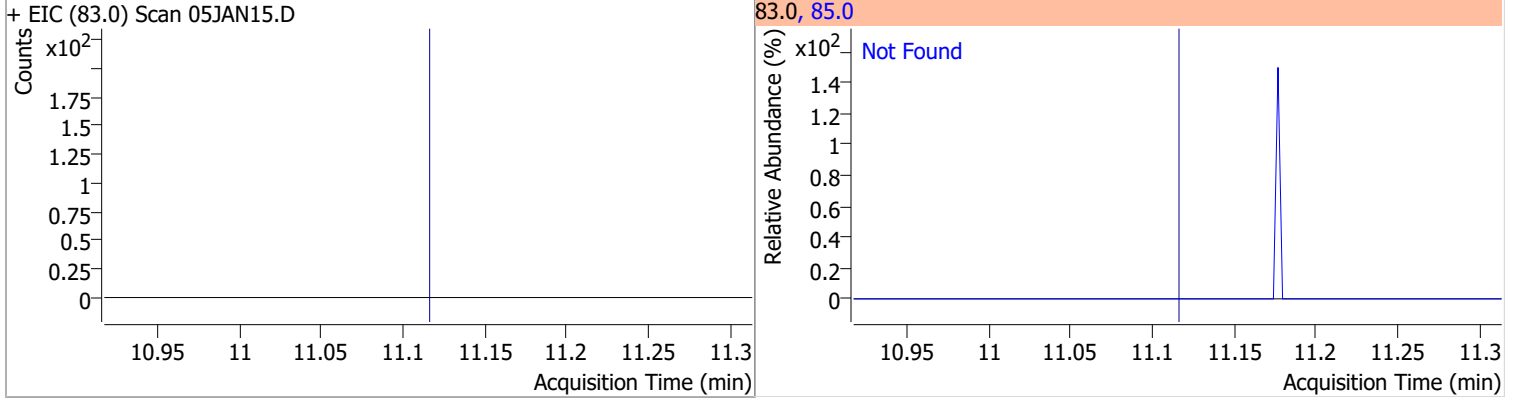


# Quantitation Results Report (QT Reviewed)

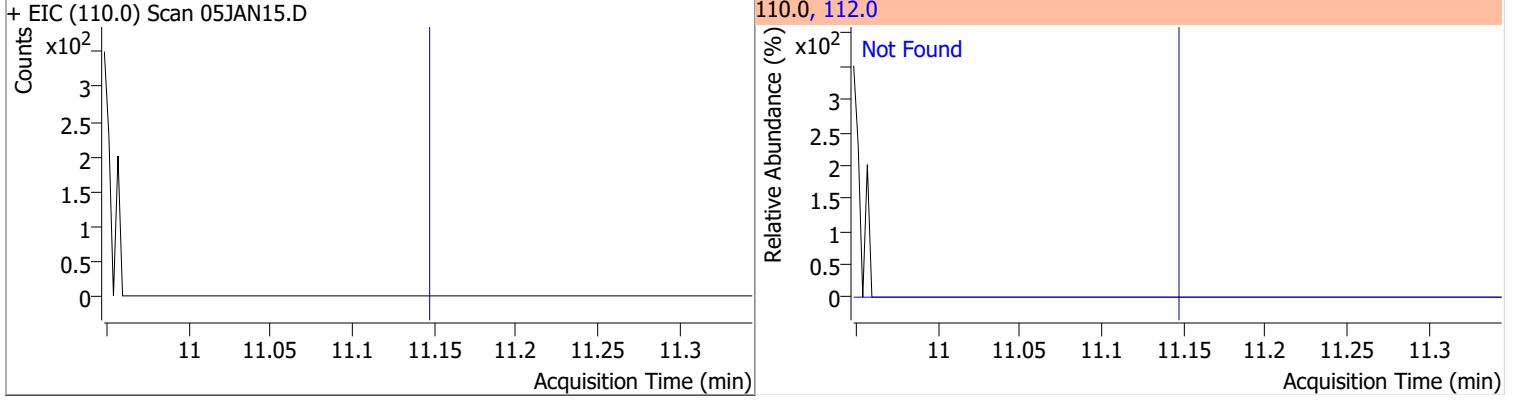
| Compound     | Conc. | Exp RT | QIon | Exp Ratio | QIon  | Exp Ratio |
|--------------|-------|--------|------|-----------|-------|-----------|
| Bromobenzene | N.D.  | 11.09  | 77.0 | 145.7     | 158.0 | 96.5      |



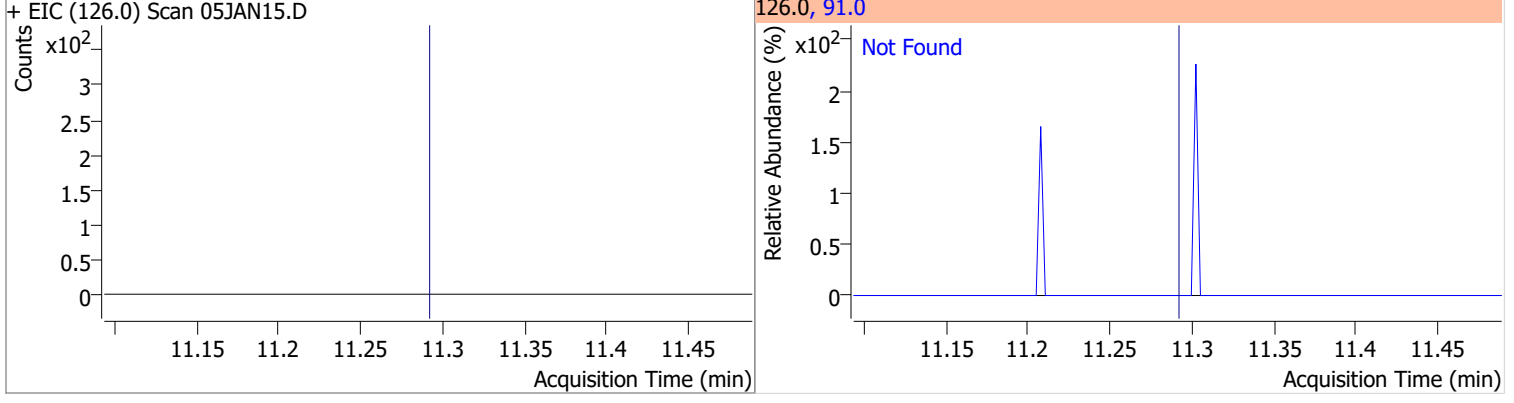
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|
| 1,1,2,2-Tetrachloroethane | N.D.  | 11.12  | 85.0 | 66.2      |



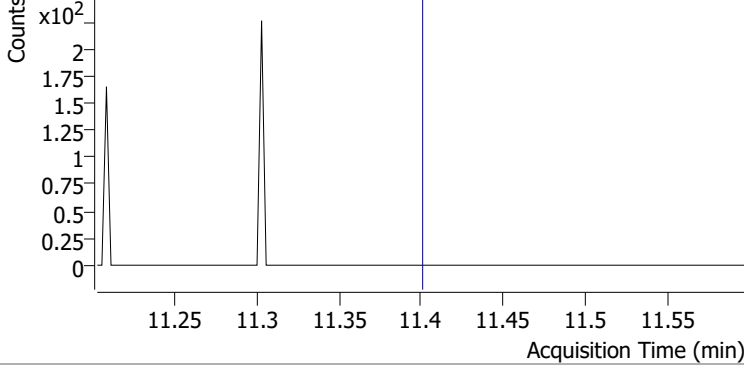
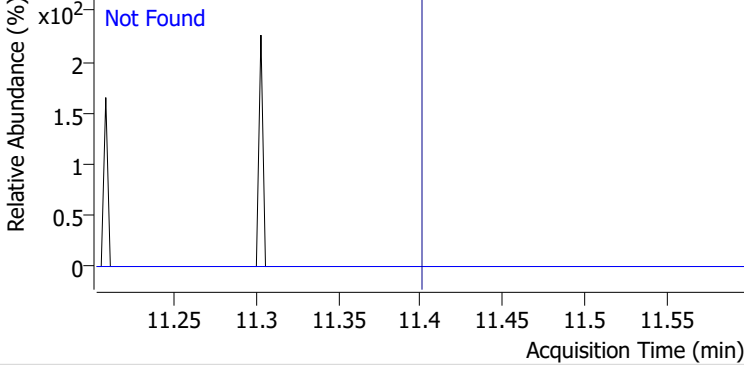
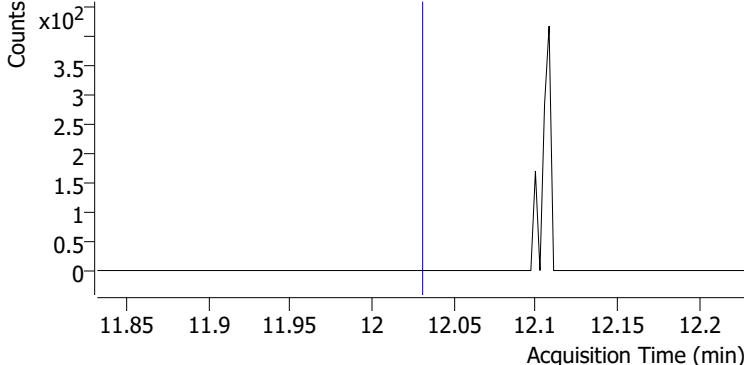
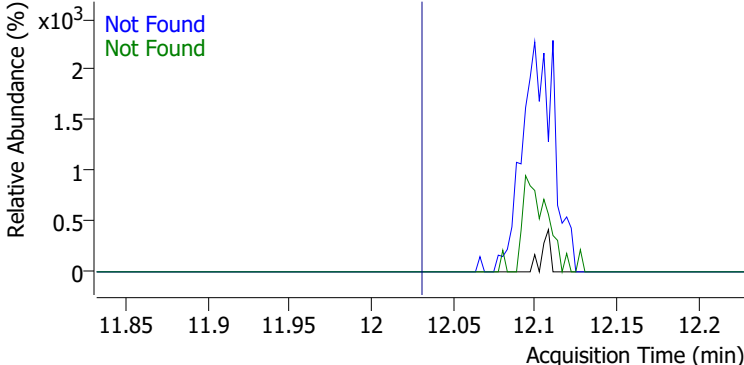
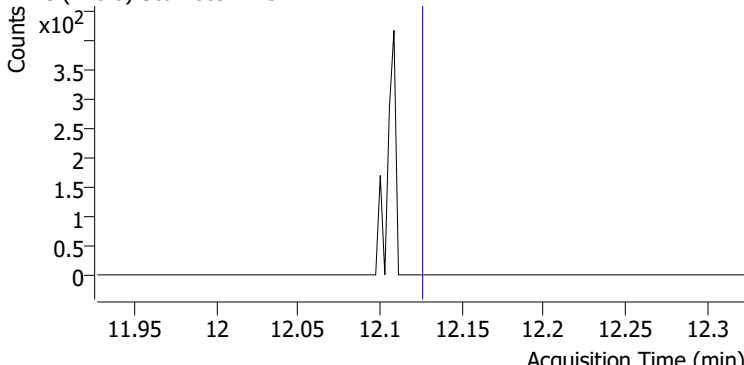
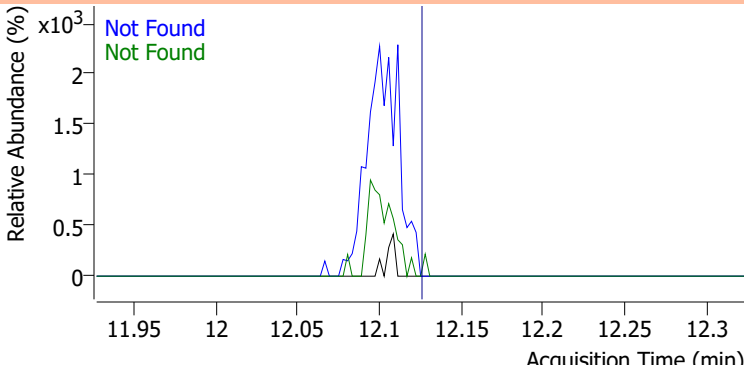
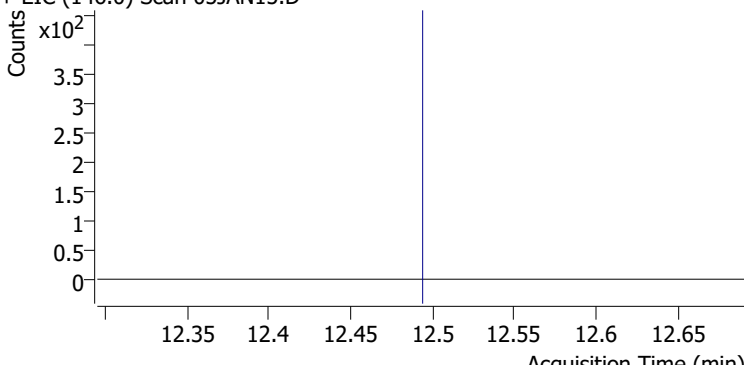
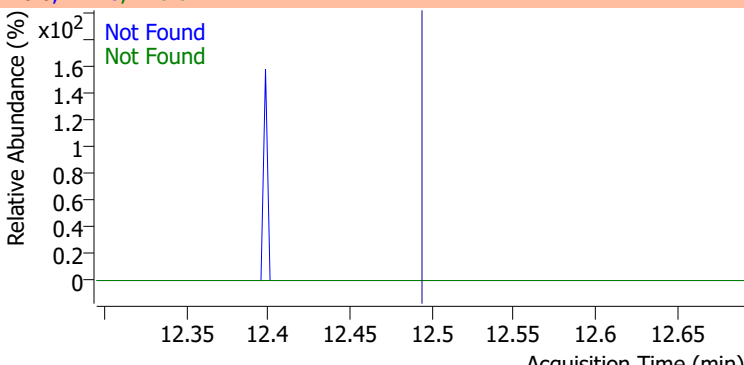
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| 1,2,3-Trichloropropane | N.D.  | 11.15  | 112.0 | 63.5      |



| Compound        | Conc. | Exp RT | QIon | Exp Ratio |
|-----------------|-------|--------|------|-----------|
| 2-Chlorotoluene | N.D.  | 11.29  | 91.0 | 282.3     |

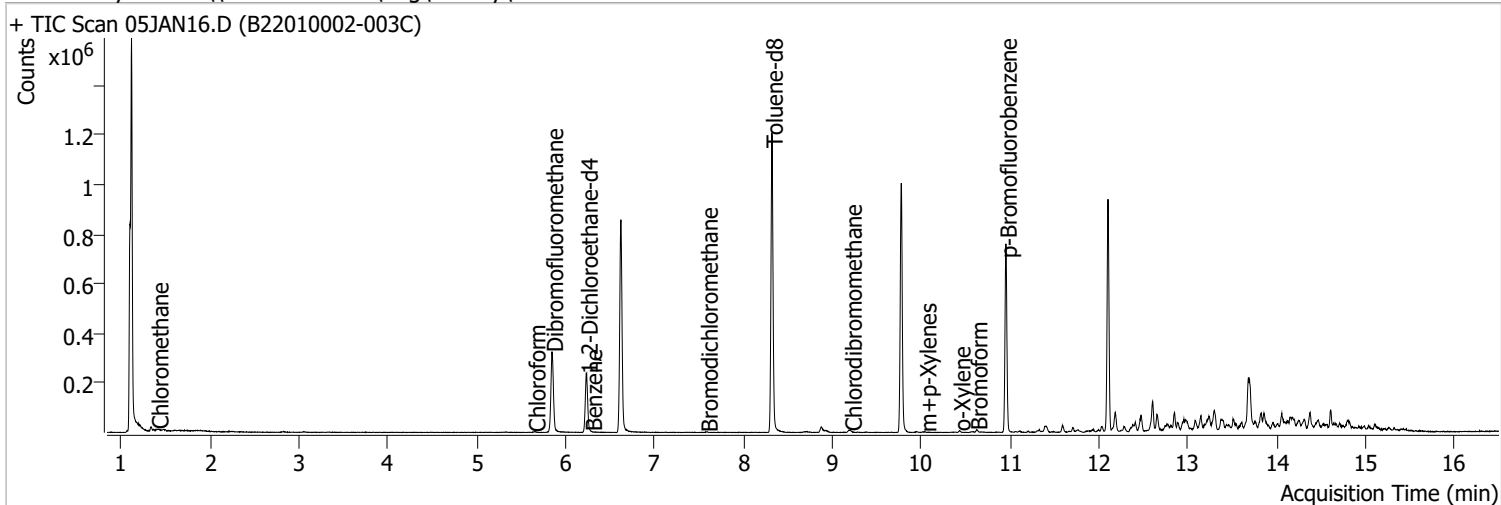


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN15.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN15.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN15.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN15.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN16.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 4:55:12 PM   |
| Sample Name    | B22010002-003C                      | Instrument        | VOA5975C              |
| Vial           | 16                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.l |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 721651 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 281607 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 221070 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 188096 | 276.6653           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 110.67% |       |          |
| S 1,2-Dichloroethane-d4            | 6.236                | 67.0  | 83583  | 284.6308           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 113.85% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 720822 | 265.6225           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 106.25% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 214236 | 264.5239           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 105.81% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.408                | 50.0  | 4649   | 4.0503             | ng    | 85       |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.330                | 49.0  | 0      |                    | ng    | md 1     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 5.647                | 83.0  | 2347   | 1.7084             | ng    | 83       |

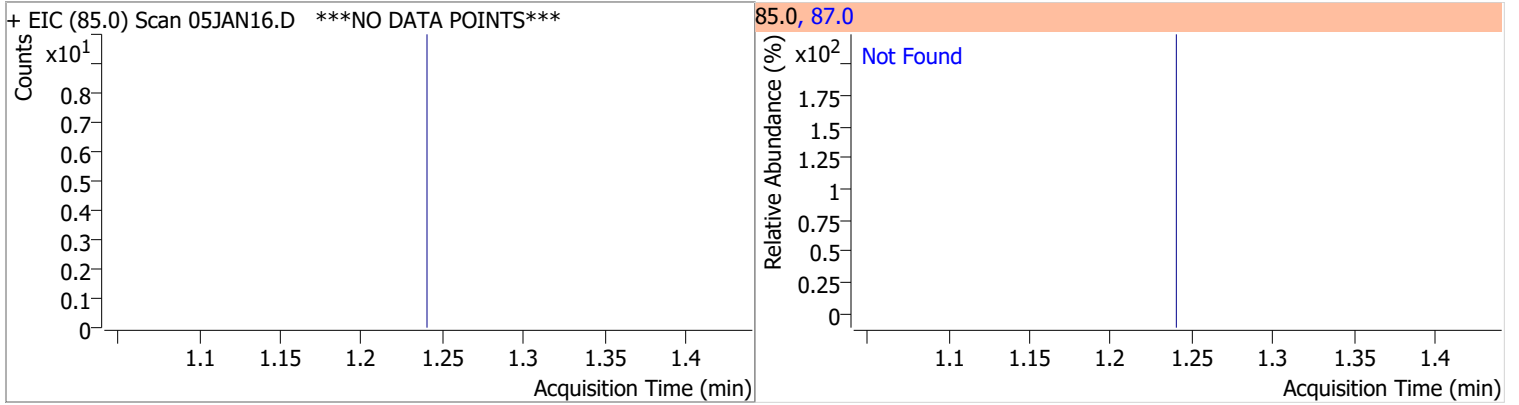
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.   | Units |    | Dev(Min) |
|-----------------------------|--------|-------|-------|---------|-------|----|----------|
| T 1,1,1-Trichloroethane     | 0.000  |       | 0     | N.D.    |       |    |          |
| T Carbon tetrachloride      | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,1-Dichloropropene       | 0.000  |       | 0     | N.D.    |       |    |          |
| T Benzene                   | 6.286  | 78.0  | 421   | 0.1466  | ng    | m  | 65       |
| T 1,2-Dichloroethane        | 0.000  |       | 0     | N.D.    |       |    |          |
| T Trichloroethene           | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,2-Dichloropropane       | 0.000  |       | 0     | N.D.    |       |    |          |
| T Dibromomethane            | 0.000  |       | 0     | N.D.    |       |    |          |
| T Bromodichloromethane      | 7.585  | 83.0  | 1814  | 2.0816  | ng    | m  | 77       |
| T cis-1,3-Dichloropropene   | 0.000  |       | 0     | N.D.    |       |    |          |
| T Toluene                   | 8.386  | 92.0  | 0     |         | ng    | md | 1        |
| T trans-1,3-Dichloropropene | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,1,2-Trichloroethane     | 0.000  |       | 0     | N.D.    |       |    |          |
| T Tetrachloroethene         | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,3-Dichloropropane       | 0.000  |       | 0     | N.D.    |       |    |          |
| T Chlorodibromomethane      | 9.208  | 129.0 | 3282  | 5.7496  | ng    |    | 98       |
| T 1,2-Dibromoethane         | 0.000  |       | 0     | N.D.    |       |    |          |
| T Chlorobenzene             | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,1,1,2-Tetrachloroethane | 0.000  |       | 0     | N.D.    |       |    |          |
| T Ethylbenzene              | 0.000  |       | 0     | N.D.    |       |    |          |
| T m+p-Xylenes               | 10.045 | 106.0 | 646   | 0.4778  | ng    | m  | 90       |
| T o-Xylene                  | 10.430 | 106.0 | 1444  | 1.1990  | ng    | m  | 81       |
| T Styrene                   | 0.000  |       | 0     | N.D.    |       |    |          |
| T Bromoform                 | 10.622 | 172.5 | 4627  | 16.3559 | ng    |    | 96       |
| T Bromobenzene              | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,1,2,2-Tetrachloroethane | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.    |       |    |          |
| T 2-Chlorotoluene           | 0.000  |       | 0     | N.D.    |       |    |          |
| T 4-Chlorotoluene           | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,3-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,4-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |    |          |
| T 1,2-Dichlorobenzene       | 0.000  |       | 0     | N.D.    |       |    |          |

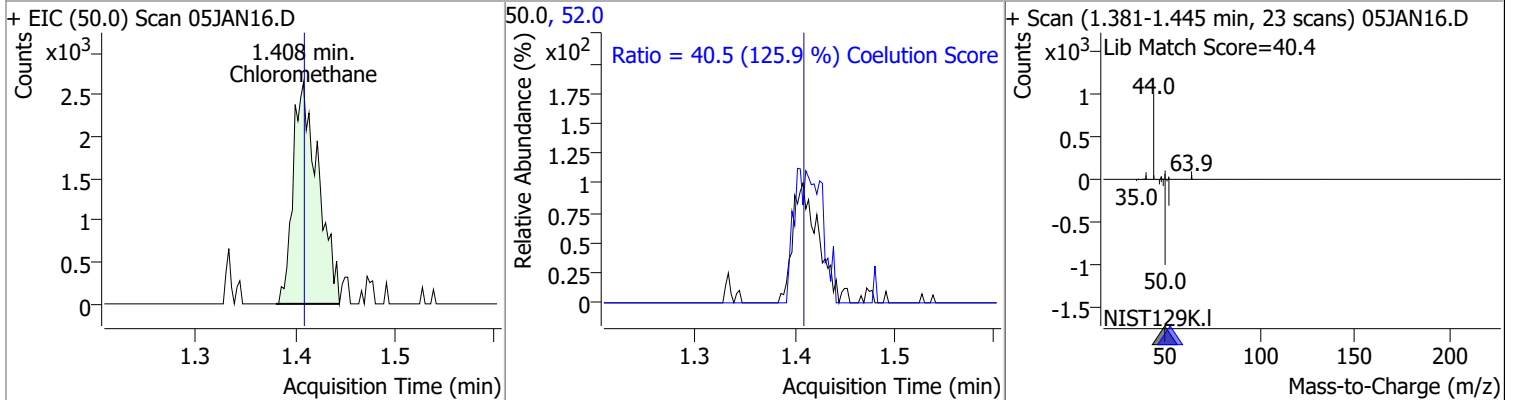
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

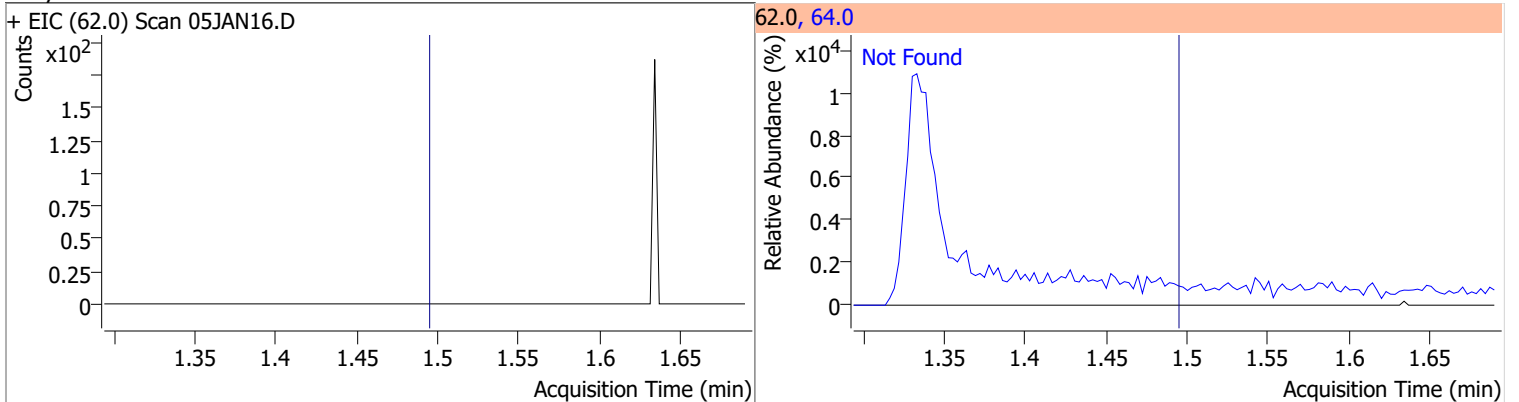
| Compound                | Conc. | Exp RT | QIon | Exp Ratio |
|-------------------------|-------|--------|------|-----------|
| Dichlorodifluoromethane | N.D.  | 1.24   | 87.0 | 32.3      |



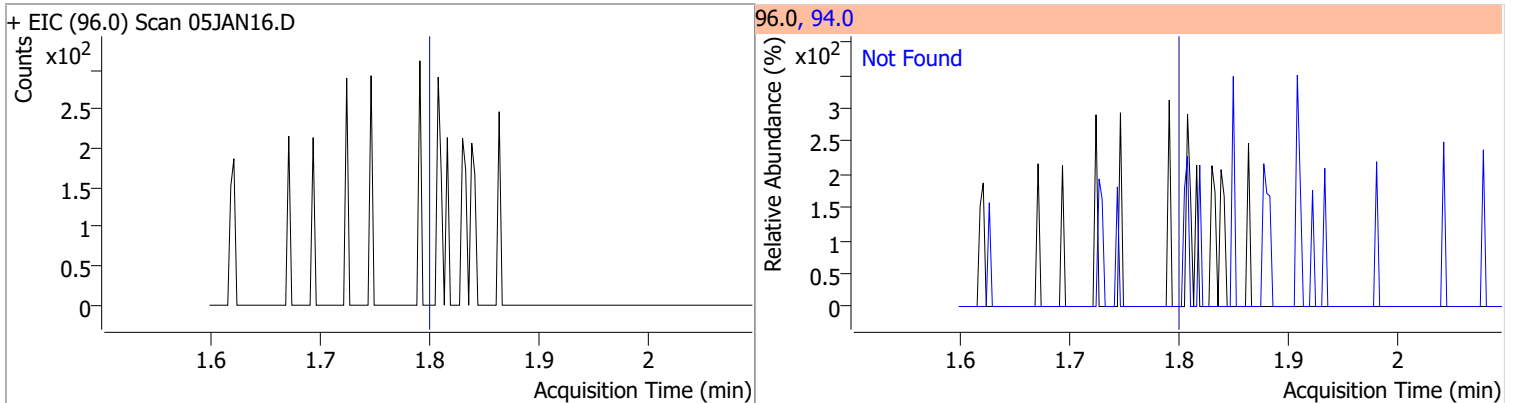
| Compound      | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|-------|------|--------|-------|-------|
| Chloromethane | 4.0503 | 1.41 | 0.00     | 4649  | 52.0 | 40.5   | 2.1   | 62.1  |



| Compound       | Conc. | Exp RT | QIon | Exp Ratio |
|----------------|-------|--------|------|-----------|
| Vinyl chloride | N.D.  | 1.50   | 64.0 | 29.9      |

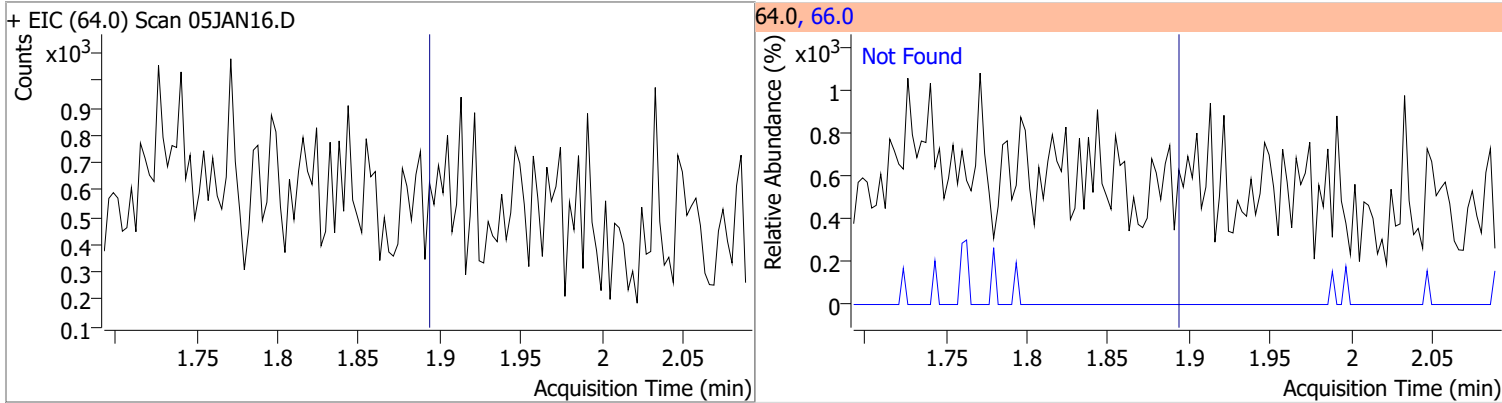


| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Bromomethane | N.D.  | 1.80   | 94.0 | 104.6     |

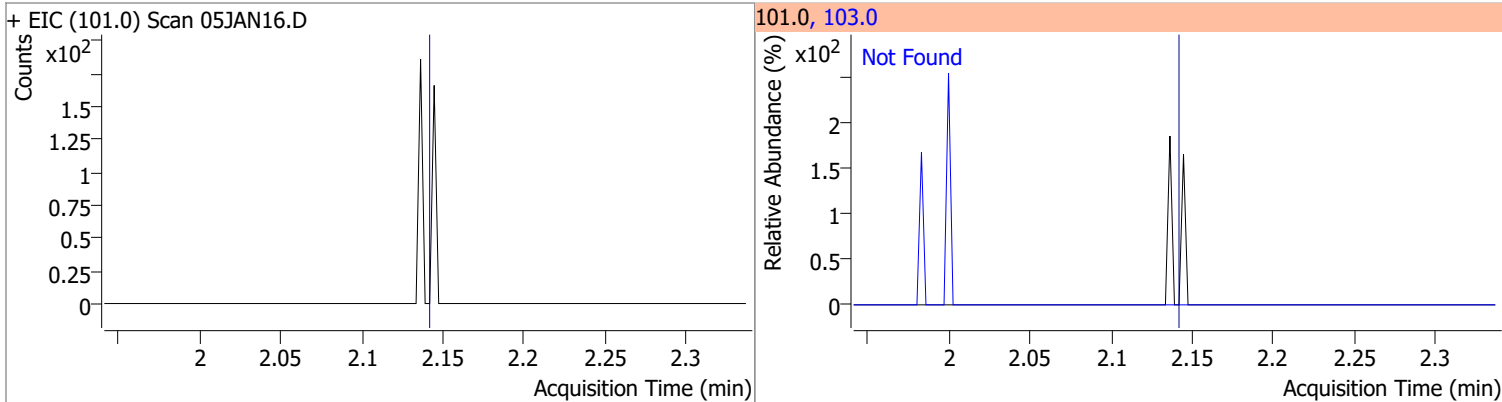


# Quantitation Results Report (QT Reviewed)

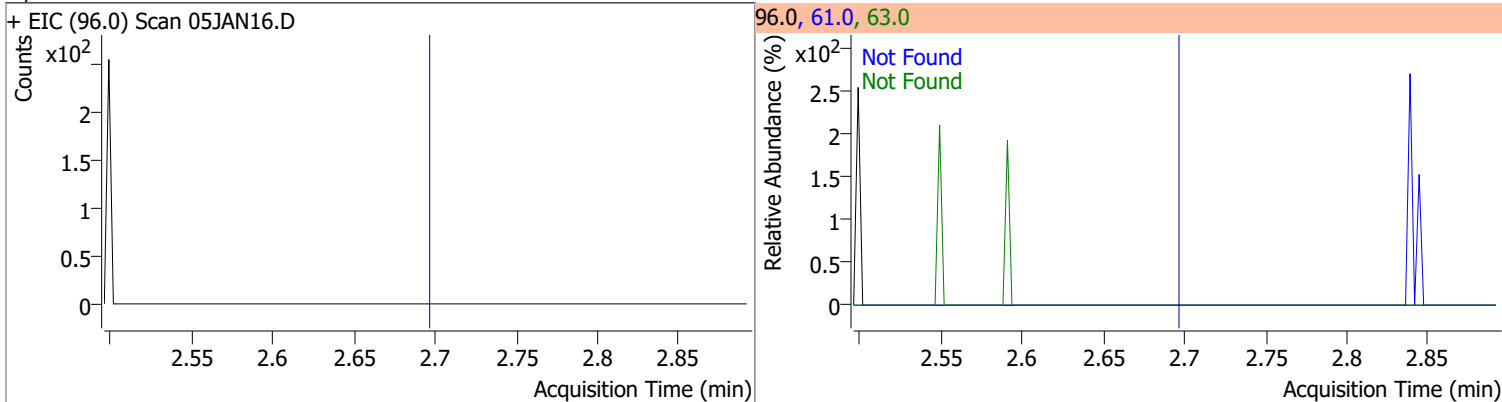
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



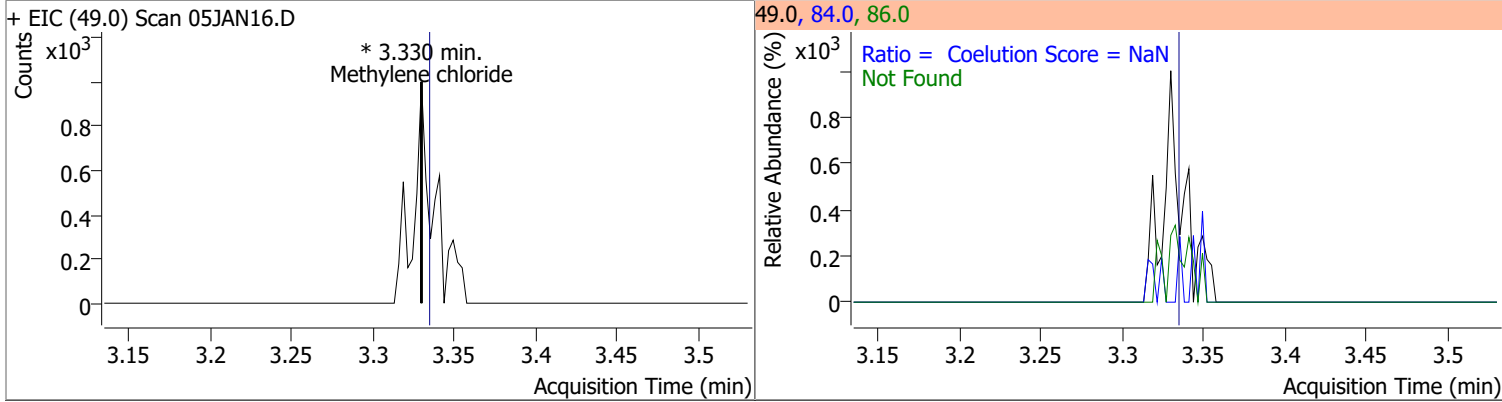
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |



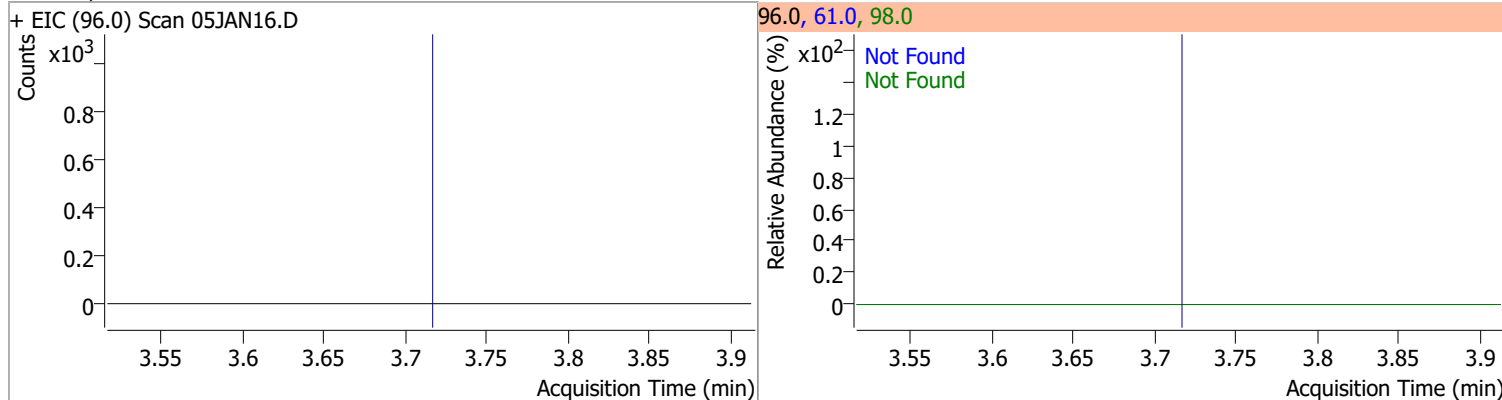
| Compound           | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|-------|----|----------|-------|------|--------|-------|-------|
| Methylene chloride |       | 0  |          | 0     | 84.0 |        | 36.9  | 96.9  |
|                    |       |    |          |       | 86.0 |        | 14.3  | 74.3  |



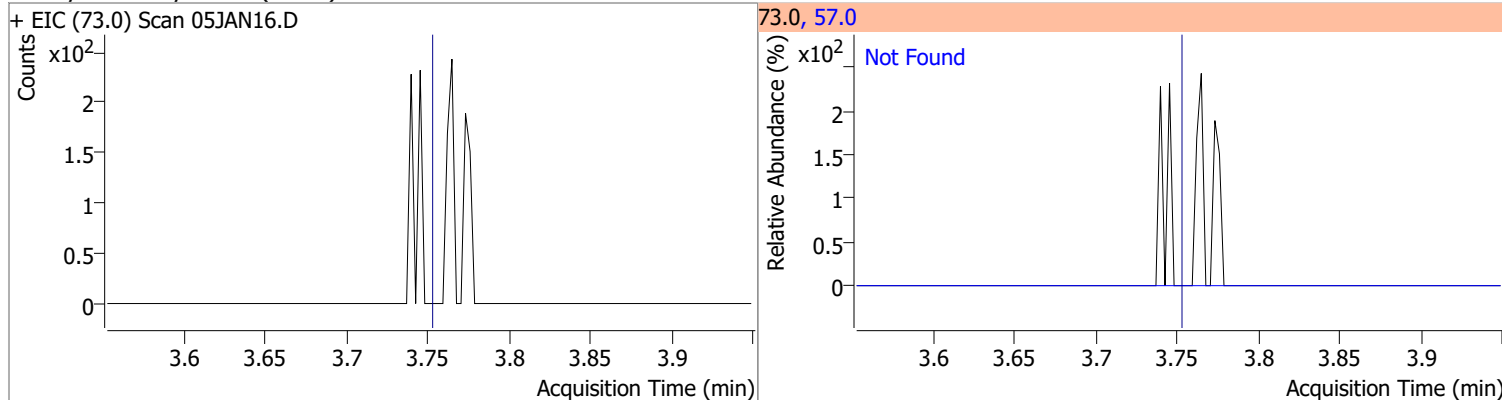


# Quantitation Results Report (QT Reviewed)

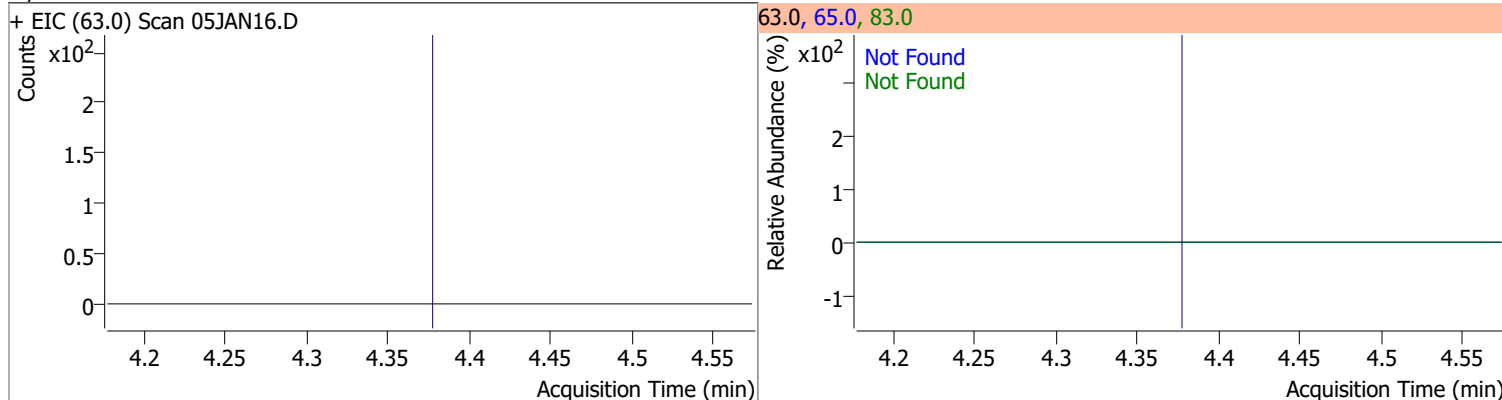
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



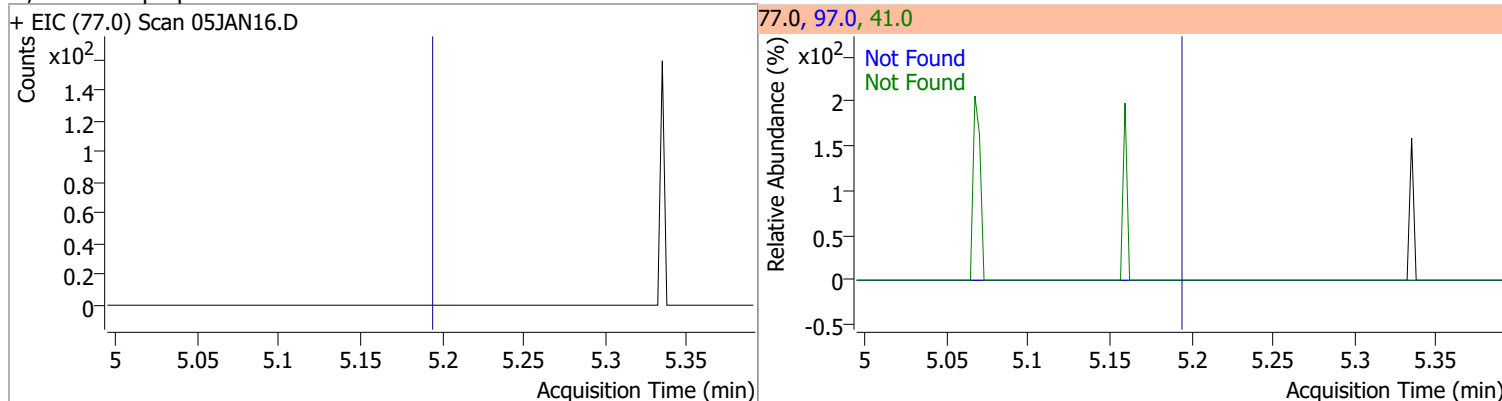
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

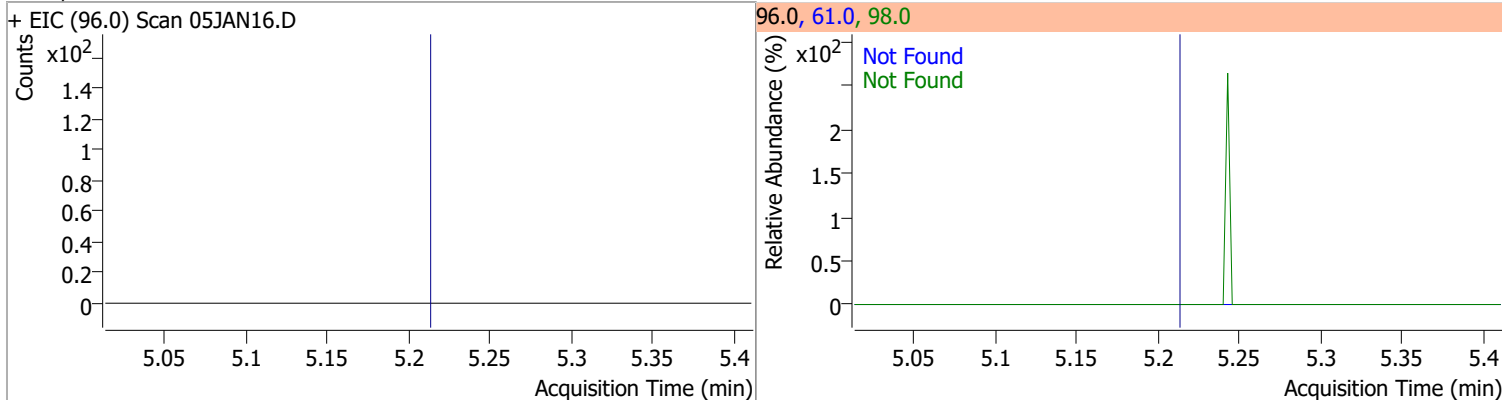


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

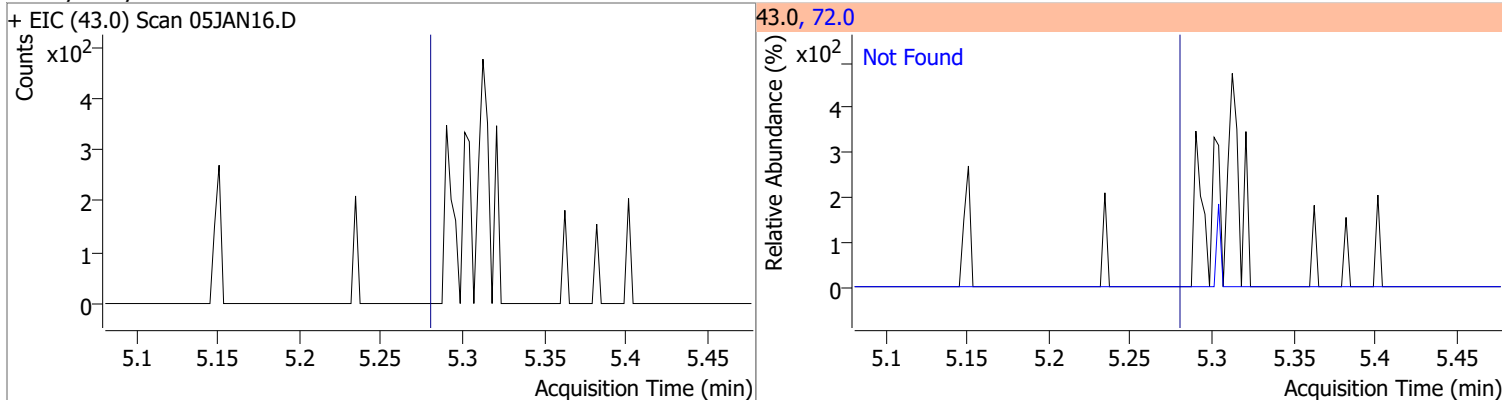


# Quantitation Results Report (QT Reviewed)

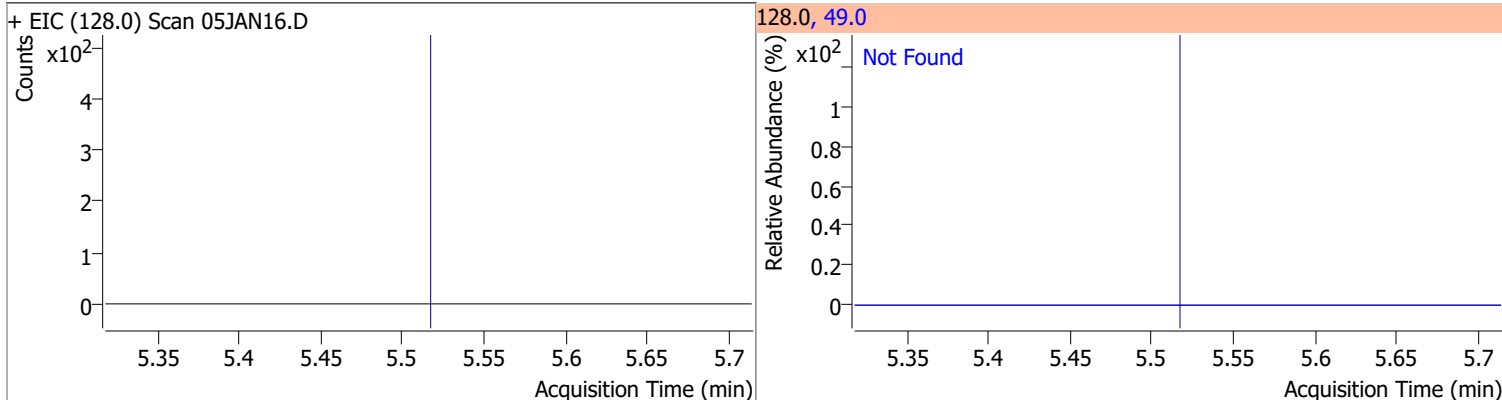
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



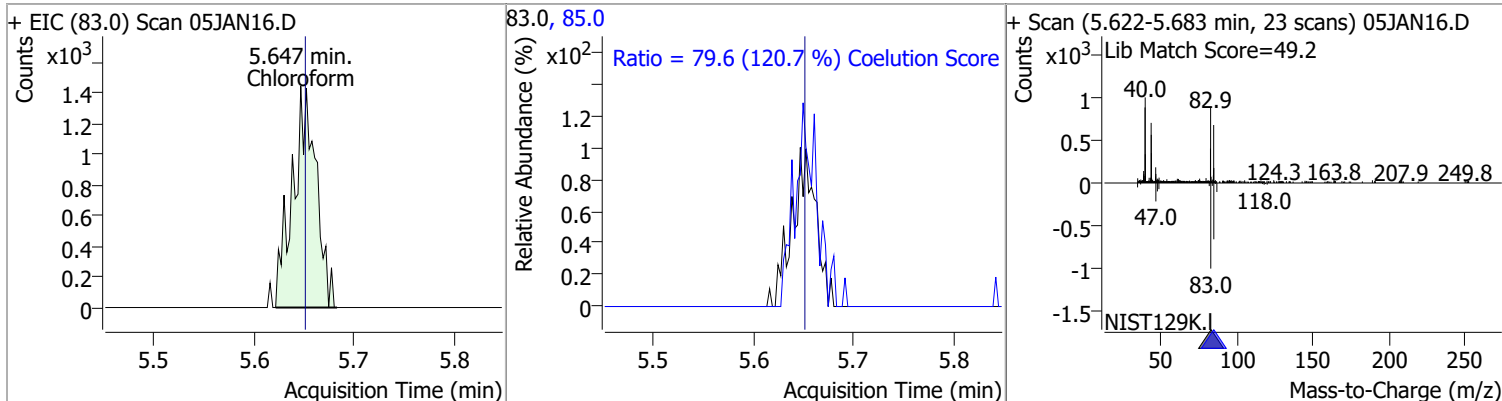
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



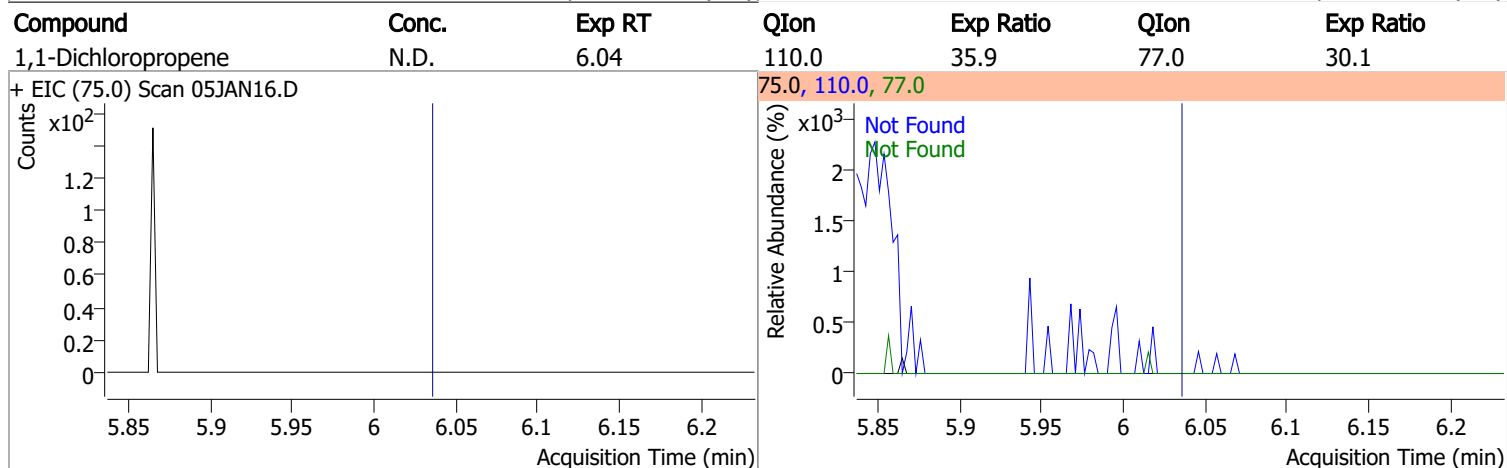
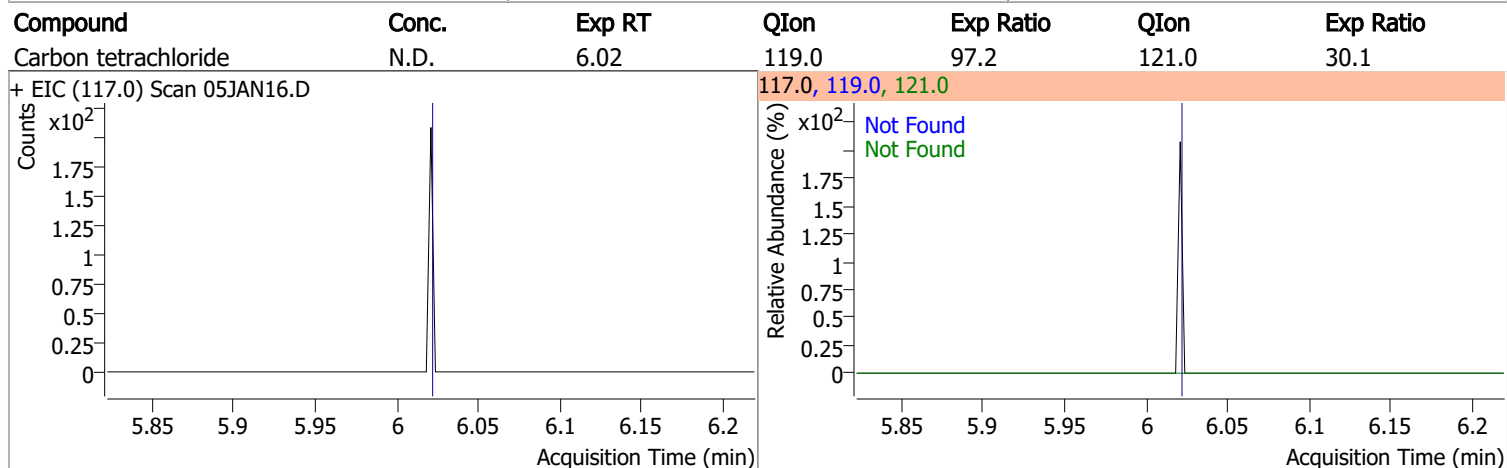
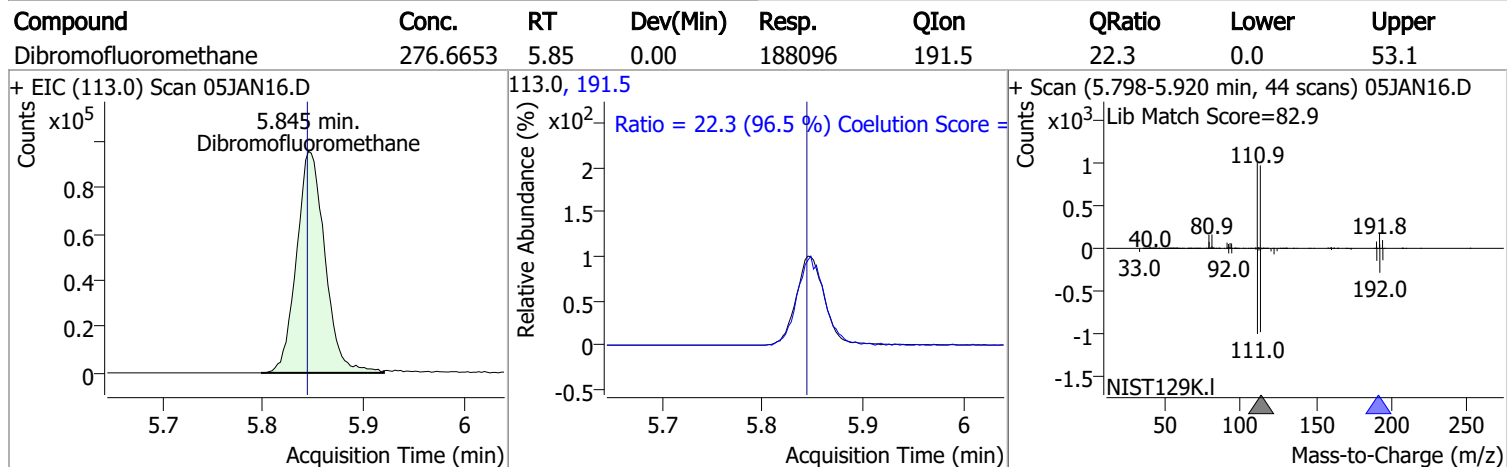
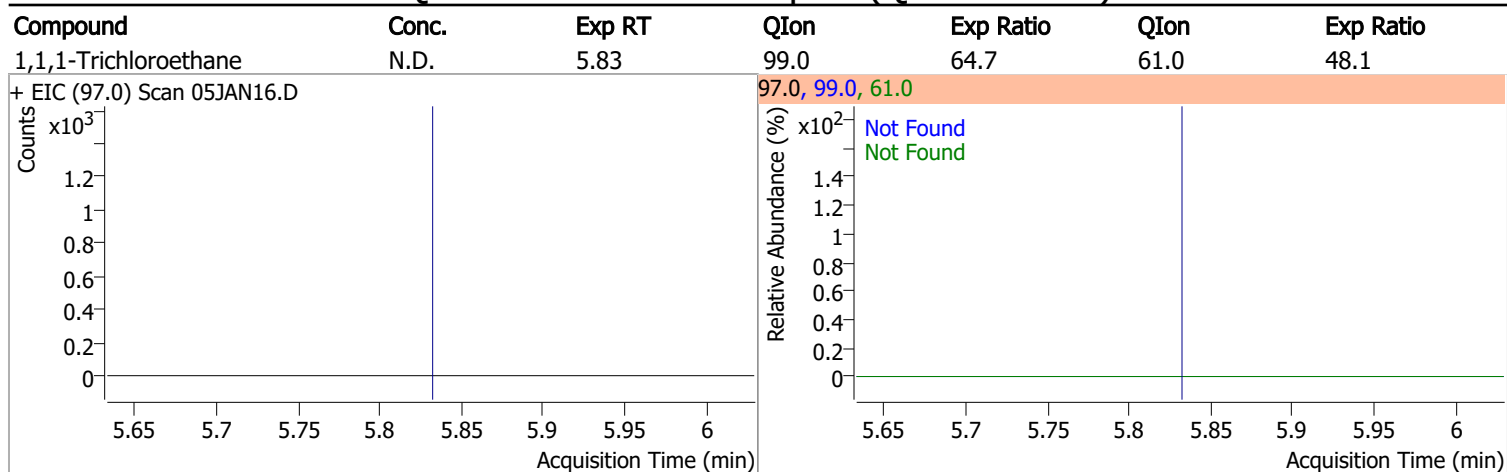
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|--------|------|----------|-------|------|--------|-------|-------|
| Chloroform | 1.7084 | 5.65 | -0.01    | 2347  | 85.0 | 79.6   | 36.0  | 96.0  |

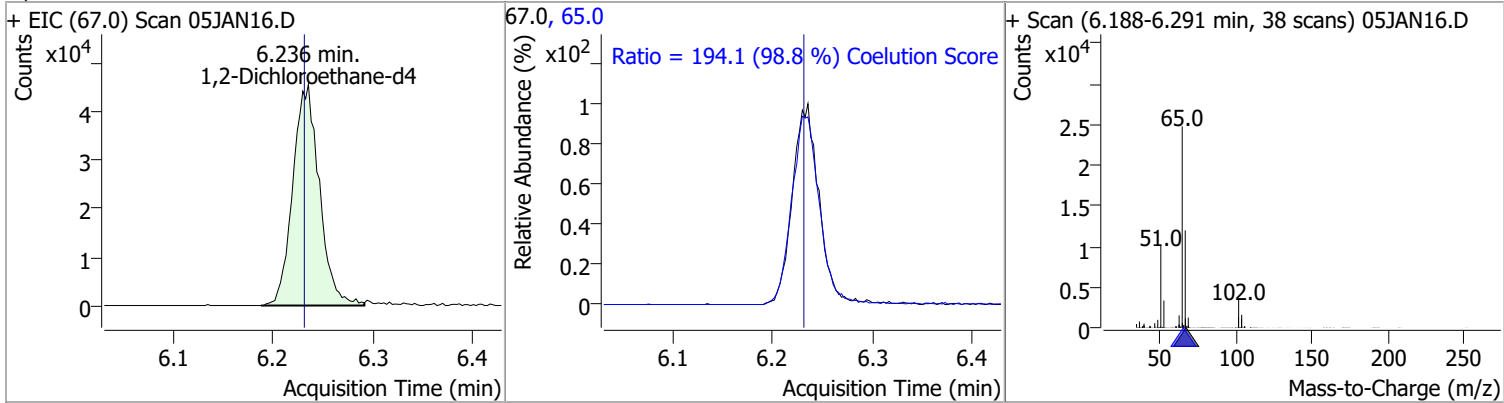


# Quantitation Results Report (QT Reviewed)

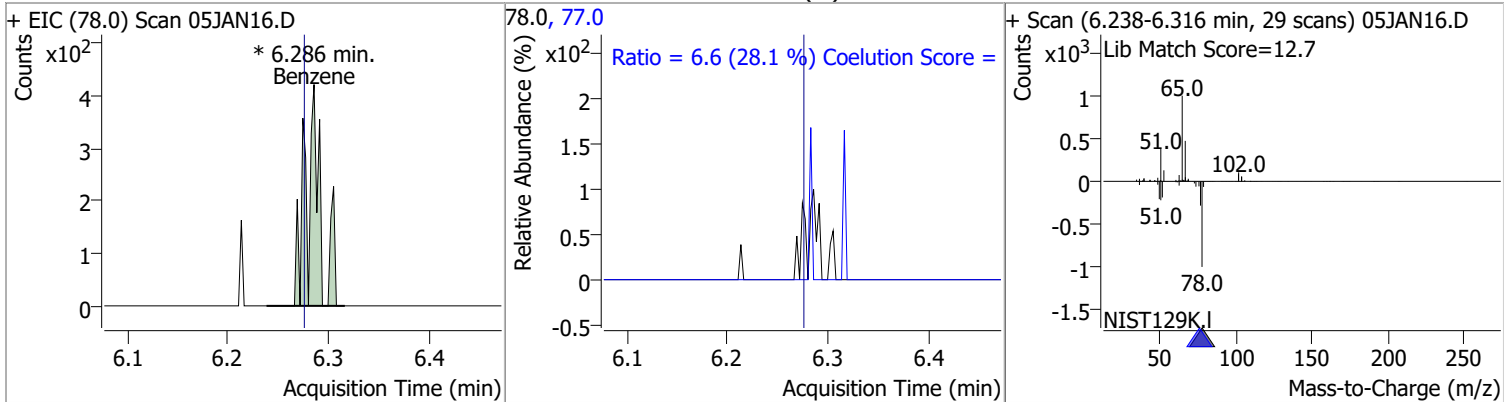


# Quantitation Results Report (QT Reviewed)

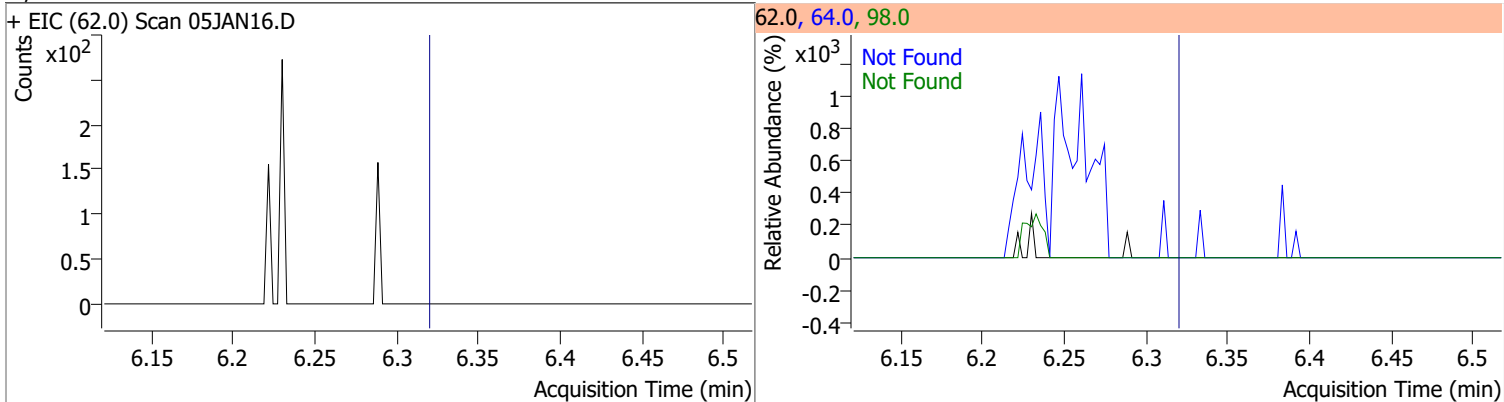
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 284.6308 | 6.24 | 0.00     | 83583 | 65.0 | 194.1  | 166.5 | 226.5 |



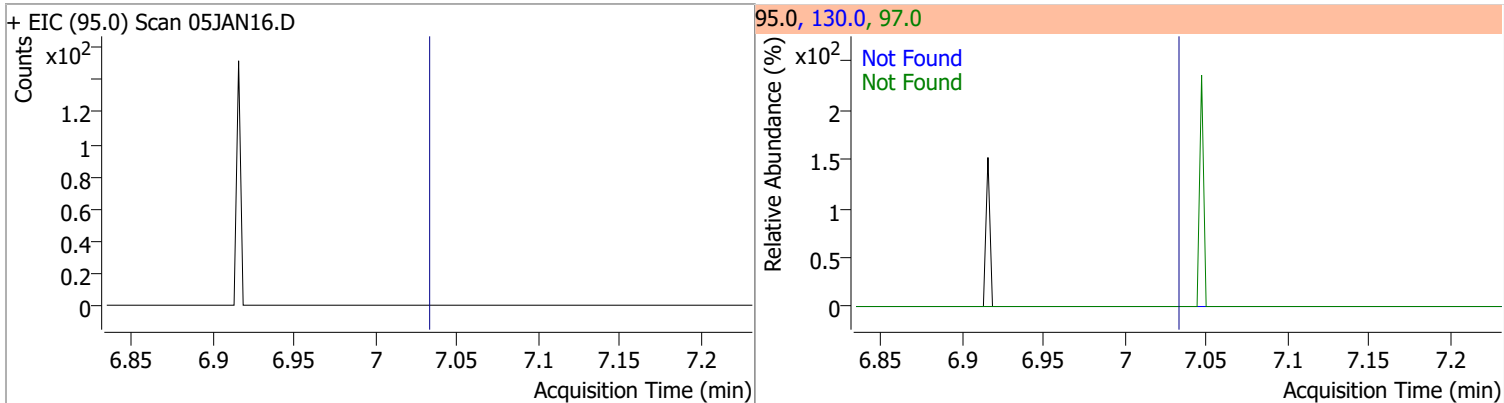
| Compound | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 0.1466 | 6.29 | 0.01     | 421 (m) | 77.0 | 6.6    | 0.0   | 53.5  |



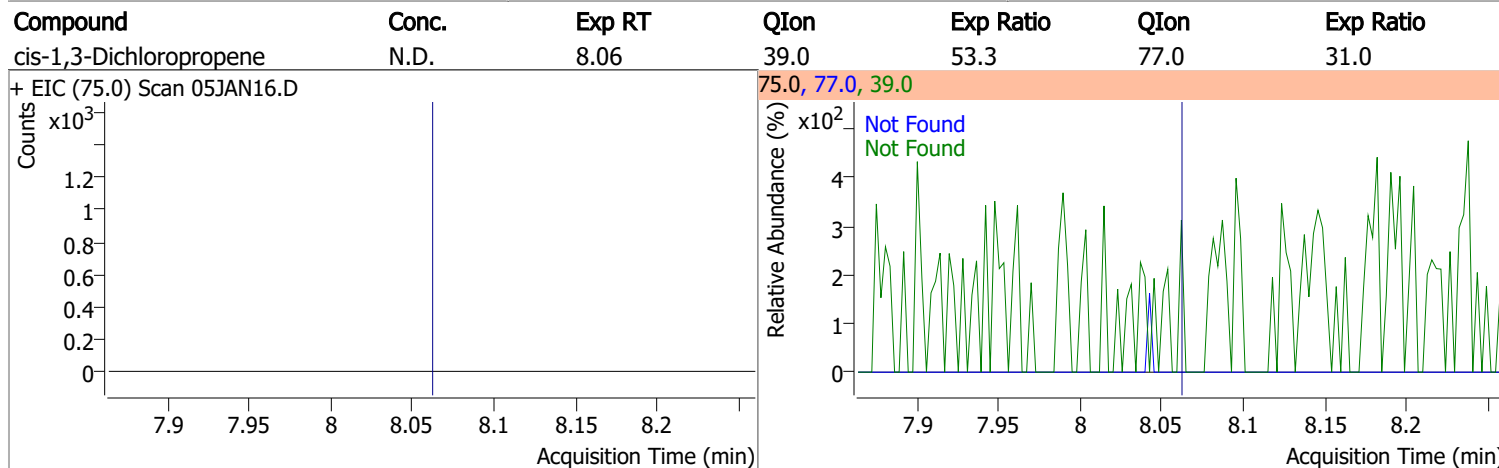
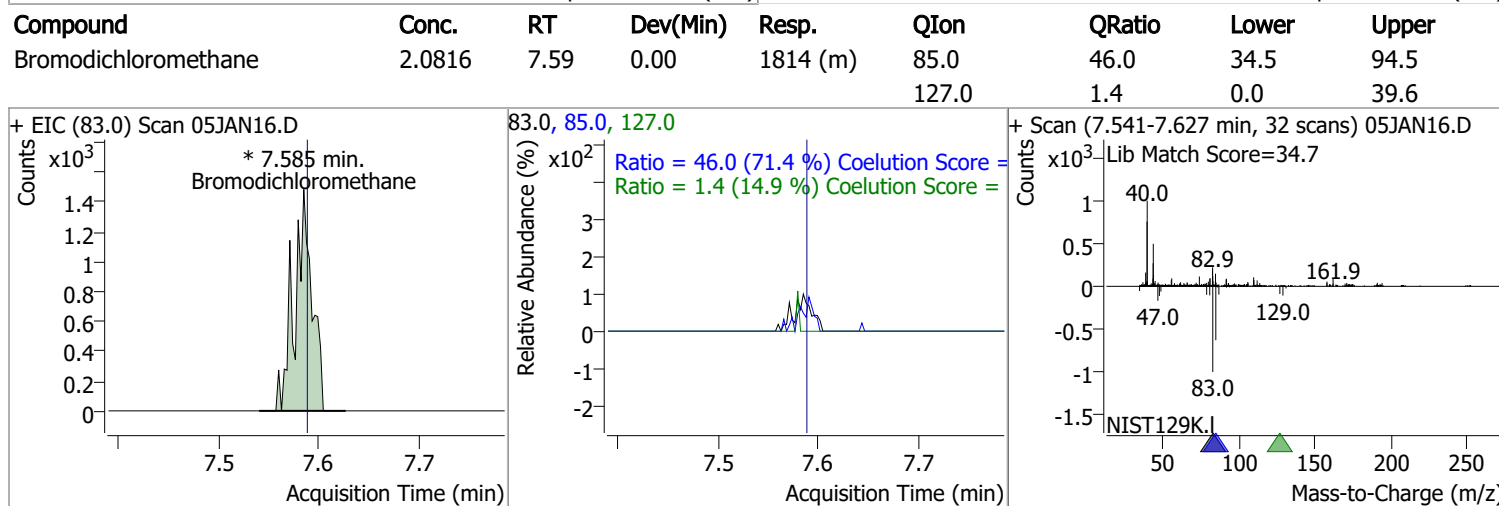
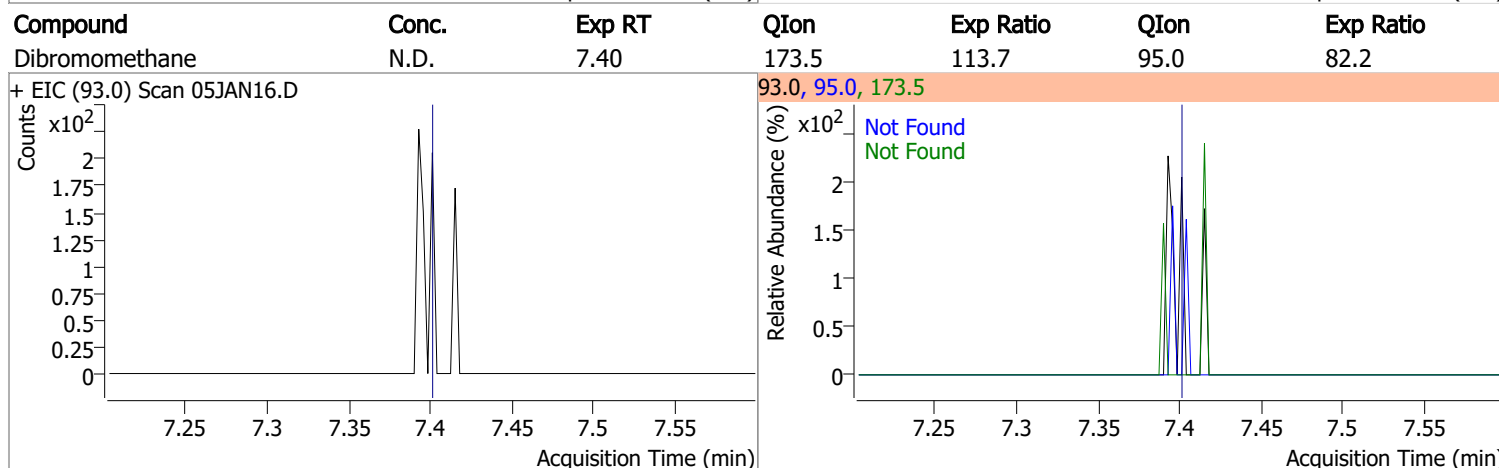
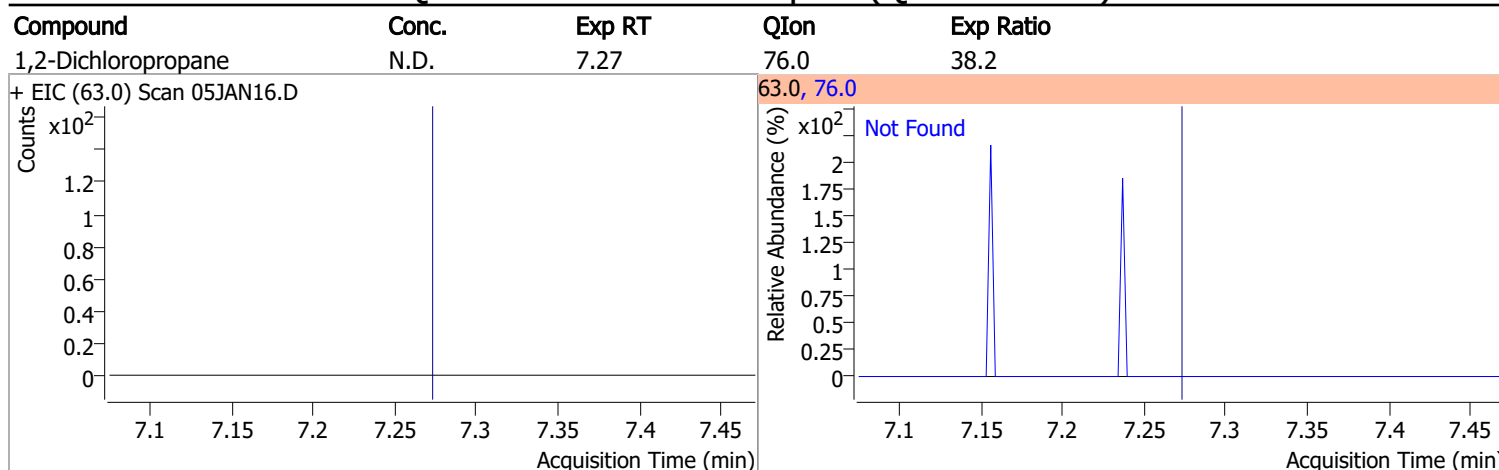
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

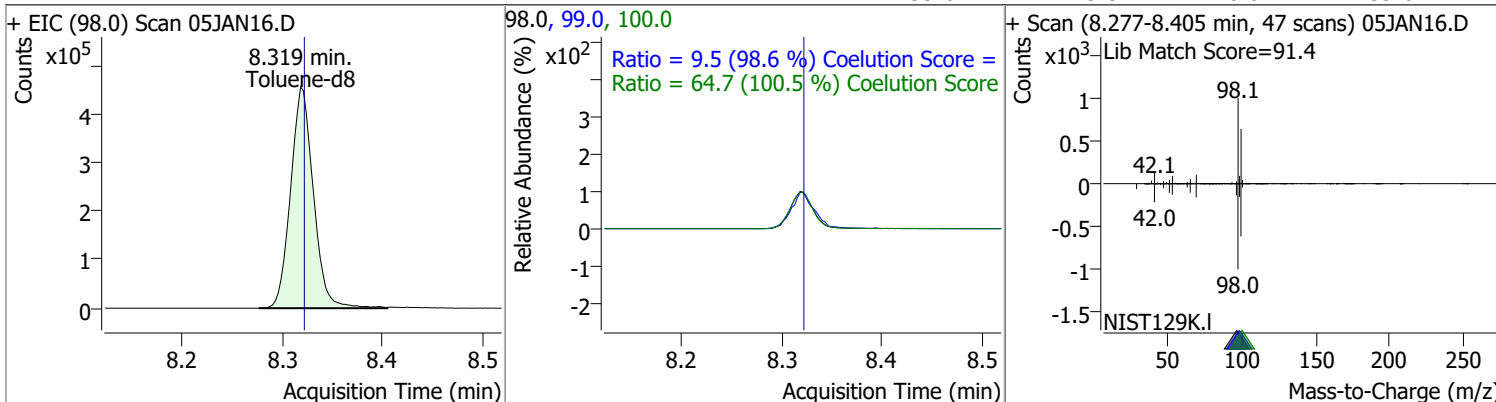


# Quantitation Results Report (QT Reviewed)

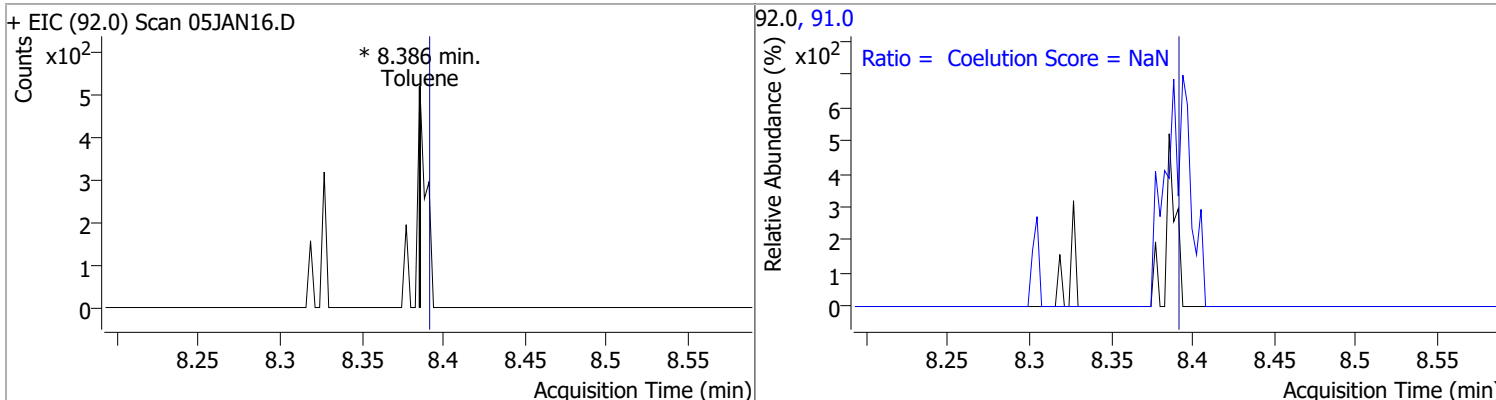


# Quantitation Results Report (QT Reviewed)

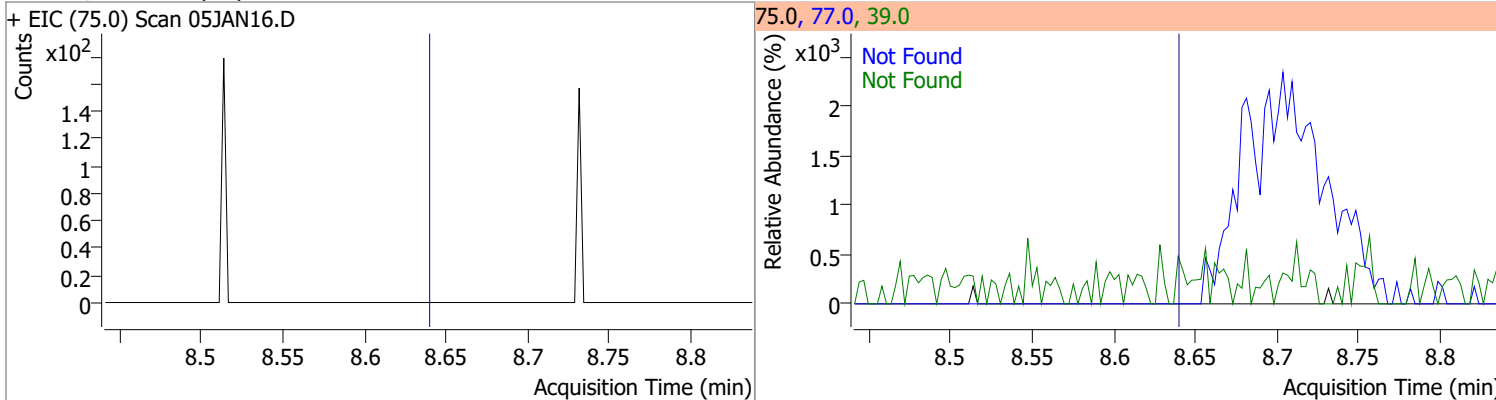
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 265.6225 | 8.32 | 0.00     | 720822 | 100.0 | 64.7   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.5    | 0.0   | 39.6  |



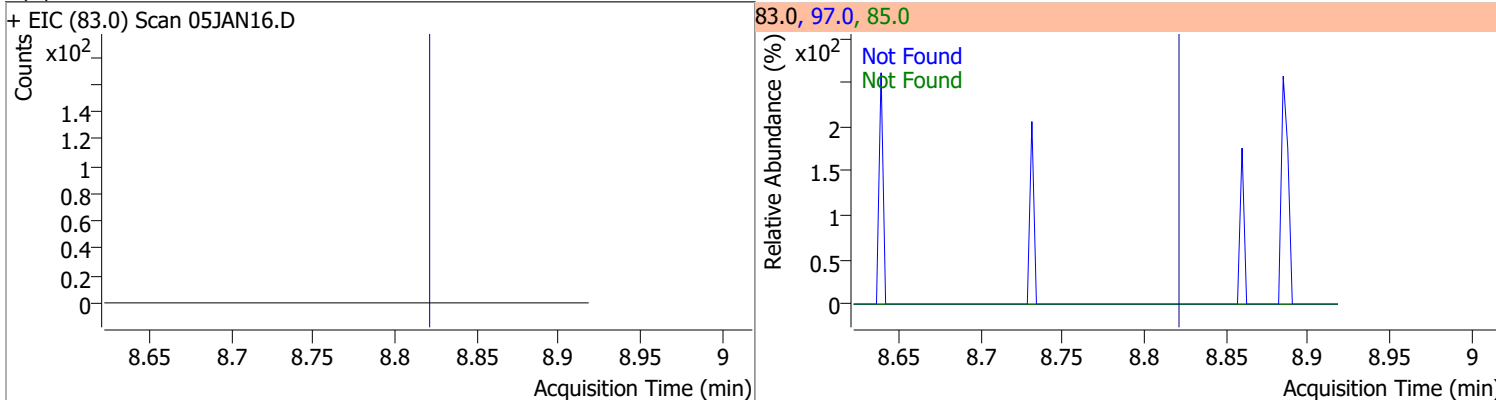
| Compound | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|-------|----|----------|-------|------|--------|-------|-------|
| Toluene  | 0     | 0  | 0        | 0     | 91.0 |        | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

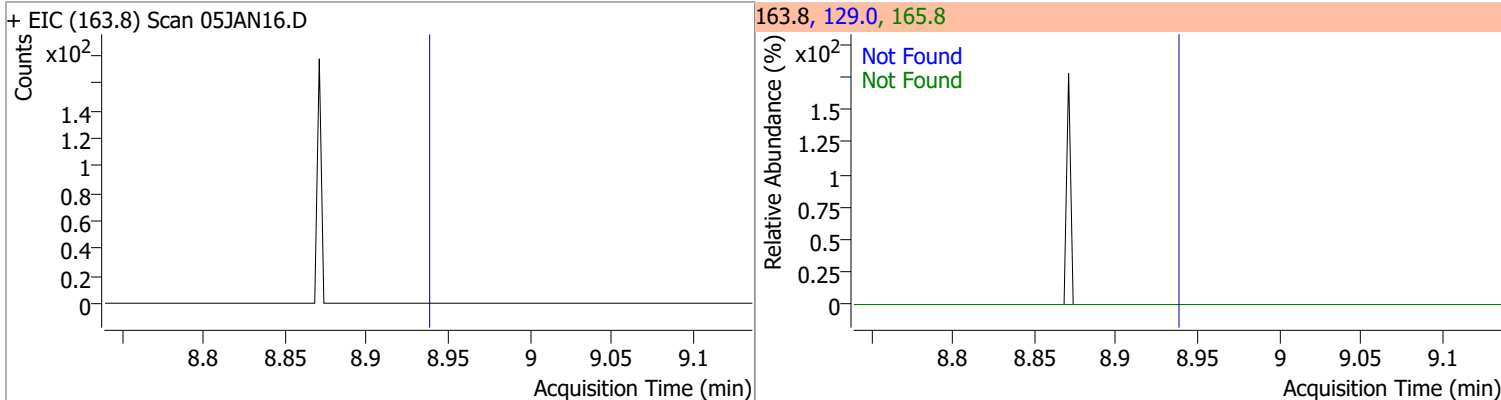


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

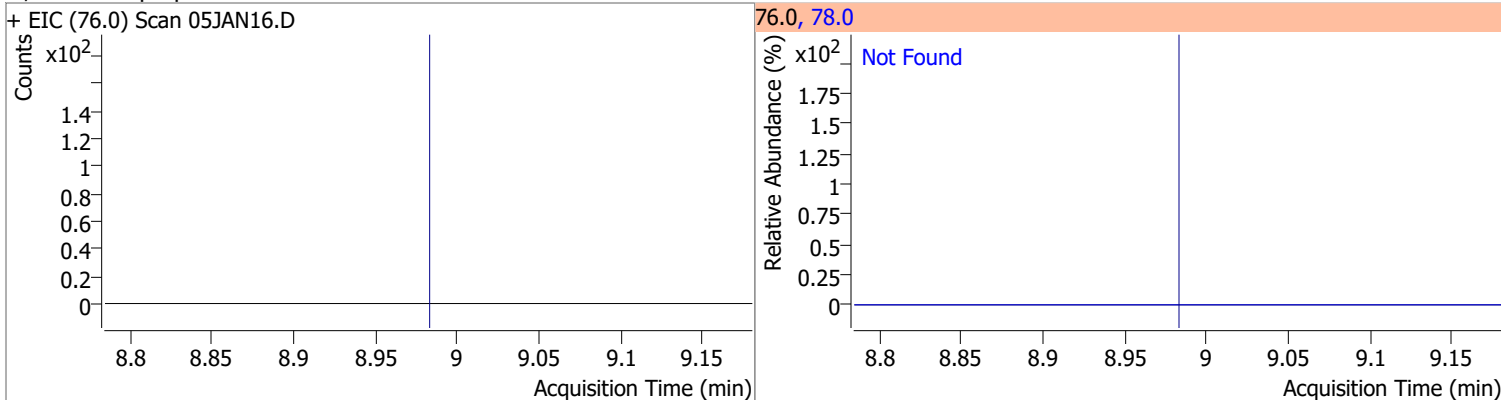


# Quantitation Results Report (QT Reviewed)

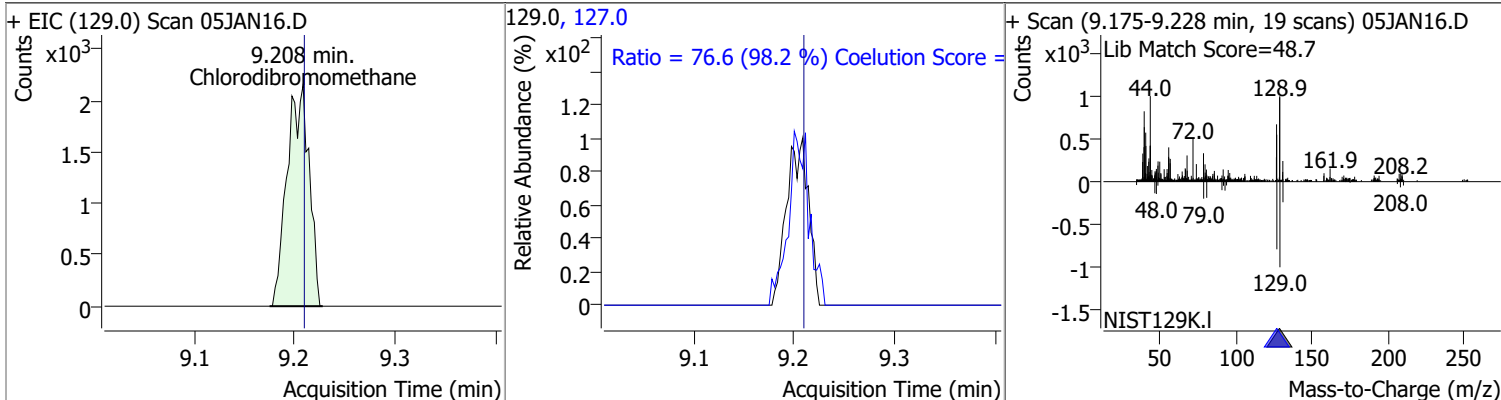
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



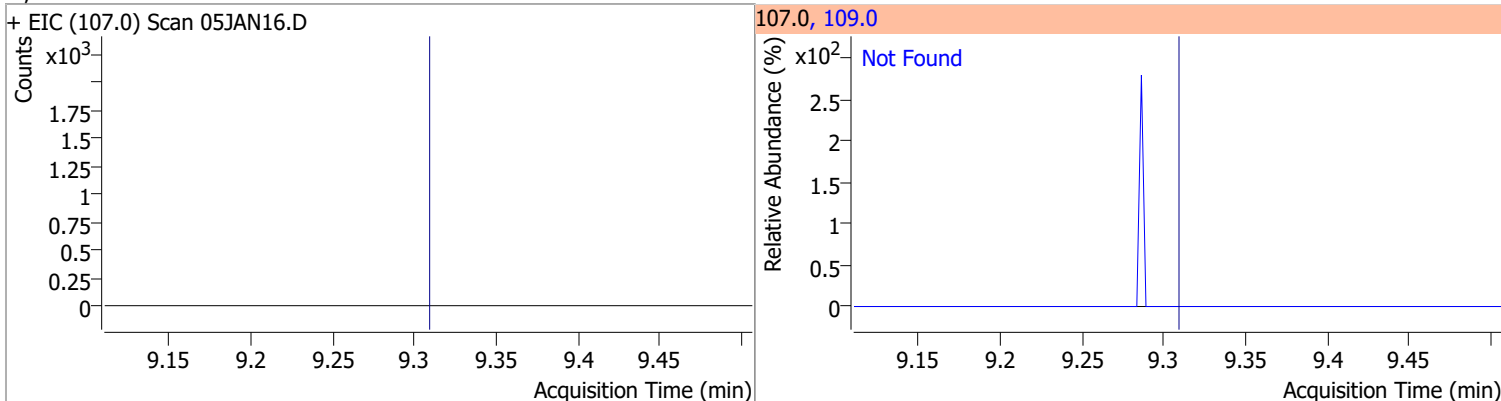
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



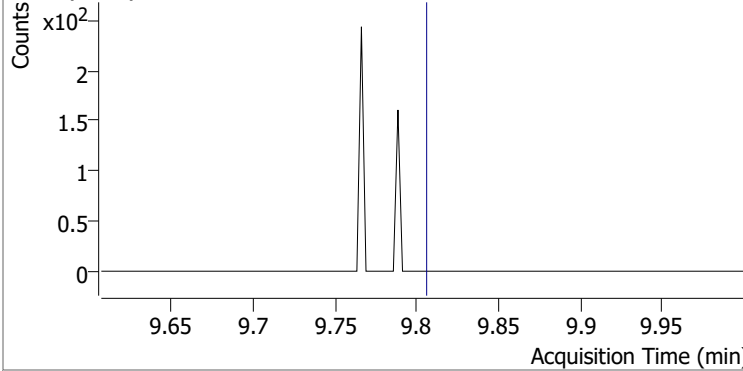
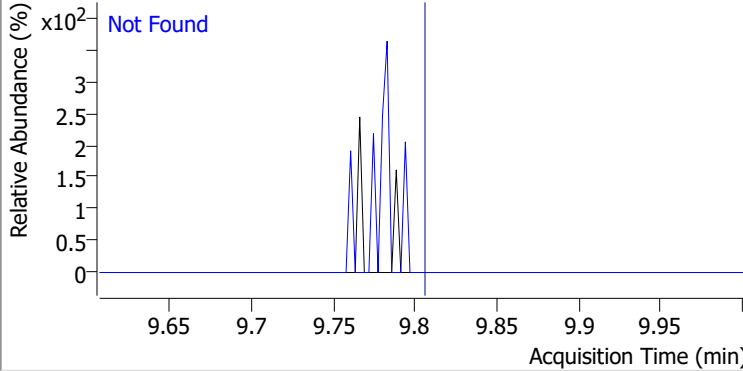
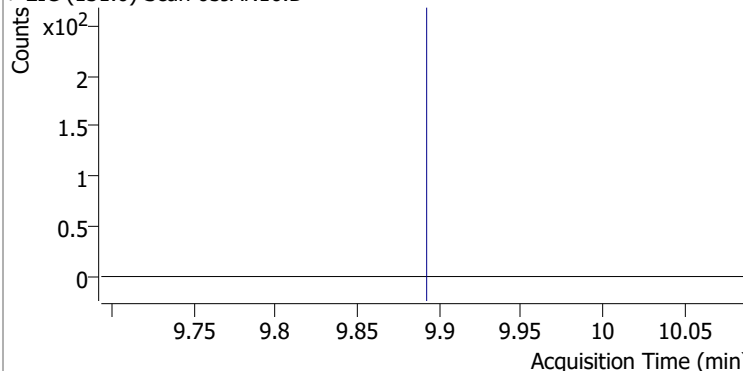
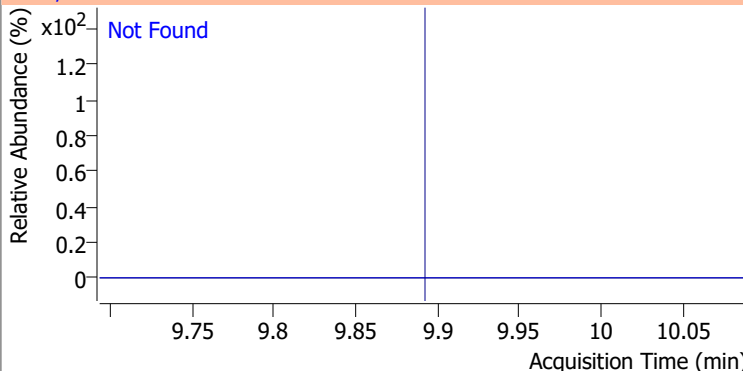
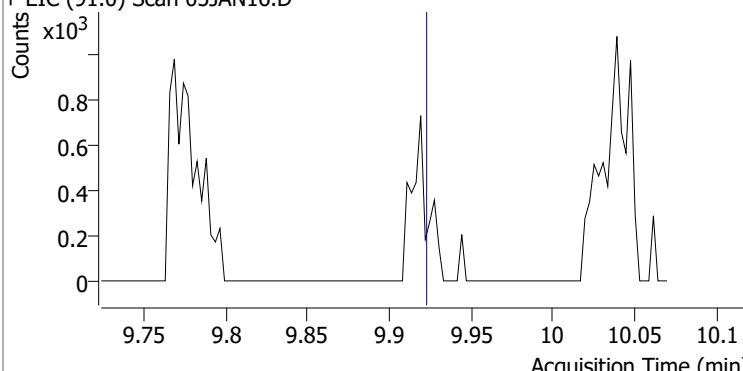
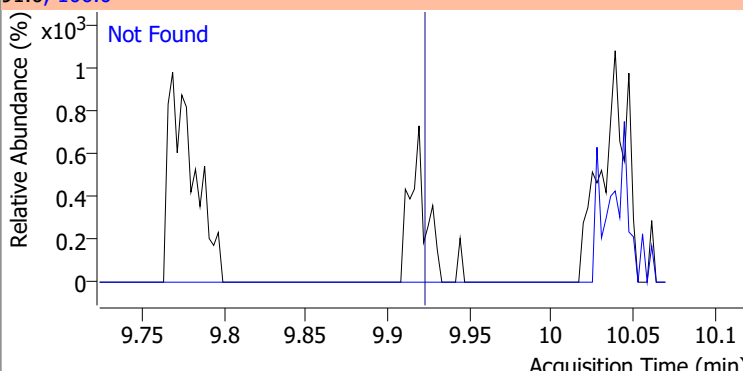
| Compound             | Conc.  | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|--------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 5.7496 | 9.21 | 0.00     | 3282  | 127.0 | 76.6   | 48.0  | 108.0 |

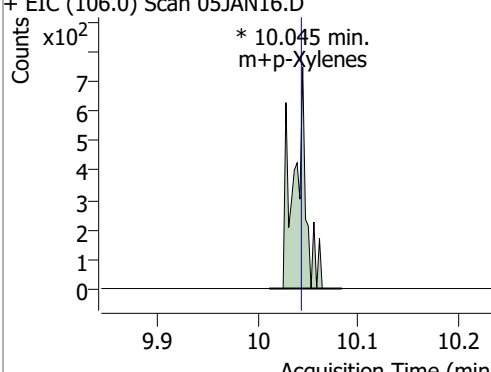
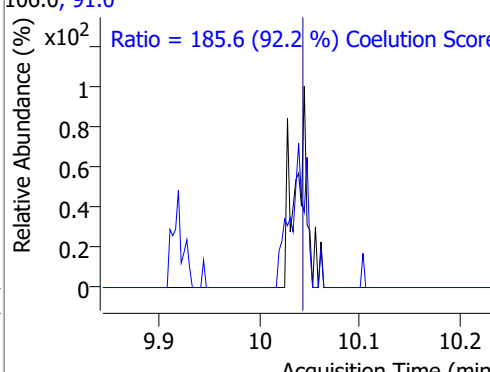
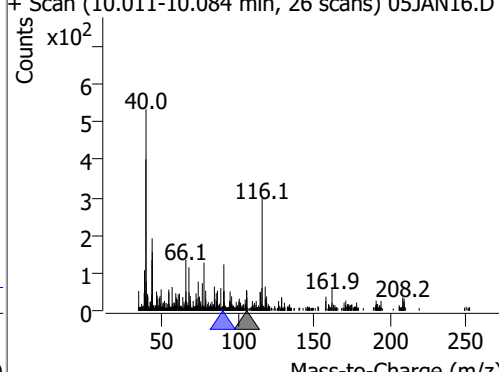


| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |



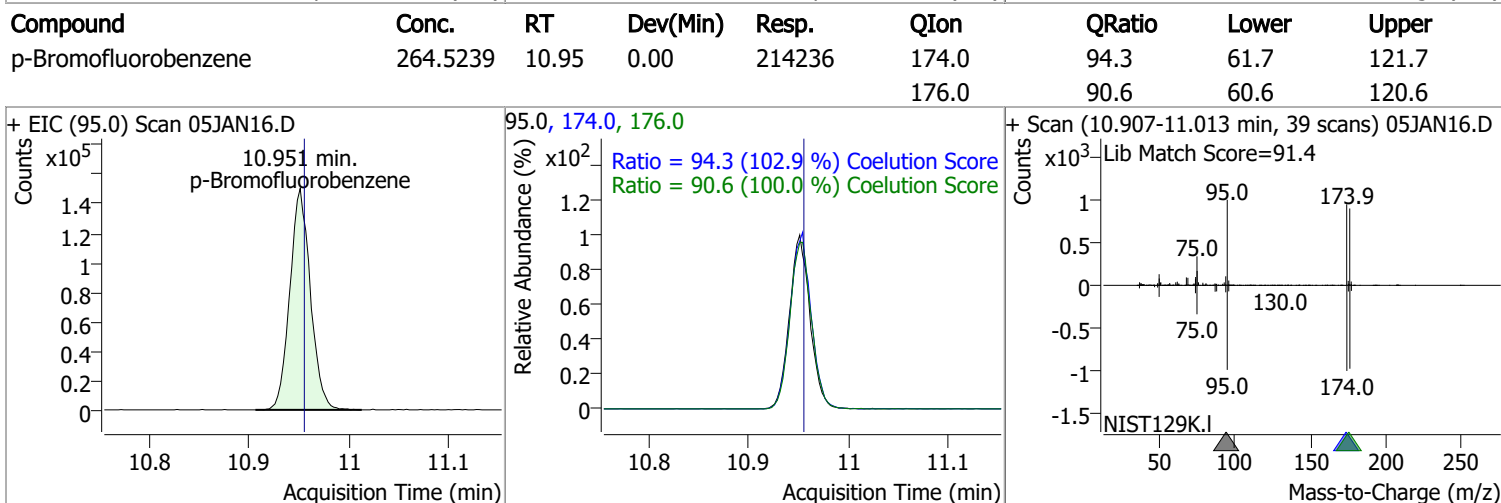
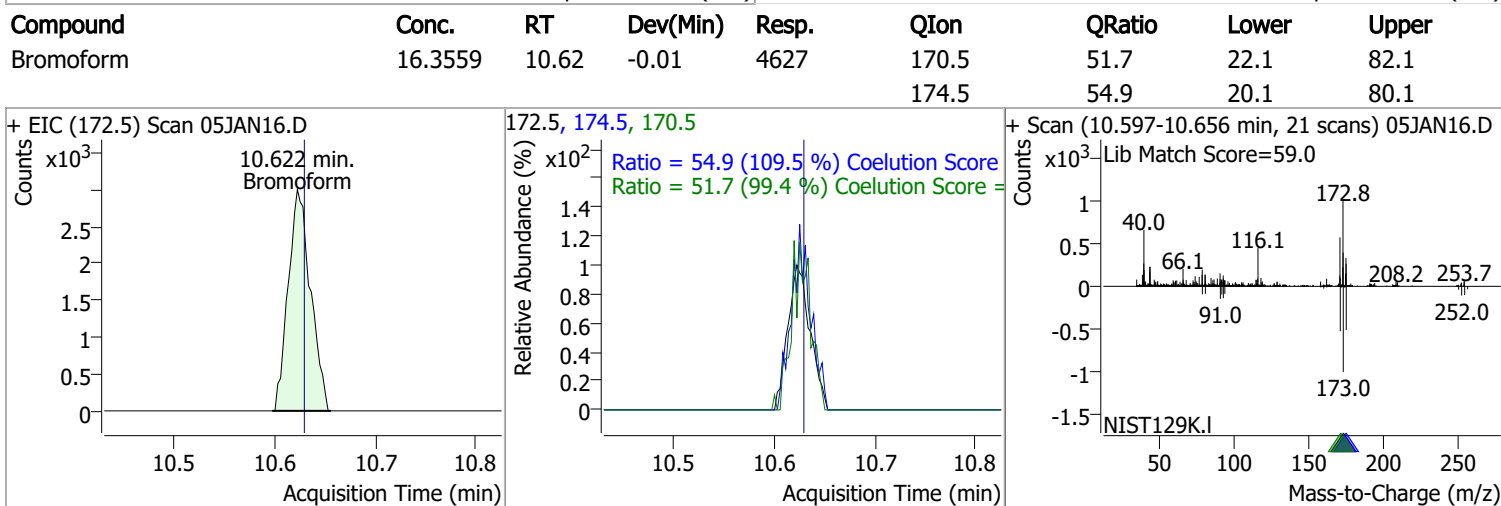
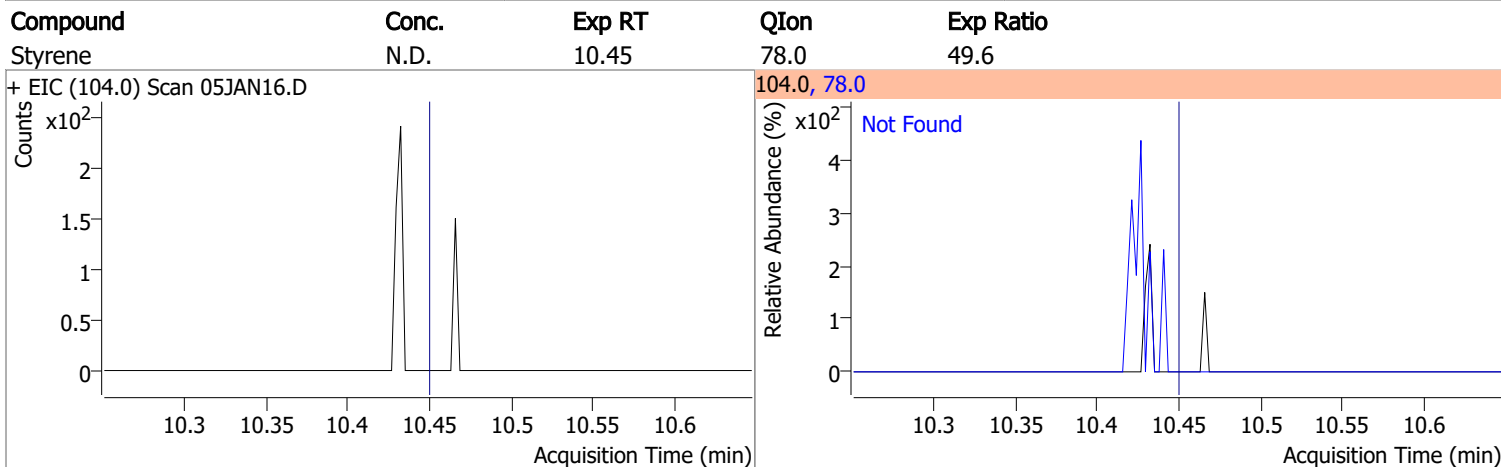
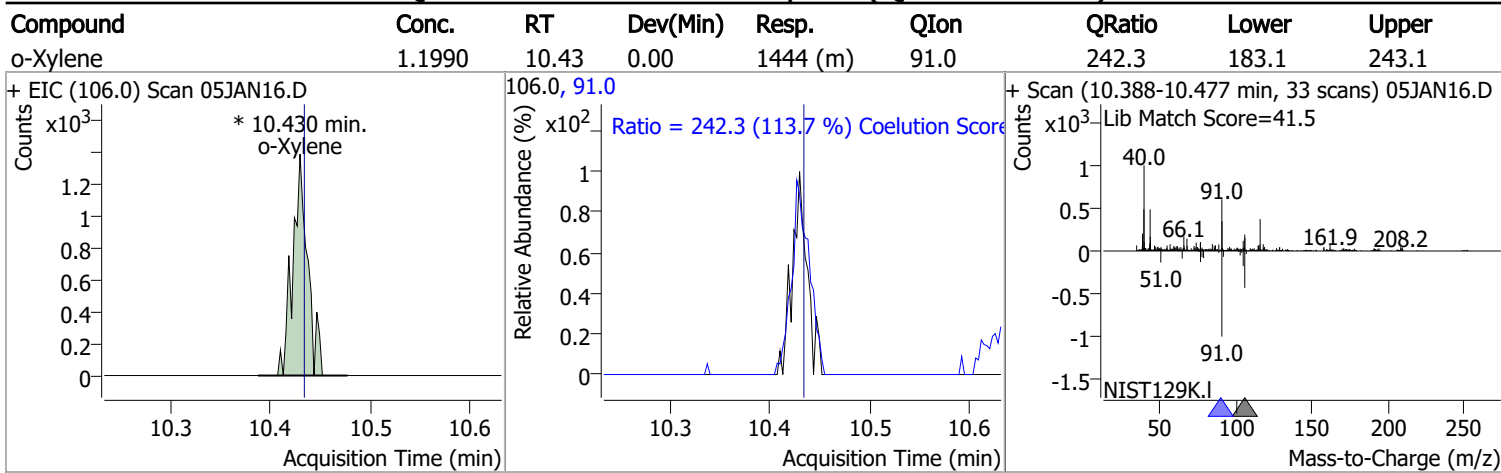
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc.  | Exp RT | QIon         | Exp Ratio |
|--|--|--------|--------------|-----------|
| Chlorobenzene  | N.D.   | 9.80   | 114.0        | 32.1      |
| + EIC (112.0) Scan 05JAN16.D   |  |        | 112.0, 114.0 |           |
|    |    |        |              |           |
| 1,1,1,2-Tetrachloroethane  | N.D.   | 9.89   | 133.0        | 98.6      |
| + EIC (131.0) Scan 05JAN16.D   |  |        | 131.0, 133.0 |           |
|   |   |        |              |           |
| Ethylbenzene   | N.D.   | 9.92   | 106.0        | 31.1      |
| + EIC (91.0) Scan 05JAN16.D  |  |        | 91.0, 106.0  |           |
|  |  |        |              |           |

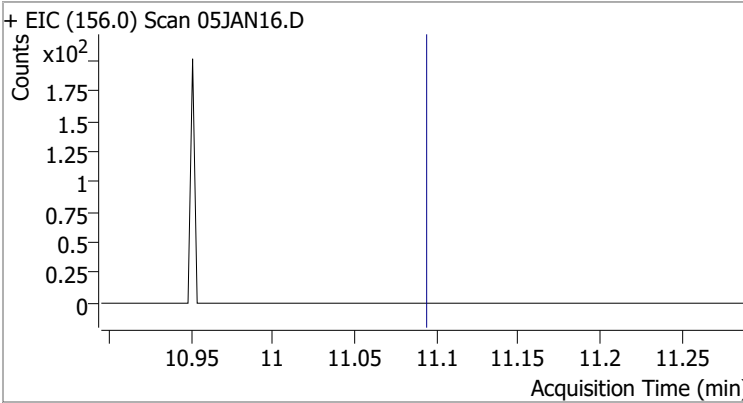
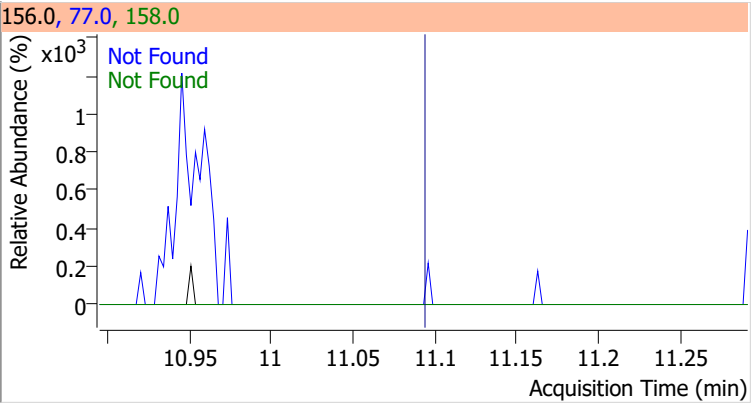
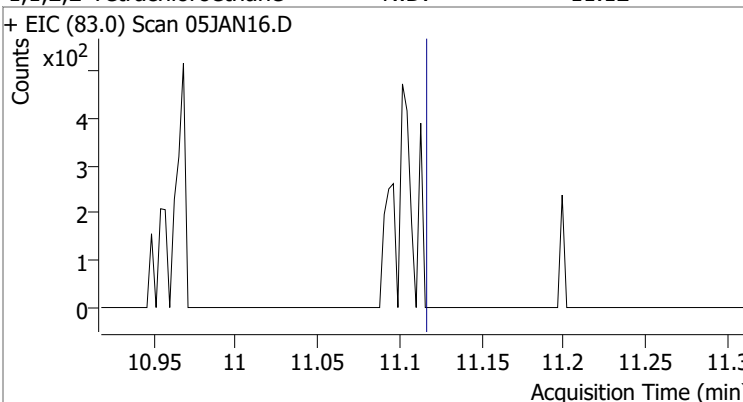
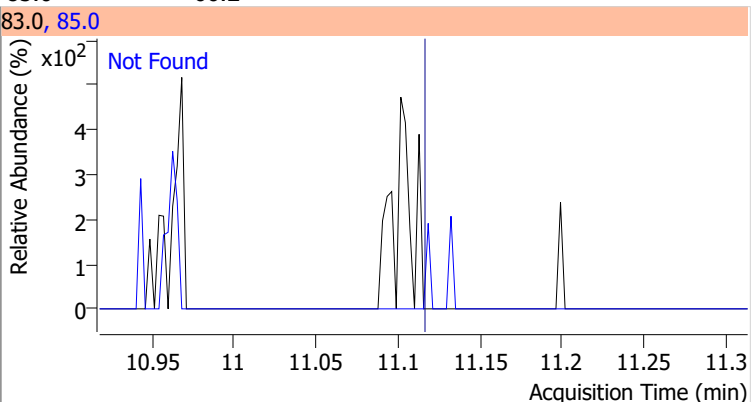
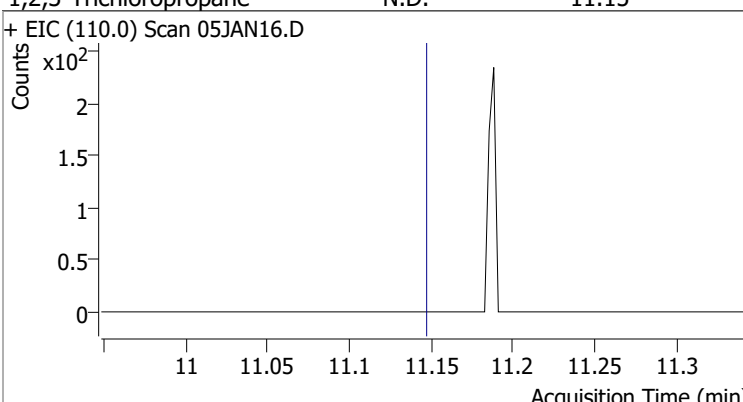
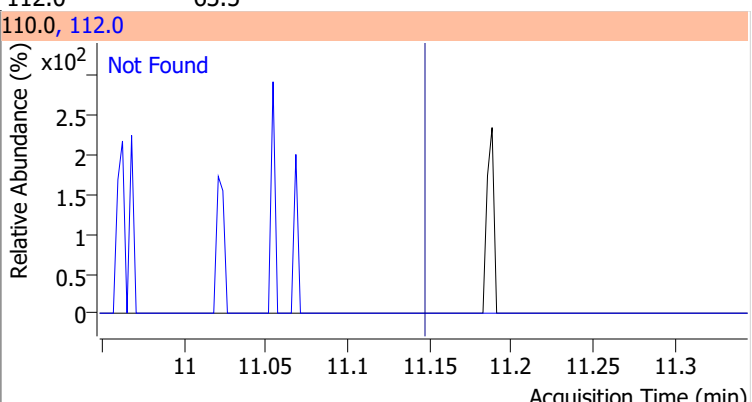
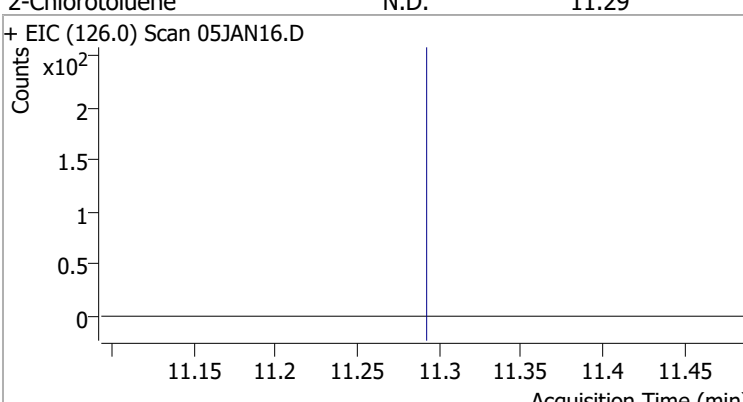
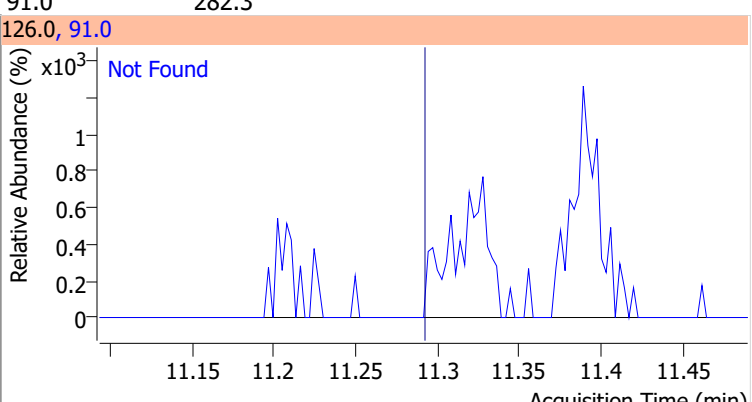
| Compound   | Conc.  | RT    | Dev(Min)  | Resp.   | QIon | QRatio | Lower | Upper |
|--|--|-------|---|---------|------|--------|-------|-------|
| m+p-Xylenes  | 0.4778   | 10.04 | 0.01  | 646 (m) | 91.0 | 185.6  | 171.4 | 231.4 |
| + EIC (106.0) Scan 05JAN16.D   |  |       | 106.0, 91.0   |         |      |        |       |       |
|  |  |       |  |         |      |        |       |       |



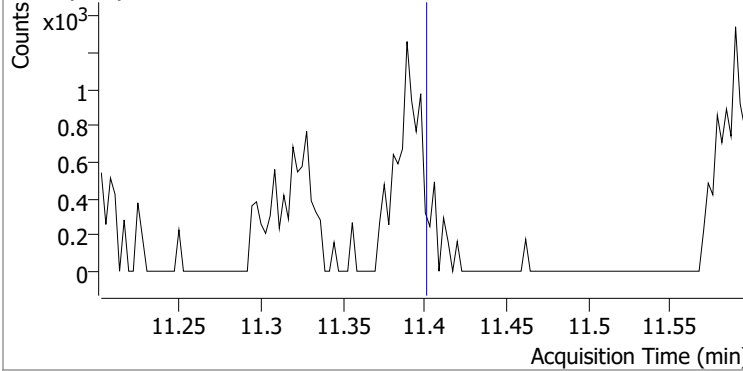
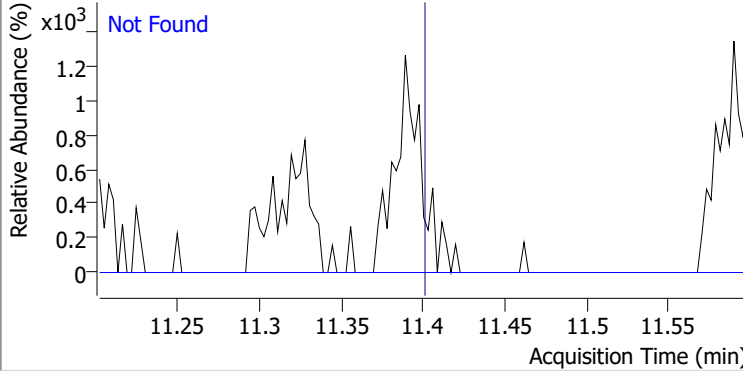
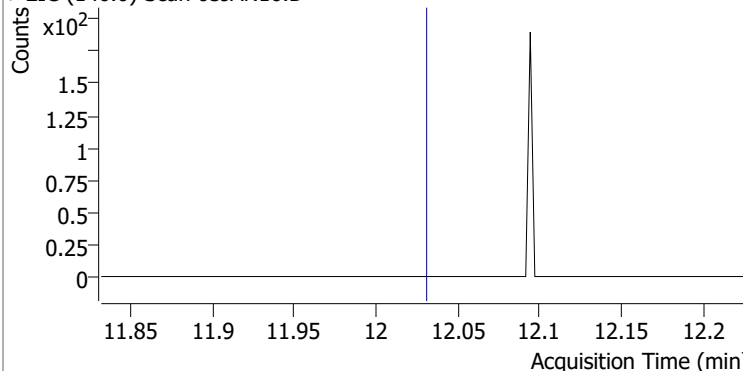
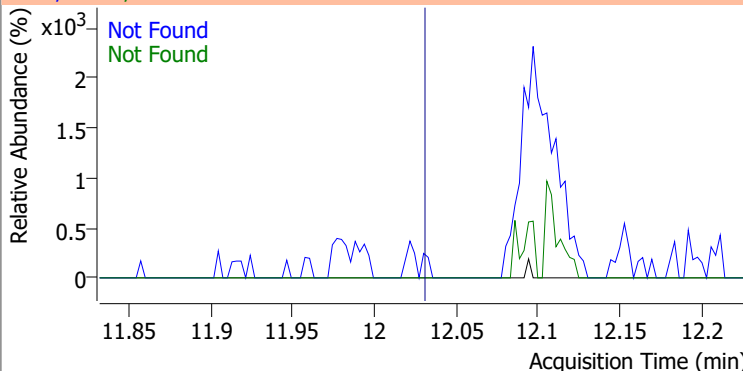
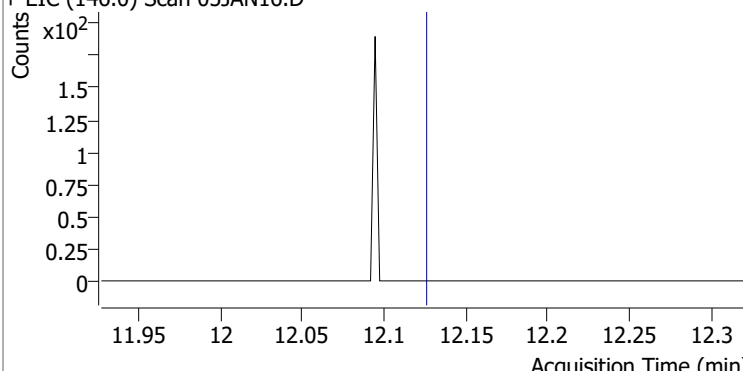
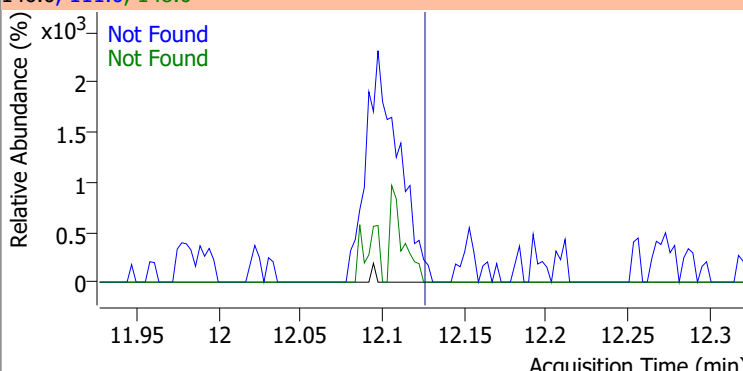
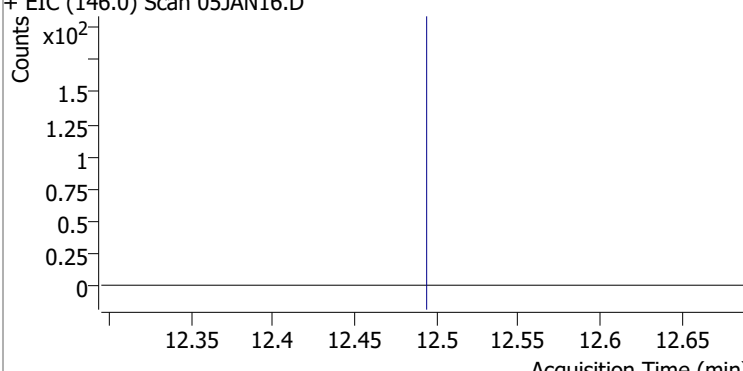
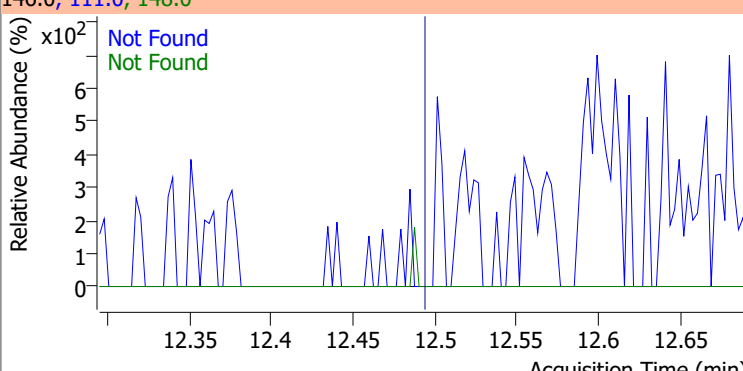
# Quantitation Results Report (QT Reviewed)



# Quantitation Results Report (QT Reviewed)

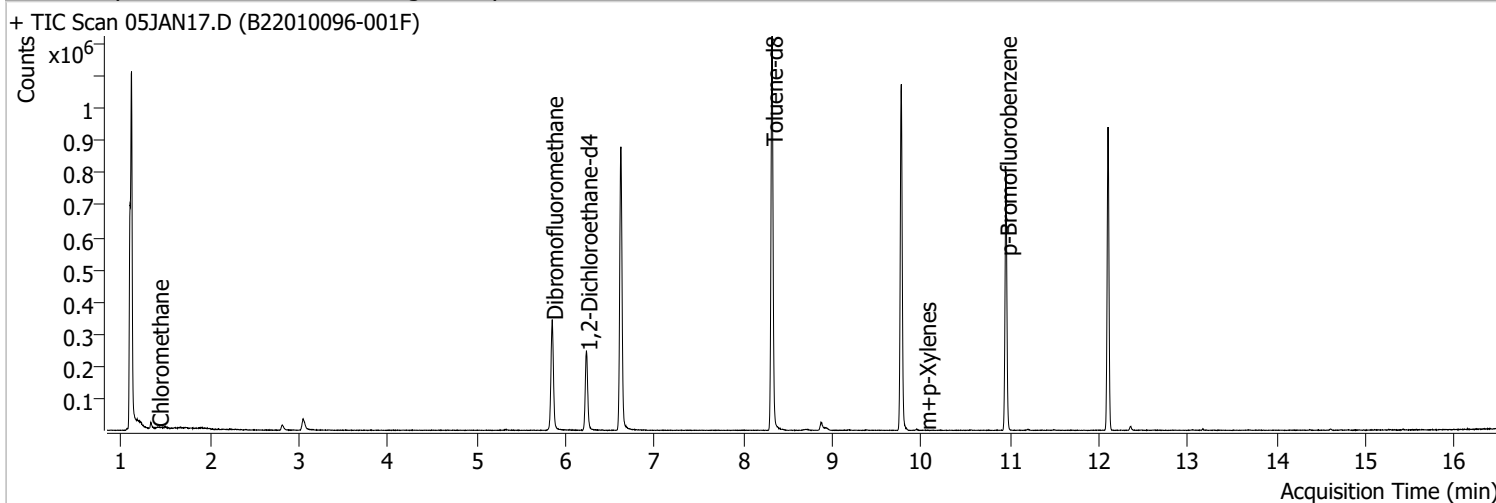
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN16.D   |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN16.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN16.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN16.D   |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

| Compound                     | Conc. | Exp RT | QIon   | Exp Ratio | QIon        | Exp Ratio |
|------------------------------|-------|--------|--|-----------|-------------|-----------|
| 4-Chlorotoluene              | N.D.  | 11.40  | 126.0  | 31.7      | 91.0, 126.0 |           |
| + EIC (91.0) Scan 05JAN16.D  |       |        |      |           |             |           |
|                              |       |        |    |           |             |           |
| 1,3-Dichlorobenzene          | N.D.  | 12.03  | 148.0  | 63.6      | 111.0       | 39.8      |
| + EIC (146.0) Scan 05JAN16.D |       |        |     |           |             |           |
|                              |       |        |   |           |             |           |
| 1,4-Dichlorobenzene          | N.D.  | 12.13  | 148.0  | 63.1      | 111.0       | 39.1      |
| + EIC (146.0) Scan 05JAN16.D |       |        |    |           |             |           |
|                              |       |        |  |           |             |           |
| 1,2-Dichlorobenzene          | N.D.  | 12.49  | 148.0  | 63.9      | 111.0       | 41.0      |
| + EIC (146.0) Scan 05JAN16.D |       |        |    |           |             |           |
|                              |       |        |  |           |             |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN17.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 5:22:23 PM   |
| Sample Name    | B22010096-001F                      | Instrument        | VOA5975C              |
| Vial           | 17                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.l |                   |                       |



| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|----------|----|------|-------|-------|-------|----------|
|----------|----|------|-------|-------|-------|----------|

**Internal Standards**

|                          |        |       |        |          |    |        |
|--------------------------|--------|-------|--------|----------|----|--------|
| M Fluorobenzene          | 6.620  | 96.0  | 750361 | 250.0000 | ng | -0.003 |
| M Chlorobenzene-d5       | 9.772  | 82.0  | 288856 | 250.0000 | ng | 0.000  |
| M 1,4-Dichlorobenzene-d4 | 12.100 | 152.0 | 219694 | 250.0000 | ng | 0.000  |

**System Monitoring Compounds**

|                         |                      |       |        |                    |    |        |
|-------------------------|----------------------|-------|--------|--------------------|----|--------|
| S Dibromofluoromethane  | 5.848                | 113.0 | 196559 | 278.0514           | ng | 0.003  |
| Spiked Amount: 250.000  | Range: 80.0 - 119.0% |       |        | Recovery = 111.22% |    |        |
| S 1,2-Dichloroethane-d4 | 6.233                | 67.0  | 87846  | 287.7020           | ng | 0.000  |
| Spiked Amount: 250.000  | Range: 81.0 - 118.0% |       |        | Recovery = 115.08% |    |        |
| S Toluene-d8            | 8.319                | 98.0  | 754001 | 270.8761           | ng | 0.000  |
| Spiked Amount: 250.000  | Range: 89.0 - 112.0% |       |        | Recovery = 108.35% |    |        |
| S p-Bromofluorobenzene  | 10.951               | 95.0  | 219103 | 272.2278           | ng | -0.003 |
| Spiked Amount: 250.000  | Range: 85.0 - 114.0% |       |        | Recovery = 108.89% |    |        |

**Target Compounds**

| Compound                         | RT    | QIon | Resp. | Conc.  | Units | QValue |
|----------------------------------|-------|------|-------|--------|-------|--------|
| T Dichlorodifluoromethane        | 0.000 |      | 0     | N.D.   |       |        |
| T Chloromethane                  | 1.411 | 50.0 | 1055  | 0.8837 | ng m  | 81     |
| T Vinyl chloride                 | 0.000 |      | 0     | N.D.   |       |        |
| T Bromomethane                   | 0.000 |      | 0     | N.D.   |       |        |
| T Chloroethane                   | 0.000 |      | 0     | N.D.   |       |        |
| T Trichlorofluoromethane         | 0.000 |      | 0     | N.D.   |       |        |
| T 1,1-Dichloroethene             | 0.000 |      | 0     | N.D.   |       |        |
| T Methylene chloride             | 3.333 | 49.0 | 0     |        | ng md | 1      |
| T trans-1,2-Dichloroethene       | 0.000 |      | 0     | N.D.   |       |        |
| T Methyl tert-butyl ether (MTBE) | 0.000 |      | 0     | N.D.   |       |        |
| T 1,1-Dichloroethane             | 0.000 |      | 0     | N.D.   |       |        |
| T 2,2-Dichloropropane            | 0.000 |      | 0     | N.D.   |       |        |
| T cis-1,2-Dichloroethene         | 0.000 |      | 0     | N.D.   |       |        |
| T Methyl ethyl ketone            | 0.000 |      | 0     | N.D.   |       |        |
| T Bromochloromethane             | 0.000 |      | 0     | N.D.   |       |        |
| T Chloroform                     | 0.000 |      | 0     | N.D.   |       |        |

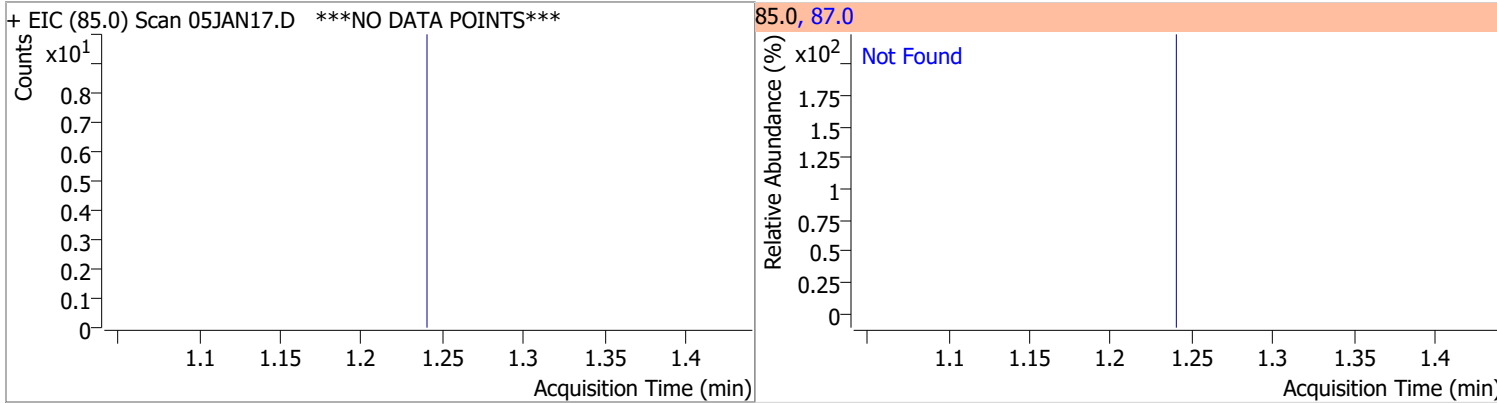
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.  | Units |    | Dev(Min) |
|-----------------------------|--------|-------|-------|--------|-------|----|----------|
| T 1,1,1-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |    |          |
| T Carbon tetrachloride      | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1-Dichloropropene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Benzene                   | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichloroethane        | 0.000  |       | 0     | N.D.   |       |    |          |
| T Trichloroethene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Dibromomethane            | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromodichloromethane      | 0.000  |       | 0     | N.D.   |       |    |          |
| T cis-1,3-Dichloropropene   | 0.000  |       | 0     | N.D.   |       |    |          |
| T Toluene                   | 0.000  |       | 0     | N.D.   |       |    |          |
| T trans-1,3-Dichloropropene | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,2-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |    |          |
| T Tetrachloroethene         | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Chlorodibromomethane      | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dibromoethane         | 0.000  |       | 0     | N.D.   |       |    |          |
| T Chlorobenzene             | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,1,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |    |          |
| T Ethylbenzene              | 9.914  | 91.0  | 0     |        | ng    | md | 1        |
| T m+p-Xylenes               | 10.042 | 106.0 | 64    | 0.0463 | ng    | m  | 99       |
| T o-Xylene                  | 0.000  |       | 0     | N.D.   |       |    |          |
| T Styrene                   | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromoform                 | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromobenzene              | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,2,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.   |       |    |          |
| T 2-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 4-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,4-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |

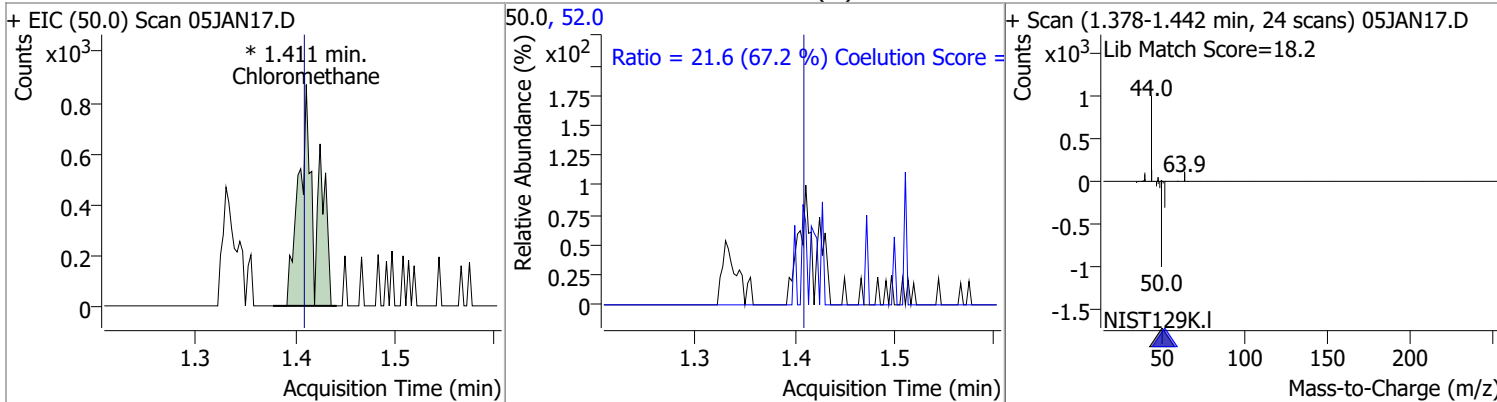
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

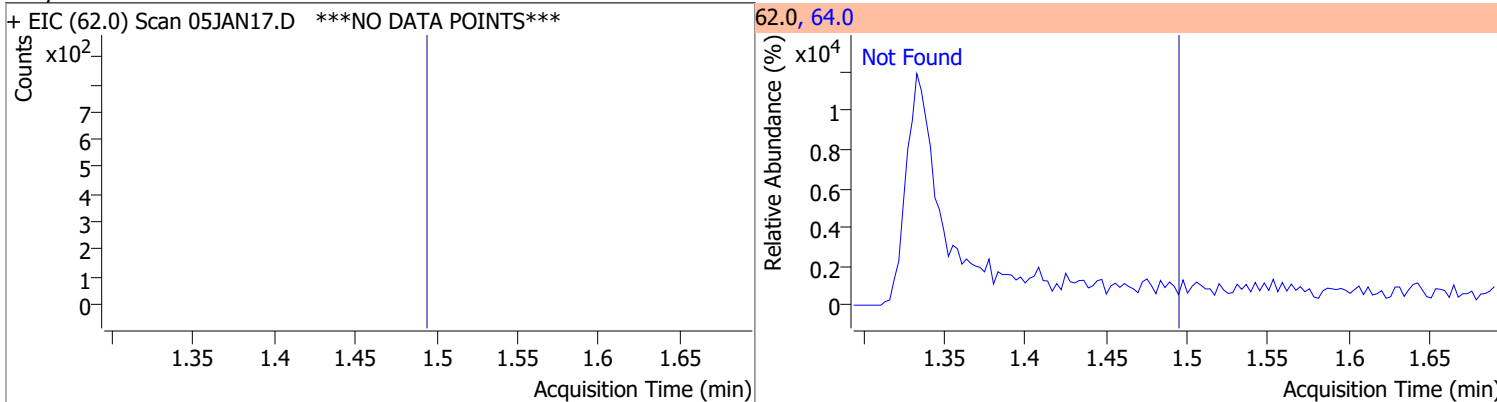
| Compound                | Conc. | Exp RT | QIon | Exp Ratio |
|-------------------------|-------|--------|------|-----------|
| Dichlorodifluoromethane | N.D.  | 1.24   | 87.0 | 32.3      |



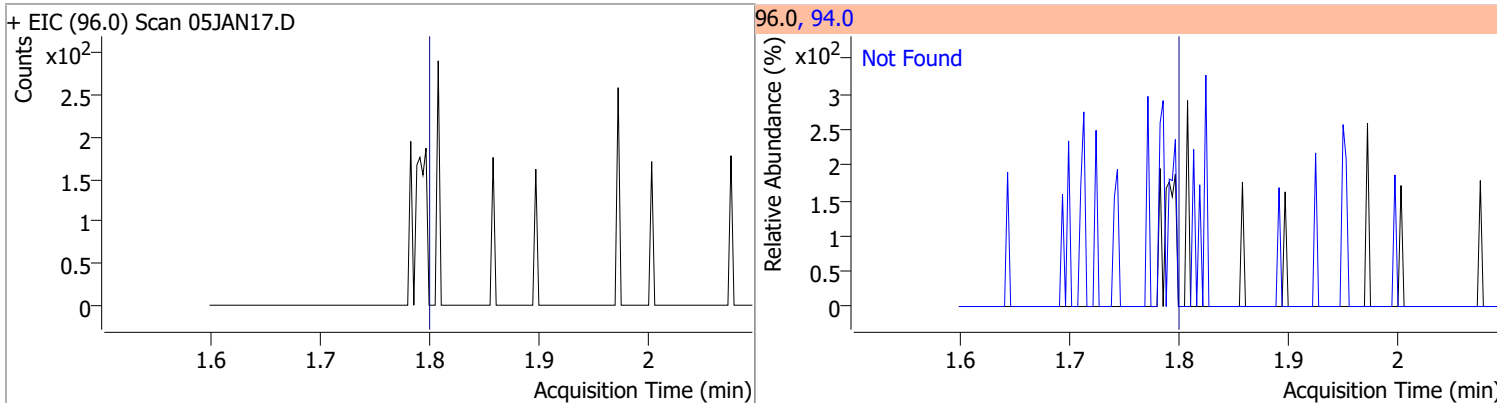
| Compound      | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|---------------|--------|------|----------|----------|------|--------|-------|-------|
| Chloromethane | 0.8837 | 1.41 | 0.00     | 1055 (m) | 52.0 | 21.6   | 2.1   | 62.1  |



| Compound       | Conc. | Exp RT | QIon | Exp Ratio |
|----------------|-------|--------|------|-----------|
| Vinyl chloride | N.D.  | 1.50   | 64.0 | 29.9      |

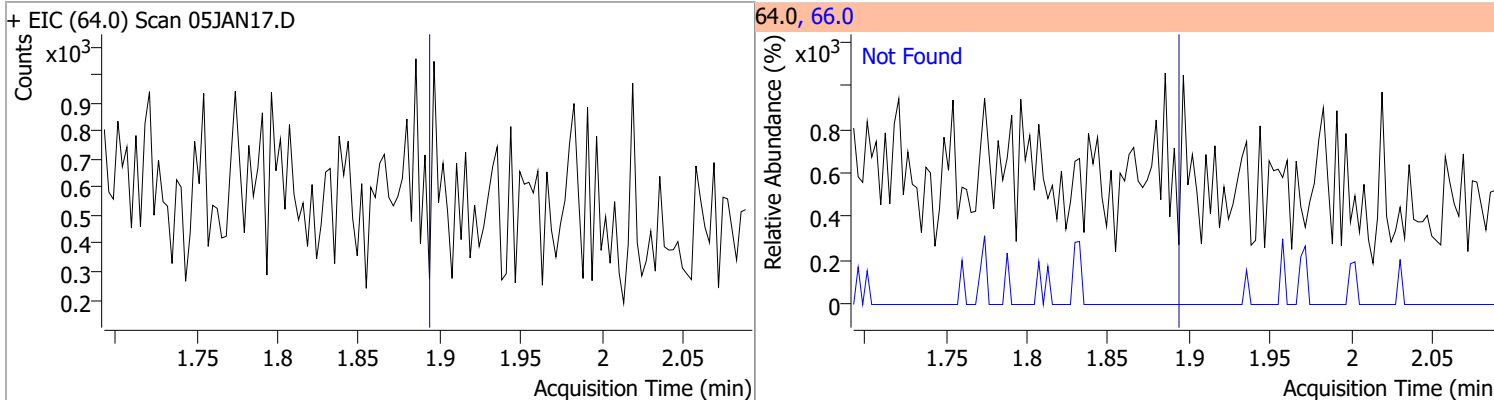


| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Bromomethane | N.D.  | 1.80   | 94.0 | 104.6     |

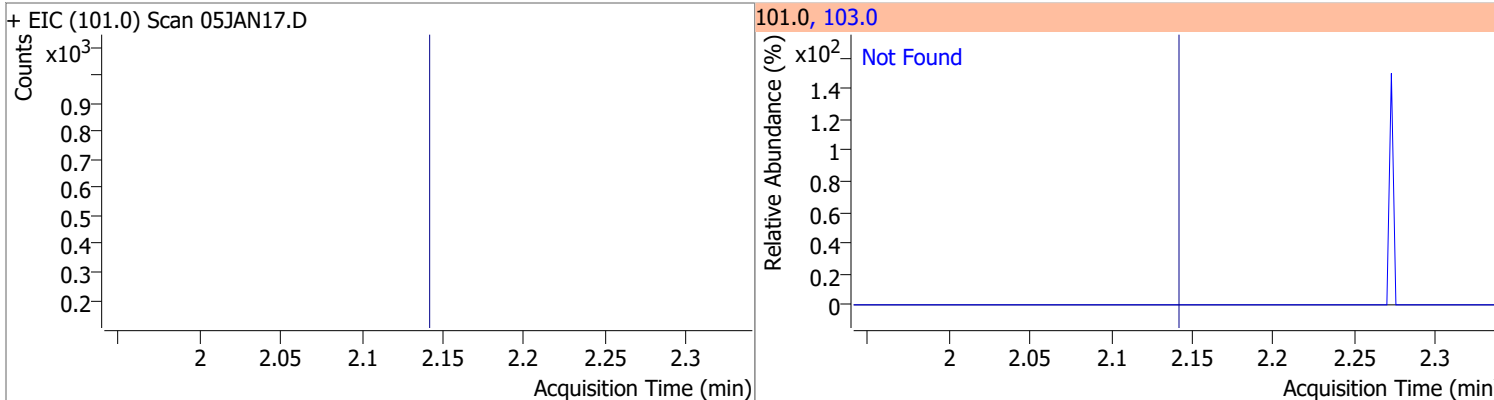


# Quantitation Results Report (QT Reviewed)

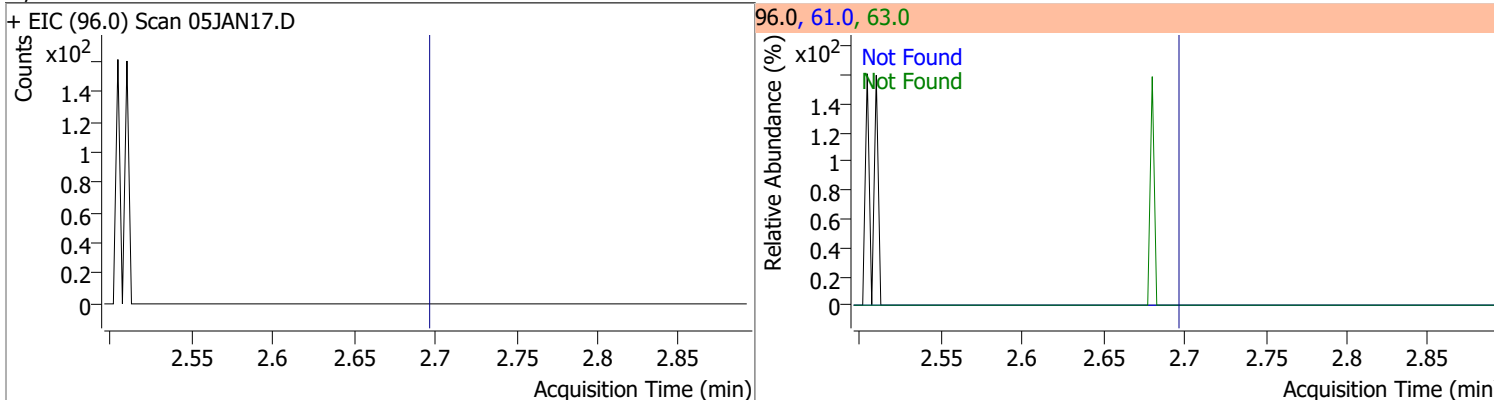
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



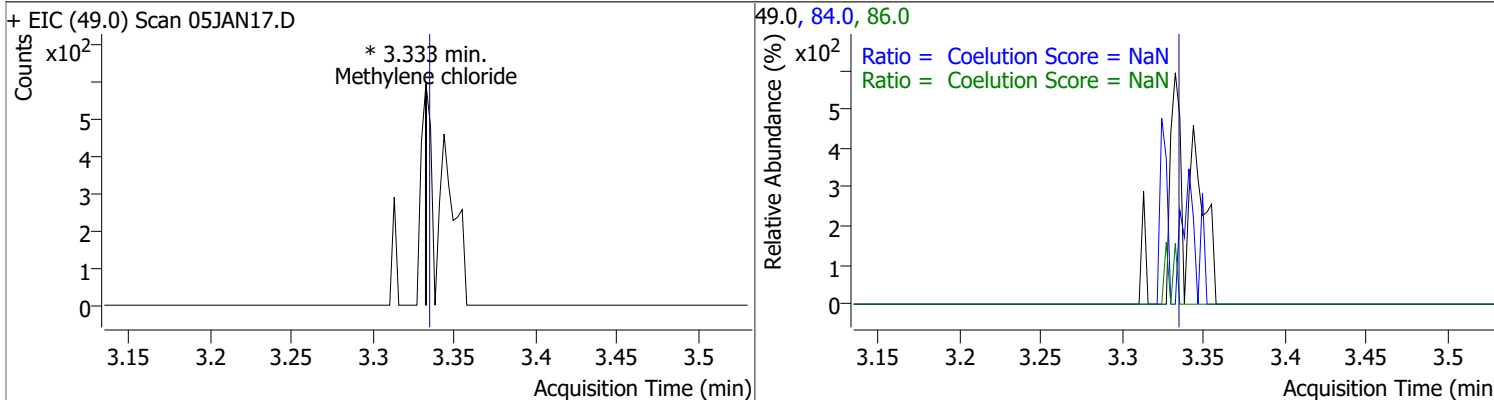
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

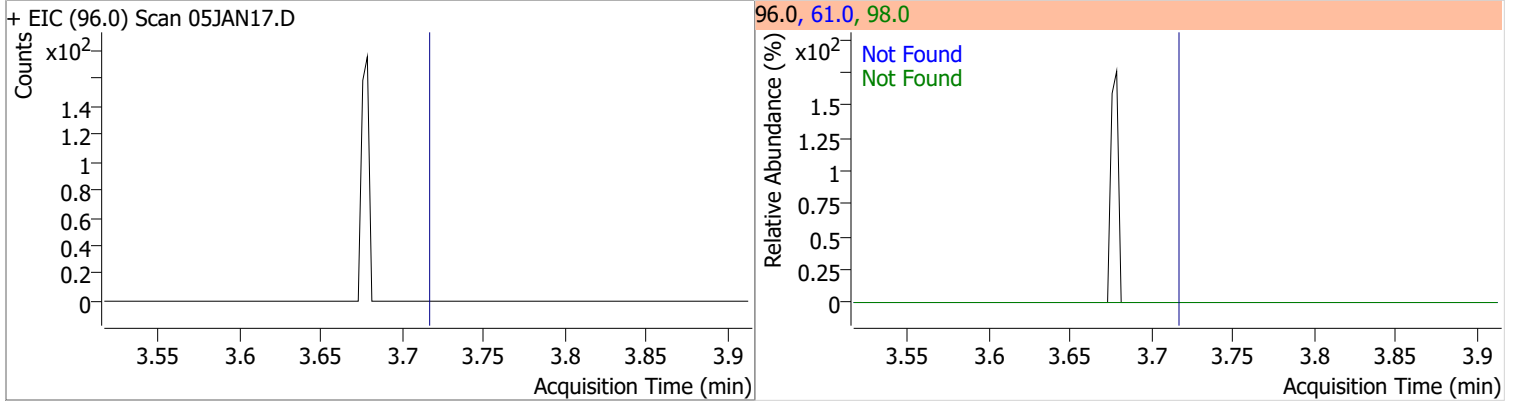


| Compound           | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|-------|----|----------|-------|------|--------|-------|-------|
| Methylene chloride |       | 0  |          | 0     | 84.0 |        | 36.9  | 96.9  |
|                    |       |    |          |       | 86.0 |        | 14.3  | 74.3  |

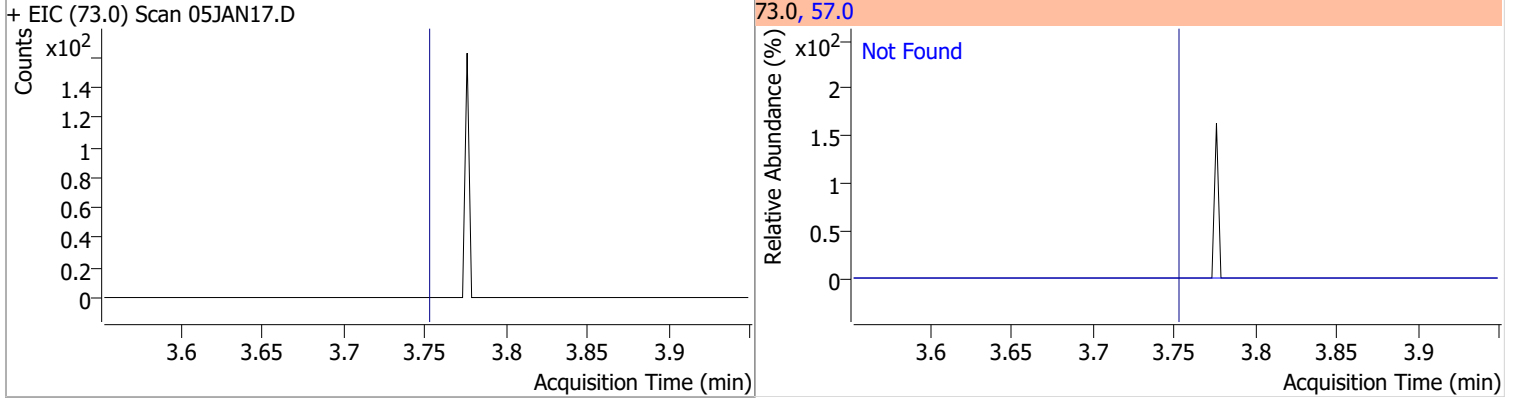


# Quantitation Results Report (QT Reviewed)

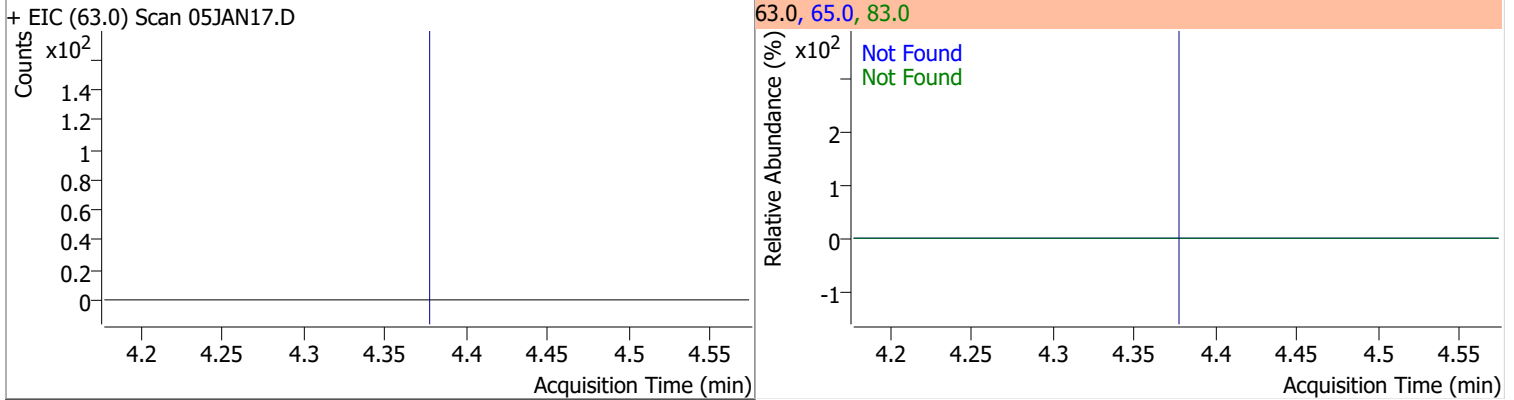
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



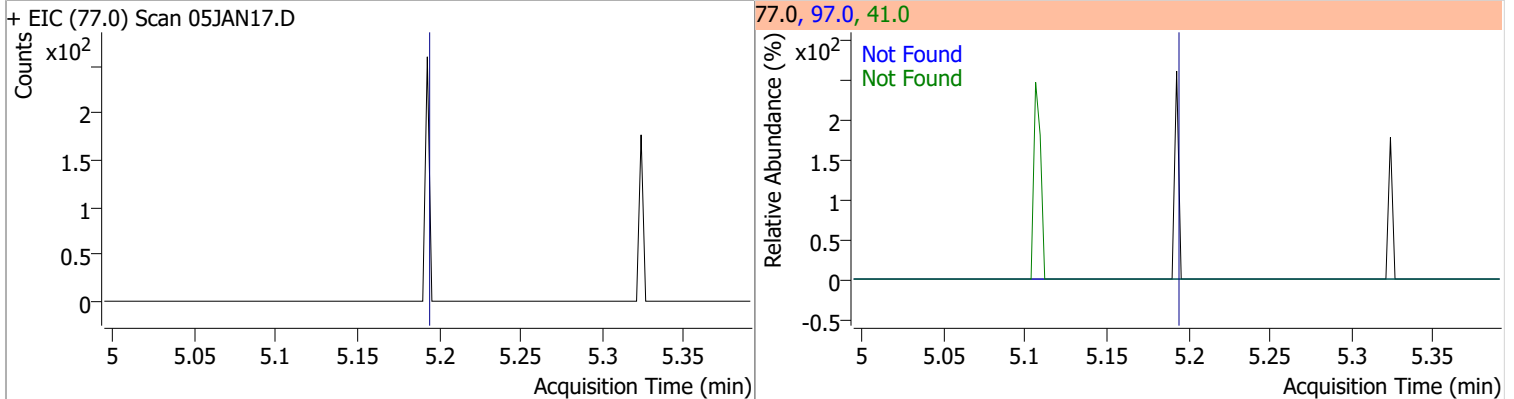
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |



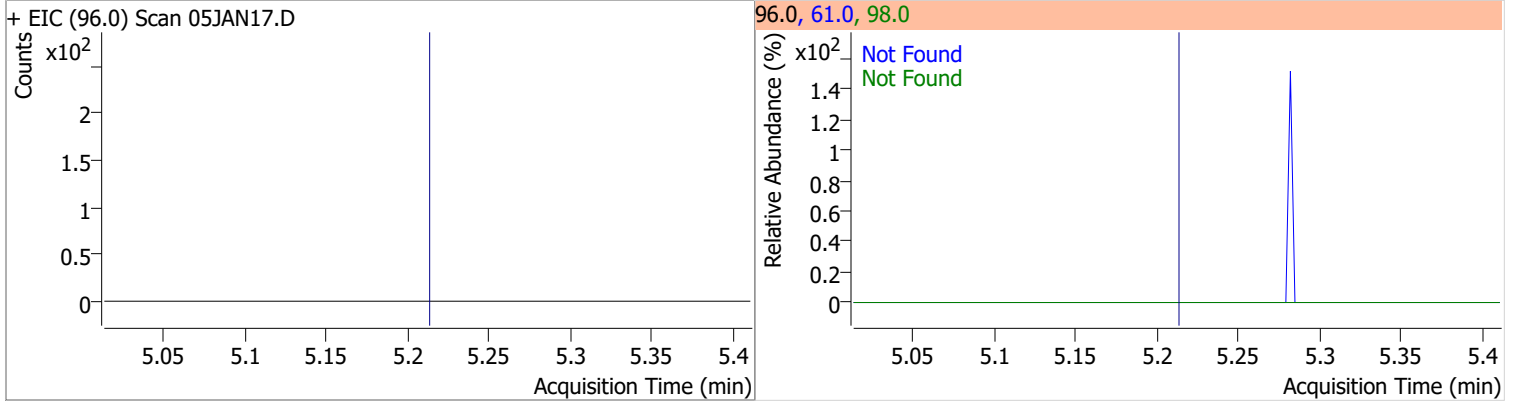
| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |



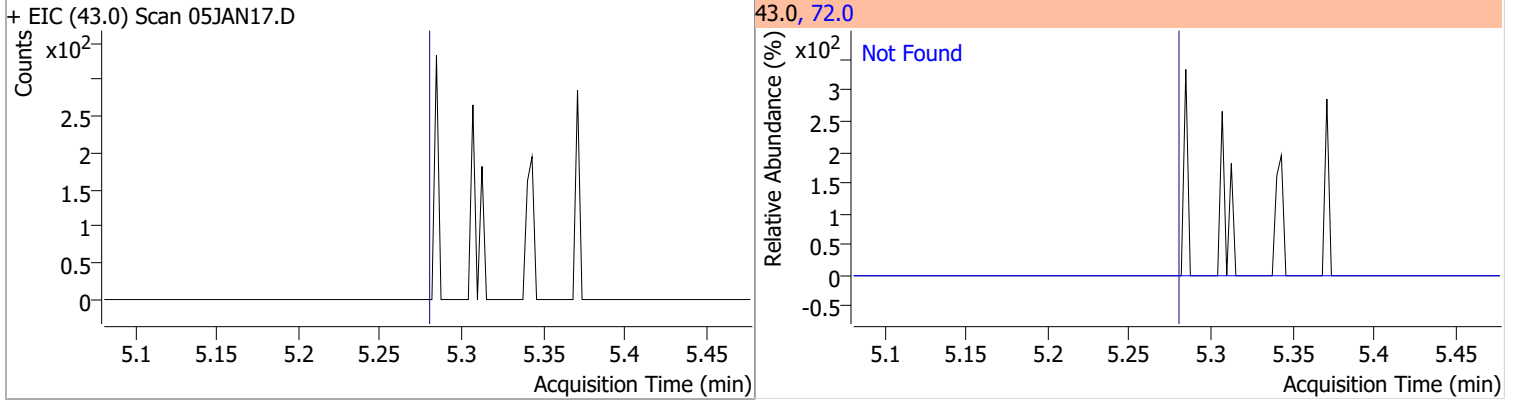


# Quantitation Results Report (QT Reviewed)

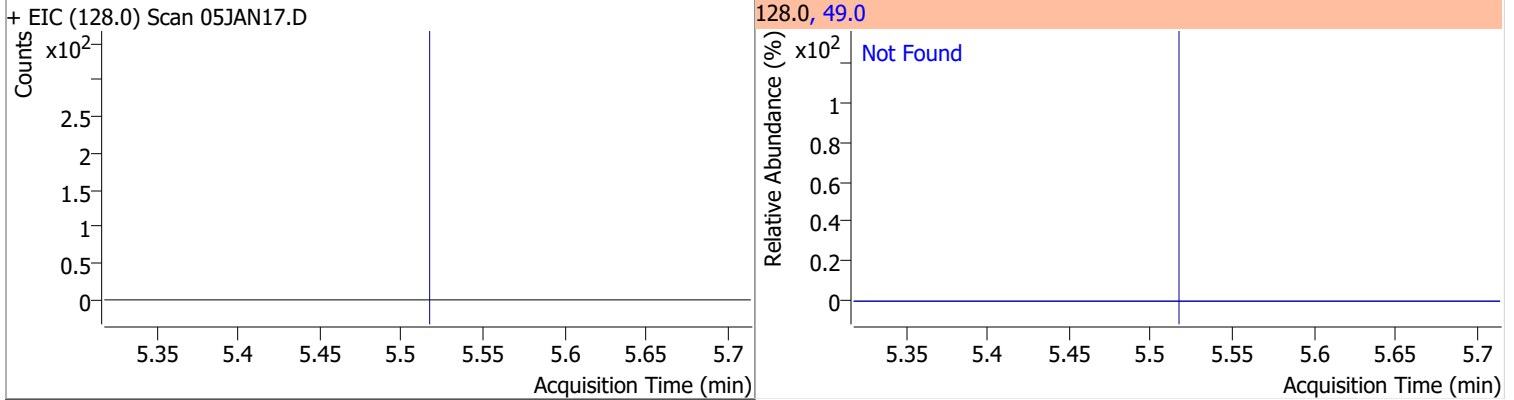
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



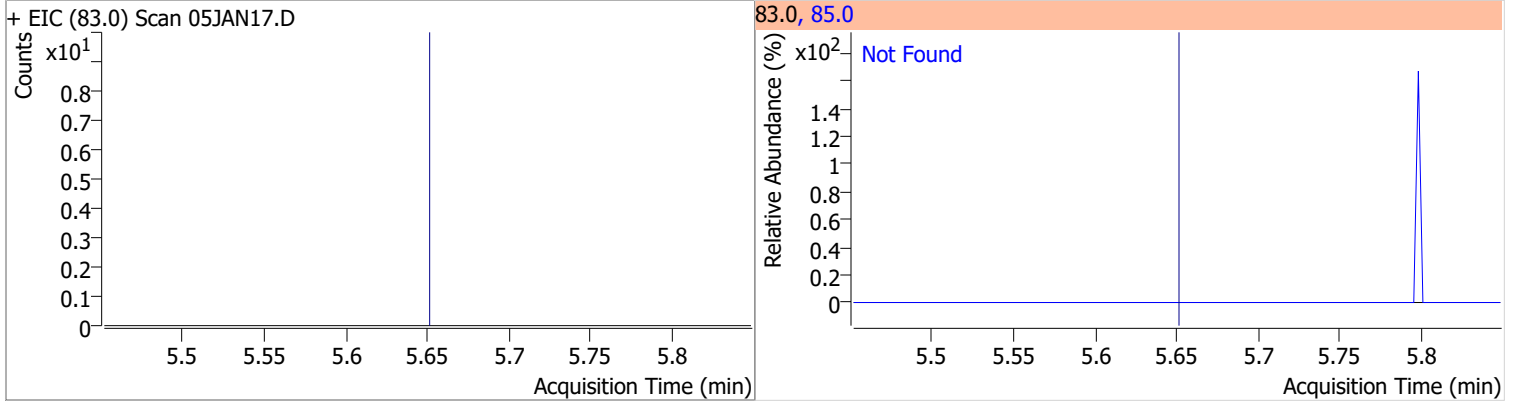
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



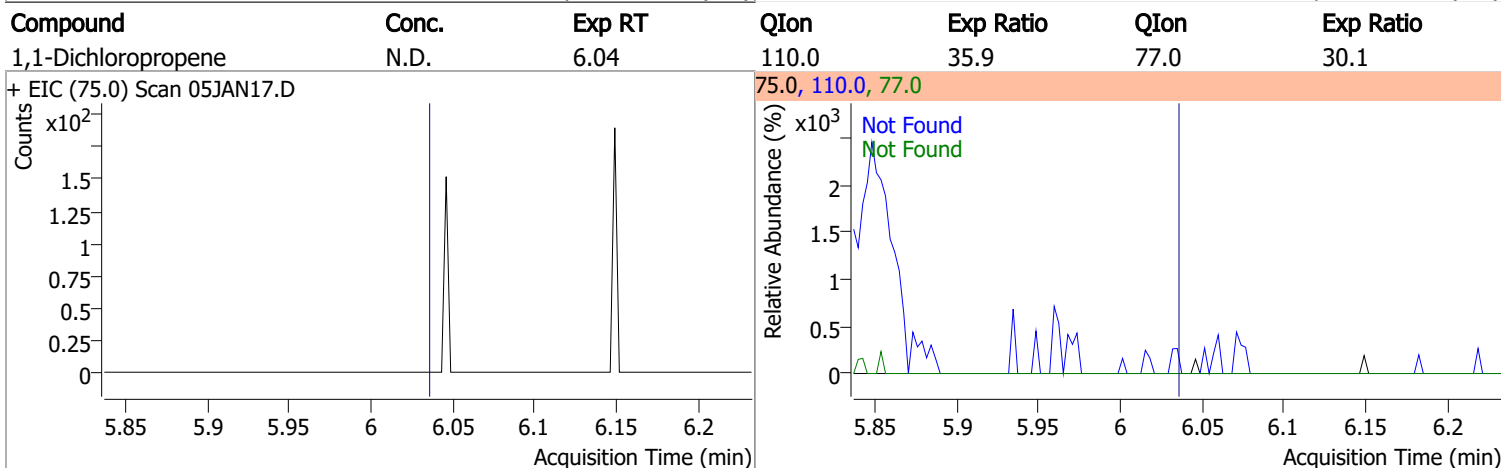
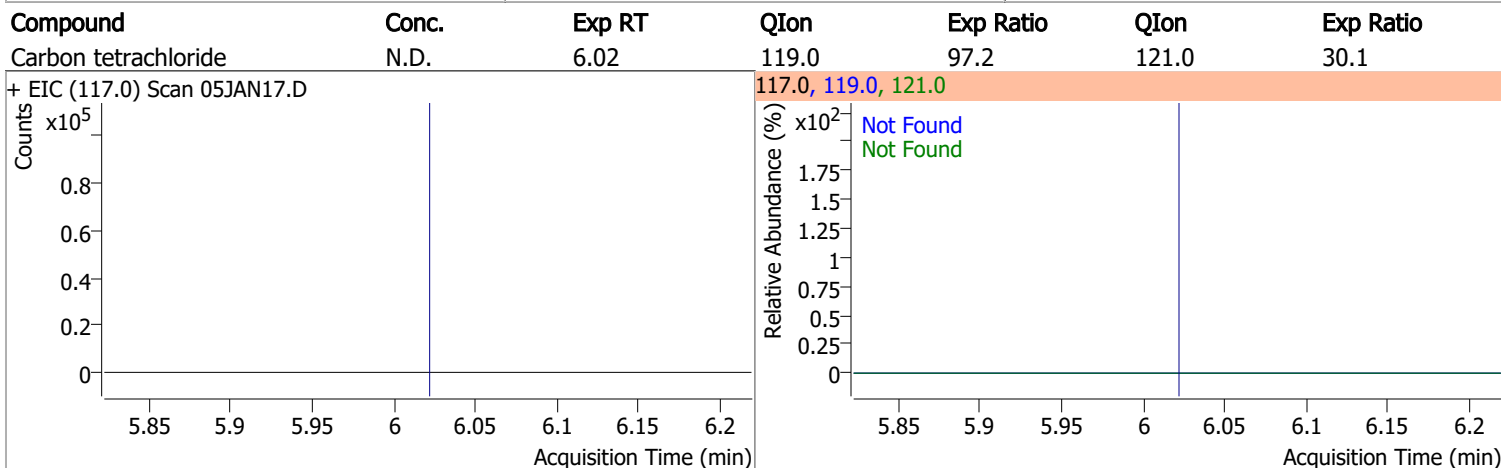
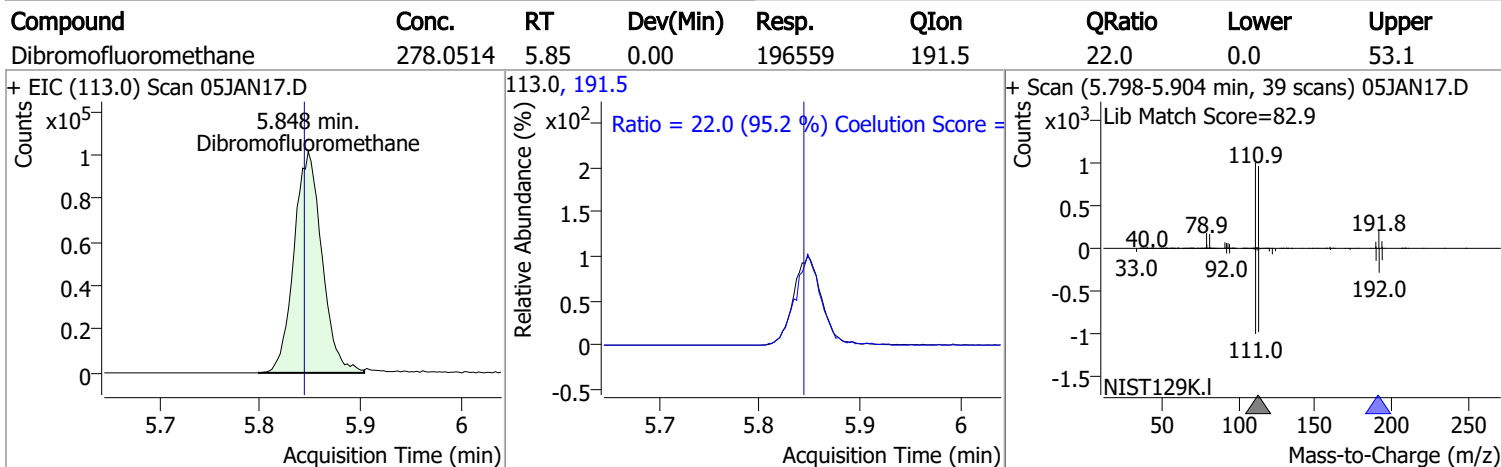
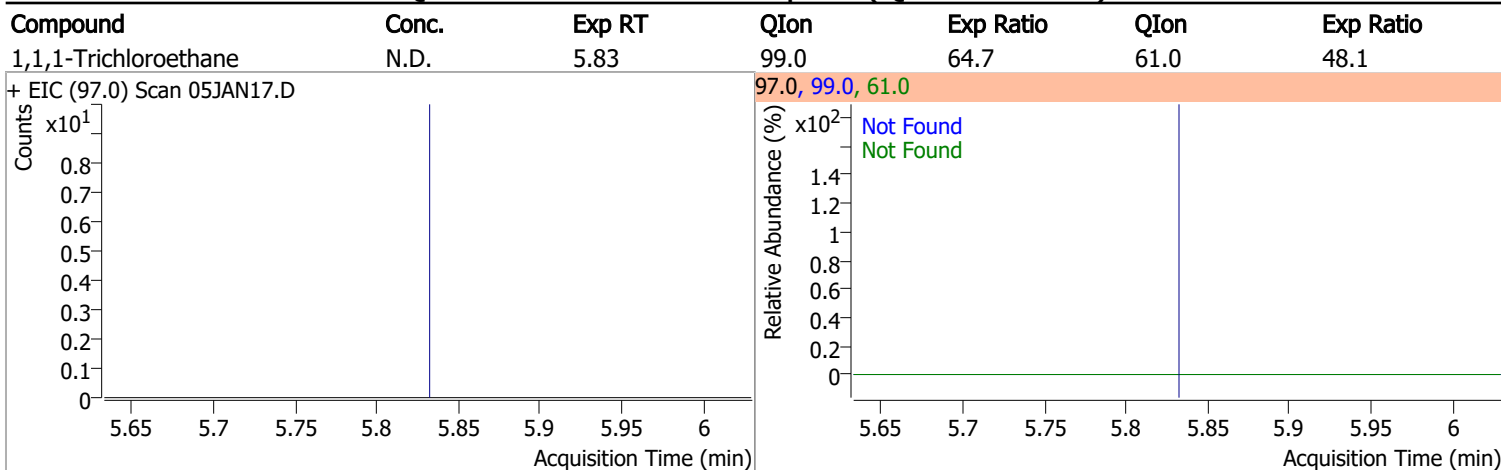
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |

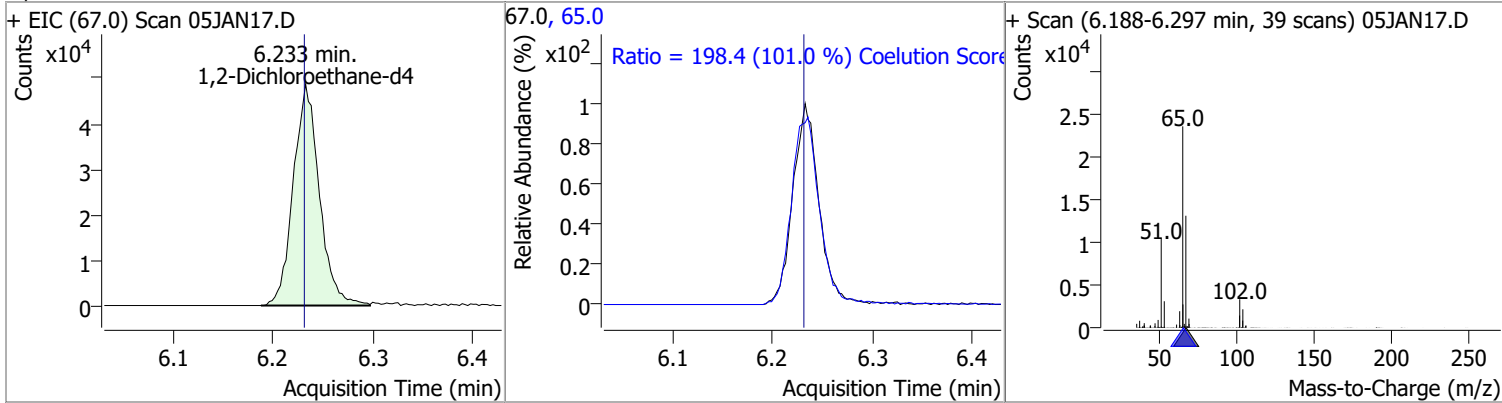


# Quantitation Results Report (QT Reviewed)

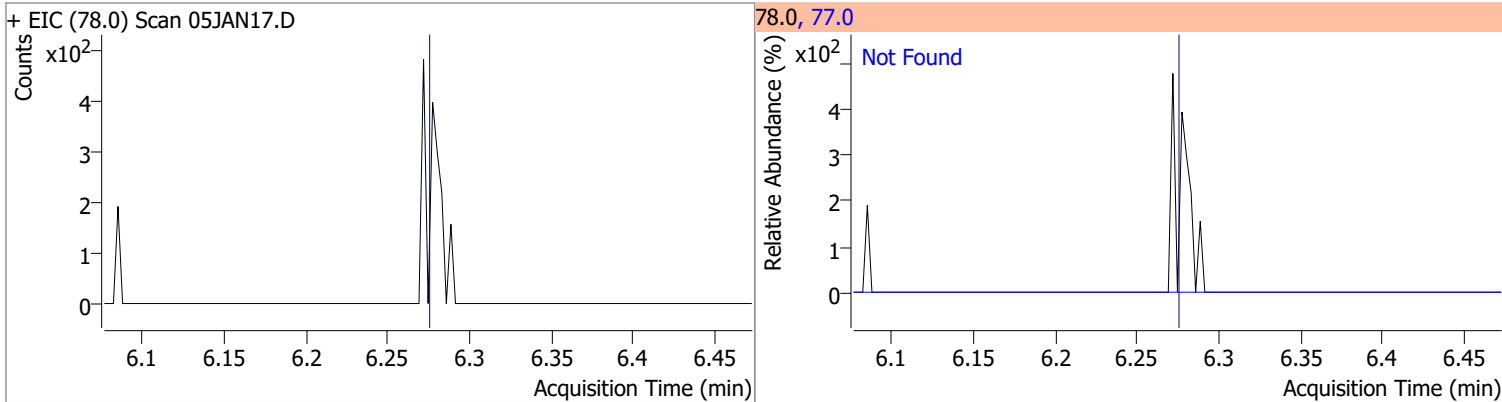


# Quantitation Results Report (QT Reviewed)

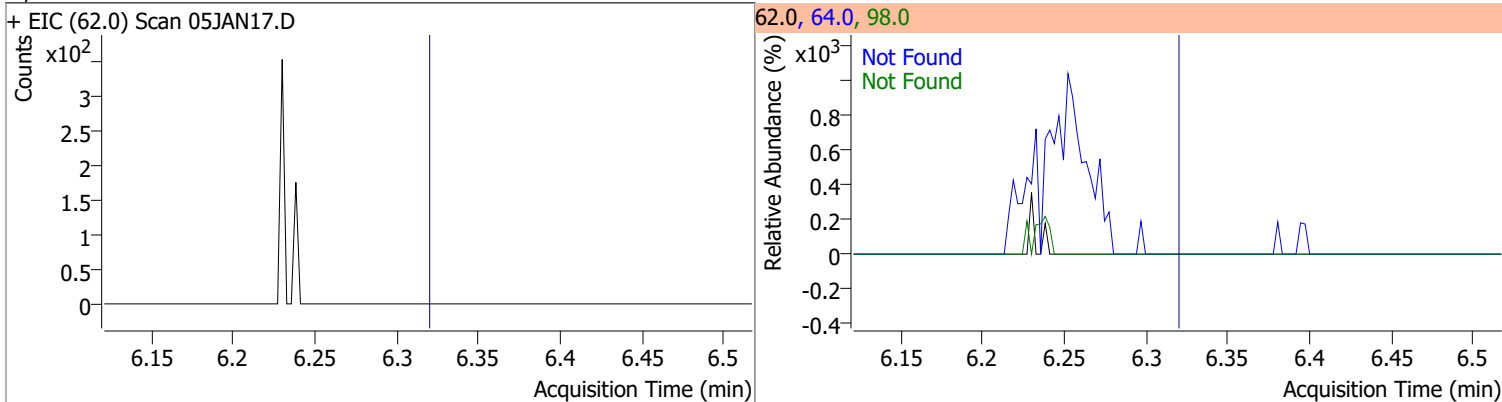
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 287.7020 | 6.23 | 0.00     | 87846 | 65.0 | 198.4  | 166.5 | 226.5 |



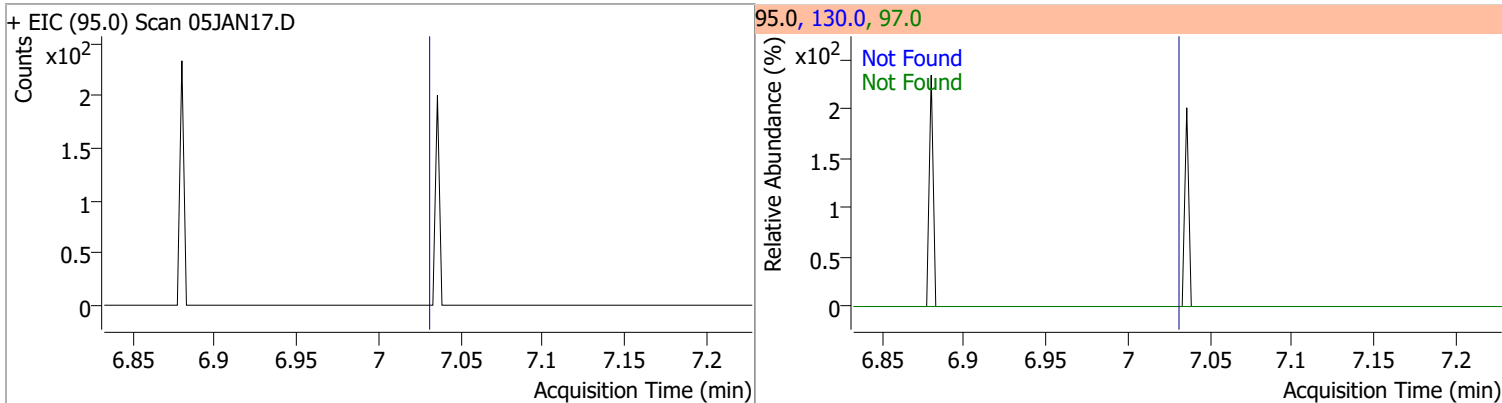
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



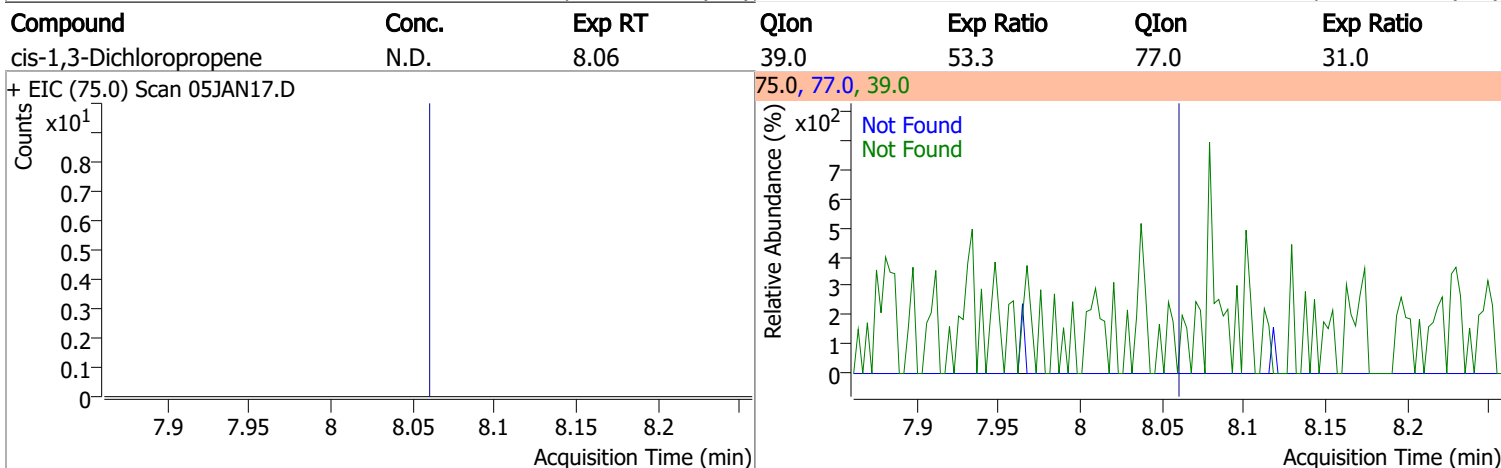
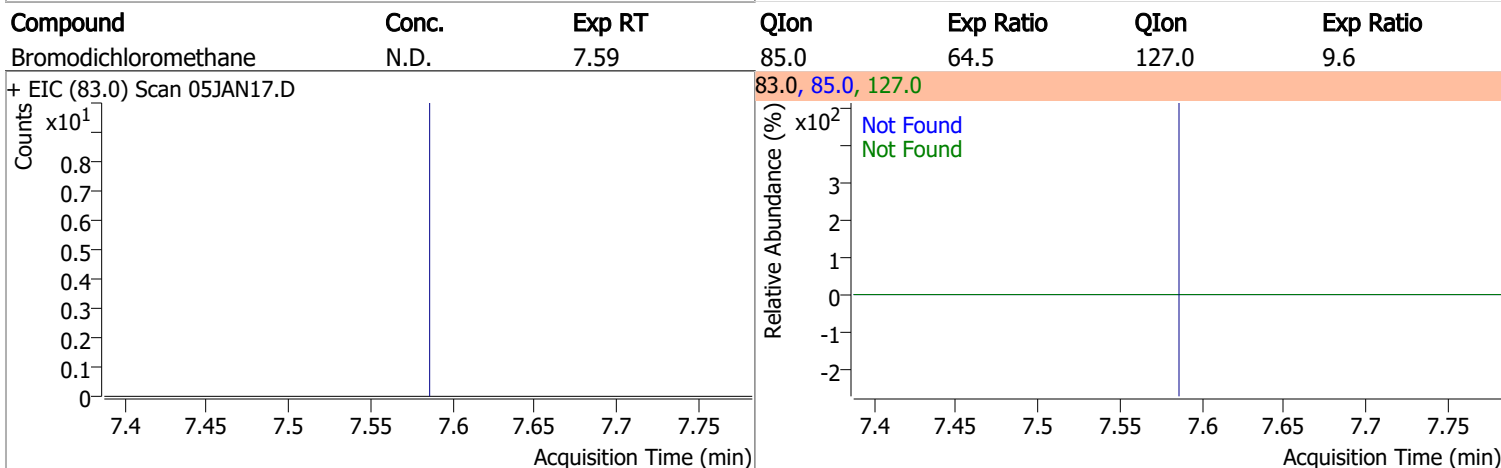
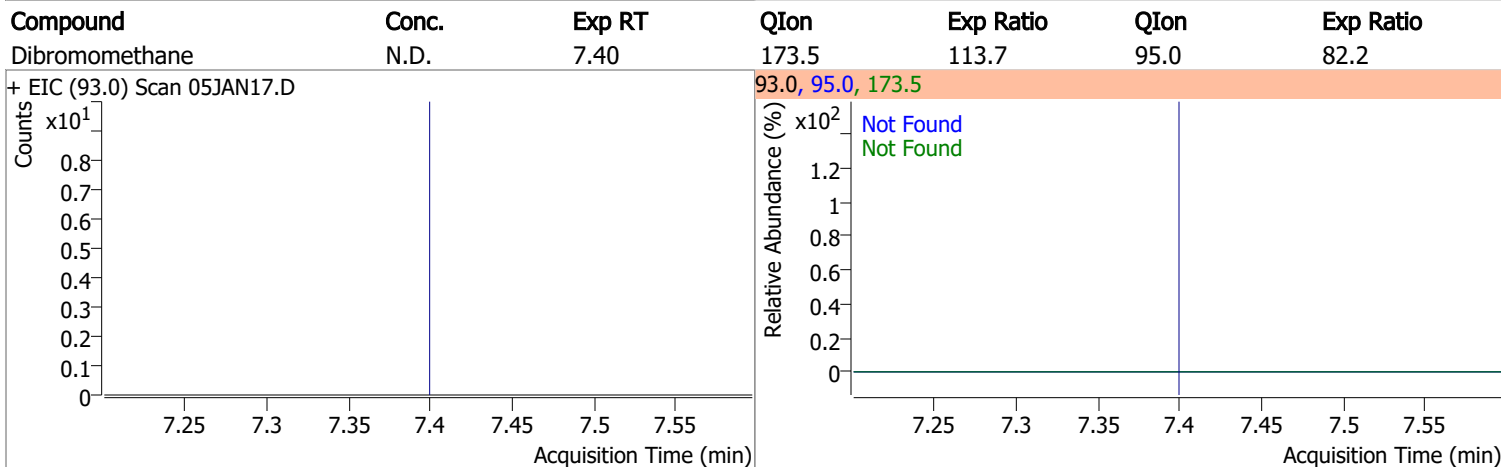
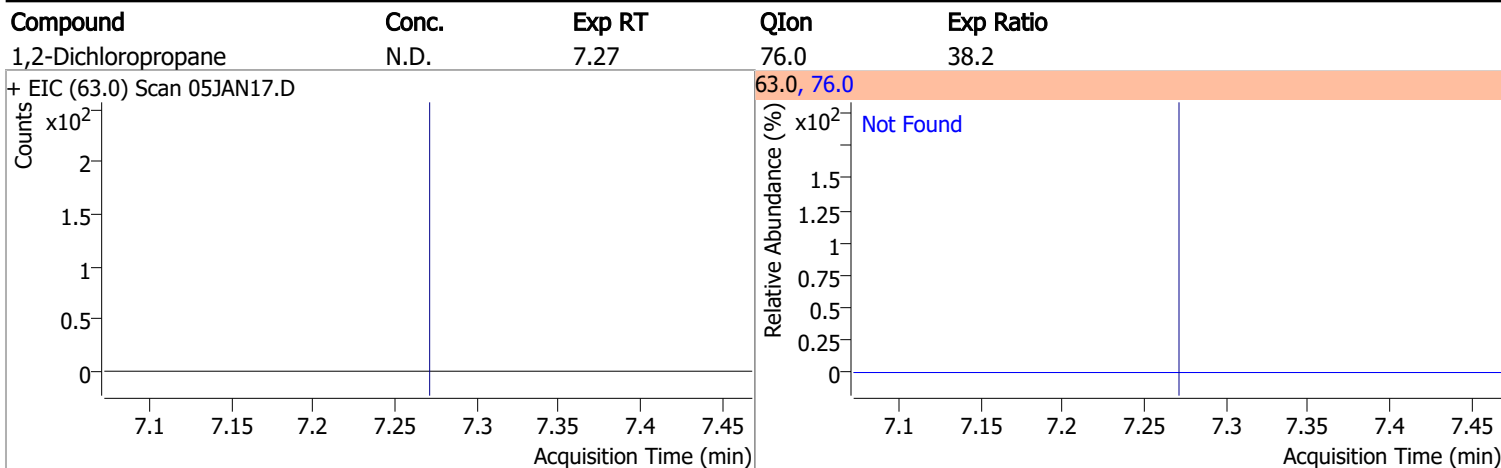
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

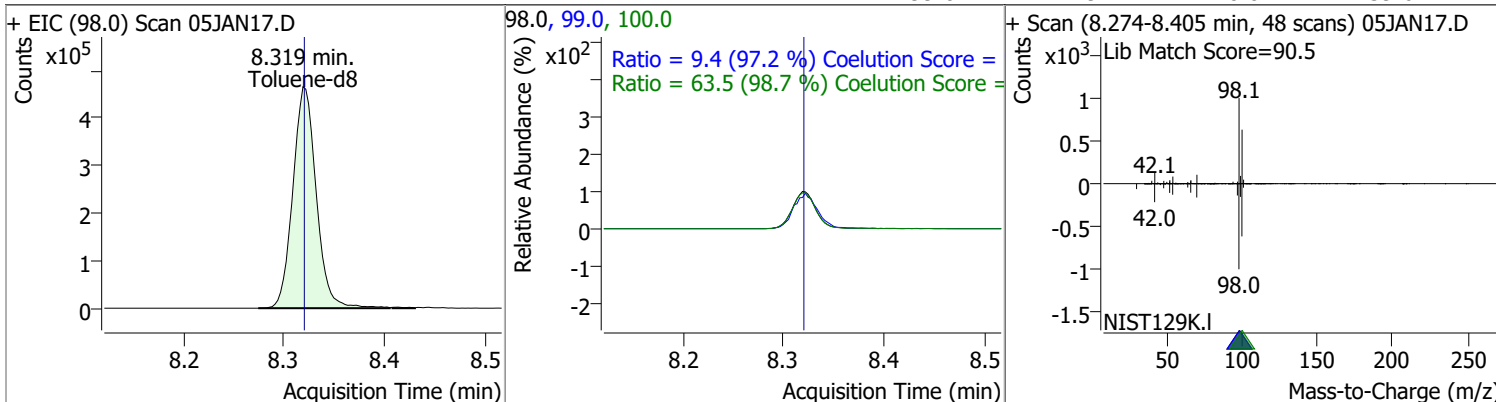


# Quantitation Results Report (QT Reviewed)

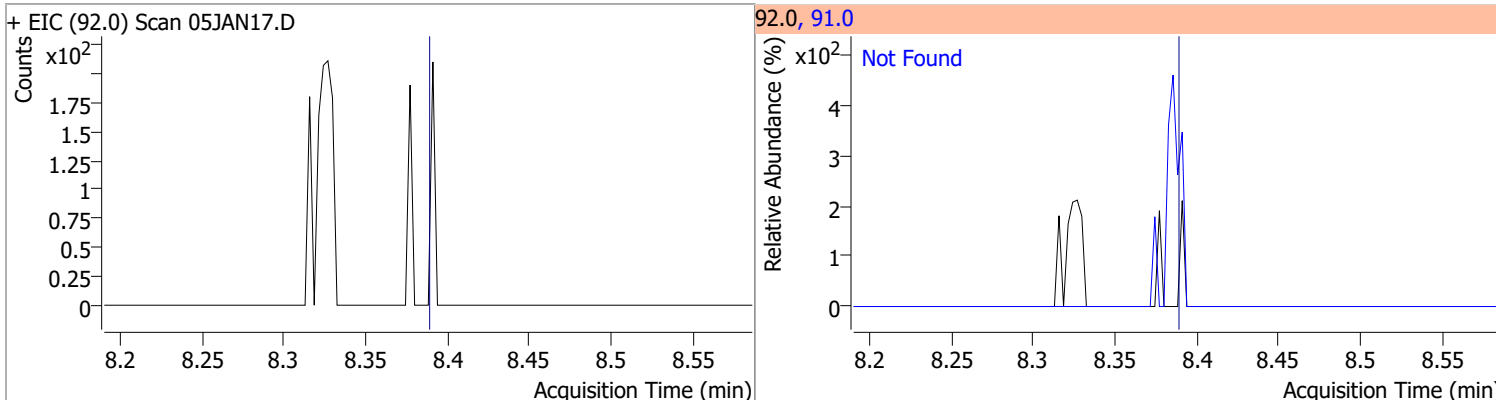


# Quantitation Results Report (QT Reviewed)

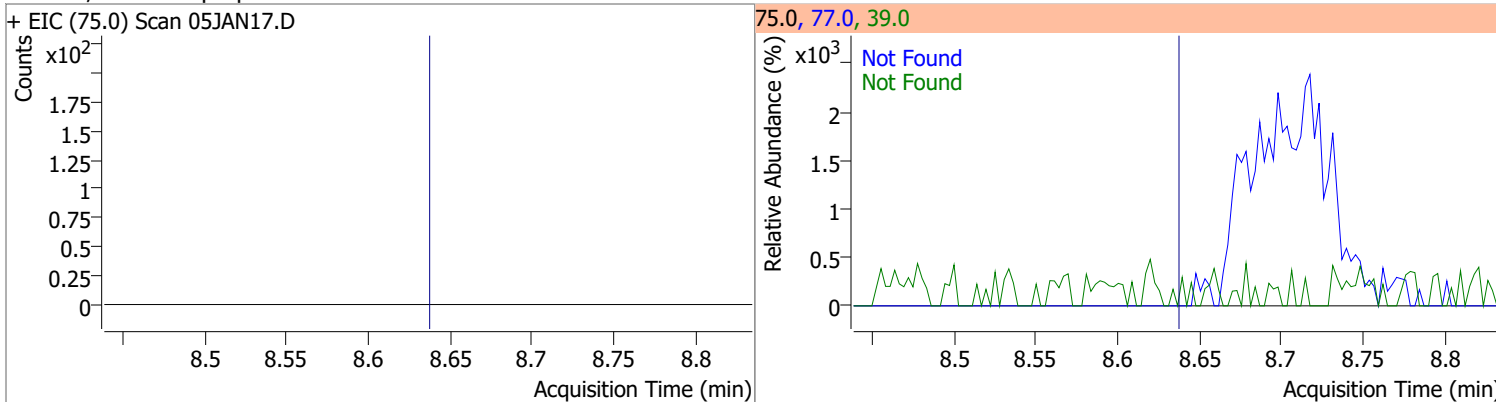
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 270.8761 | 8.32 | 0.00     | 754001 | 100.0 | 63.5   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.4    | 0.0   | 39.6  |



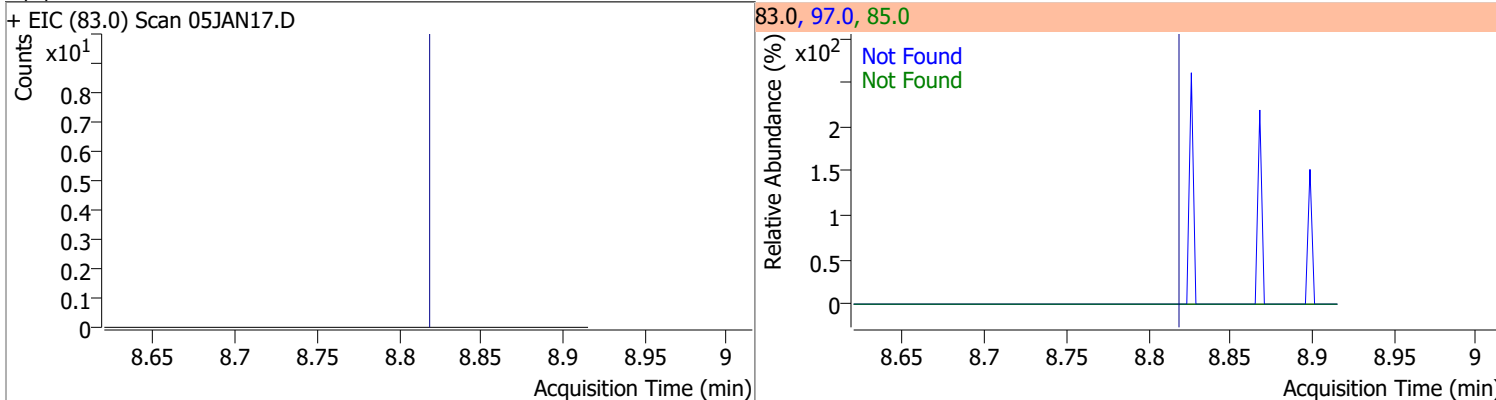
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Toluene  | N.D.  | 8.39   | 91.0 | 175.8     |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

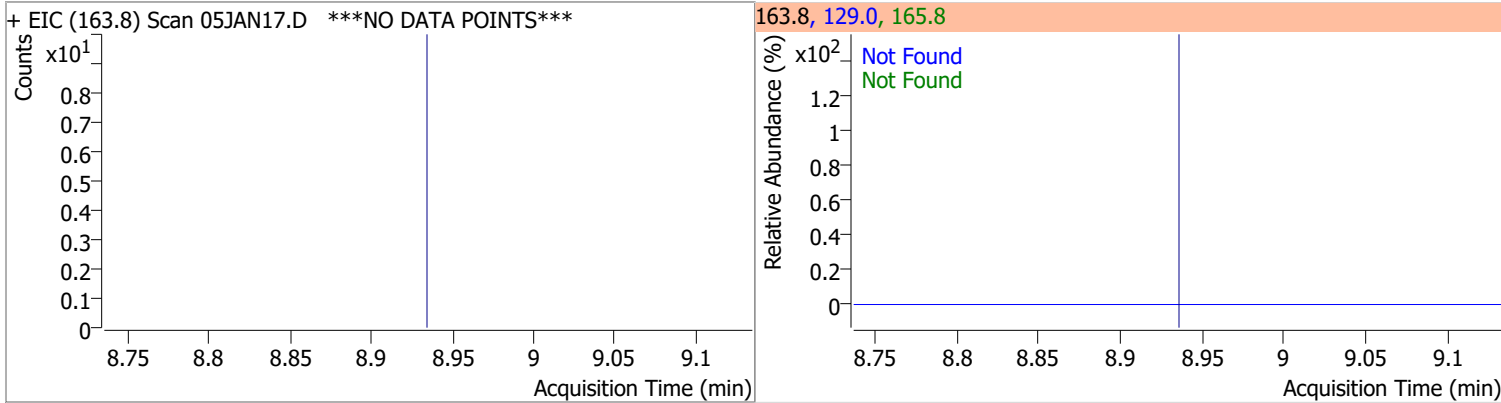


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

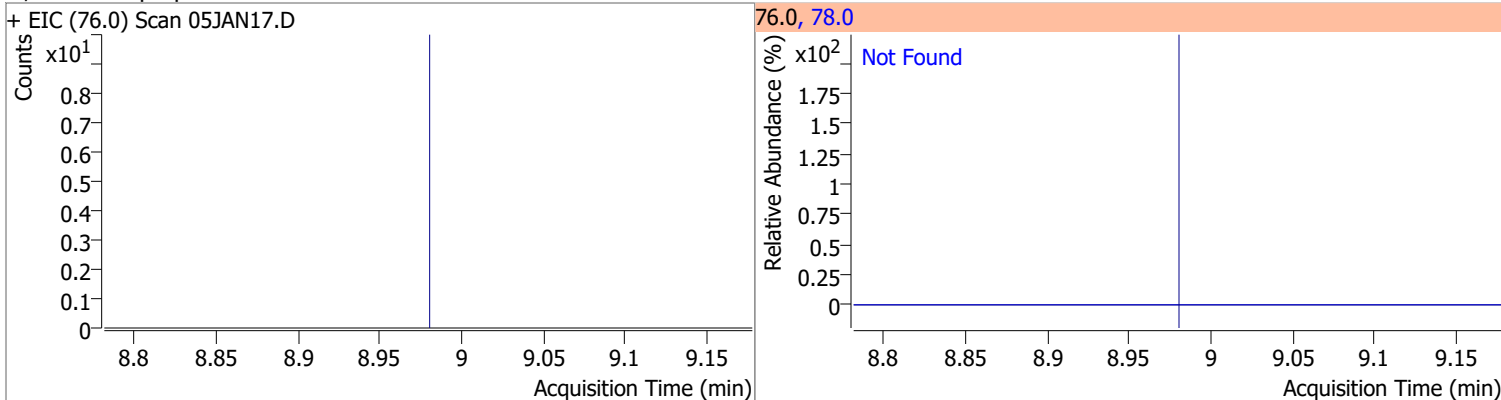


# Quantitation Results Report (QT Reviewed)

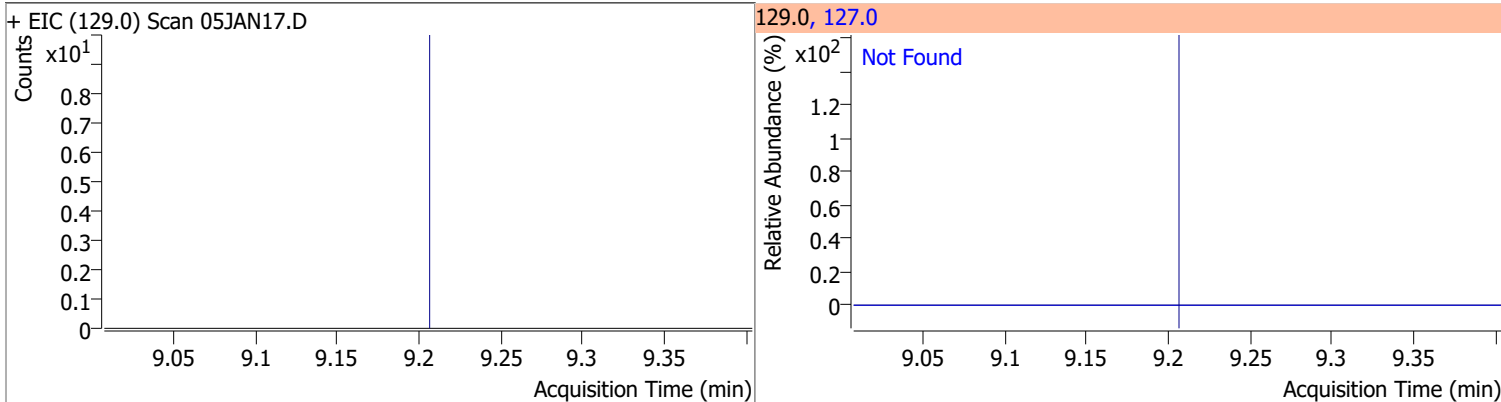
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



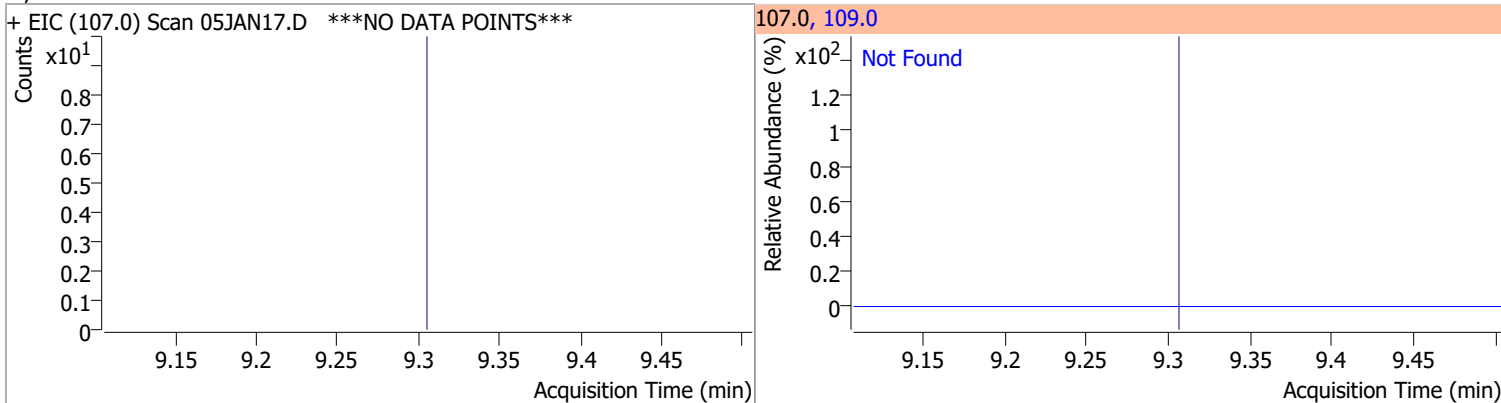
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



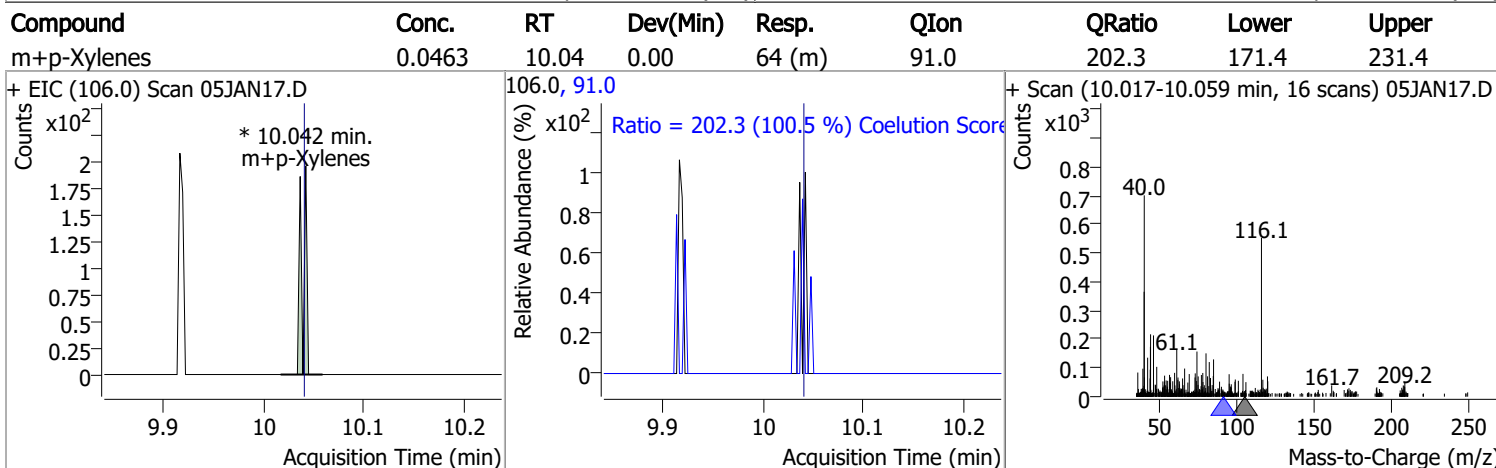
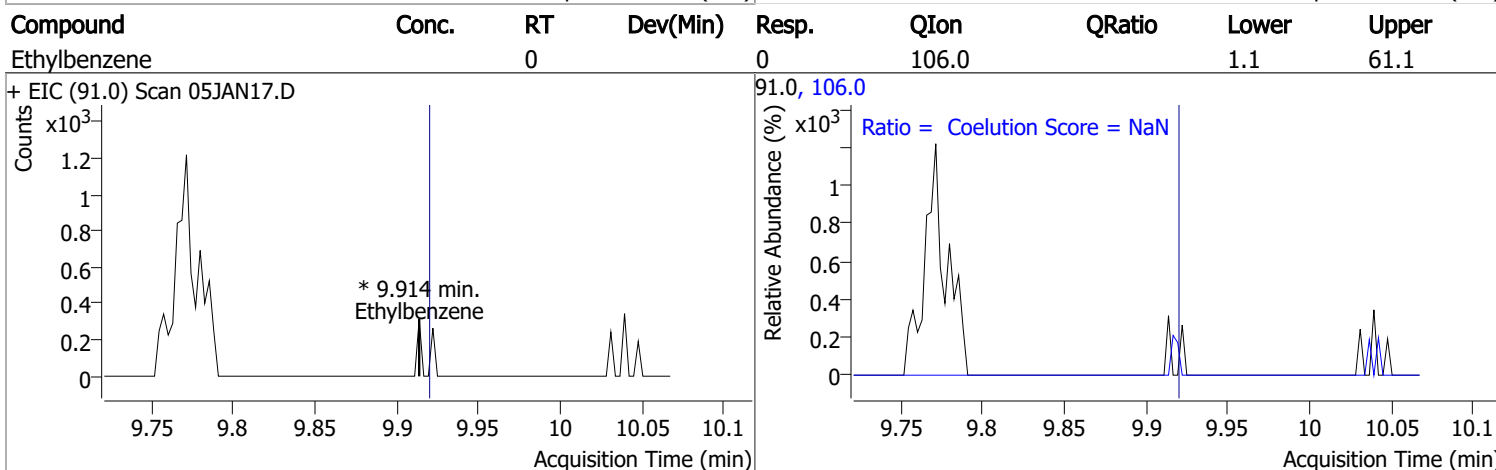
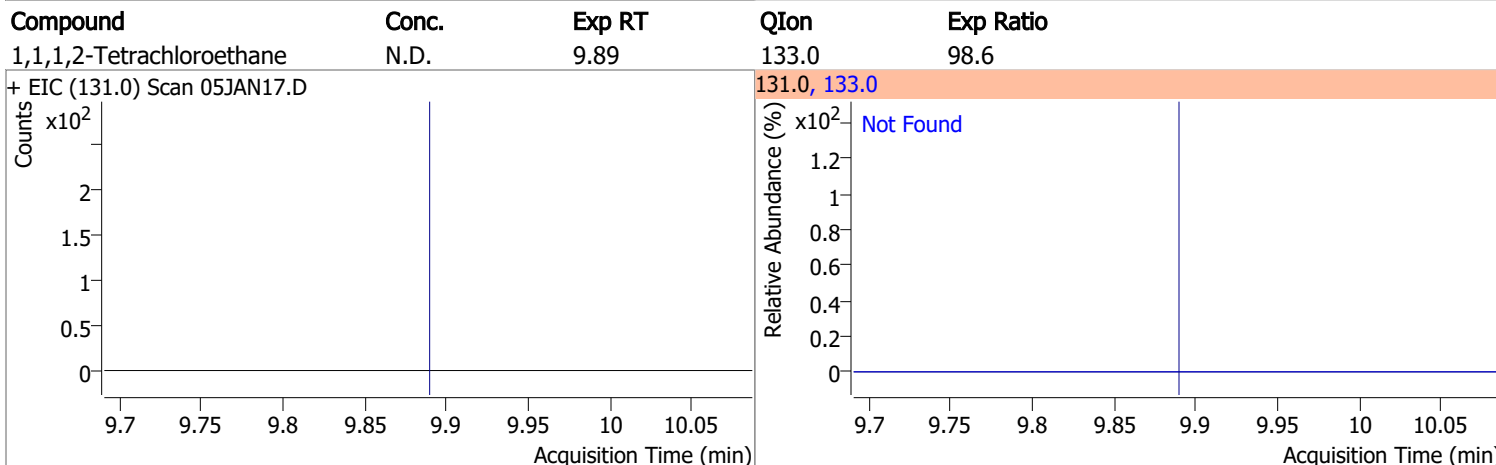
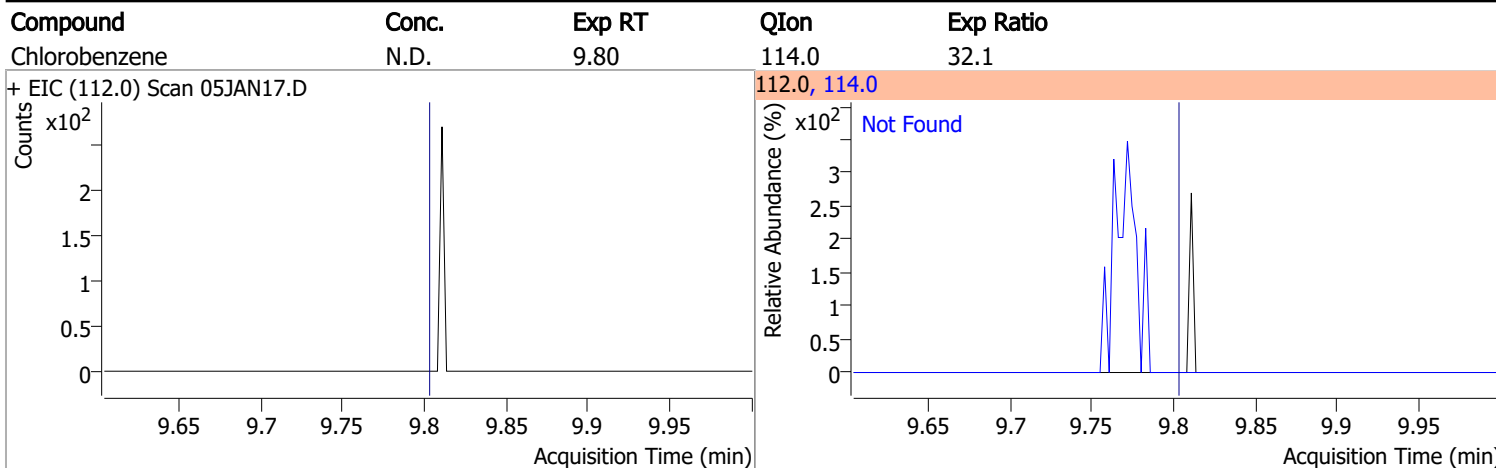
| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |



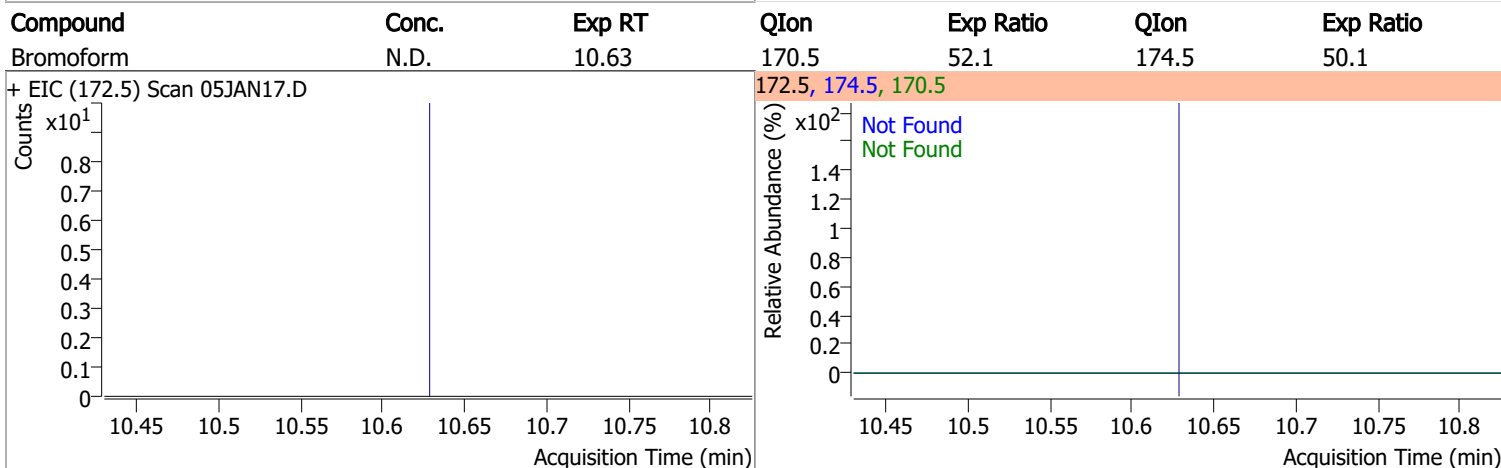
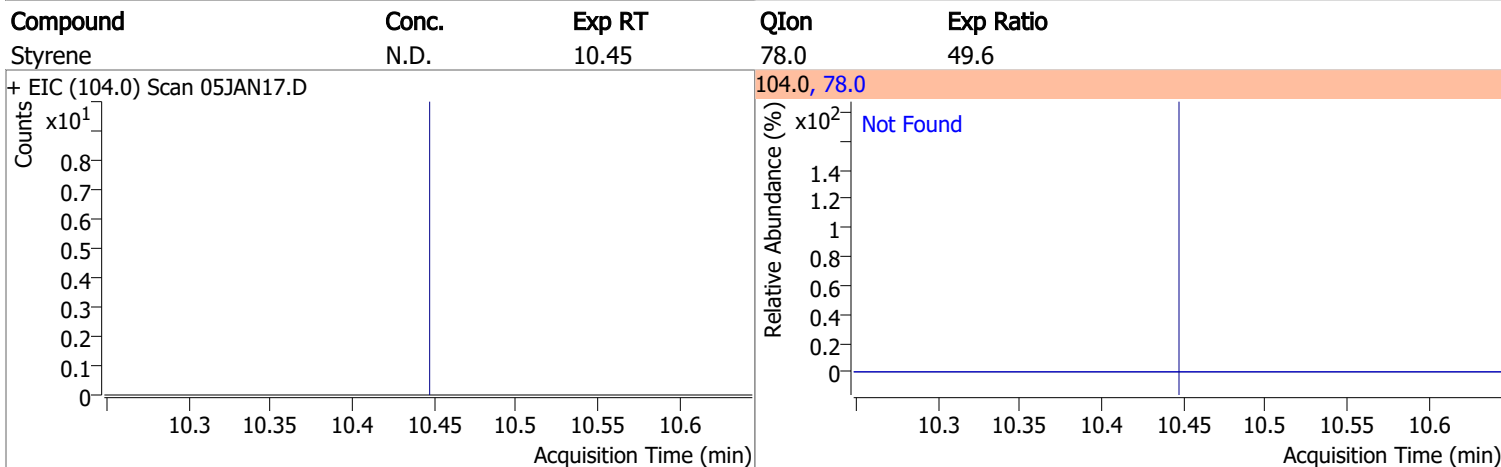
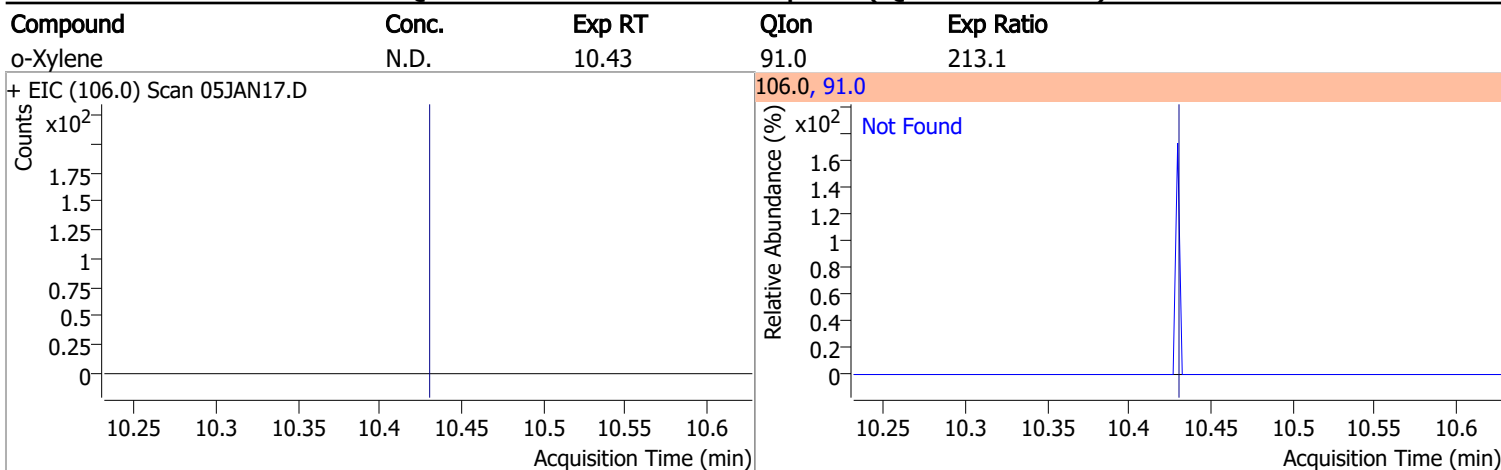
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |



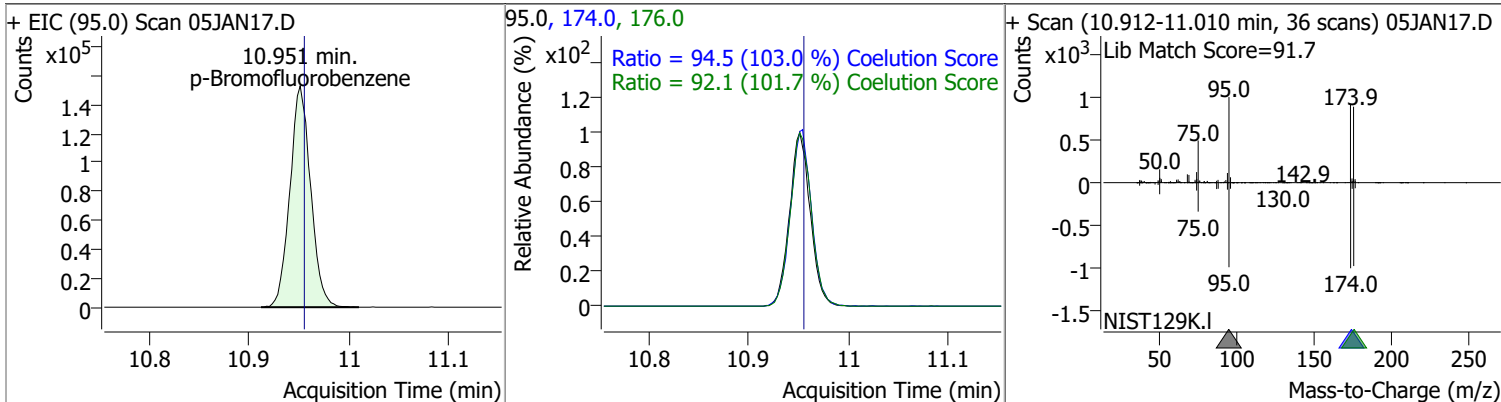
# Quantitation Results Report (QT Reviewed)



# Quantitation Results Report (QT Reviewed)



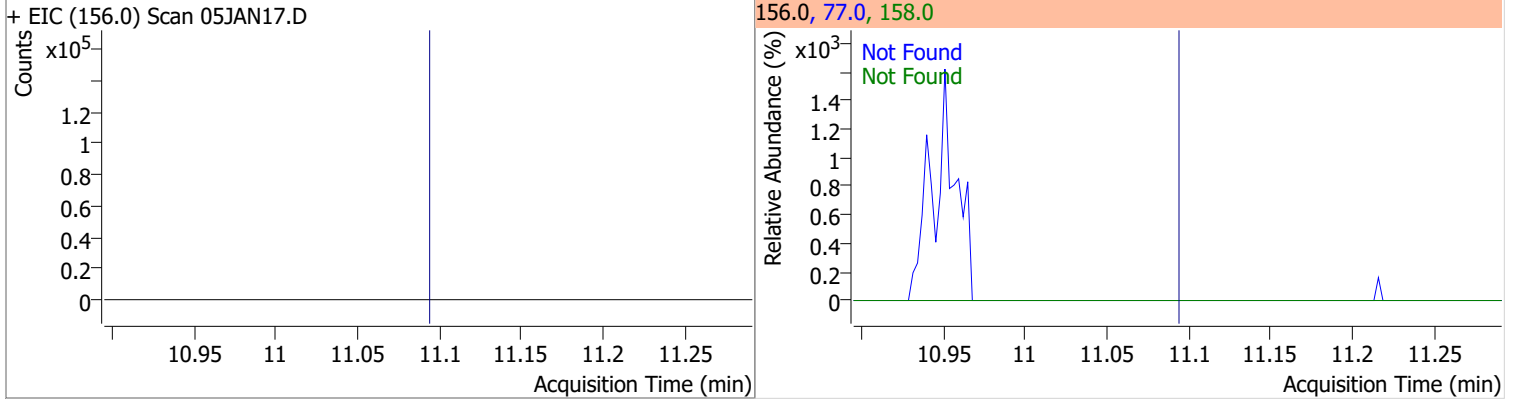
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 272.2278 | 10.95 | 0.00     | 219103 | 174.0 | 94.5   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 92.1   | 60.6  | 120.6 |



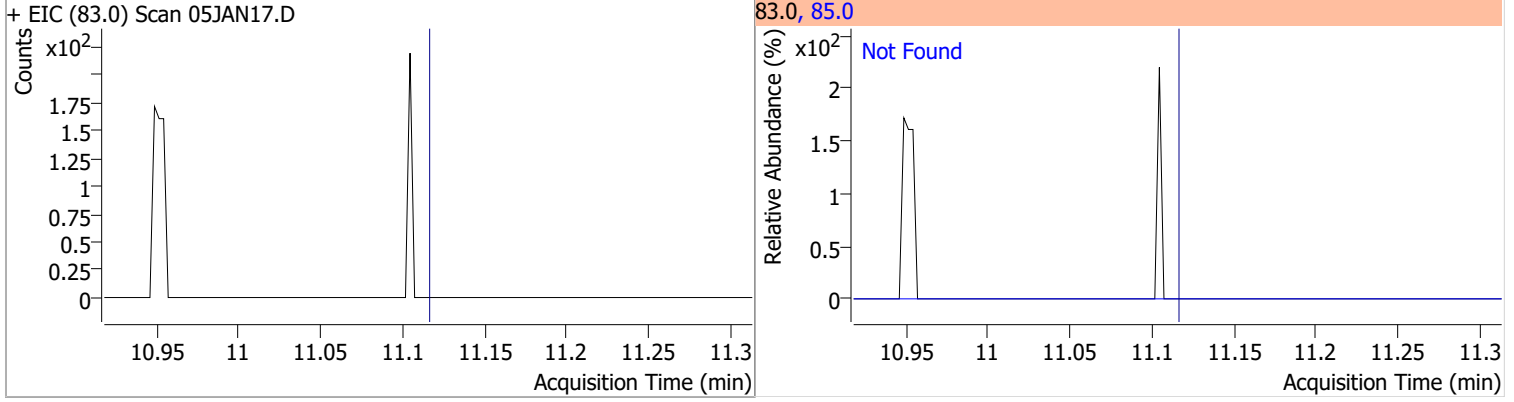


# Quantitation Results Report (QT Reviewed)

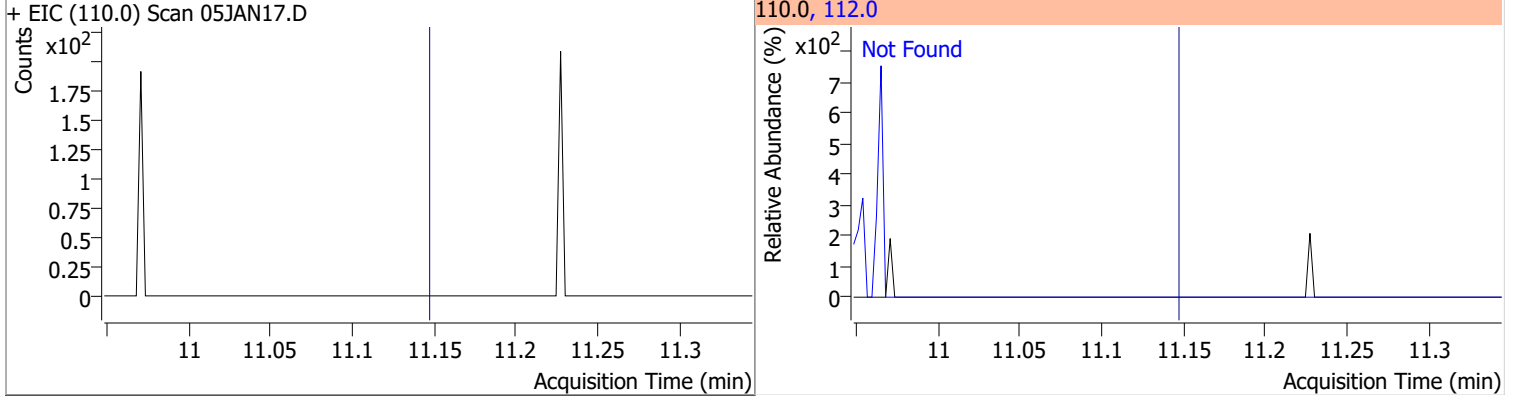
| Compound     | Conc. | Exp RT | QIon | Exp Ratio | QIon  | Exp Ratio |
|--------------|-------|--------|------|-----------|-------|-----------|
| Bromobenzene | N.D.  | 11.09  | 77.0 | 145.7     | 158.0 | 96.5      |



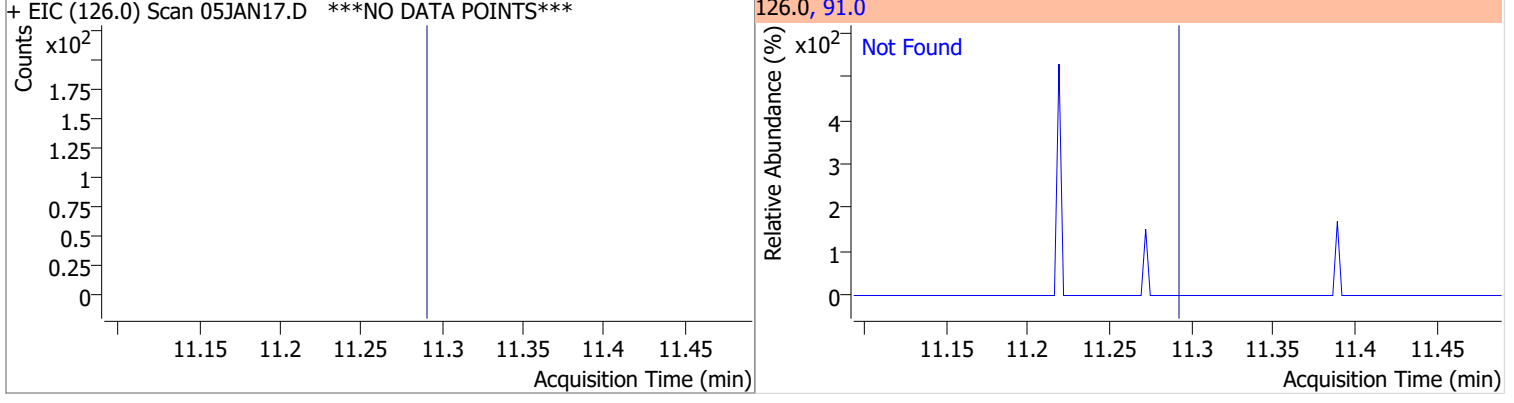
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|
| 1,1,2,2-Tetrachloroethane | N.D.  | 11.12  | 85.0 | 66.2      |



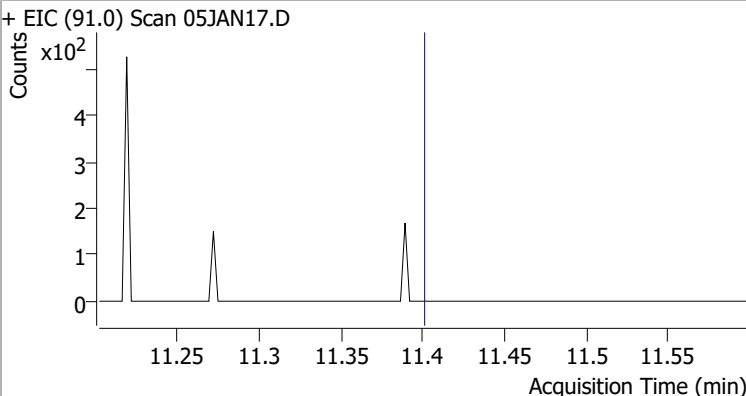
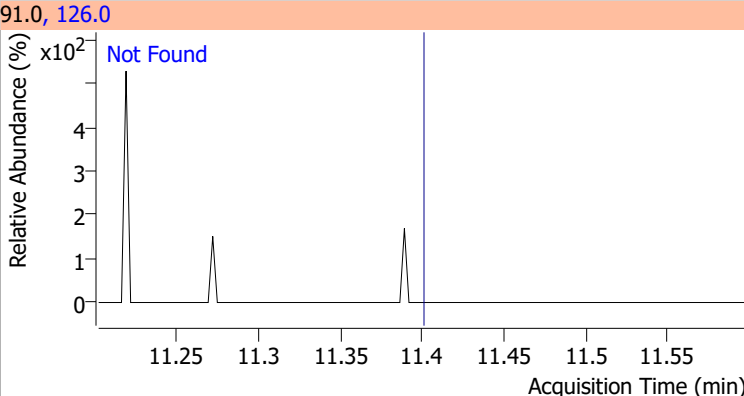
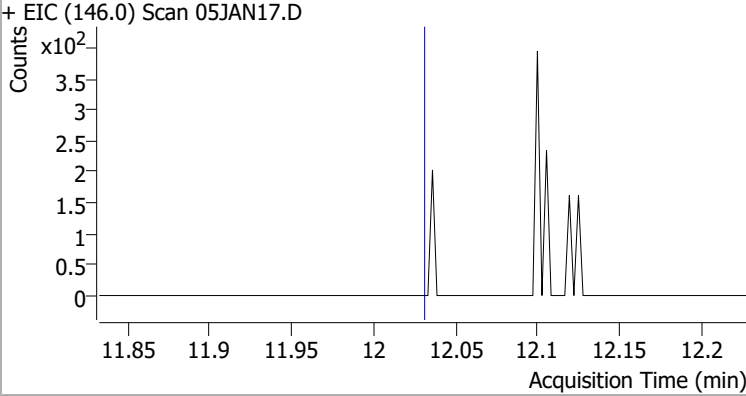
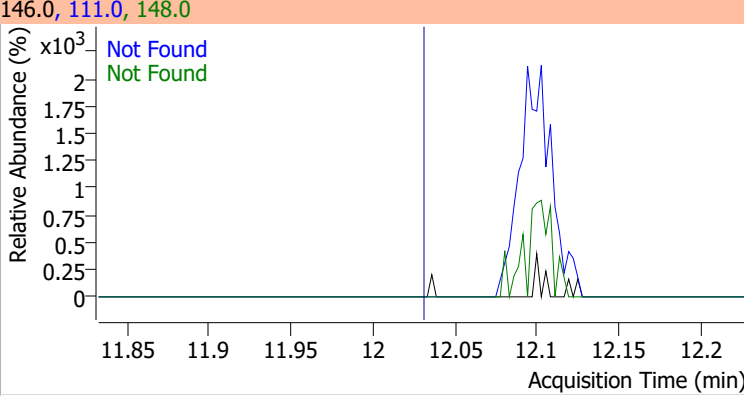
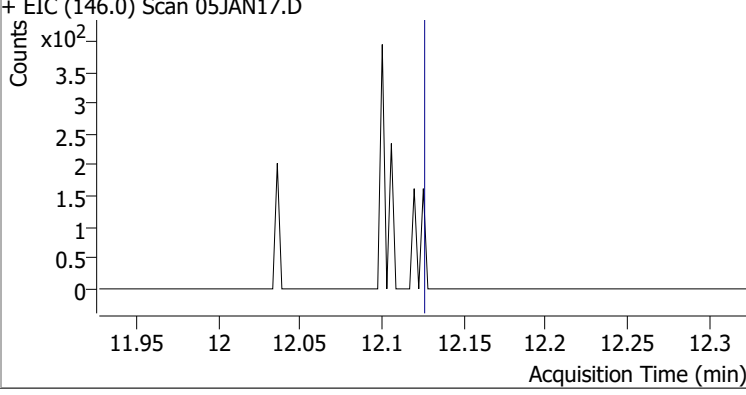
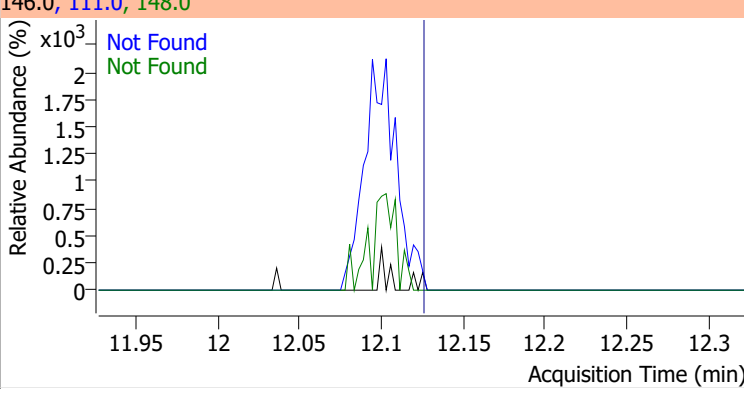
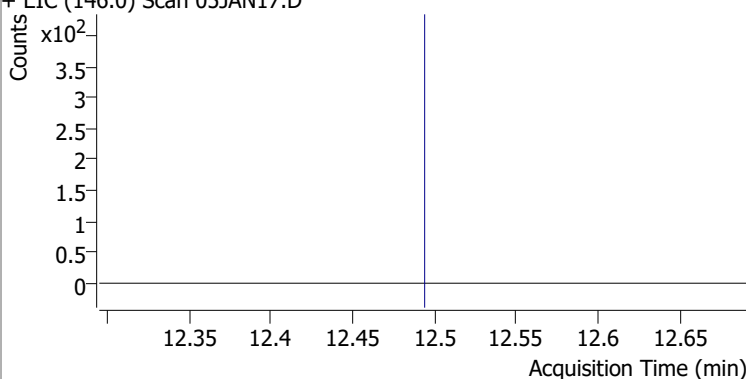
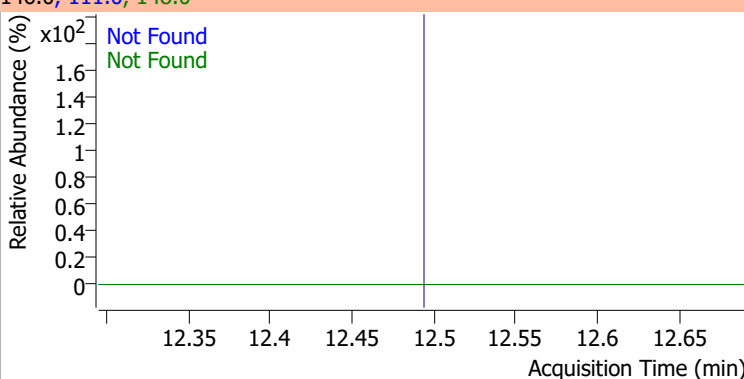
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| 1,2,3-Trichloropropane | N.D.  | 11.15  | 112.0 | 63.5      |



| Compound        | Conc. | Exp RT | QIon | Exp Ratio |
|-----------------|-------|--------|------|-----------|
| 2-Chlorotoluene | N.D.  | 11.29  | 91.0 | 282.3     |

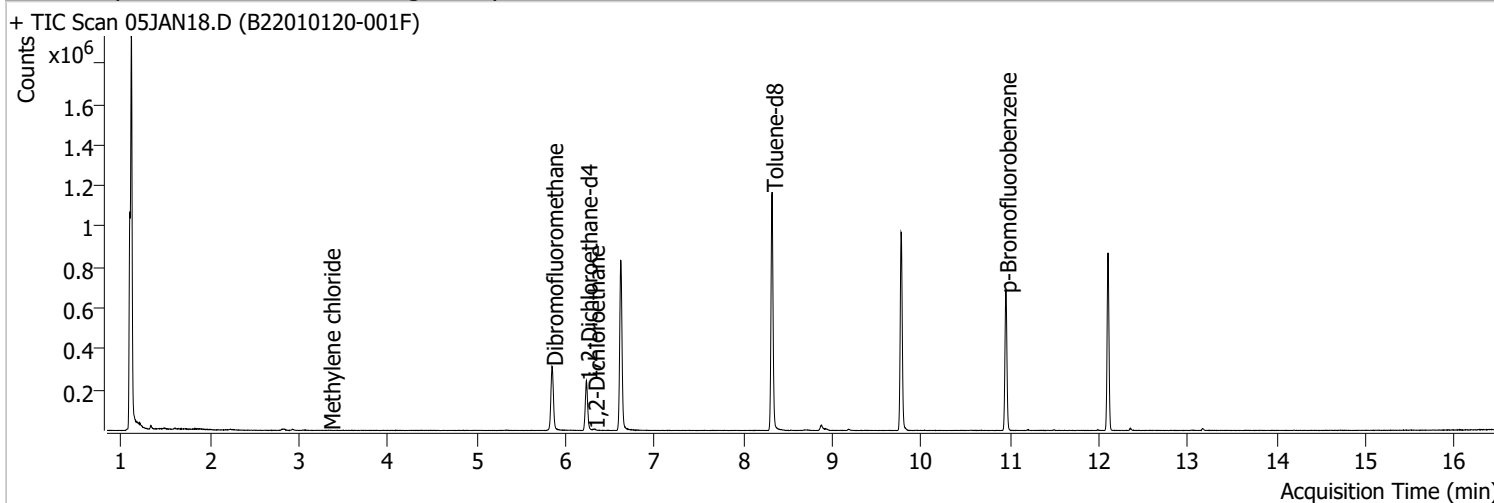


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |       |           |      |           |
|--|-------|--------|--|-----------|-------|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |       |           |      |           |
| + EIC (91.0) Scan 05JAN17.D  |       |        | 91.0, 126.0  |           |       |           |      |           |
|    |       |        |    |           |       |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon  | Exp Ratio | QIon | Exp Ratio |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | 111.0 | 39.8      |      |           |
| + EIC (146.0) Scan 05JAN17.D   |       |        | 146.0, 111.0, 148.0  |           |       |           |      |           |
|   |       |        |   |           |       |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon  | Exp Ratio | QIon | Exp Ratio |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | 111.0 | 39.1      |      |           |
| + EIC (146.0) Scan 05JAN17.D   |       |        | 146.0, 111.0, 148.0  |           |       |           |      |           |
|  |       |        |  |           |       |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon  | Exp Ratio | QIon | Exp Ratio |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | 111.0 | 41.0      |      |           |
| + EIC (146.0) Scan 05JAN17.D   |       |        | 146.0, 111.0, 148.0  |           |       |           |      |           |
|  |       |        |  |           |       |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN18.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 5:49:37 PM   |
| Sample Name    | B22010120-001F                      | Instrument        | VOA5975C              |
| Vial           | 18                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|----------|----|------|-------|-------|-------|----------|
|----------|----|------|-------|-------|-------|----------|

**Internal Standards**

|                          |        |       |        |          |    |        |
|--------------------------|--------|-------|--------|----------|----|--------|
| M Fluorobenzene          | 6.618  | 96.0  | 706175 | 250.0000 | ng | -0.006 |
| M Chlorobenzene-d5       | 9.772  | 82.0  | 271496 | 250.0000 | ng | 0.000  |
| M 1,4-Dichlorobenzene-d4 | 12.100 | 152.0 | 209807 | 250.0000 | ng | 0.000  |

**System Monitoring Compounds**

|                         |                      |       |        |                    |    |        |
|-------------------------|----------------------|-------|--------|--------------------|----|--------|
| S Dibromofluoromethane  | 5.845                | 113.0 | 184693 | 277.6134           | ng | 0.000  |
| Spiked Amount: 250.000  | Range: 80.0 - 119.0% |       |        | Recovery = 111.05% |    |        |
| S 1,2-Dichloroethane-d4 | 6.233                | 67.0  | 84286  | 293.3150           | ng | 0.000  |
| Spiked Amount: 250.000  | Range: 81.0 - 118.0% |       |        | Recovery = 117.33% |    |        |
| S Toluene-d8            | 8.321                | 98.0  | 706225 | 269.9354           | ng | 0.003  |
| Spiked Amount: 250.000  | Range: 89.0 - 112.0% |       |        | Recovery = 107.97% |    |        |
| S p-Bromofluorobenzene  | 10.948               | 95.0  | 205119 | 266.8629           | ng | -0.006 |
| Spiked Amount: 250.000  | Range: 85.0 - 114.0% |       |        | Recovery = 106.75% |    |        |

**Target Compounds**

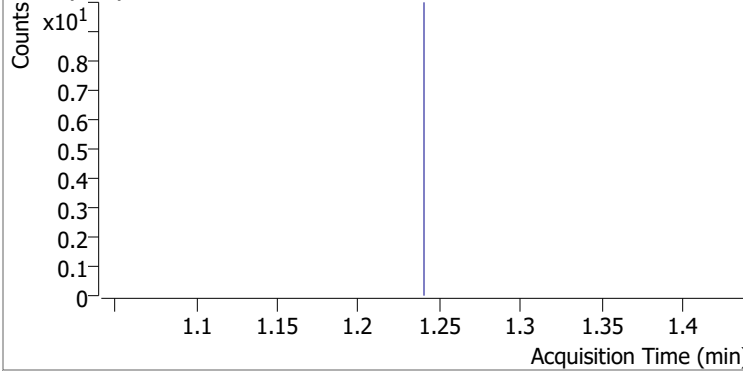
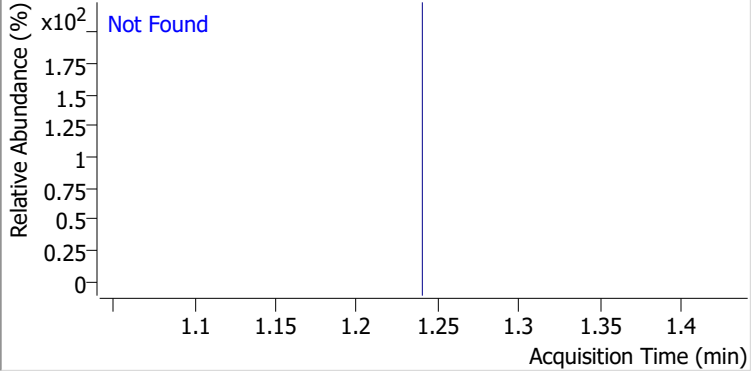
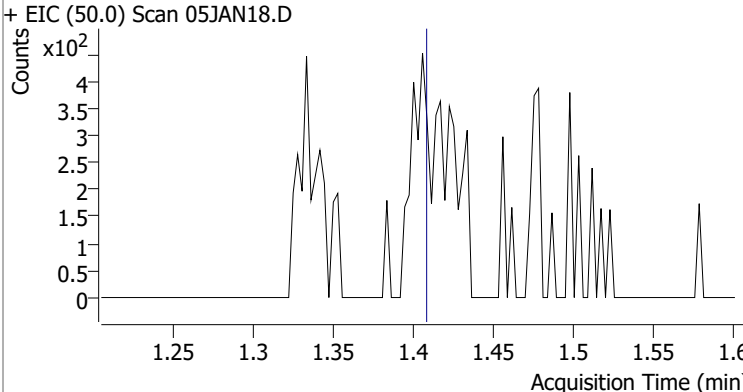
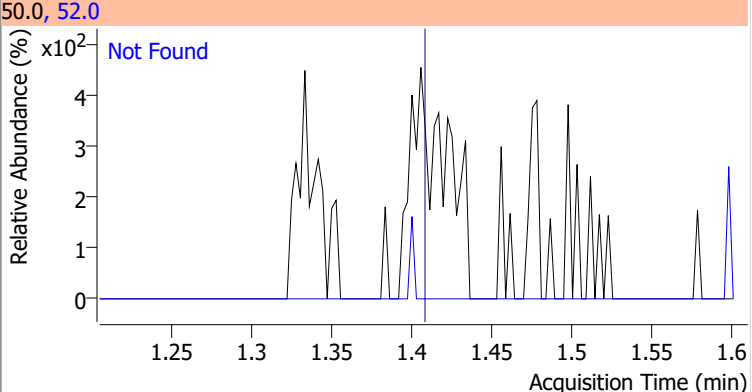
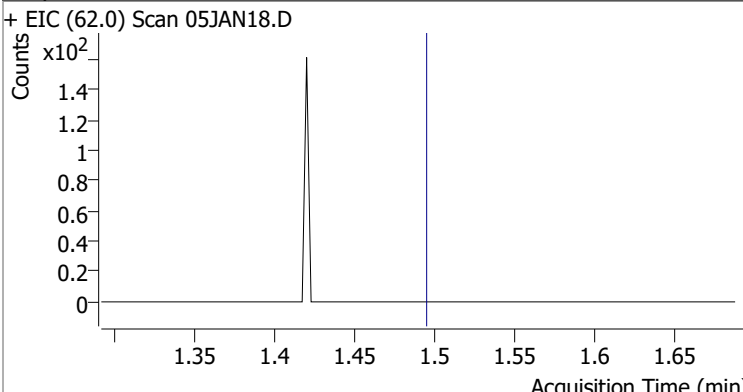
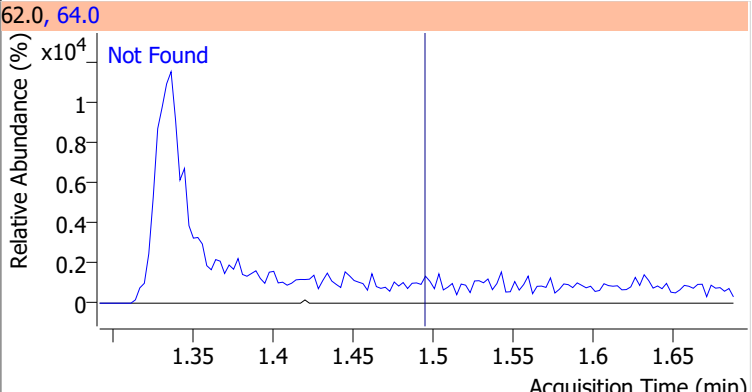
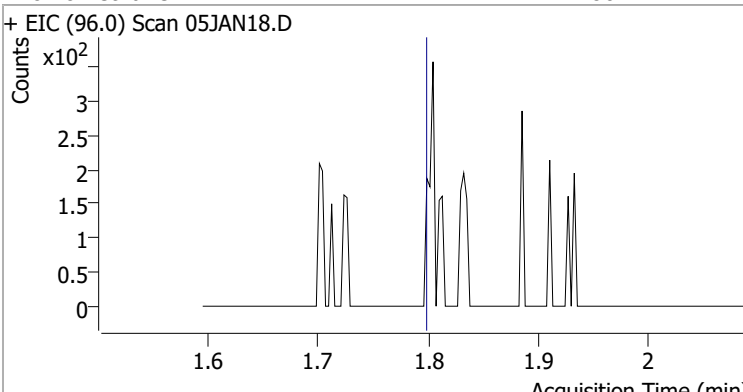
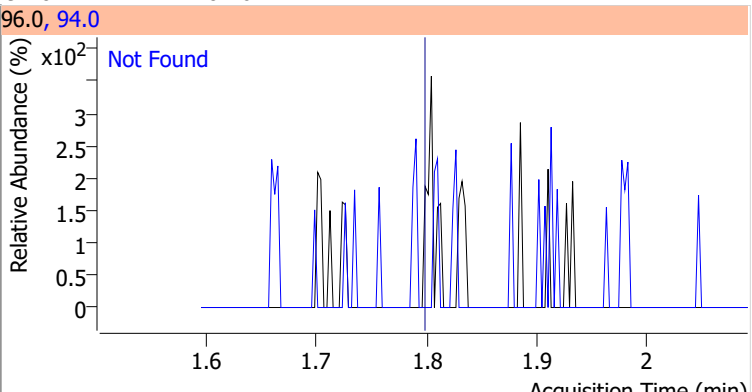
| Compound                         | RT    | QIon | Resp. | Conc.  | Units | QValue |
|----------------------------------|-------|------|-------|--------|-------|--------|
| T Dichlorodifluoromethane        | 0.000 |      | 0     | N.D.   |       |        |
| T Chloromethane                  | 0.000 |      | 0     | N.D.   |       |        |
| T Vinyl chloride                 | 0.000 |      | 0     | N.D.   |       |        |
| T Bromomethane                   | 0.000 |      | 0     | N.D.   |       |        |
| T Chloroethane                   | 0.000 |      | 0     | N.D.   |       |        |
| T Trichlorofluoromethane         | 0.000 |      | 0     | N.D.   |       |        |
| T 1,1-Dichloroethene             | 0.000 |      | 0     | N.D.   |       |        |
| T Methylene chloride             | 3.341 | 49.0 | 441   | 0.4210 | ng m  | 97     |
| T trans-1,2-Dichloroethene       | 0.000 |      | 0     | N.D.   |       |        |
| T Methyl tert-butyl ether (MTBE) | 0.000 |      | 0     | N.D.   |       |        |
| T 1,1-Dichloroethane             | 0.000 |      | 0     | N.D.   |       |        |
| T 2,2-Dichloropropane            | 0.000 |      | 0     | N.D.   |       |        |
| T cis-1,2-Dichloroethene         | 0.000 |      | 0     | N.D.   |       |        |
| T Methyl ethyl ketone            | 0.000 |      | 0     | N.D.   |       |        |
| T Bromochloromethane             | 0.000 |      | 0     | N.D.   |       |        |
| T Chloroform                     | 0.000 |      | 0     | N.D.   |       |        |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.  | Units | Dev(Min) |
|-----------------------------|--------|-------|-------|--------|-------|----------|
| T 1,1,1-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |          |
| T Carbon tetrachloride      | 0.000  |       | 0     | N.D.   |       |          |
| T 1,1-Dichloropropene       | 0.000  |       | 0     | N.D.   |       |          |
| T Benzene                   | 0.000  |       | 0     | N.D.   |       |          |
| T 1,2-Dichloroethane        | 6.316  | 62.0  | 4564  | 6.0003 | ng    | 96       |
| T Trichloroethene           | 0.000  |       | 0     | N.D.   |       |          |
| T 1,2-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |          |
| T Dibromomethane            | 0.000  |       | 0     | N.D.   |       |          |
| T Bromodichloromethane      | 0.000  |       | 0     | N.D.   |       |          |
| T cis-1,3-Dichloropropene   | 0.000  |       | 0     | N.D.   |       |          |
| T Toluene                   | 0.000  |       | 0     | N.D.   |       |          |
| T trans-1,3-Dichloropropene | 0.000  |       | 0     | N.D.   |       |          |
| T 1,1,2-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |          |
| T Tetrachloroethene         | 0.000  |       | 0     | N.D.   |       |          |
| T 1,3-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |          |
| T Chlorodibromomethane      | 0.000  |       | 0     | N.D.   |       |          |
| T 1,2-Dibromoethane         | 0.000  |       | 0     | N.D.   |       |          |
| T Chlorobenzene             | 0.000  |       | 0     | N.D.   |       |          |
| T 1,1,1,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |          |
| T Ethylbenzene              | 0.000  |       | 0     | N.D.   |       |          |
| T m+p-Xylenes               | 10.045 | 106.0 | 0     |        | ng md | 1        |
| T o-Xylene                  | 0.000  |       | 0     | N.D.   |       |          |
| T Styrene                   | 0.000  |       | 0     | N.D.   |       |          |
| T Bromoform                 | 0.000  |       | 0     | N.D.   |       |          |
| T Bromobenzene              | 0.000  |       | 0     | N.D.   |       |          |
| T 1,1,2,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |          |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.   |       |          |
| T 2-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |          |
| T 4-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |          |
| T 1,3-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |          |
| T 1,4-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |          |
| T 1,2-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |          |

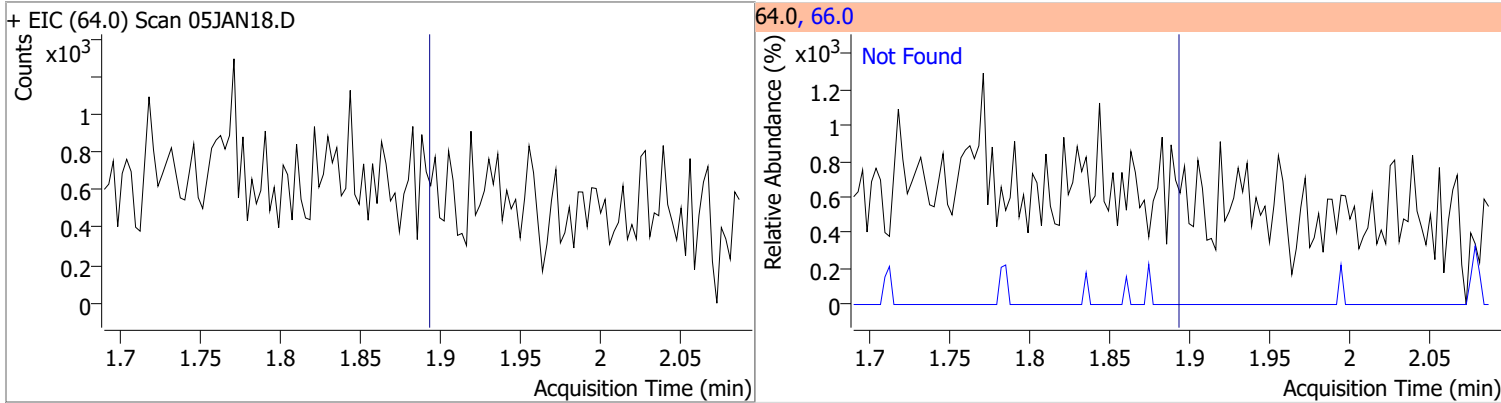
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

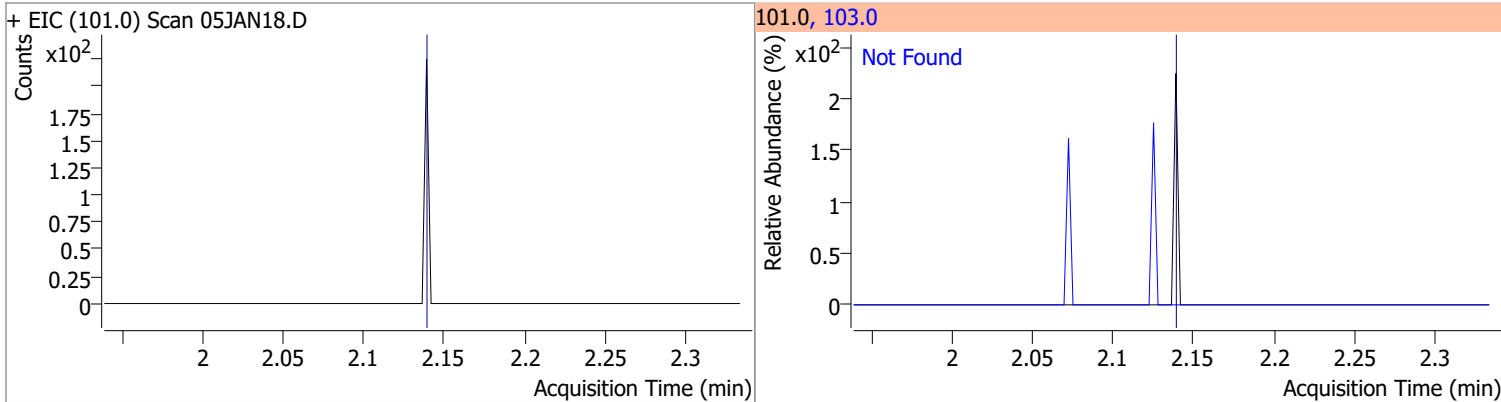
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| Dichlorodifluoromethane  | N.D.  | 1.24   | 87.0   | 32.3      |
| + EIC (85.0) Scan 05JAN18.D ***NO DATA POINTS***                                   |       |        | 85.0, 87.0   |           |
|    |       |        |    |           |
| Chloromethane  | N.D.  | 1.41   | 52.0   | 32.1      |
| + EIC (50.0) Scan 05JAN18.D  |       |        | 50.0, 52.0   |           |
|   |       |        |   |           |
| Vinyl chloride   | N.D.  | 1.50   | 64.0   | 29.9      |
| + EIC (62.0) Scan 05JAN18.D  |       |        | 62.0, 64.0   |           |
|  |       |        |  |           |
| Bromomethane   | N.D.  | 1.80   | 94.0   | 104.6     |
| + EIC (96.0) Scan 05JAN18.D  |       |        | 96.0, 94.0   |           |
|  |       |        |  |           |

# Quantitation Results Report (QT Reviewed)

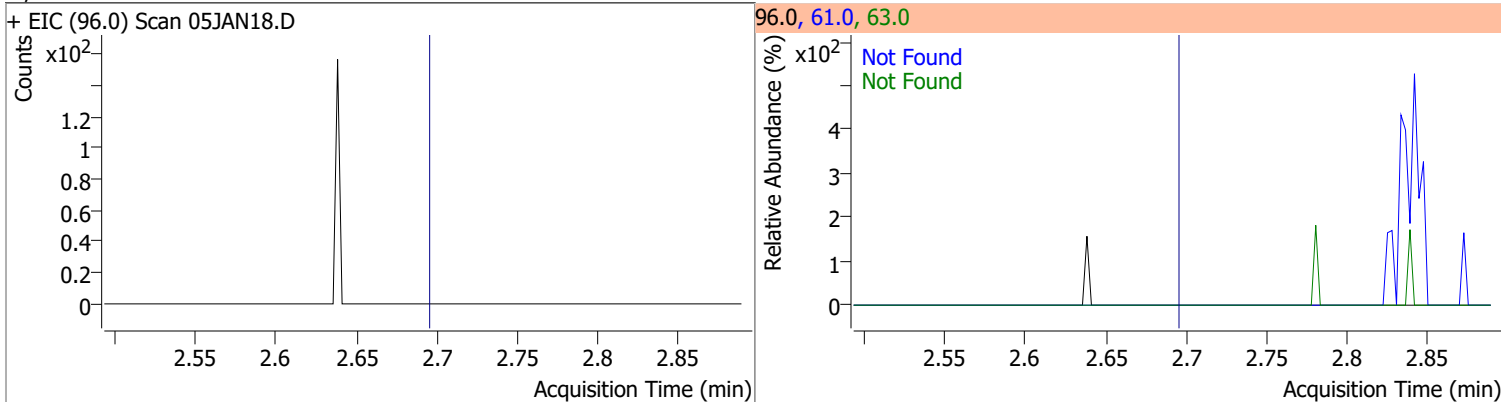
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



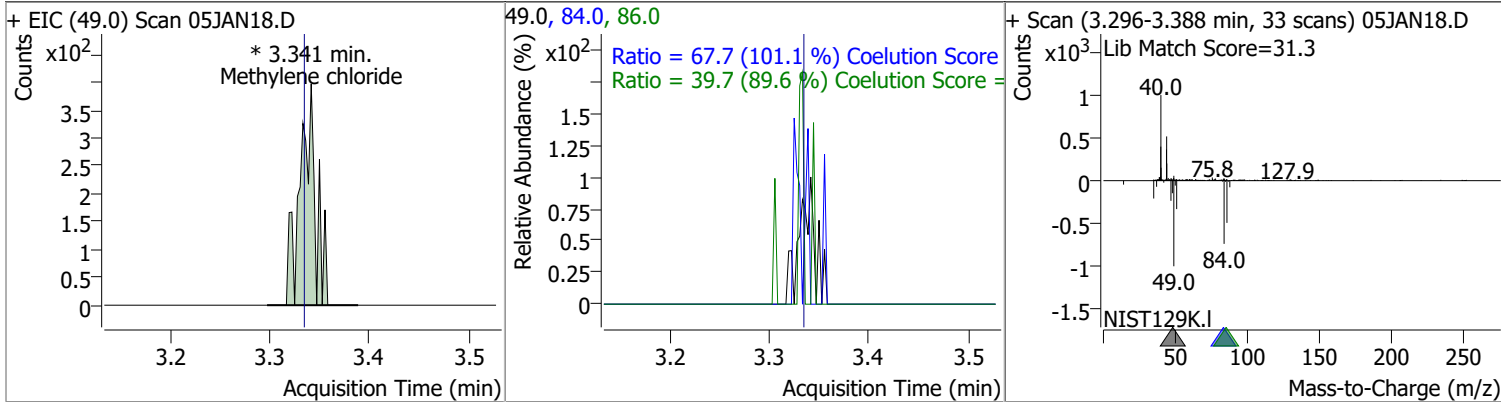
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

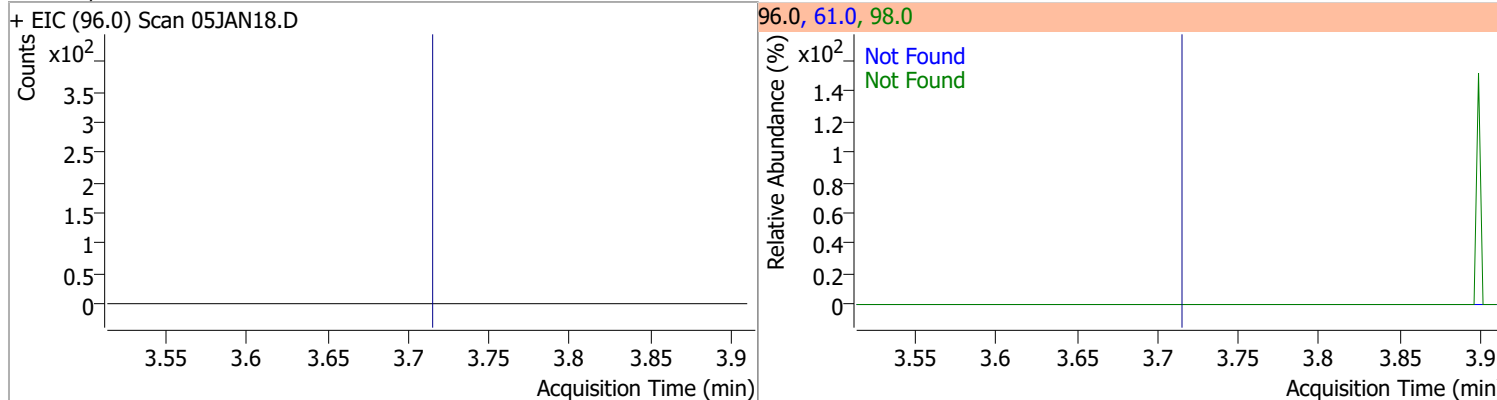


| Compound           | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|---------|------|--------|-------|-------|
| Methylene chloride | 0.4210 | 3.34 | 0.01     | 441 (m) | 84.0 | 67.7   | 36.9  | 96.9  |
|                    |        |      |          |         | 86.0 | 39.7   | 14.3  | 74.3  |

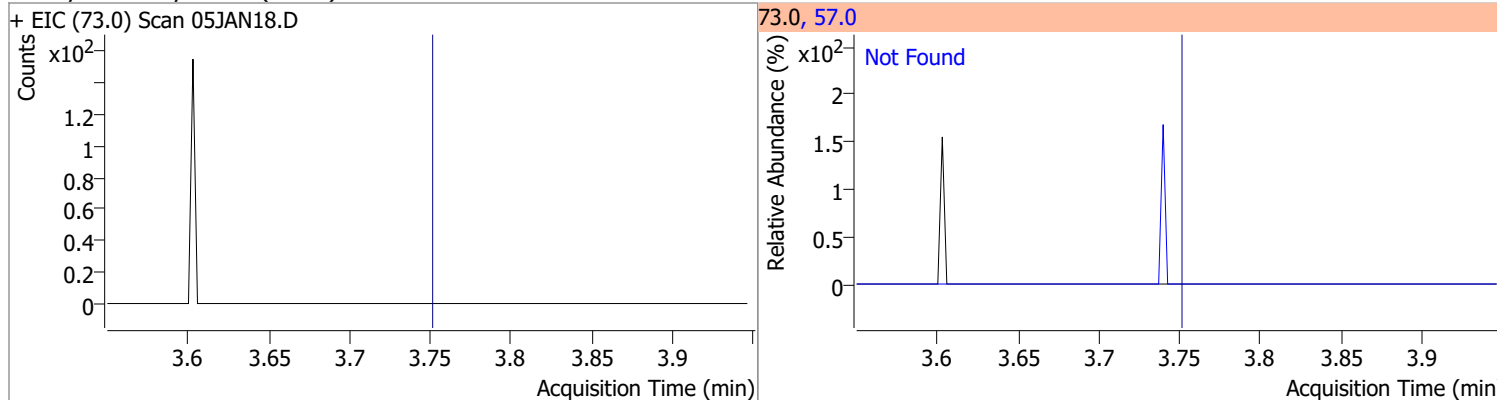


# Quantitation Results Report (QT Reviewed)

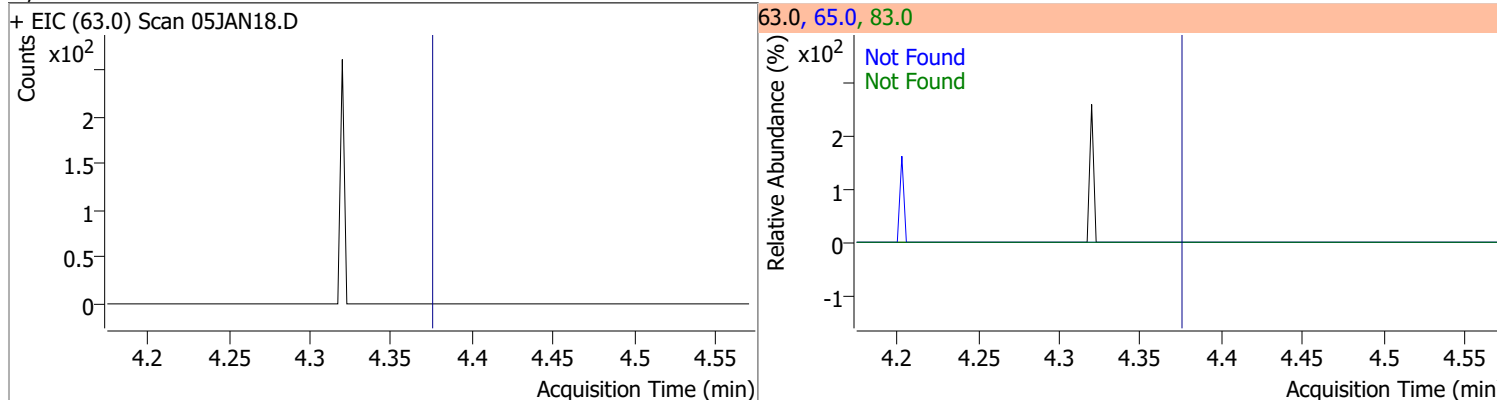
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



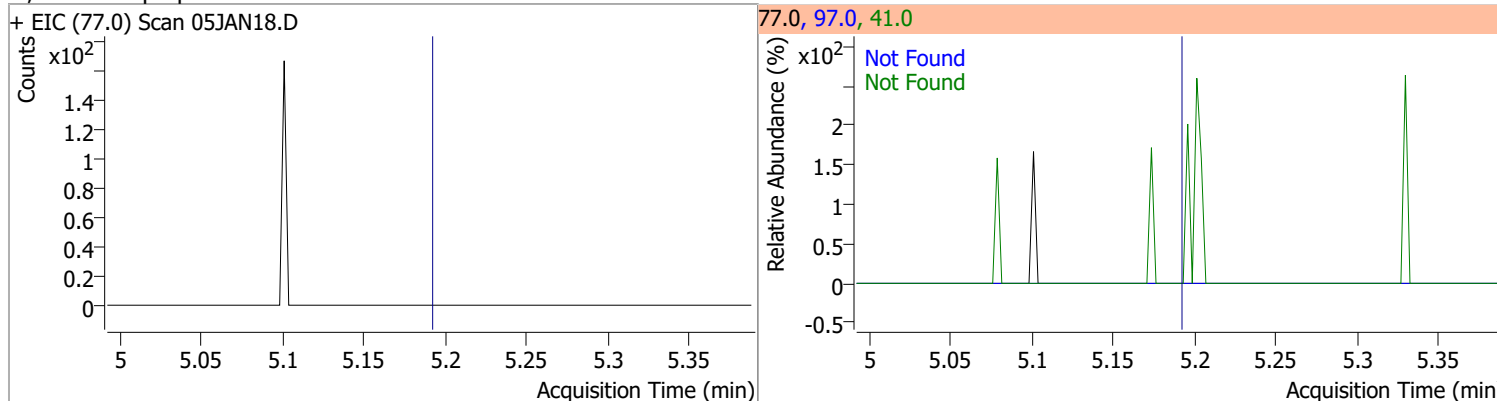
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

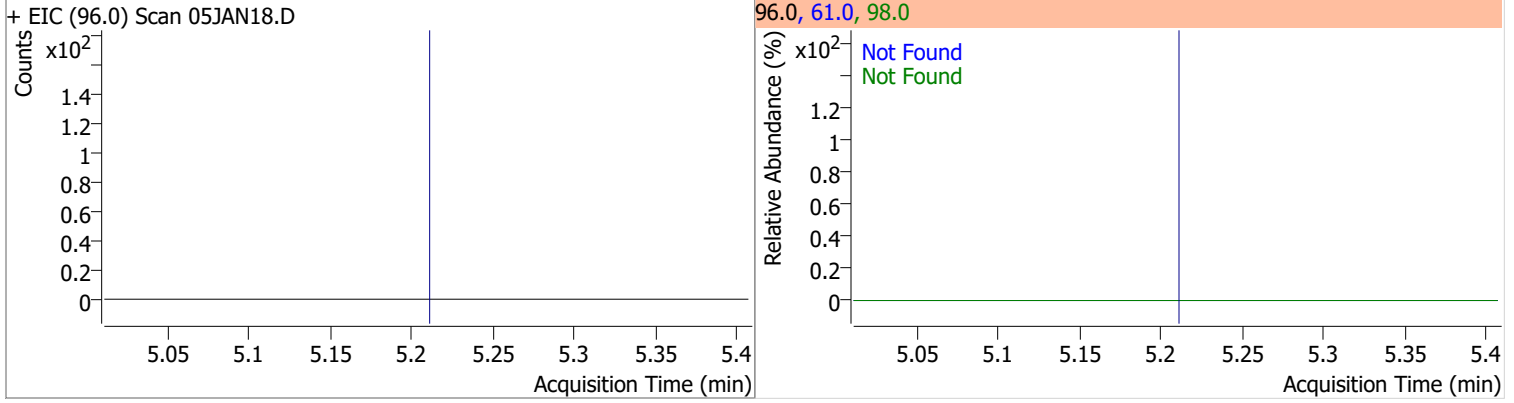


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

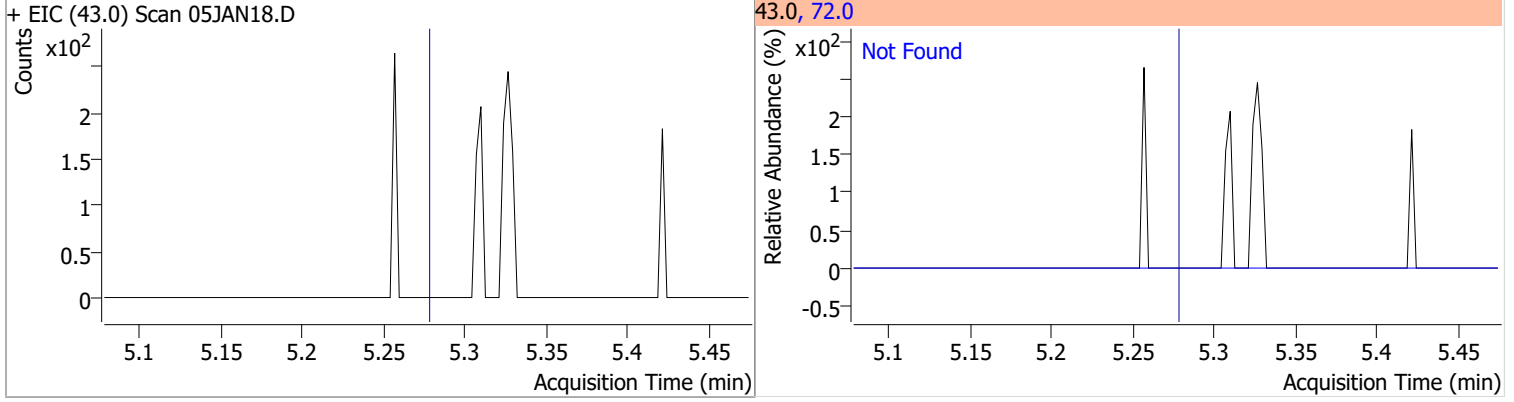


# Quantitation Results Report (QT Reviewed)

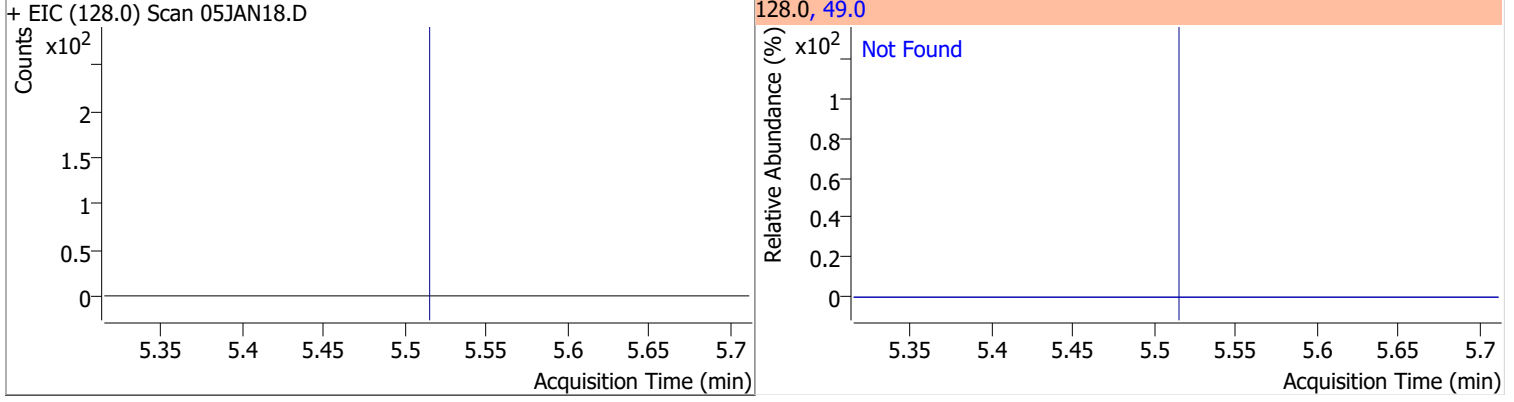
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



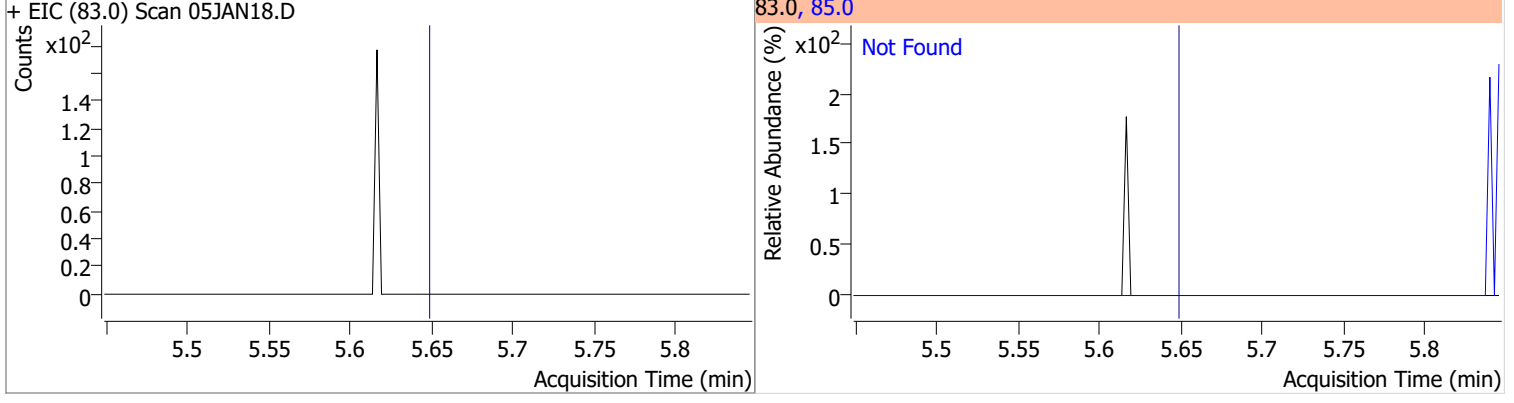
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |

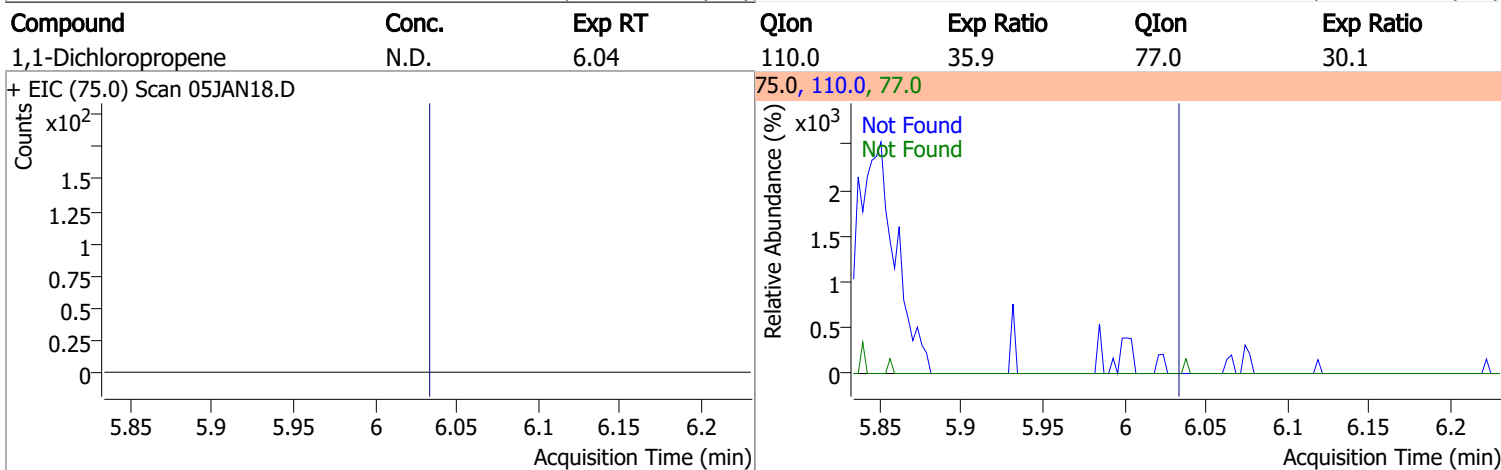
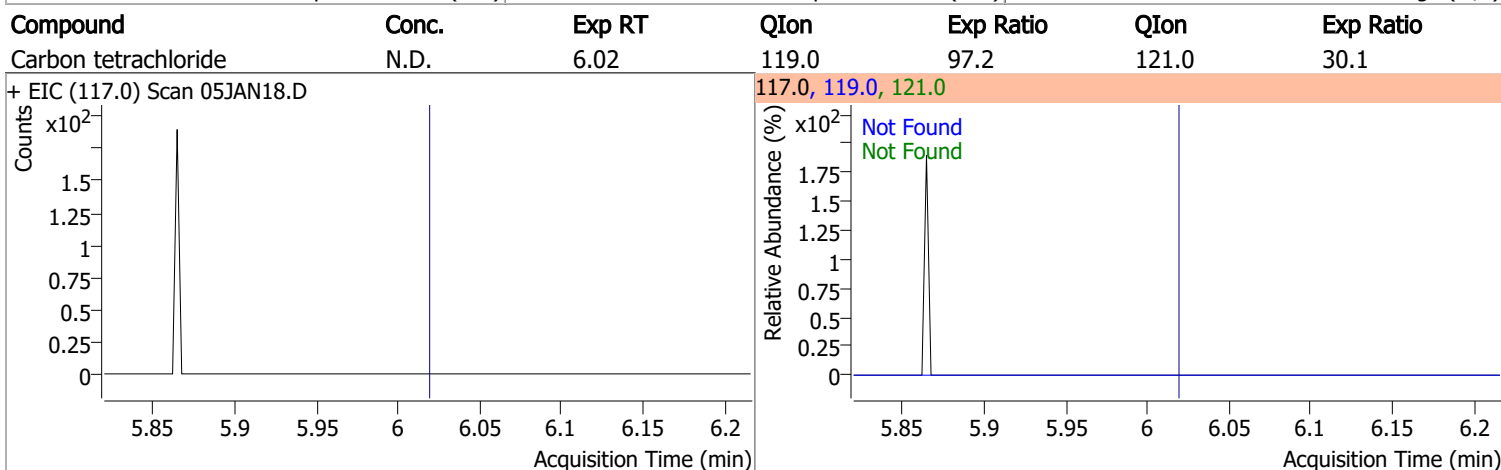
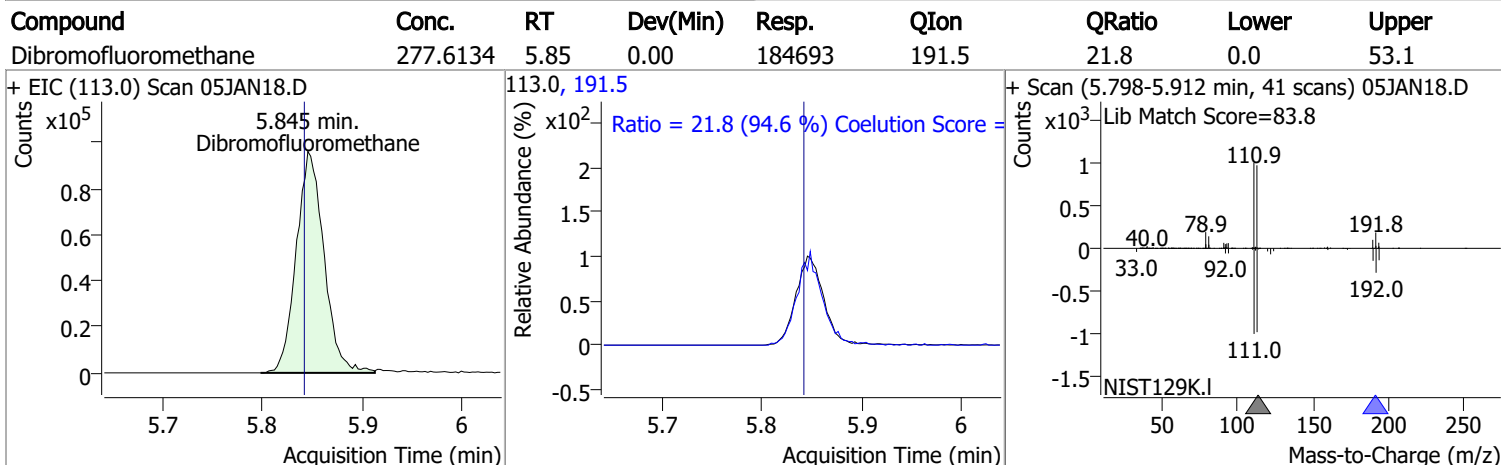
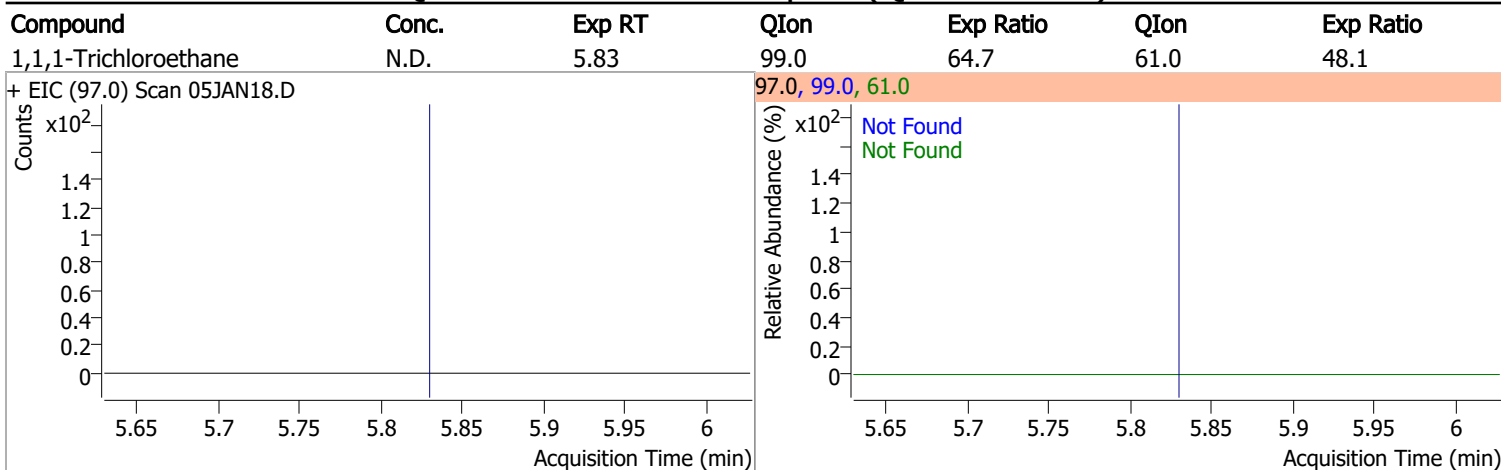


| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |



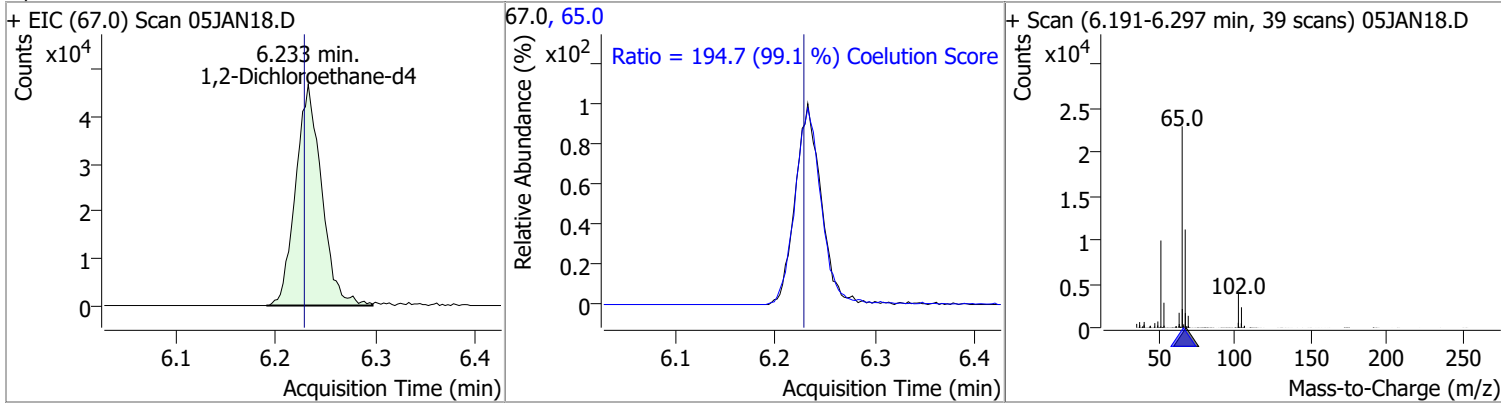


# Quantitation Results Report (QT Reviewed)

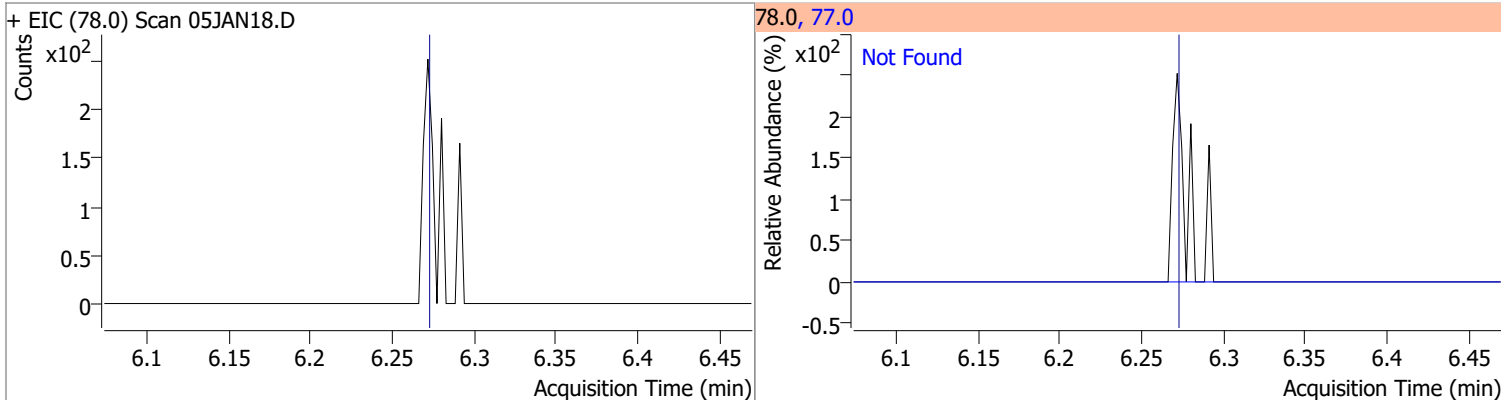


# Quantitation Results Report (QT Reviewed)

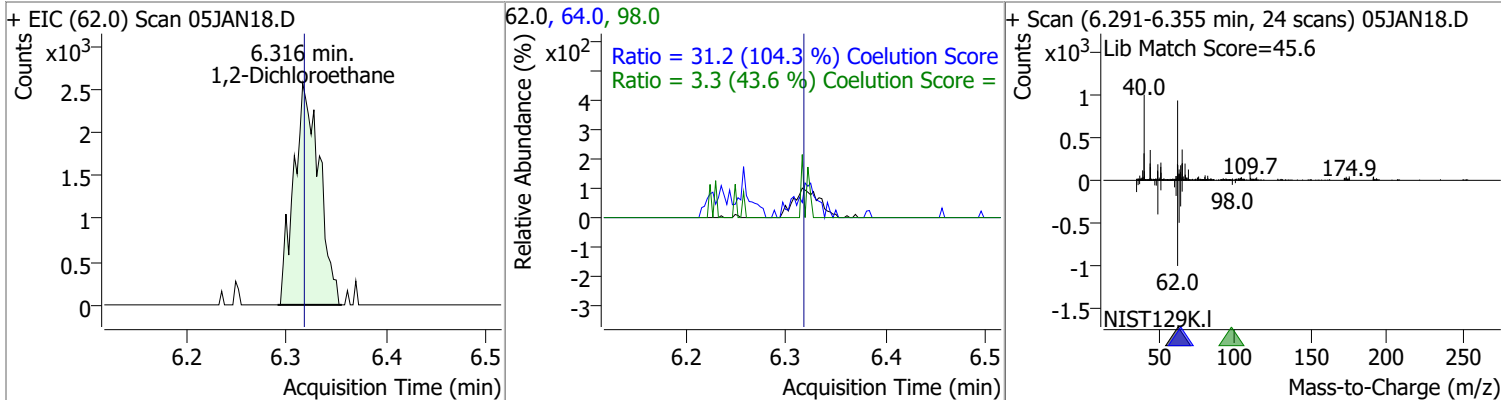
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 293.3150 | 6.23 | 0.00     | 84286 | 65.0 | 194.7  | 166.5 | 226.5 |



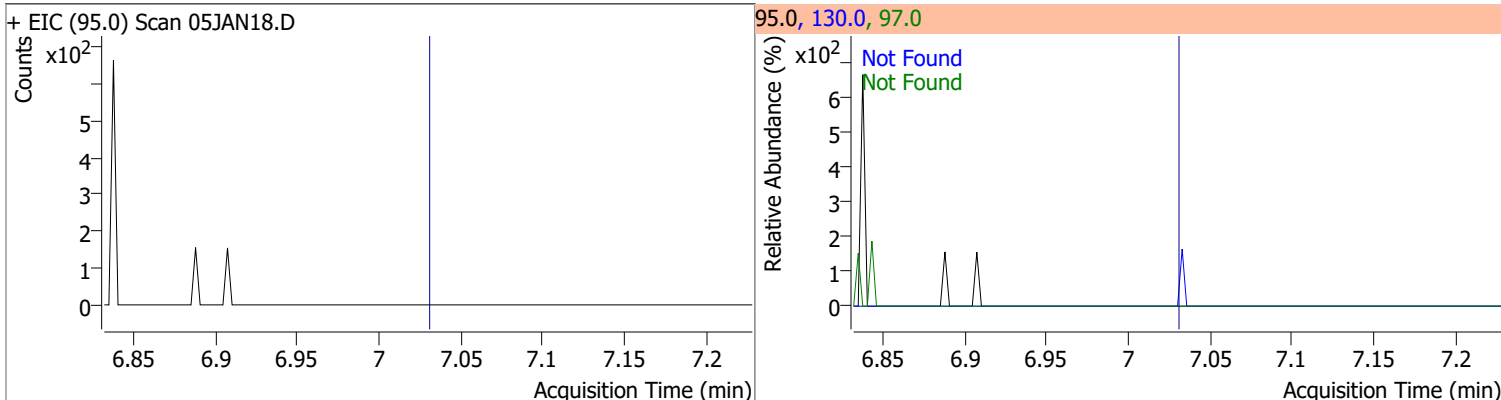
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



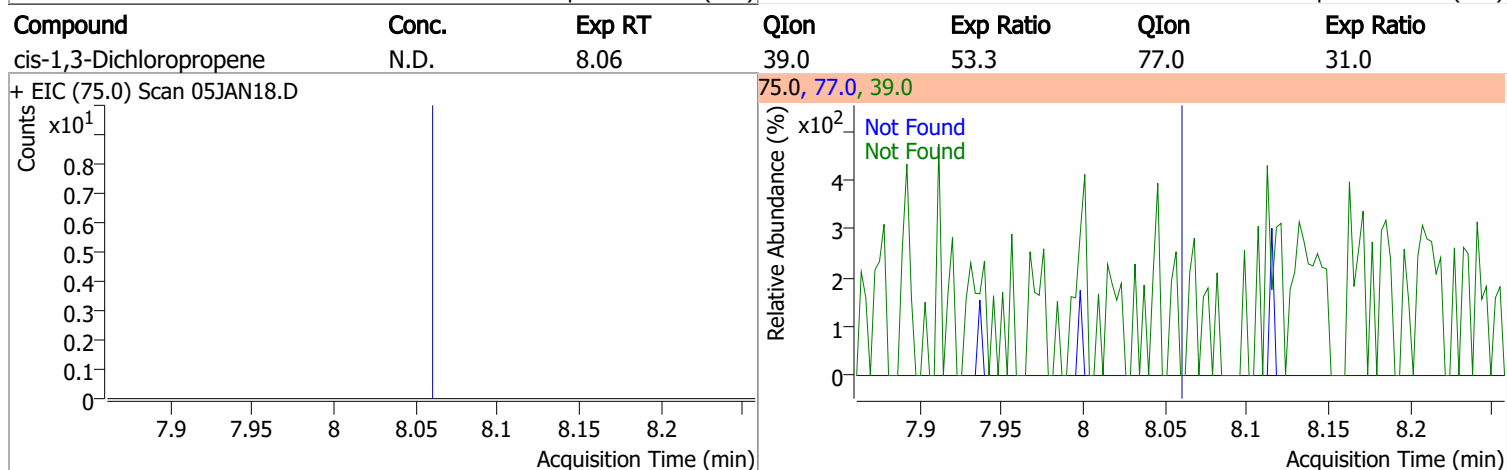
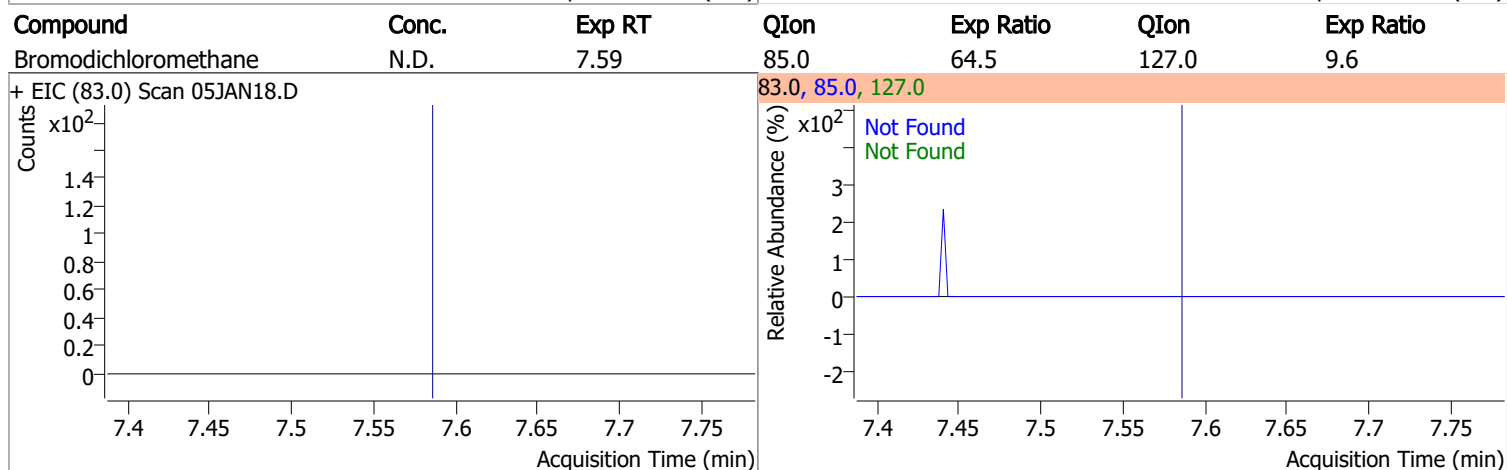
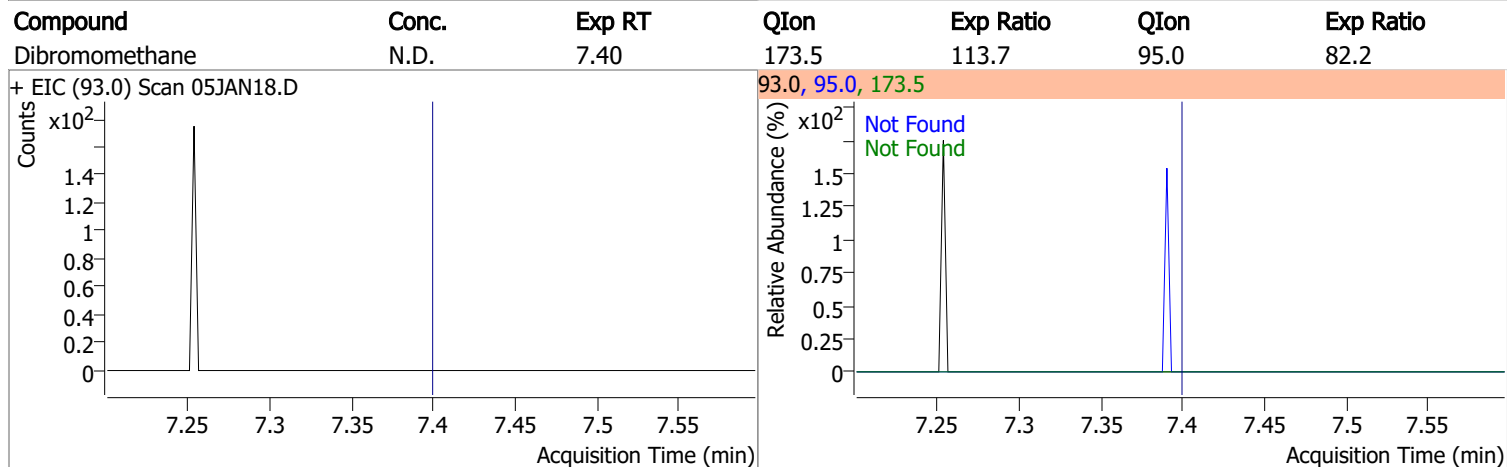
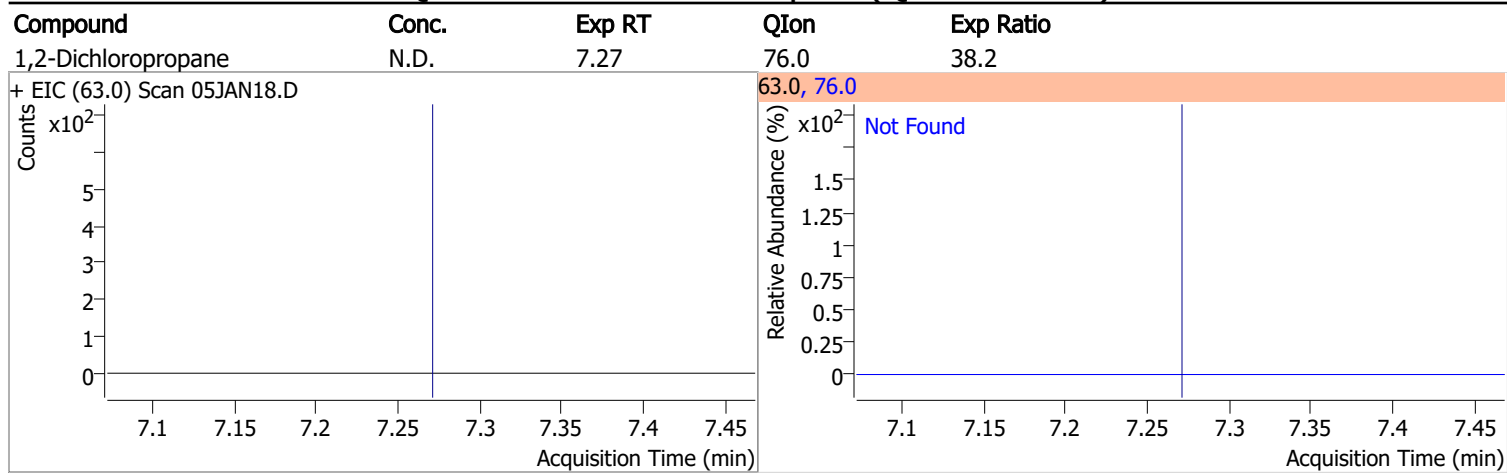
| Compound           | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane | 6.0003 | 6.32 | -0.01    | 4564  | 64.0 | 31.2   | 0.0   | 59.9  |
|                    |        |      |          |       | 98.0 | 3.3    | 0.0   | 37.6  |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

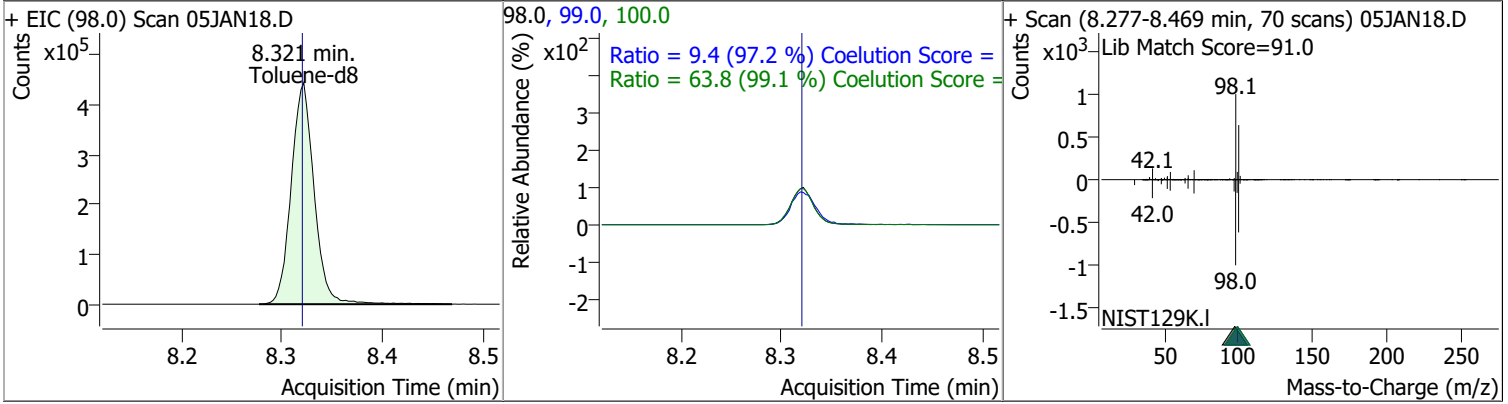


# Quantitation Results Report (QT Reviewed)

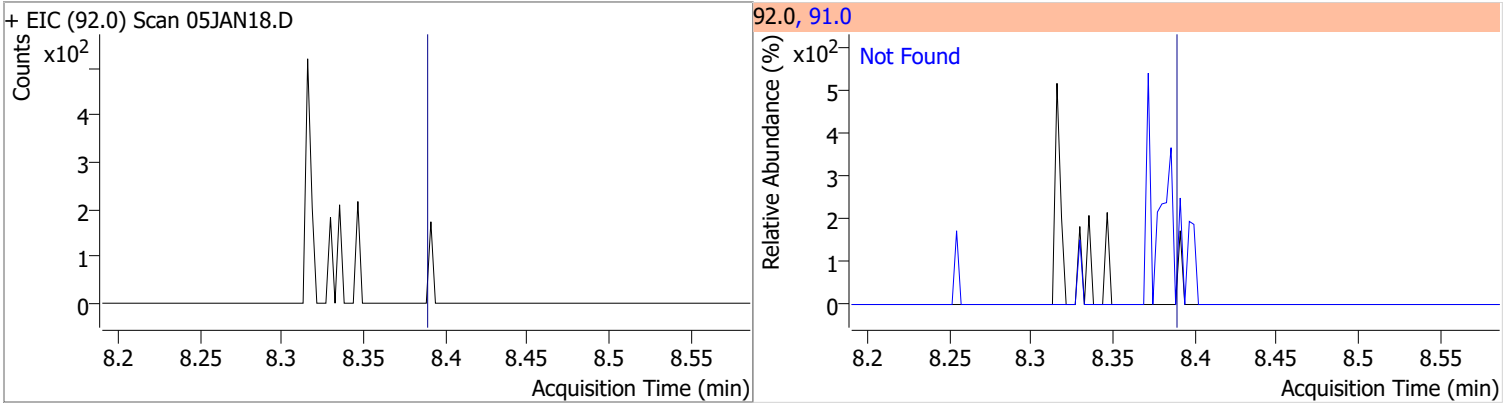


# Quantitation Results Report (QT Reviewed)

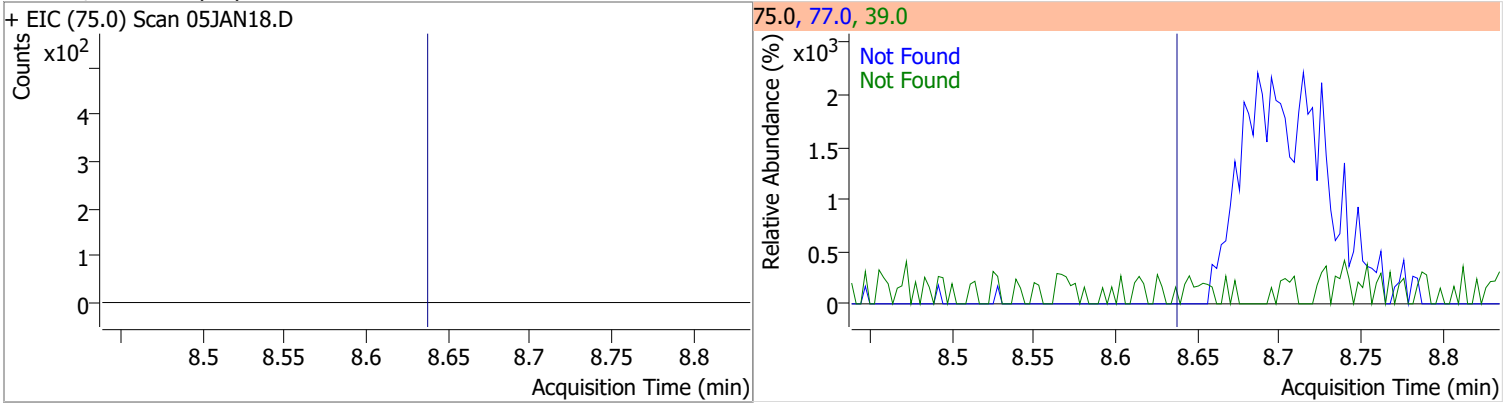
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 269.9354 | 8.32 | 0.00     | 706225 | 100.0 | 63.8   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.4    | 0.0   | 39.6  |



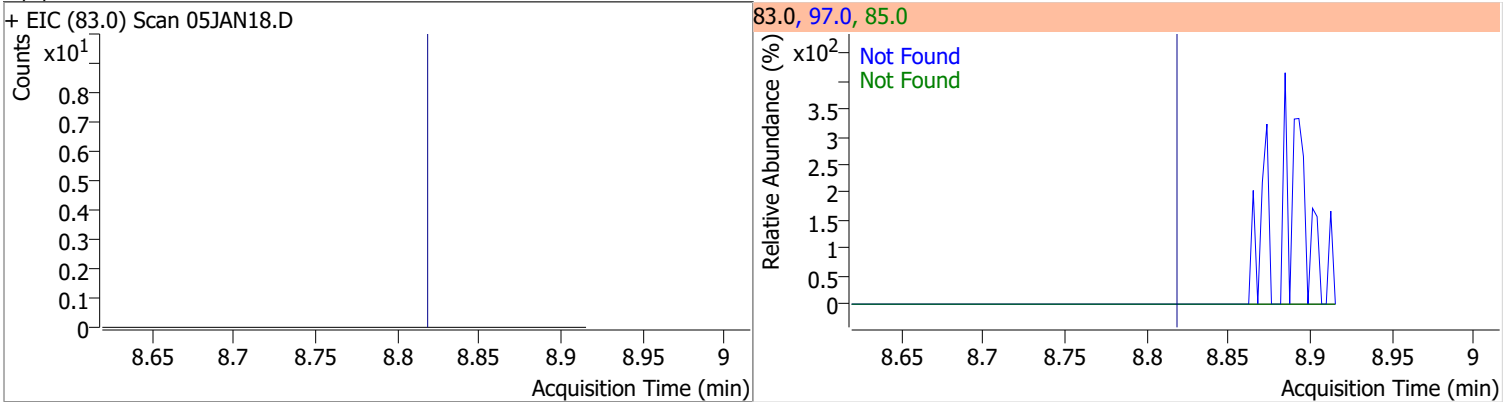
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Toluene  | N.D.  | 8.39   | 91.0 | 175.8     |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

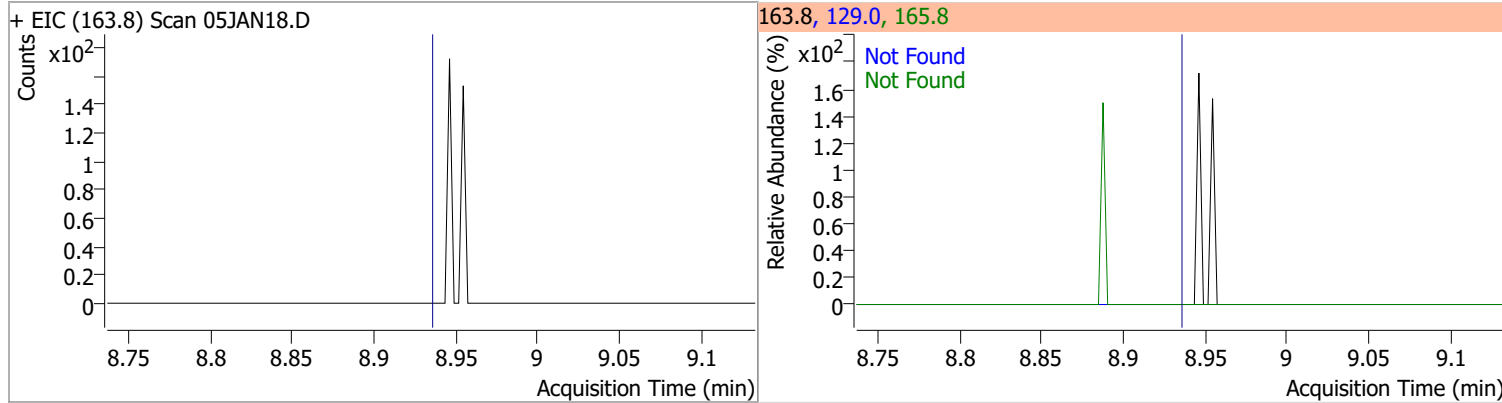


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

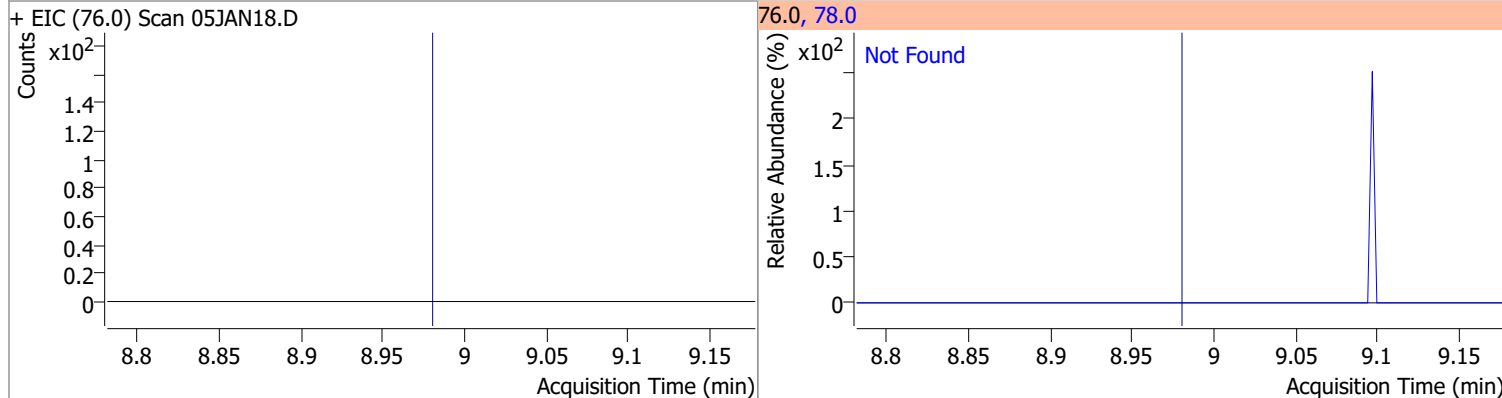


# Quantitation Results Report (QT Reviewed)

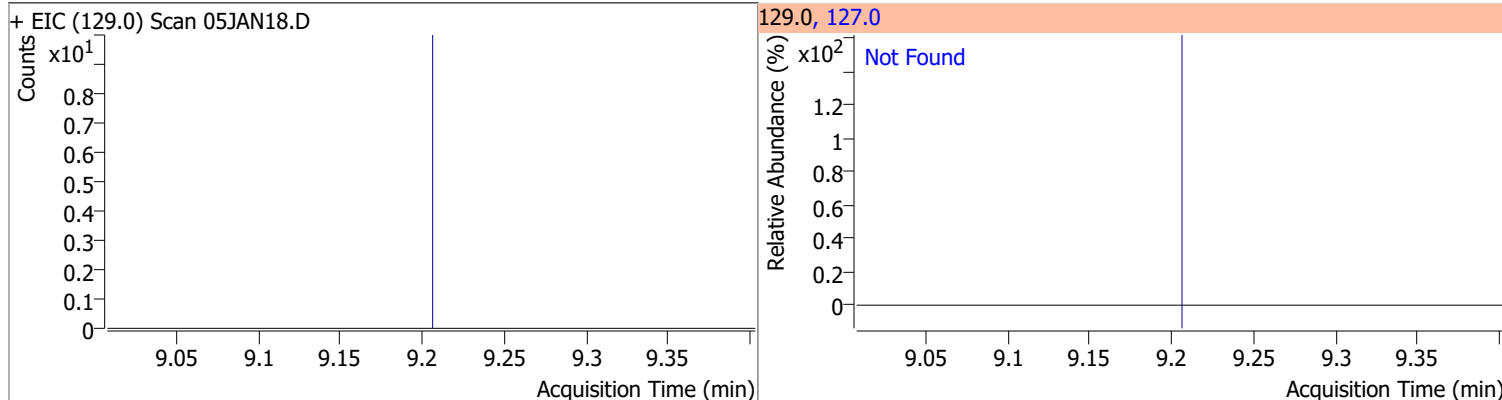
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



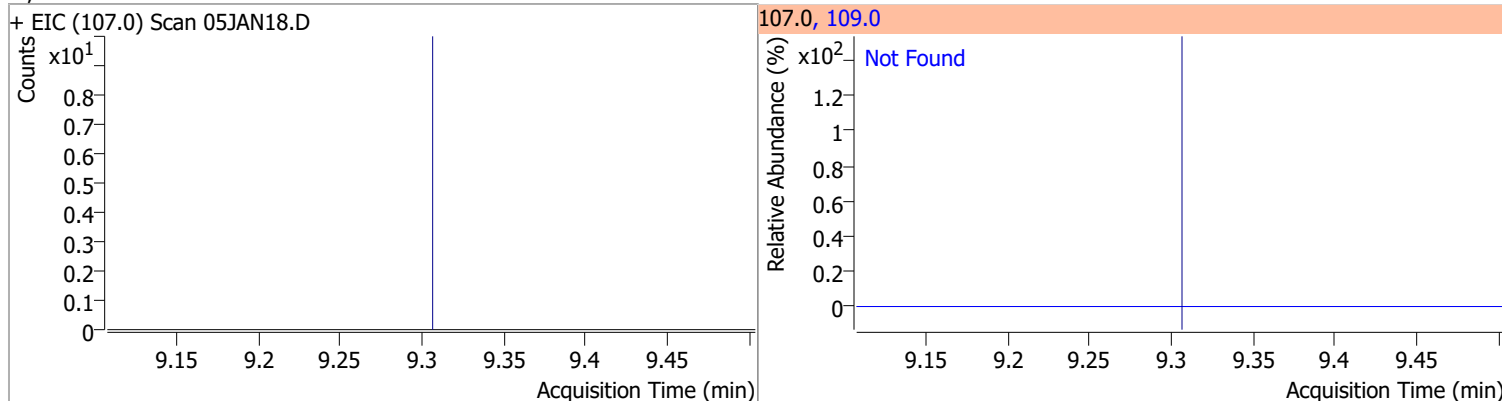
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



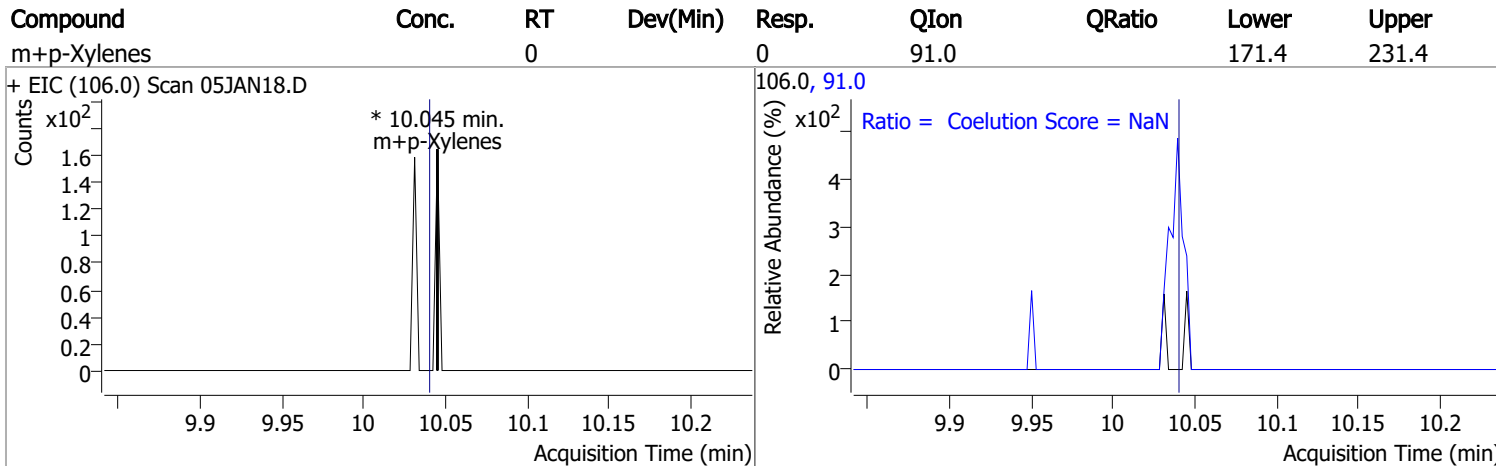
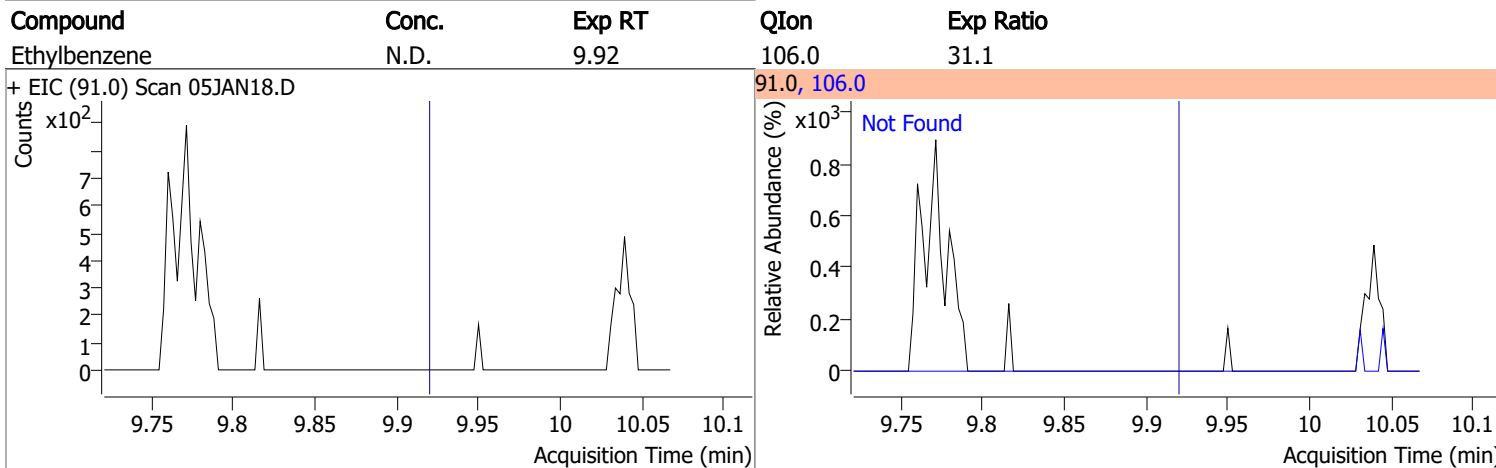
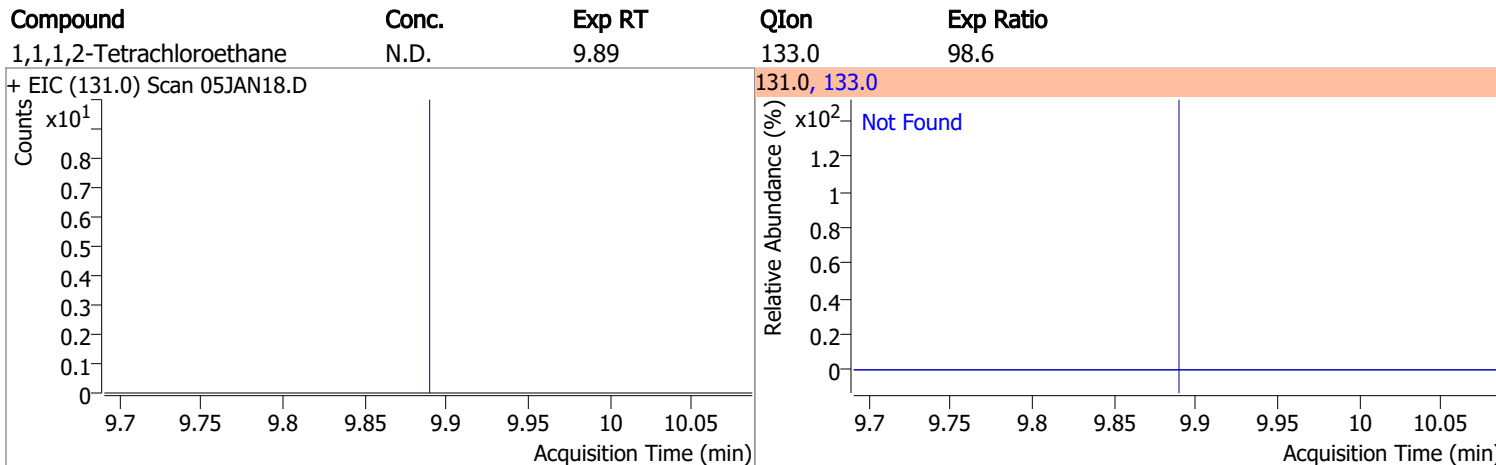
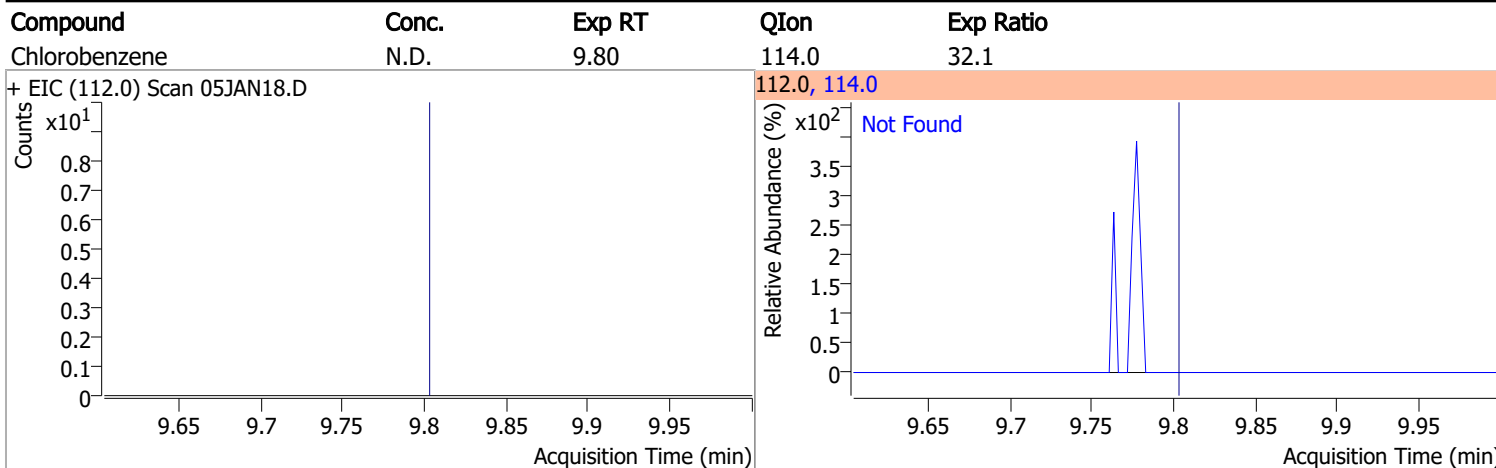
| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |



| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |

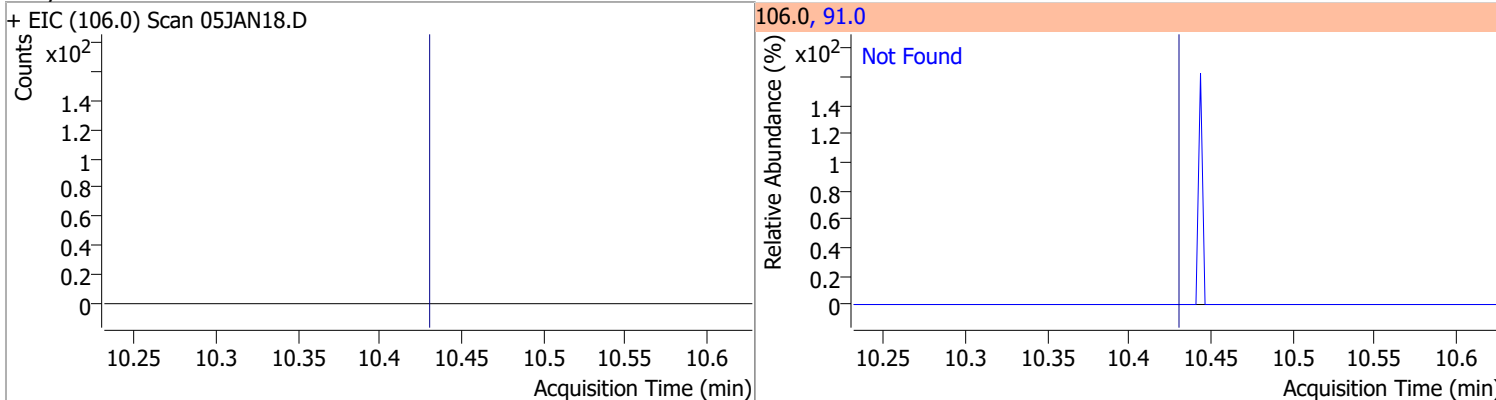


# Quantitation Results Report (QT Reviewed)

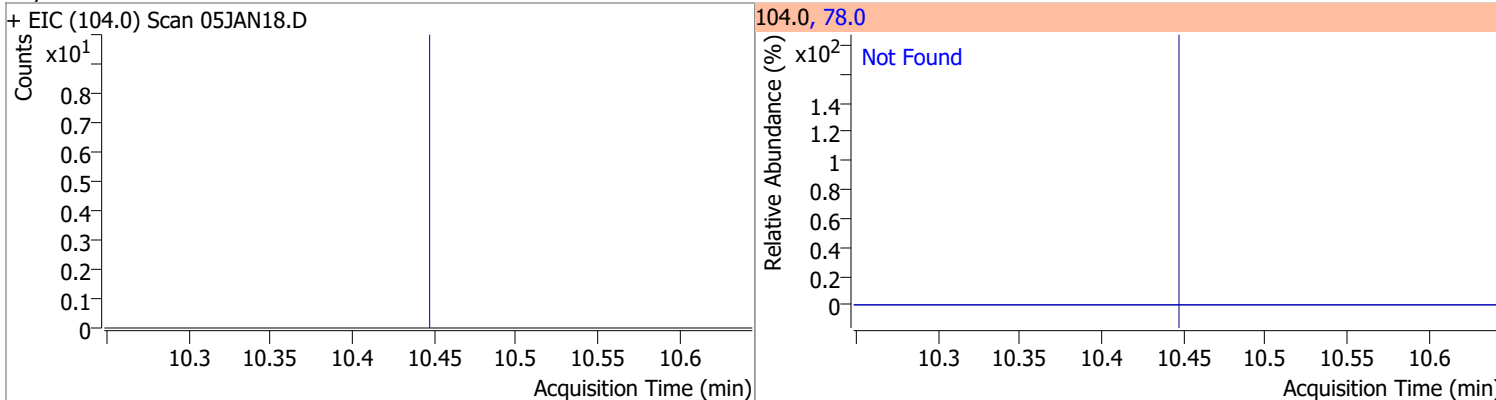


# Quantitation Results Report (QT Reviewed)

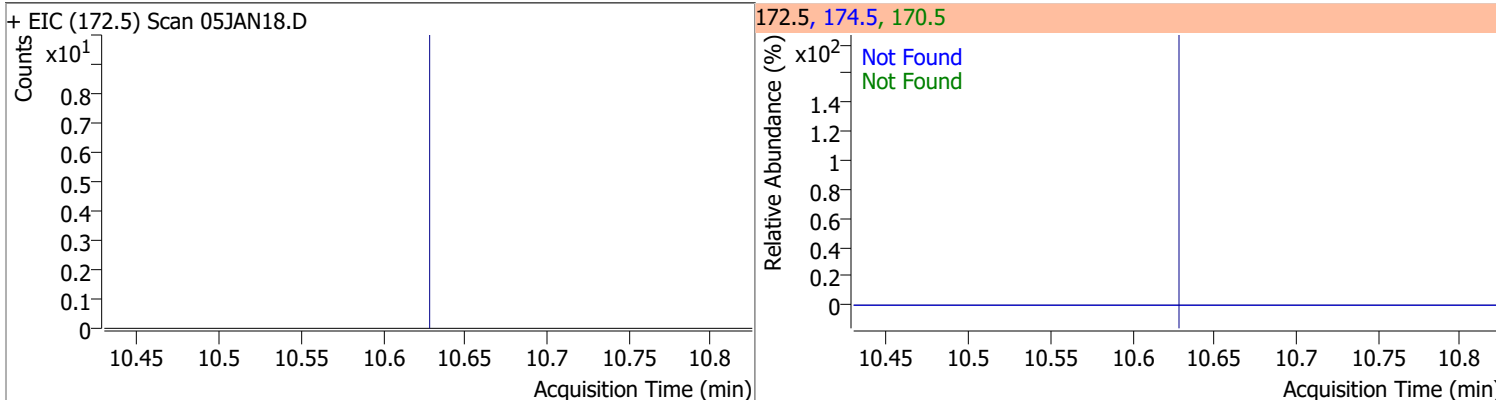
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| o-Xylene | N.D.  | 10.43  | 91.0 | 213.1     |



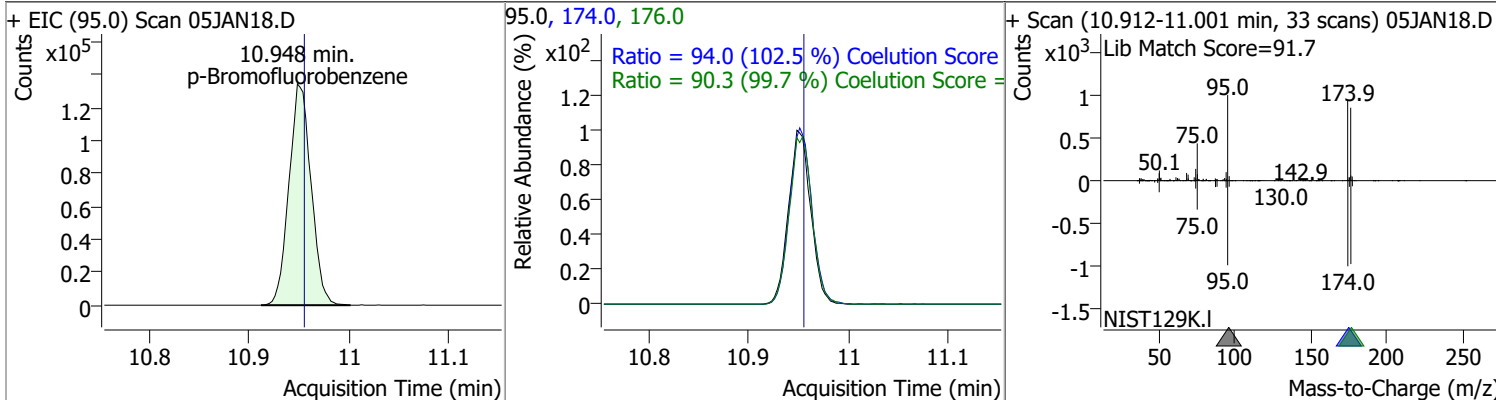
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Styrene  | N.D.  | 10.45  | 78.0 | 49.6      |



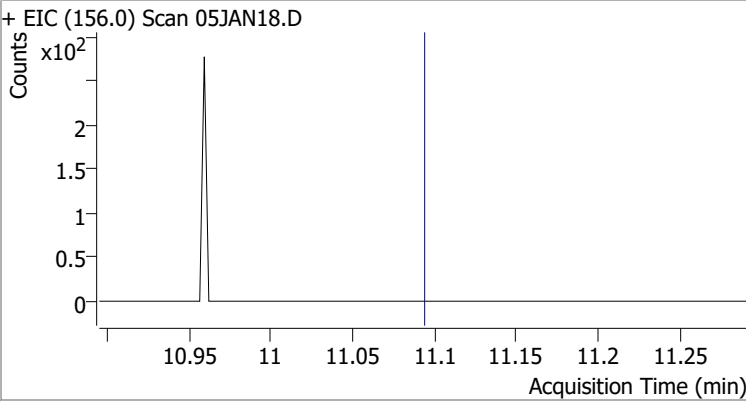
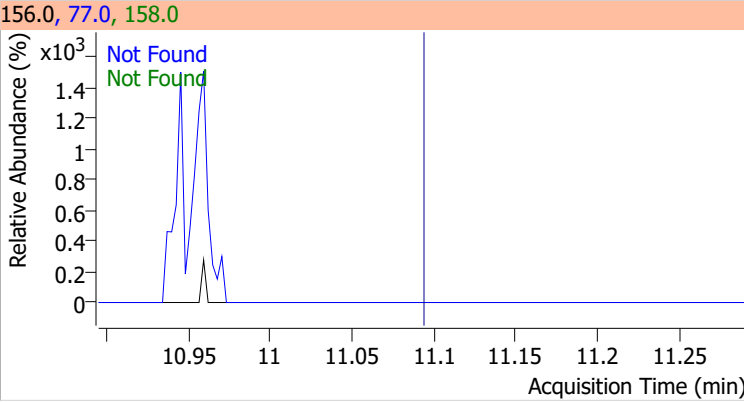
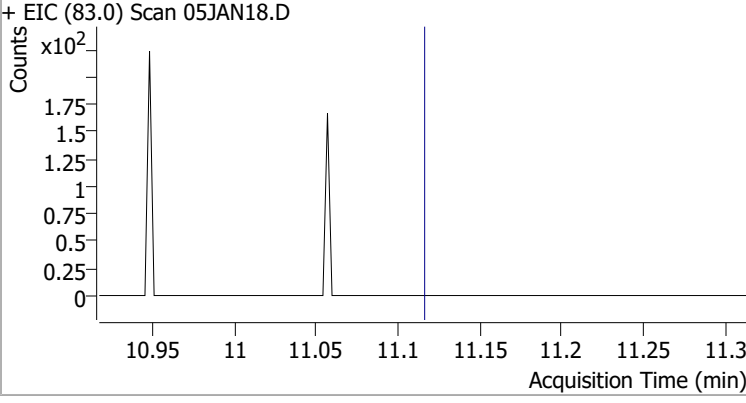
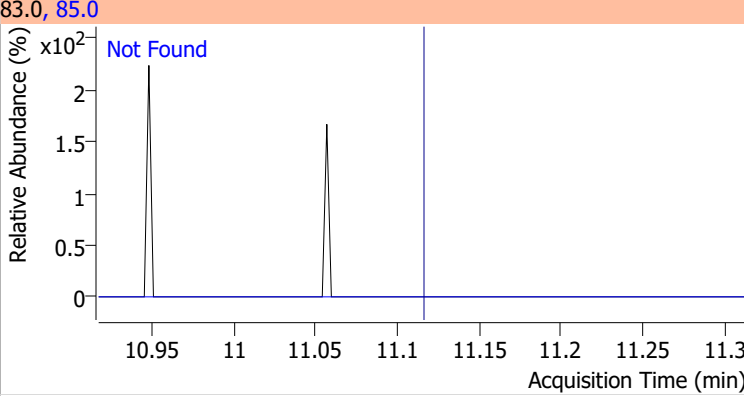
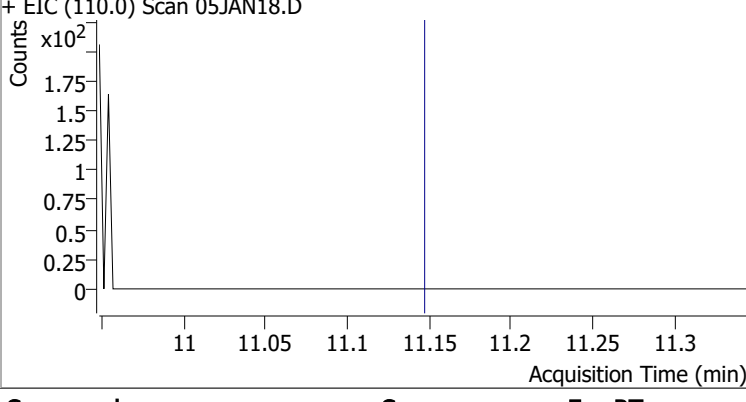
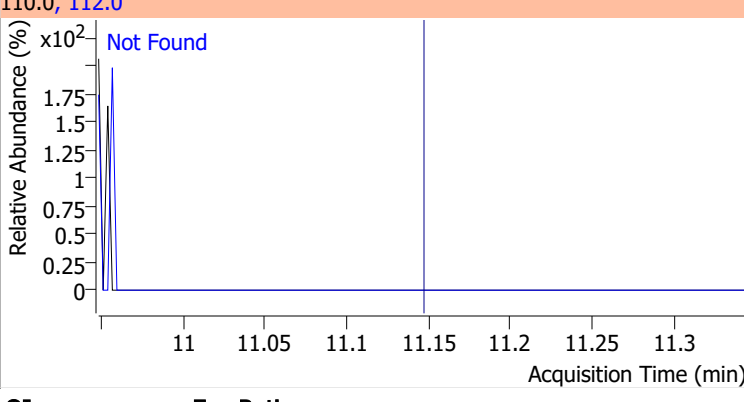
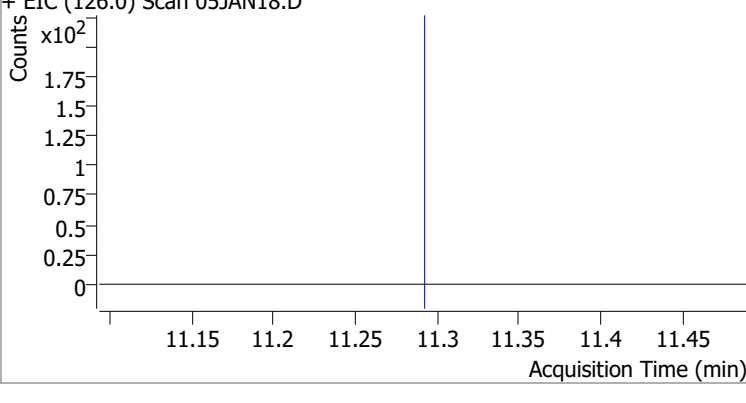
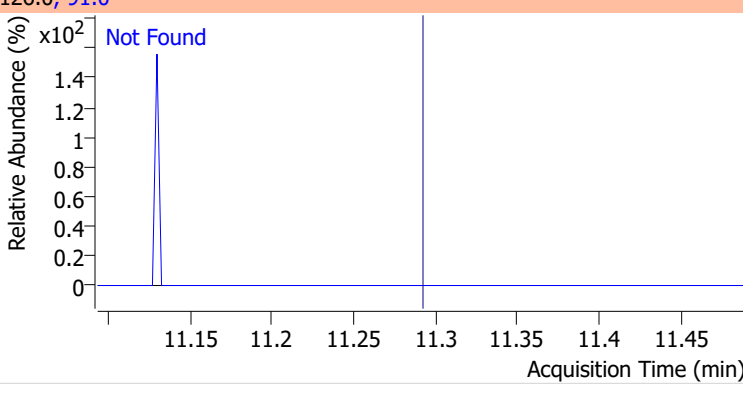
| Compound  | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-----------|-------|--------|-------|-----------|-------|-----------|
| Bromoform | N.D.  | 10.63  | 170.5 | 52.1      | 174.5 | 50.1      |



| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 266.8629 | 10.95 | -0.01    | 205119 | 174.0 | 94.0   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 90.3   | 60.6  | 120.6 |

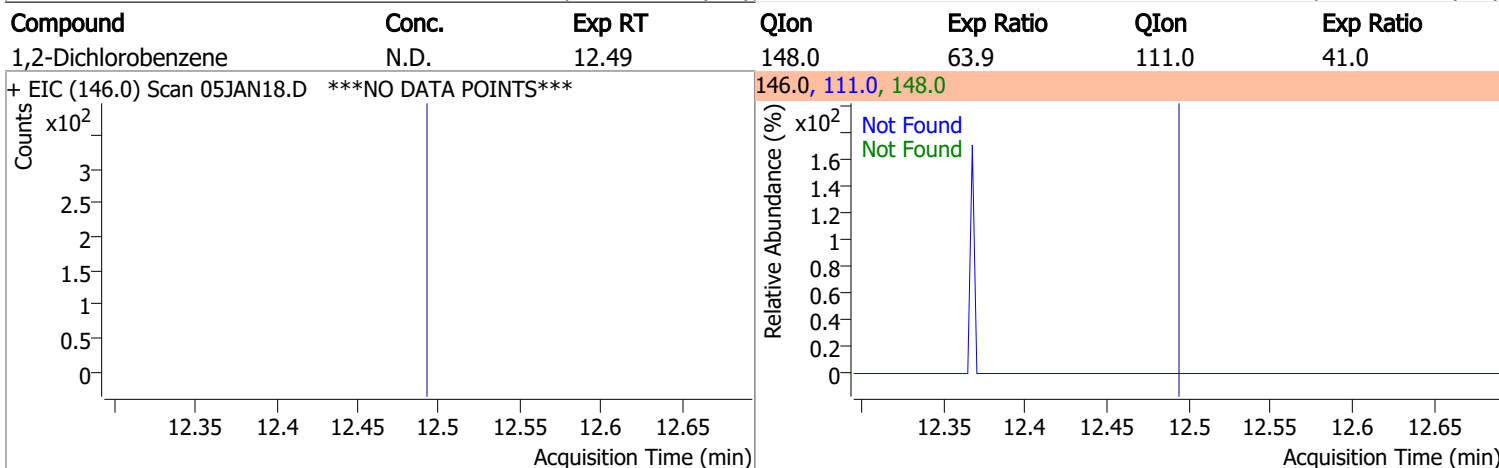
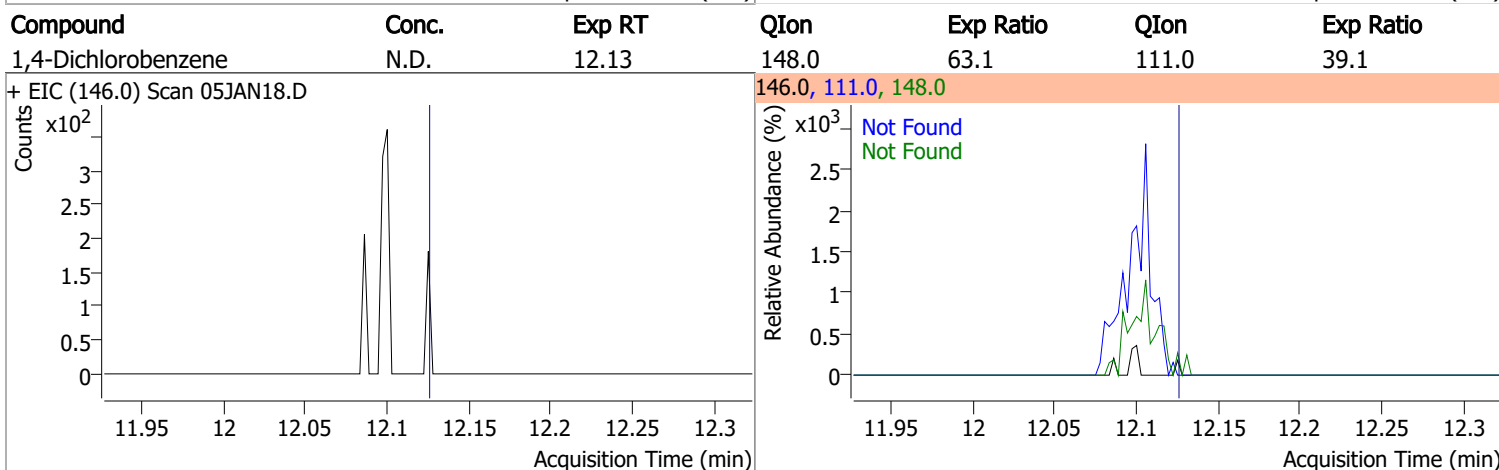
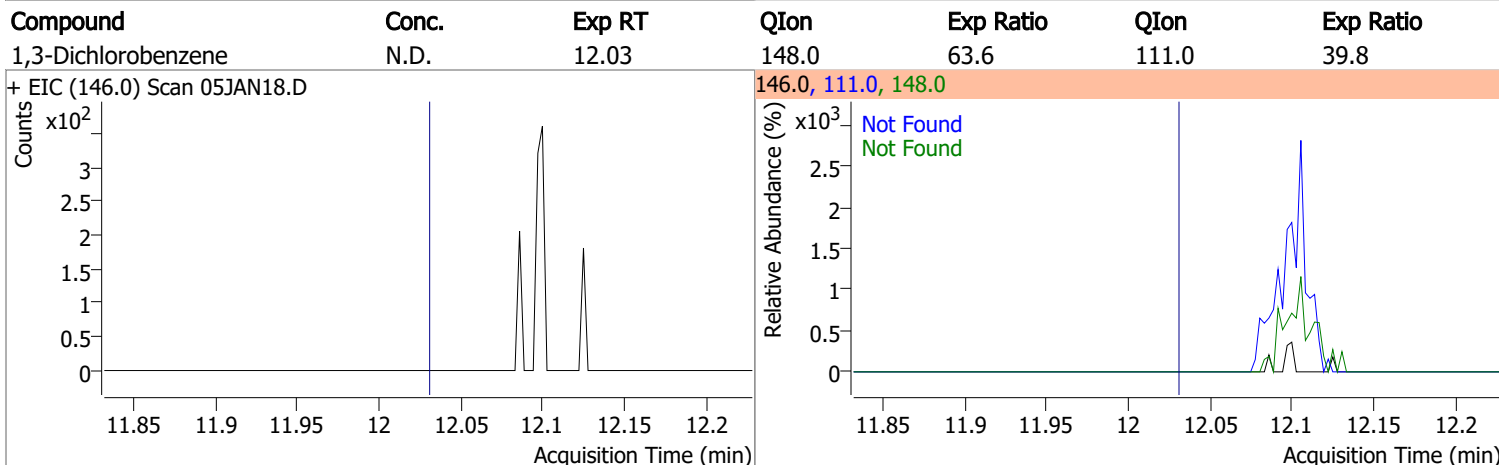
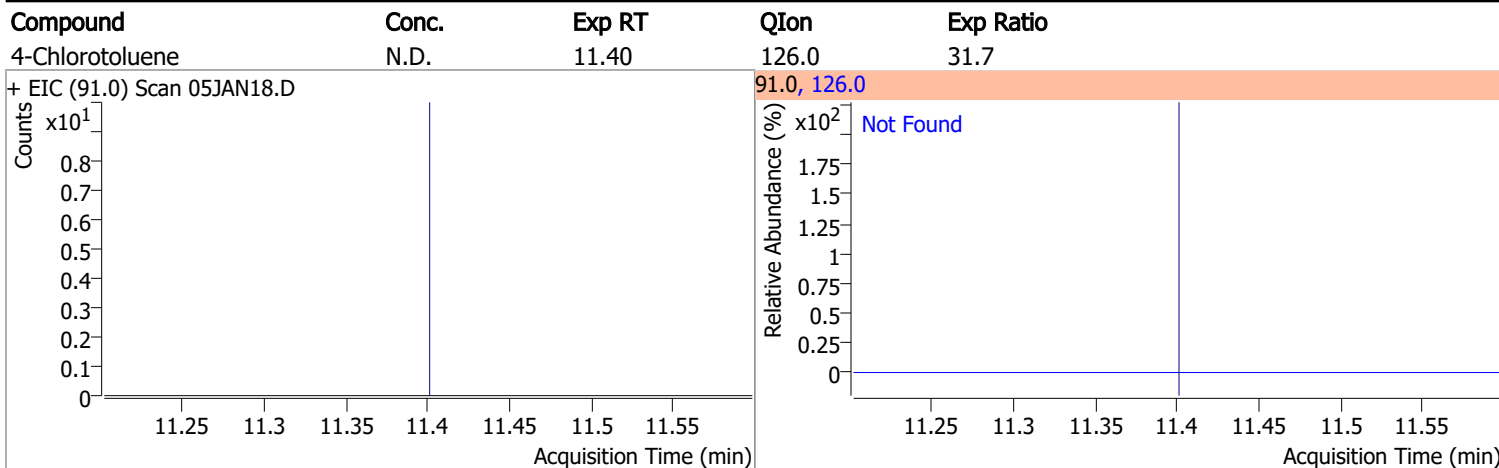


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN18.D   |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN18.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN18.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN18.D   |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

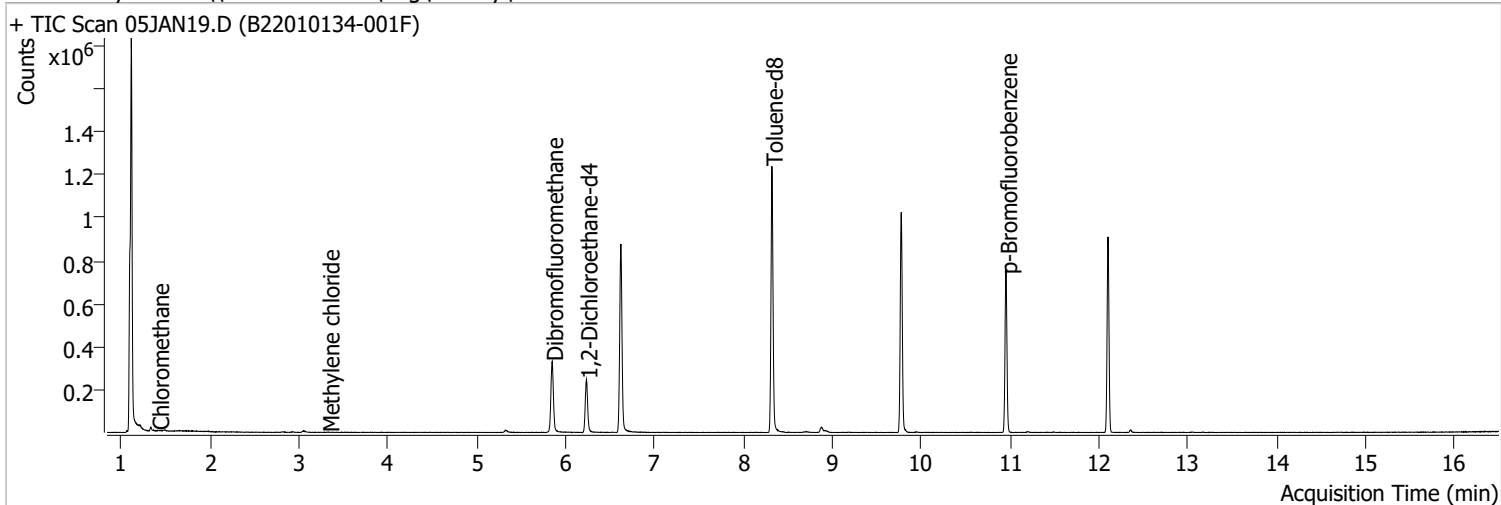


# Quantitation Results Report (QT Reviewed)



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN19.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 6:16:51 PM   |
| Sample Name    | B22010134-001F                      | Instrument        | VOA5975C              |
| Vial           | 19                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



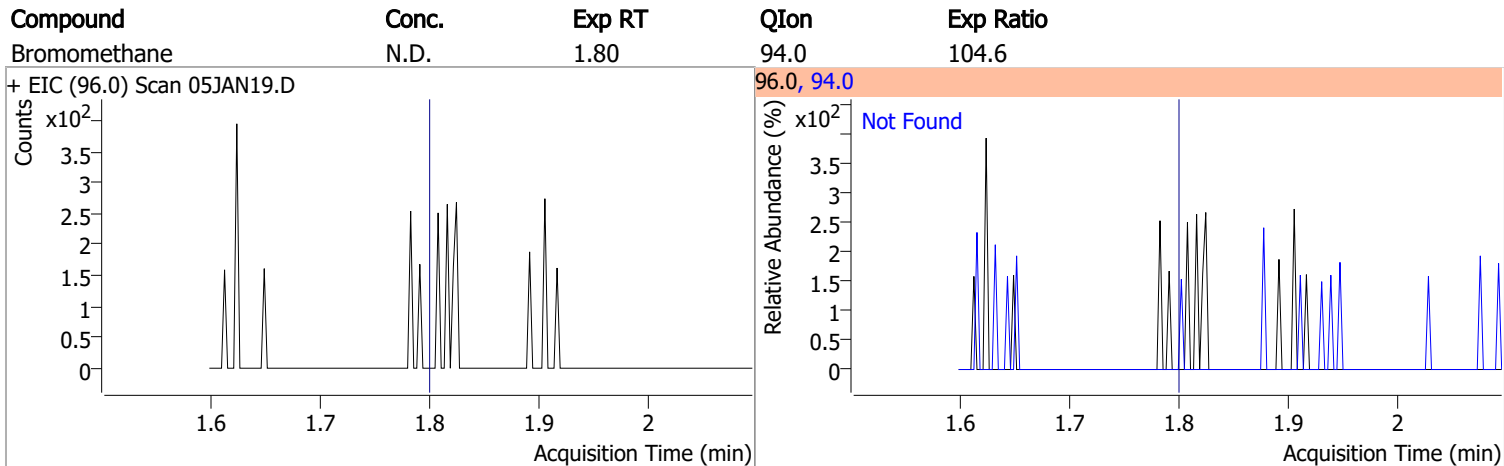
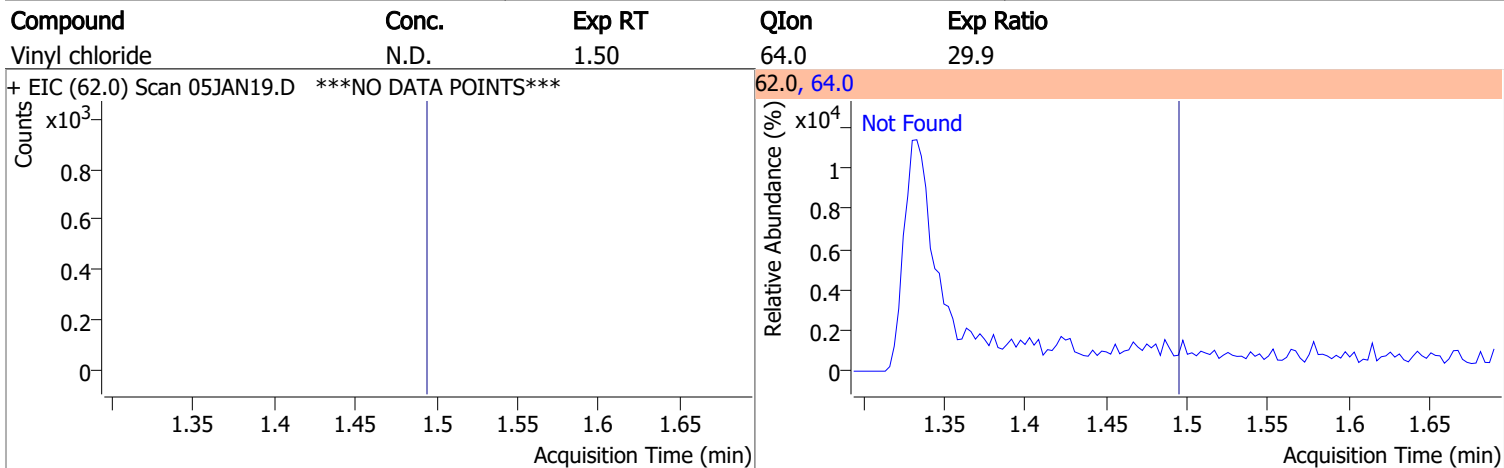
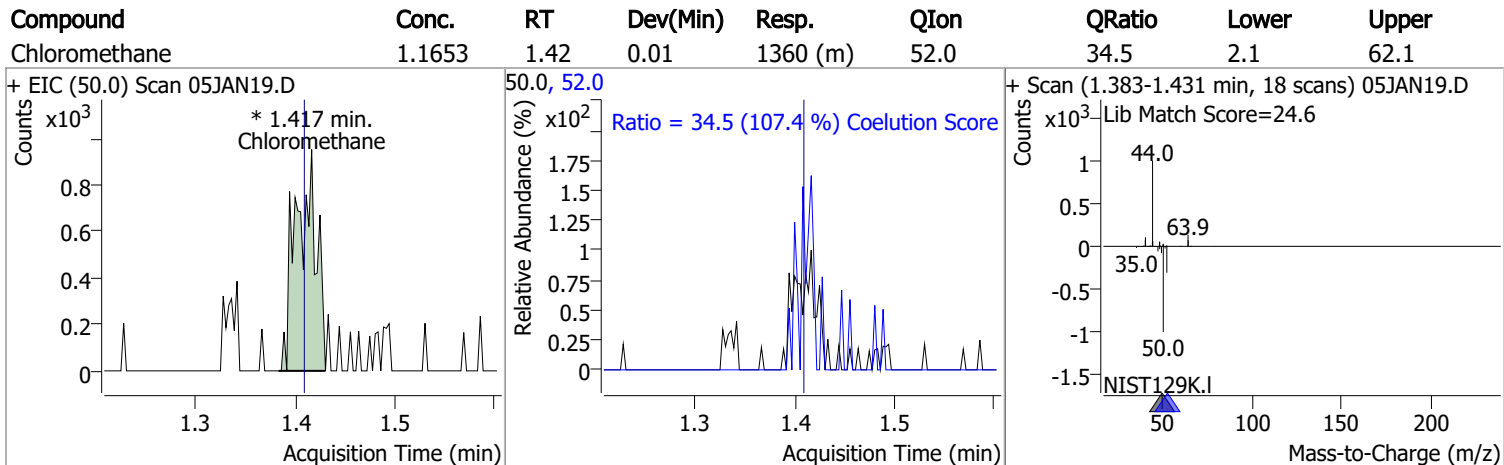
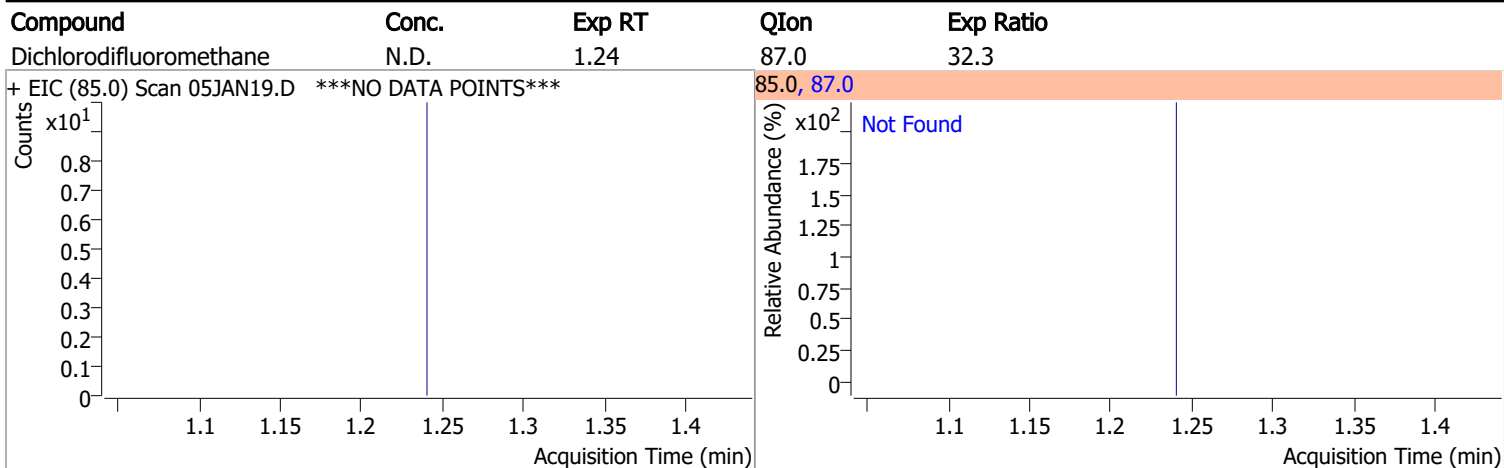
| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 733634 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 287461 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 220029 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 194240 | 281.0357           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 112.41% |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 85054  | 284.9092           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 113.96% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 744246 | 268.6691           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 107.47% |       |          |
| S p-Bromofluorobenzene             | 10.954               | 95.0  | 217233 | 269.4934           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 107.80% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.417                | 50.0  | 1360   | 1.1653             | ng    | m 96     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.330                | 49.0  | 756    | 0.6936             | ng    | m 83     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 0.000                |       | 0      | N.D.               |       |          |

# Quantitation Results Report (QT Reviewed)

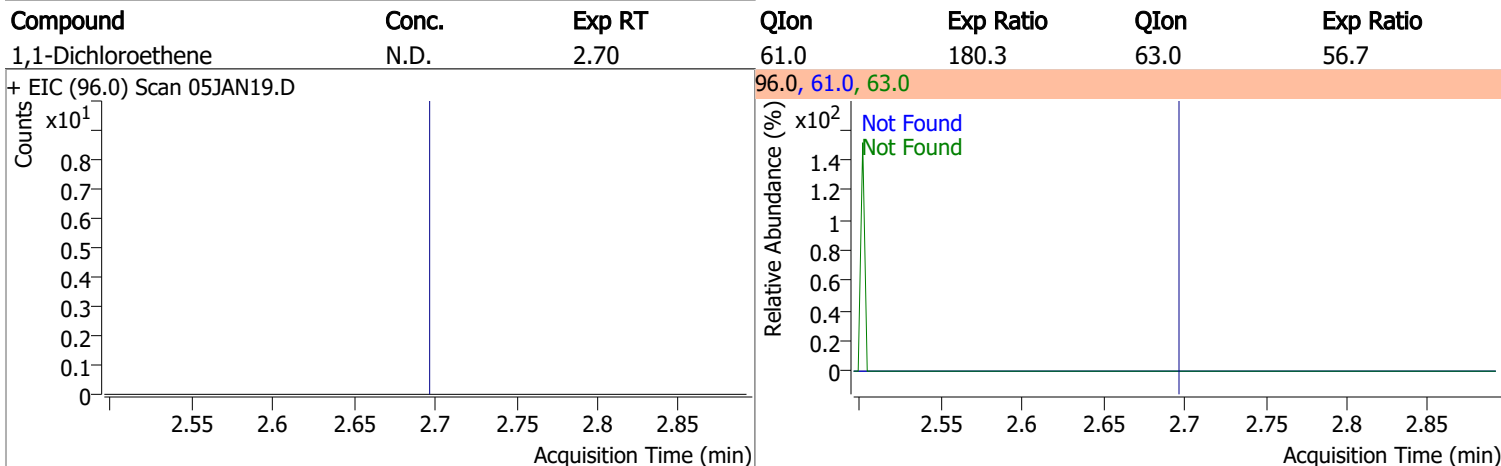
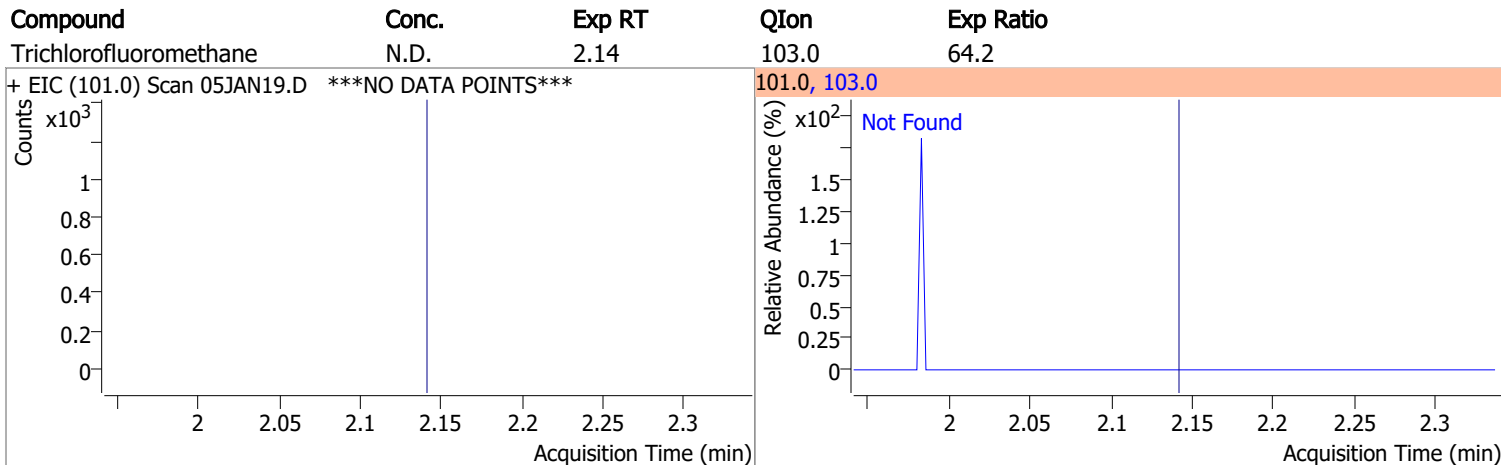
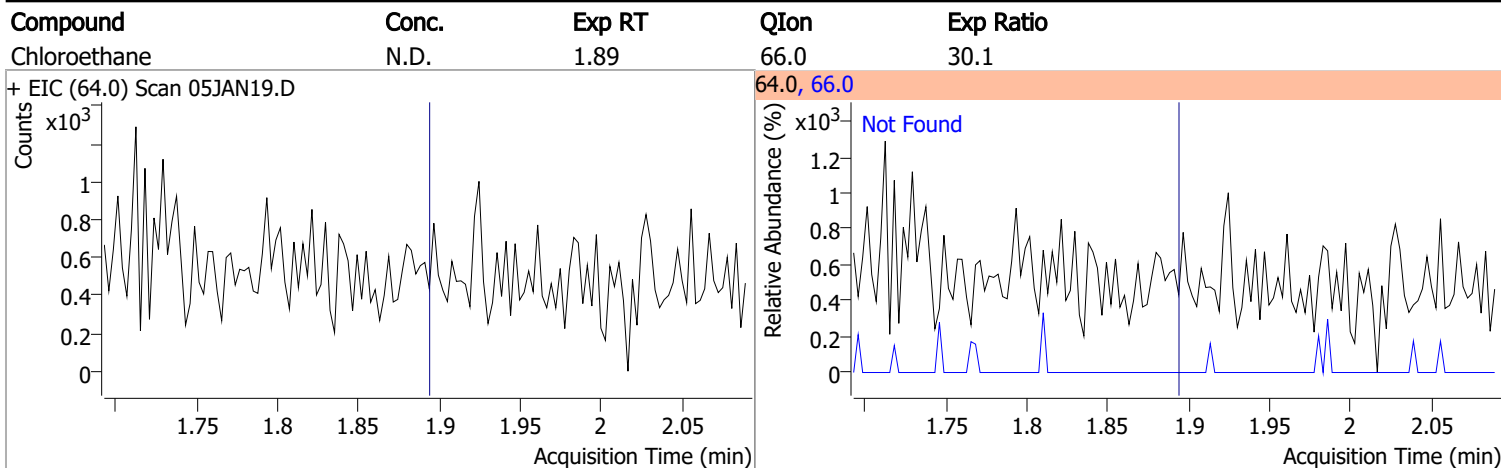
| Compound                    | RT    | QIon | Resp. | Conc. | Units | Dev(Min) |
|-----------------------------|-------|------|-------|-------|-------|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.  |       |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.  |       |          |
| T Benzene                   | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.  |       |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.  |       |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.  |       |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.  |       |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.  |       |          |
| T Toluene                   | 0.000 |      | 0     | N.D.  |       |          |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.  |       |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.  |       |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.  |       |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.  |       |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.  |       |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.  |       |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.  |       |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.  |       |          |
| T Styrene                   | 0.000 |      | 0     | N.D.  |       |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.  |       |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.  |       |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.  |       |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.  |       |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.  |       |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.  |       |          |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

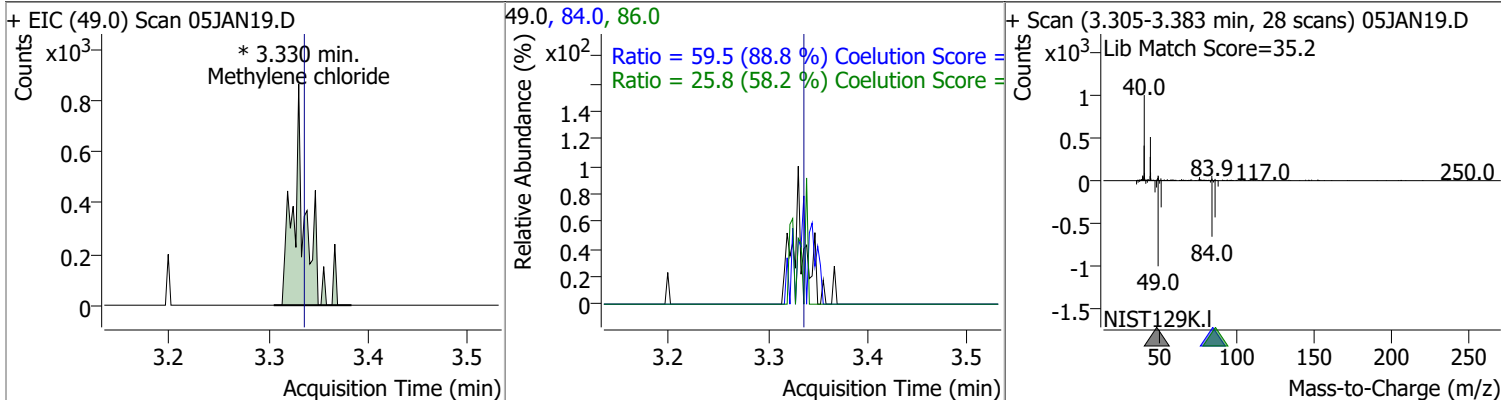
# Quantitation Results Report (QT Reviewed)



# Quantitation Results Report (QT Reviewed)

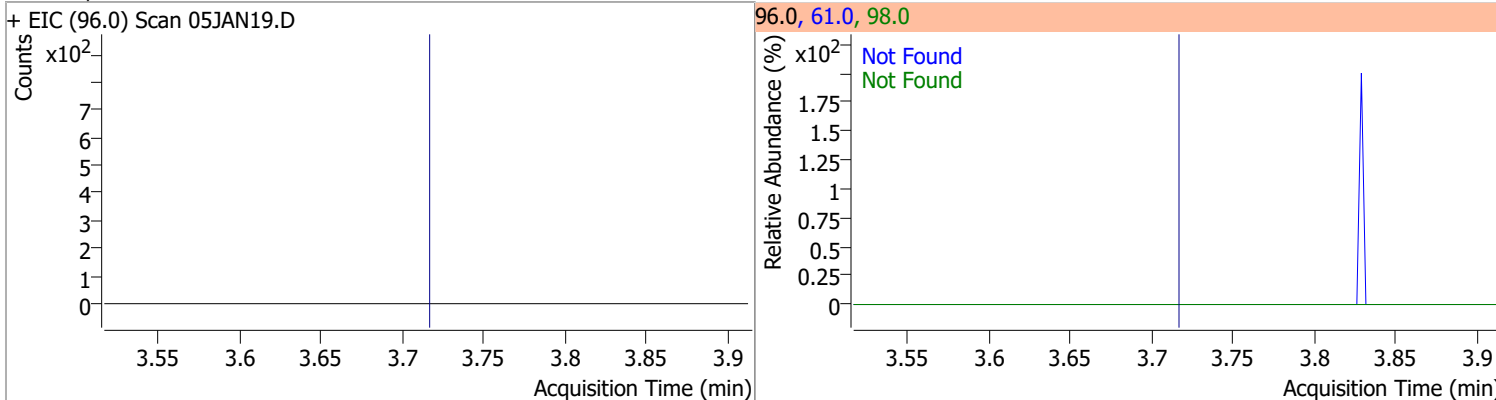


| Compound           | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|---------|------|--------|-------|-------|
| Methylene chloride | 0.6936 | 3.33 | -0.01    | 756 (m) | 84.0 | 59.5   | 36.9  | 96.9  |
|                    |        |      |          |         | 86.0 | 25.8   | 14.3  | 74.3  |

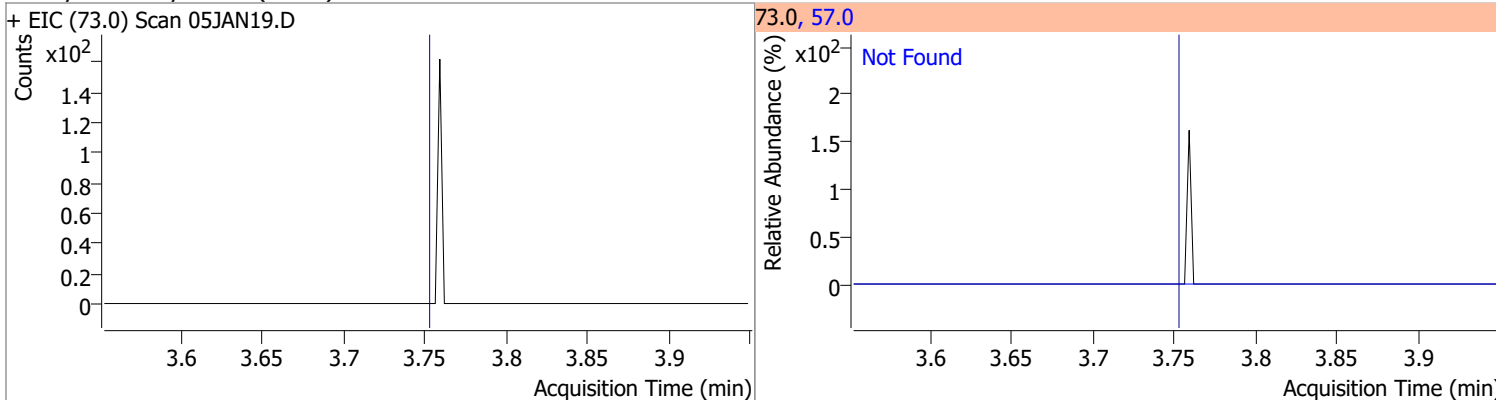


# Quantitation Results Report (QT Reviewed)

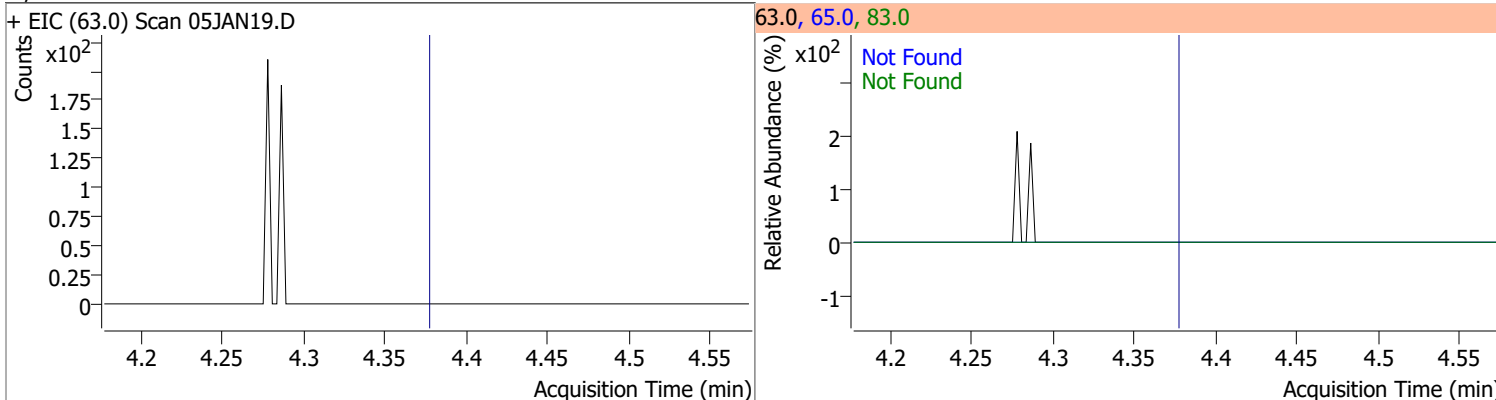
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



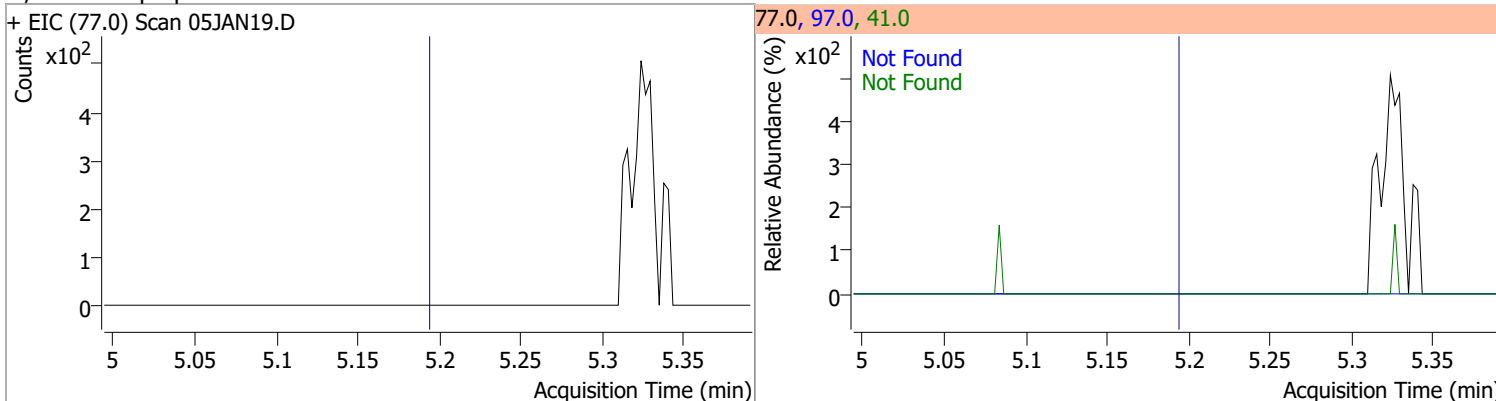
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

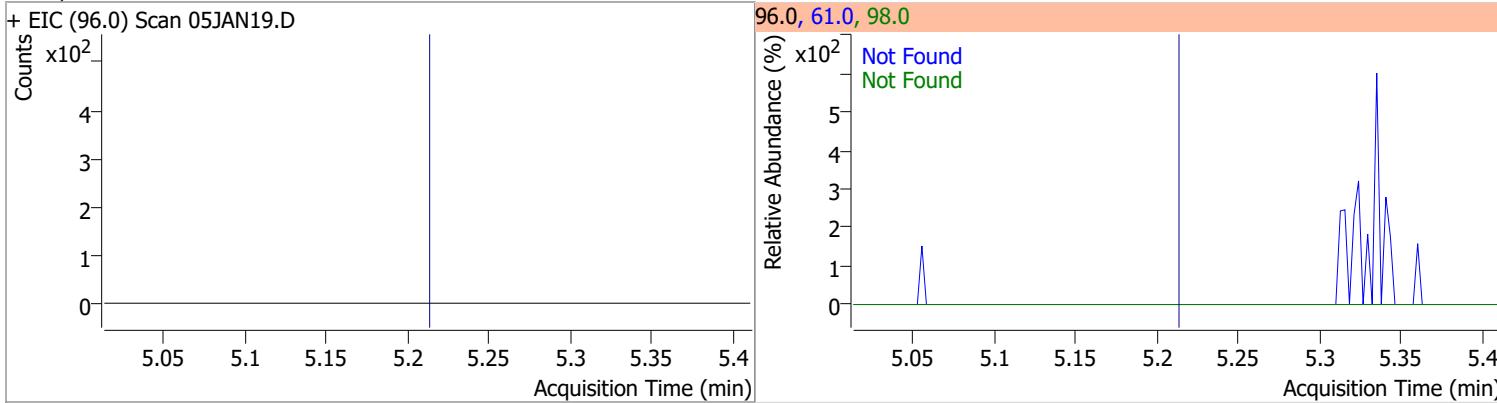


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

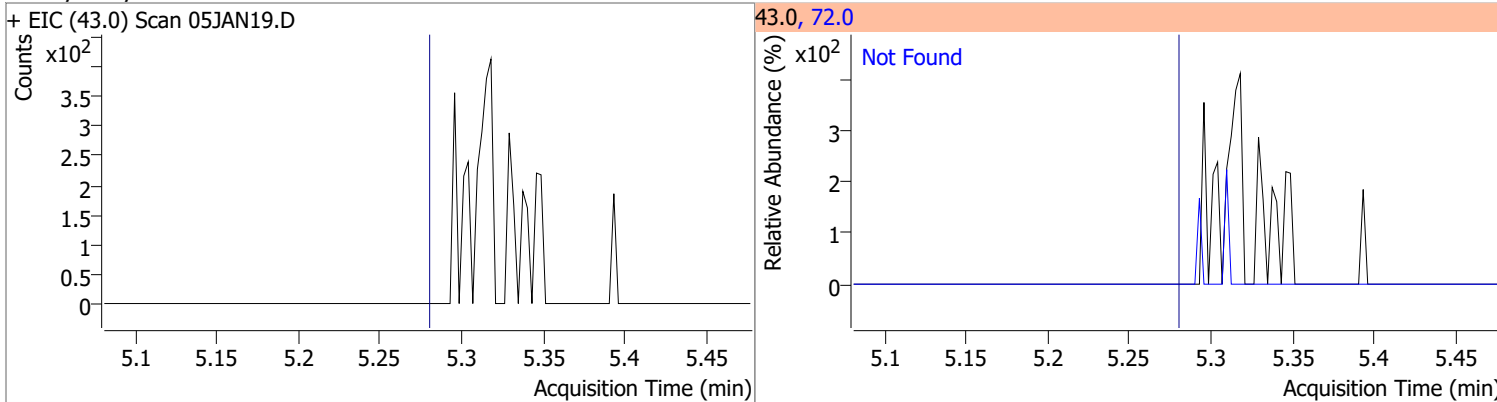


# Quantitation Results Report (QT Reviewed)

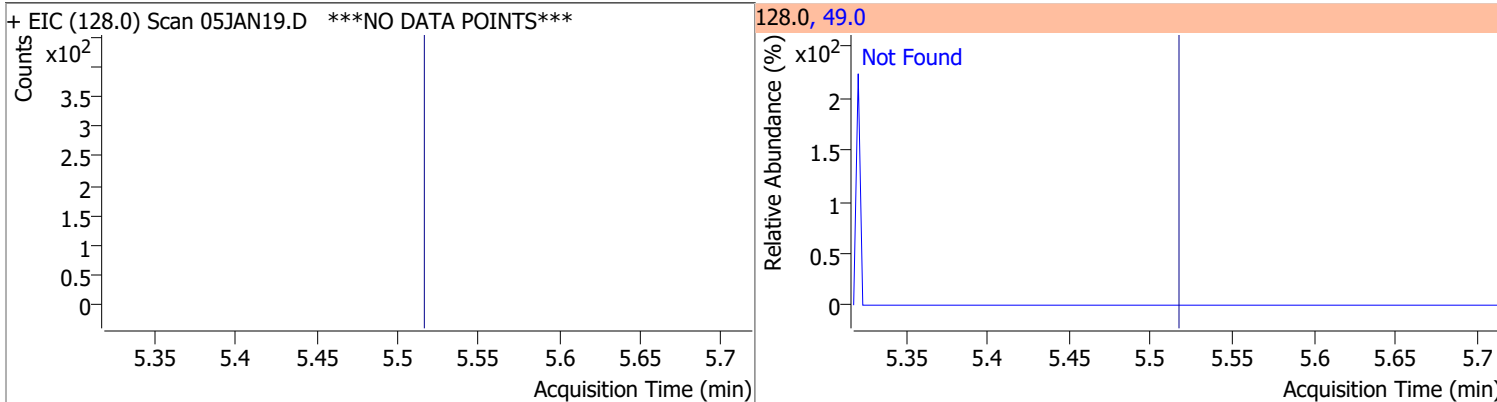
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



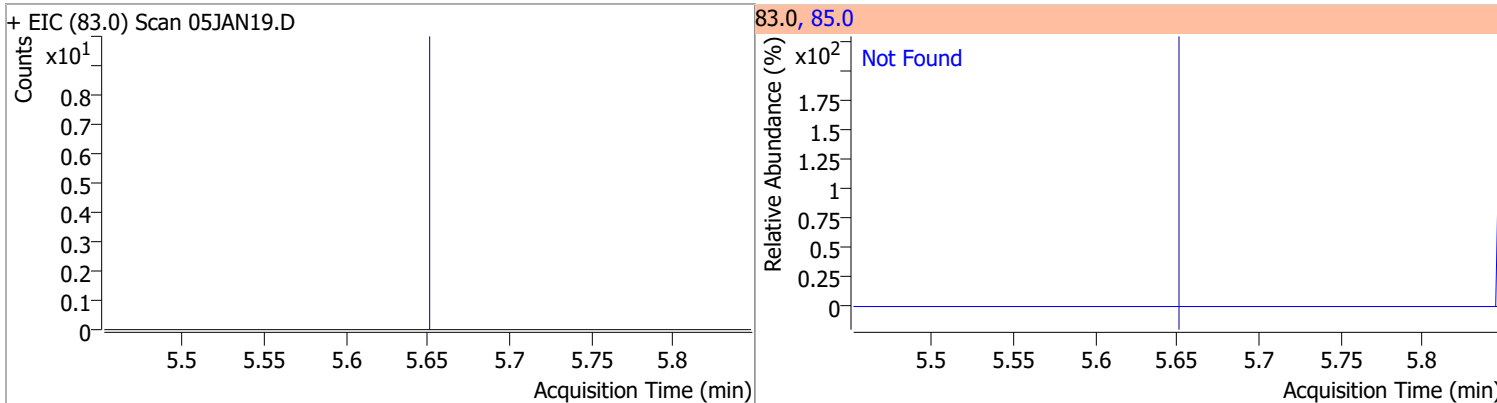
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



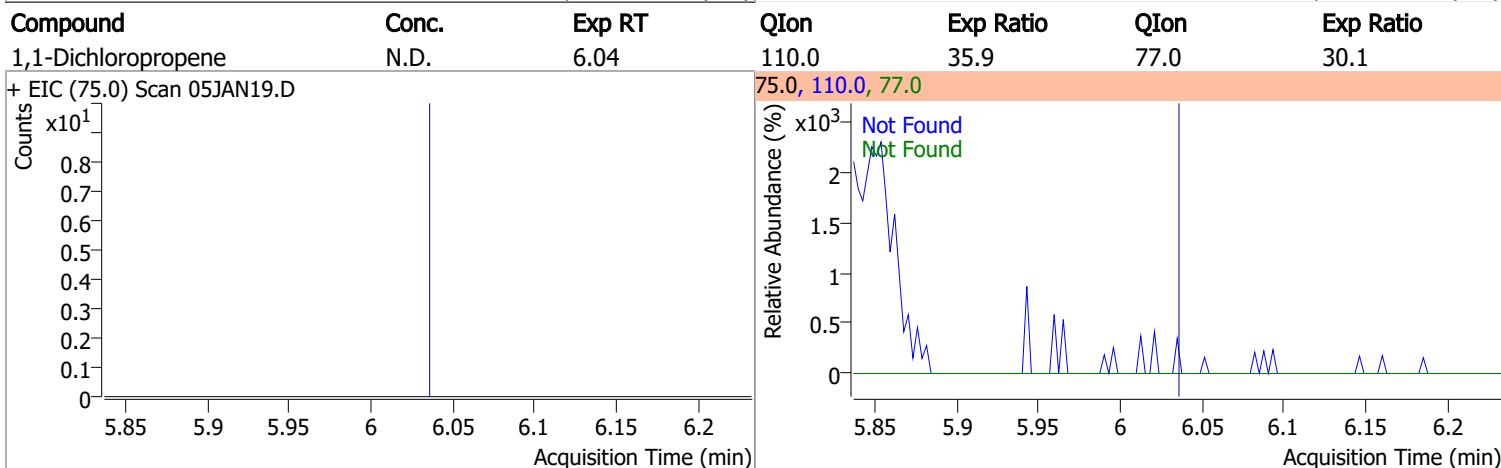
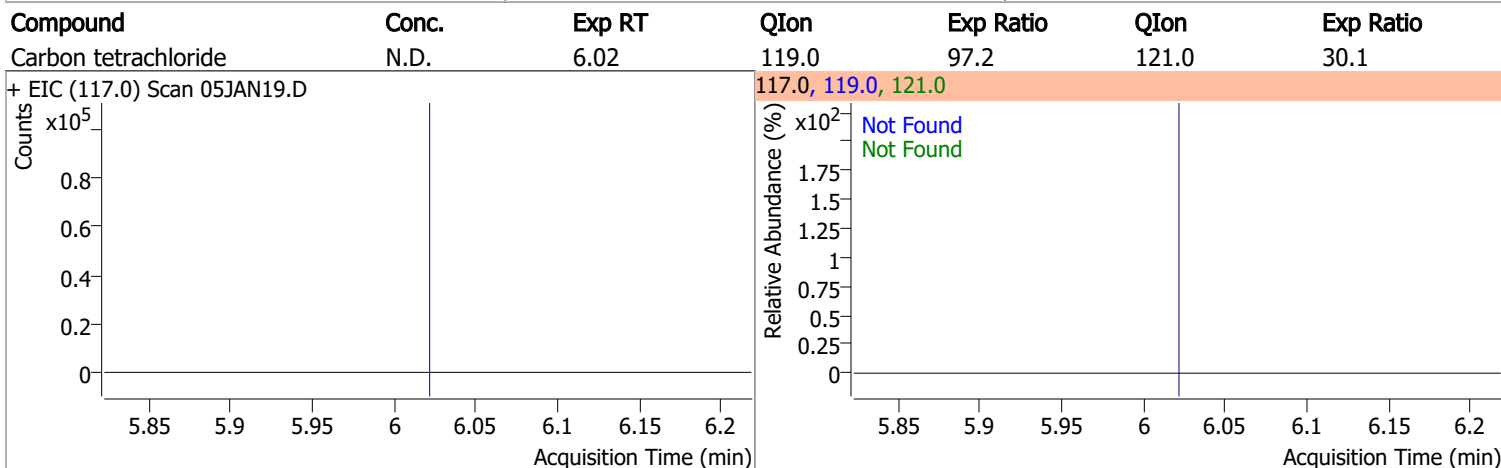
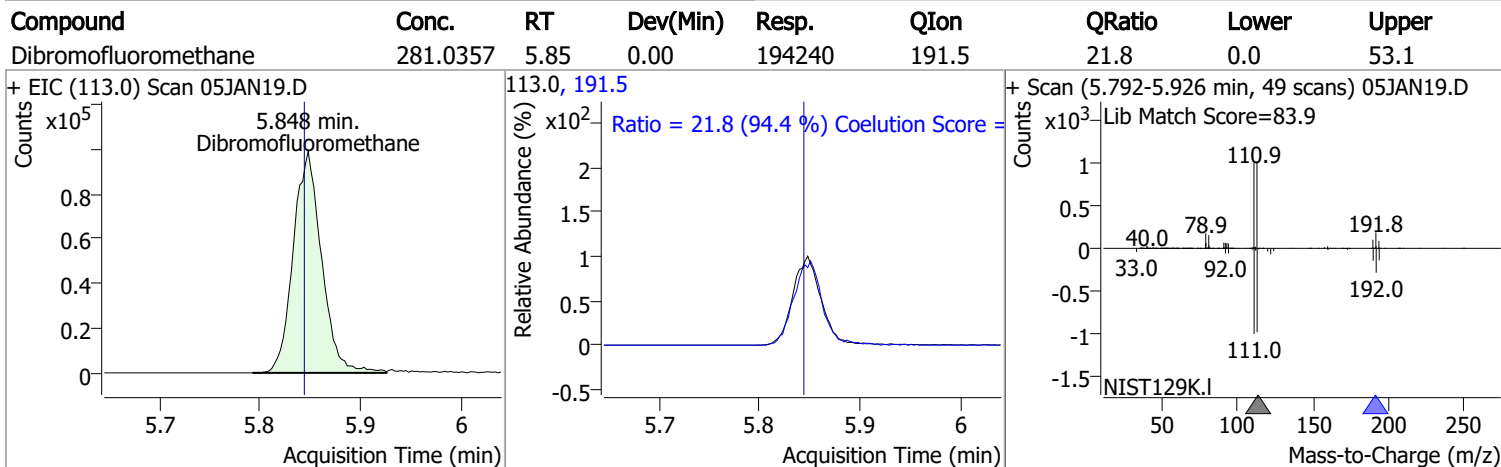
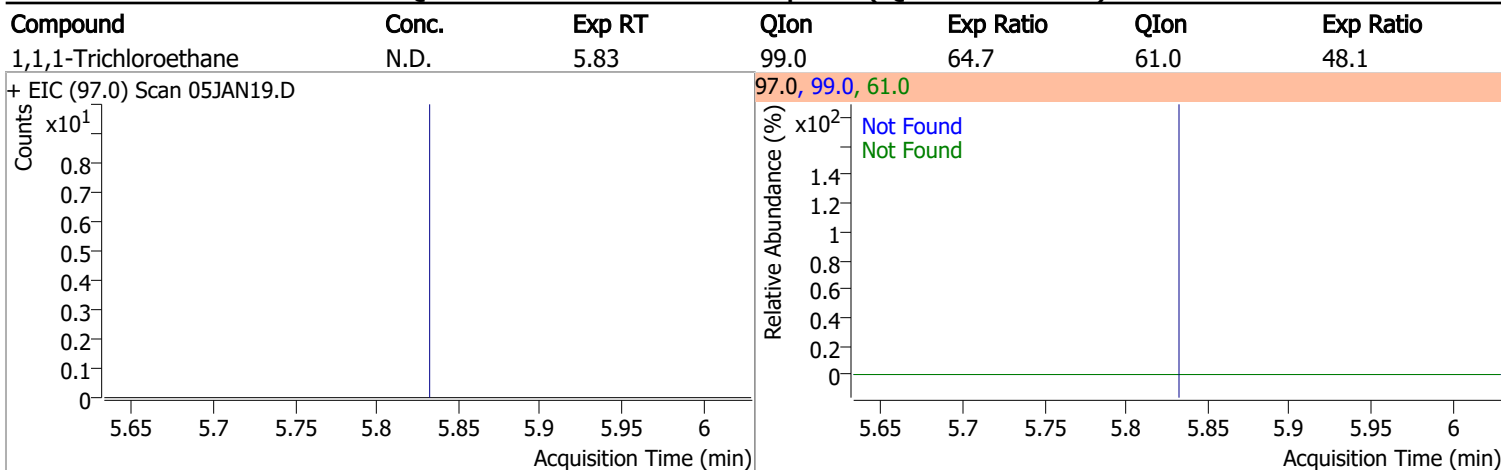
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |



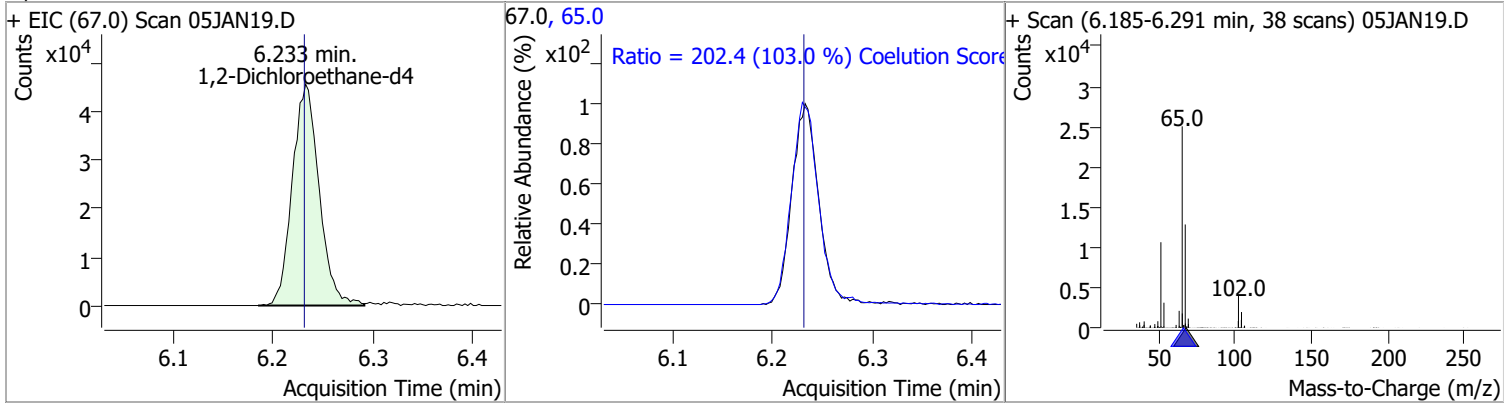
# Quantitation Results Report (QT Reviewed)



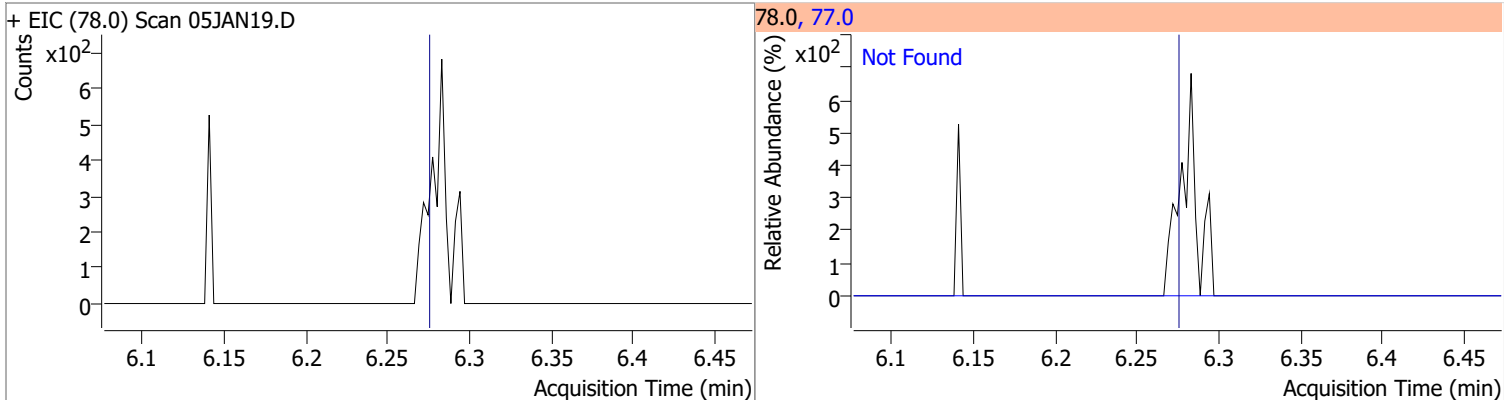


# Quantitation Results Report (QT Reviewed)

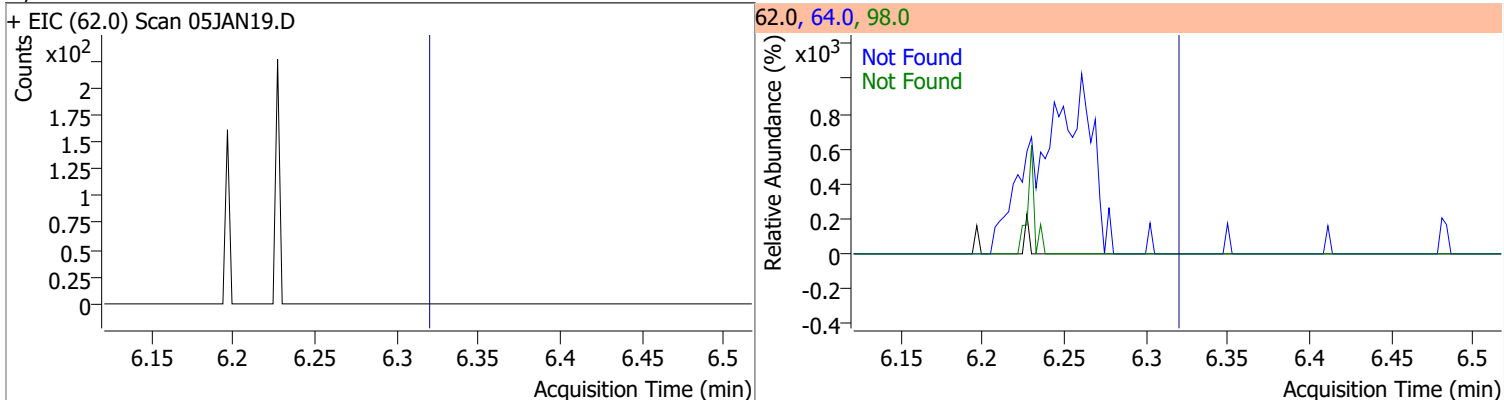
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 284.9092 | 6.23 | 0.00     | 85054 | 65.0 | 202.4  | 166.5 | 226.5 |



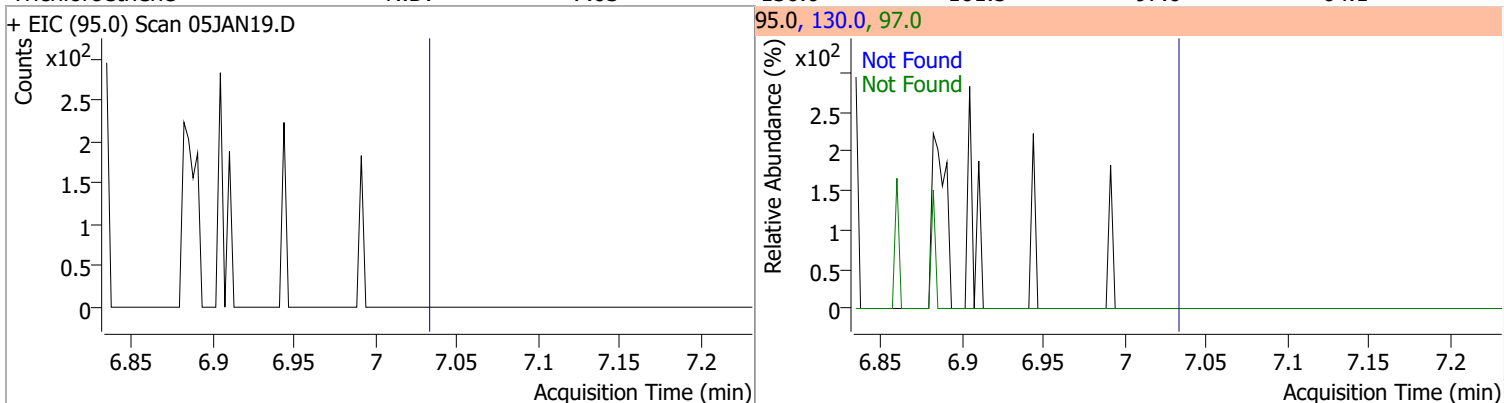
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Benzene  | N.D.  | 6.28   | 77.0 | 23.5      |



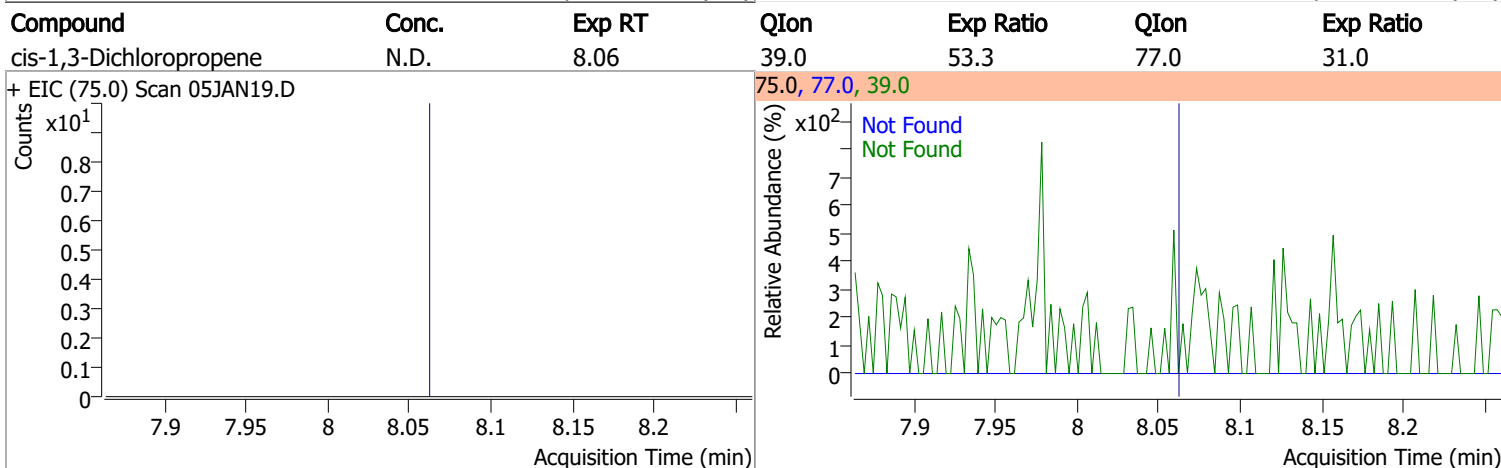
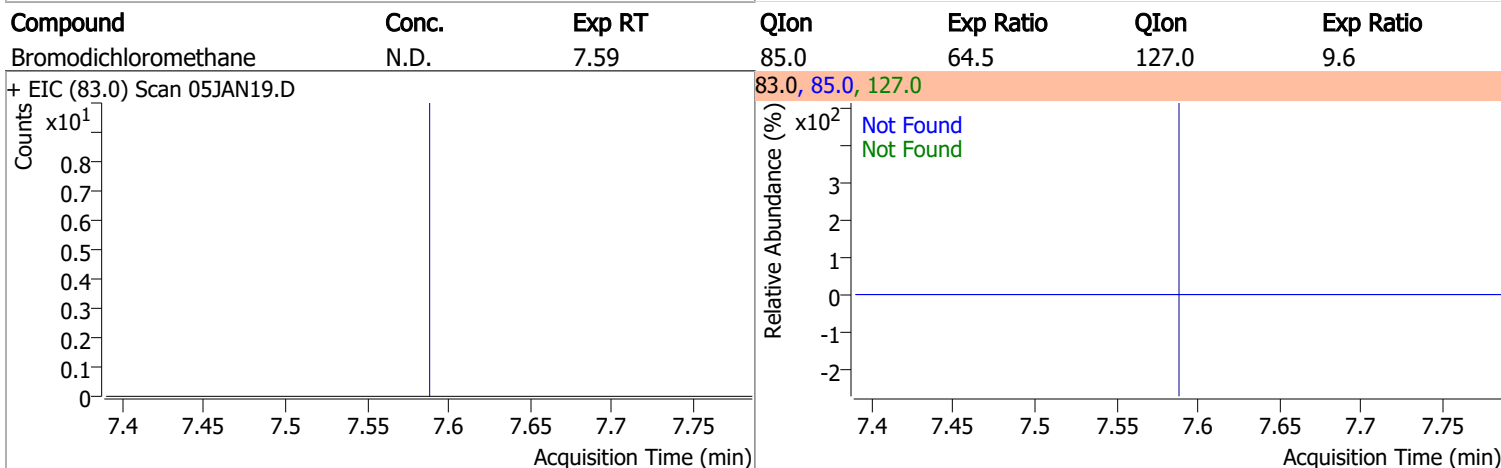
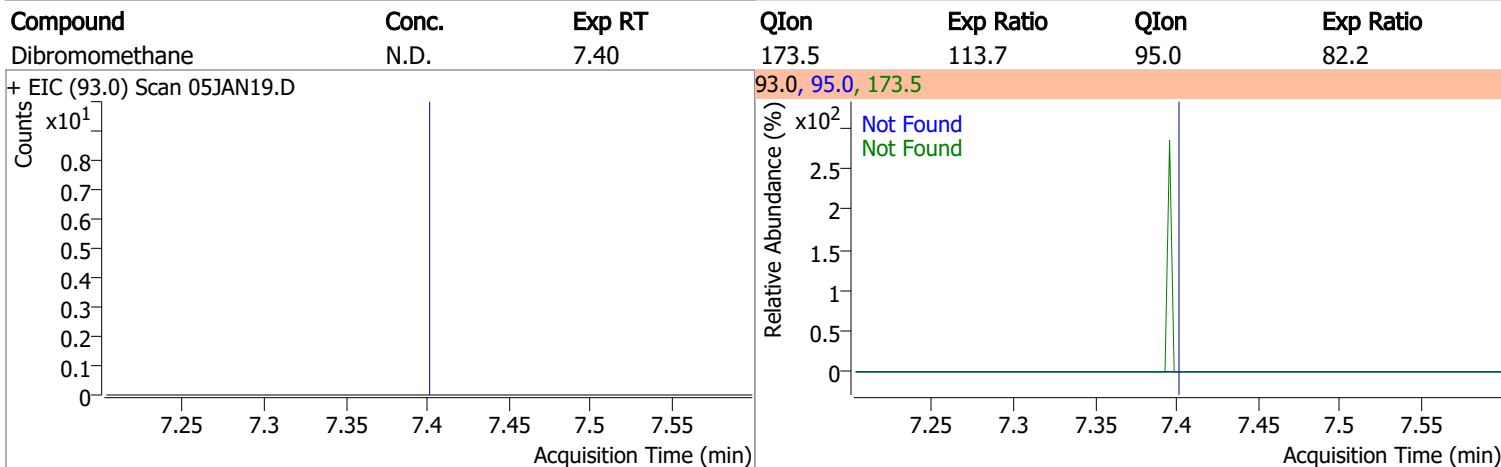
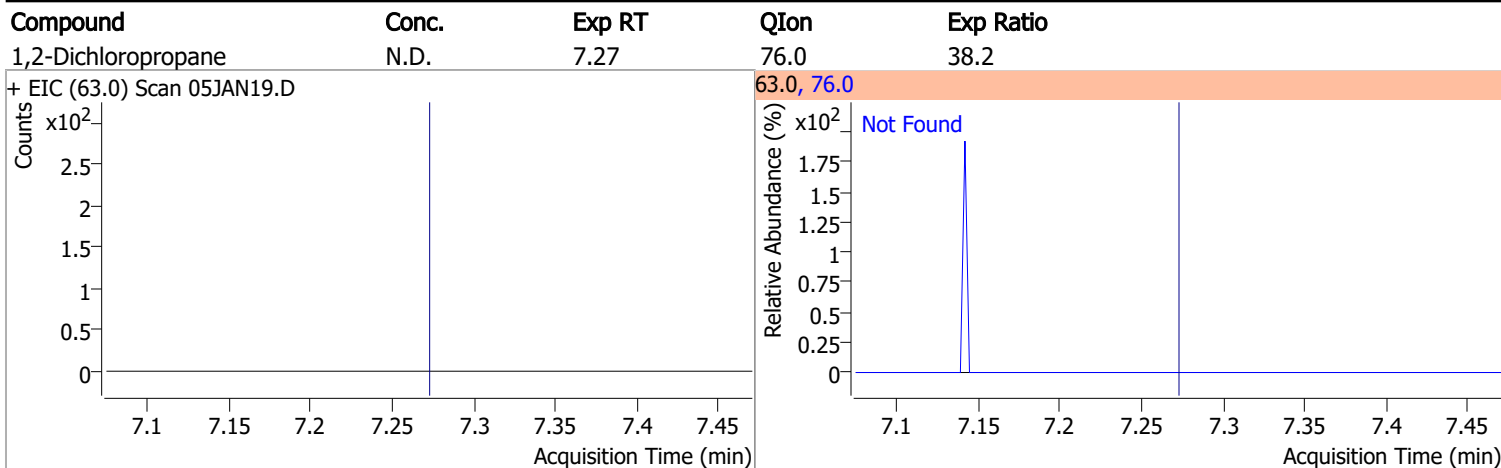
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

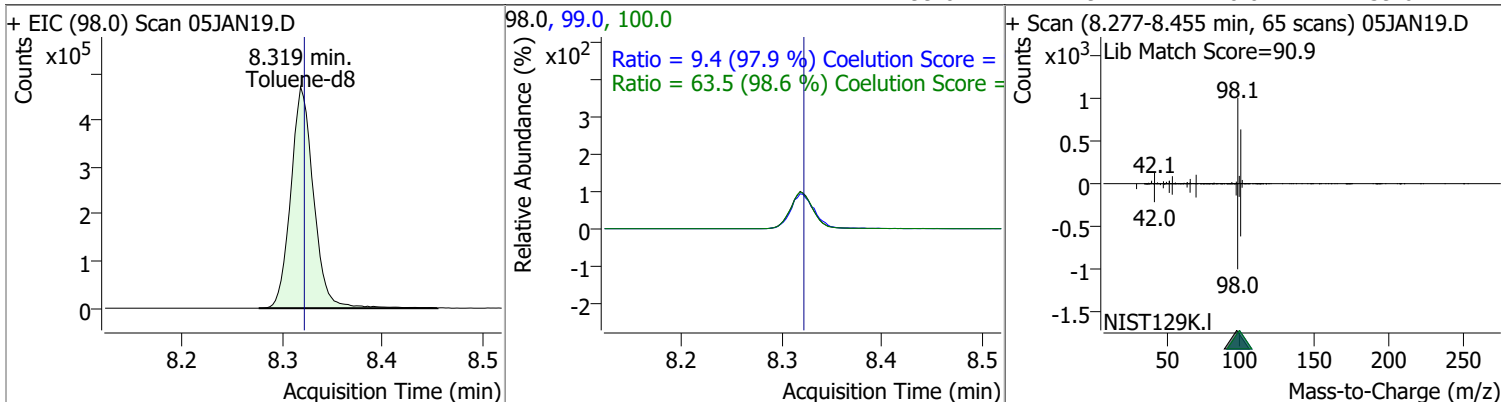


# Quantitation Results Report (QT Reviewed)

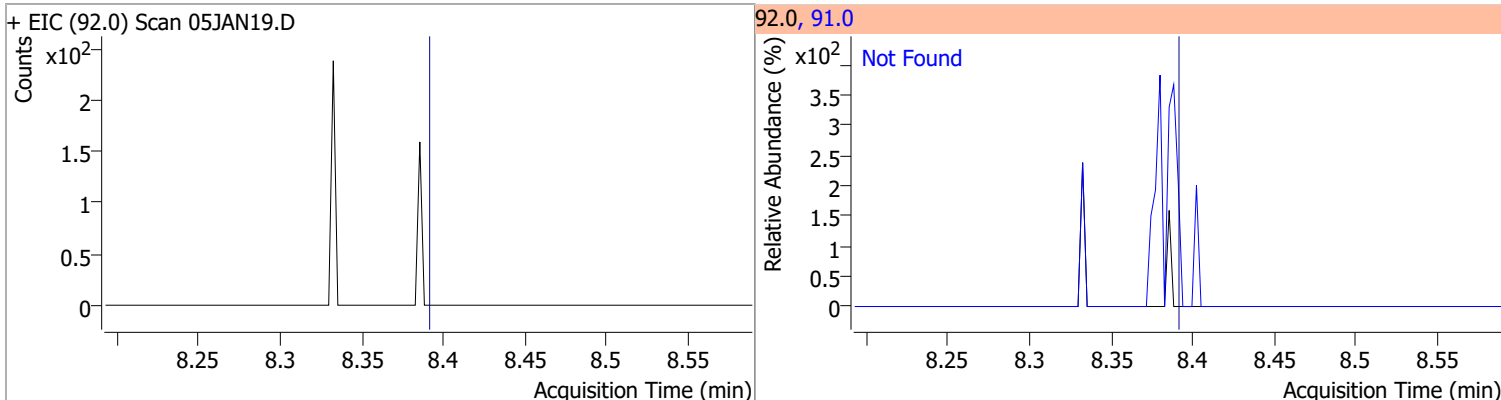


# Quantitation Results Report (QT Reviewed)

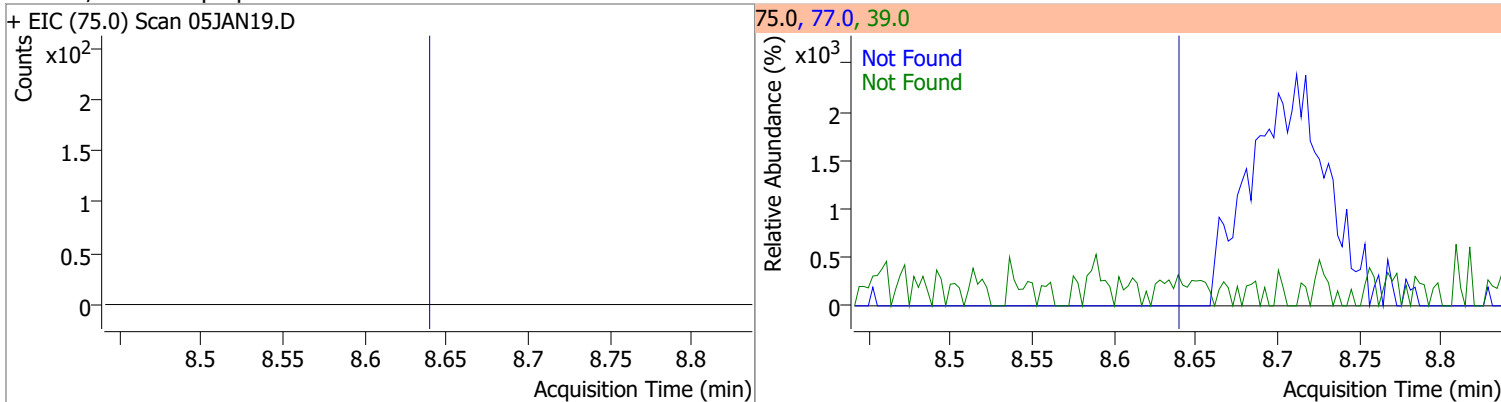
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 268.6691 | 8.32 | 0.00     | 744246 | 100.0 | 63.5   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.4    | 0.0   | 39.6  |



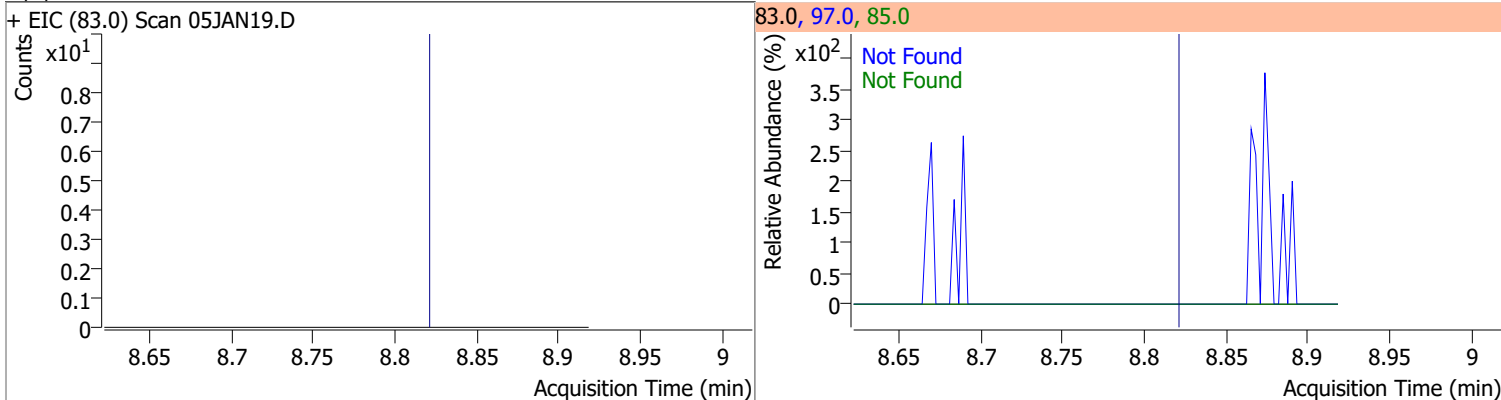
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Toluene  | N.D.  | 8.39   | 91.0 | 175.8     |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

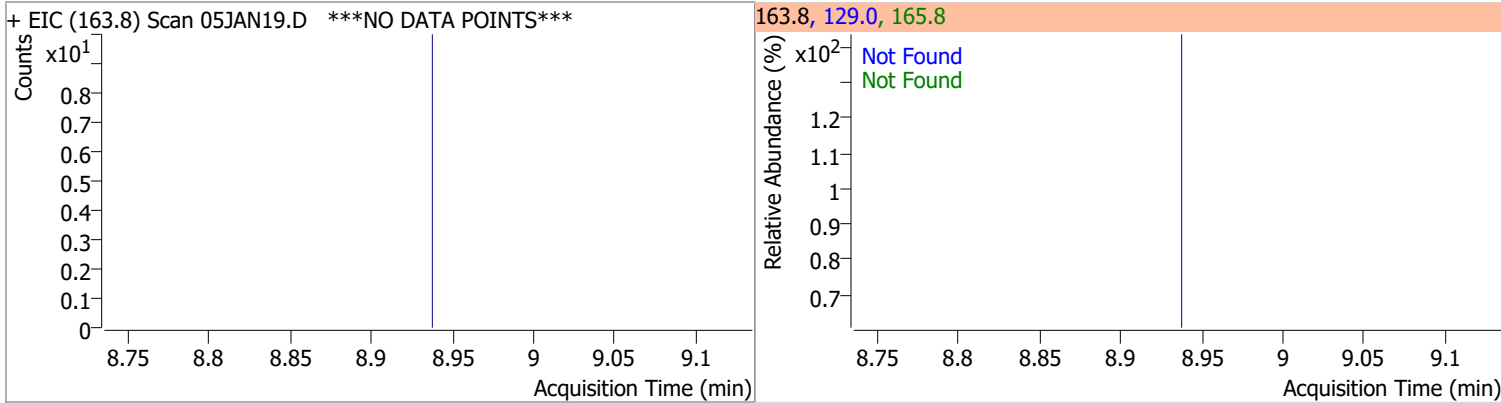


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

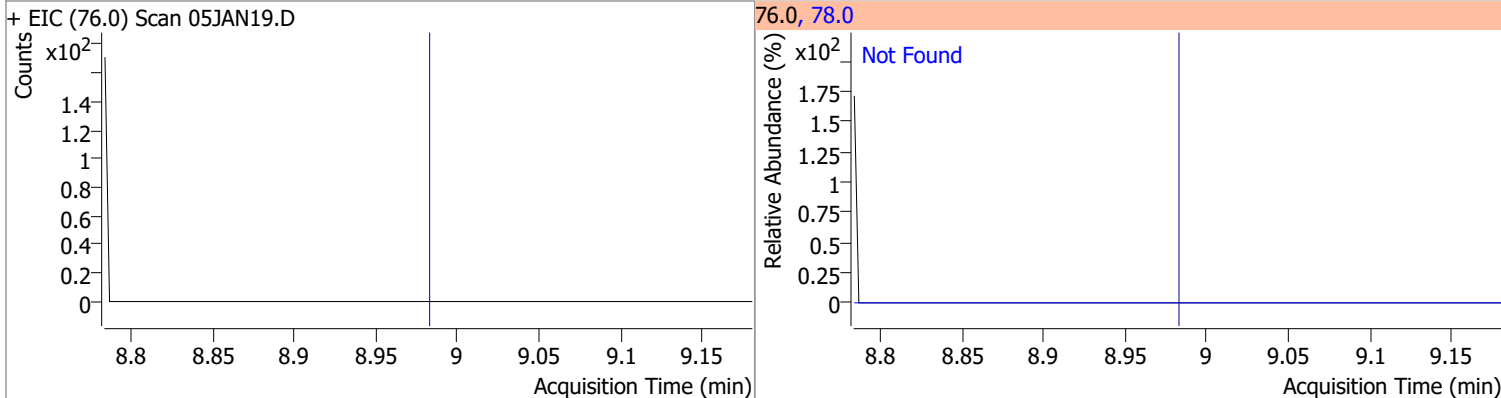


# Quantitation Results Report (QT Reviewed)

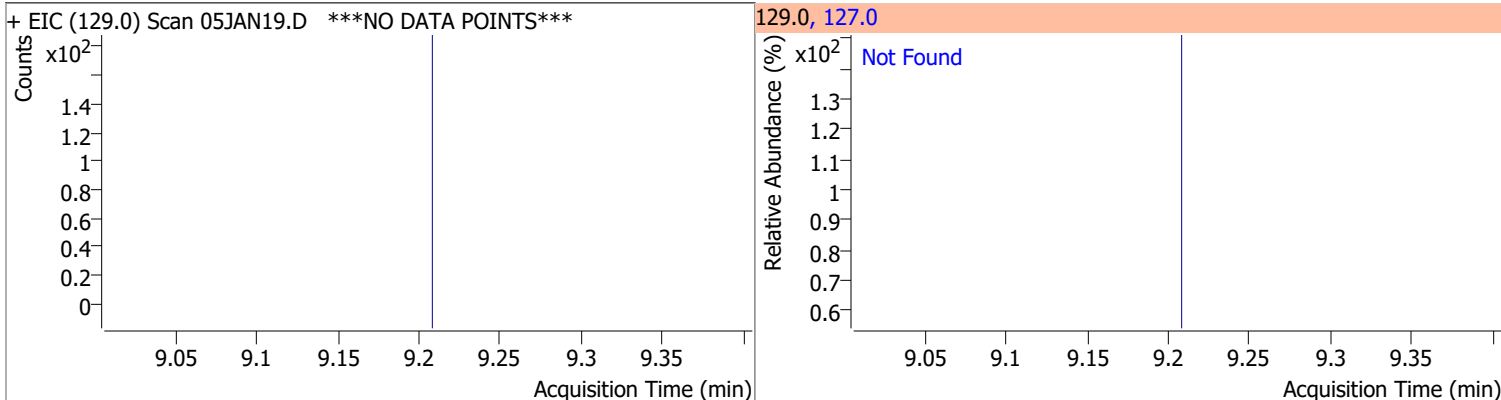
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



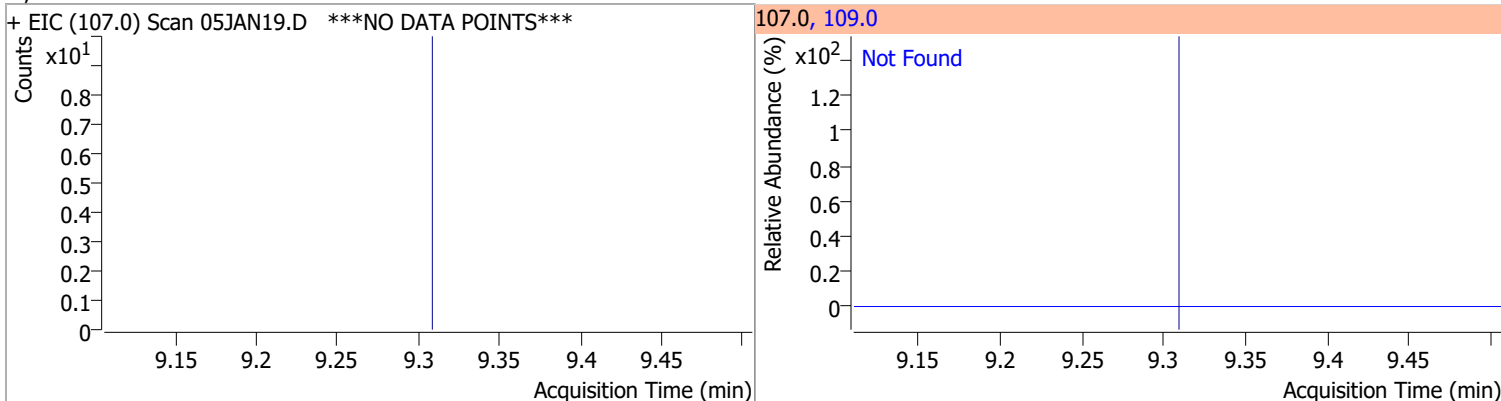
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



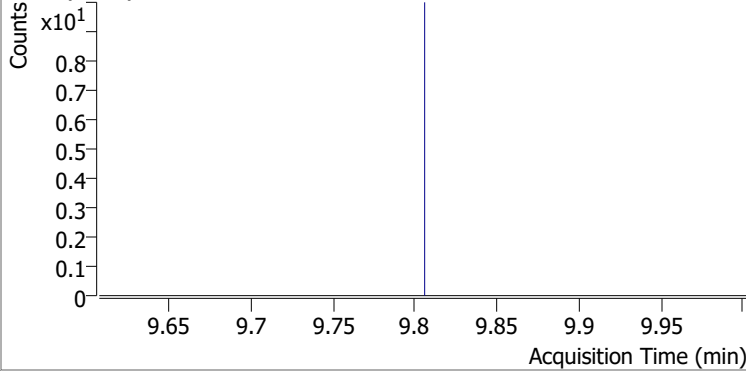
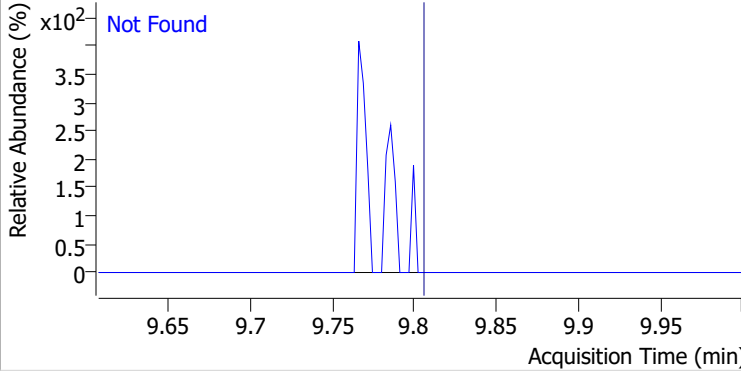
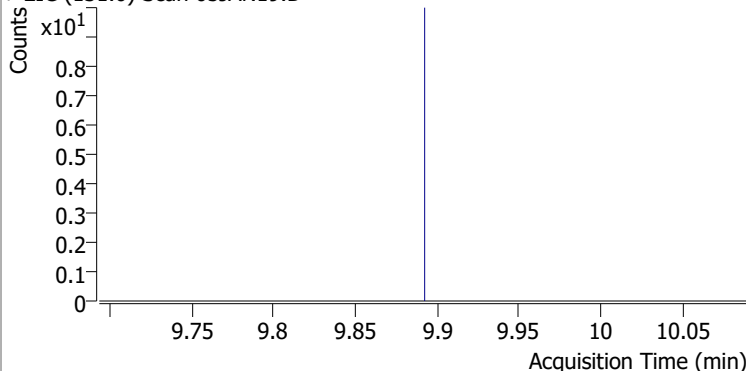
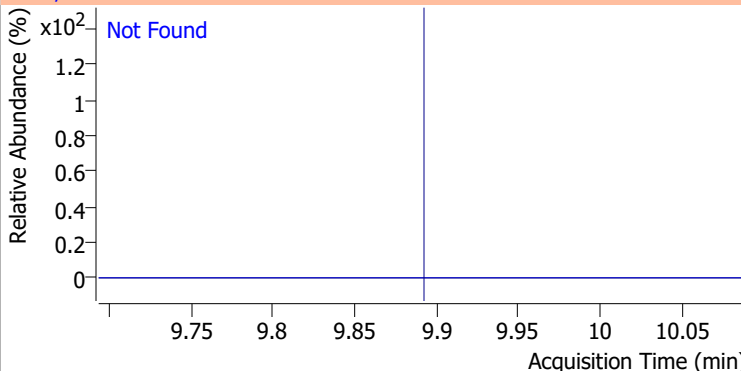
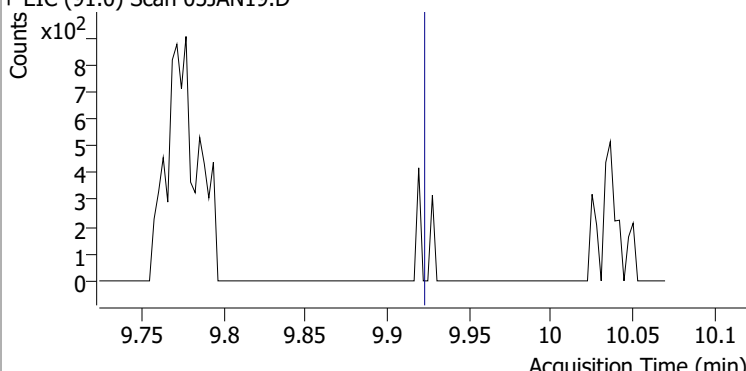
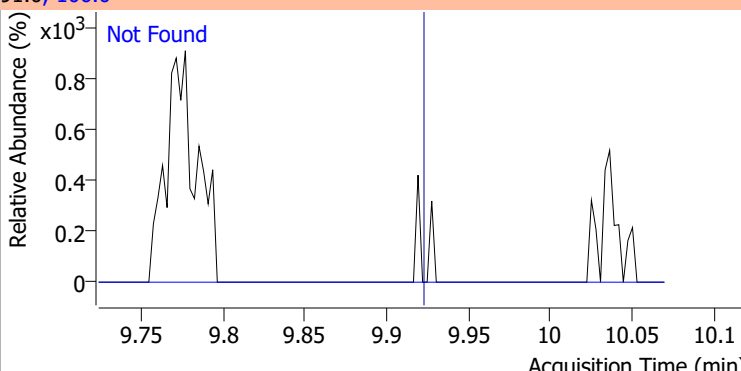
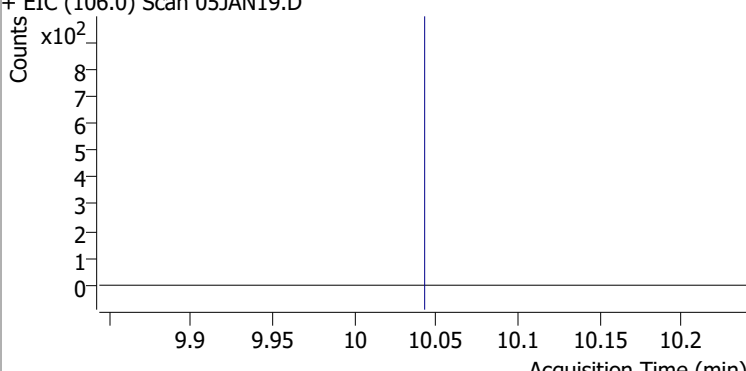
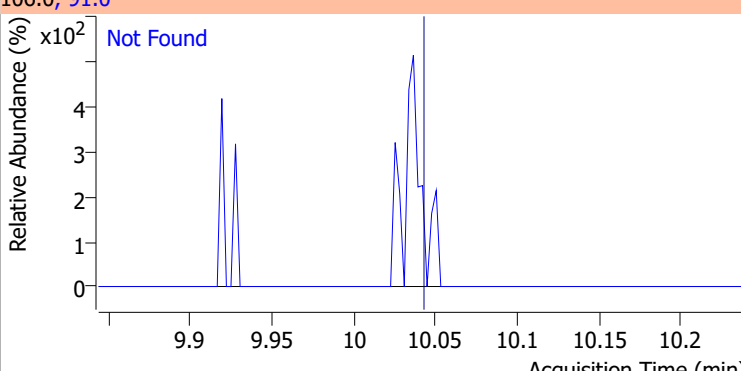
| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |



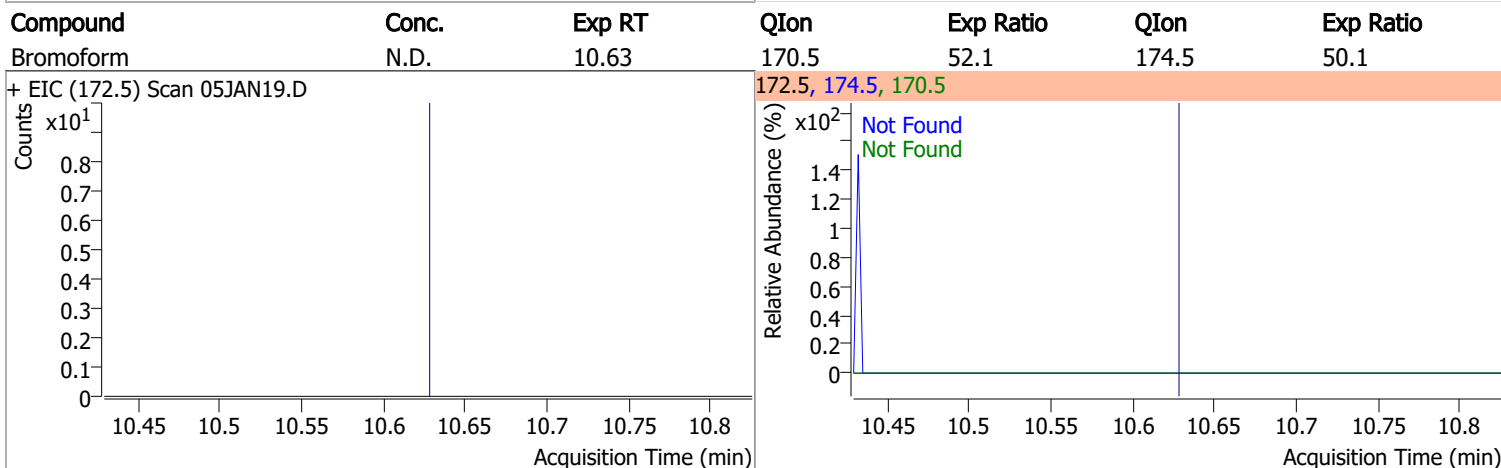
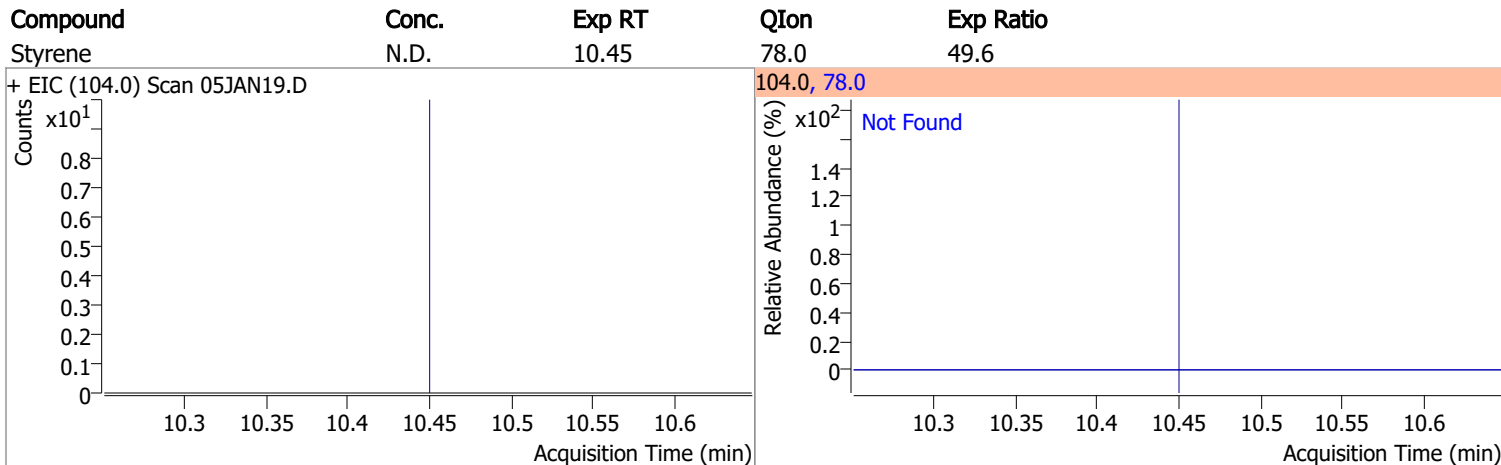
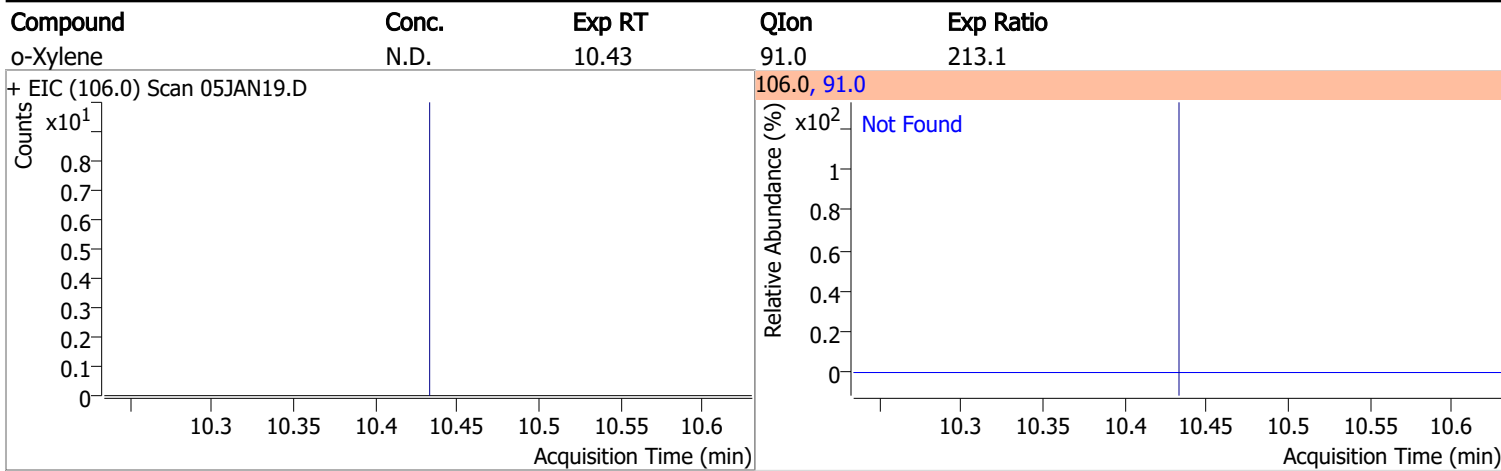
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |



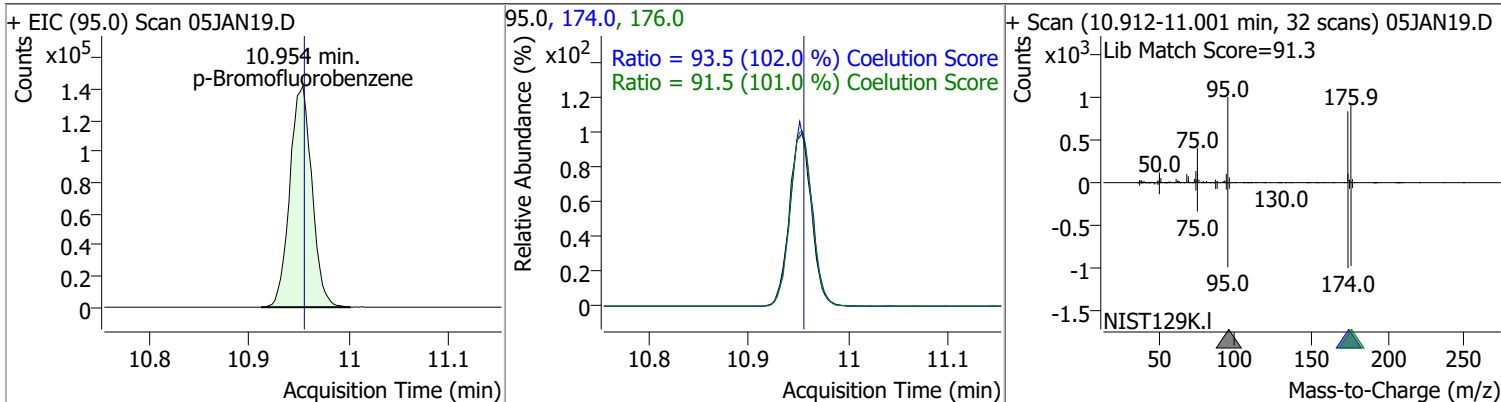
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0  | 32.1      |
| + EIC (112.0) Scan 05JAN19.D   |       |        | 112.0, 114.0   |           |
|    |       |        |    |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0  | 98.6      |
| + EIC (131.0) Scan 05JAN19.D   |       |        | 131.0, 133.0   |           |
|   |       |        |   |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0  | 31.1      |
| + EIC (91.0) Scan 05JAN19.D  |       |        | 91.0, 106.0  |           |
|  |       |        |  |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0   | 201.4     |
| + EIC (106.0) Scan 05JAN19.D   |       |        | 106.0, 91.0  |           |
|  |       |        |  |           |

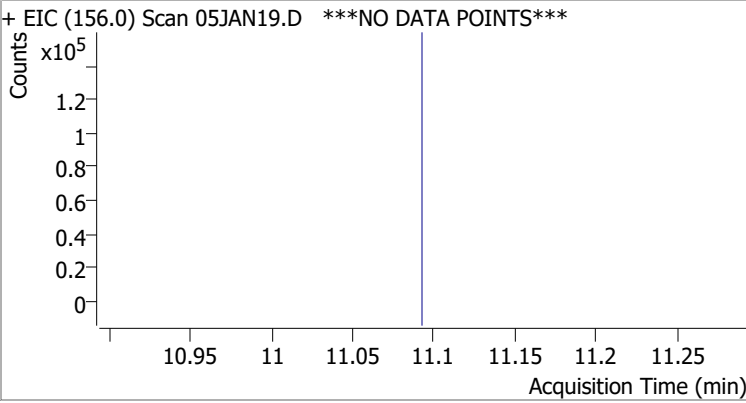
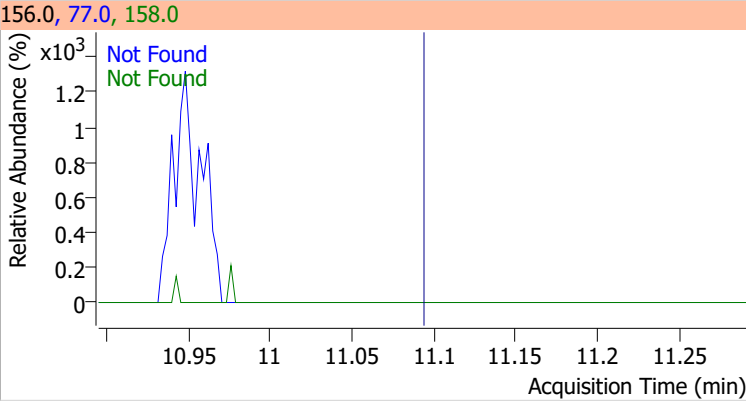
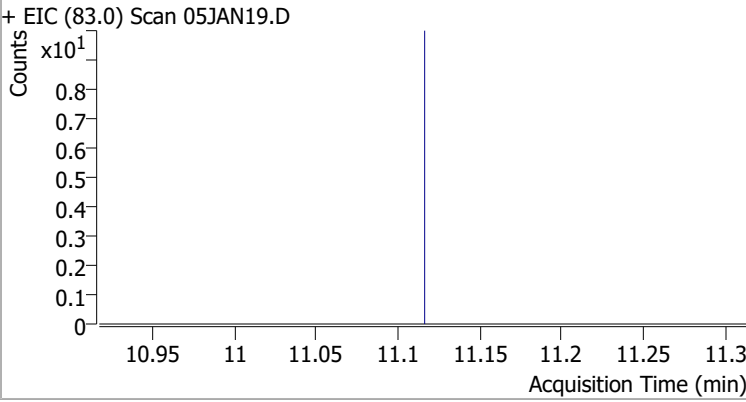
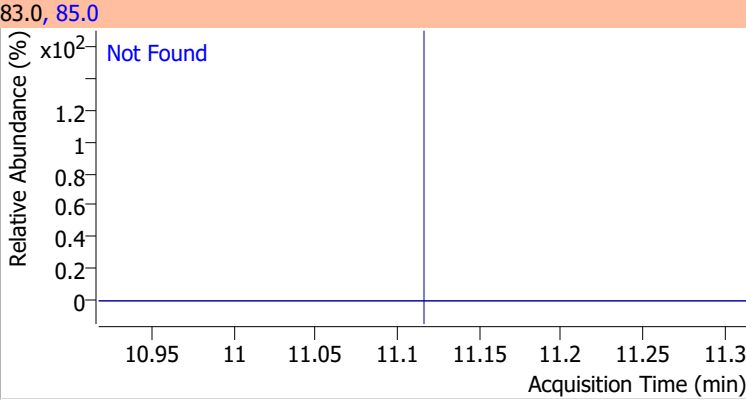
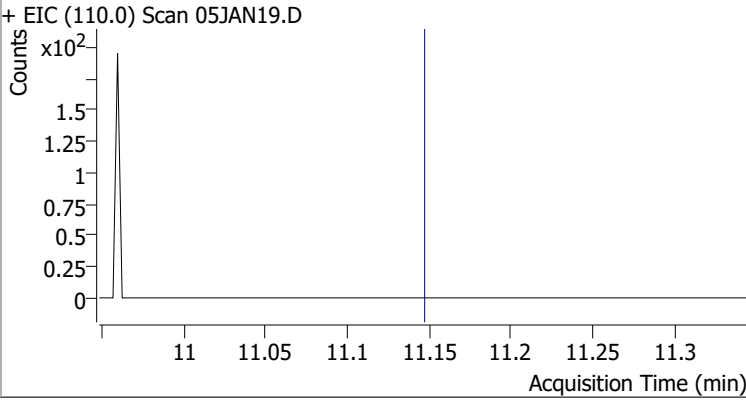
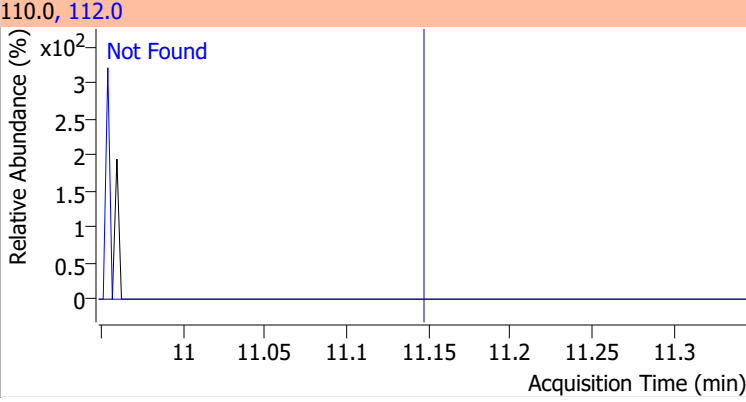
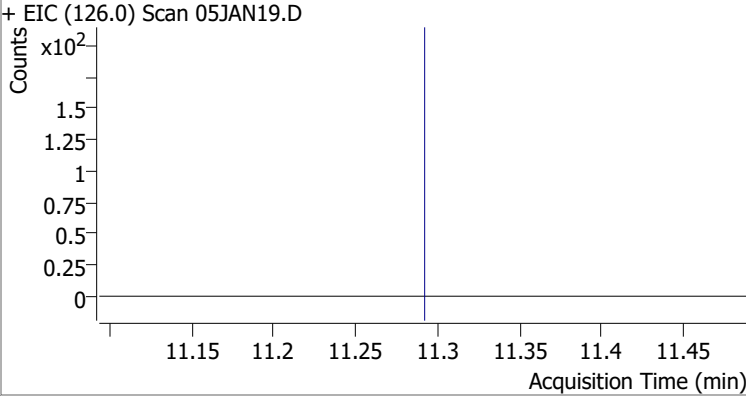
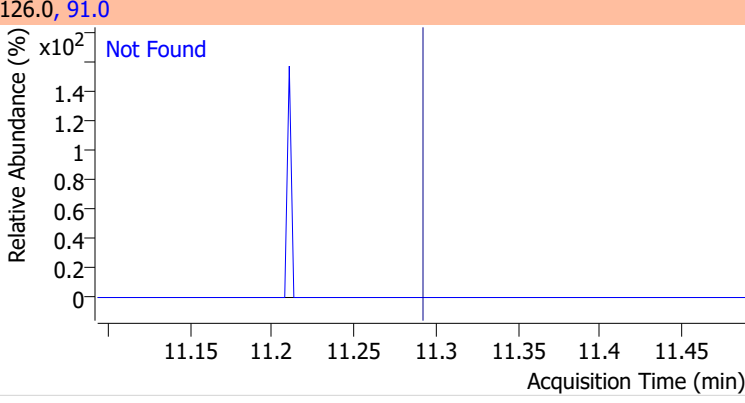
# Quantitation Results Report (QT Reviewed)



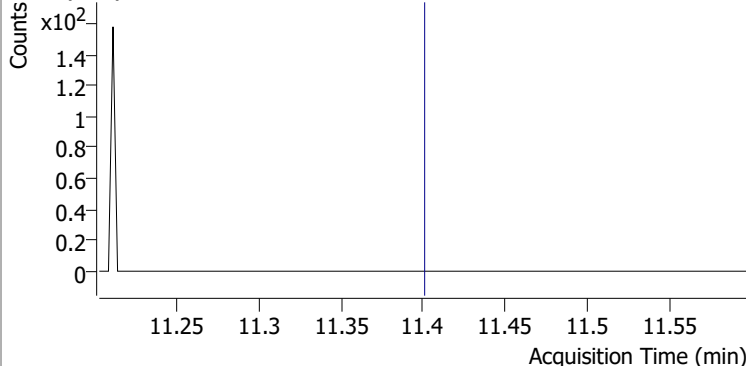
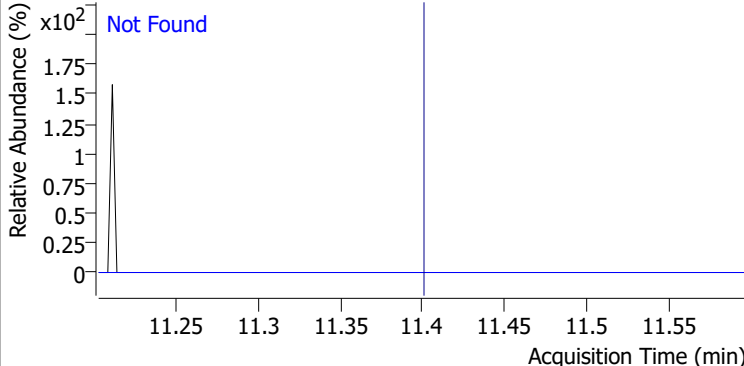
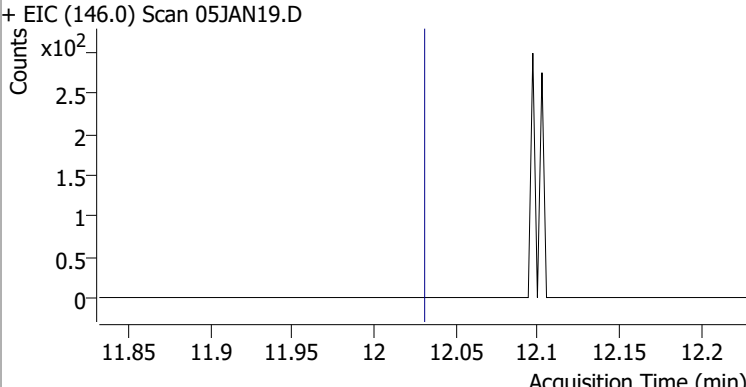
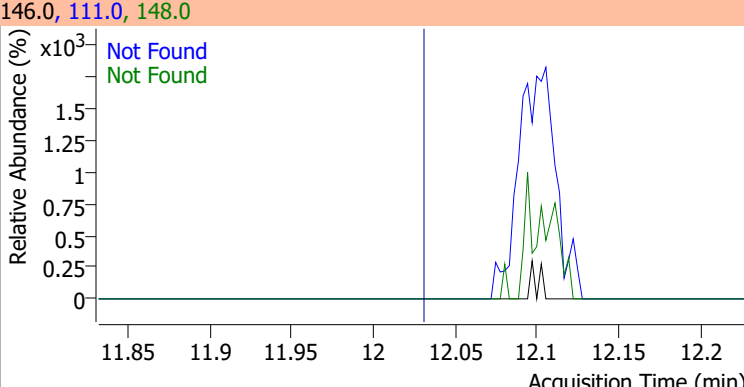
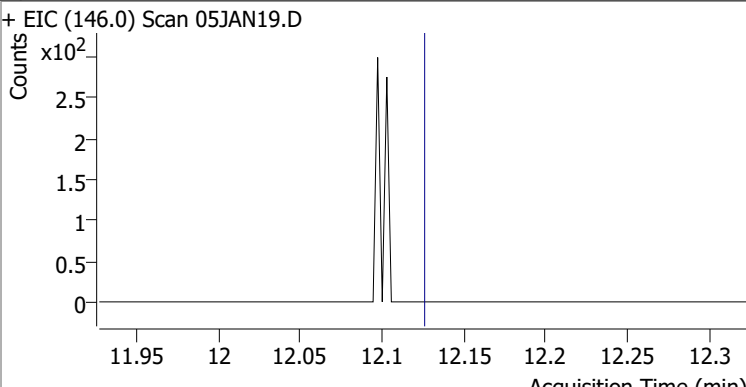
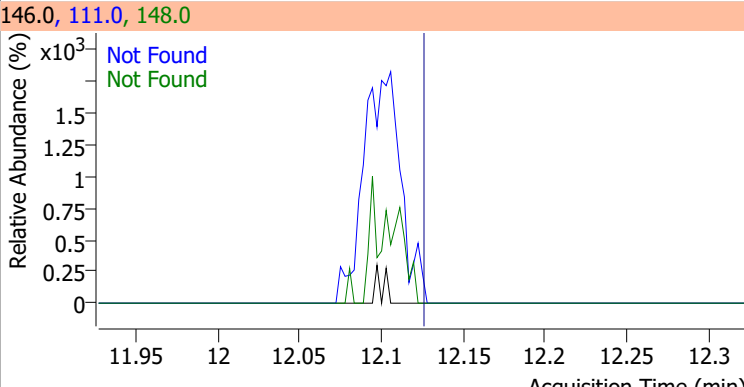
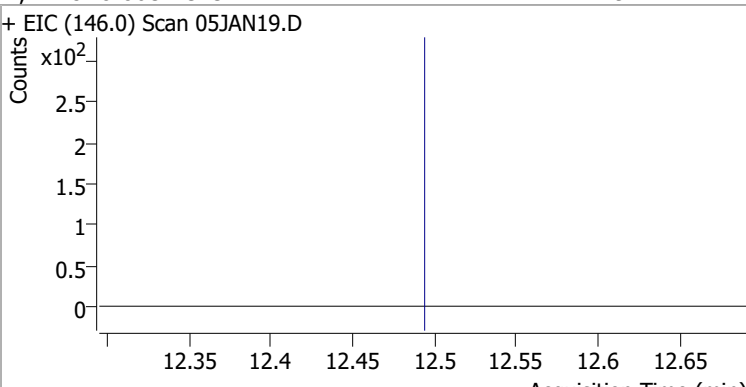
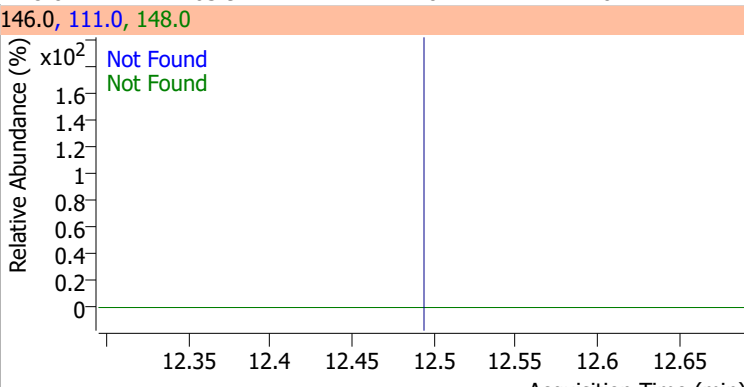
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 269.4934 | 10.95 | 0.00     | 217233 | 174.0 | 93.5   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 91.5   | 60.6  | 120.6 |



# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN19.D ***NO DATA POINTS***                                  |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN19.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN19.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN19.D   |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

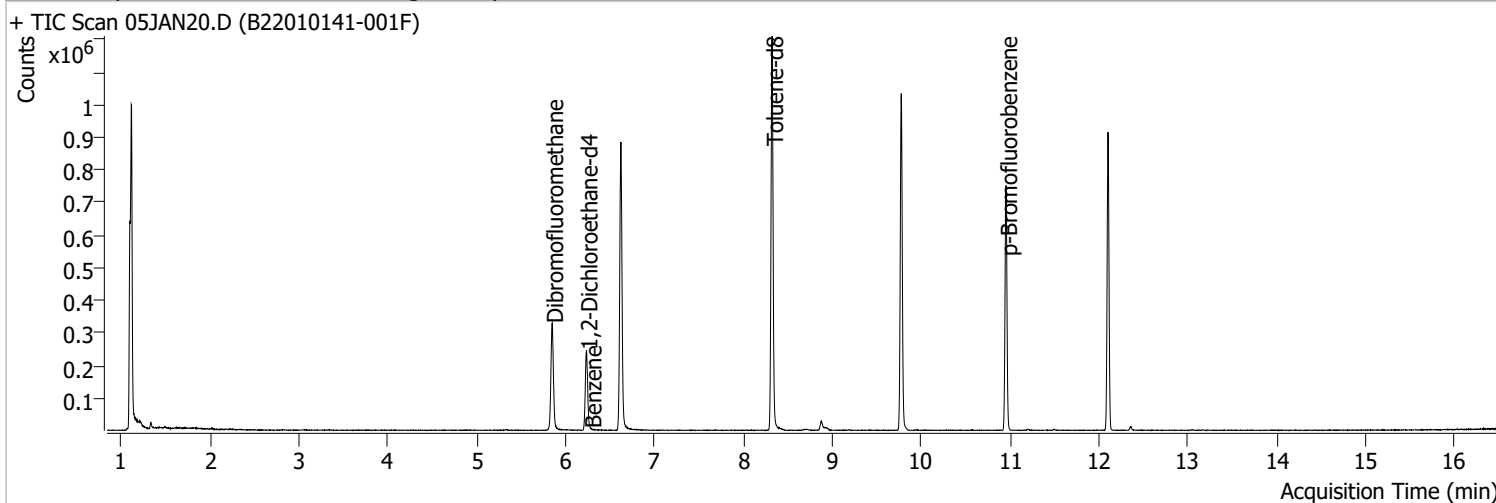
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN19.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN19.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN19.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN19.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN20.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 6:44:10 PM   |
| Sample Name    | B22010141-001F                      | Instrument        | VOA5975C              |
| Vial           | 20                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound | RT | QIon | Resp. | Conc. | Units | Dev(Min) |
|----------|----|------|-------|-------|-------|----------|
|----------|----|------|-------|-------|-------|----------|

**Internal Standards**

|                          |        |       |        |          |    |        |
|--------------------------|--------|-------|--------|----------|----|--------|
| M Fluorobenzene          | 6.620  | 96.0  | 736081 | 250.0000 | ng | -0.003 |
| M Chlorobenzene-d5       | 9.774  | 82.0  | 285810 | 250.0000 | ng | 0.003  |
| M 1,4-Dichlorobenzene-d4 | 12.100 | 152.0 | 218523 | 250.0000 | ng | 0.000  |

**System Monitoring Compounds**

|                         |                      |       |        |                    |    |       |
|-------------------------|----------------------|-------|--------|--------------------|----|-------|
| S Dibromofluoromethane  | 5.848                | 113.0 | 192434 | 277.4972           | ng | 0.003 |
| Spiked Amount: 250.000  | Range: 80.0 - 119.0% |       |        | Recovery = 111.00% |    |       |
| S 1,2-Dichloroethane-d4 | 6.233                | 67.0  | 86001  | 287.1237           | ng | 0.000 |
| Spiked Amount: 250.000  | Range: 81.0 - 118.0% |       |        | Recovery = 114.85% |    |       |
| S Toluene-d8            | 8.321                | 98.0  | 735346 | 266.9897           | ng | 0.003 |
| Spiked Amount: 250.000  | Range: 89.0 - 112.0% |       |        | Recovery = 106.80% |    |       |
| S p-Bromofluorobenzene  | 10.954               | 95.0  | 212642 | 265.6160           | ng | 0.000 |
| Spiked Amount: 250.000  | Range: 85.0 - 114.0% |       |        | Recovery = 106.25% |    |       |

**Target Compounds**

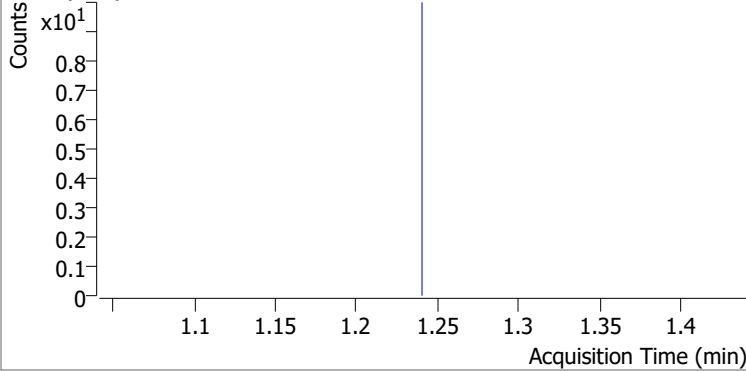
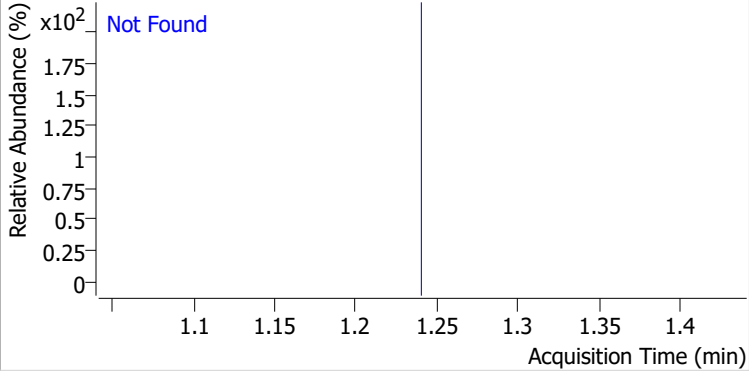
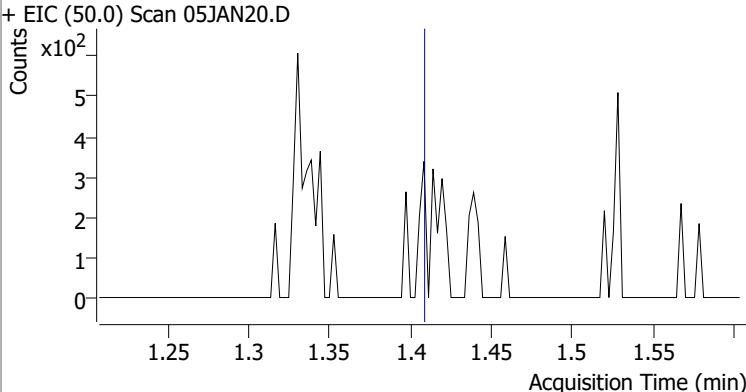
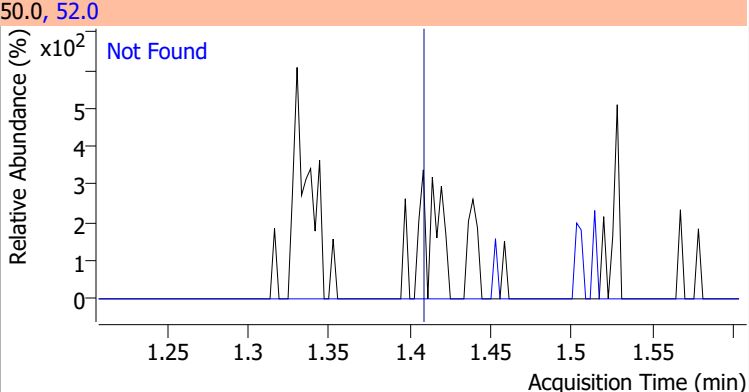
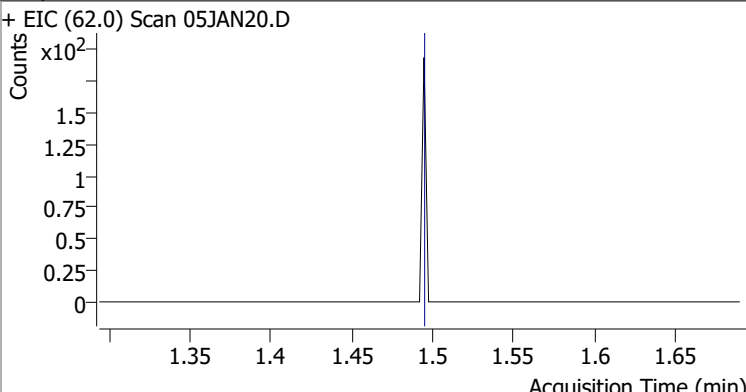
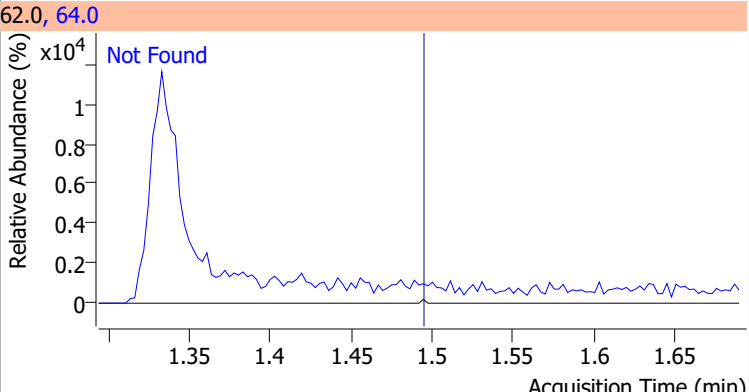
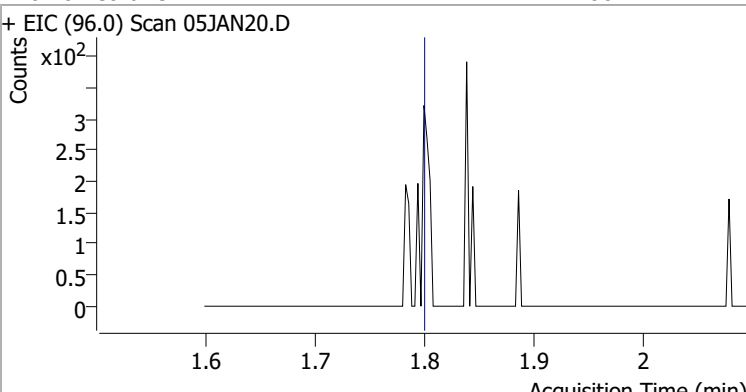
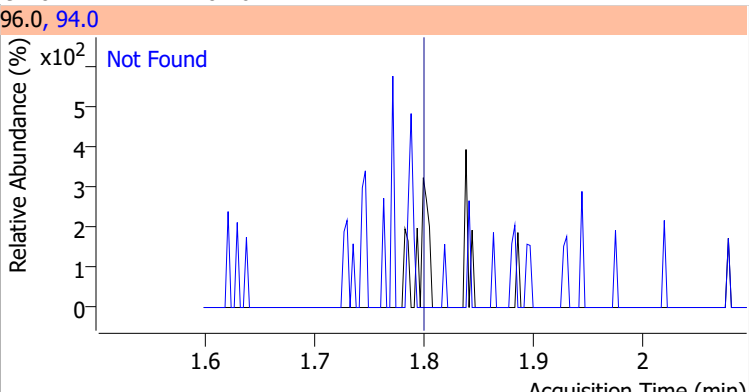
| Compound                         | RT    | QIon | Resp. | Conc. | Units | Dev(Min) | QValue |
|----------------------------------|-------|------|-------|-------|-------|----------|--------|
| T Dichlorodifluoromethane        | 0.000 |      | 0     | N.D.  |       |          |        |
| T Chloromethane                  | 0.000 |      | 0     | N.D.  |       |          |        |
| T Vinyl chloride                 | 0.000 |      | 0     | N.D.  |       |          |        |
| T Bromomethane                   | 0.000 |      | 0     | N.D.  |       |          |        |
| T Chloroethane                   | 0.000 |      | 0     | N.D.  |       |          |        |
| T Trichlorofluoromethane         | 0.000 |      | 0     | N.D.  |       |          |        |
| T 1,1-Dichloroethene             | 0.000 |      | 0     | N.D.  |       |          |        |
| T Methylene chloride             | 0.000 |      | 0     | N.D.  |       |          |        |
| T trans-1,2-Dichloroethene       | 0.000 |      | 0     | N.D.  |       |          |        |
| T Methyl tert-butyl ether (MTBE) | 0.000 |      | 0     | N.D.  |       |          |        |
| T 1,1-Dichloroethane             | 0.000 |      | 0     | N.D.  |       |          |        |
| T 2,2-Dichloropropane            | 0.000 |      | 0     | N.D.  |       |          |        |
| T cis-1,2-Dichloroethene         | 0.000 |      | 0     | N.D.  |       |          |        |
| T Methyl ethyl ketone            | 0.000 |      | 0     | N.D.  |       |          |        |
| T Bromochloromethane             | 0.000 |      | 0     | N.D.  |       |          |        |
| T Chloroform                     | 0.000 |      | 0     | N.D.  |       |          |        |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp. | Conc.  | Units |    | Dev(Min) |
|-----------------------------|--------|-------|-------|--------|-------|----|----------|
| T 1,1,1-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |    |          |
| T Carbon tetrachloride      | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1-Dichloropropene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Benzene                   | 6.277  | 78.0  | 427   | 0.1455 | ng    | m  | 85       |
| T 1,2-Dichloroethane        | 0.000  |       | 0     | N.D.   |       |    |          |
| T Trichloroethene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Dibromomethane            | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromodichloromethane      | 0.000  |       | 0     | N.D.   |       |    |          |
| T cis-1,3-Dichloropropene   | 0.000  |       | 0     | N.D.   |       |    |          |
| T Toluene                   | 0.000  |       | 0     | N.D.   |       |    |          |
| T trans-1,3-Dichloropropene | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,2-Trichloroethane     | 0.000  |       | 0     | N.D.   |       |    |          |
| T Tetrachloroethene         | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichloropropane       | 0.000  |       | 0     | N.D.   |       |    |          |
| T Chlorodibromomethane      | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dibromoethane         | 0.000  |       | 0     | N.D.   |       |    |          |
| T Chlorobenzene             | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,1,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |    |          |
| T Ethylbenzene              | 0.000  |       | 0     | N.D.   |       |    |          |
| T m+p-Xylenes               | 10.048 | 106.0 | 0     |        | ng    | md | 1        |
| T o-Xylene                  | 0.000  |       | 0     | N.D.   |       |    |          |
| T Styrene                   | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromoform                 | 0.000  |       | 0     | N.D.   |       |    |          |
| T Bromobenzene              | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,1,2,2-Tetrachloroethane | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2,3-Trichloropropane    | 0.000  |       | 0     | N.D.   |       |    |          |
| T 2-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 4-Chlorotoluene           | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,4-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichlorobenzene       | 0.000  |       | 0     | N.D.   |       |    |          |

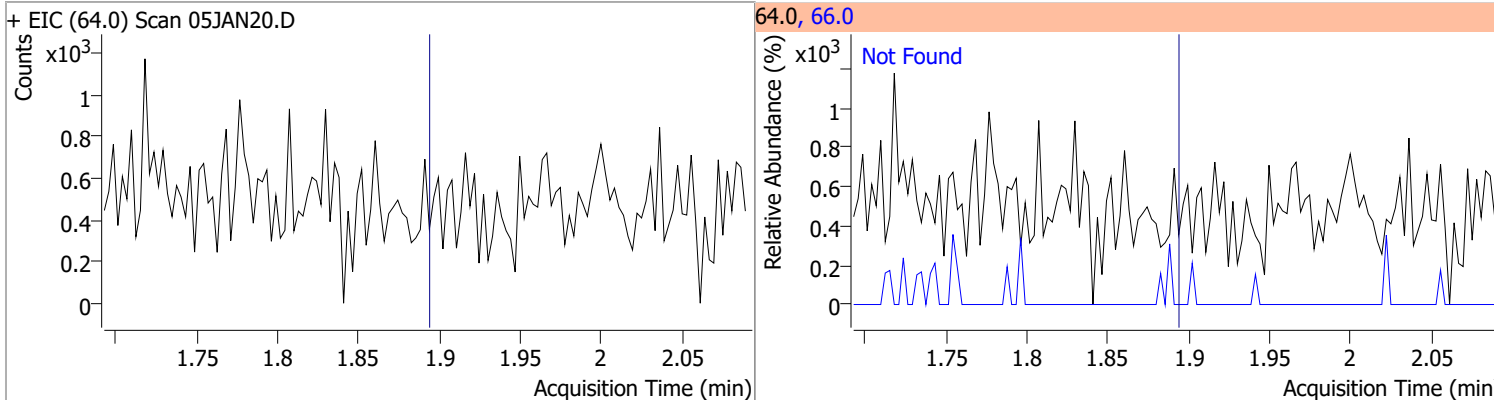
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

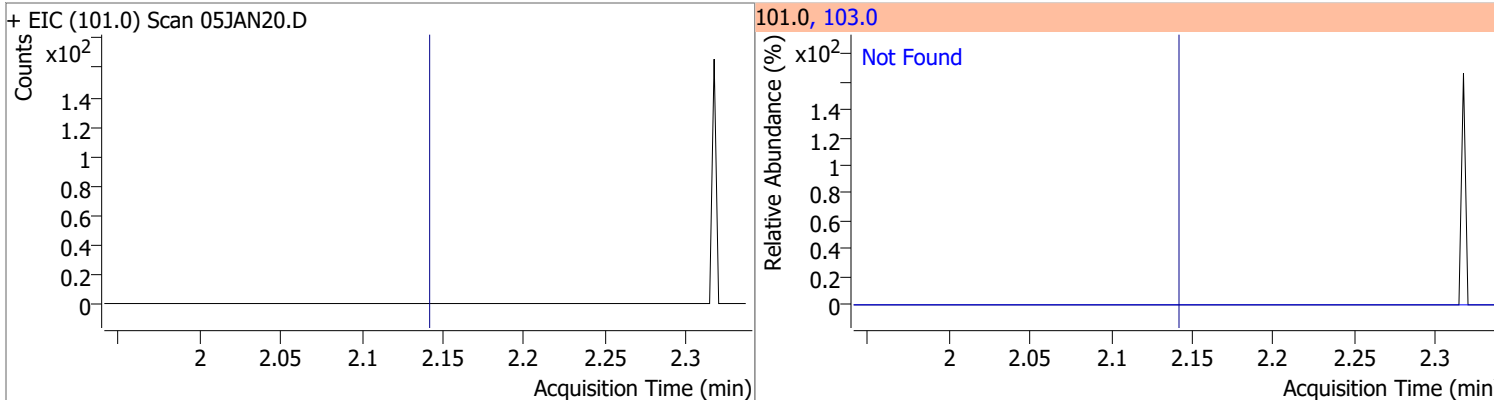
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| Dichlorodifluoromethane  | N.D.  | 1.24   | 87.0   | 32.3      |
| + EIC (85.0) Scan 05JAN20.D ***NO DATA POINTS***                                   |       |        | 85.0, 87.0   |           |
|    |       |        |    |           |
| Chloromethane  | N.D.  | 1.41   | 52.0   | 32.1      |
| + EIC (50.0) Scan 05JAN20.D  |       |        | 50.0, 52.0   |           |
|   |       |        |   |           |
| Vinyl chloride   | N.D.  | 1.50   | 64.0   | 29.9      |
| + EIC (62.0) Scan 05JAN20.D  |       |        | 62.0, 64.0   |           |
|  |       |        |  |           |
| Bromomethane   | N.D.  | 1.80   | 94.0   | 104.6     |
| + EIC (96.0) Scan 05JAN20.D  |       |        | 96.0, 94.0   |           |
|  |       |        |  |           |

# Quantitation Results Report (QT Reviewed)

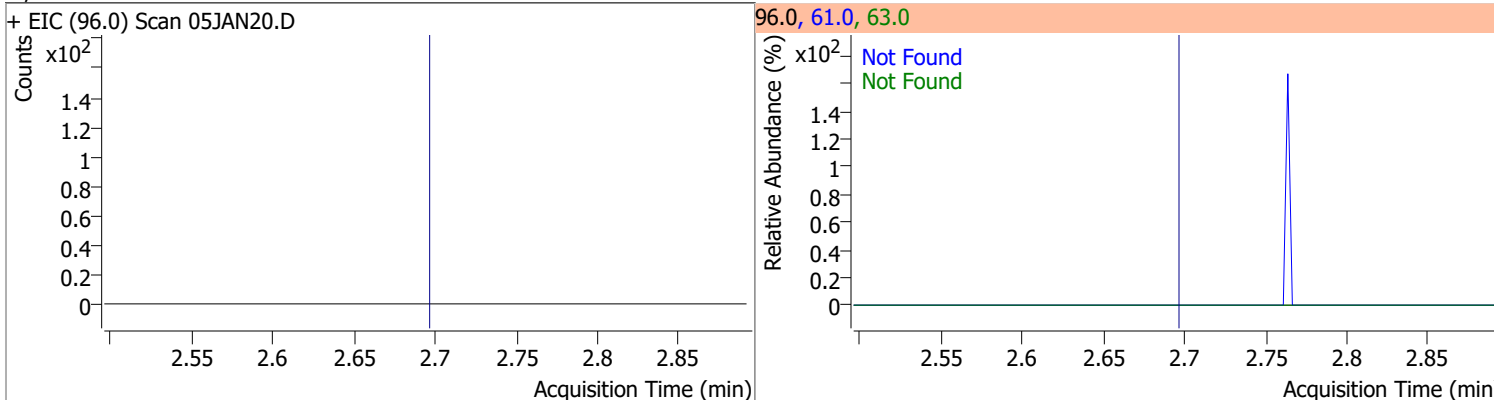
| Compound     | Conc. | Exp RT | QIon | Exp Ratio |
|--------------|-------|--------|------|-----------|
| Chloroethane | N.D.  | 1.89   | 66.0 | 30.1      |



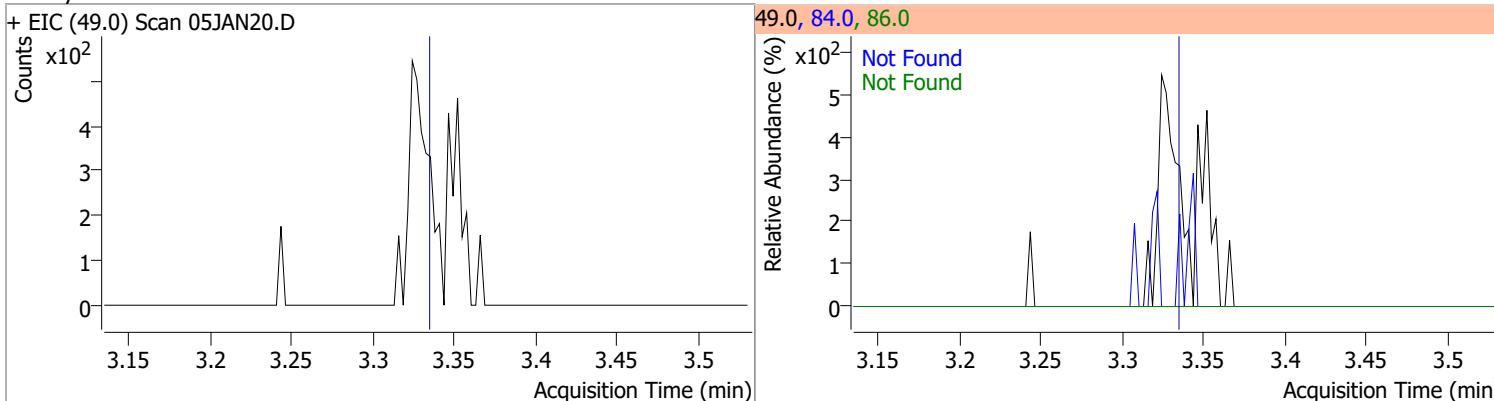
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

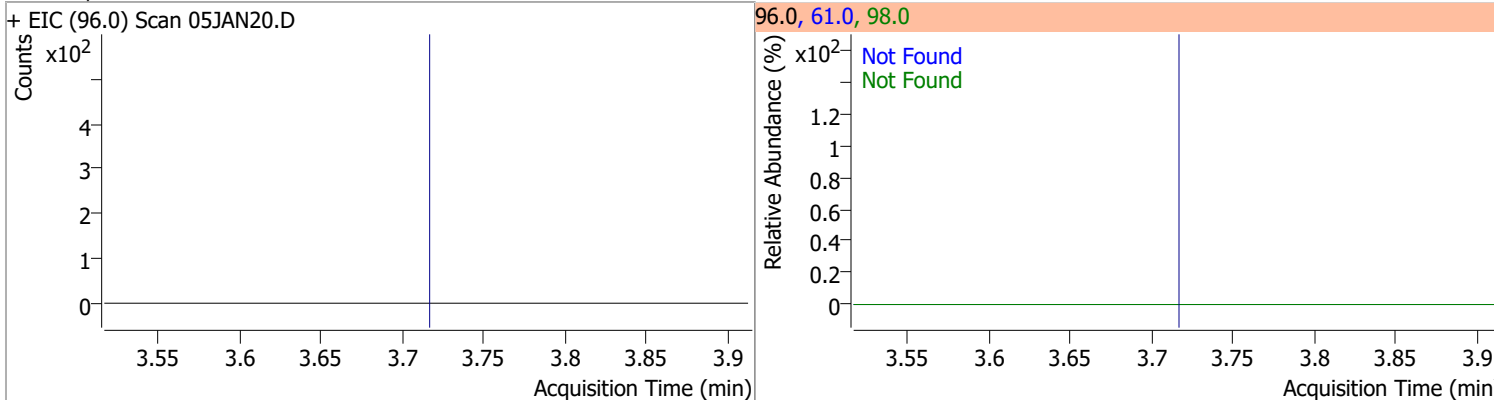


| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| Methylene chloride | N.D.  | 3.34   | 84.0 | 66.9      | 86.0 | 44.3      |

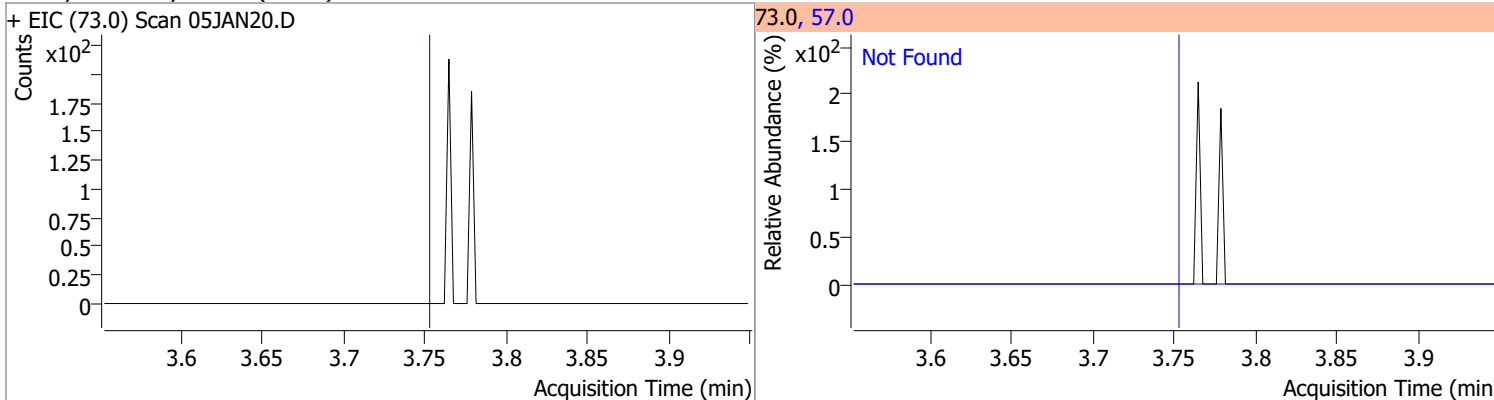


# Quantitation Results Report (QT Reviewed)

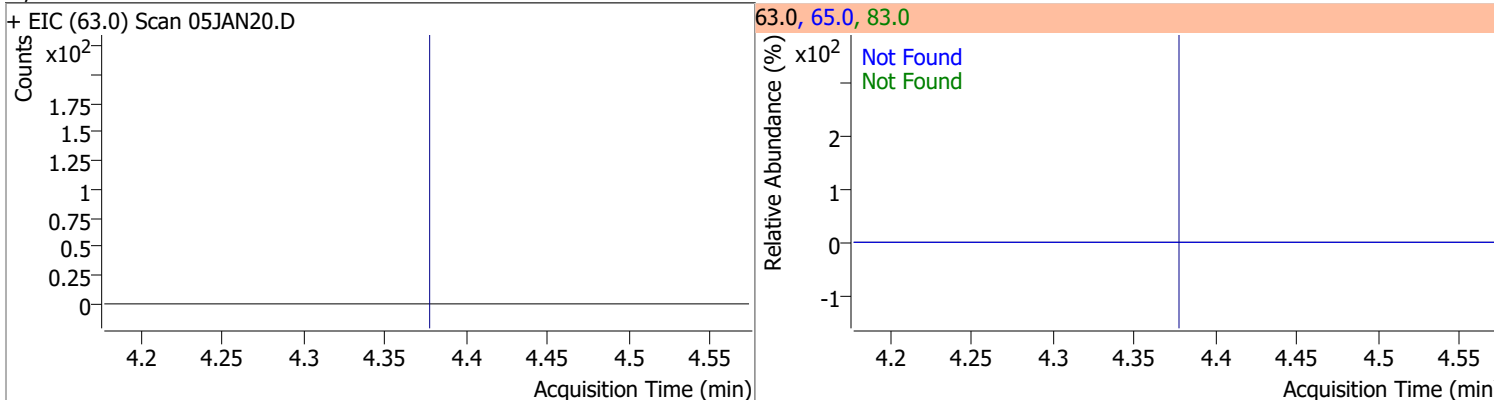
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



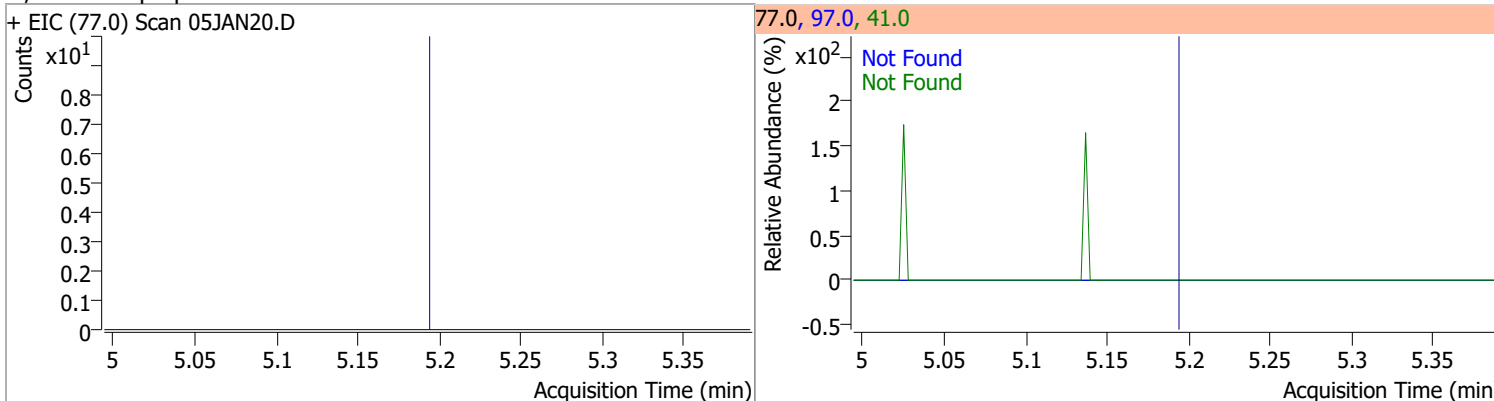
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

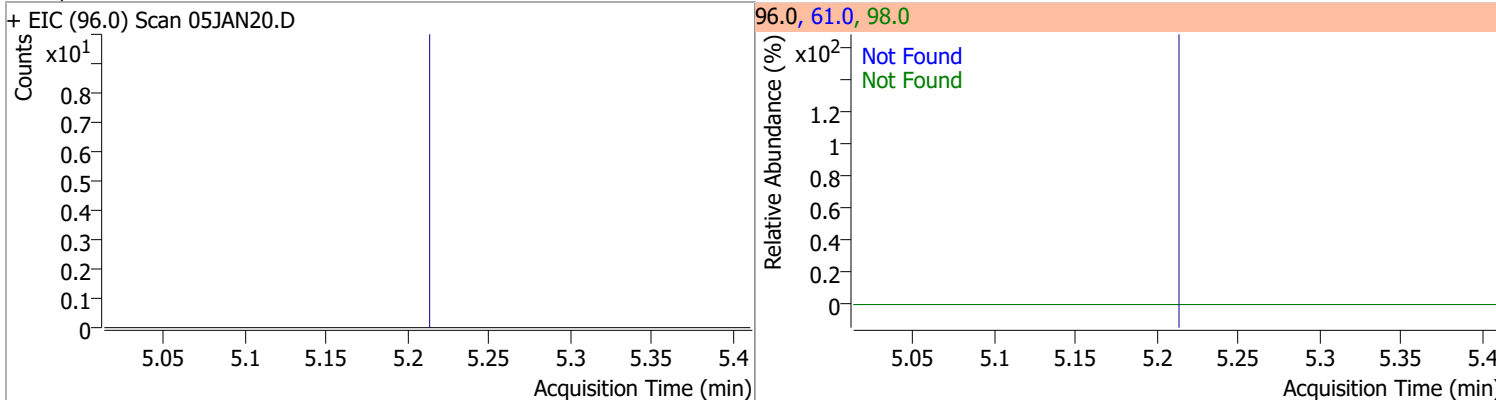


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

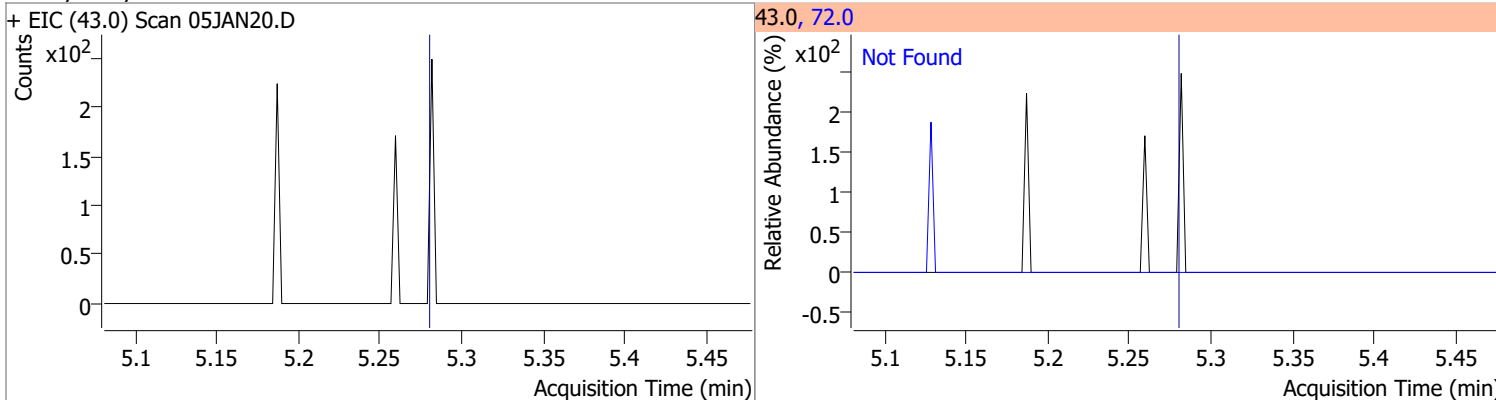


# Quantitation Results Report (QT Reviewed)

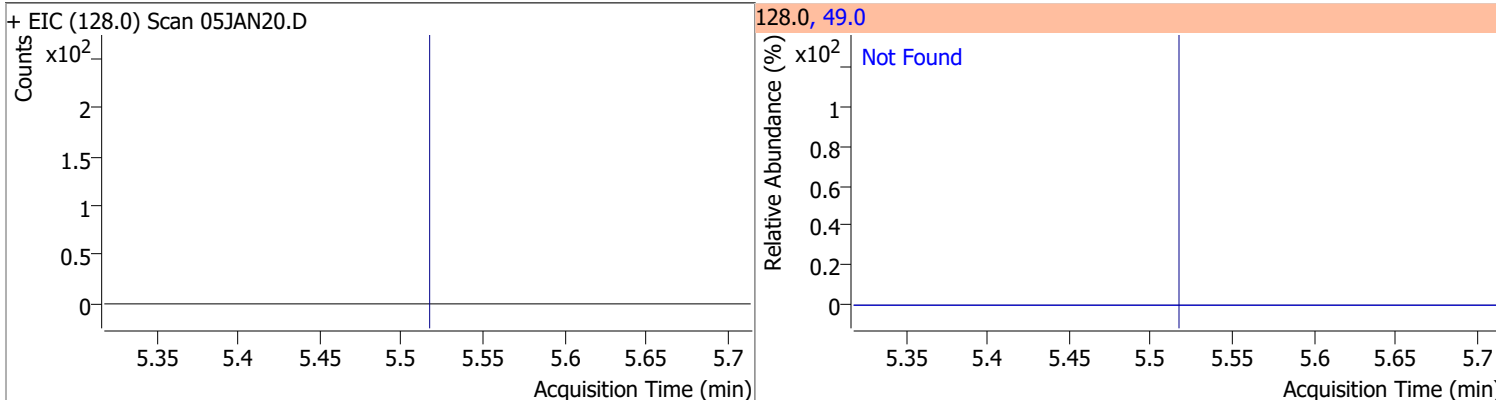
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



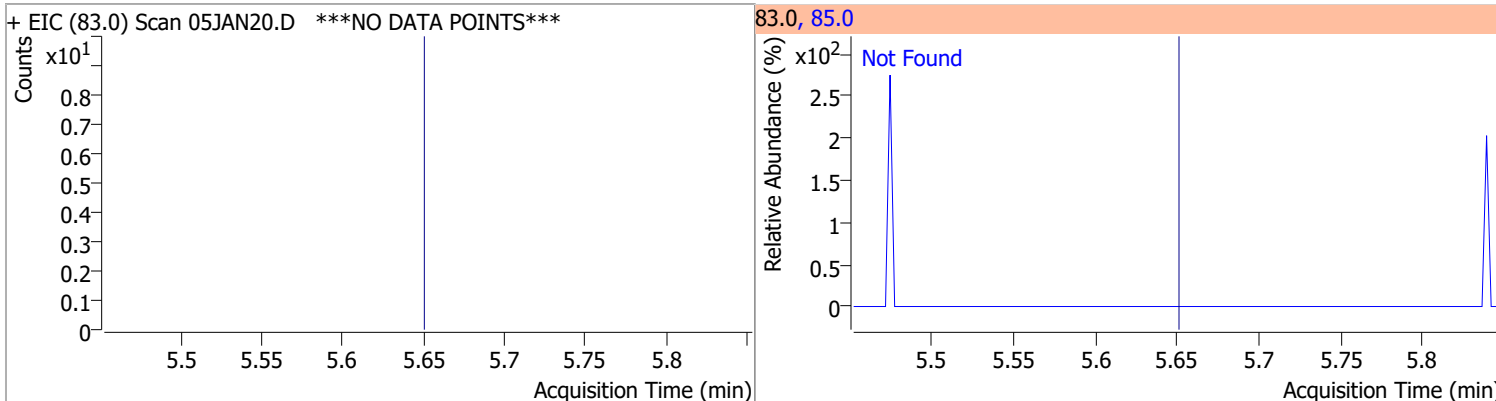
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



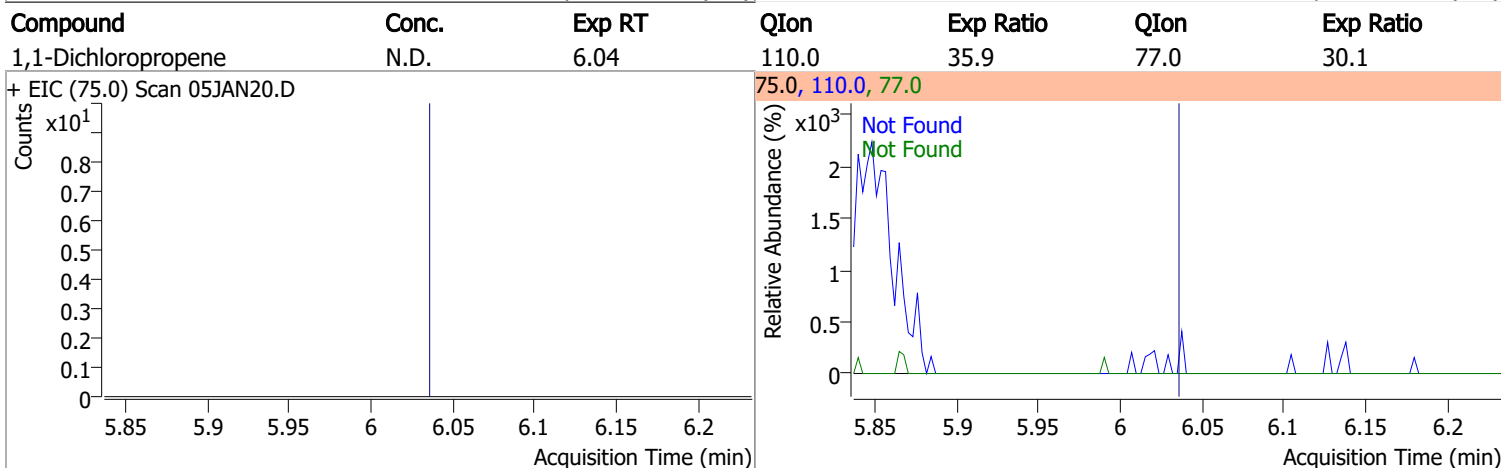
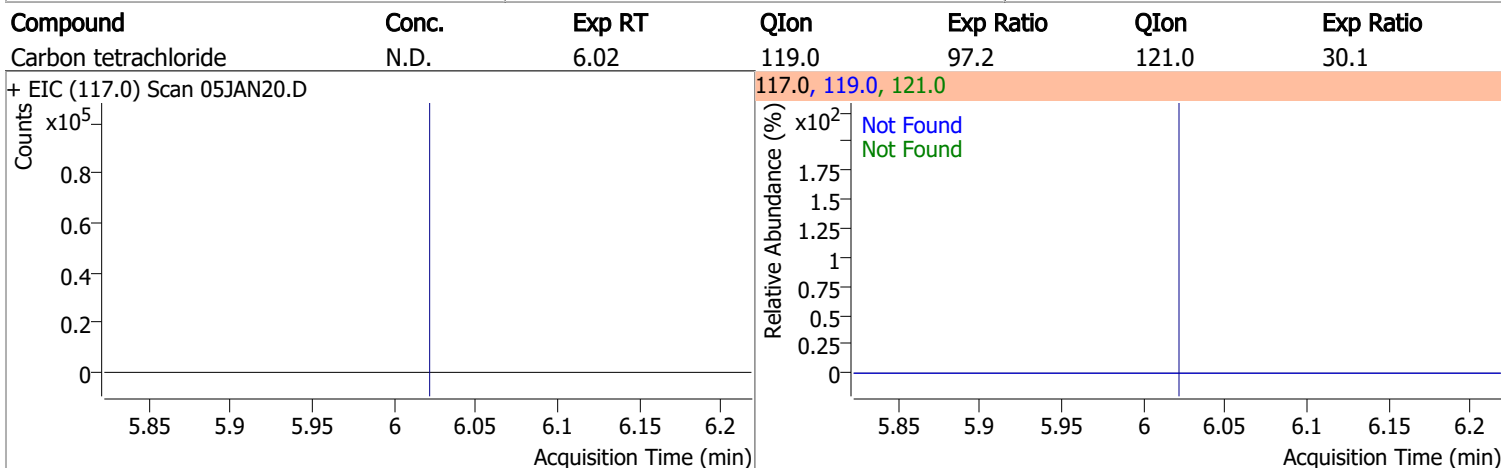
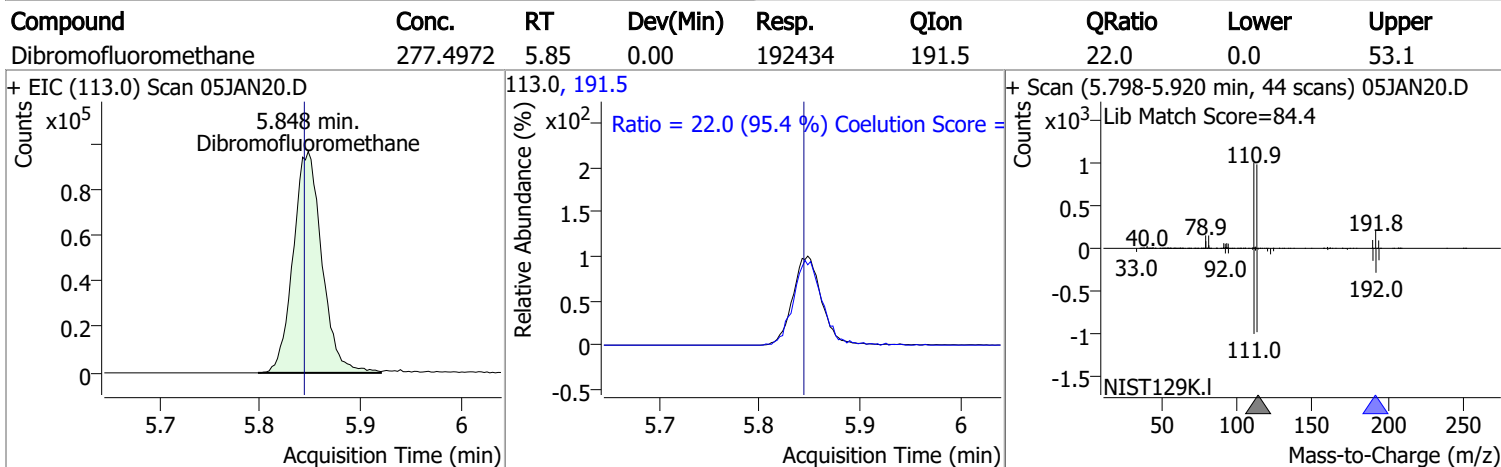
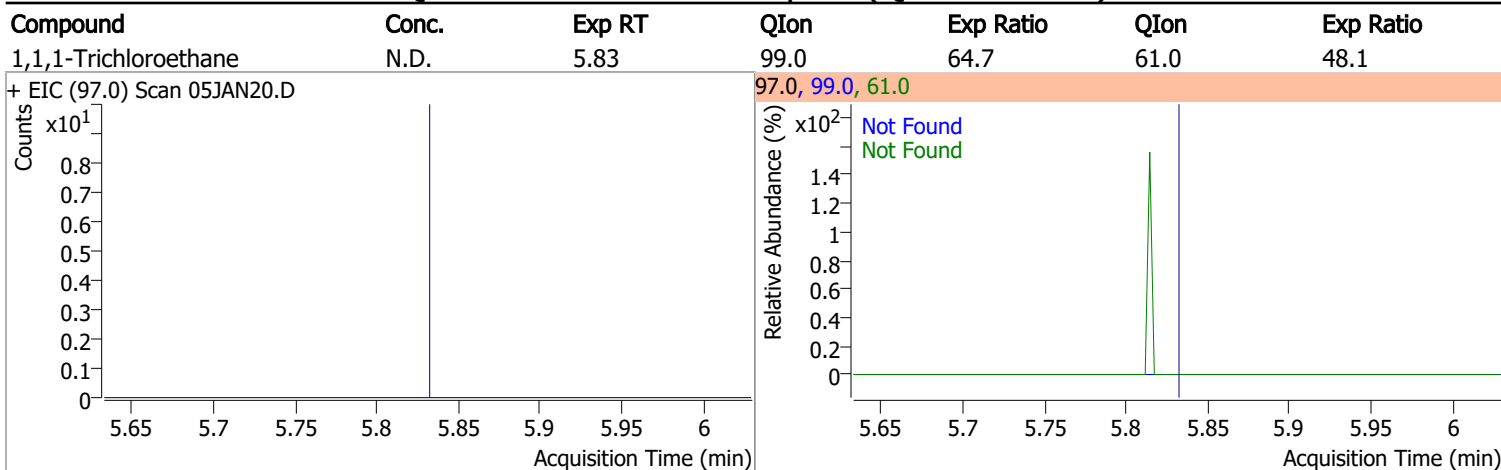
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc. | Exp RT | QIon | Exp Ratio |
|------------|-------|--------|------|-----------|
| Chloroform | N.D.  | 5.65   | 85.0 | 66.0      |

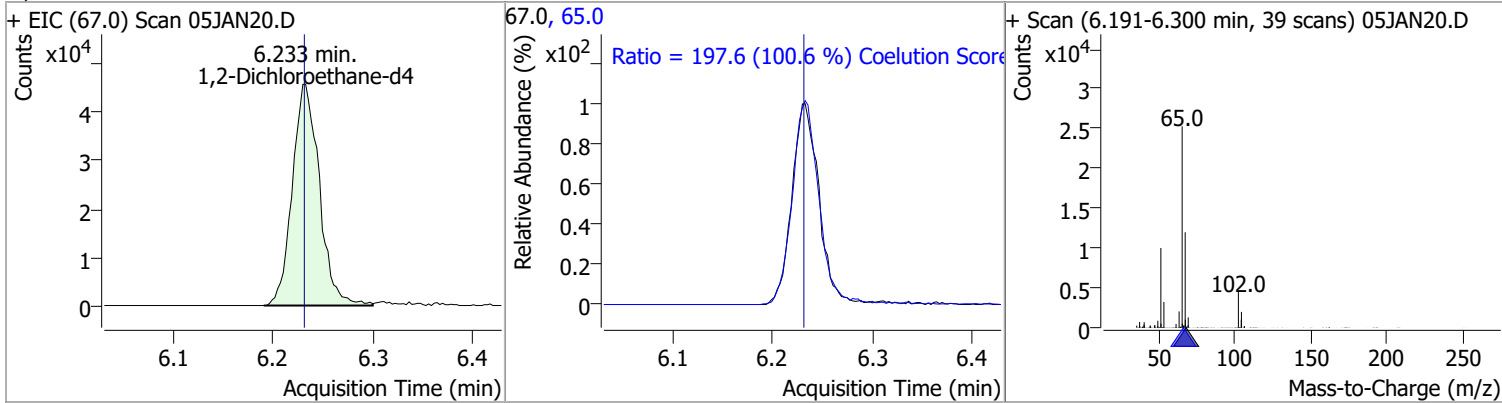


# Quantitation Results Report (QT Reviewed)

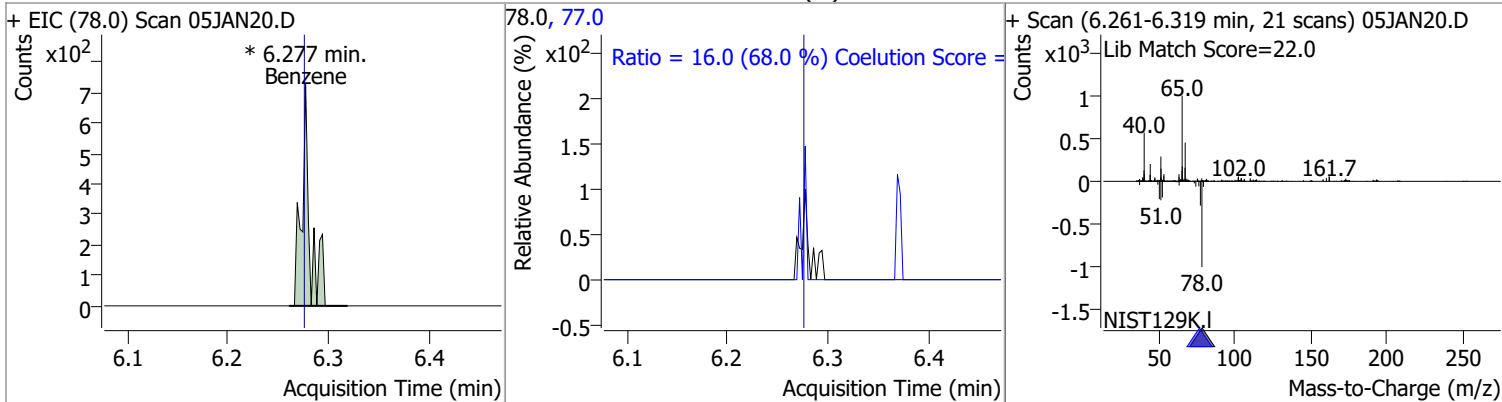


# Quantitation Results Report (QT Reviewed)

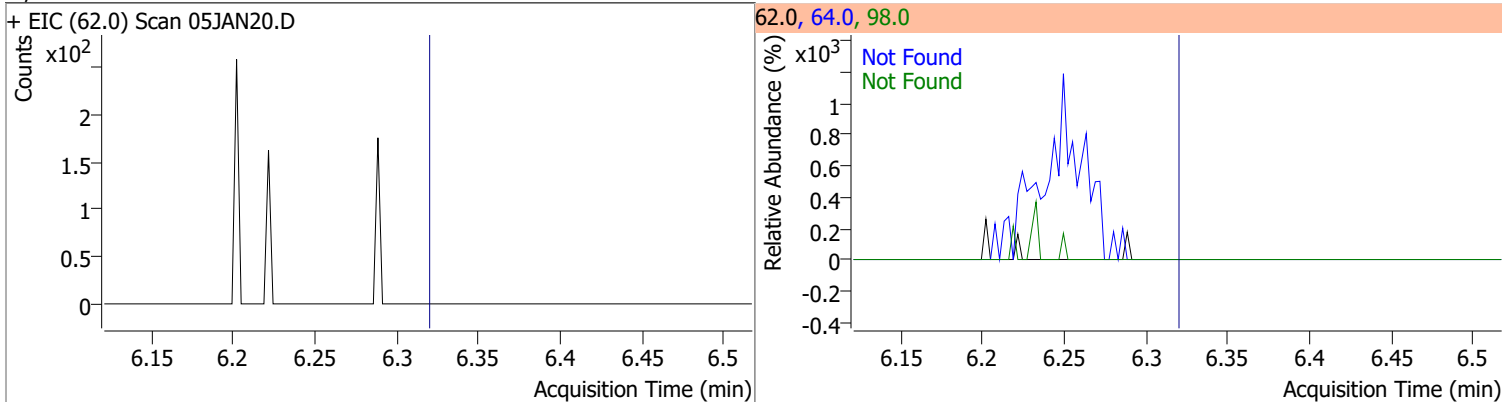
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 287.1237 | 6.23 | 0.00     | 86001 | 65.0 | 197.6  | 166.5 | 226.5 |



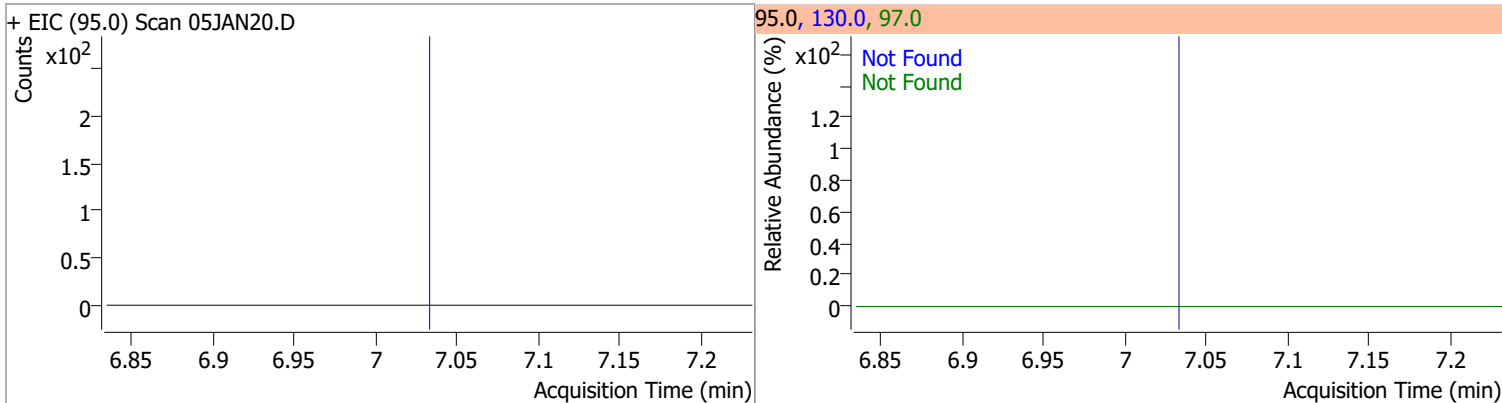
| Compound | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 0.1455 | 6.28 | 0.00     | 427 (m) | 77.0 | 16.0   | 0.0   | 53.5  |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |

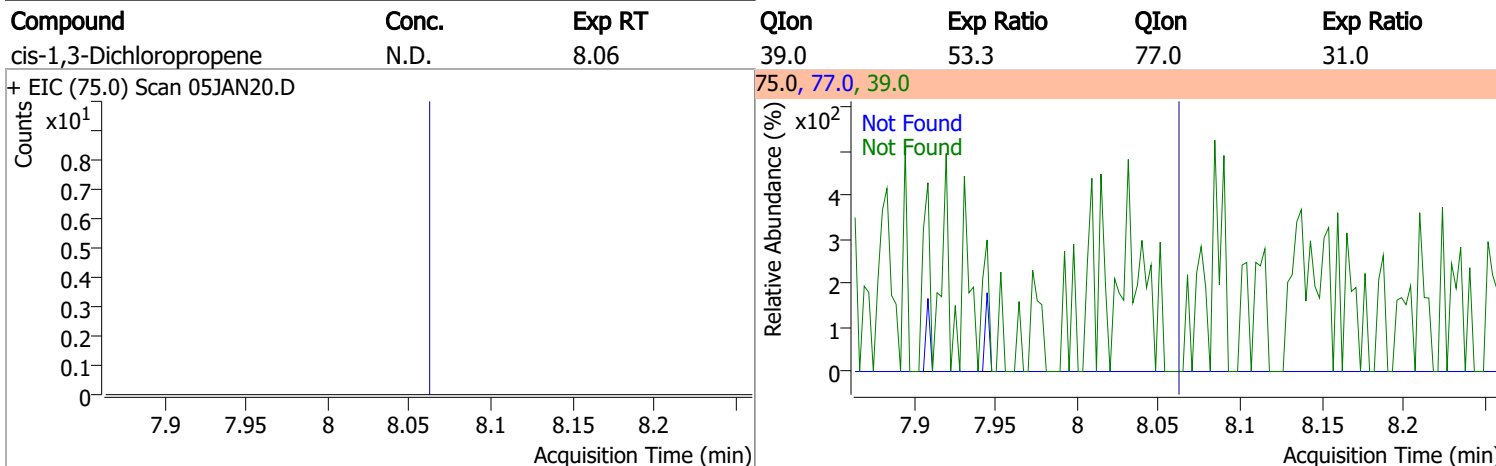
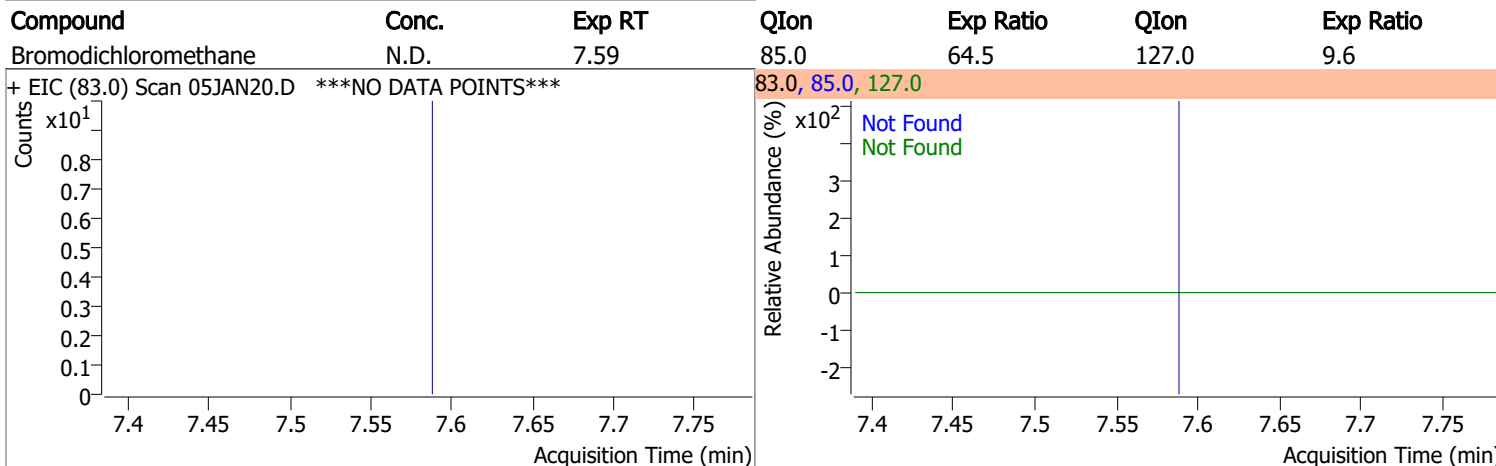
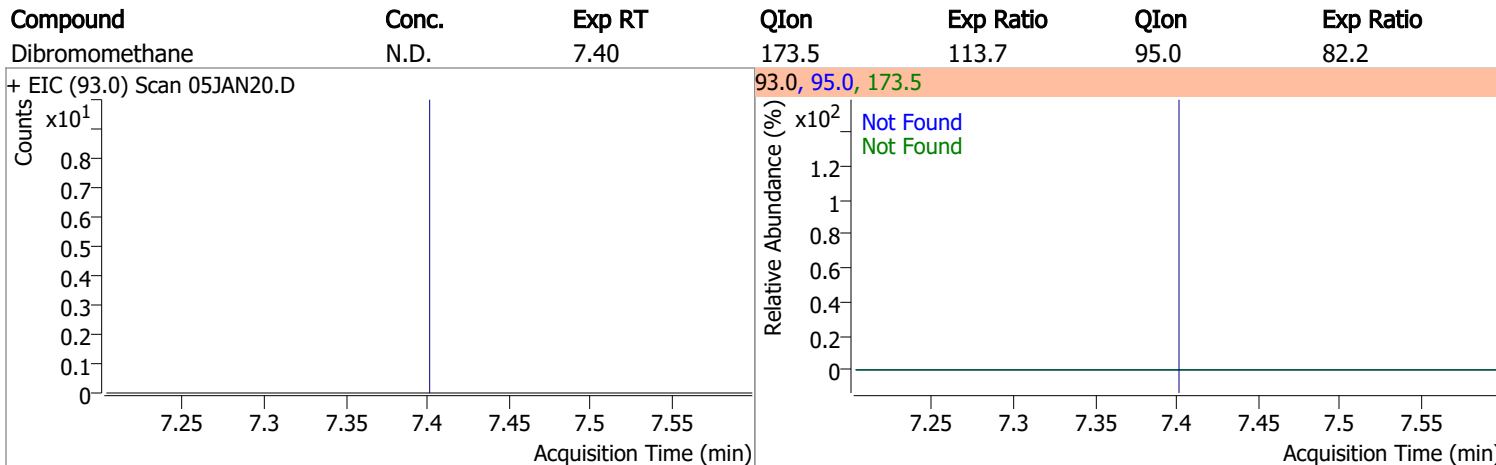
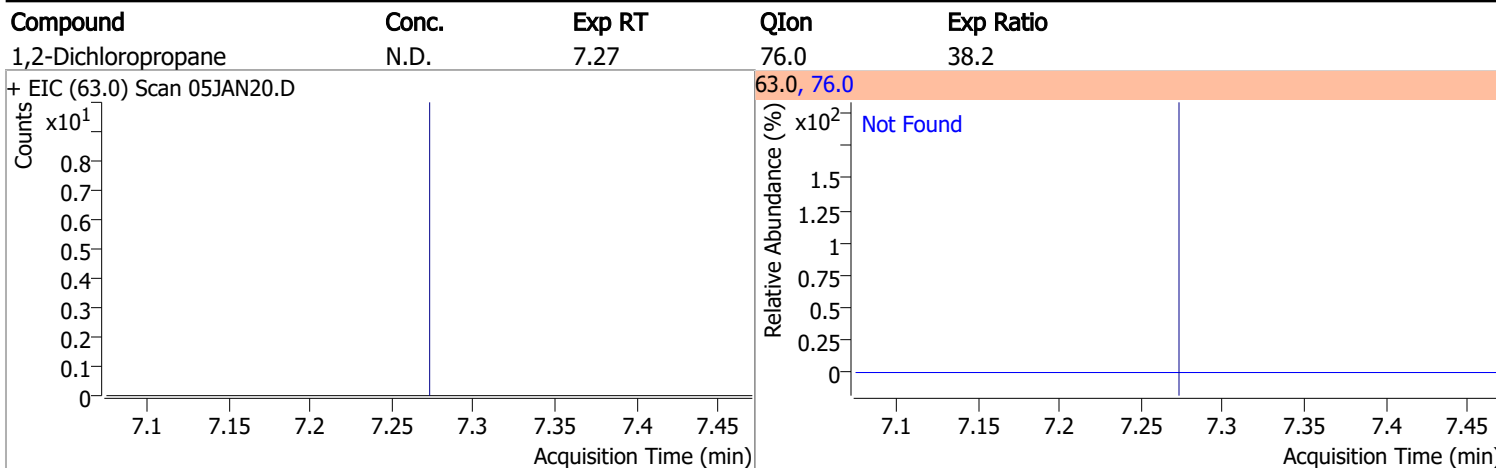


| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |



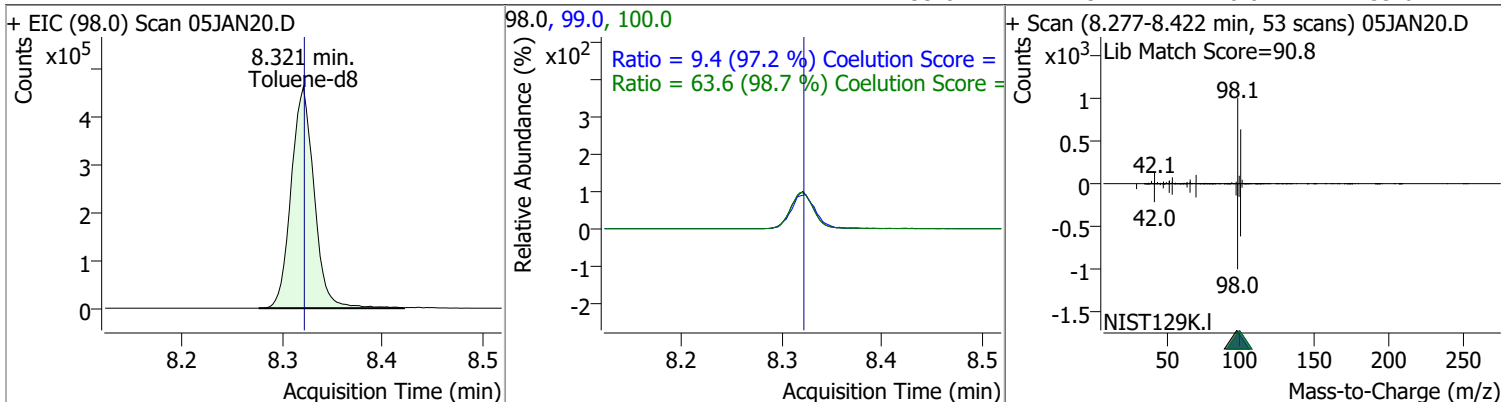


# Quantitation Results Report (QT Reviewed)

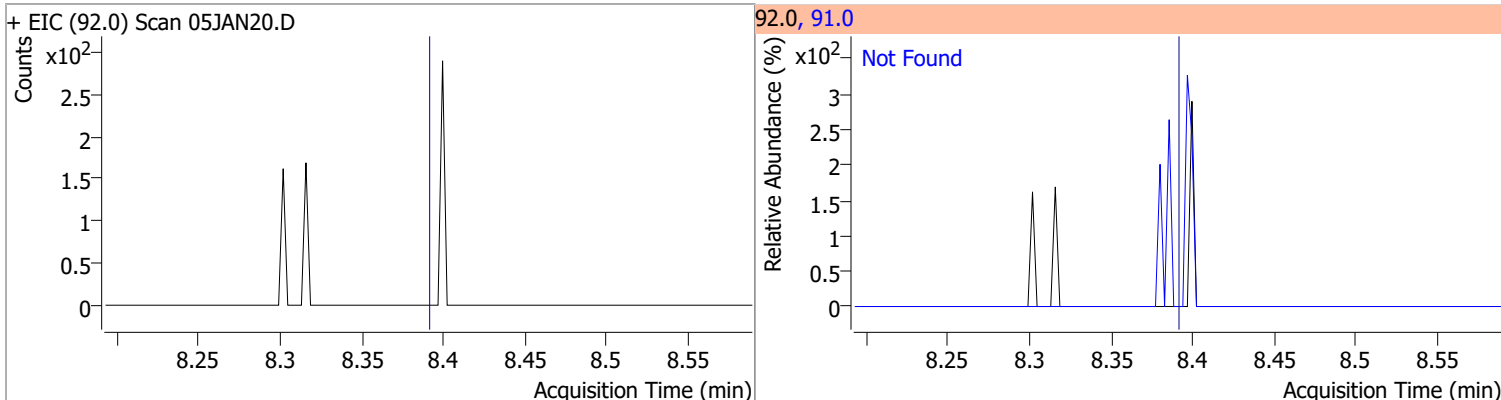


# Quantitation Results Report (QT Reviewed)

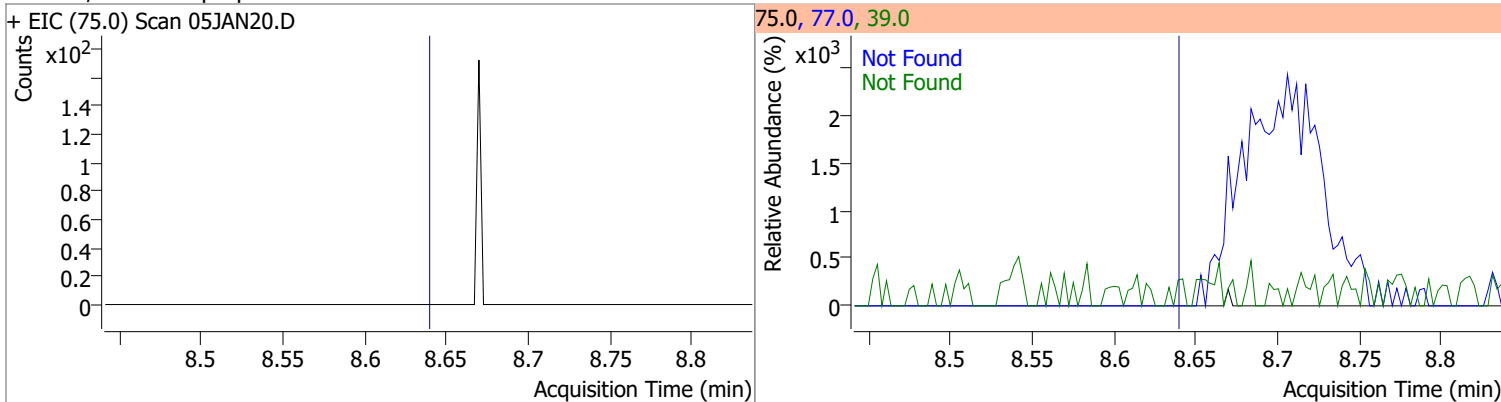
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 266.9897 | 8.32 | 0.00     | 735346 | 100.0 | 63.6   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.4    | 0.0   | 39.6  |



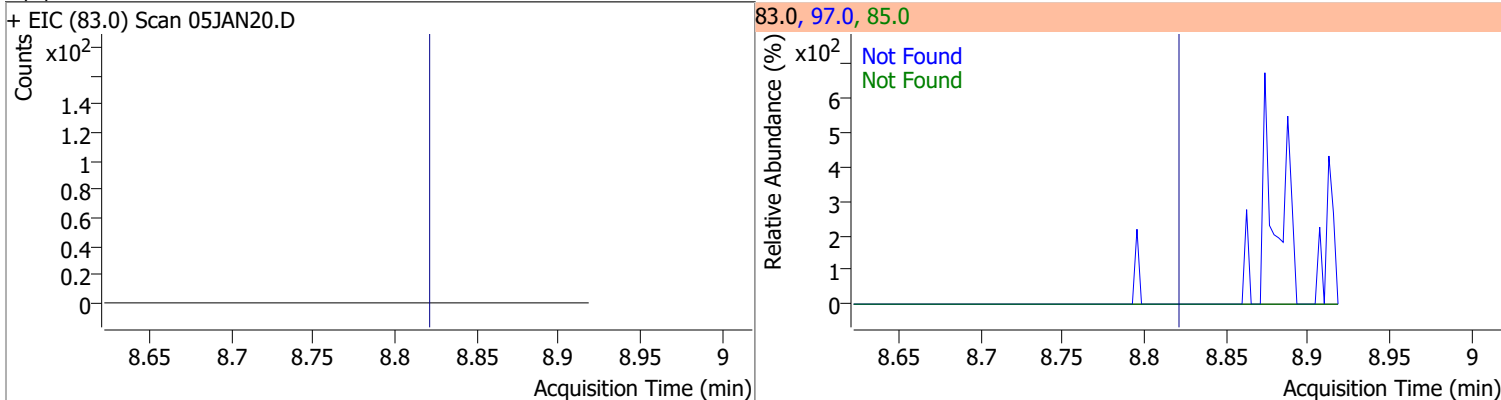
| Compound | Conc. | Exp RT | QIon | Exp Ratio |
|----------|-------|--------|------|-----------|
| Toluene  | N.D.  | 8.39   | 91.0 | 175.8     |



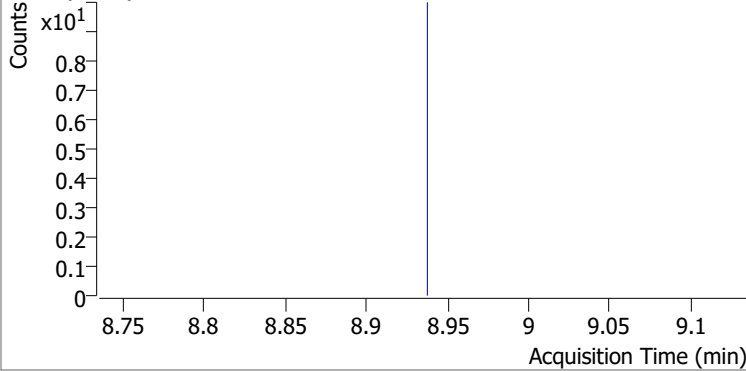
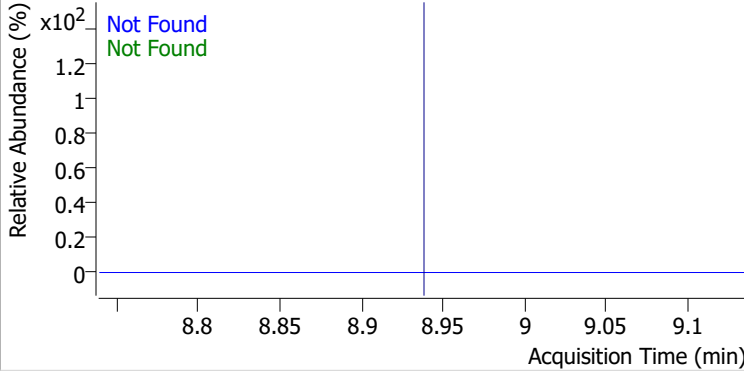
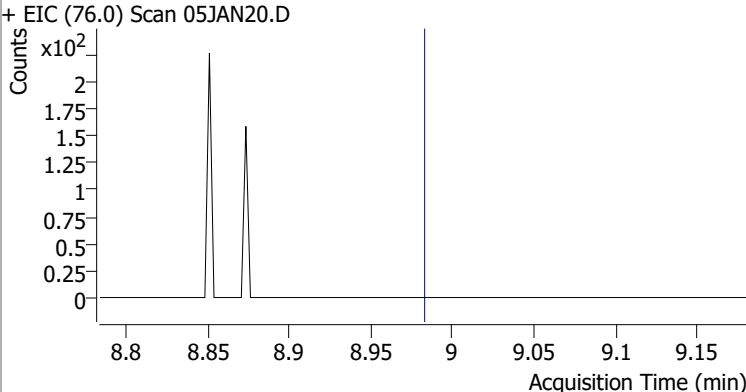
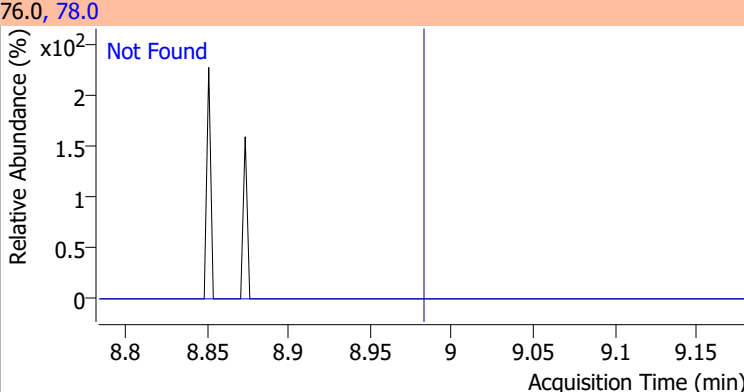
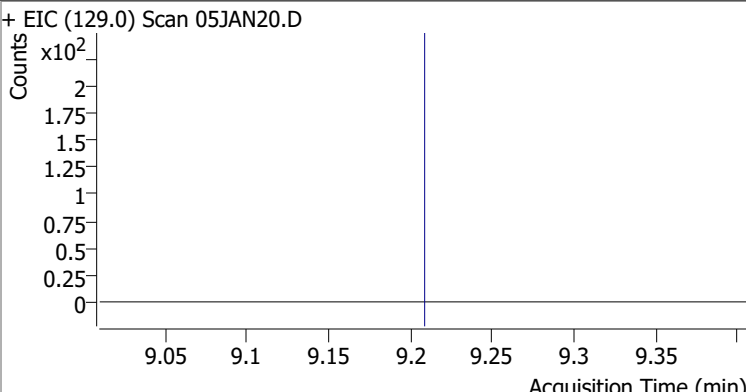
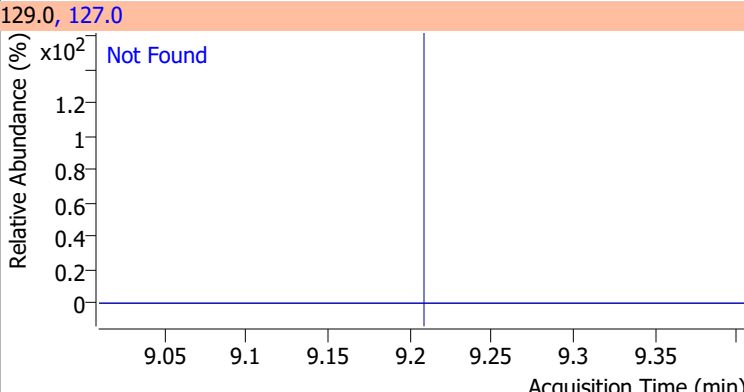
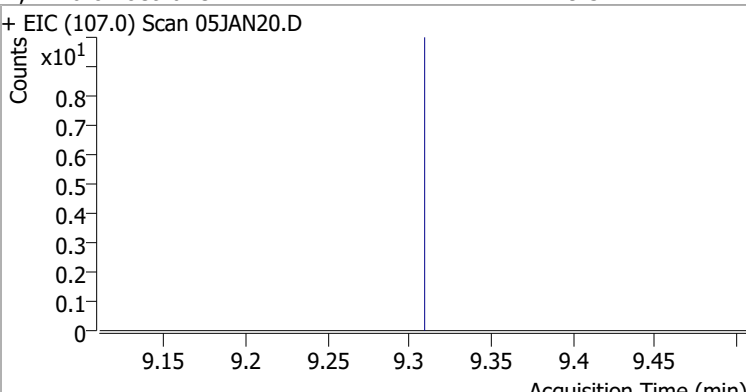
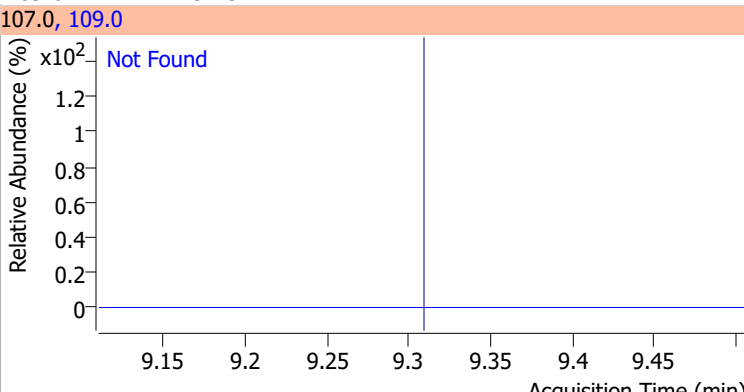
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

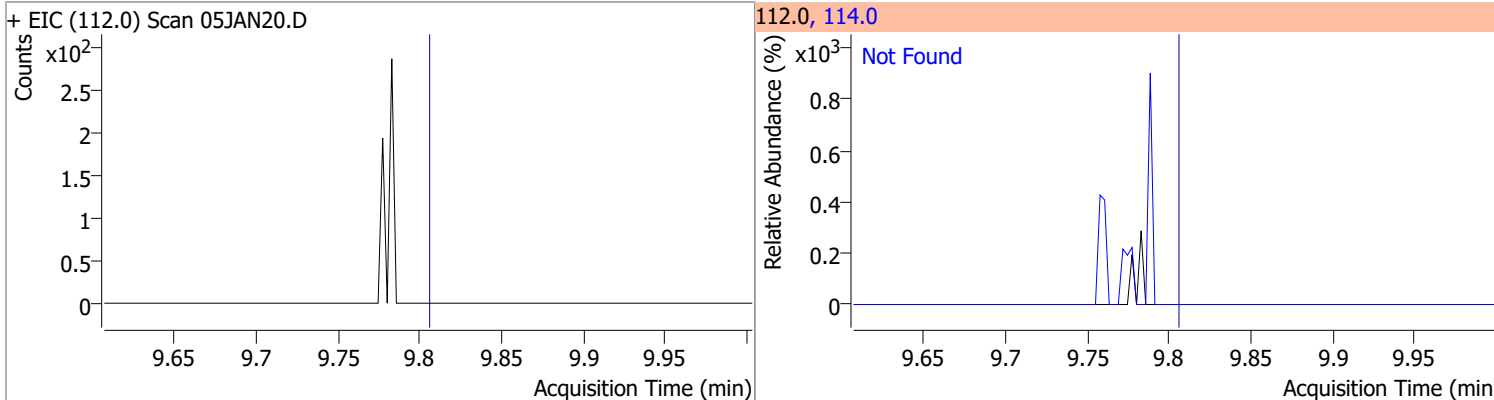


# Quantitation Results Report (QT Reviewed)

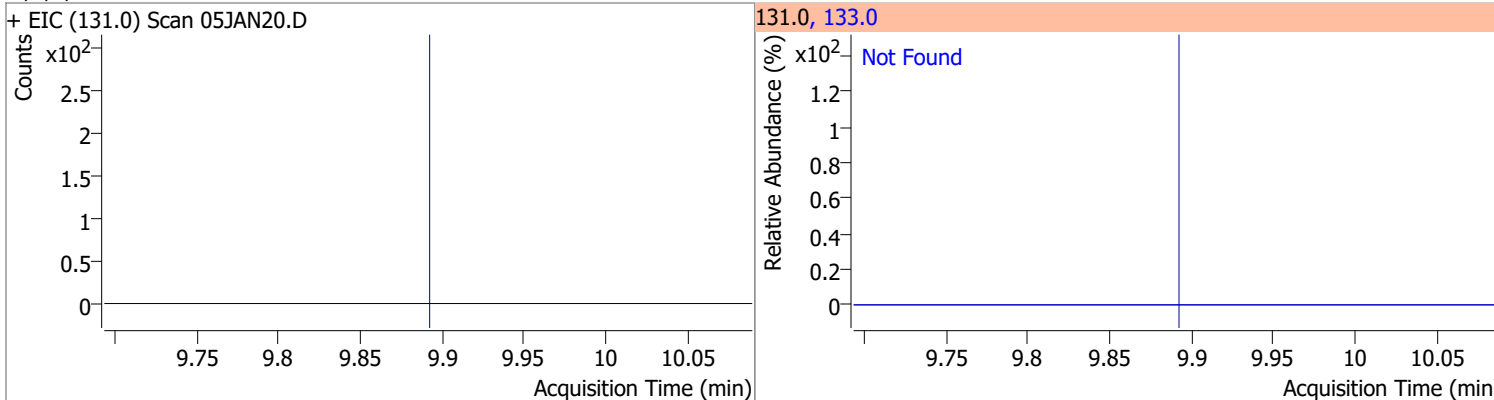
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Tetrachloroethene  | N.D.  | 8.94   | 165.8  | 128.6     | 129.0 | 91.5      |
| + EIC (163.8) Scan 05JAN20.D ***NO DATA POINTS***                                  |       |        | 163.8, 129.0, 165.8  |           |       |           |
|    |       |        |    |           |       |           |
| 1,3-Dichloropropane  | N.D.  | 8.98   | 78.0   | 32.9      |       |           |
| + EIC (76.0) Scan 05JAN20.D  |       |        | 76.0, 78.0   |           |       |           |
|   |       |        |   |           |       |           |
| Chlorodibromomethane   | N.D.  | 9.21   | 127.0  | 78.0      |       |           |
| + EIC (129.0) Scan 05JAN20.D   |       |        | 129.0, 127.0   |           |       |           |
|  |       |        |  |           |       |           |
| 1,2-Dibromoethane  | N.D.  | 9.31   | 109.0  | 94.5      |       |           |
| + EIC (107.0) Scan 05JAN20.D   |       |        | 107.0, 109.0   |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

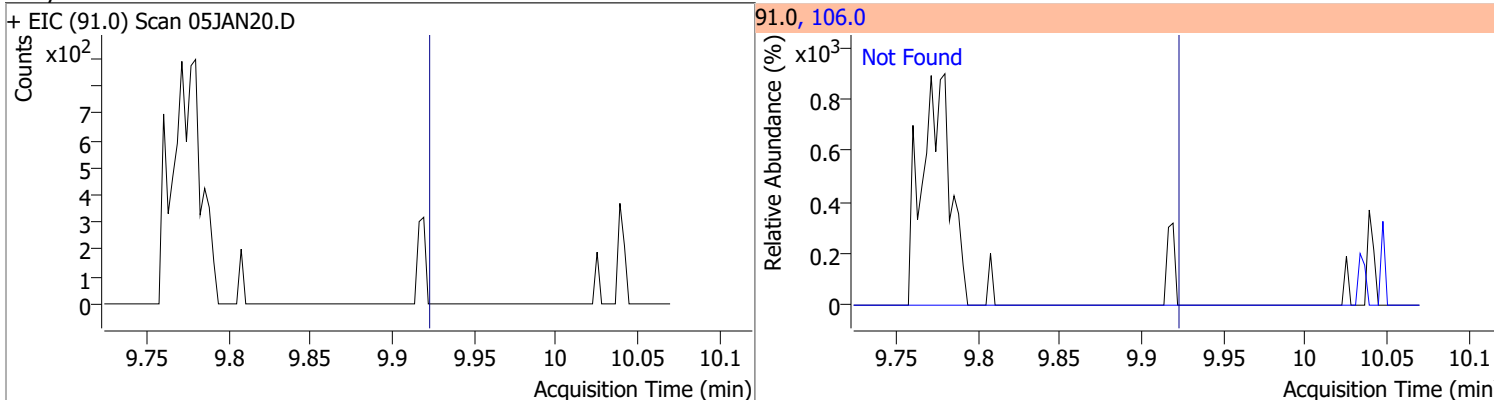
| Compound      | Conc. | Exp RT | QIon  | Exp Ratio |
|---------------|-------|--------|-------|-----------|
| Chlorobenzene | N.D.  | 9.80   | 114.0 | 32.1      |



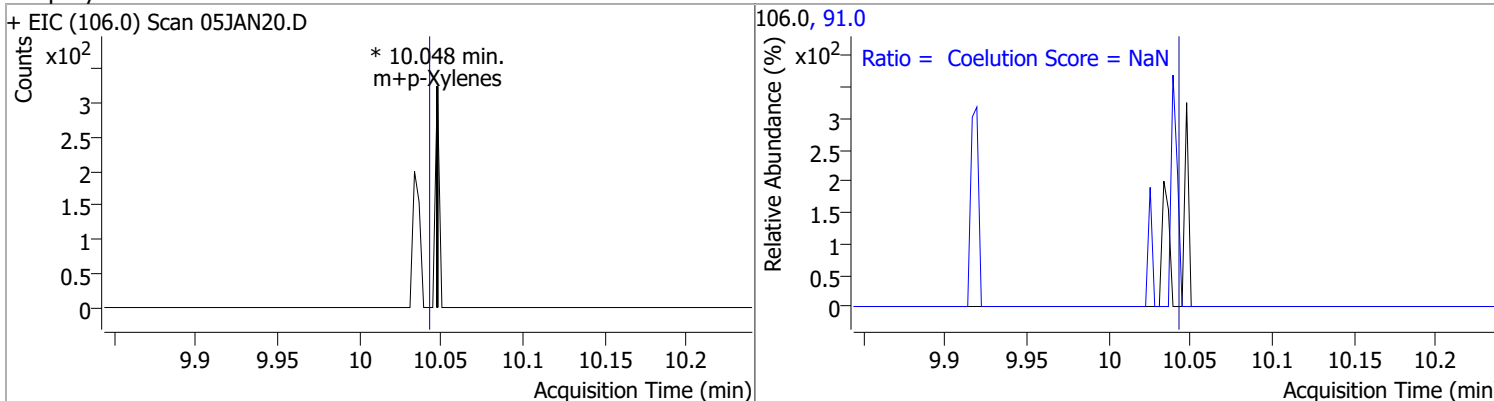
| Compound                  | Conc. | Exp RT | QIon  | Exp Ratio |
|---------------------------|-------|--------|-------|-----------|
| 1,1,1,2-Tetrachloroethane | N.D.  | 9.89   | 133.0 | 98.6      |



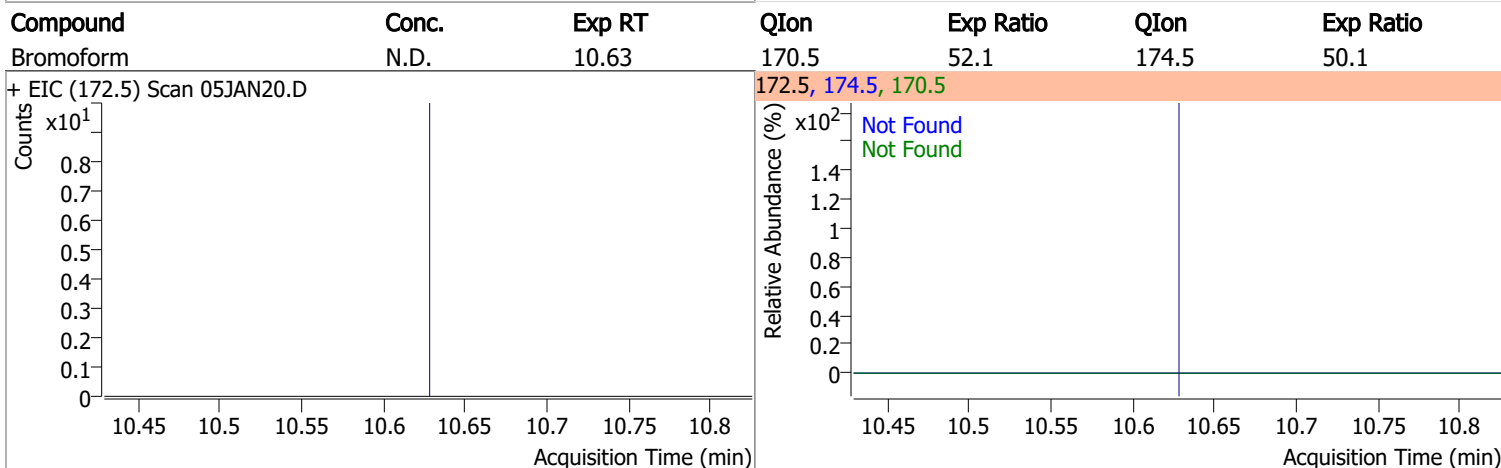
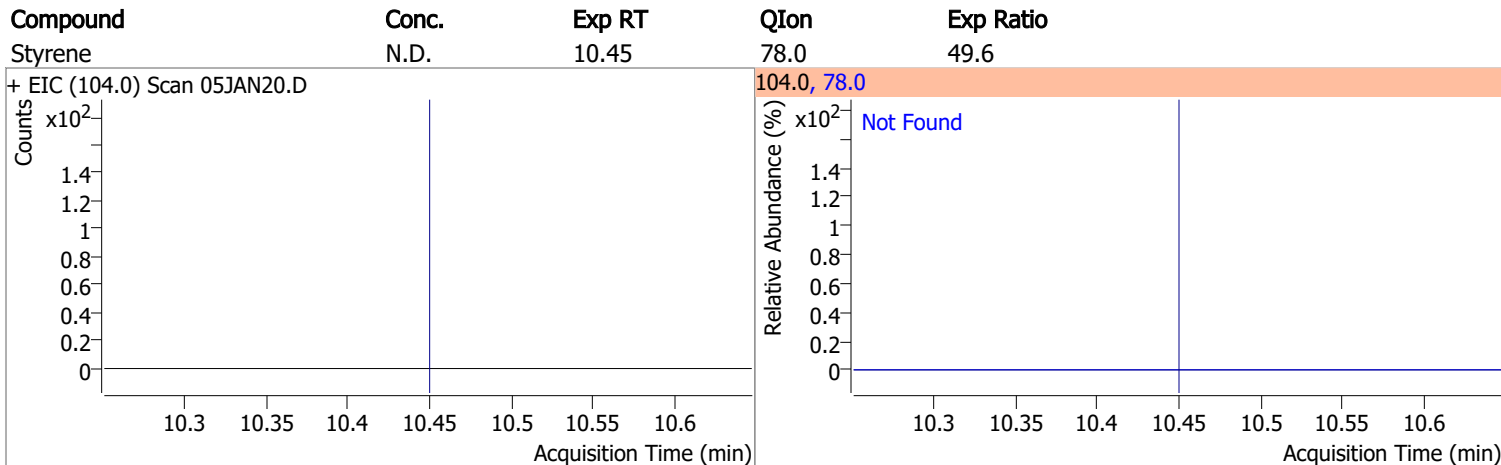
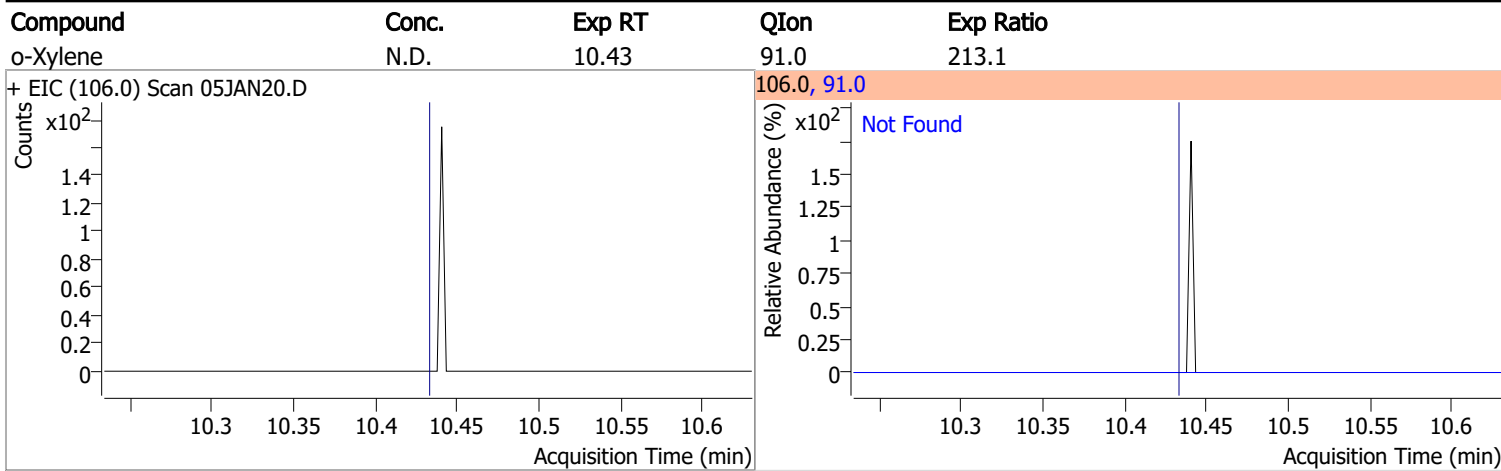
| Compound     | Conc. | Exp RT | QIon  | Exp Ratio |
|--------------|-------|--------|-------|-----------|
| Ethylbenzene | N.D.  | 9.92   | 106.0 | 31.1      |



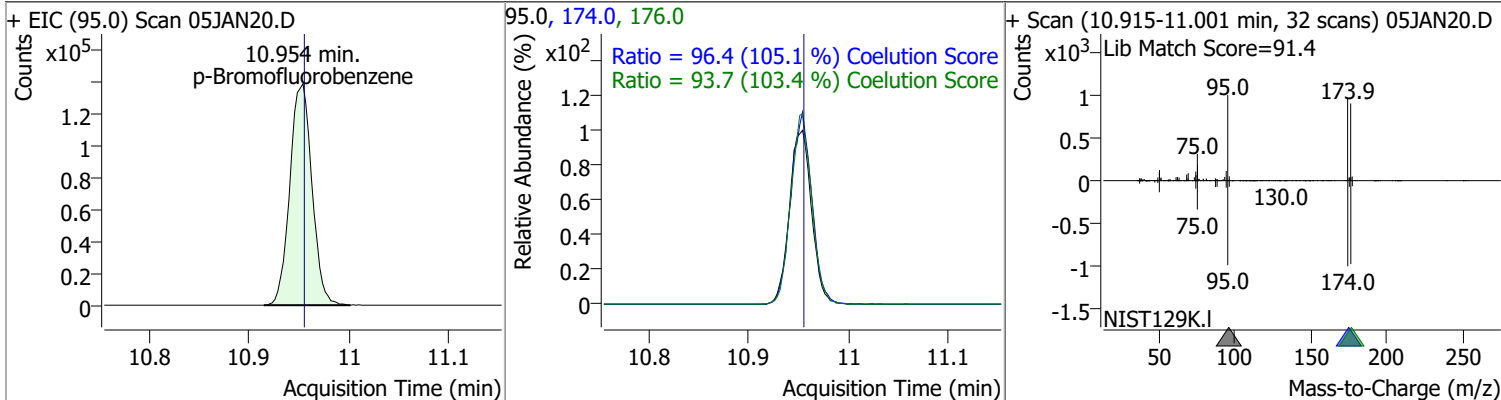
| Compound    | Conc. | RT | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-------------|-------|----|----------|-------|------|--------|-------|-------|
| m+p-Xylenes |       | 0  |          | 0     | 91.0 |        | 171.4 | 231.4 |



# Quantitation Results Report (QT Reviewed)

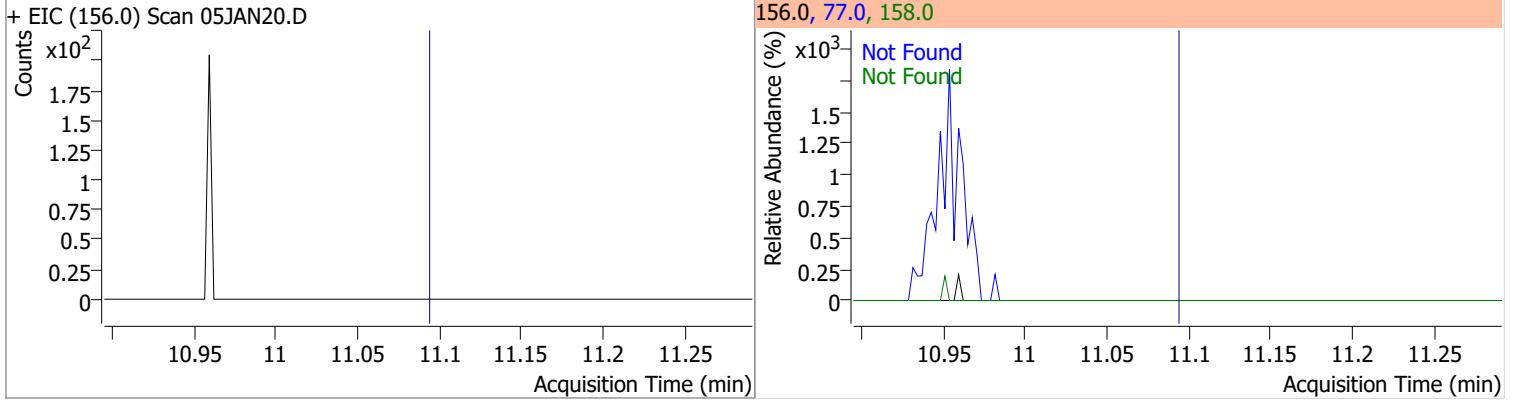


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 265.6160 | 10.95 | 0.00     | 212642 | 174.0 | 96.4   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 93.7   | 60.6  | 120.6 |

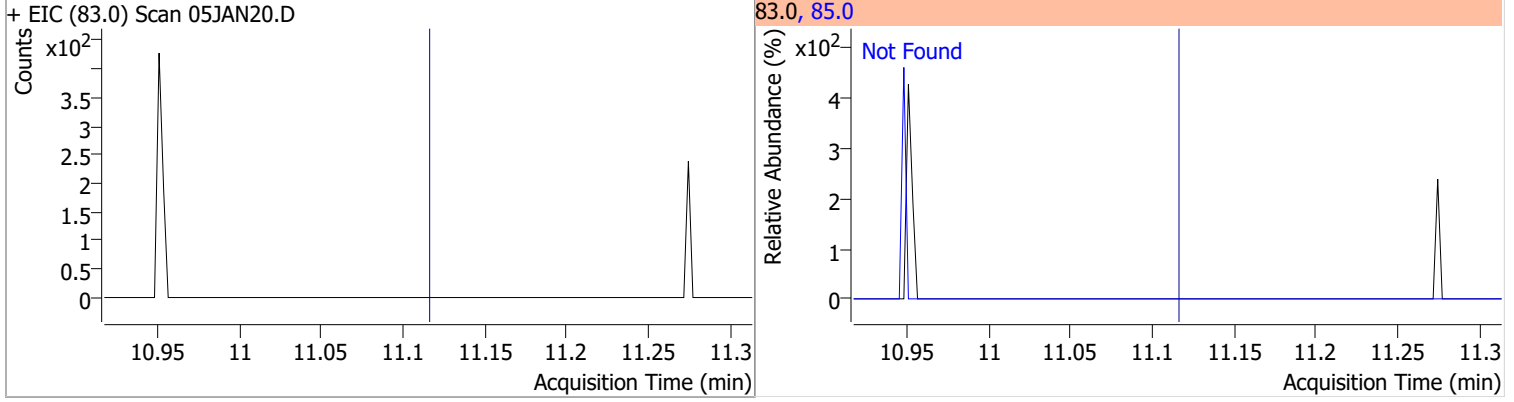


# Quantitation Results Report (QT Reviewed)

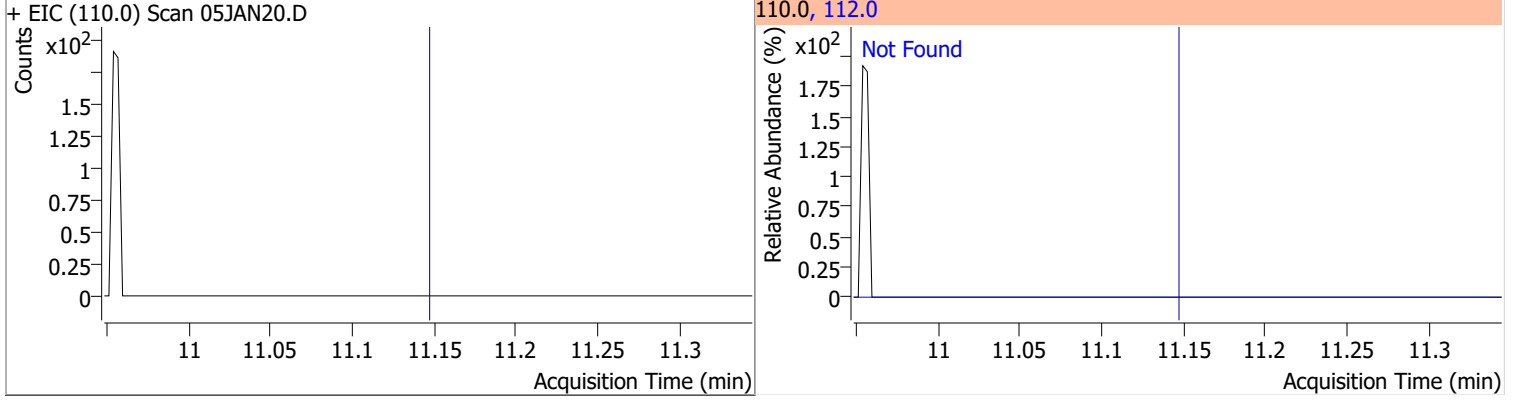
| Compound     | Conc. | Exp RT | QIon | Exp Ratio | QIon  | Exp Ratio |
|--------------|-------|--------|------|-----------|-------|-----------|
| Bromobenzene | N.D.  | 11.09  | 77.0 | 145.7     | 158.0 | 96.5      |



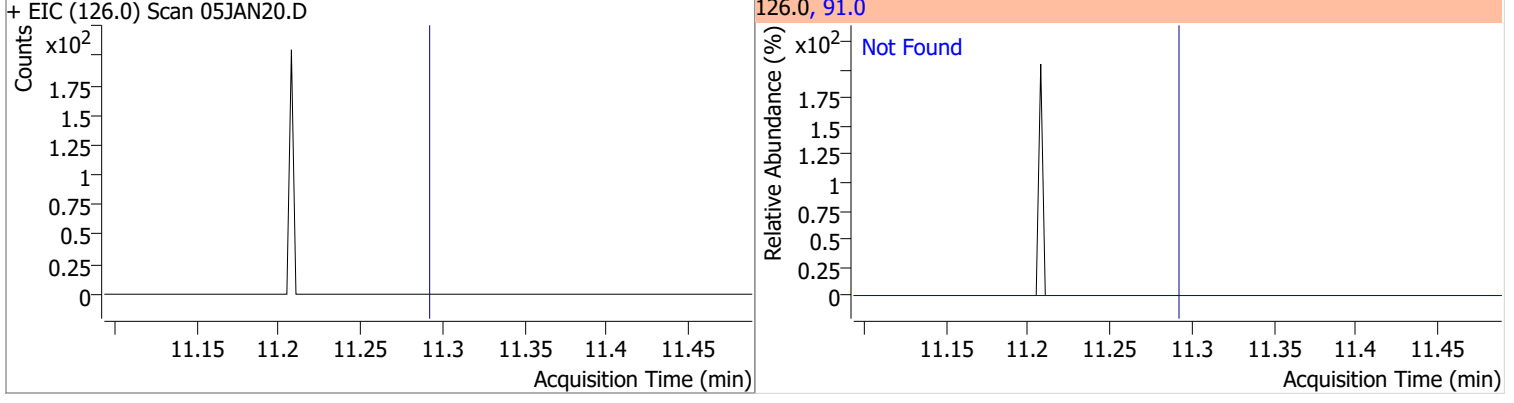
| Compound                  | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|
| 1,1,2,2-Tetrachloroethane | N.D.  | 11.12  | 85.0 | 66.2      |



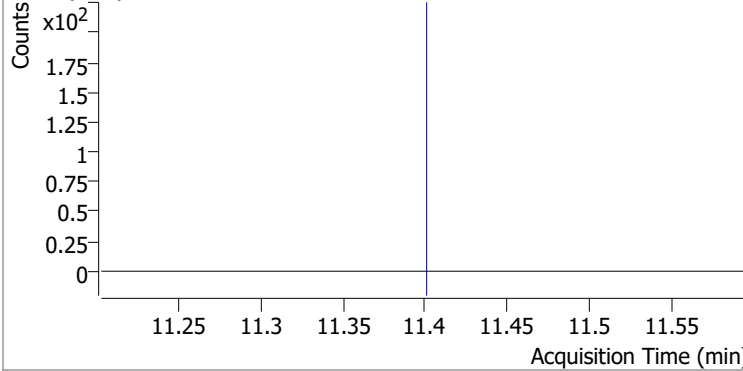
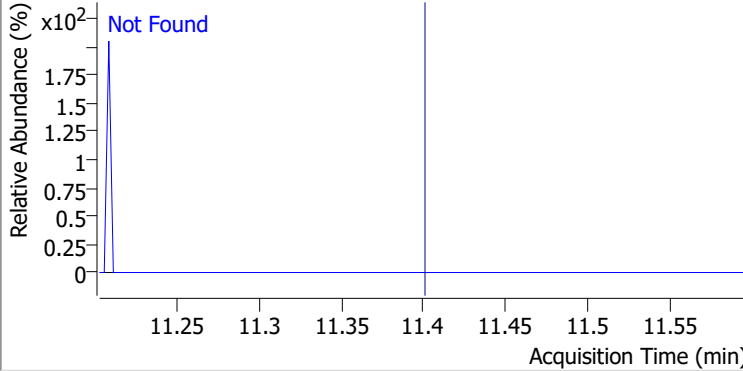
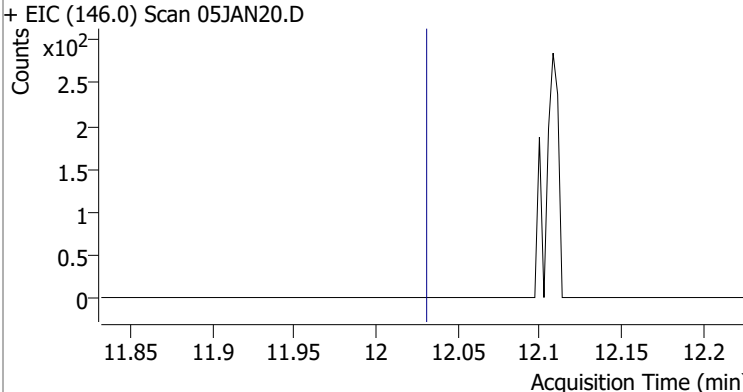
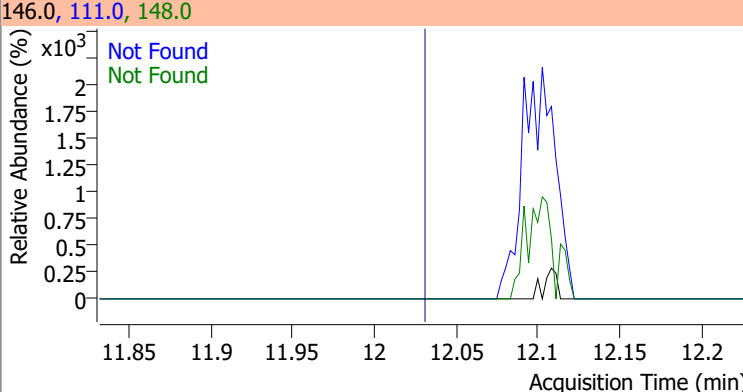
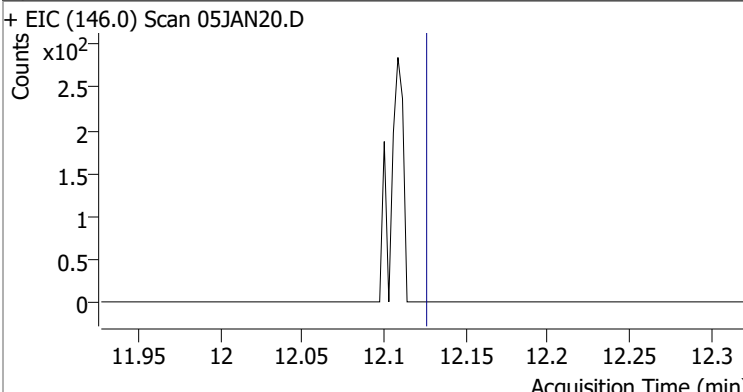
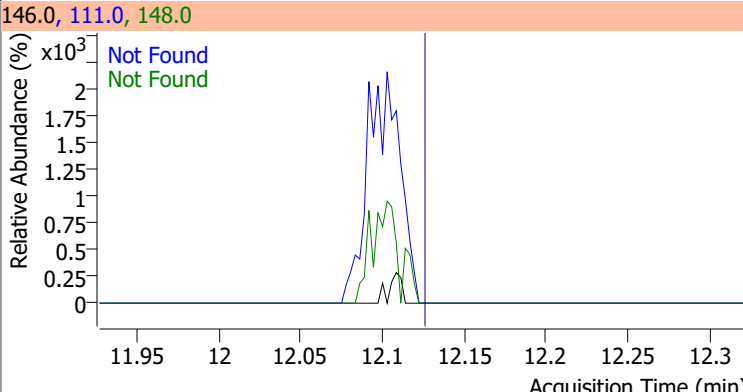
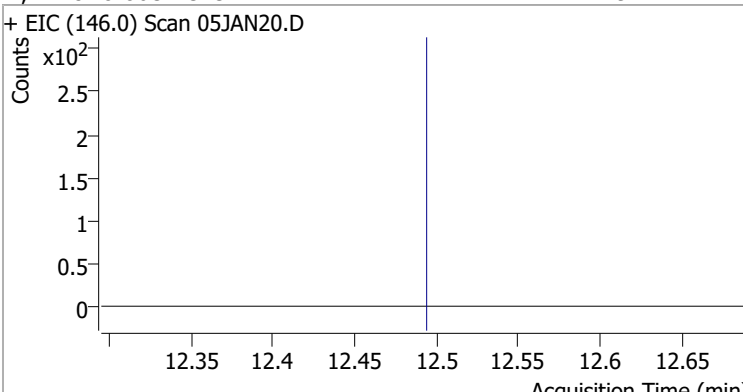
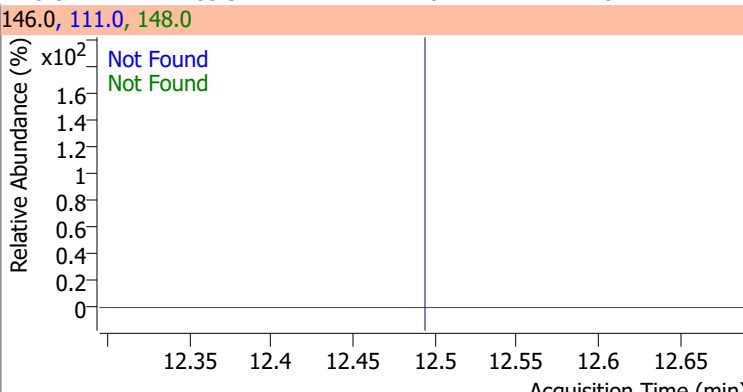
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| 1,2,3-Trichloropropane | N.D.  | 11.15  | 112.0 | 63.5      |



| Compound        | Conc. | Exp RT | QIon | Exp Ratio |
|-----------------|-------|--------|------|-----------|
| 2-Chlorotoluene | N.D.  | 11.29  | 91.0 | 282.3     |

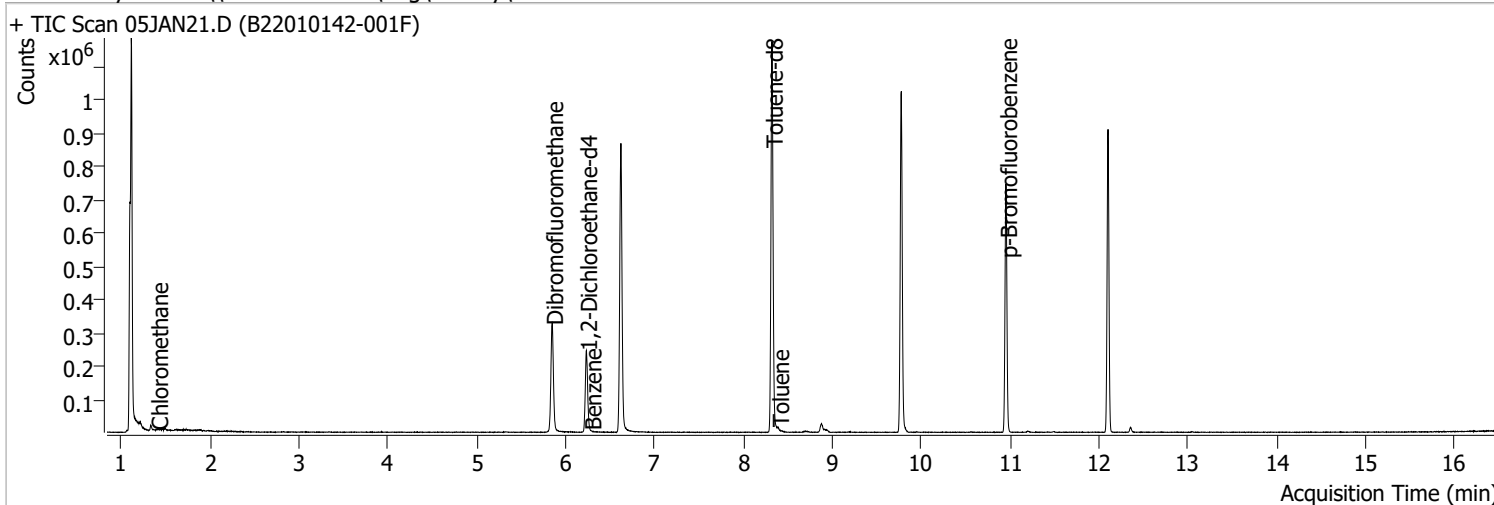


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN20.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN20.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN20.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN20.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN21.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 7:11:33 PM   |
| Sample Name    | B22010142-001F                      | Instrument        | VOA5975C              |
| Vial           | 21                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.l |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.621                | 96.0  | 727110 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774                | 82.0  | 284647 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 215573 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.845                | 113.0 | 193407 | 282.3413           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 112.94% |       |          |
| S 1,2-Dichloroethane-d4            | 6.230                | 67.0  | 87221  | 294.7895           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 117.92% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 729970 | 266.1207           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 106.45% |       |          |
| S p-Bromofluorobenzene             | 10.954               | 95.0  | 214122 | 271.1248           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 108.45% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.406                | 50.0  | 1801   | 1.5575             | ng    | m 87     |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 0.000                |       | 0      | N.D.               |       |          |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 0.000                |       | 0      | N.D.               |       |          |

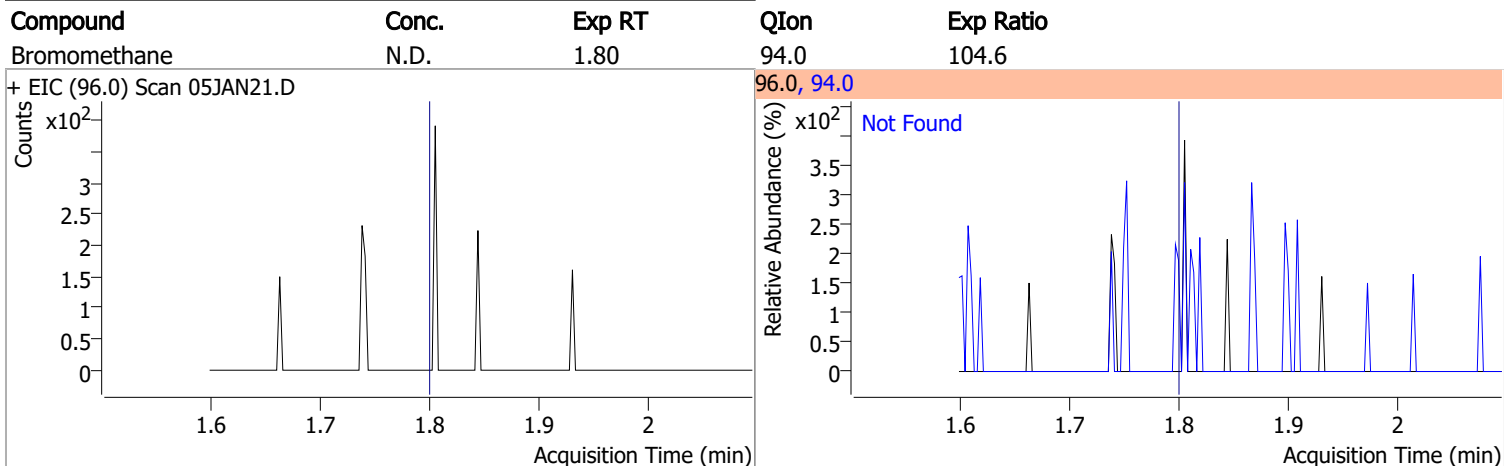
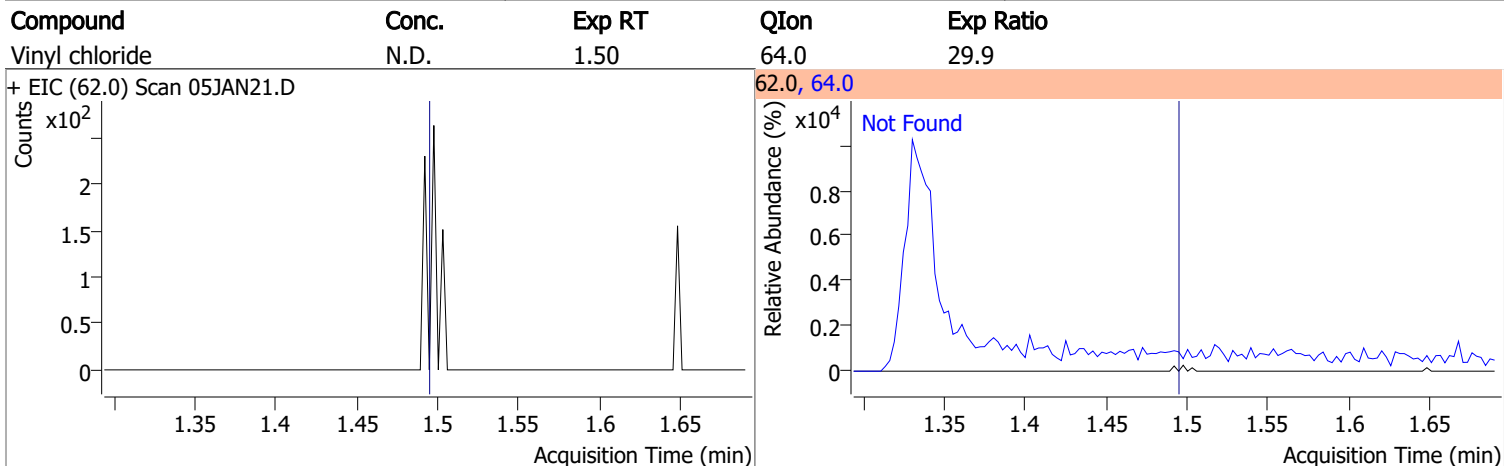
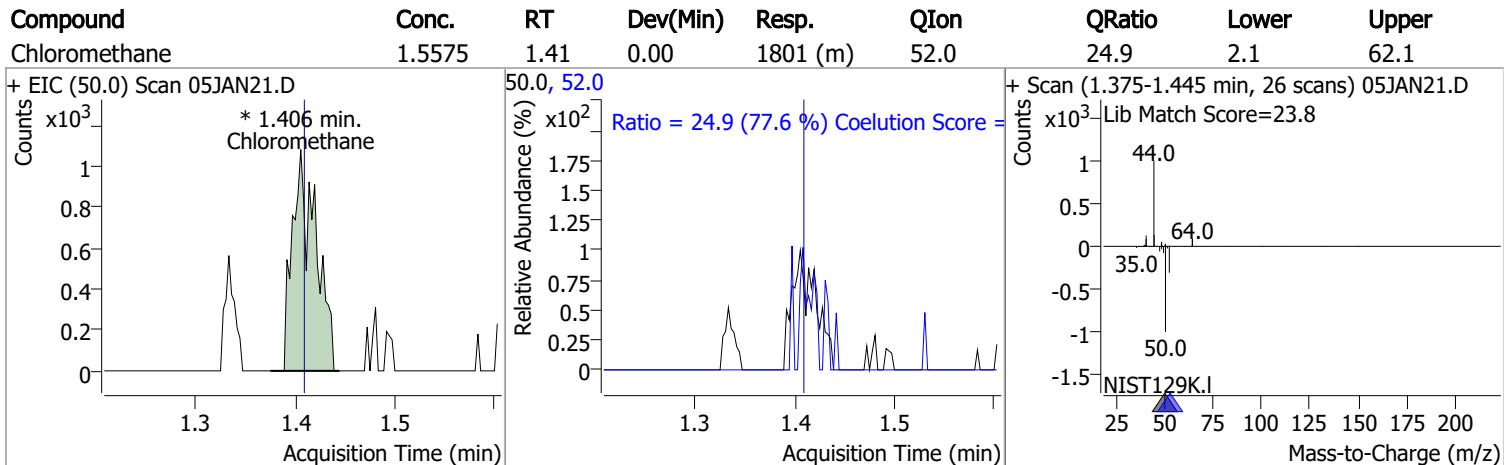
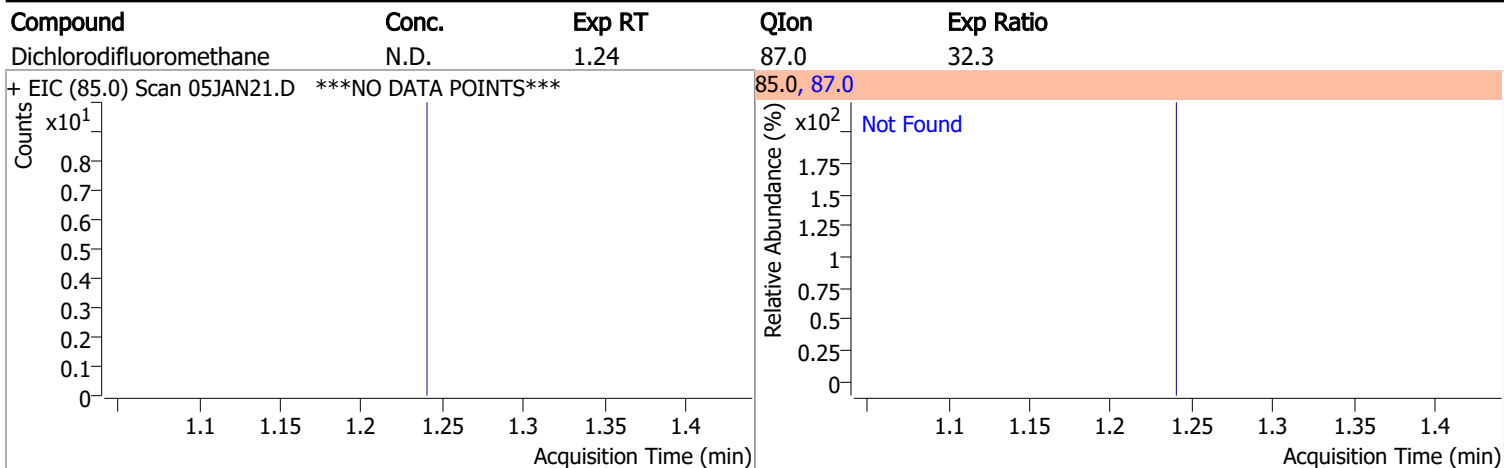


# Quantitation Results Report (QT Reviewed)

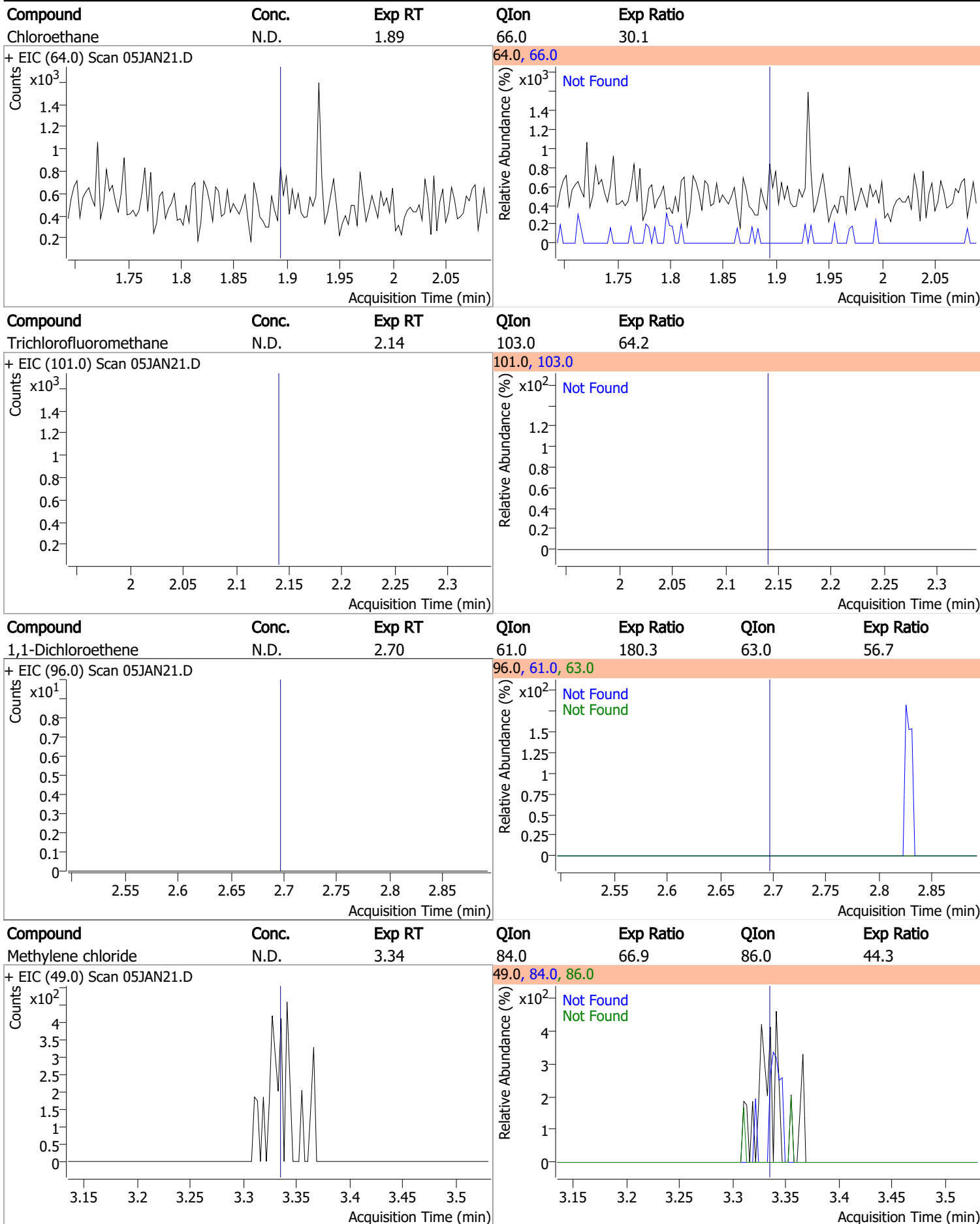
| Compound                    | RT    | QIon | Resp. | Conc.  | Units |   | Dev(Min) |
|-----------------------------|-------|------|-------|--------|-------|---|----------|
| T 1,1,1-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |   |          |
| T Carbon tetrachloride      | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1-Dichloropropene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Benzene                   | 6.278 | 78.0 | 280   | 0.0968 | ng    | m | 71       |
| T 1,2-Dichloroethane        | 0.000 |      | 0     | N.D.   |       |   |          |
| T Trichloroethene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Dibromomethane            | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromodichloromethane      | 0.000 |      | 0     | N.D.   |       |   |          |
| T cis-1,3-Dichloropropene   | 0.000 |      | 0     | N.D.   |       |   |          |
| T Toluene                   | 8.389 | 92.0 | 2211  | 1.1933 | ng    |   | 88       |
| T trans-1,3-Dichloropropene | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,2-Trichloroethane     | 0.000 |      | 0     | N.D.   |       |   |          |
| T Tetrachloroethene         | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,3-Dichloropropane       | 0.000 |      | 0     | N.D.   |       |   |          |
| T Chlorodibromomethane      | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dibromoethane         | 0.000 |      | 0     | N.D.   |       |   |          |
| T Chlorobenzene             | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |   |          |
| T Ethylbenzene              | 0.000 |      | 0     | N.D.   |       |   |          |
| T m+p-Xylenes               | 0.000 |      | 0     | N.D.   |       |   |          |
| T o-Xylene                  | 0.000 |      | 0     | N.D.   |       |   |          |
| T Styrene                   | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromoform                 | 0.000 |      | 0     | N.D.   |       |   |          |
| T Bromobenzene              | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2,3-Trichloropropane    | 0.000 |      | 0     | N.D.   |       |   |          |
| T 2-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 4-Chlorotoluene           | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,3-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,4-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |
| T 1,2-Dichlorobenzene       | 0.000 |      | 0     | N.D.   |       |   |          |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

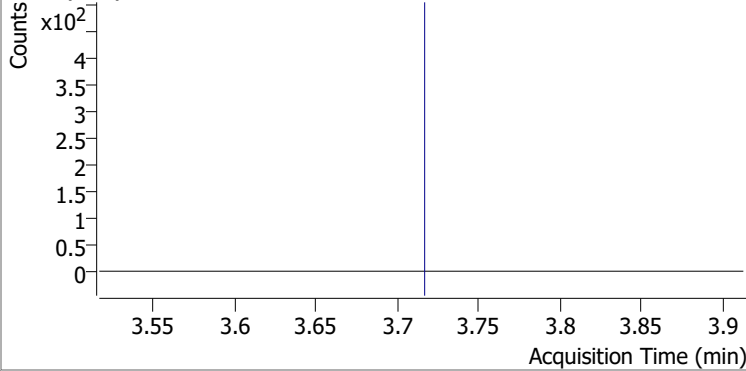
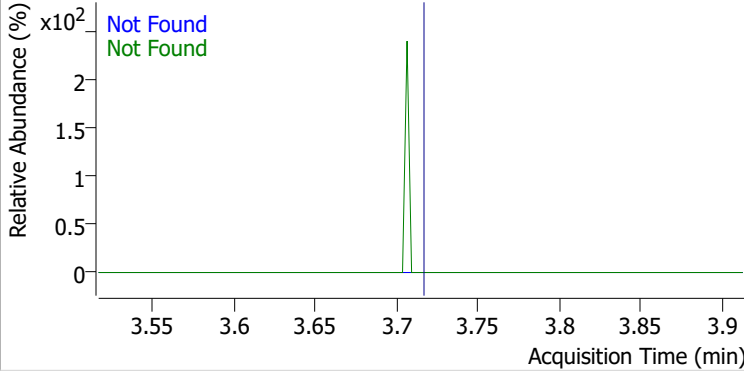
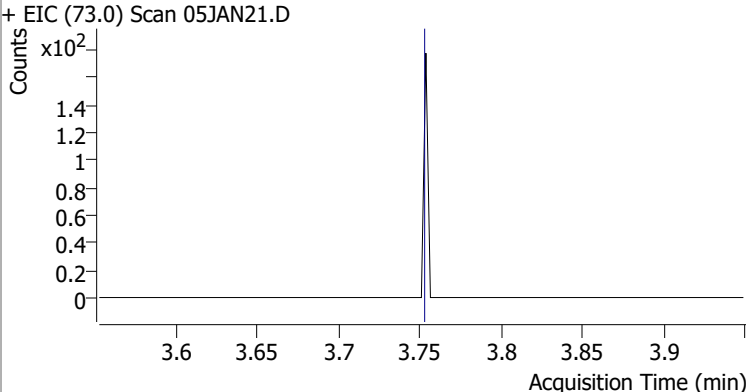
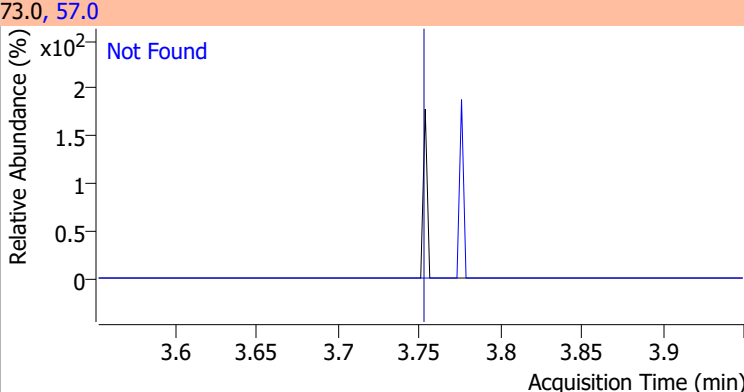
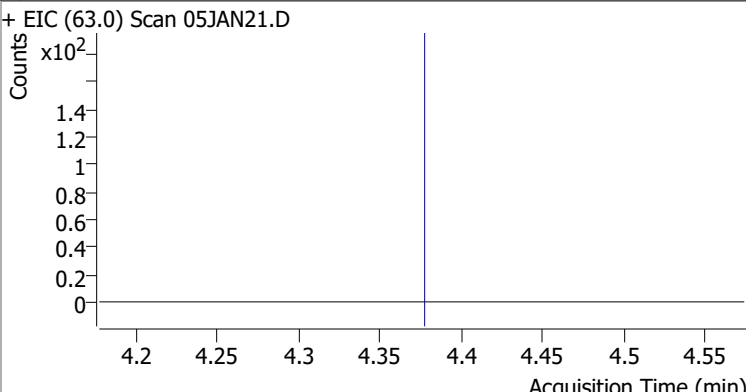
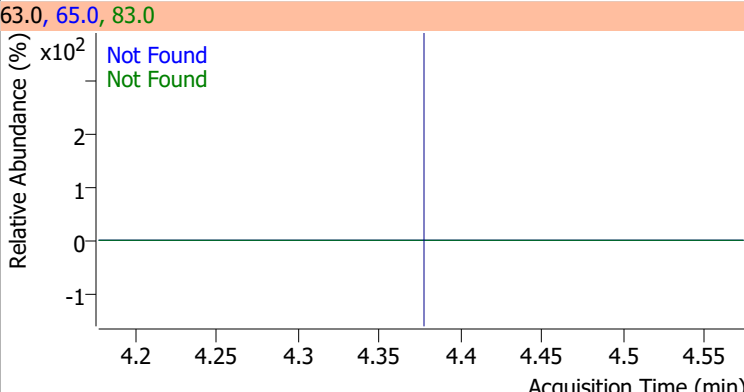
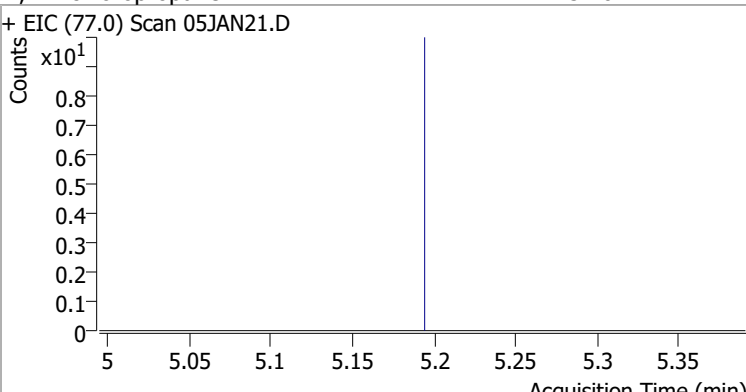
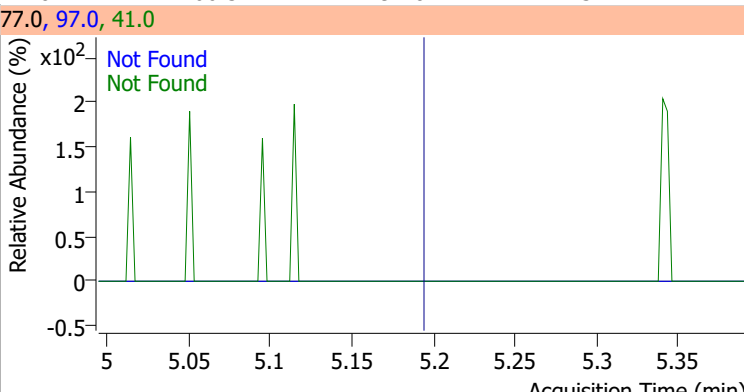
# Quantitation Results Report (QT Reviewed)



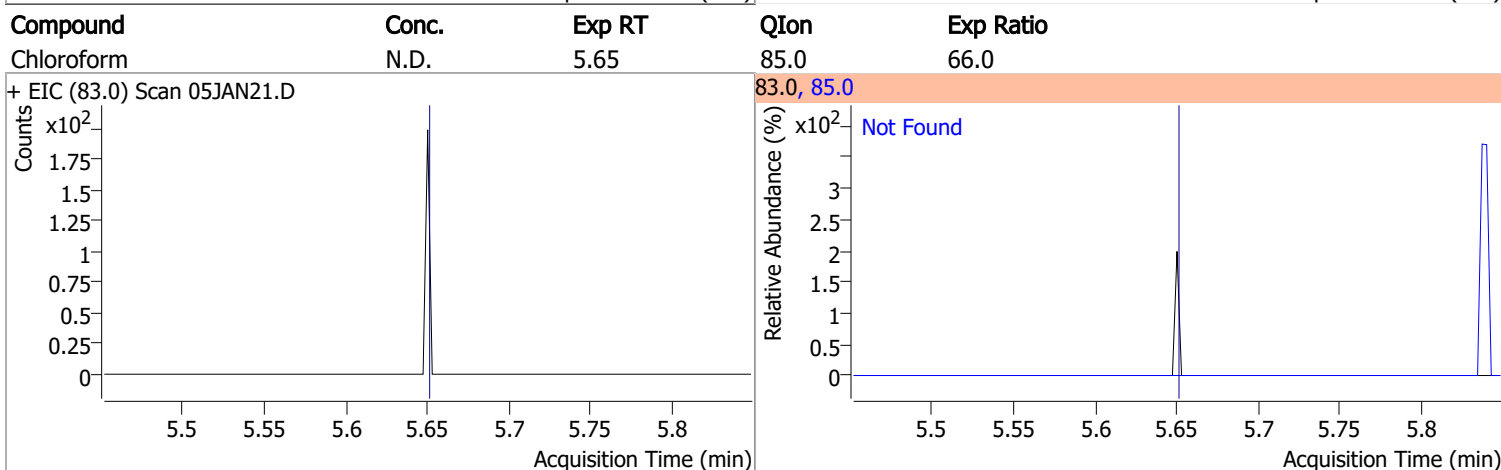
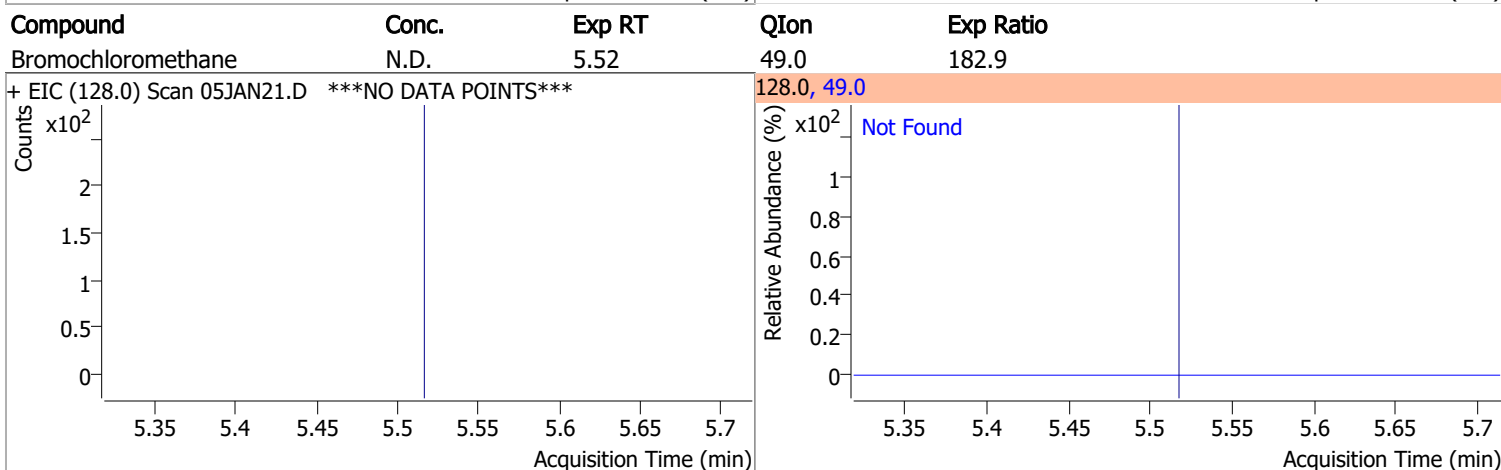
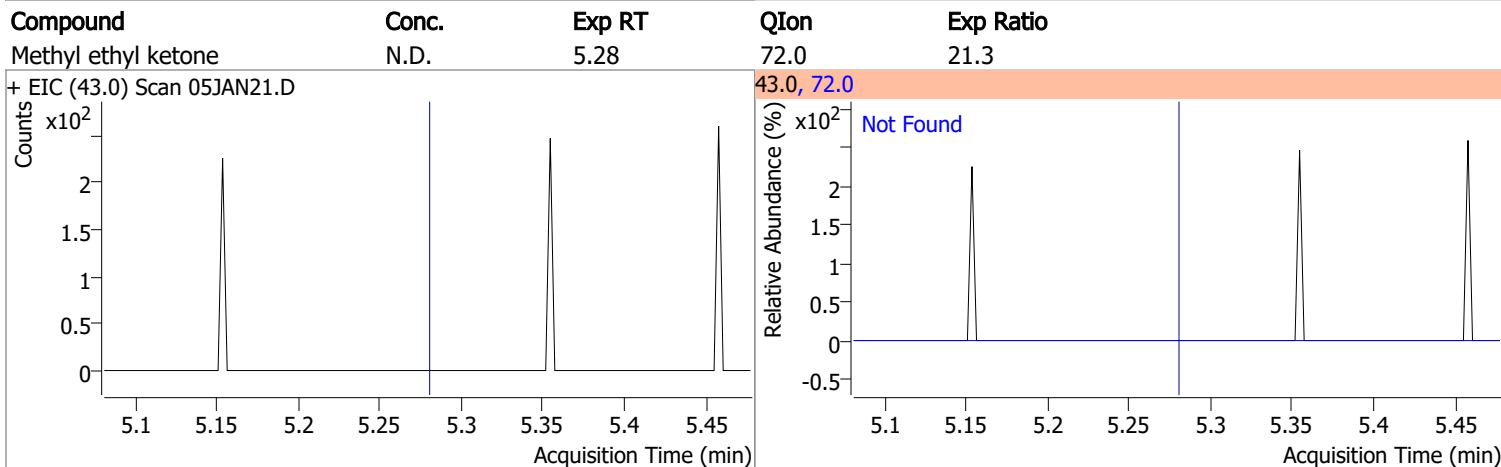
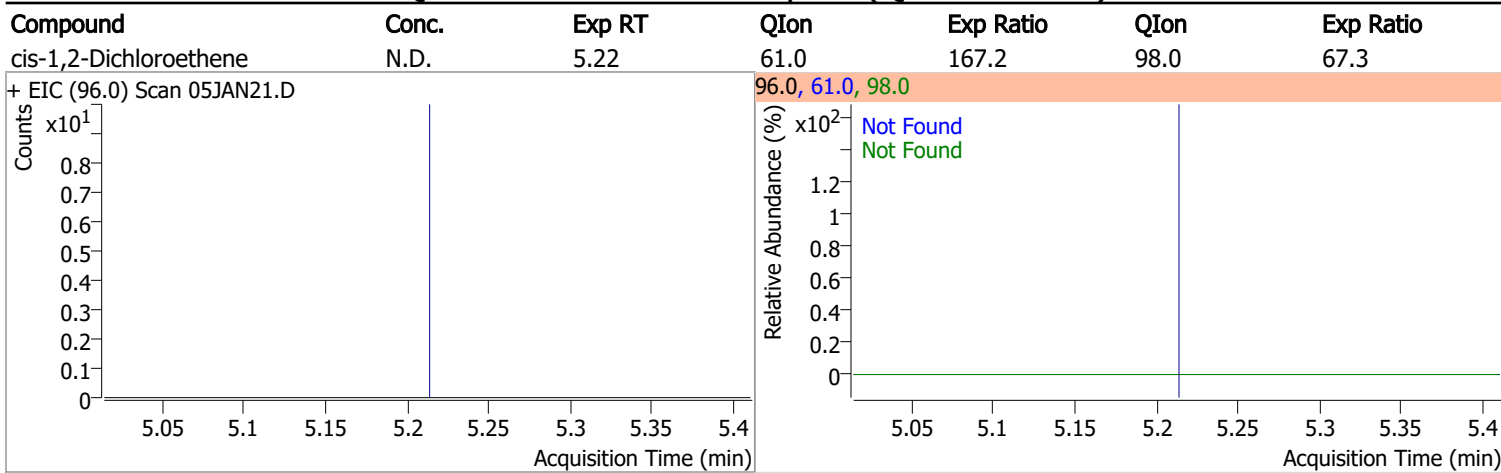
# Quantitation Results Report (QT Reviewed)



# Quantitation Results Report (QT Reviewed)

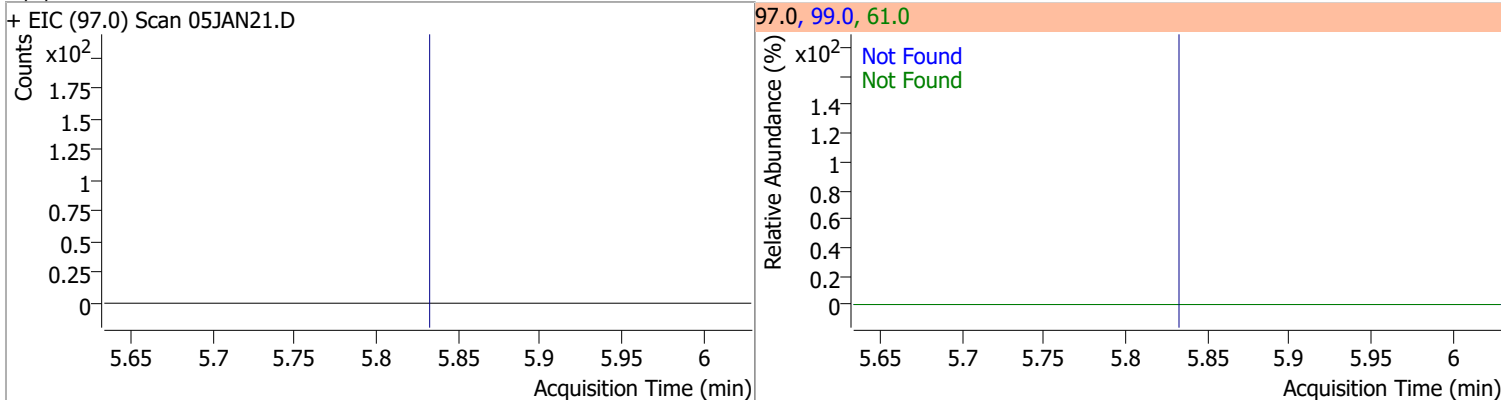
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon | Exp Ratio |
|--|-------|--------|--|-----------|------|-----------|
| trans-1,2-Dichloroethene   | N.D.  | 3.72   | 61.0   | 153.9     | 98.0 | 65.7      |
| + EIC (96.0) Scan 05JAN21.D  |       |        | 96.0, 61.0, 98.0   |           |      |           |
|    |       |        |    |           |      |           |
| Methyl tert-butyl ether (MTBE)   | N.D.  | 3.75   | 57.0   | 24.6      |      |           |
| + EIC (73.0) Scan 05JAN21.D  |       |        | 73.0, 57.0   |           |      |           |
|   |       |        |   |           |      |           |
| 1,1-Dichloroethane   | N.D.  | 4.38   | 65.0   | 32.1      | 83.0 | 13.7      |
| + EIC (63.0) Scan 05JAN21.D  |       |        | 63.0, 65.0, 83.0   |           |      |           |
|  |       |        |  |           |      |           |
| 2,2-Dichloropropane  | N.D.  | 5.20   | 41.0   | 66.5      | 97.0 | 23.2      |
| + EIC (77.0) Scan 05JAN21.D  |       |        | 77.0, 97.0, 41.0   |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

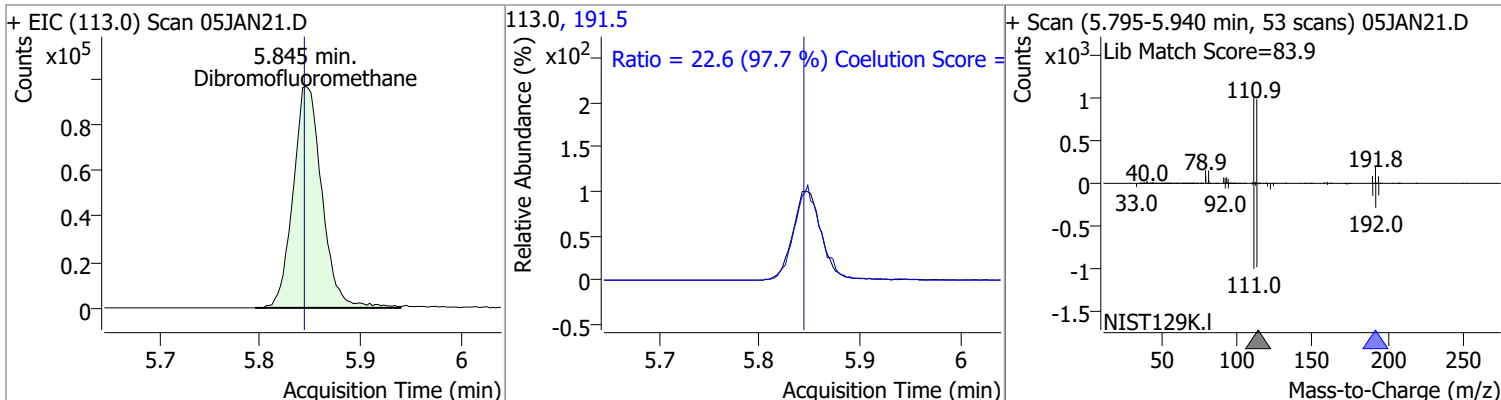


# Quantitation Results Report (QT Reviewed)

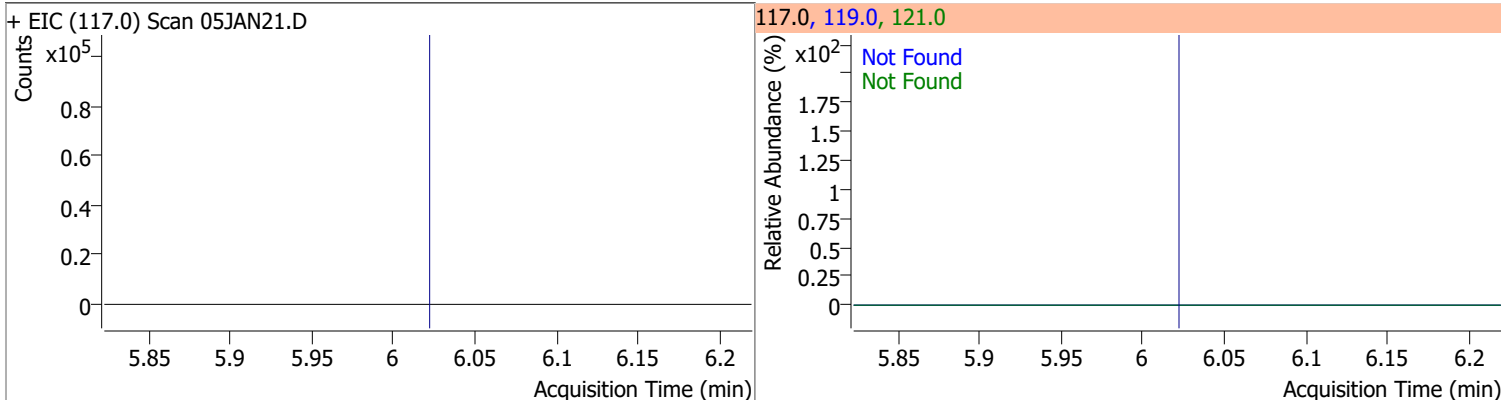
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,1-Trichloroethane | N.D.  | 5.83   | 99.0 | 64.7      | 61.0 | 48.1      |



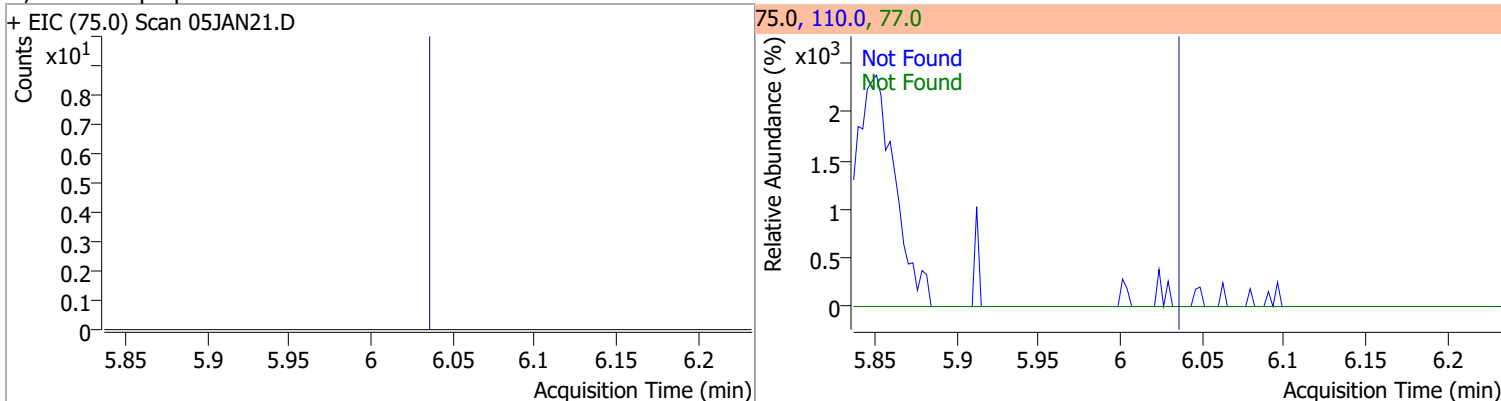
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromofluoromethane | 282.3413 | 5.85 | 0.00     | 193407 | 191.5 | 22.6   | 0.0   | 53.1  |



| Compound             | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|-------|-----------|
| Carbon tetrachloride | N.D.  | 6.02   | 119.0 | 97.2      | 121.0 | 30.1      |

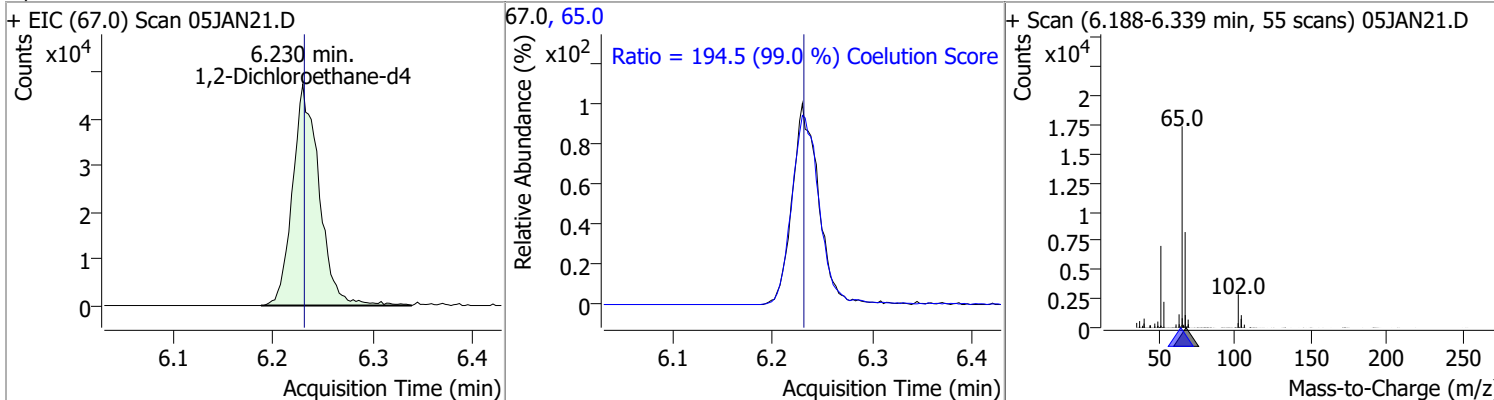


| Compound            | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|-------|-----------|------|-----------|
| 1,1-Dichloropropene | N.D.  | 6.04   | 110.0 | 35.9      | 77.0 | 30.1      |

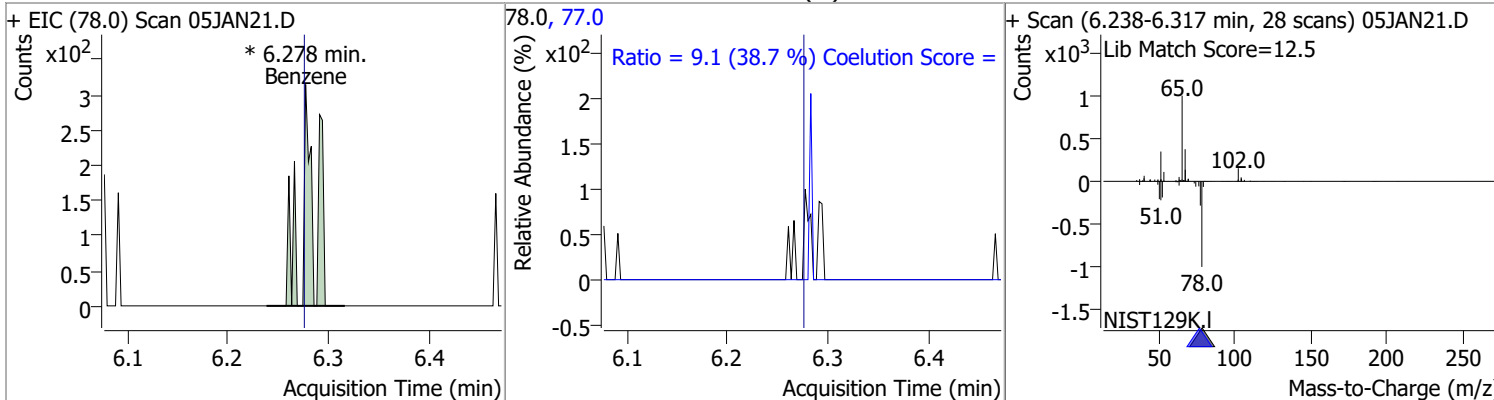


# Quantitation Results Report (QT Reviewed)

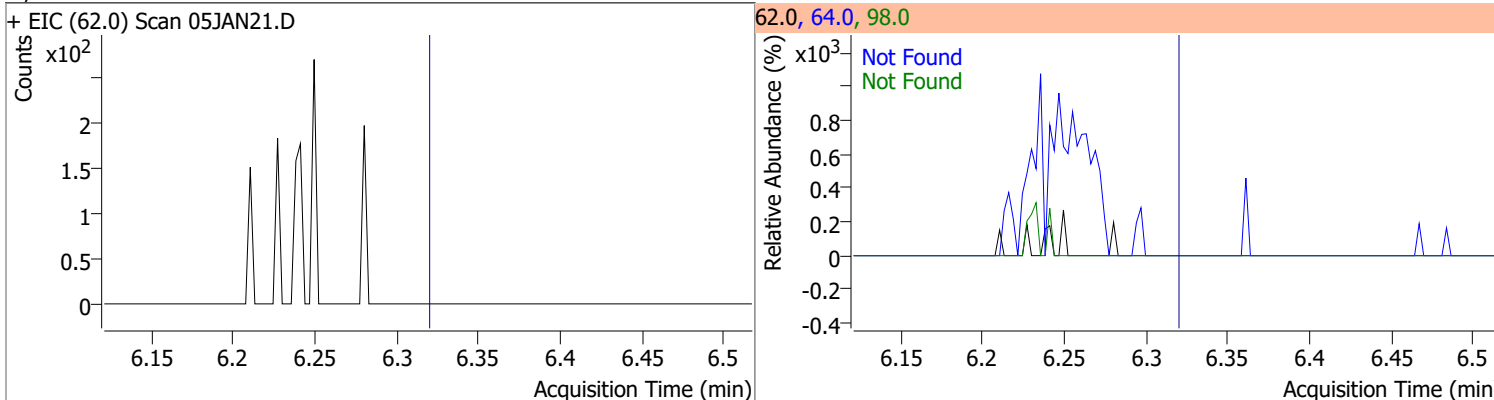
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 294.7895 | 6.23 | 0.00     | 87221 | 65.0 | 194.5  | 166.5 | 226.5 |



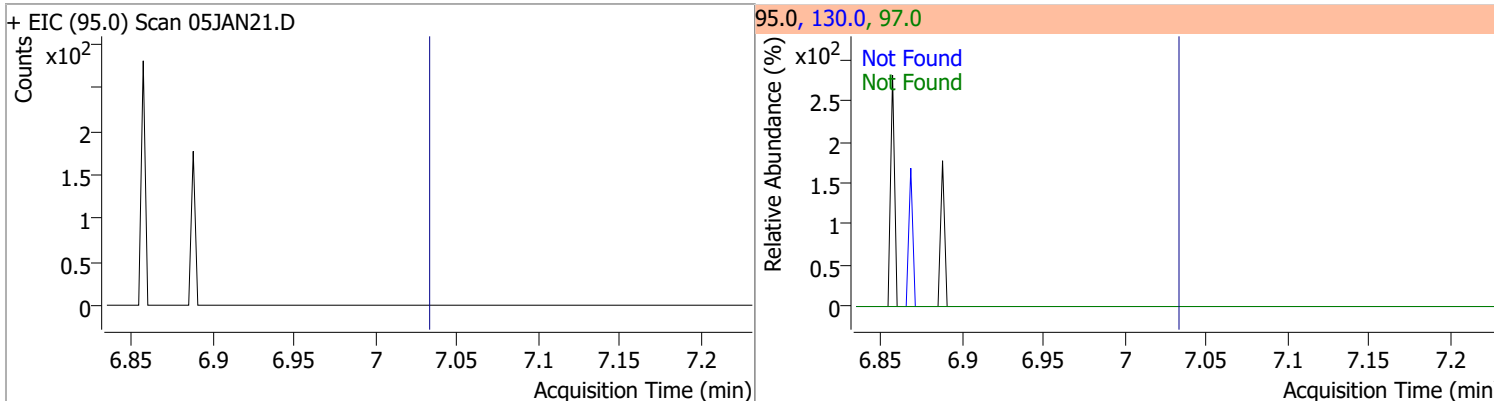
| Compound | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|---------|------|--------|-------|-------|
| Benzene  | 0.0968 | 6.28 | 0.00     | 280 (m) | 77.0 | 9.1    | 0.0   | 53.5  |



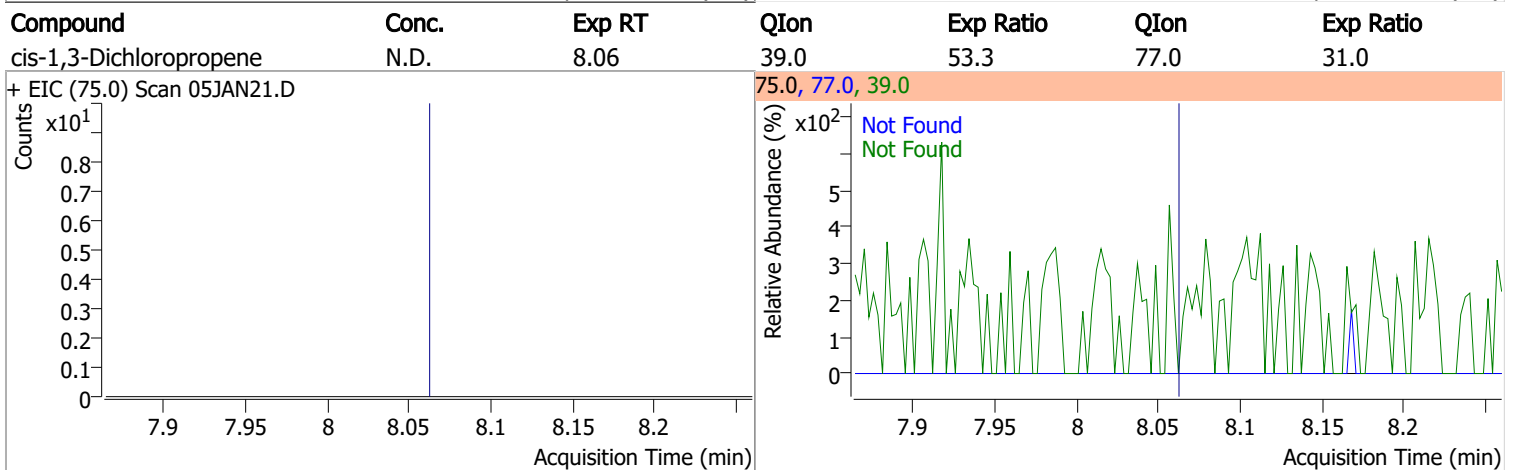
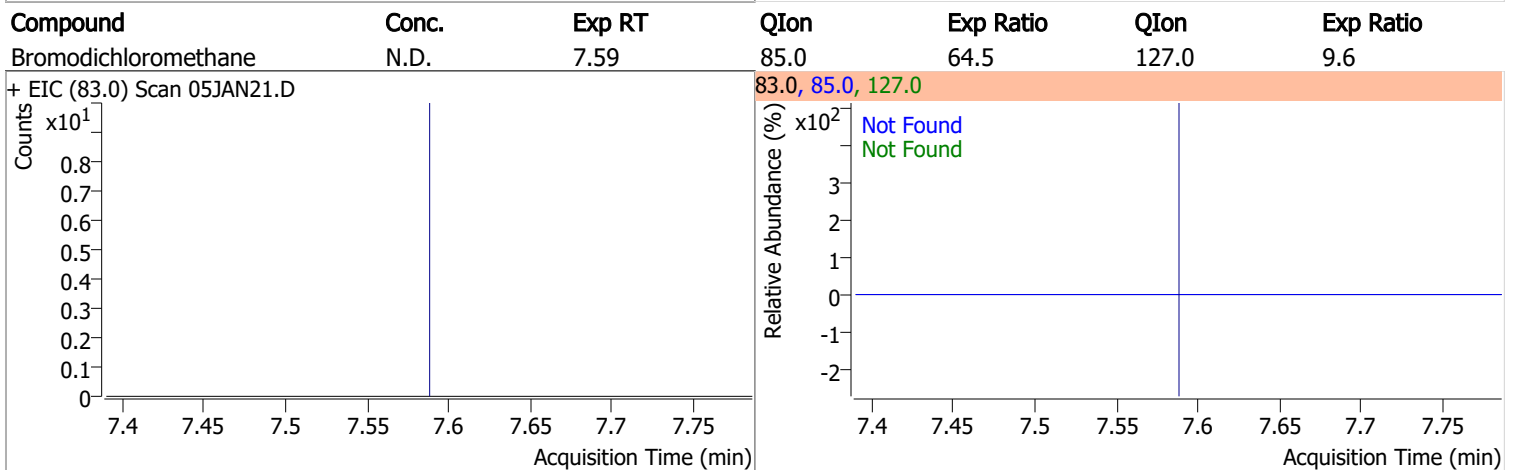
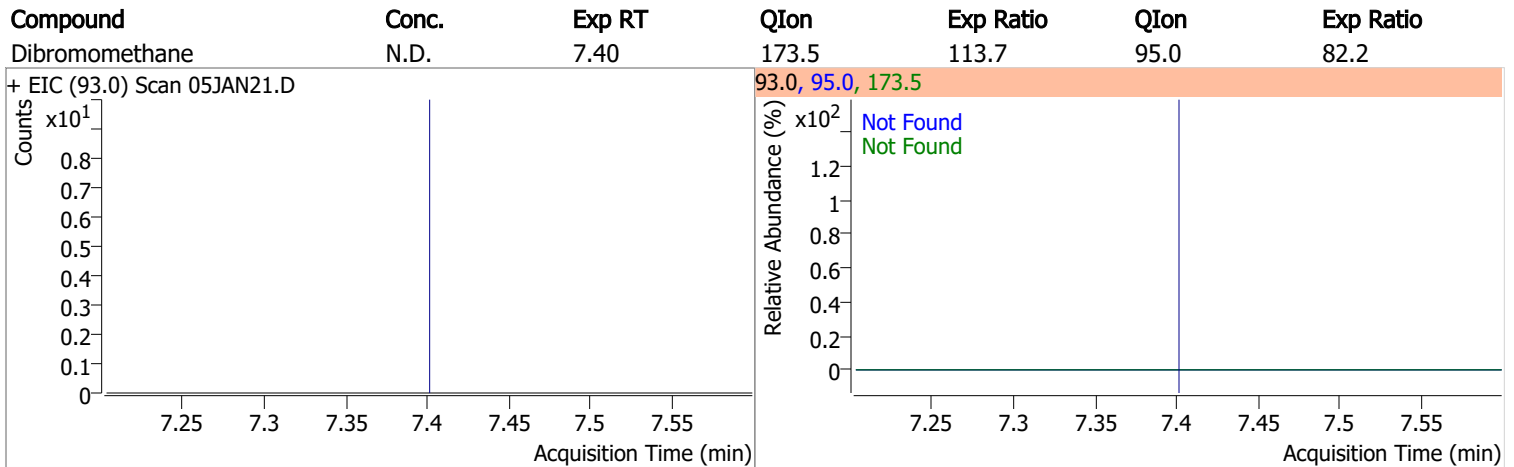
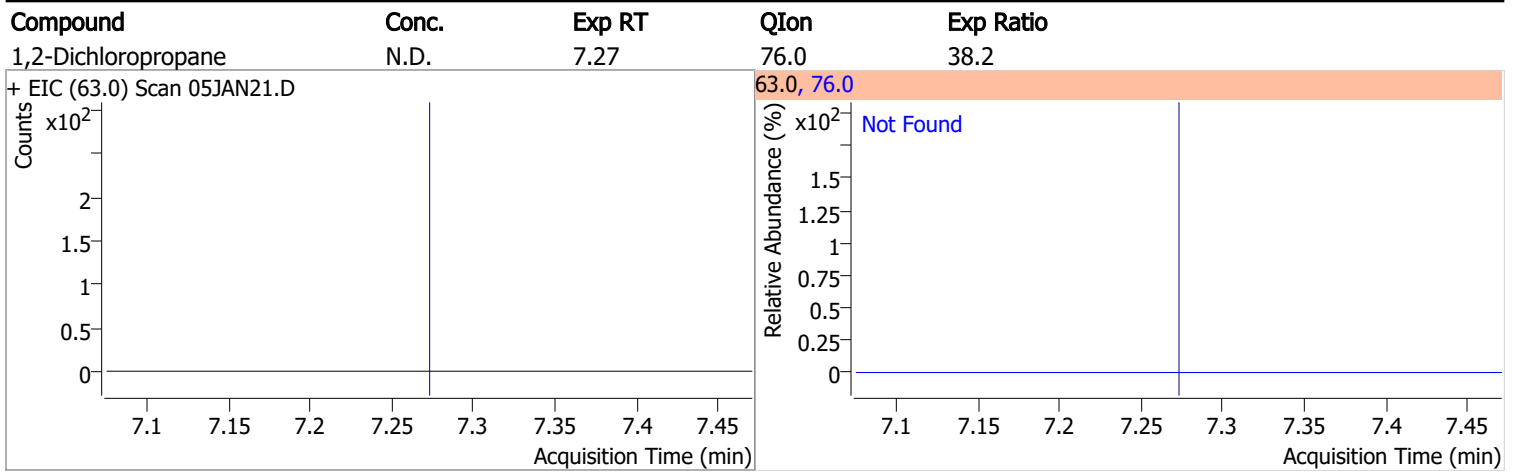
| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,2-Dichloroethane | N.D.  | 6.32   | 64.0 | 29.9      | 98.0 | 7.6       |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |



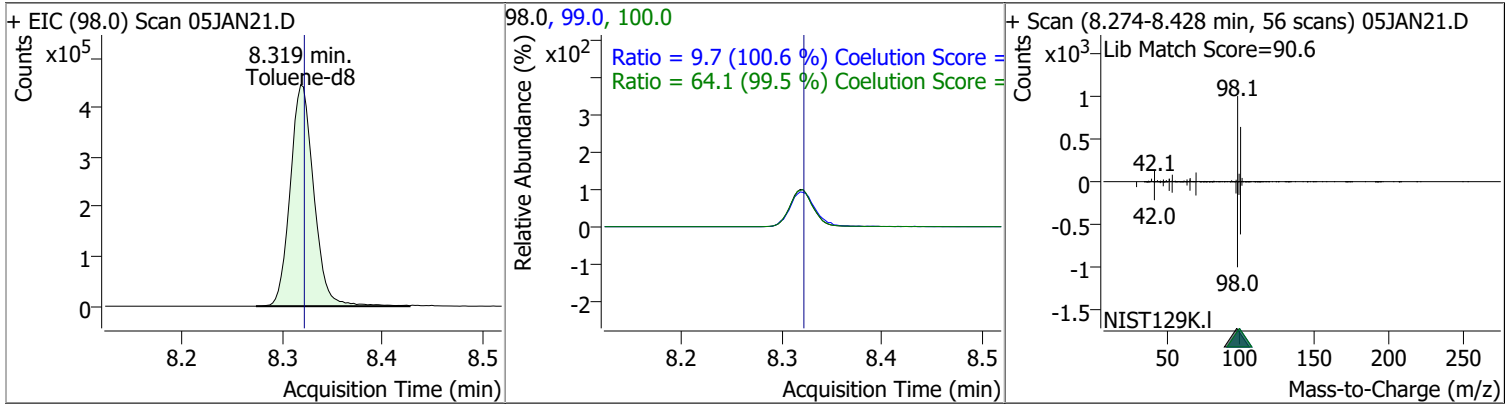
# Quantitation Results Report (QT Reviewed)



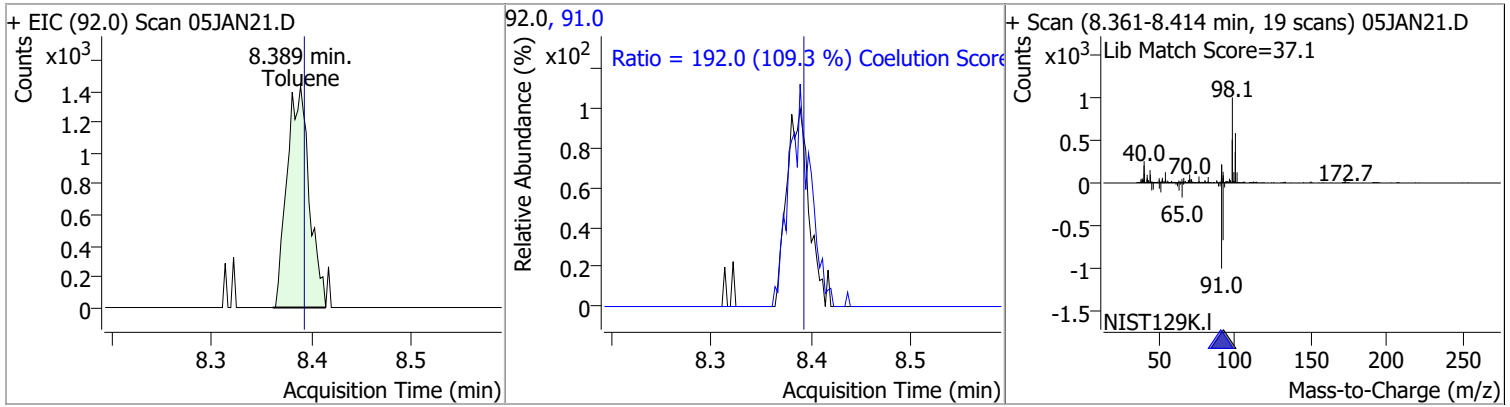


# Quantitation Results Report (QT Reviewed)

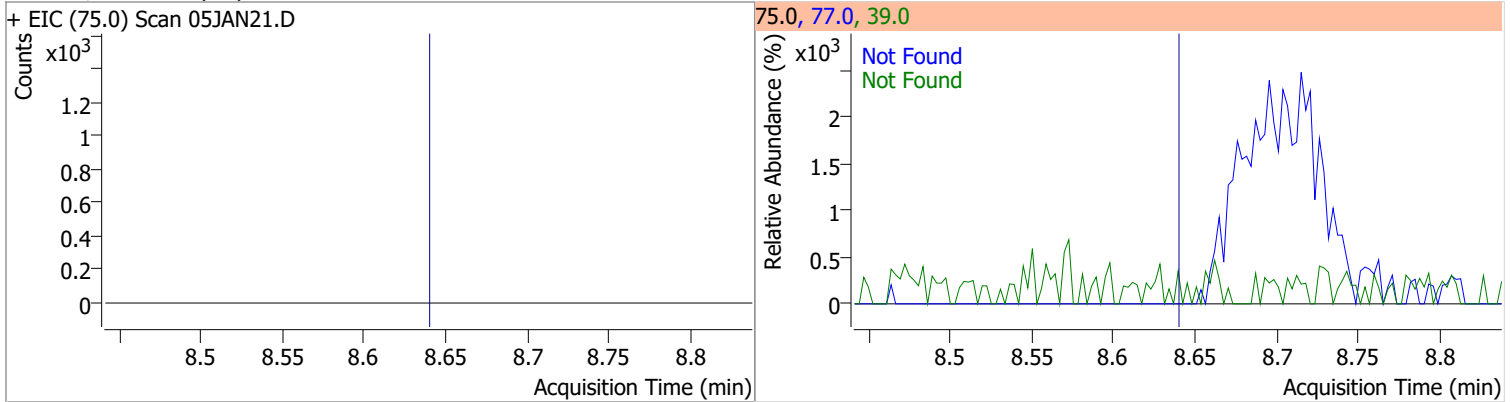
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 266.1207 | 8.32 | 0.00     | 729970 | 100.0 | 64.1   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.7    | 0.0   | 39.6  |



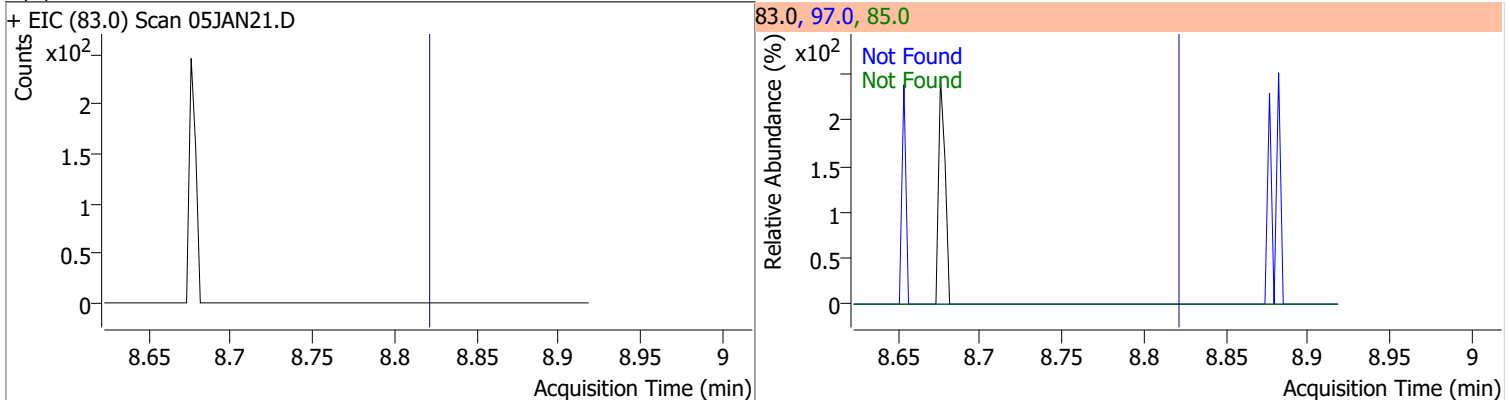
| Compound | Conc.  | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|-------|------|--------|-------|-------|
| Toluene  | 1.1933 | 8.39 | 0.00     | 2211  | 91.0 | 192.0  | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |

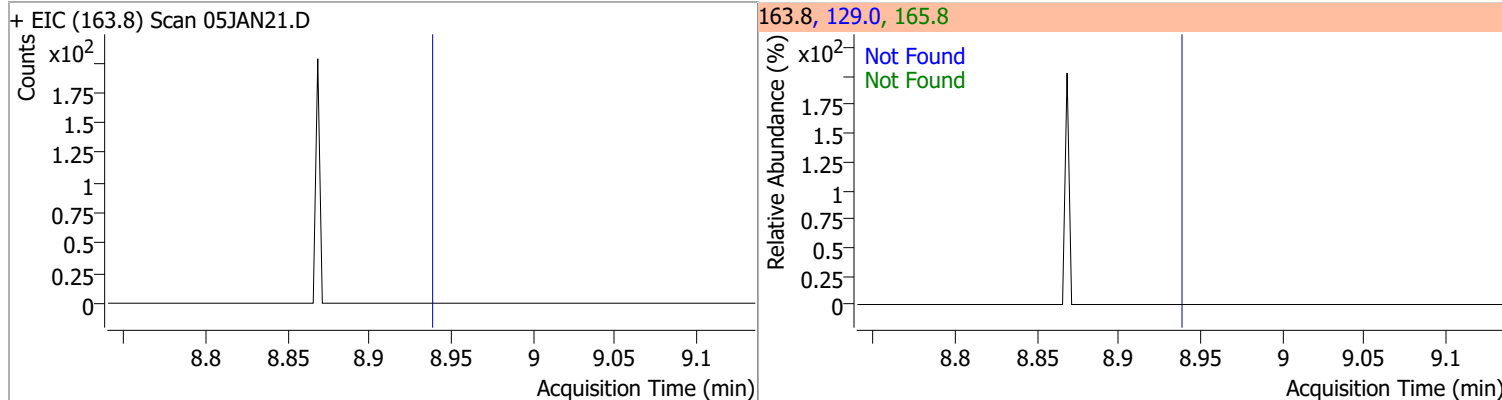


| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |

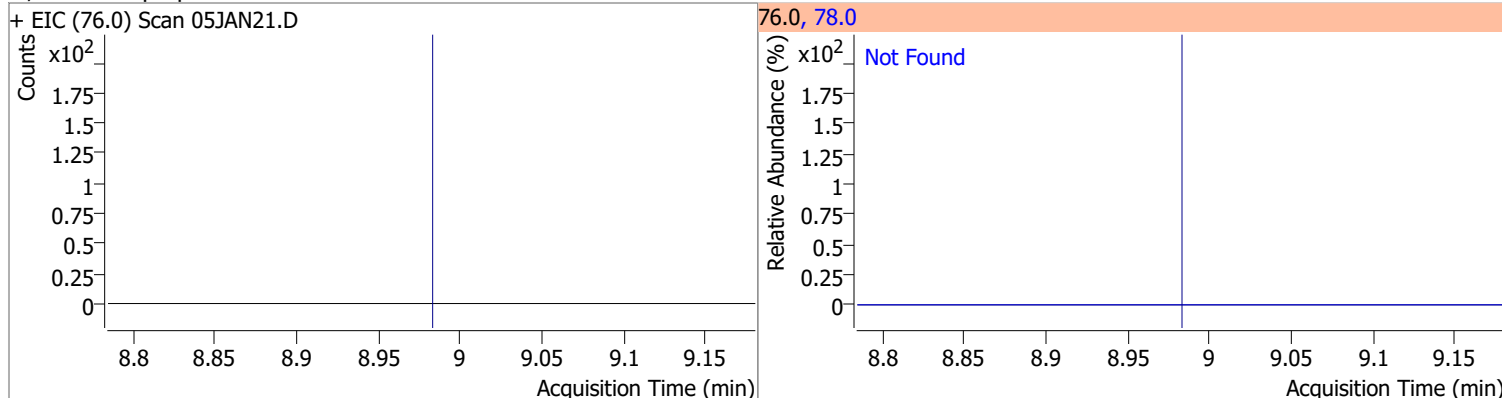


# Quantitation Results Report (QT Reviewed)

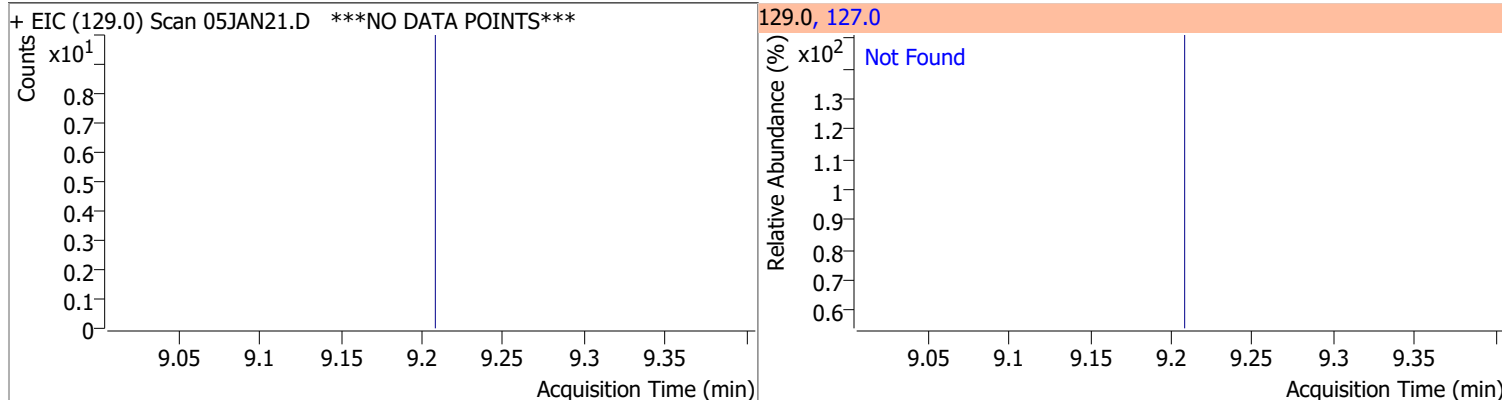
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



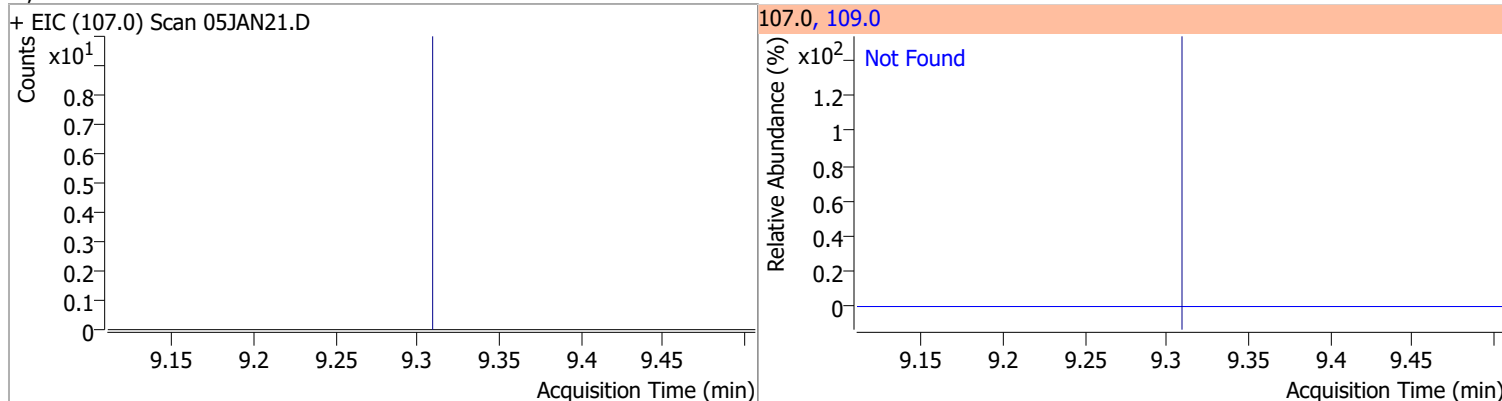
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



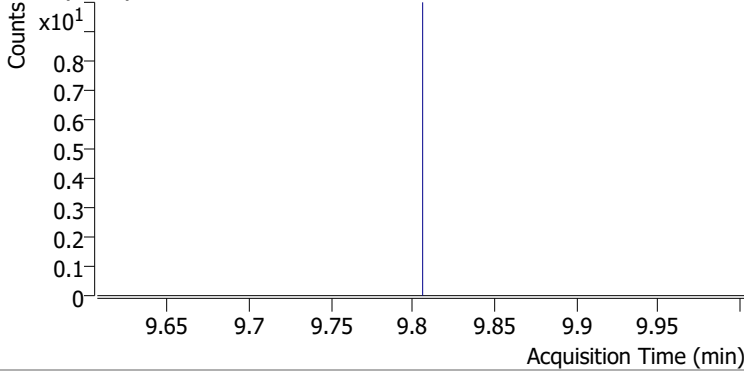
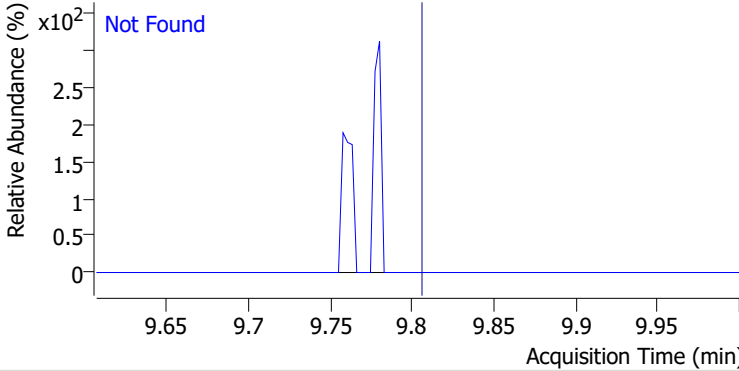
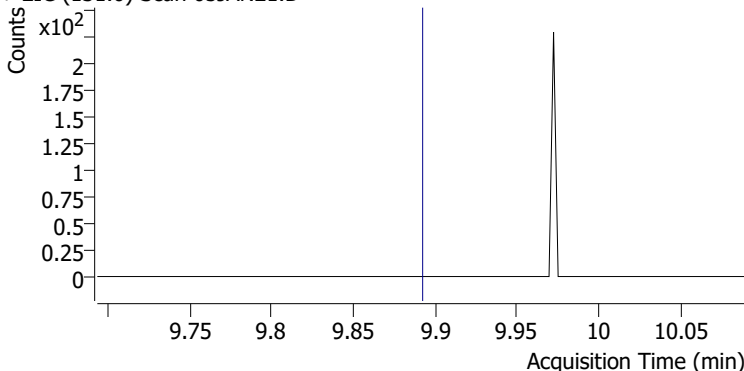
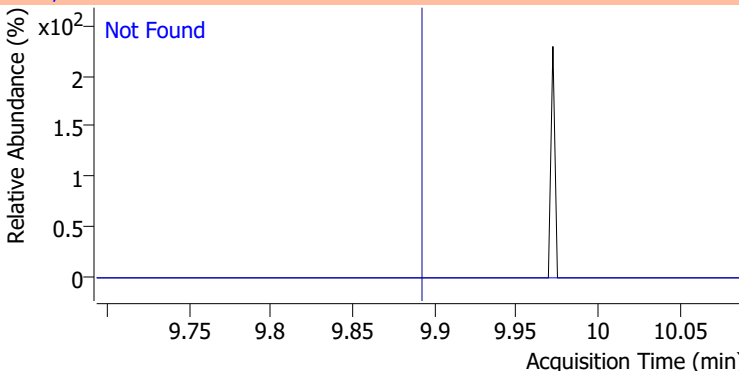
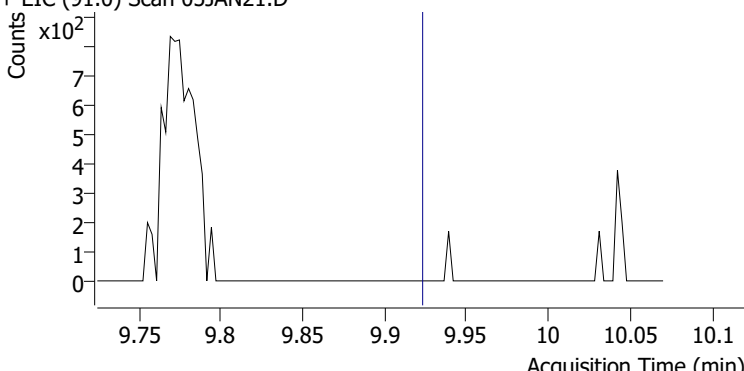
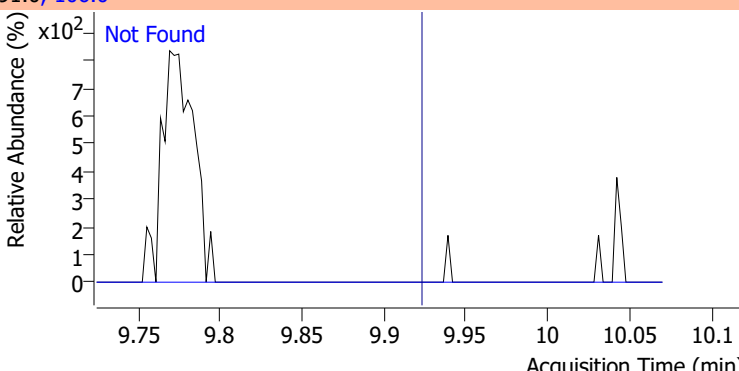
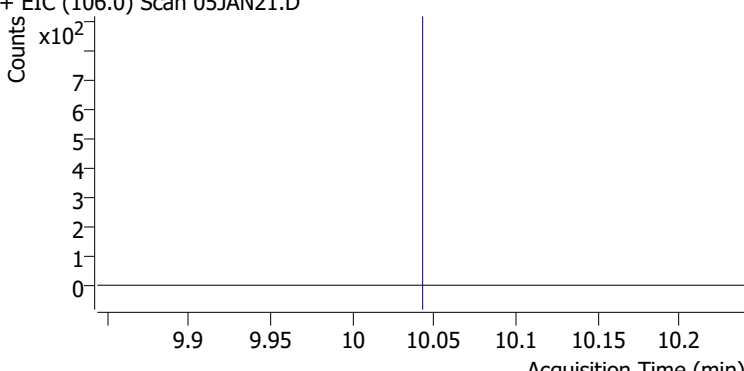
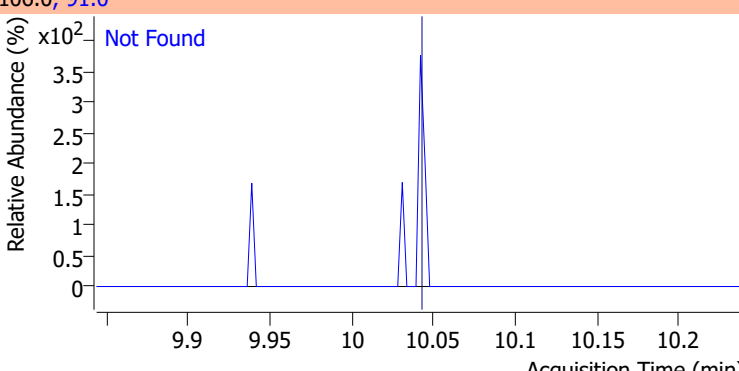
| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |



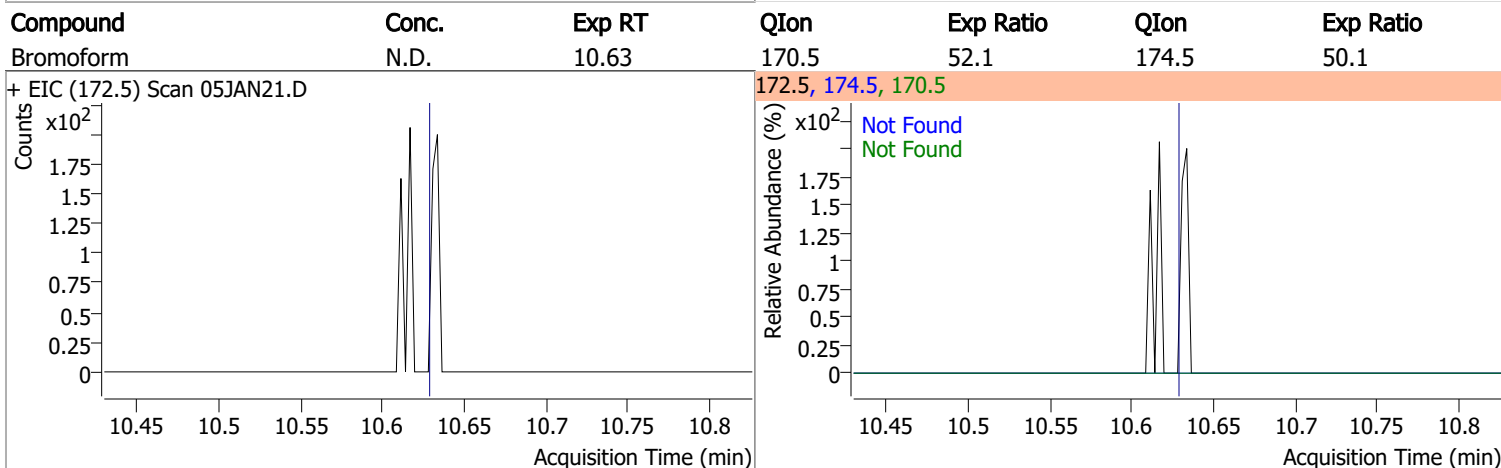
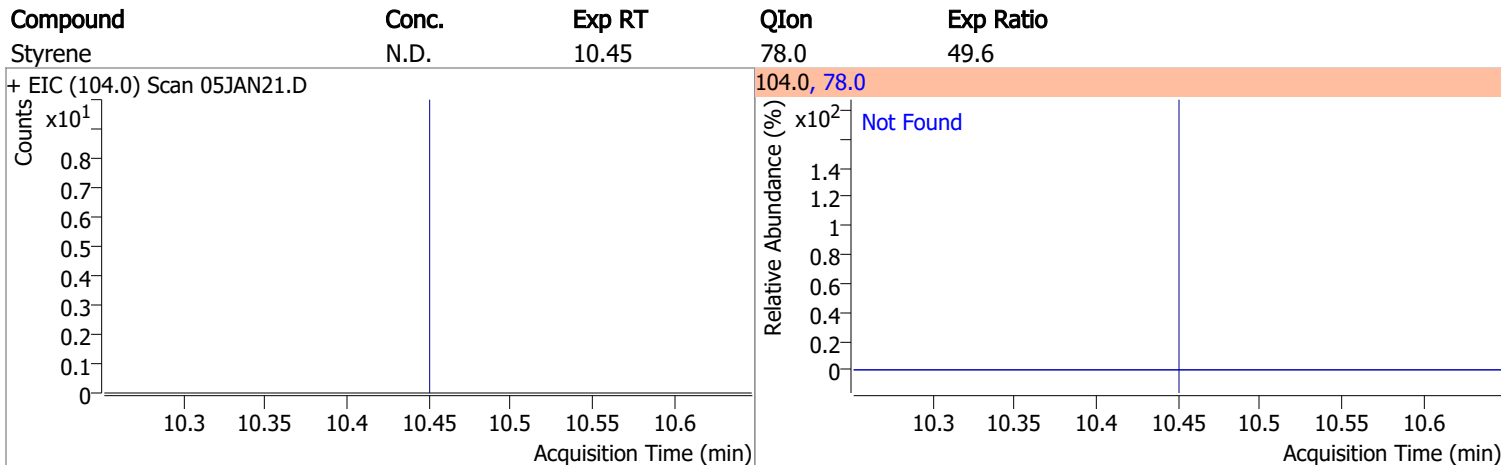
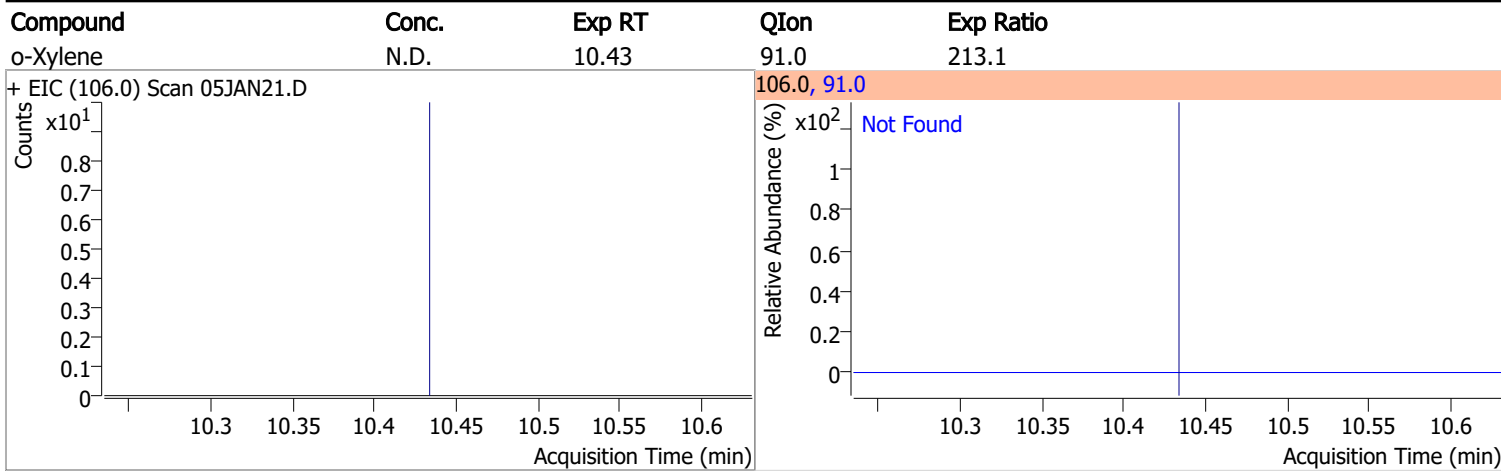
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |



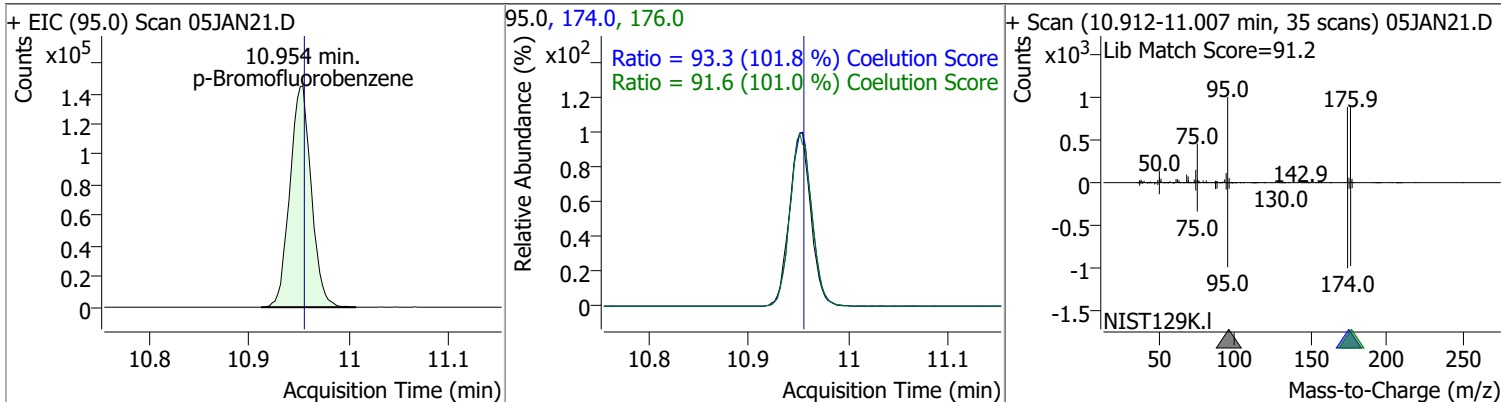
# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |
|--|-------|--------|--|-----------|
| Chlorobenzene  | N.D.  | 9.80   | 114.0  | 32.1      |
| + EIC (112.0) Scan 05JAN21.D   |       |        | 112.0, 114.0   |           |
|    |       |        |    |           |
| 1,1,1,2-Tetrachloroethane  | N.D.  | 9.89   | 133.0  | 98.6      |
| + EIC (131.0) Scan 05JAN21.D   |       |        | 131.0, 133.0   |           |
|   |       |        |   |           |
| Ethylbenzene   | N.D.  | 9.92   | 106.0  | 31.1      |
| + EIC (91.0) Scan 05JAN21.D  |       |        | 91.0, 106.0  |           |
|  |       |        |  |           |
| m+p-Xylenes  | N.D.  | 10.04  | 91.0   | 201.4     |
| + EIC (106.0) Scan 05JAN21.D   |       |        | 106.0, 91.0  |           |
|  |       |        |  |           |

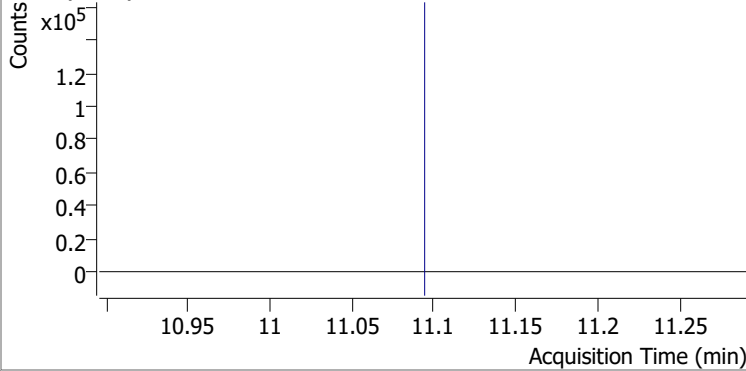
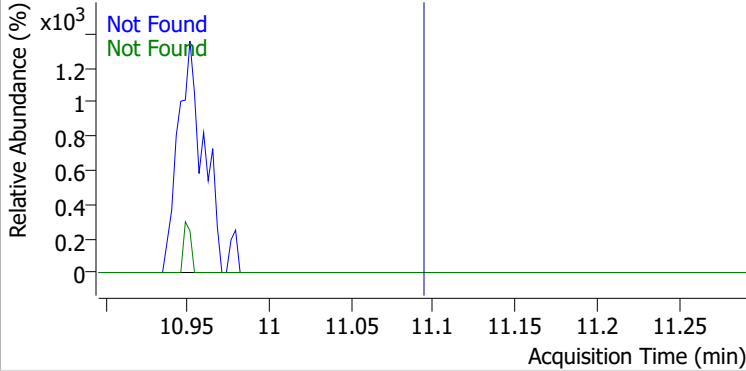
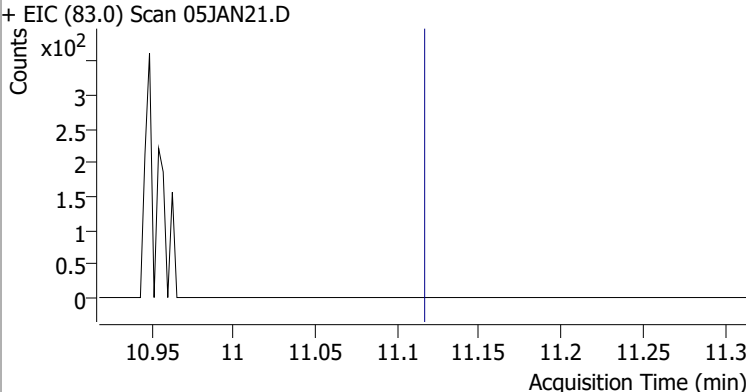
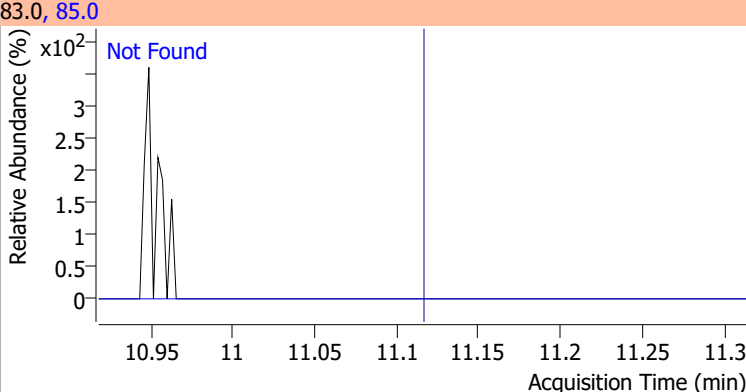
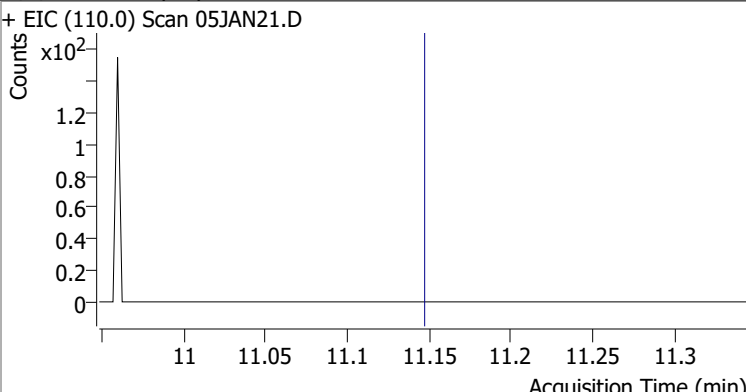
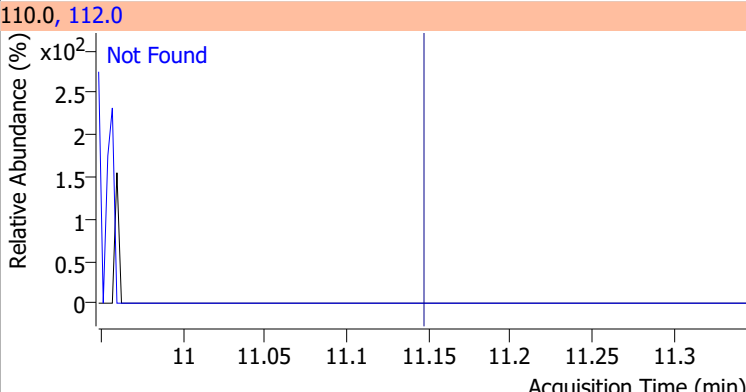
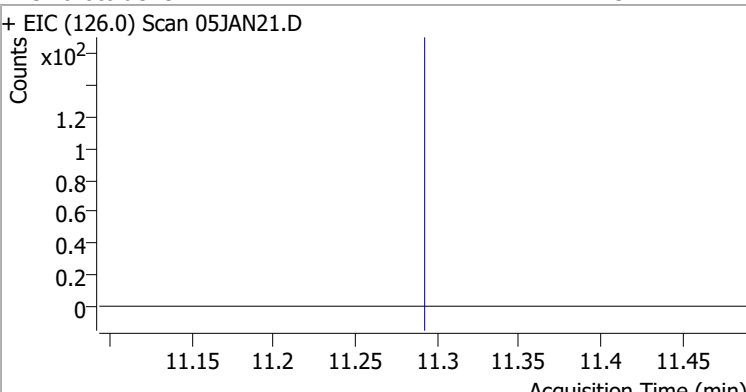
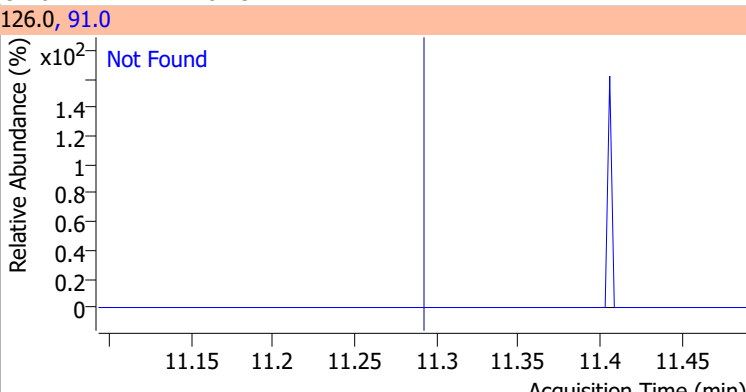
# Quantitation Results Report (QT Reviewed)



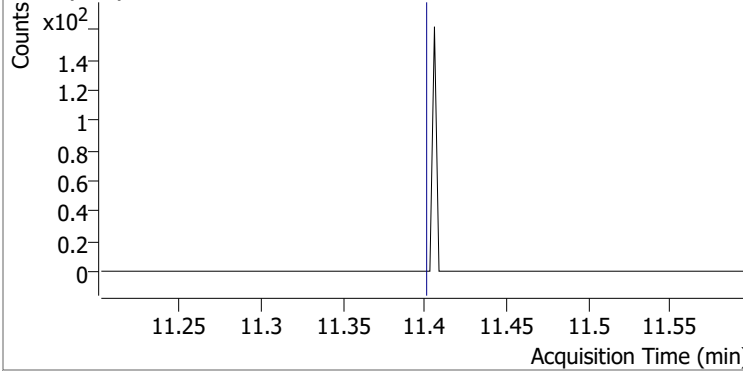
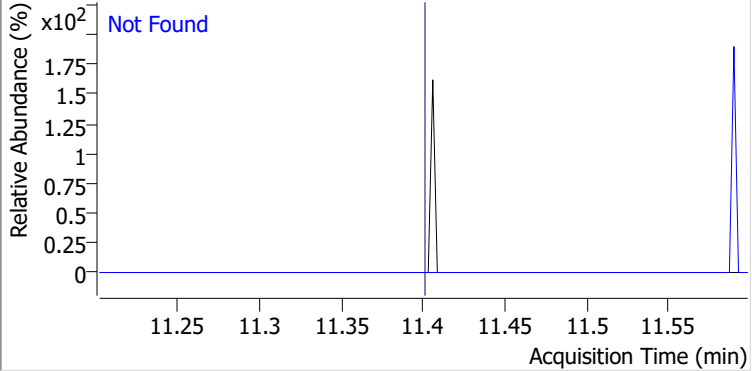
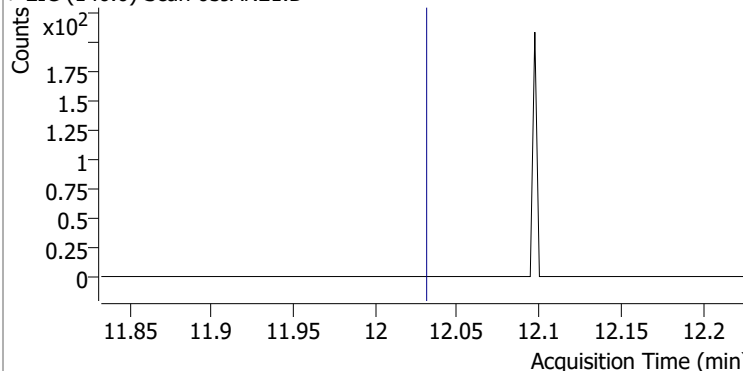
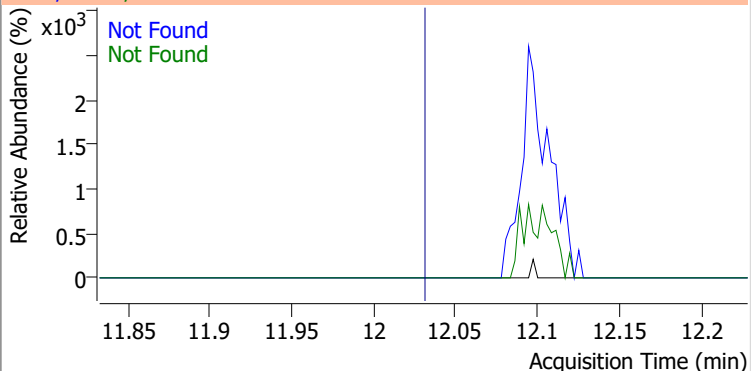
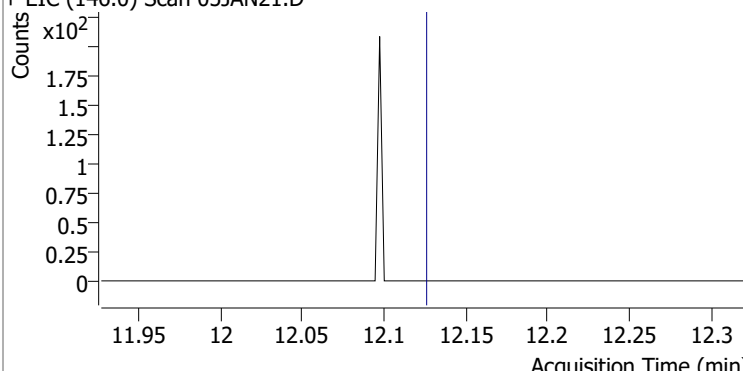
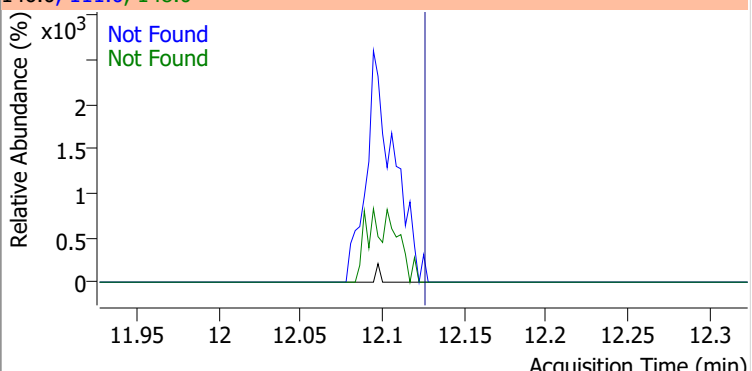
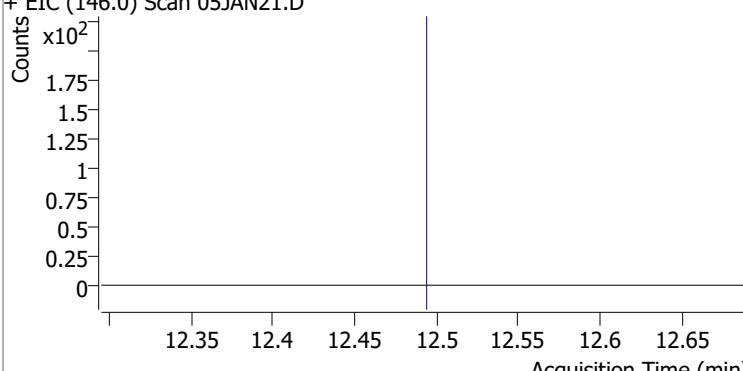
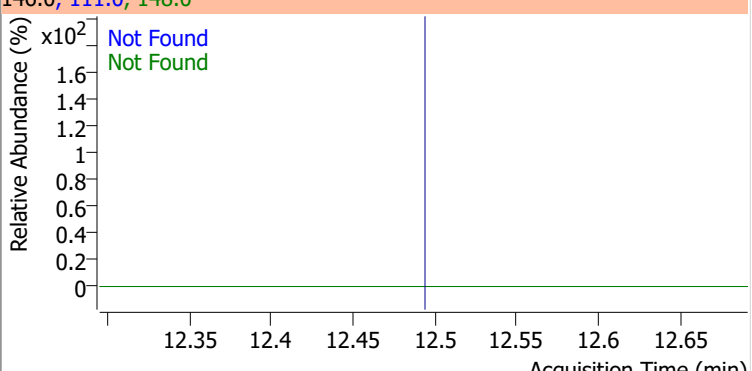
| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 271.1248 | 10.95 | 0.00     | 214122 | 174.0 | 93.3   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 91.6   | 60.6  | 120.6 |



# Quantitation Results Report (QT Reviewed)

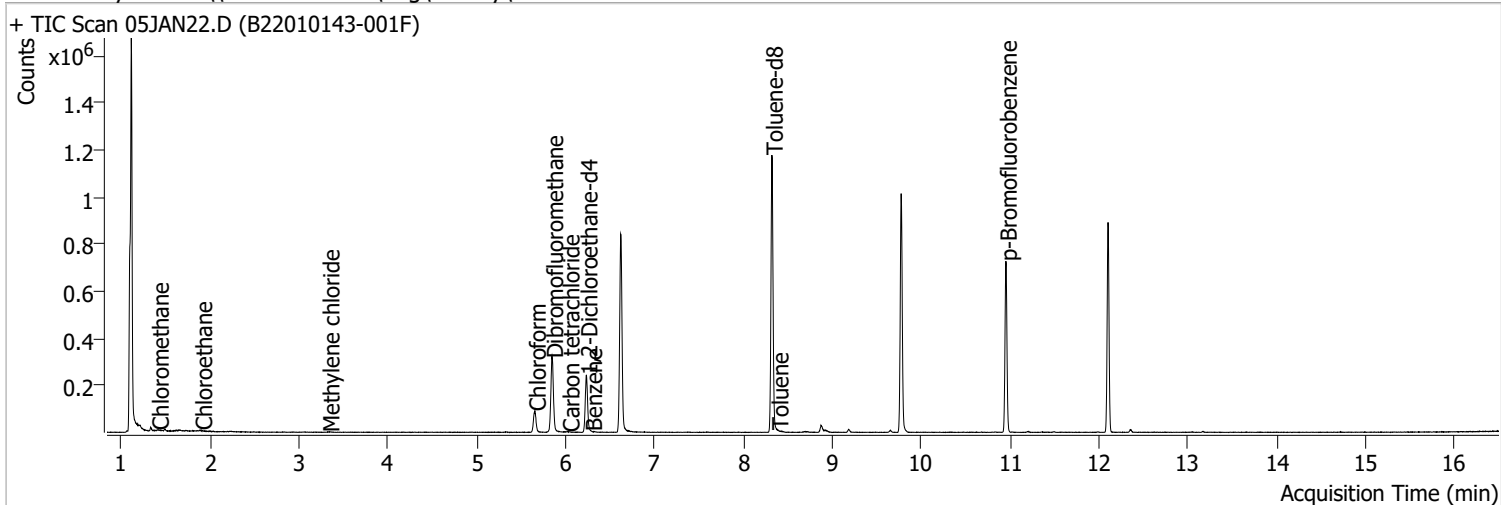
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN21.D   |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN21.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN21.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN21.D   |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN21.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN21.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN21.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN21.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN22.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 7:38:52 PM   |
| Sample Name    | B22010143-001F                      | Instrument        | VOA5975C              |
| Vial           | 22                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT                   | QIon  | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|----------------------|-------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |                      |       |        |                    |       |          |
| M Fluorobenzene                    | 6.620                | 96.0  | 719788 | 250.0000           | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.772                | 82.0  | 282094 | 250.0000           | ng    | 0.000    |
| M 1,4-Dichlorobenzene-d4           | 12.100               | 152.0 | 209754 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |                      |       |        |                    |       |          |
| S Dibromofluoromethane             | 5.848                | 113.0 | 191734 | 282.7463           | ng    | 0.003    |
| Spiked Amount: 250.000             | Range: 80.0 - 119.0% |       |        | Recovery = 113.10% |       |          |
| S 1,2-Dichloroethane-d4            | 6.233                | 67.0  | 84285  | 287.7642           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 81.0 - 118.0% |       |        | Recovery = 115.11% |       |          |
| S Toluene-d8                       | 8.319                | 98.0  | 719407 | 264.6434           | ng    | 0.000    |
| Spiked Amount: 250.000             | Range: 89.0 - 112.0% |       |        | Recovery = 105.86% |       |          |
| S p-Bromofluorobenzene             | 10.951               | 95.0  | 207569 | 270.1186           | ng    | -0.003   |
| Spiked Amount: 250.000             | Range: 85.0 - 114.0% |       |        | Recovery = 108.05% |       |          |
| <b>Target Compounds</b>            |                      |       |        |                    |       |          |
| T Dichlorodifluoromethane          | 0.000                |       | 0      | N.D.               |       |          |
| T Chloromethane                    | 1.411                | 50.0  | 3703   | 3.2345             | ng    | 89       |
| T Vinyl chloride                   | 0.000                |       | 0      | N.D.               |       |          |
| T Bromomethane                     | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroethane                     | 1.899                | 64.0  | 1664   | 3.2620             | ng    | m 91     |
| T Trichlorofluoromethane           | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethene               | 0.000                |       | 0      | N.D.               |       |          |
| T Methylene chloride               | 3.330                | 49.0  | 1094   | 1.0233             | ng    | m 85     |
| T trans-1,2-Dichloroethene         | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl tert-butyl ether (MTBE)   | 0.000                |       | 0      | N.D.               |       |          |
| T 1,1-Dichloroethane               | 0.000                |       | 0      | N.D.               |       |          |
| T 2,2-Dichloropropane              | 0.000                |       | 0      | N.D.               |       |          |
| T cis-1,2-Dichloroethene           | 0.000                |       | 0      | N.D.               |       |          |
| T Methyl ethyl ketone              | 0.000                |       | 0      | N.D.               |       |          |
| T Bromochloromethane               | 0.000                |       | 0      | N.D.               |       |          |
| T Chloroform                       | 5.653                | 83.0  | 71551  | 52.2176            | ng    | 98       |

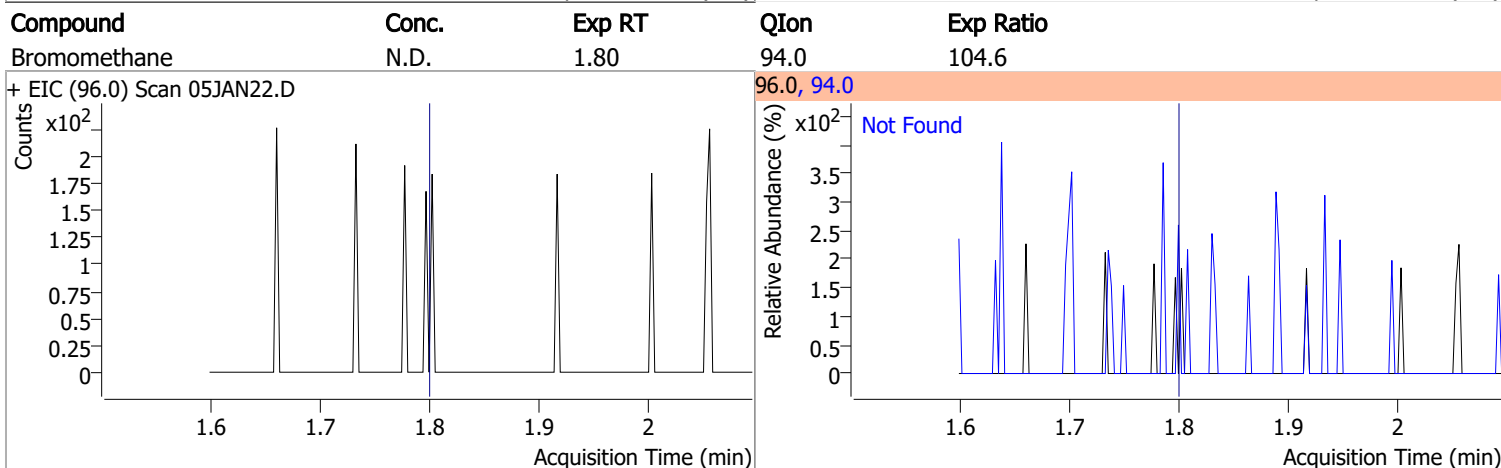
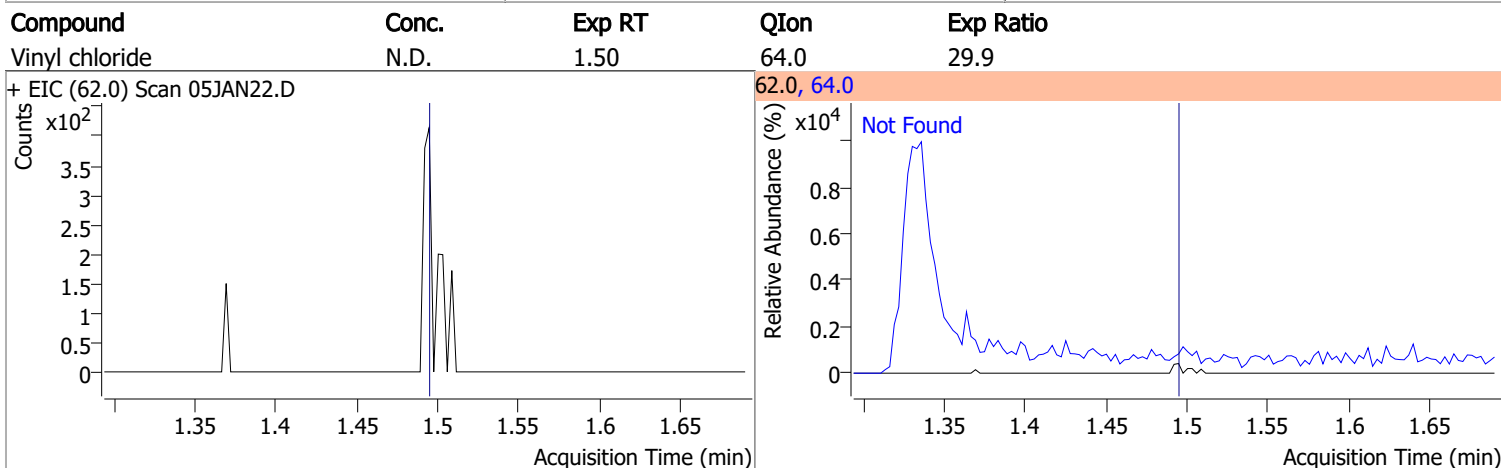
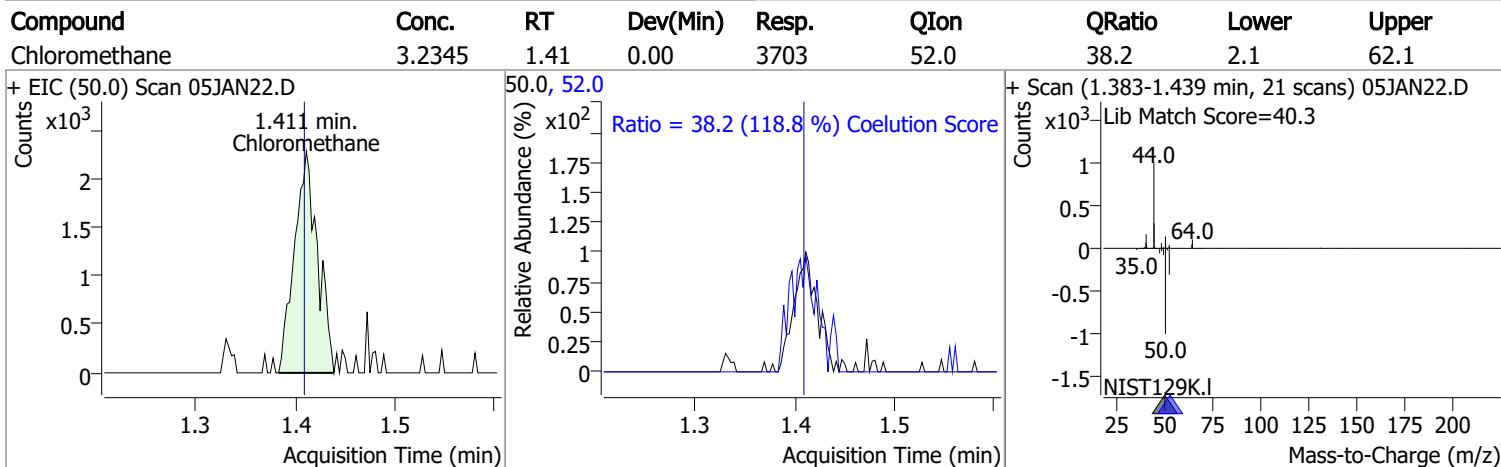
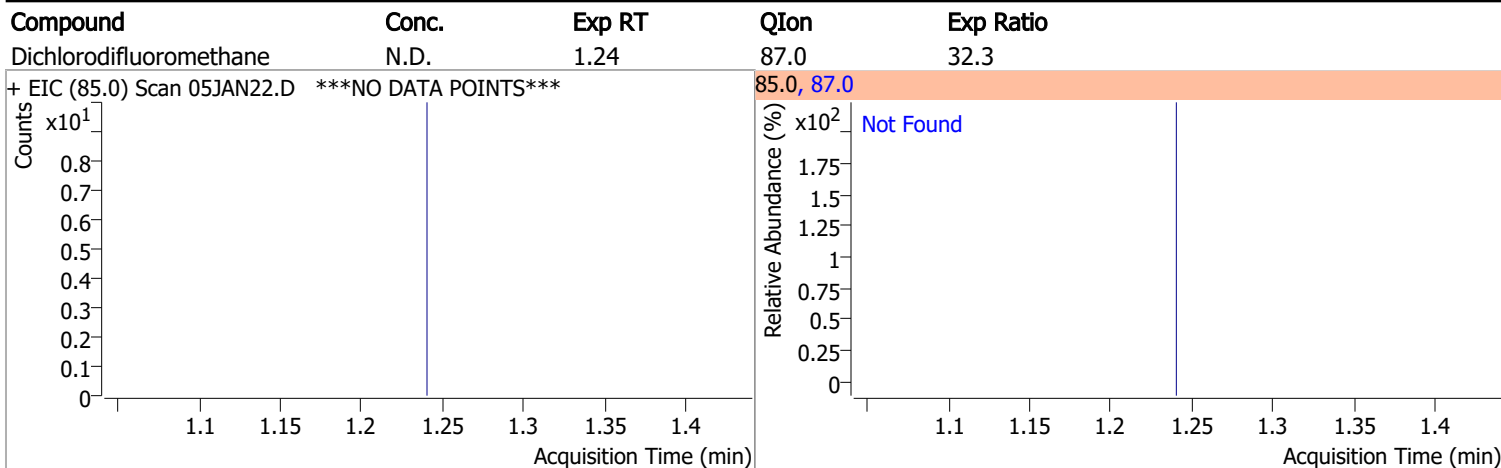
# Quantitation Results Report (QT Reviewed)

| Compound                    | RT    | QIon  | Resp. | Conc.  | Units |    | Dev(Min) |
|-----------------------------|-------|-------|-------|--------|-------|----|----------|
| T 1,1,1-Trichloroethane     | 0.000 |       | 0     | N.D.   |       |    |          |
| T Carbon tetrachloride      | 6.029 | 117.0 | 1272  | 1.0055 | ng    | m  | 96       |
| T 1,1-Dichloropropene       | 0.000 |       | 0     | N.D.   |       |    |          |
| T Benzene                   | 6.286 | 78.0  | 1833  | 0.6395 | ng    | m  | 90       |
| T 1,2-Dichloroethane        | 6.317 | 62.0  | 0     |        | ng    | md | 1        |
| T Trichloroethene           | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichloropropane       | 0.000 |       | 0     | N.D.   |       |    |          |
| T Dibromomethane            | 0.000 |       | 0     | N.D.   |       |    |          |
| T Bromodichloromethane      | 0.000 |       | 0     | N.D.   |       |    |          |
| T cis-1,3-Dichloropropene   | 0.000 |       | 0     | N.D.   |       |    |          |
| T Toluene                   | 8.383 | 92.0  | 260   | 0.1414 | ng    | m  | 95       |
| T trans-1,3-Dichloropropene | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,1,2-Trichloroethane     | 0.000 |       | 0     | N.D.   |       |    |          |
| T Tetrachloroethene         | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichloropropane       | 0.000 |       | 0     | N.D.   |       |    |          |
| T Chlorodibromomethane      | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,2-Dibromoethane         | 0.000 |       | 0     | N.D.   |       |    |          |
| T Chlorobenzene             | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,1,1,2-Tetrachloroethane | 0.000 |       | 0     | N.D.   |       |    |          |
| T Ethylbenzene              | 0.000 |       | 0     | N.D.   |       |    |          |
| T m+p-Xylenes               | 0.000 |       | 0     | N.D.   |       |    |          |
| T o-Xylene                  | 0.000 |       | 0     | N.D.   |       |    |          |
| T Styrene                   | 0.000 |       | 0     | N.D.   |       |    |          |
| T Bromoform                 | 0.000 |       | 0     | N.D.   |       |    |          |
| T Bromobenzene              | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,1,2,2-Tetrachloroethane | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,2,3-Trichloropropane    | 0.000 |       | 0     | N.D.   |       |    |          |
| T 2-Chlorotoluene           | 0.000 |       | 0     | N.D.   |       |    |          |
| T 4-Chlorotoluene           | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,3-Dichlorobenzene       | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,4-Dichlorobenzene       | 0.000 |       | 0     | N.D.   |       |    |          |
| T 1,2-Dichlorobenzene       | 0.000 |       | 0     | N.D.   |       |    |          |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

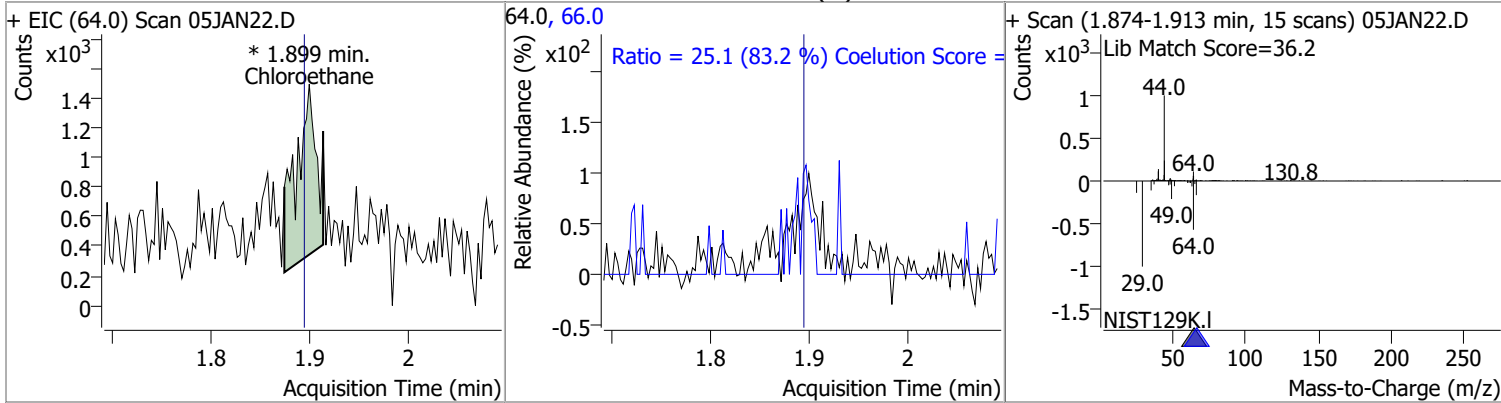


# Quantitation Results Report (QT Reviewed)

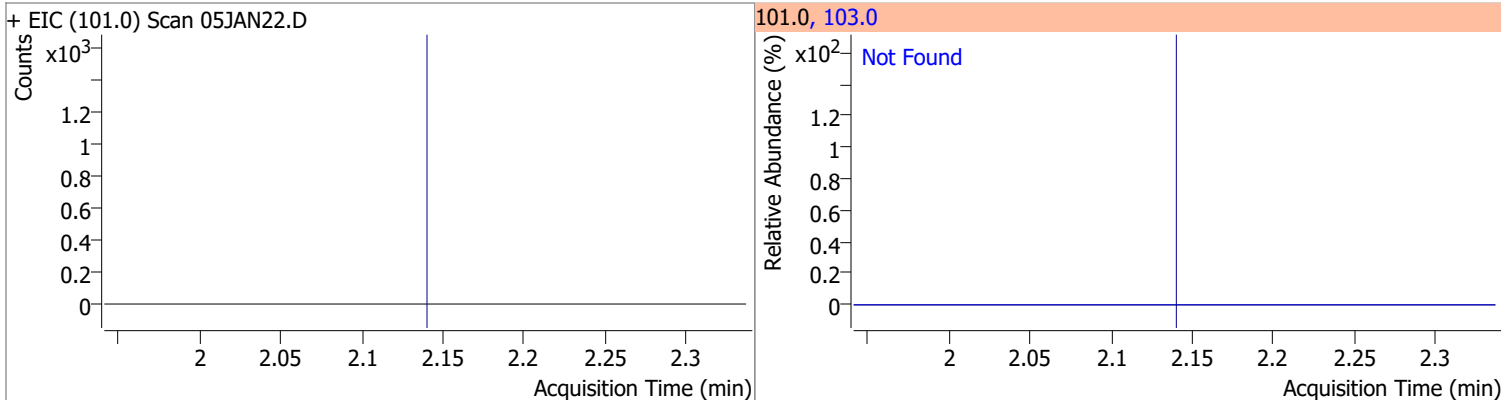


# Quantitation Results Report (QT Reviewed)

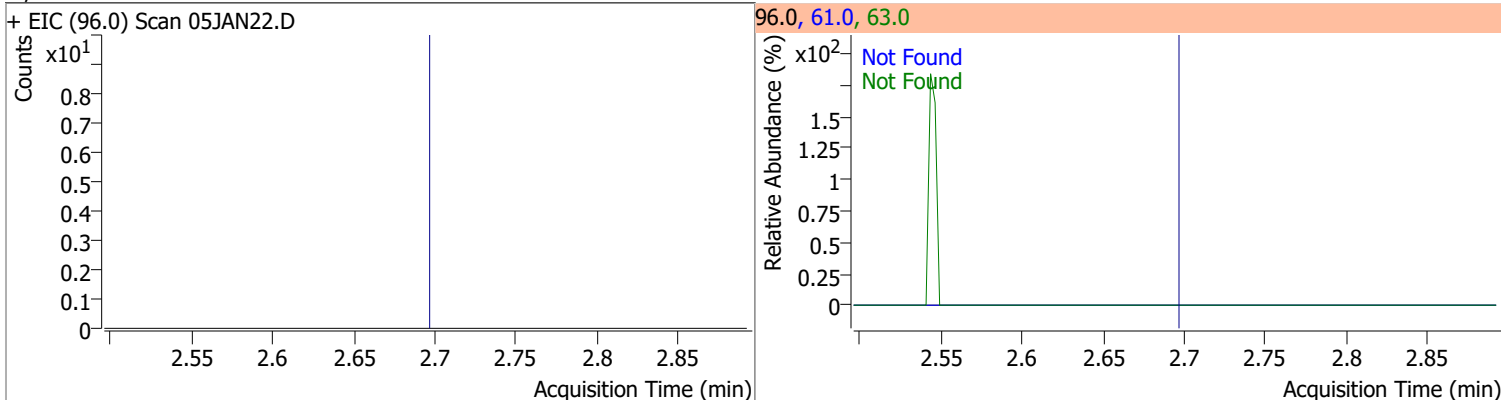
| Compound     | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------|--------|------|----------|----------|------|--------|-------|-------|
| Chloroethane | 3.2620 | 1.90 | 0.01     | 1664 (m) | 66.0 | 25.1   | 0.1   | 60.1  |



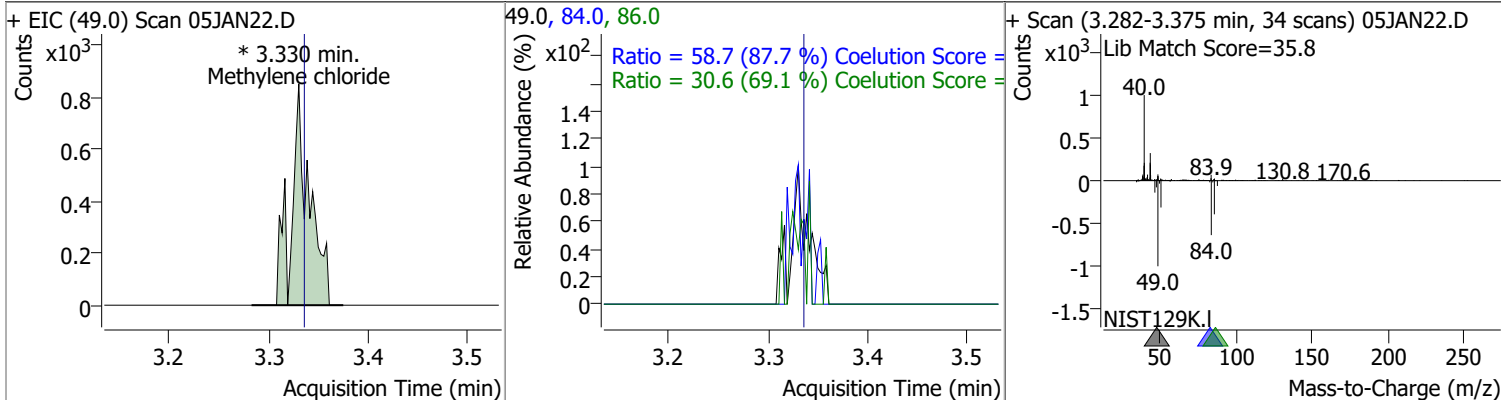
| Compound               | Conc. | Exp RT | QIon  | Exp Ratio |
|------------------------|-------|--------|-------|-----------|
| Trichlorofluoromethane | N.D.  | 2.14   | 103.0 | 64.2      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethene | N.D.  | 2.70   | 61.0 | 180.3     | 63.0 | 56.7      |

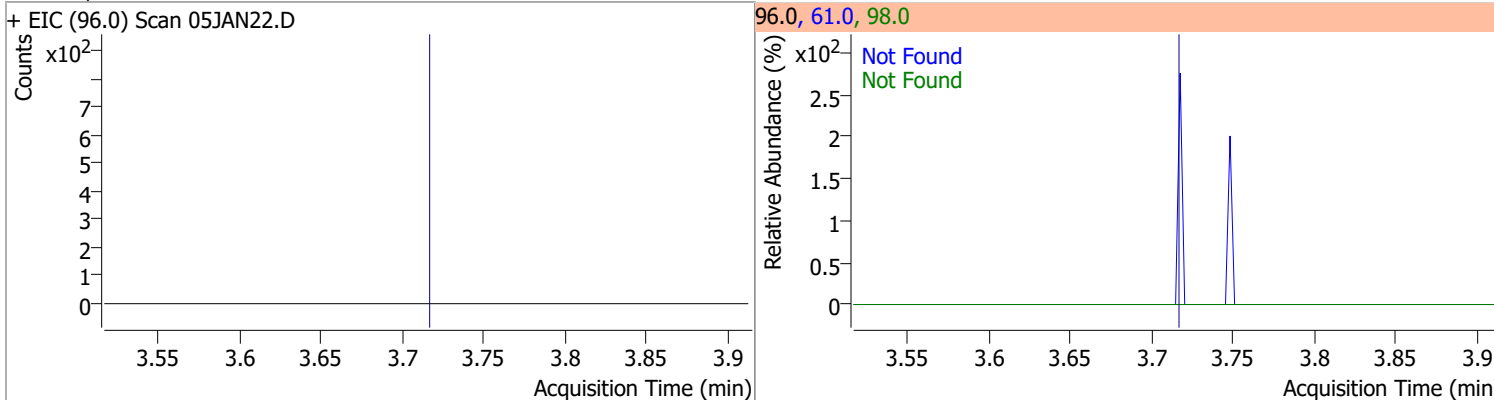


| Compound           | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|--------------------|--------|------|----------|----------|------|--------|-------|-------|
| Methylene chloride | 1.0233 | 3.33 | -0.01    | 1094 (m) | 84.0 | 58.7   | 36.9  | 96.9  |
|                    |        |      |          |          | 86.0 | 30.6   | 14.3  | 74.3  |

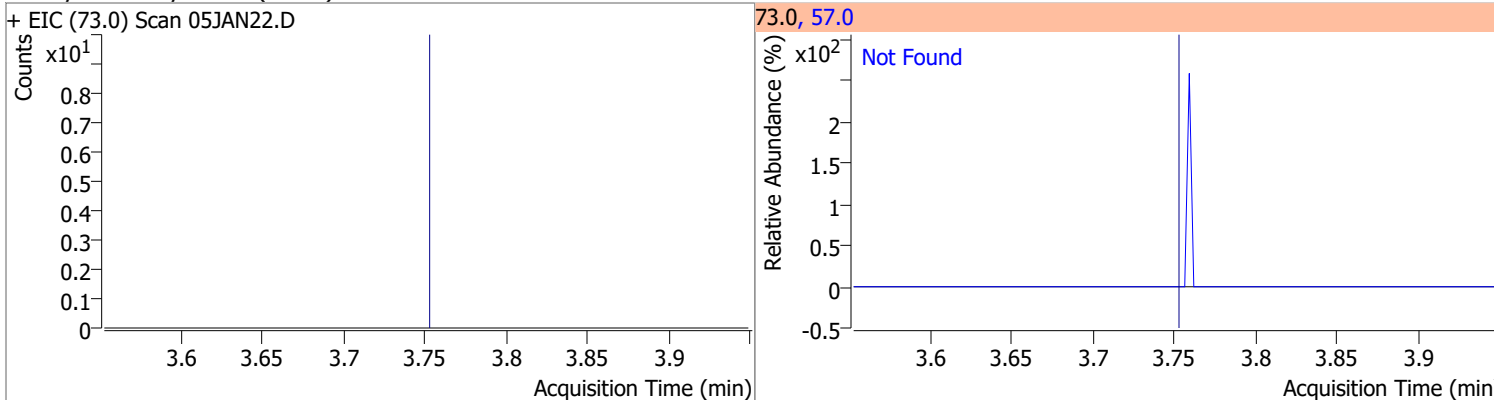


# Quantitation Results Report (QT Reviewed)

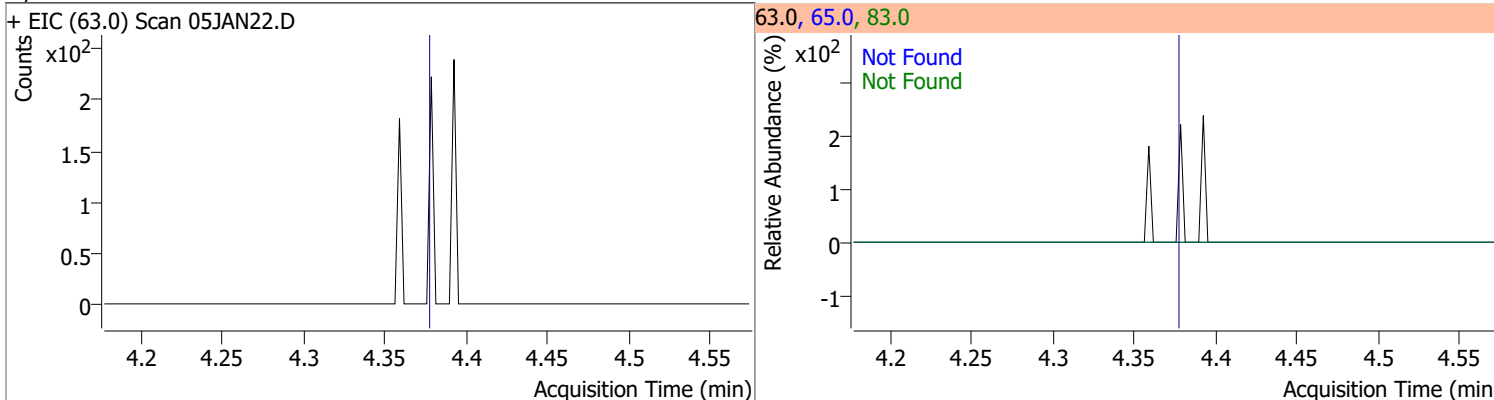
| Compound                 | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,2-Dichloroethene | N.D.  | 3.72   | 61.0 | 153.9     | 98.0 | 65.7      |



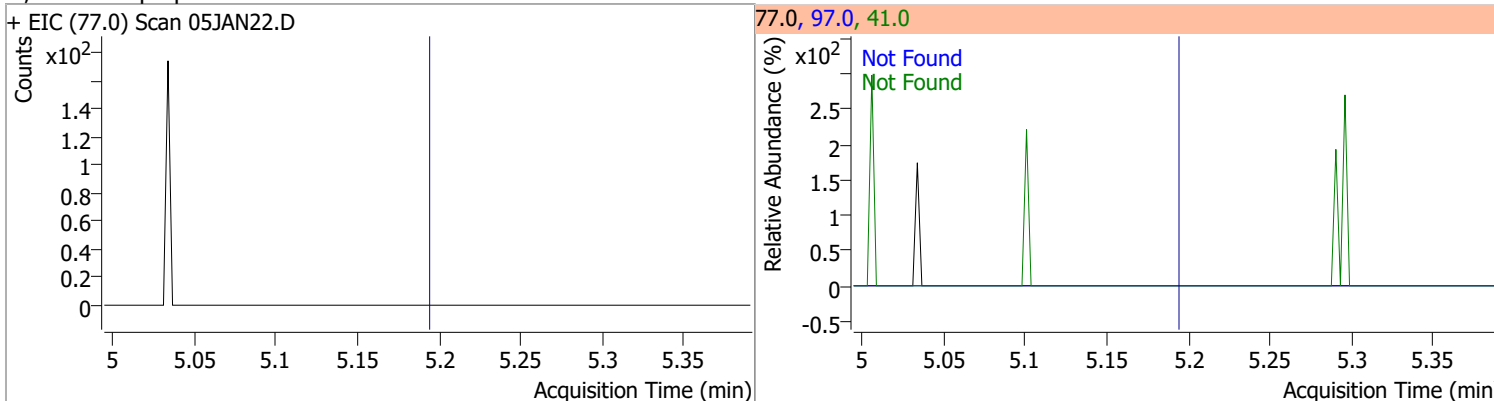
| Compound                       | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------------------|-------|--------|------|-----------|
| Methyl tert-butyl ether (MTBE) | N.D.  | 3.75   | 57.0 | 24.6      |



| Compound           | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|------|-----------|
| 1,1-Dichloroethane | N.D.  | 4.38   | 65.0 | 32.1      | 83.0 | 13.7      |

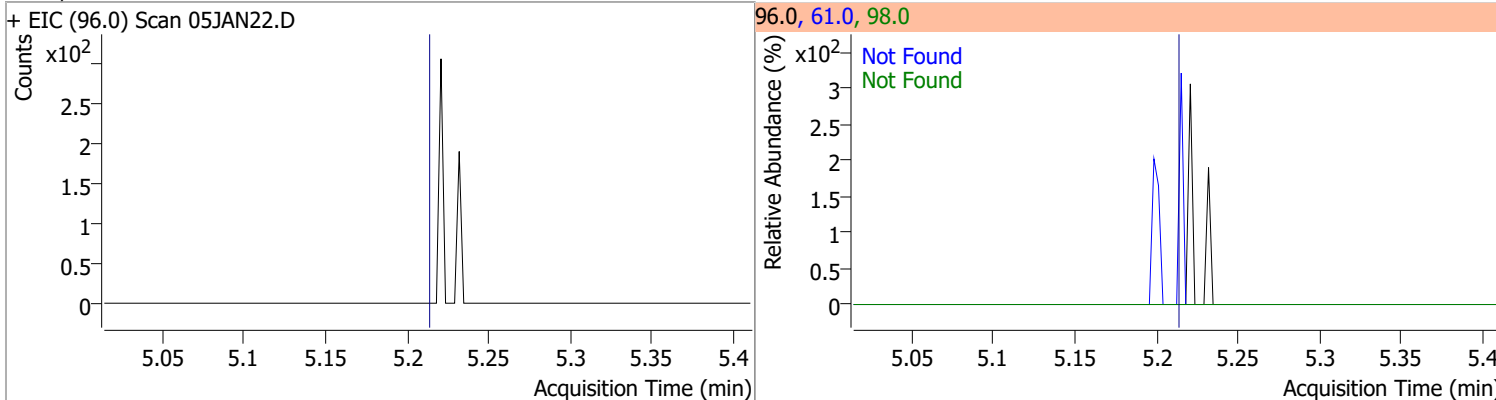


| Compound            | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|------|-----------|
| 2,2-Dichloropropane | N.D.  | 5.20   | 41.0 | 66.5      | 97.0 | 23.2      |

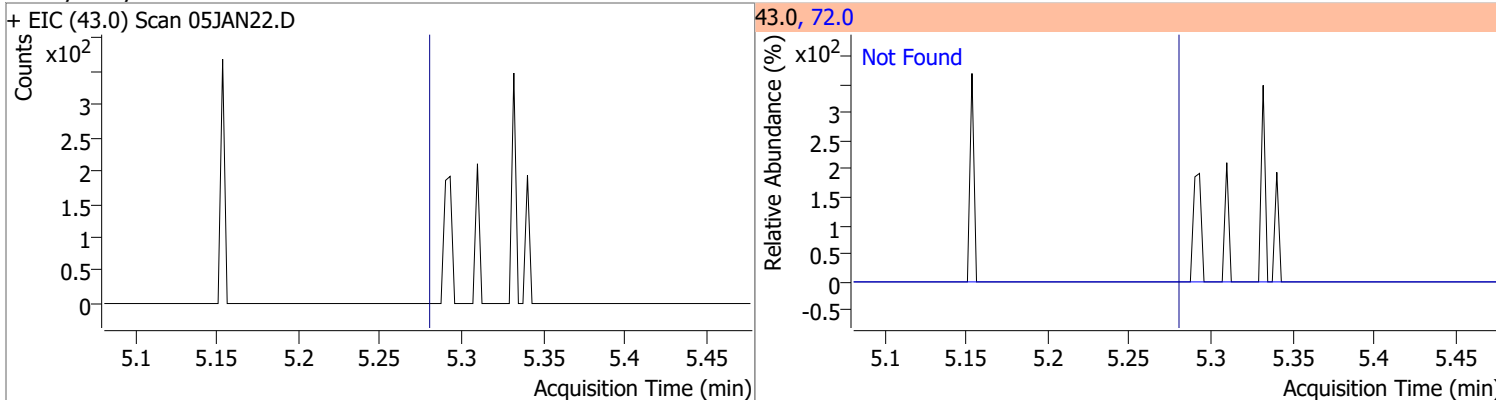


# Quantitation Results Report (QT Reviewed)

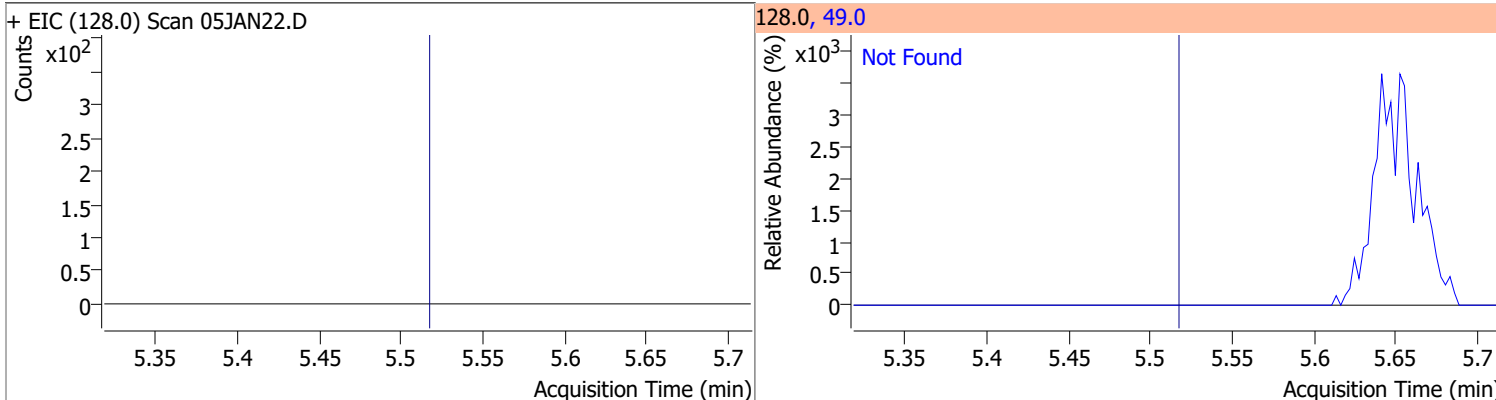
| Compound               | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|------------------------|-------|--------|------|-----------|------|-----------|
| cis-1,2-Dichloroethene | N.D.  | 5.22   | 61.0 | 167.2     | 98.0 | 67.3      |



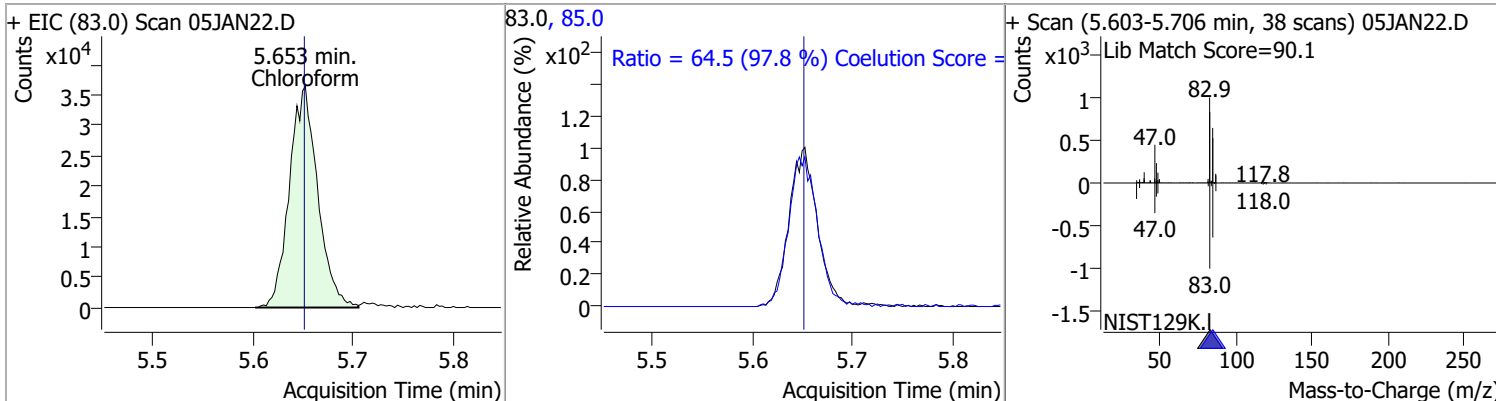
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| Methyl ethyl ketone | N.D.  | 5.28   | 72.0 | 21.3      |



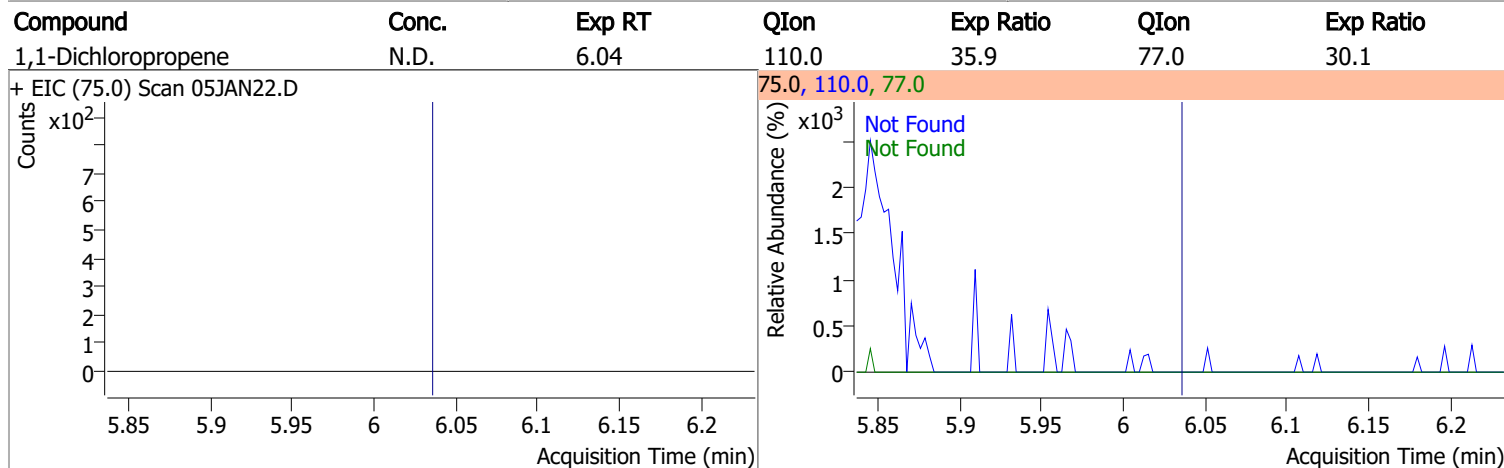
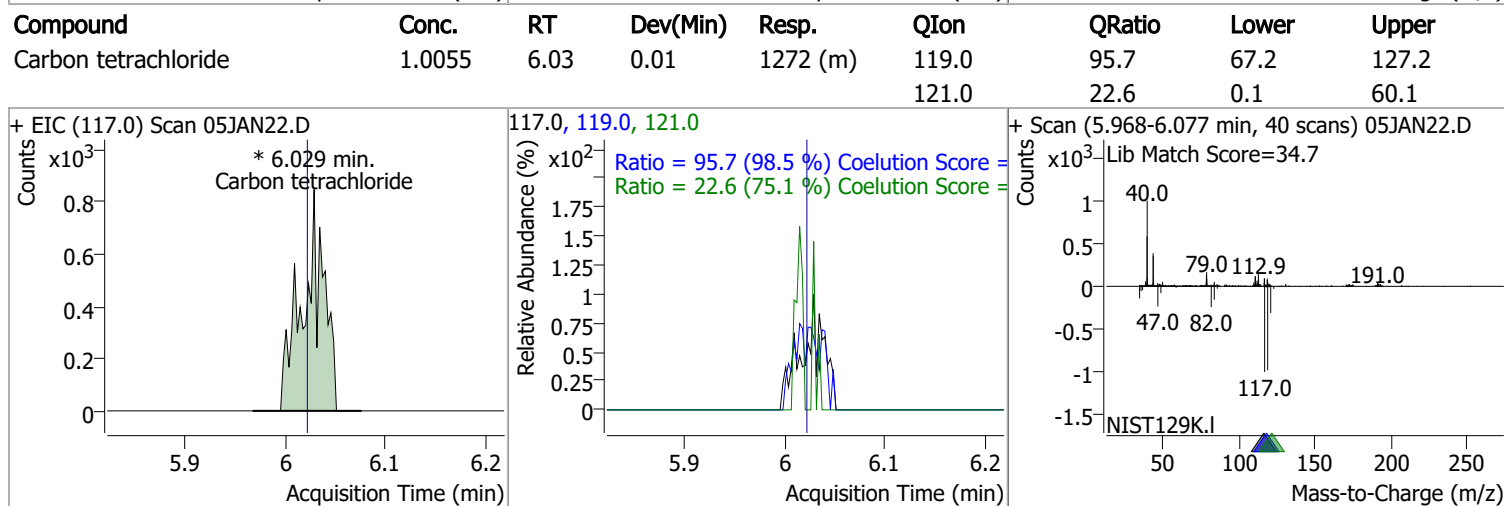
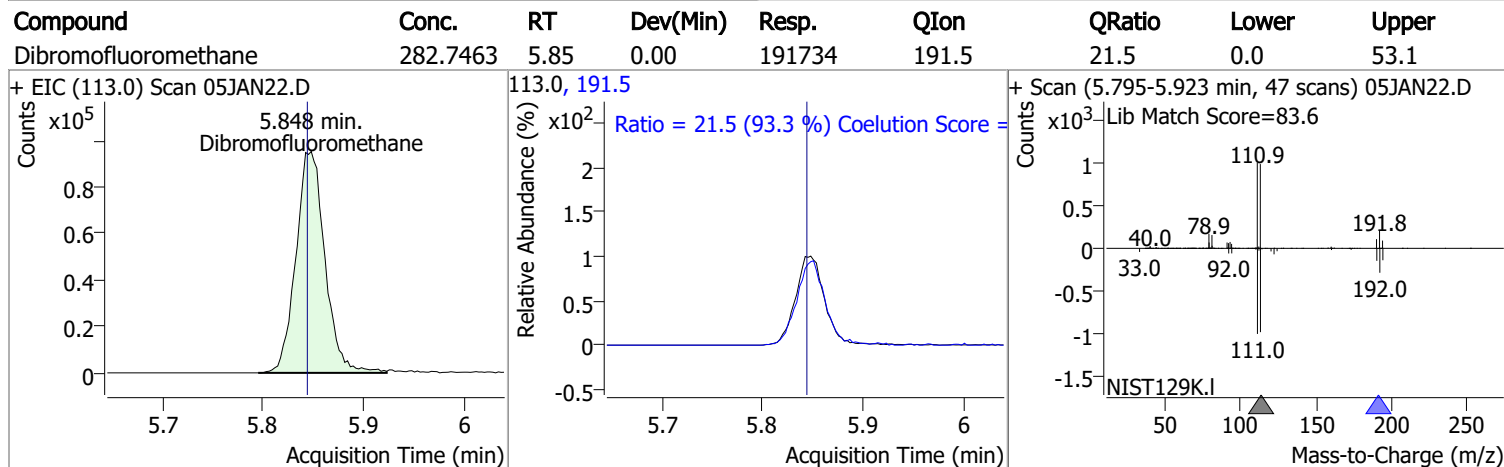
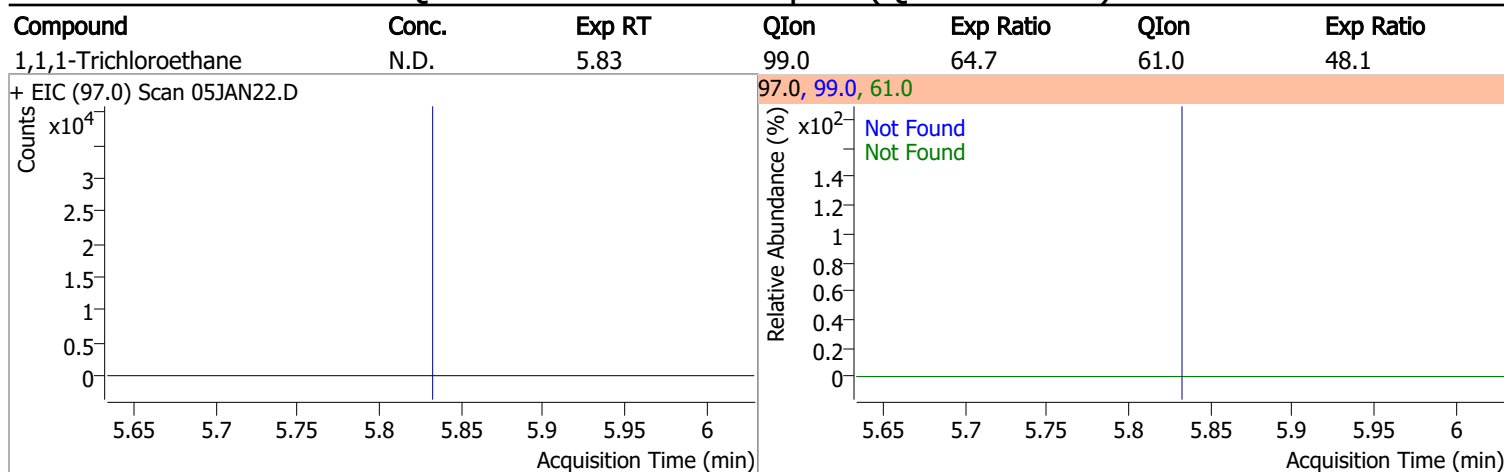
| Compound           | Conc. | Exp RT | QIon | Exp Ratio |
|--------------------|-------|--------|------|-----------|
| Bromochloromethane | N.D.  | 5.52   | 49.0 | 182.9     |



| Compound   | Conc.   | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|------------|---------|------|----------|-------|------|--------|-------|-------|
| Chloroform | 52.2176 | 5.65 | 0.00     | 71551 | 85.0 | 64.5   | 36.0  | 96.0  |

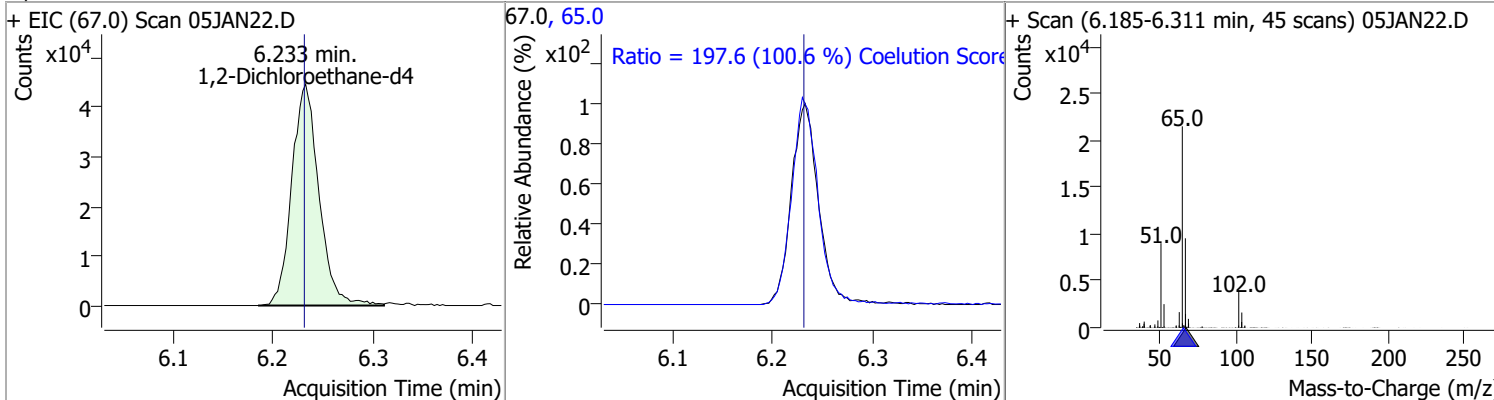


# Quantitation Results Report (QT Reviewed)

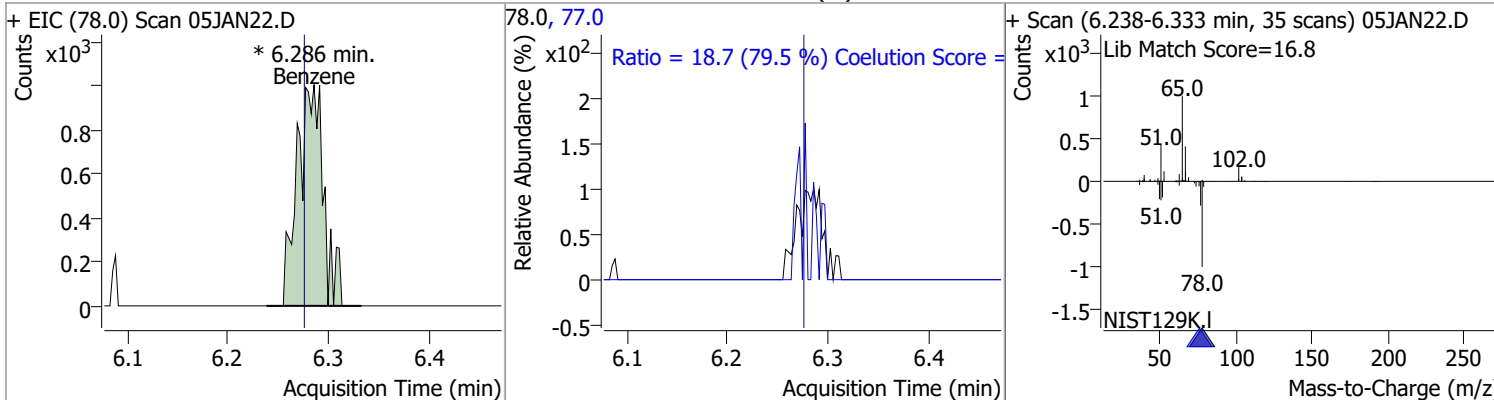


# Quantitation Results Report (QT Reviewed)

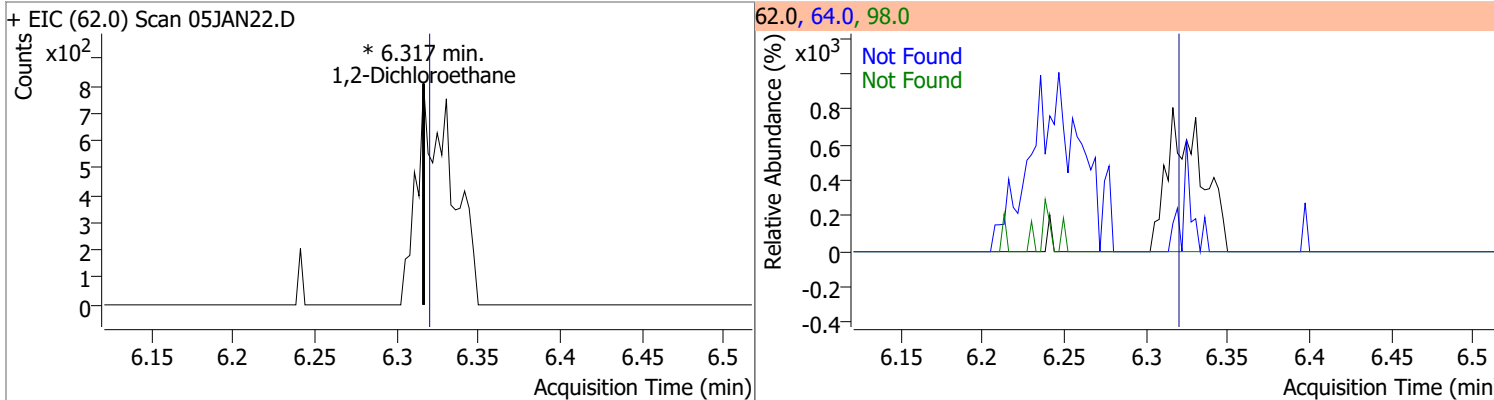
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 287.7642 | 6.23 | 0.00     | 84285 | 65.0 | 197.6  | 166.5 | 226.5 |



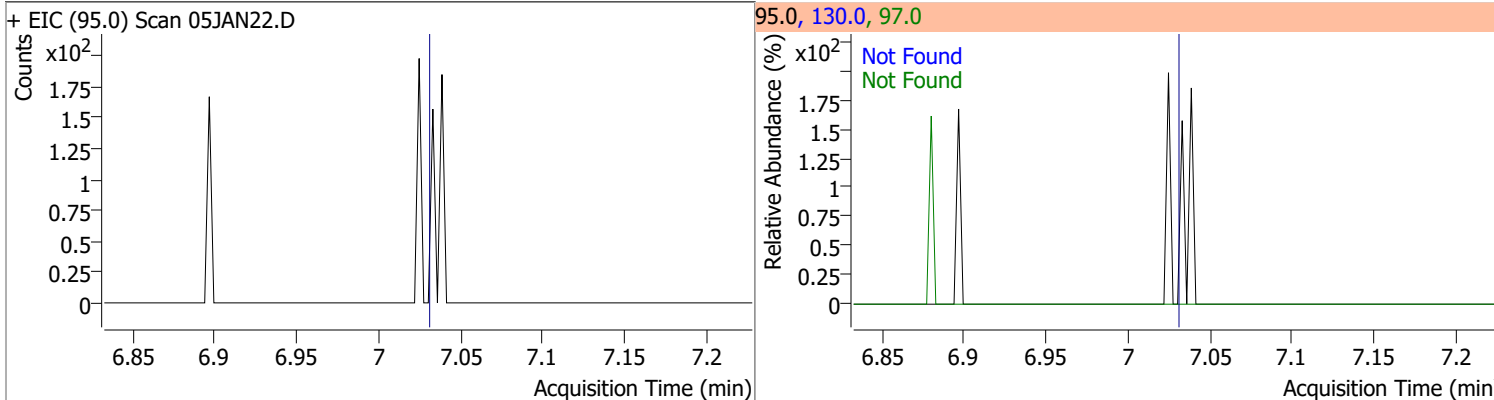
| Compound | Conc.  | RT   | Dev(Min) | Resp.    | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|----------|------|--------|-------|-------|
| Benzene  | 0.6395 | 6.29 | 0.01     | 1833 (m) | 77.0 | 18.7   | 0.0   | 53.5  |



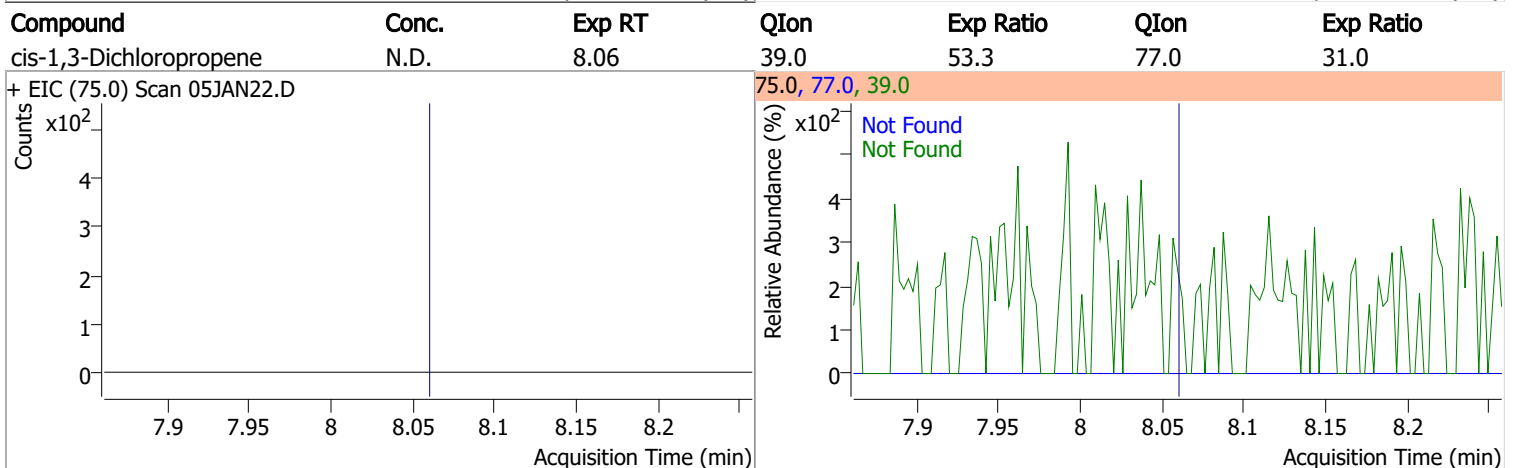
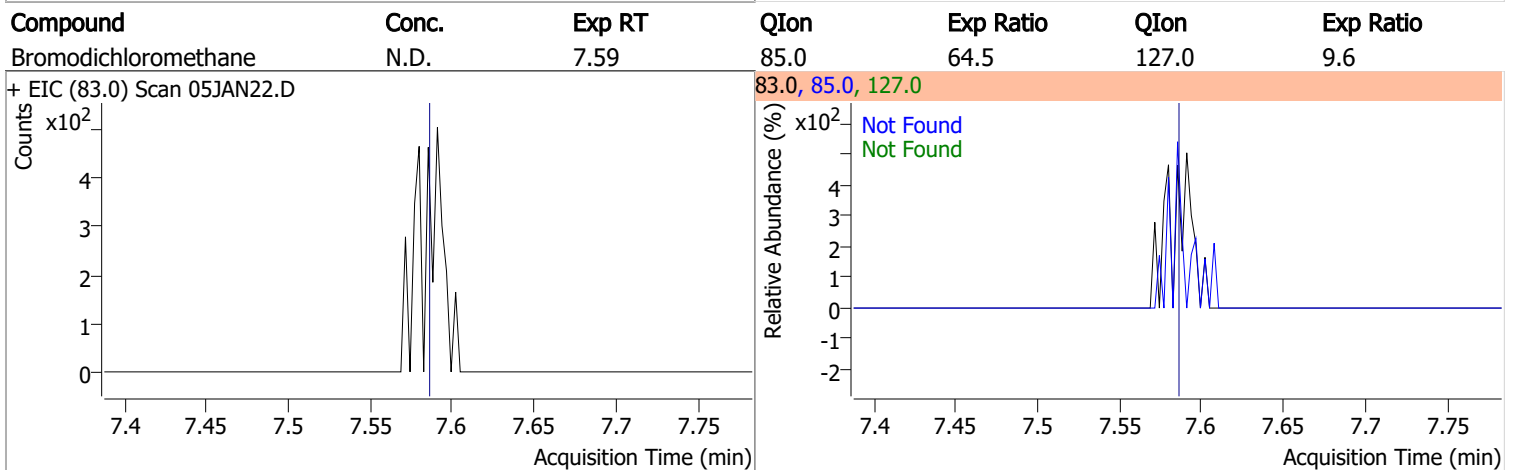
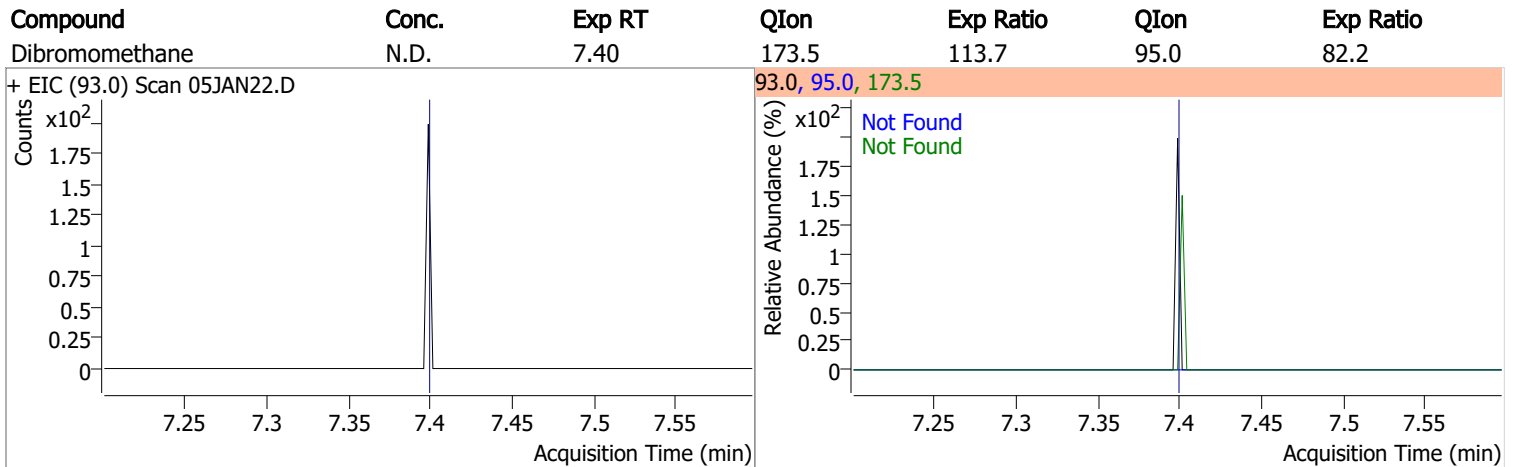
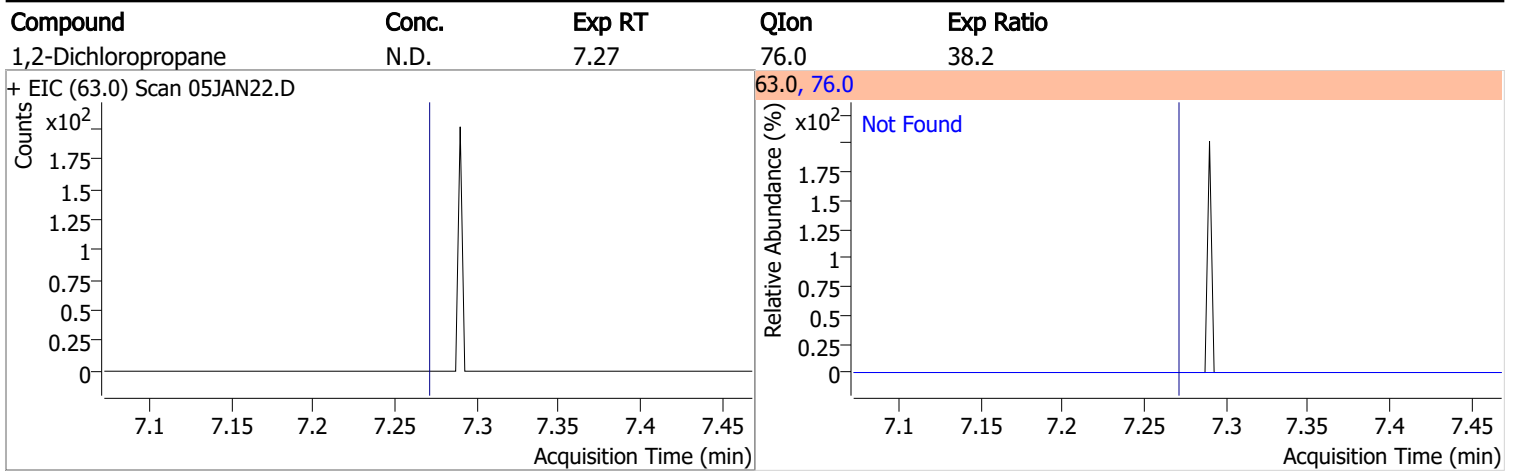
| Compound           | Conc. | RT | Dev(Min) | Resp. | QIon         | QRatio | Lower | Upper        |
|--------------------|-------|----|----------|-------|--------------|--------|-------|--------------|
| 1,2-Dichloroethane | 0     | 0  | 0        | 0     | 64.0<br>98.0 | 0.0    | 0.0   | 59.9<br>37.6 |



| Compound        | Conc. | Exp RT | QIon  | Exp Ratio | QIon | Exp Ratio |
|-----------------|-------|--------|-------|-----------|------|-----------|
| Trichloroethene | N.D.  | 7.03   | 130.0 | 101.5     | 97.0 | 64.1      |

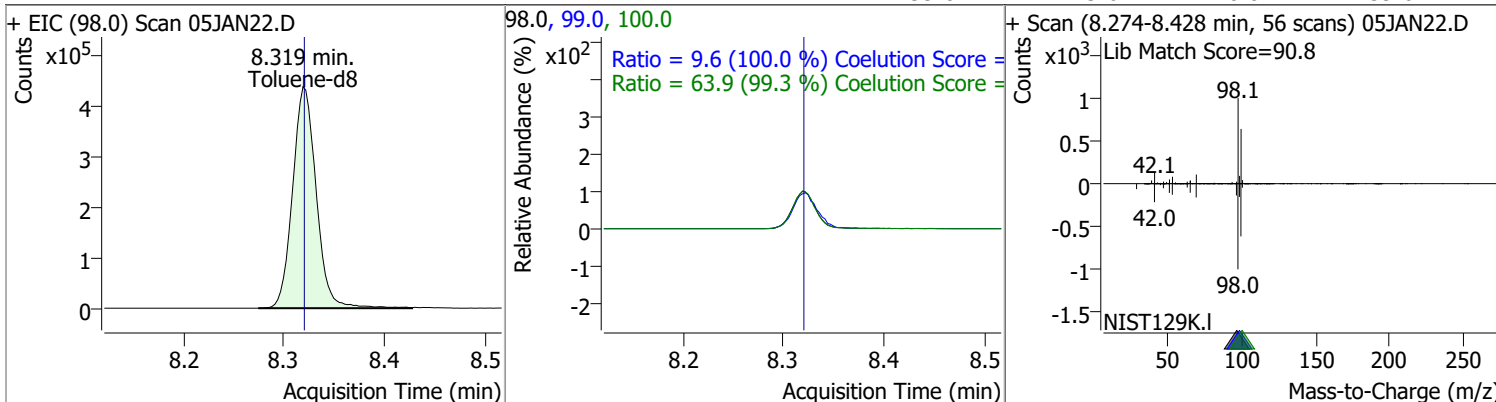


# Quantitation Results Report (QT Reviewed)

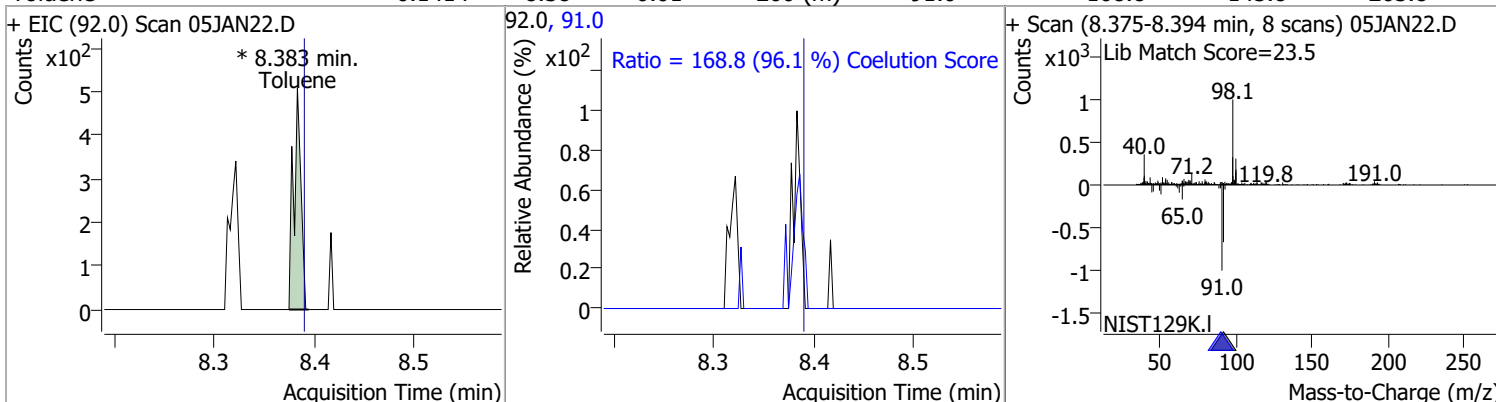


# Quantitation Results Report (QT Reviewed)

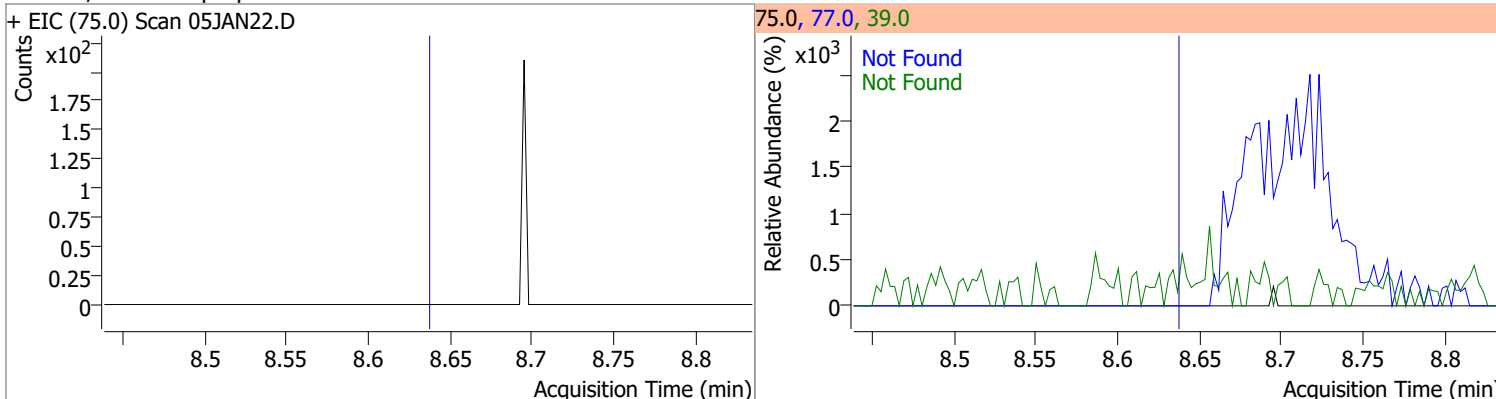
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 264.6434 | 8.32 | 0.00     | 719407 | 100.0 | 63.9   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.6    | 0.0   | 39.6  |



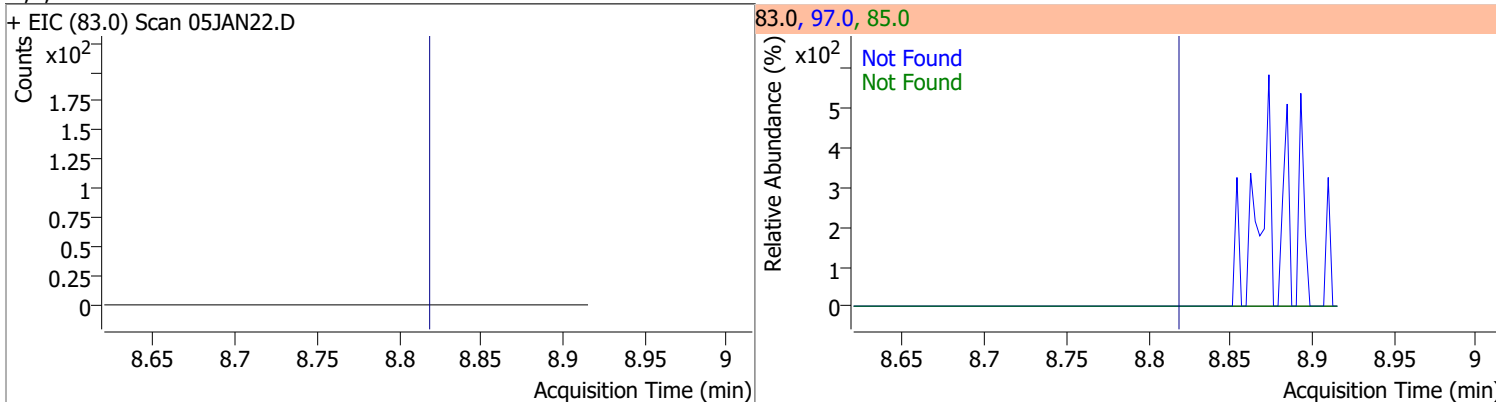
| Compound | Conc.  | RT   | Dev(Min) | Resp.   | QIon | QRatio | Lower | Upper |
|----------|--------|------|----------|---------|------|--------|-------|-------|
| Toluene  | 0.1414 | 8.38 | -0.01    | 260 (m) | 91.0 | 168.8  | 145.8 | 205.8 |



| Compound                  | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|---------------------------|-------|--------|------|-----------|------|-----------|
| trans-1,3-Dichloropropene | N.D.  | 8.64   | 39.0 | 53.4      | 77.0 | 32.4      |



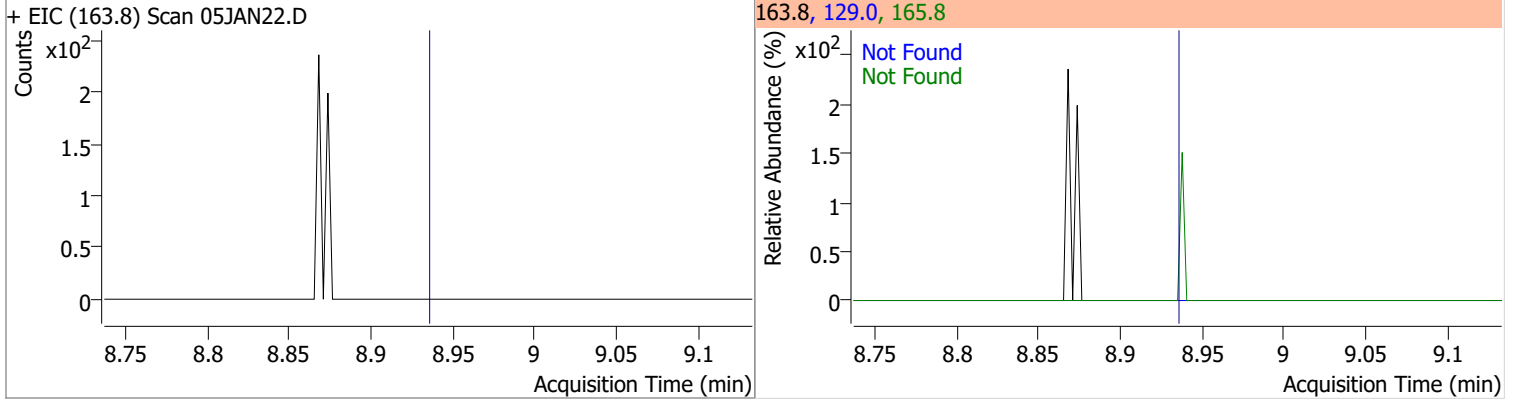
| Compound              | Conc. | Exp RT | QIon | Exp Ratio | QIon | Exp Ratio |
|-----------------------|-------|--------|------|-----------|------|-----------|
| 1,1,2-Trichloroethane | N.D.  | 8.82   | 97.0 | 114.6     | 85.0 | 67.6      |



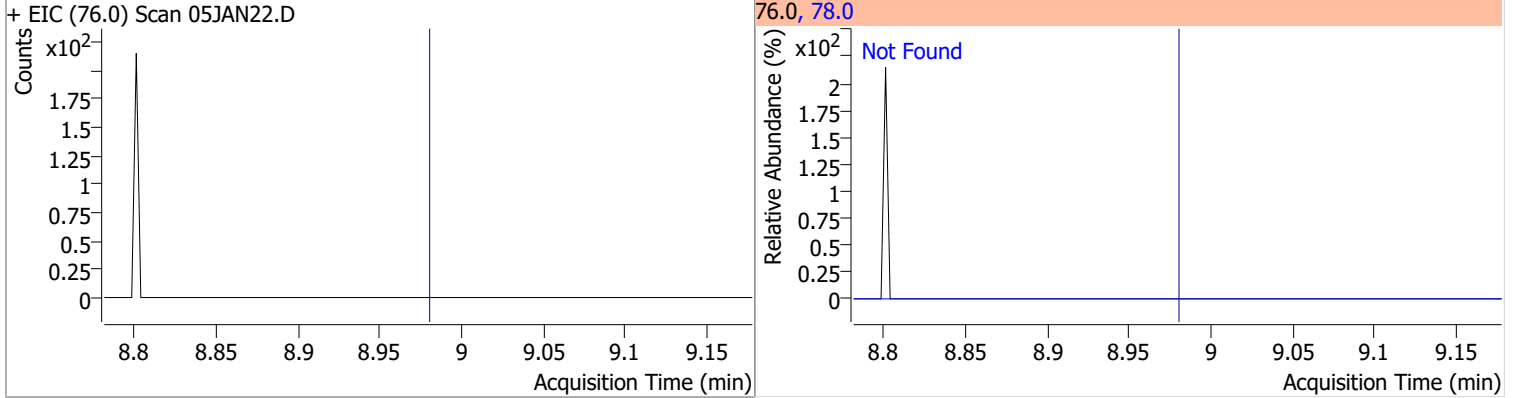


# Quantitation Results Report (QT Reviewed)

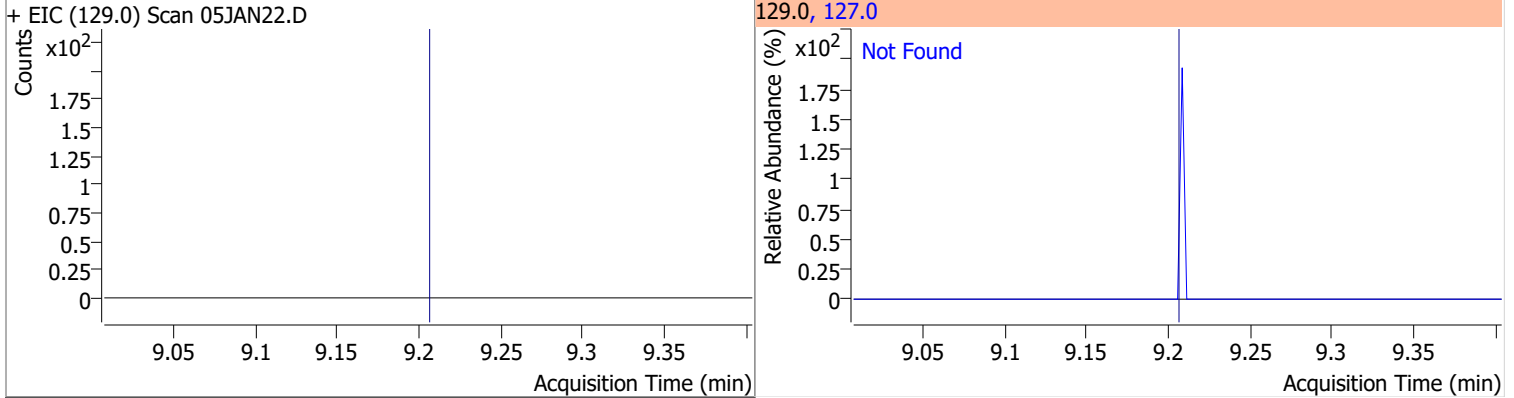
| Compound          | Conc. | Exp RT | QIon  | Exp Ratio | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|-------|-----------|
| Tetrachloroethene | N.D.  | 8.94   | 165.8 | 128.6     | 129.0 | 91.5      |



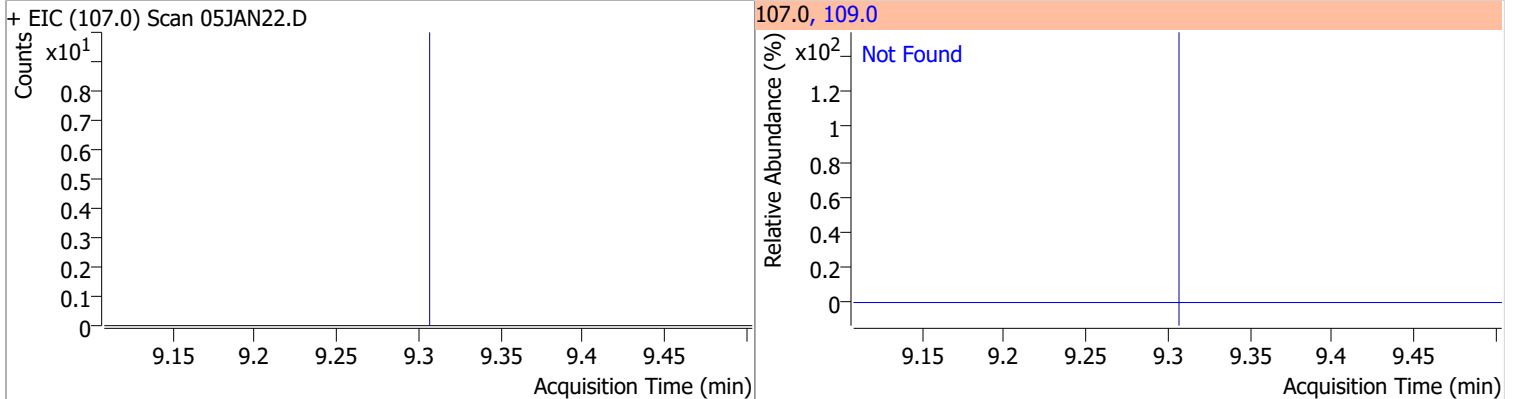
| Compound            | Conc. | Exp RT | QIon | Exp Ratio |
|---------------------|-------|--------|------|-----------|
| 1,3-Dichloropropane | N.D.  | 8.98   | 78.0 | 32.9      |



| Compound             | Conc. | Exp RT | QIon  | Exp Ratio |
|----------------------|-------|--------|-------|-----------|
| Chlorodibromomethane | N.D.  | 9.21   | 127.0 | 78.0      |

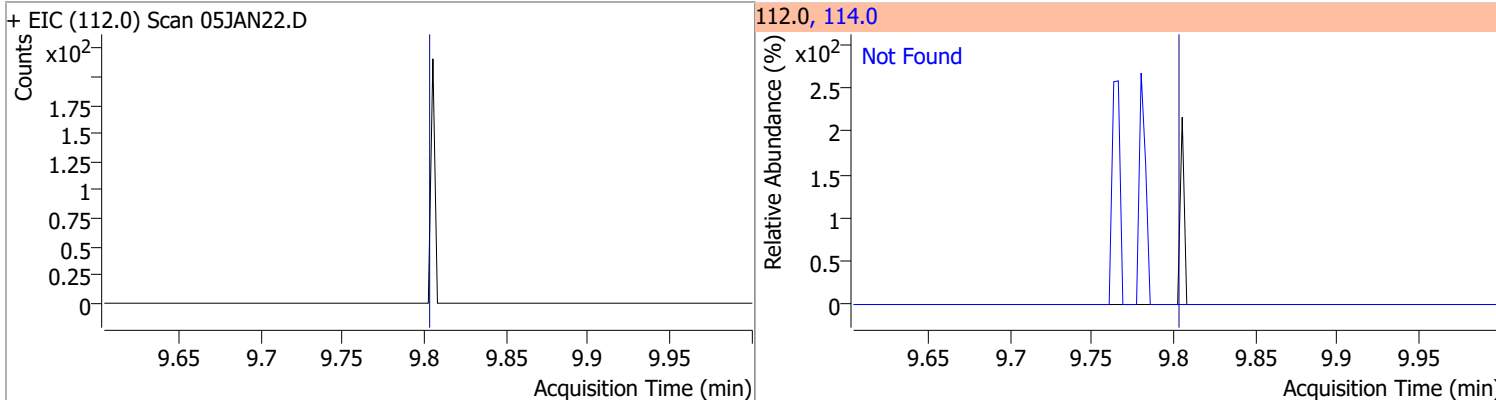


| Compound          | Conc. | Exp RT | QIon  | Exp Ratio |
|-------------------|-------|--------|-------|-----------|
| 1,2-Dibromoethane | N.D.  | 9.31   | 109.0 | 94.5      |

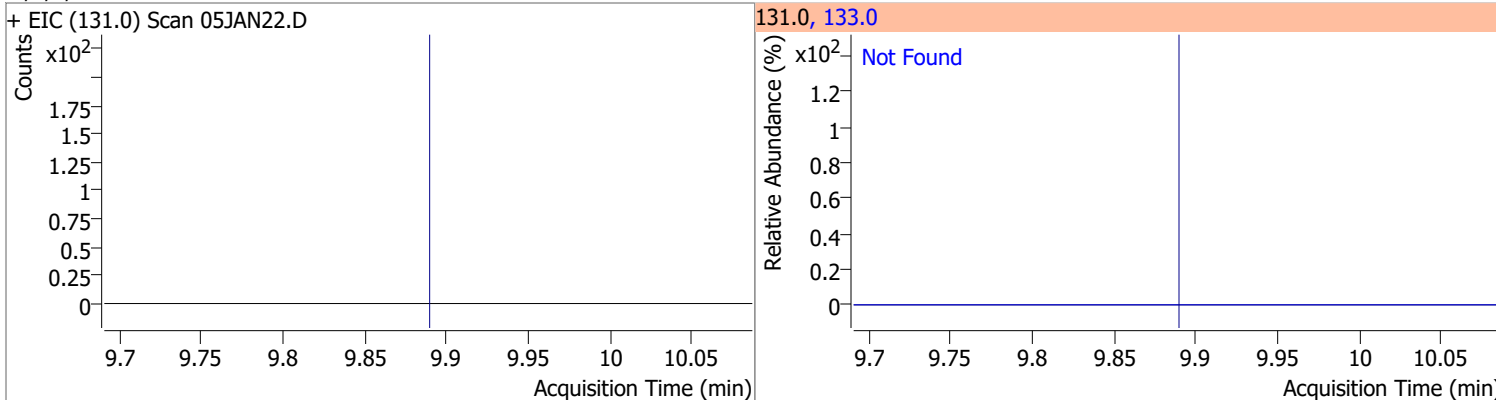


# Quantitation Results Report (QT Reviewed)

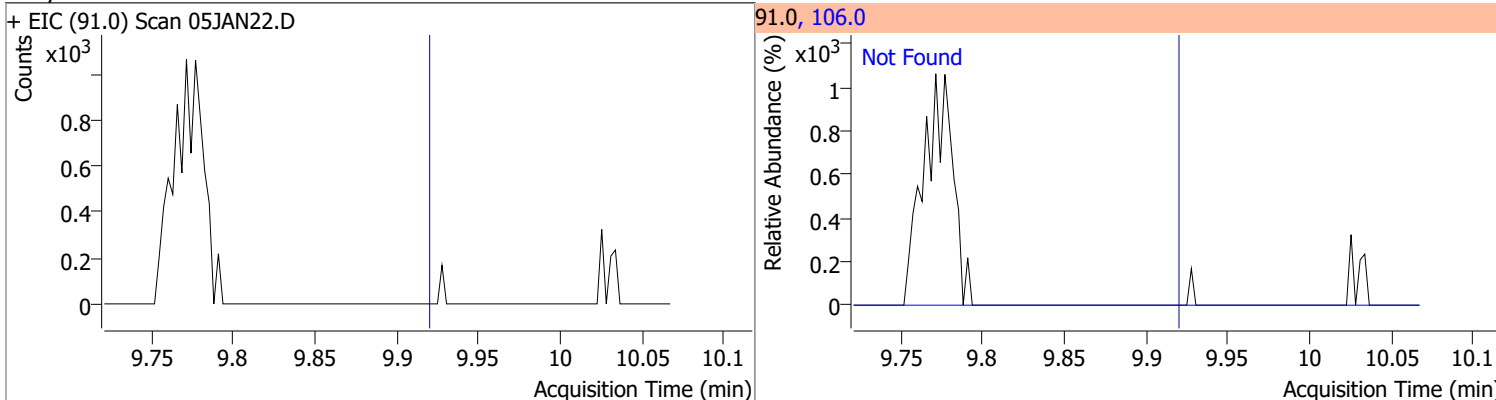
| Compound      | Conc. | Exp RT | QIon  | Exp Ratio |
|---------------|-------|--------|-------|-----------|
| Chlorobenzene | N.D.  | 9.80   | 114.0 | 32.1      |



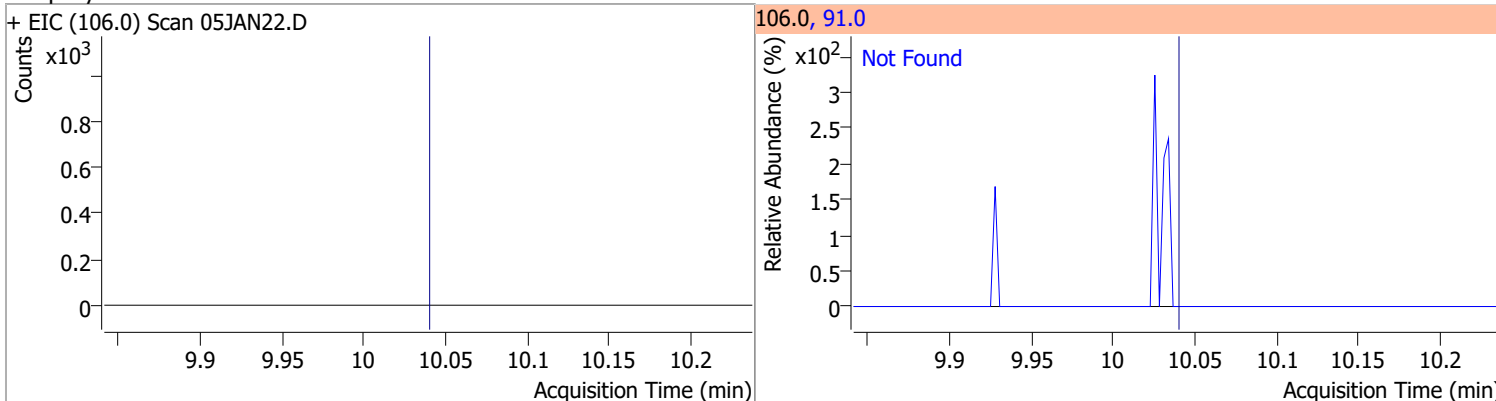
| Compound                  | Conc. | Exp RT | QIon  | Exp Ratio |
|---------------------------|-------|--------|-------|-----------|
| 1,1,1,2-Tetrachloroethane | N.D.  | 9.89   | 133.0 | 98.6      |



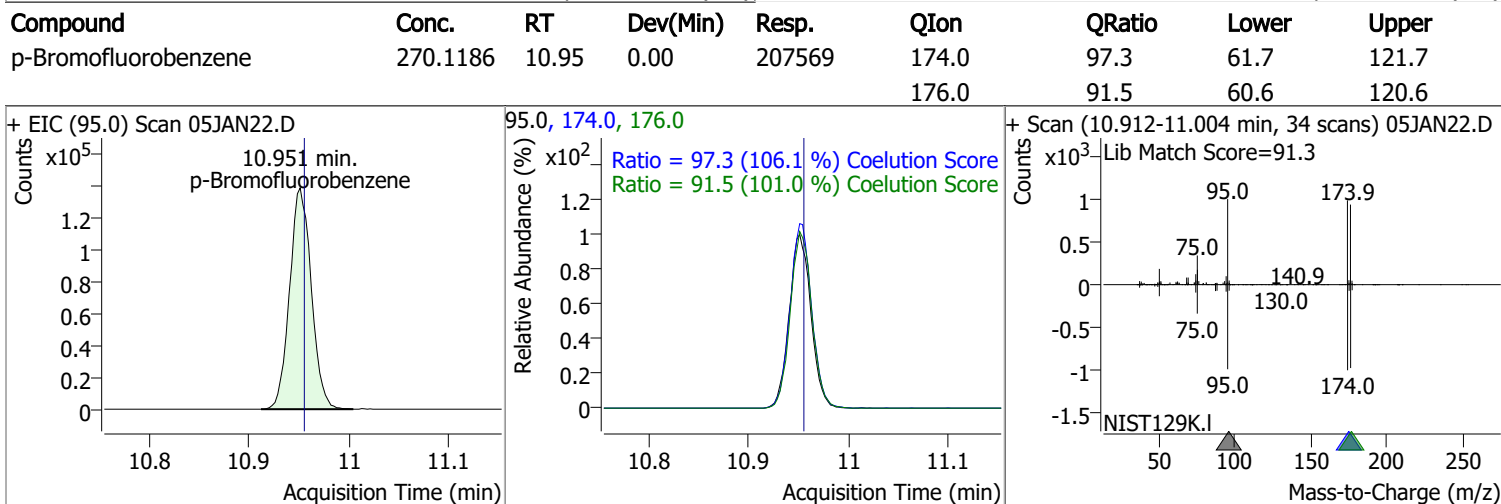
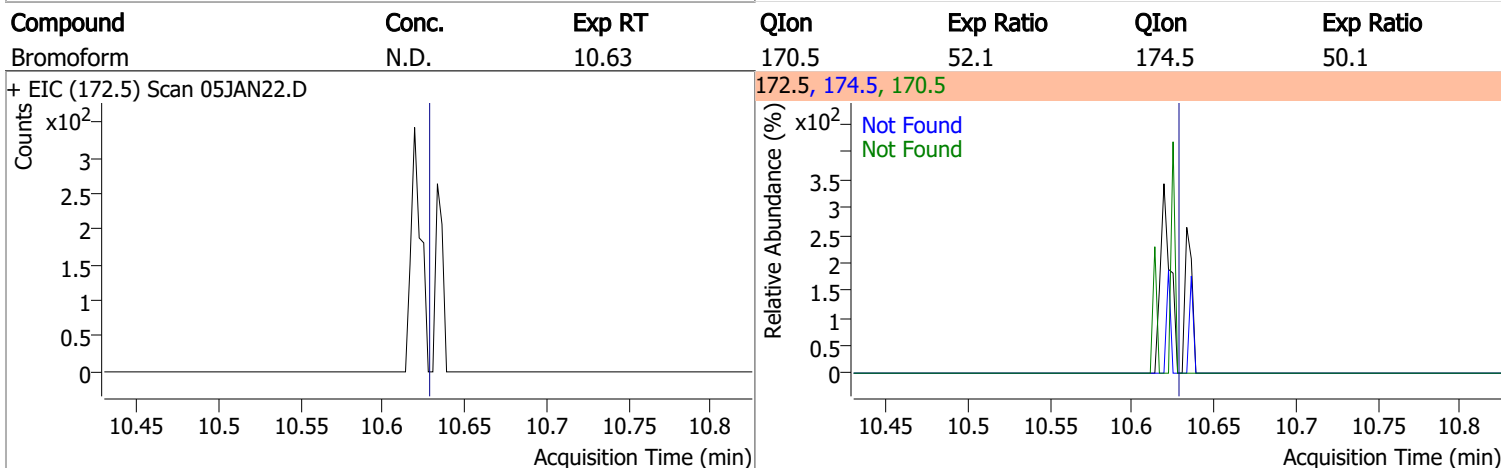
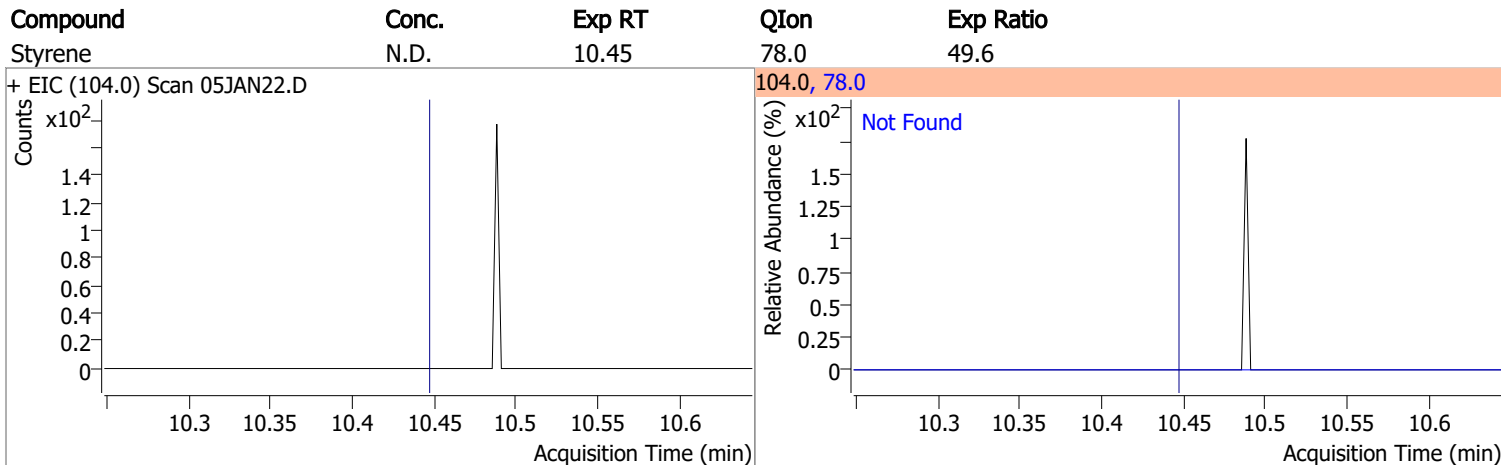
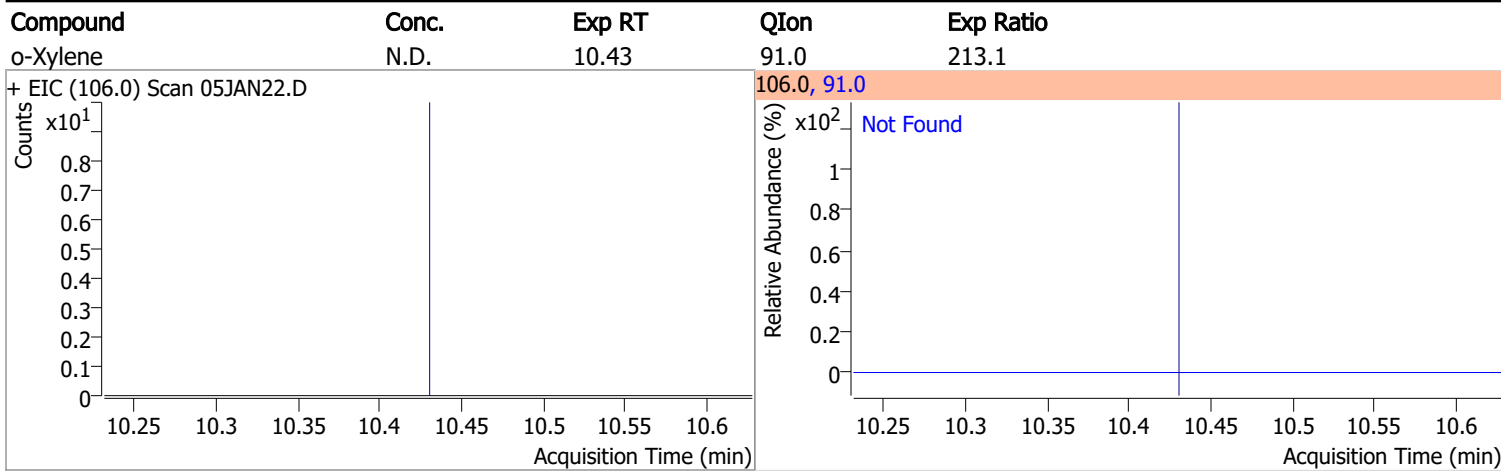
| Compound     | Conc. | Exp RT | QIon  | Exp Ratio |
|--------------|-------|--------|-------|-----------|
| Ethylbenzene | N.D.  | 9.92   | 106.0 | 31.1      |



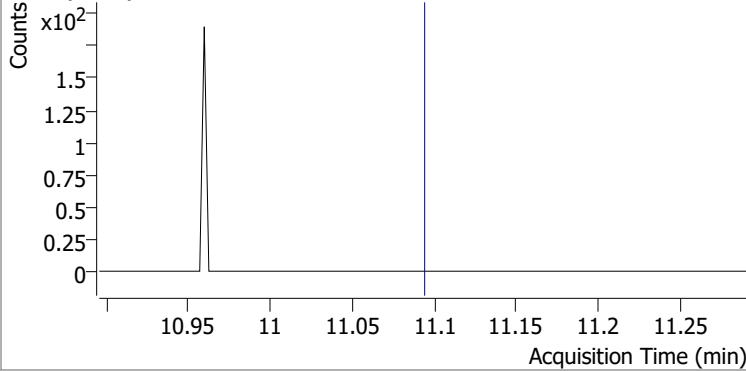
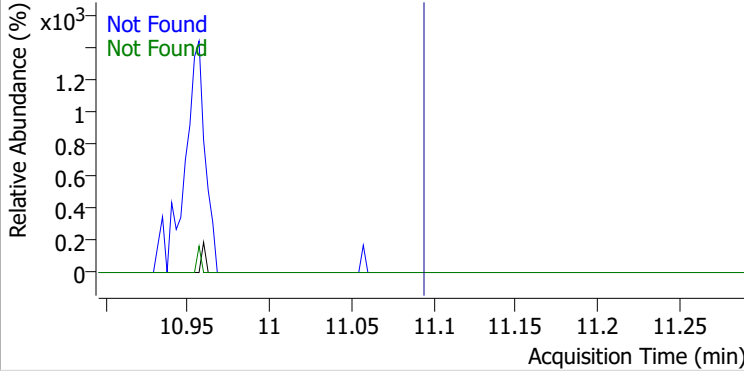
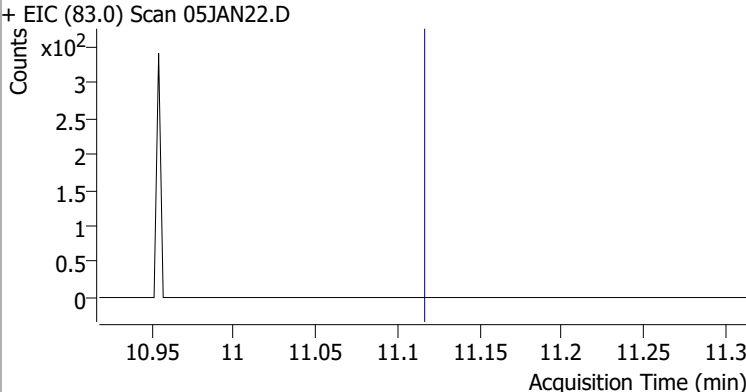
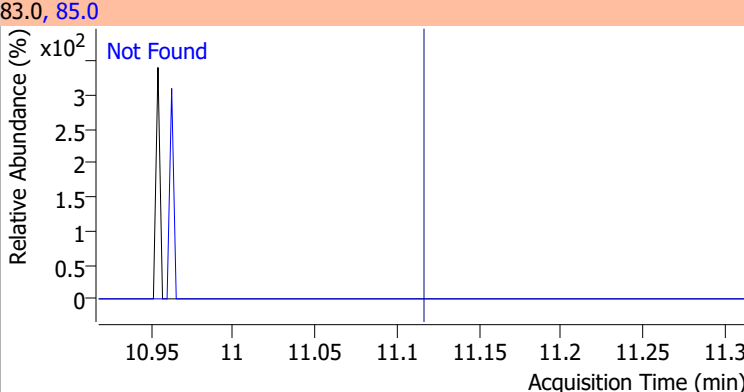
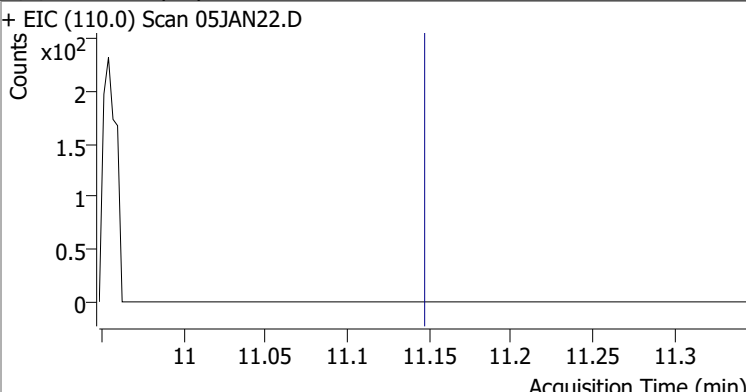
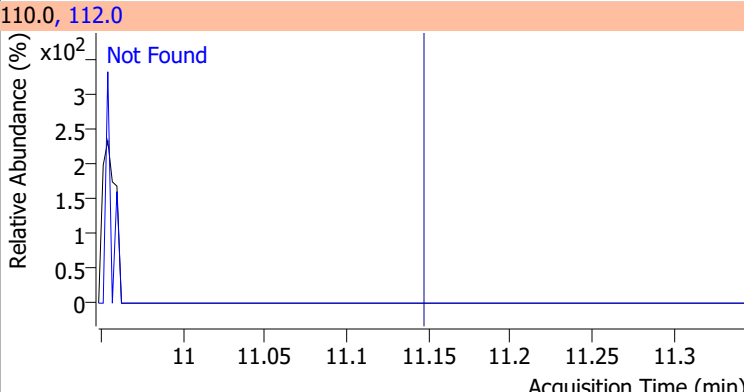
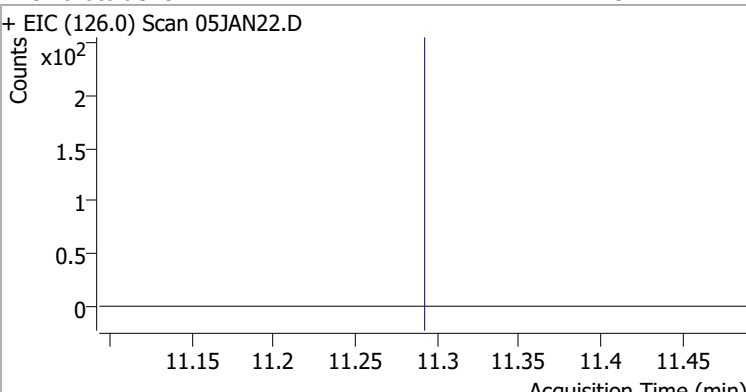
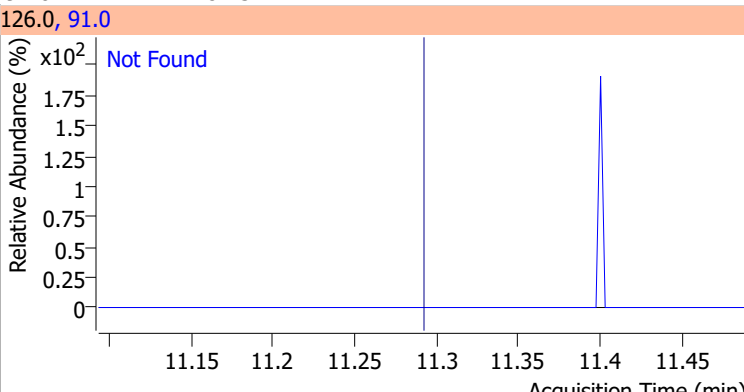
| Compound    | Conc. | Exp RT | QIon | Exp Ratio |
|-------------|-------|--------|------|-----------|
| m+p-Xylenes | N.D.  | 10.04  | 91.0 | 201.4     |



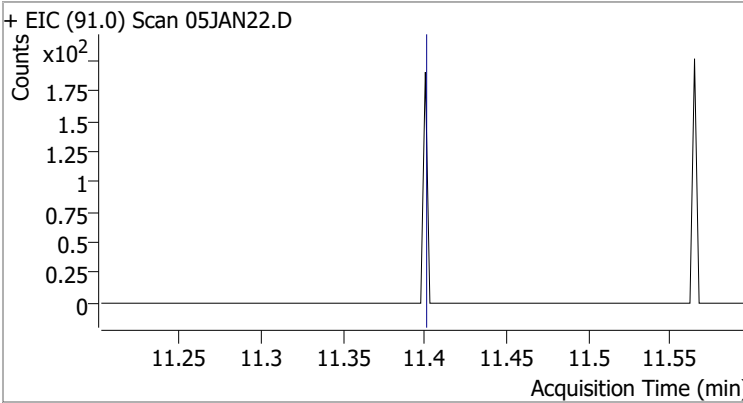
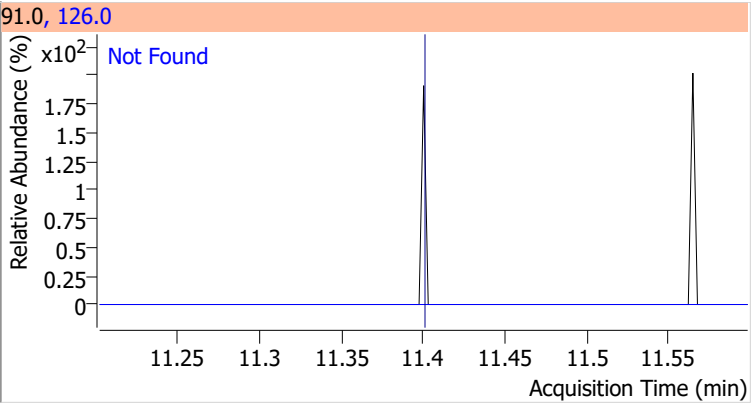
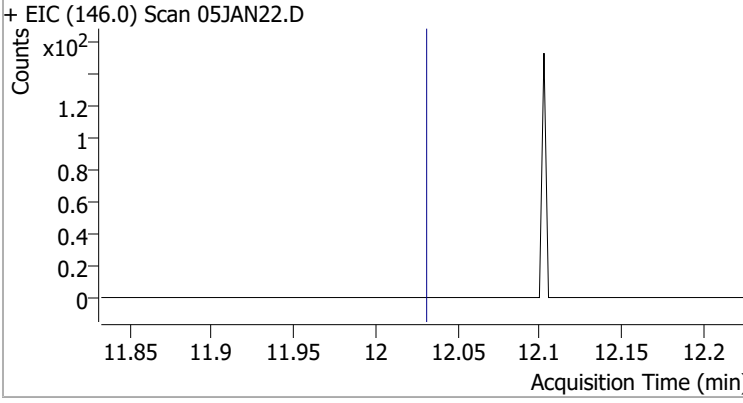
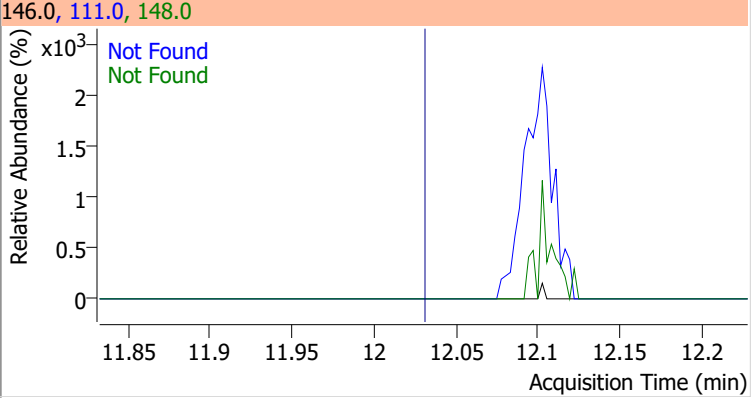
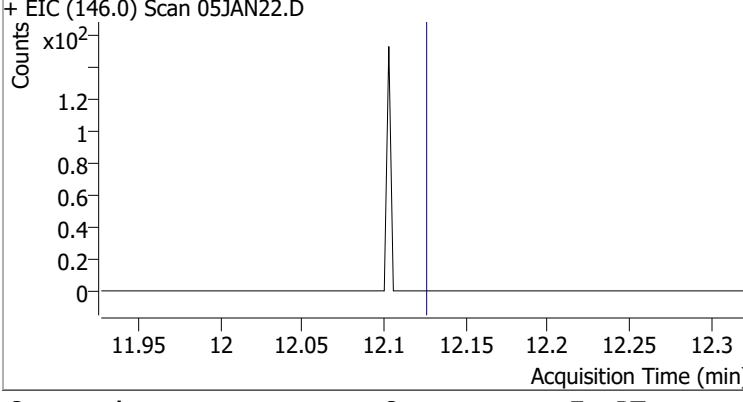
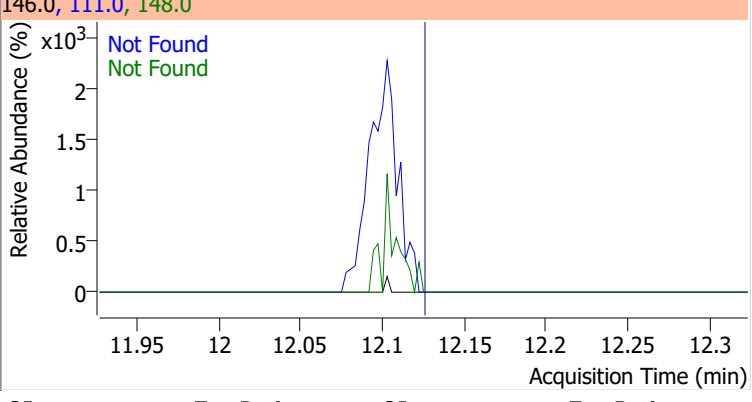
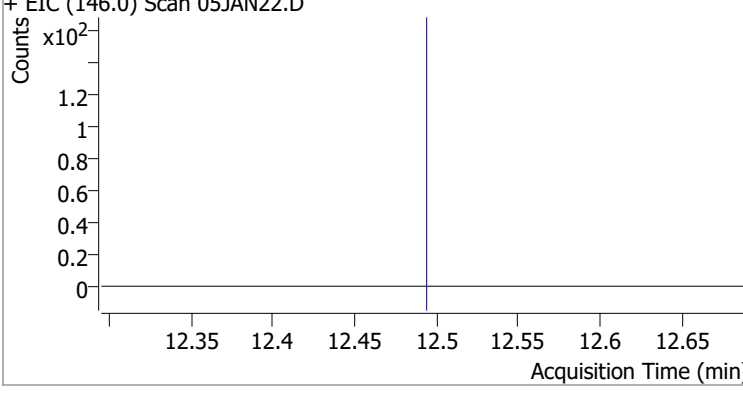
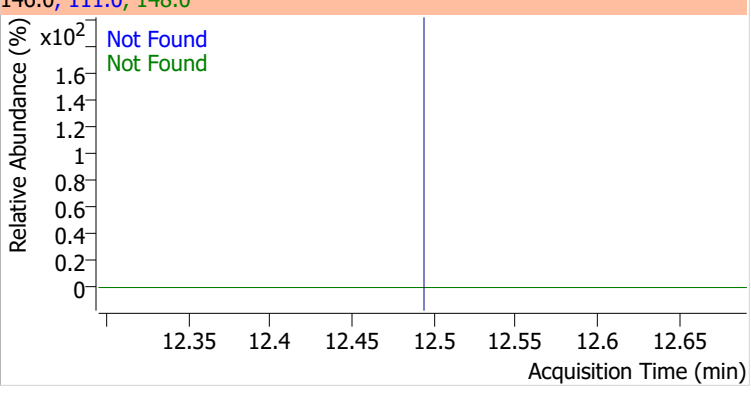
# Quantitation Results Report (QT Reviewed)



# Quantitation Results Report (QT Reviewed)

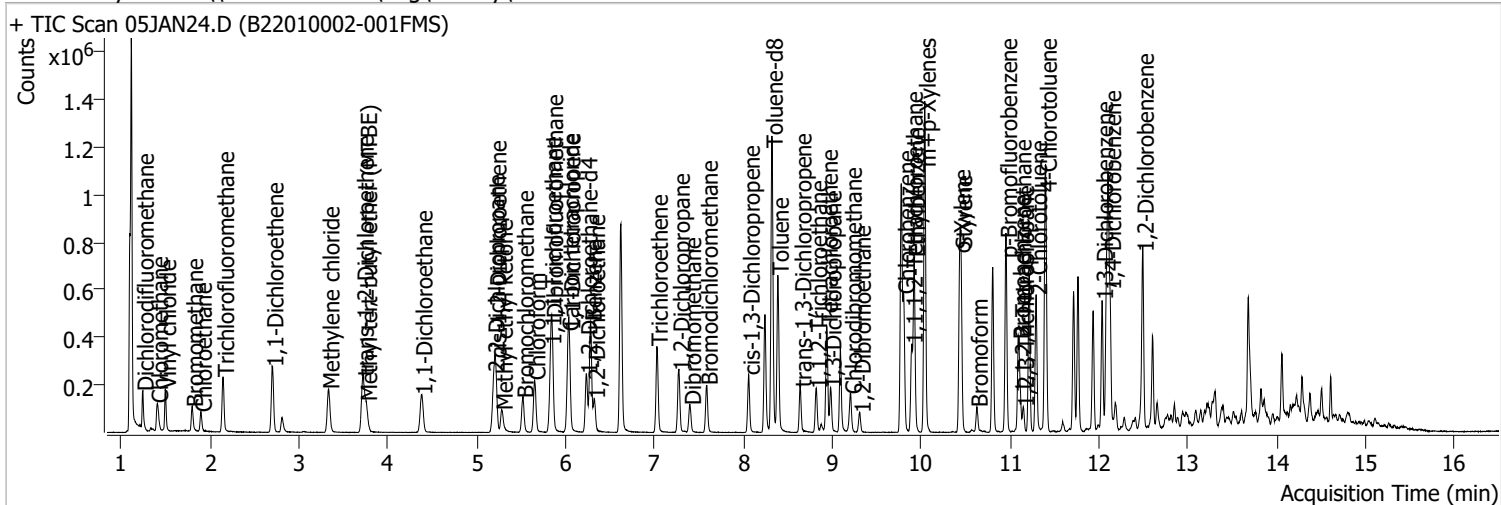
| Compound   | Conc. | Exp RT | QIon   | Exp Ratio | QIon  | Exp Ratio |
|--|-------|--------|--|-----------|-------|-----------|
| Bromobenzene   | N.D.  | 11.09  | 77.0   | 145.7     | 158.0 | 96.5      |
| + EIC (156.0) Scan 05JAN22.D   |       |        | 156.0, 77.0, 158.0   |           |       |           |
|    |       |        |    |           |       |           |
| 1,1,2,2-Tetrachloroethane  | N.D.  | 11.12  | 85.0   | 66.2      |       |           |
| + EIC (83.0) Scan 05JAN22.D  |       |        | 83.0, 85.0   |           |       |           |
|   |       |        |   |           |       |           |
| 1,2,3-Trichloropropane   | N.D.  | 11.15  | 112.0  | 63.5      |       |           |
| + EIC (110.0) Scan 05JAN22.D   |       |        | 110.0, 112.0   |           |       |           |
|  |       |        |  |           |       |           |
| 2-Chlorotoluene  | N.D.  | 11.29  | 91.0   | 282.3     |       |           |
| + EIC (126.0) Scan 05JAN22.D   |       |        | 126.0, 91.0  |           |       |           |
|  |       |        |  |           |       |           |

# Quantitation Results Report (QT Reviewed)

| Compound   | Conc. | Exp RT | QIon   | Exp Ratio |      |           |
|--|-------|--------|--|-----------|------|-----------|
| 4-Chlorotoluene  | N.D.  | 11.40  | 126.0  | 31.7      |      |           |
| + EIC (91.0) Scan 05JAN22.D  |       |        | 91.0, 126.0  |           |      |           |
|    |       |        |    |           |      |           |
| 1,3-Dichlorobenzene  | N.D.  | 12.03  | 148.0  | 63.6      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN22.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|   |       |        |   |           |      |           |
| 1,4-Dichlorobenzene  | N.D.  | 12.13  | 148.0  | 63.1      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN22.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |
| 1,2-Dichlorobenzene  | N.D.  | 12.49  | 148.0  | 63.9      | QIon | Exp Ratio |
| + EIC (146.0) Scan 05JAN22.D   |       |        | 146.0, 111.0, 148.0  |           |      |           |
|  |       |        |  |           |      |           |

# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN24.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 8:33:23 PM   |
| Sample Name    | B22010002-001FMS                    | Instrument        | VOA5975C              |
| Vial           | 24                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.l |                   |                       |



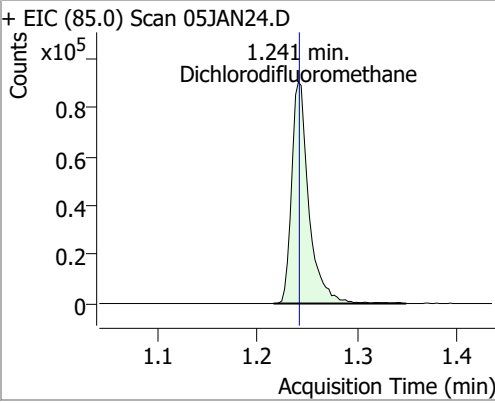
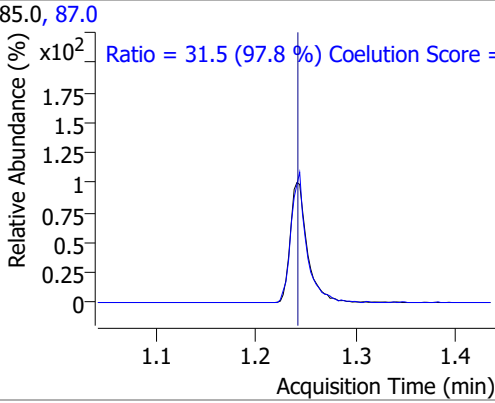
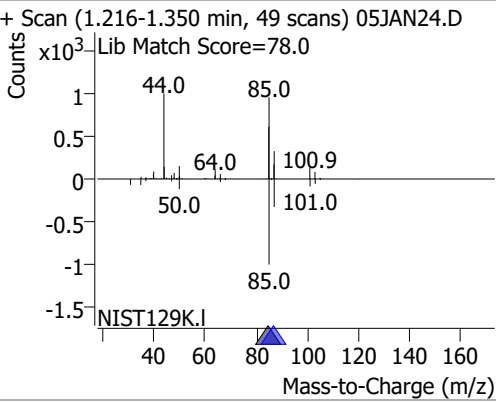
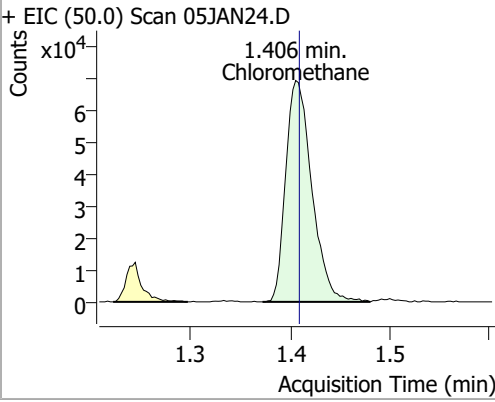
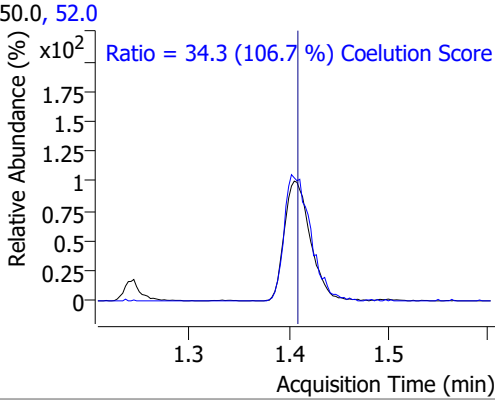
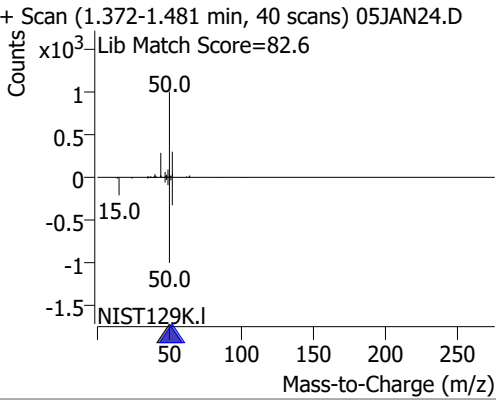
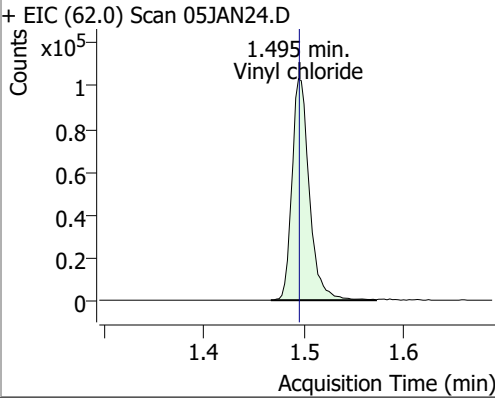
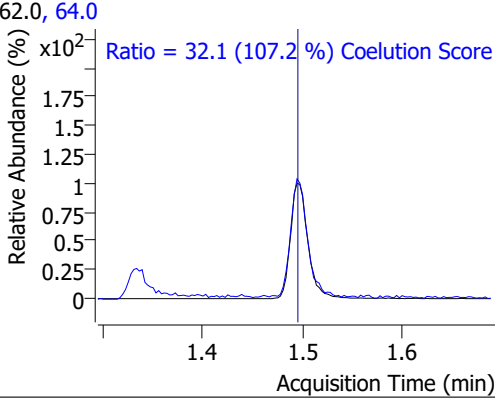
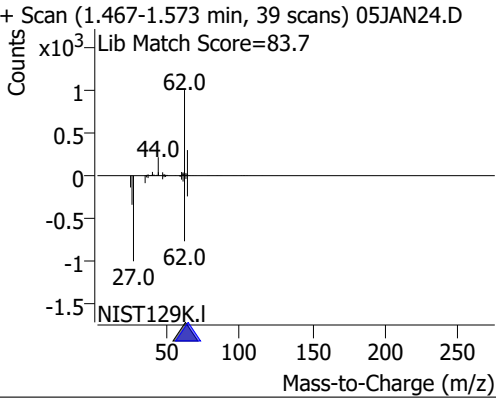
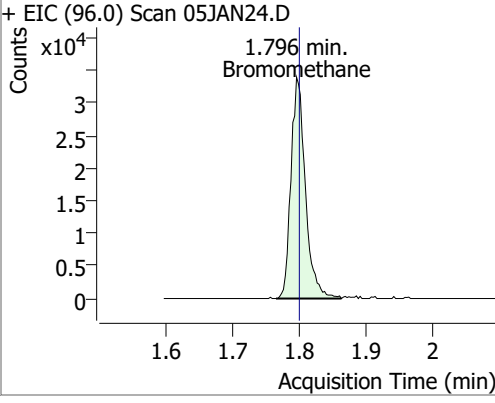
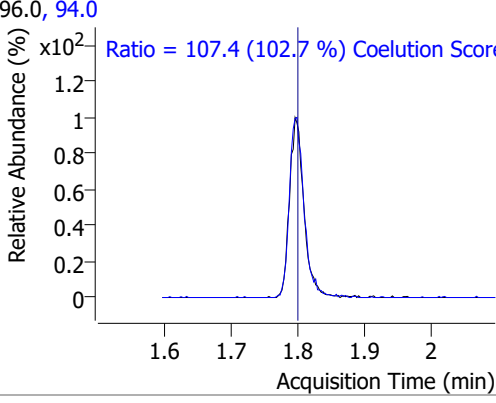
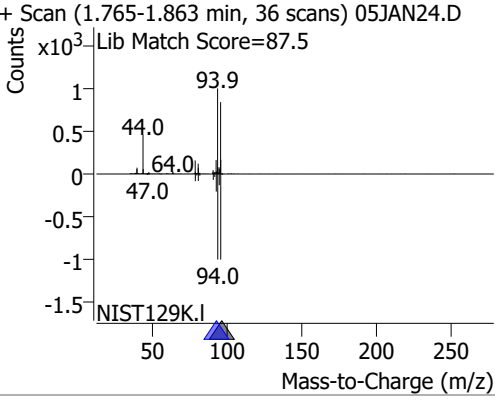
| Compound                           | RT     | QIon  | Resp.  | Conc.                | Units              | Dev(Min) |
|------------------------------------|--------|-------|--------|----------------------|--------------------|----------|
| <b>Internal Standards</b>          |        |       |        |                      |                    |          |
| M Fluorobenzene                    | 6.620  | 96.0  | 756264 | 250.0000             | ng                 | -0.003   |
| M Chlorobenzene-d5                 | 9.772  | 82.0  | 287819 | 250.0000             | ng                 | 0.000    |
| M 1,4-Dichlorobenzene-d4           | 12.100 | 152.0 | 241673 | 250.0000             | ng                 | 0.000    |
| <b>System Monitoring Compounds</b> |        |       |        |                      |                    |          |
| S Dibromofluoromethane             | 5.845  | 113.0 | 195441 | 274.3119             | ng                 | 0.000    |
| Spiked Amount: 250.000             |        |       |        | Range: 80.0 - 119.0% | Recovery = 109.72% |          |
| S 1,2-Dichloroethane-d4            | 6.233  | 67.0  | 86697  | 281.7226             | ng                 | 0.000    |
| Spiked Amount: 250.000             |        |       |        | Range: 81.0 - 118.0% | Recovery = 112.69% |          |
| S Toluene-d8                       | 8.319  | 98.0  | 774338 | 279.1845             | ng                 | 0.000    |
| Spiked Amount: 250.000             |        |       |        | Range: 89.0 - 112.0% | Recovery = 111.67% |          |
| S p-Bromofluorobenzene             | 10.954 | 95.0  | 232802 | 262.9425             | ng                 | 0.000    |
| Spiked Amount: 250.000             |        |       |        | Range: 85.0 - 114.0% | Recovery = 105.18% |          |
| <b>Target Compounds</b>            |        |       |        |                      |                    |          |
| T Dichlorodifluoromethane          | 1.241  | 85.0  | 109042 | 110.0287             | ng                 | 99       |
| T Chloromethane                    | 1.406  | 50.0  | 127386 | 105.9017             | ng                 | 96       |
| T Vinyl chloride                   | 1.495  | 62.0  | 125903 | 116.3238             | ng                 | 96       |
| T Bromomethane                     | 1.796  | 96.0  | 50718  | 104.7949             | ng                 | 97       |
| T Chloroethane                     | 1.894  | 64.0  | 56380  | 105.2206             | ng                 | 99       |
| T Trichlorofluoromethane           | 2.145  | 101.0 | 161834 | 120.4631             | ng                 | 98       |
| T 1,1-Dichloroethene               | 2.702  | 96.0  | 99653  | 130.8181             | ng                 | 97       |
| T Methylene chloride               | 3.333  | 49.0  | 135258 | 120.4467             | ng                 | 98       |
| T trans-1,2-Dichloroethene         | 3.717  | 96.0  | 100073 | 128.7656             | ng                 | 99       |
| T Methyl tert-butyl ether (MTBE)   | 3.756  | 73.0  | 136404 | 135.7867             | ng                 | 99       |
| T 1,1-Dichloroethane               | 4.376  | 63.0  | 190421 | 131.6317             | ng                 | 99       |
| T 2,2-Dichloropropane              | 5.190  | 77.0  | 135112 | 124.6457             | ng                 | 98       |
| T cis-1,2-Dichloroethene           | 5.209  | 96.0  | 102488 | 130.0704             | ng                 | 95       |
| T Methyl ethyl ketone              | 5.282  | 43.0  | 130330 | 1221.1260            | ng                 | 100      |
| T Bromochloromethane               | 5.516  | 128.0 | 40412  | 123.8026             | ng                 | 98       |
| T Chloroform                       | 5.650  | 83.0  | 177003 | 122.9455             | ng                 | 98       |

# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.  | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|--------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.828  | 97.0  | 171098 | 126.8131 | ng    | 99       |
| T Carbon tetrachloride      | 6.026  | 117.0 | 165149 | 124.2342 | ng    | 100      |
| T 1,1-Dichloropropene       | 6.040  | 75.0  | 136382 | 118.8843 | ng    | 99       |
| T Benzene                   | 6.280  | 78.0  | 388978 | 129.1809 | ng    | 99       |
| T 1,2-Dichloroethane        | 6.319  | 62.0  | 100627 | 123.5320 | ng    | 99       |
| T Trichloroethene           | 7.025  | 95.0  | 110300 | 127.0700 | ng    | 100      |
| T 1,2-Dichloropropane       | 7.270  | 63.0  | 94289  | 123.4882 | ng    | 97       |
| T Dibromomethane            | 7.398  | 93.0  | 41507  | 128.6376 | ng    | 97       |
| T Bromodichloromethane      | 7.585  | 83.0  | 116127 | 130.4078 | ng    | 100      |
| T cis-1,3-Dichloropropene   | 8.059  | 75.0  | 115531 | 114.7487 | ng    | 98       |
| T Toluene                   | 8.386  | 92.0  | 244059 | 130.2658 | ng    | 99       |
| T trans-1,3-Dichloropropene | 8.639  | 75.0  | 91823  | 128.1244 | ng    | 97       |
| T 1,1,2-Trichloroethane     | 8.815  | 83.0  | 46926  | 125.7078 | ng    | 97       |
| T Tetrachloroethene         | 8.935  | 163.8 | 95413  | 124.8305 | ng    | 100      |
| T 1,3-Dichloropropane       | 8.977  | 76.0  | 89907  | 122.4461 | ng    | 100      |
| T Chlorodibromomethane      | 9.205  | 129.0 | 76710  | 131.4839 | ng    | 97       |
| T 1,2-Dibromoethane         | 9.309  | 107.0 | 50897  | 124.6965 | ng    | 99       |
| T Chlorobenzene             | 9.802  | 112.0 | 258411 | 125.9819 | ng    | 99       |
| T 1,1,1,2-Tetrachloroethane | 9.891  | 131.0 | 89119  | 124.2913 | ng    | 99       |
| T Ethylbenzene              | 9.919  | 91.0  | 451644 | 126.9581 | ng    | 99       |
| T m+p-Xylenes               | 10.039 | 106.0 | 356274 | 257.7097 | ng    | 99       |
| T o-Xylene                  | 10.430 | 106.0 | 159934 | 129.9530 | ng    | 99       |
| T Styrene                   | 10.446 | 104.0 | 264262 | 133.3667 | ng    | 99       |
| T Bromoform                 | 10.625 | 172.5 | 43697  | 141.2955 | ng    | 99       |
| T Bromobenzene              | 11.096 | 156.0 | 102340 | 130.8500 | ng    | 99       |
| T 1,1,2,2-Tetrachloroethane | 11.116 | 83.0  | 58545  | 130.0529 | ng    | 95       |
| T 1,2,3-Trichloropropane    | 11.146 | 110.0 | 14953  | 124.1417 | ng    | 99       |
| T 2-Chlorotoluene           | 11.291 | 126.0 | 102259 | 131.4038 | ng    | 99       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 334790 | 131.9477 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 183212 | 128.4415 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.122 | 146.0 | 185434 | 127.4942 | ng    | 99       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 153320 | 127.1837 | ng    | 99       |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

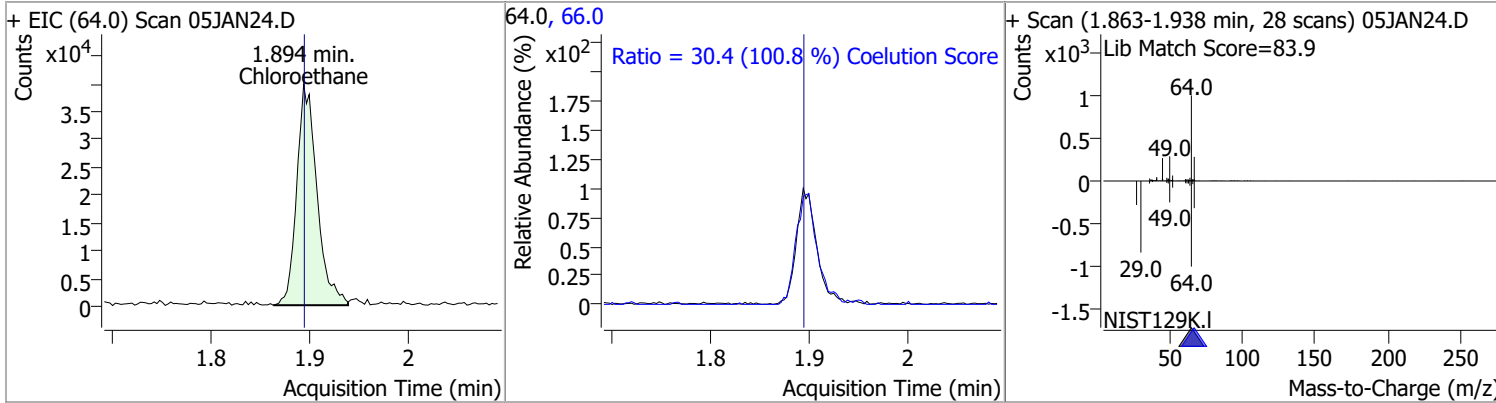
# Quantitation Results Report (QT Reviewed)

| Compound  | Conc.    | RT   | Dev(Min)   | Resp.  | QIon | QRatio  | Lower | Upper |
|---|----------|------|--|--------|------|---|-------|-------|
| Dichlorodifluoromethane   | 110.0287 | 1.24 | 0.00   | 109042 | 87.0 | 31.5  | 2.3   | 62.3  |
| + EIC (85.0) Scan 05JAN24.D<br>   |          |      | 85.0, 87.0<br>   |        |      | + Scan (1.216-1.350 min, 49 scans) 05JAN24.D<br>Lib Match Score=78.0<br>   |       |       |
| Chloromethane   | 105.9017 | 1.41 | 0.00   | 127386 | 52.0 | 34.3  | 2.1   | 62.1  |
| + EIC (50.0) Scan 05JAN24.D<br>  |          |      | 50.0, 52.0<br>  |        |      | + Scan (1.372-1.481 min, 40 scans) 05JAN24.D<br>Lib Match Score=82.6<br>  |       |       |
| Vinyl chloride  | 116.3238 | 1.49 | 0.00   | 125903 | 64.0 | 32.1  | 0.0   | 59.9  |
| + EIC (62.0) Scan 05JAN24.D<br> |          |      | 62.0, 64.0<br> |        |      | + Scan (1.467-1.573 min, 39 scans) 05JAN24.D<br>Lib Match Score=83.7<br> |       |       |
| Bromomethane  | 104.7949 | 1.80 | 0.00   | 50718  | 94.0 | 107.4   | 74.6  | 134.6 |
| + EIC (96.0) Scan 05JAN24.D<br> |          |      | 96.0, 94.0<br> |        |      | + Scan (1.765-1.863 min, 36 scans) 05JAN24.D<br>Lib Match Score=87.5<br> |       |       |

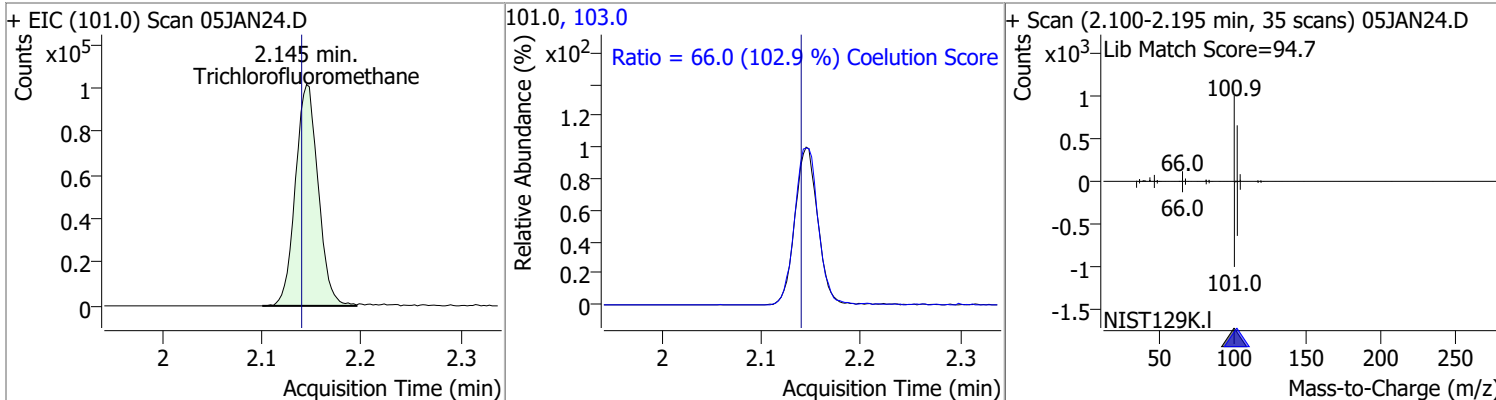


# Quantitation Results Report (QT Reviewed)

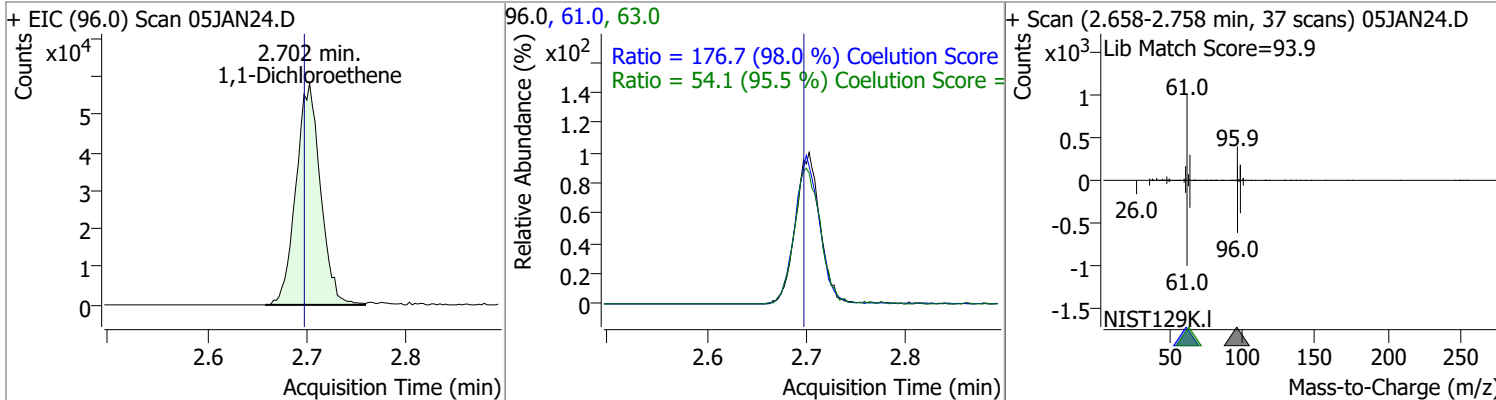
| Compound     | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|-------|------|--------|-------|-------|
| Chloroethane | 105.2206 | 1.89 | 0.00     | 56380 | 66.0 | 30.4   | 0.1   | 60.1  |



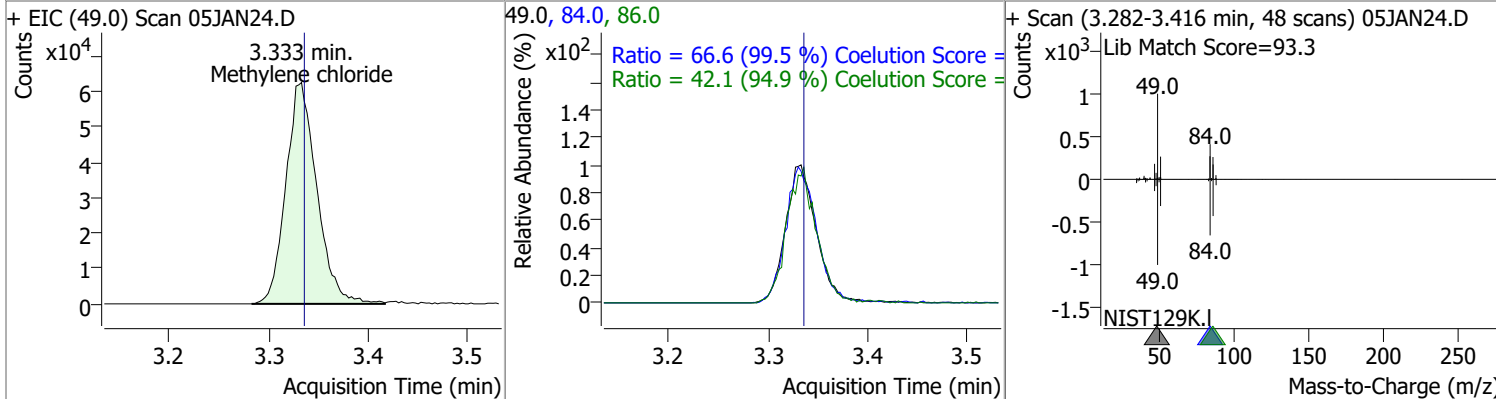
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichlorofluoromethane | 120.4631 | 2.14 | 0.00     | 161834 | 103.0 | 66.0   | 34.2  | 94.2  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1-Dichloroethene | 130.8181 | 2.70 | 0.01     | 99653 | 61.0 | 176.7  | 150.3 | 210.3 |
|                    |          |      |          |       | 63.0 | 54.1   | 26.7  | 86.7  |

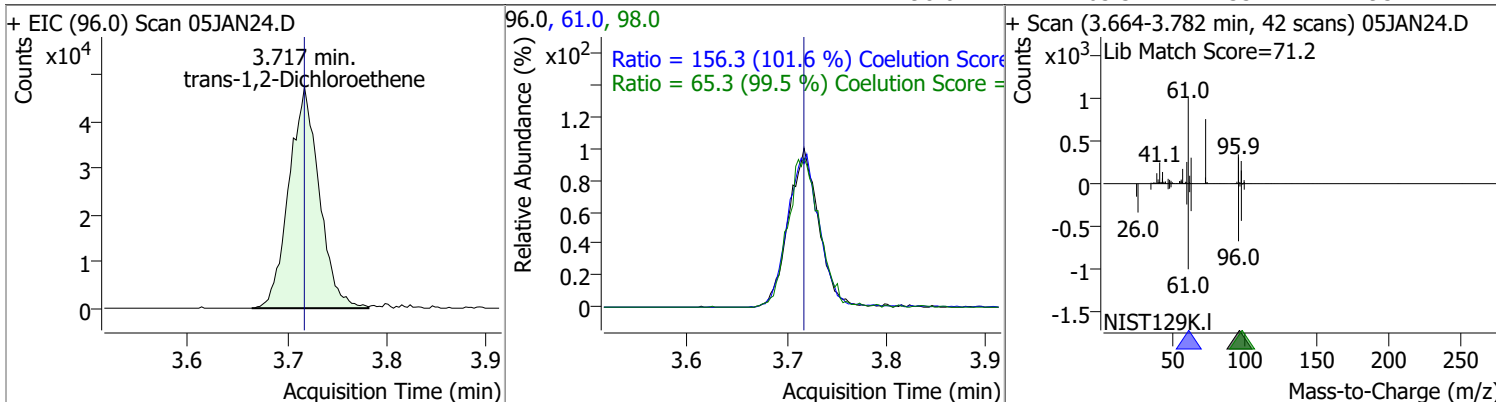


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methylene chloride | 120.4467 | 3.33 | 0.00     | 135258 | 84.0 | 66.6   | 36.9  | 96.9  |
|                    |          |      |          |        | 86.0 | 42.1   | 14.3  | 74.3  |

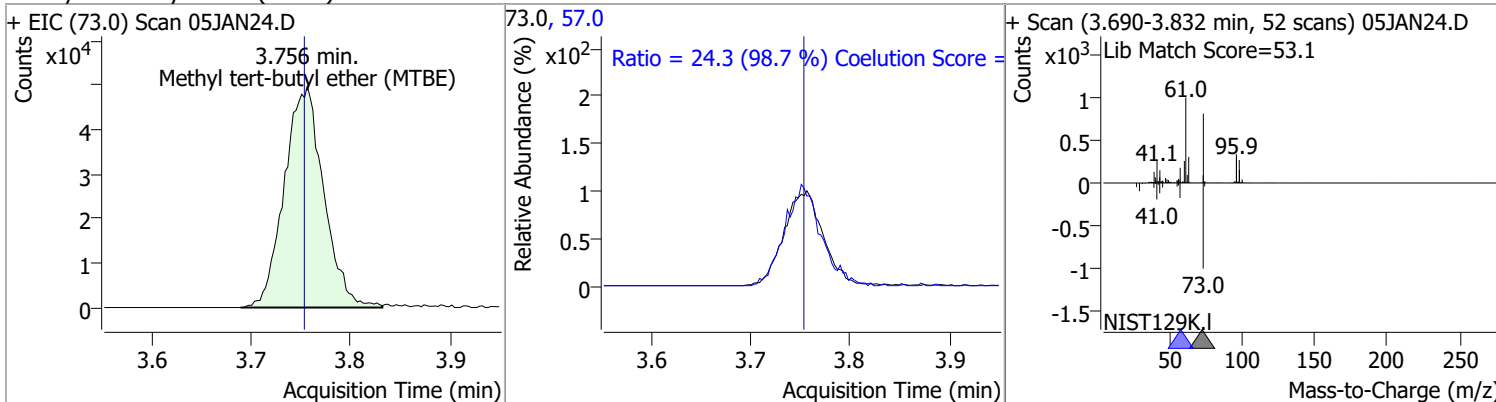


# Quantitation Results Report (QT Reviewed)

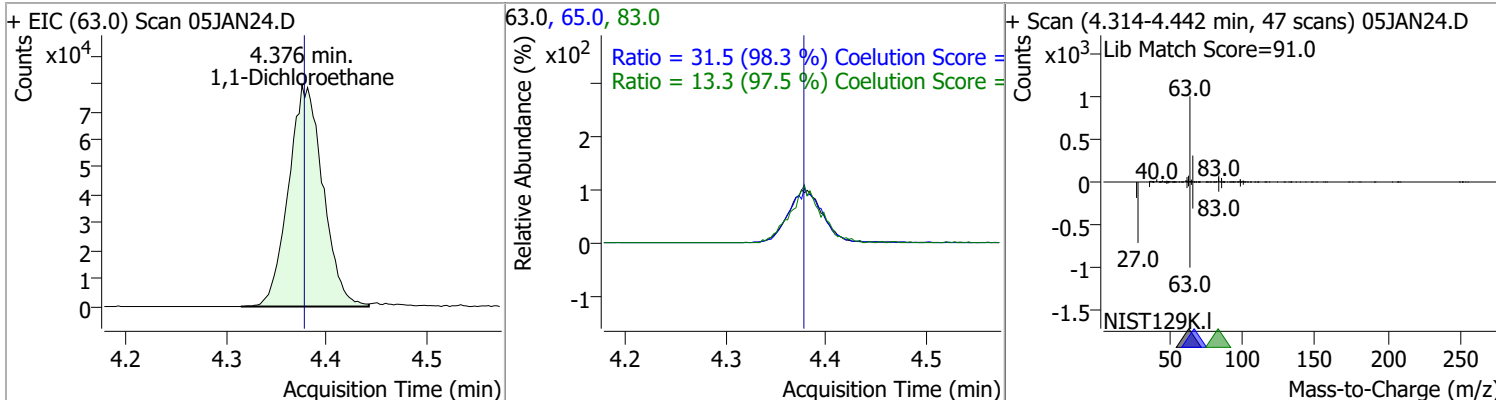
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 128.7656 | 3.72 | 0.00     | 100073 | 61.0 | 156.3  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 65.3   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 135.7867 | 3.76 | 0.00     | 136404 | 57.0 | 24.3   | 0.0   | 54.6  |

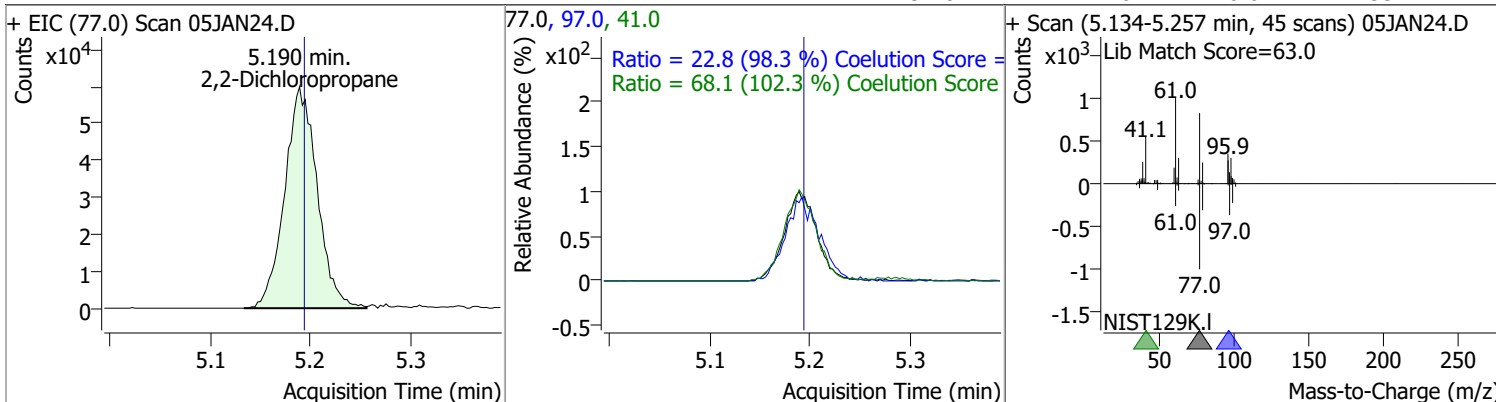


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 131.6317 | 4.38 | 0.00     | 190421 | 65.0 | 31.5   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 13.3   | 0.0   | 43.7  |

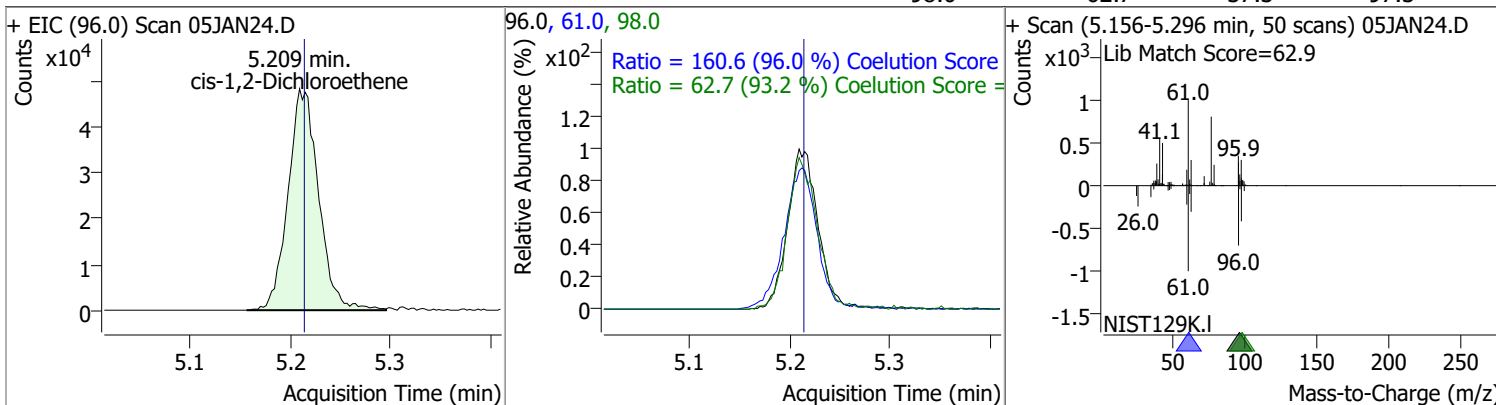


# Quantitation Results Report (QT Reviewed)

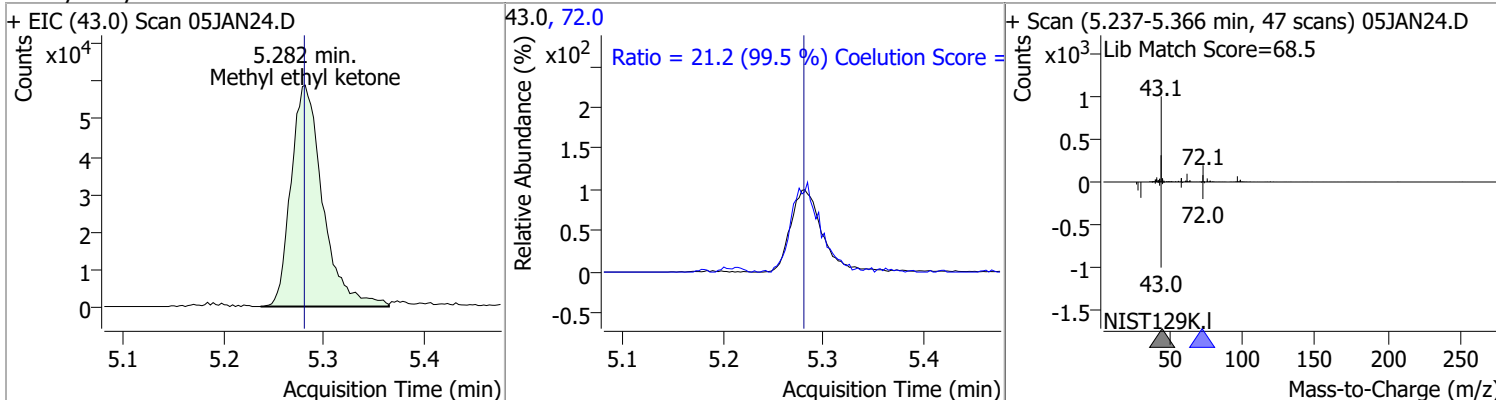
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 124.6457 | 5.19 | -0.01    | 135112 | 41.0 | 68.1   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 22.8   | 0.0   | 53.2  |



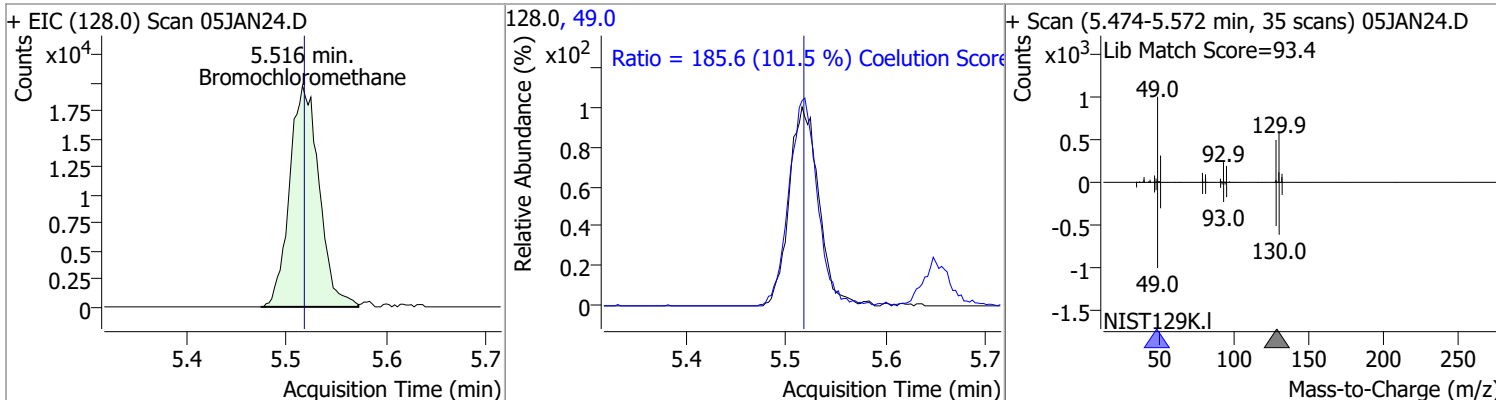
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 130.0704 | 5.21 | -0.01    | 102488 | 61.0 | 160.6  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 62.7   | 37.3  | 97.3  |



| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 1221.1260 | 5.28 | 0.00     | 130330 | 72.0 | 21.2   | 0.0   | 51.3  |

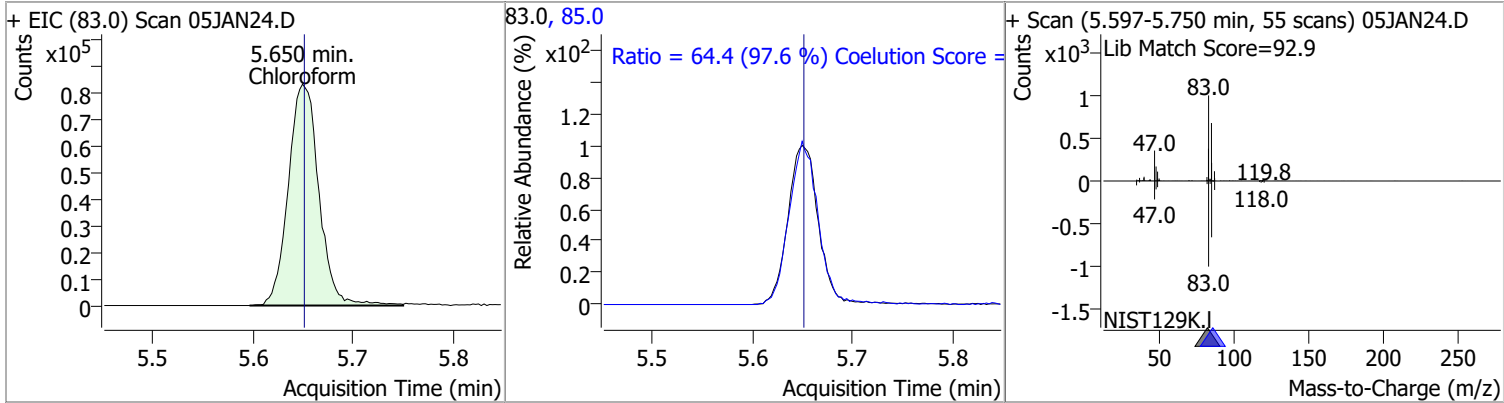


| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 123.8026 | 5.52 | 0.00     | 40412 | 49.0 | 185.6  | 152.9 | 212.9 |

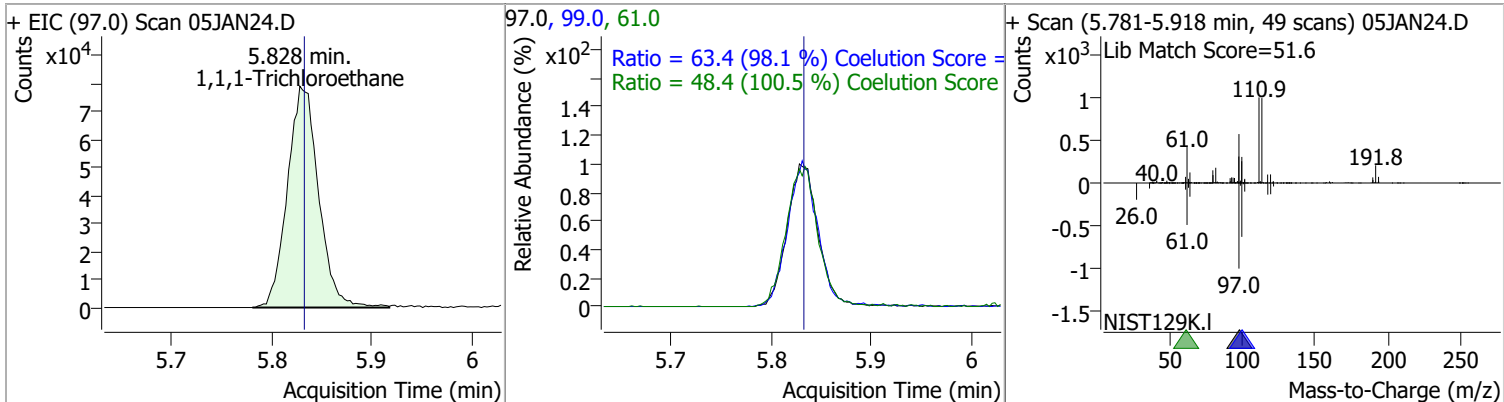


# Quantitation Results Report (QT Reviewed)

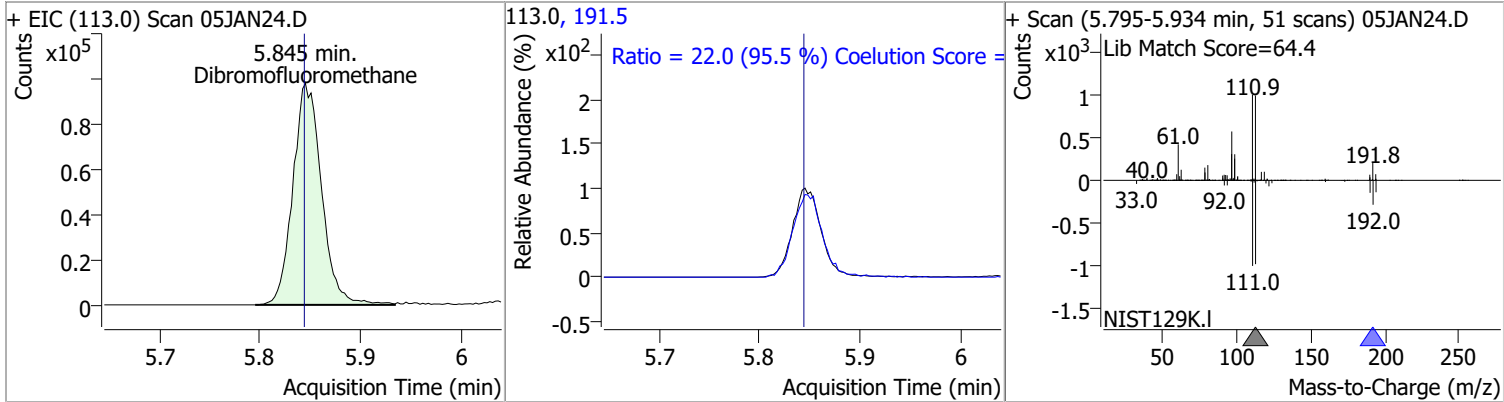
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroform | 122.9455 | 5.65 | 0.00     | 177003 | 85.0 | 64.4   | 36.0  | 96.0  |



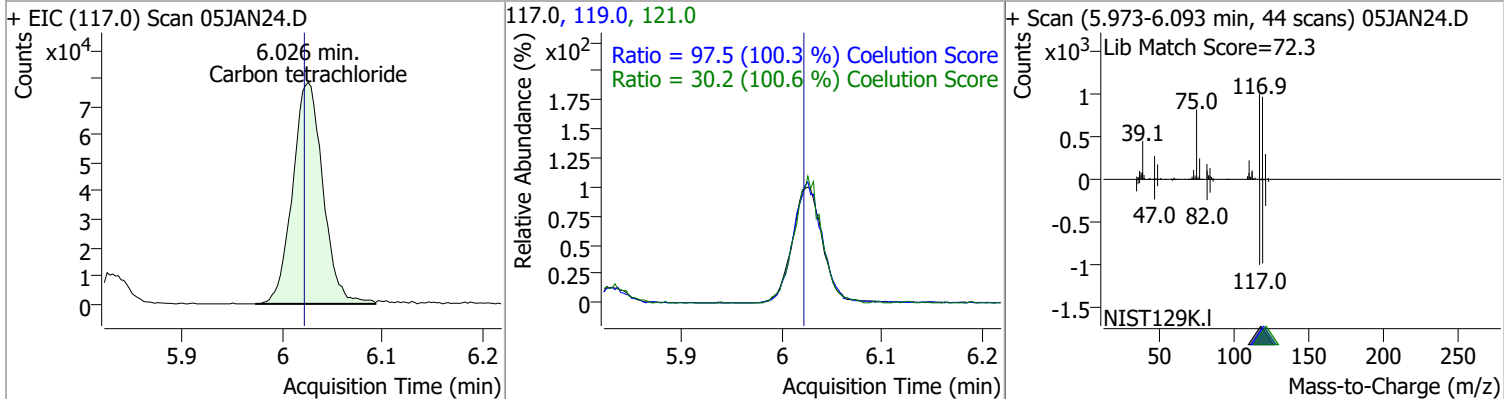
|                       |          |      |       |        |      |      |      |      |
|-----------------------|----------|------|-------|--------|------|------|------|------|
| 1,1,1-Trichloroethane | 126.8131 | 5.83 | -0.01 | 171098 | 99.0 | 63.4 | 34.7 | 94.7 |
|                       |          |      |       |        | 61.0 | 48.4 | 18.1 | 78.1 |



|                      |          |      |      |        |       |      |     |      |
|----------------------|----------|------|------|--------|-------|------|-----|------|
| Dibromofluoromethane | 274.3119 | 5.85 | 0.00 | 195441 | 191.5 | 22.0 | 0.0 | 53.1 |
|----------------------|----------|------|------|--------|-------|------|-----|------|

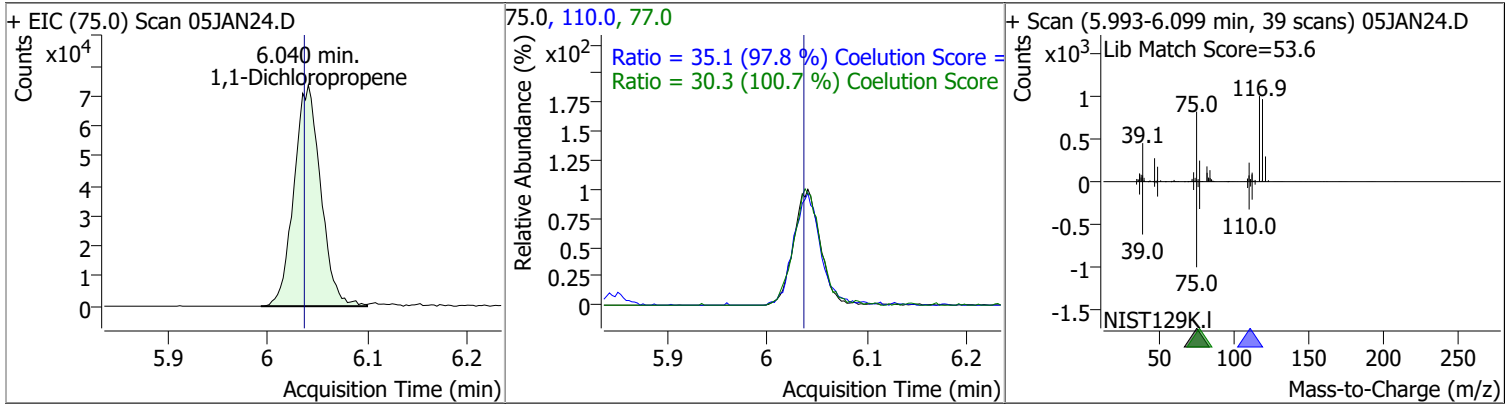


|                      |          |      |      |        |       |      |      |       |
|----------------------|----------|------|------|--------|-------|------|------|-------|
| Carbon tetrachloride | 124.2342 | 6.03 | 0.00 | 165149 | 119.0 | 97.5 | 67.2 | 127.2 |
|                      |          |      |      |        | 121.0 | 30.2 | 0.1  | 60.1  |

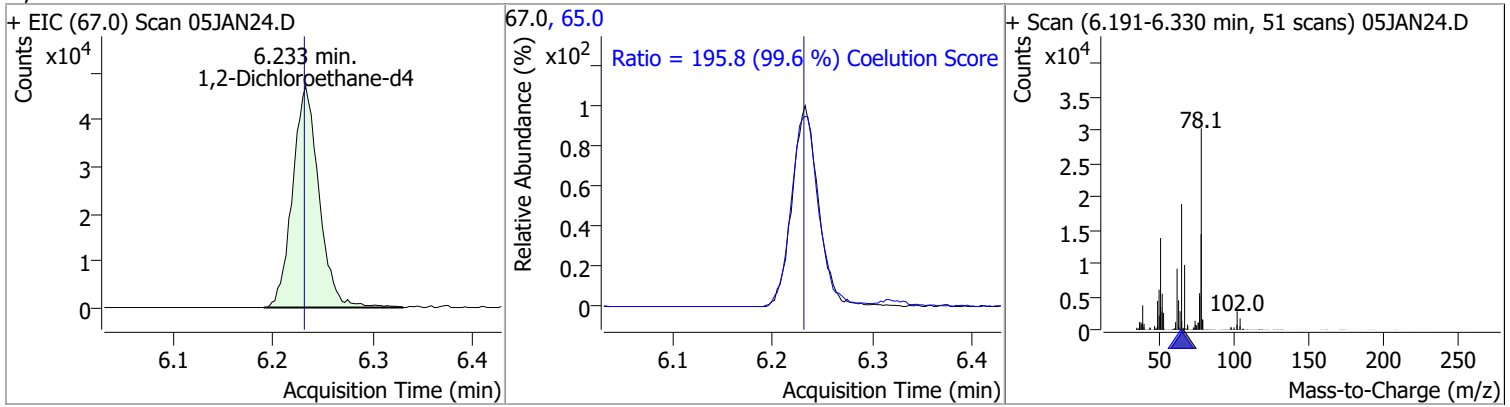


# Quantitation Results Report (QT Reviewed)

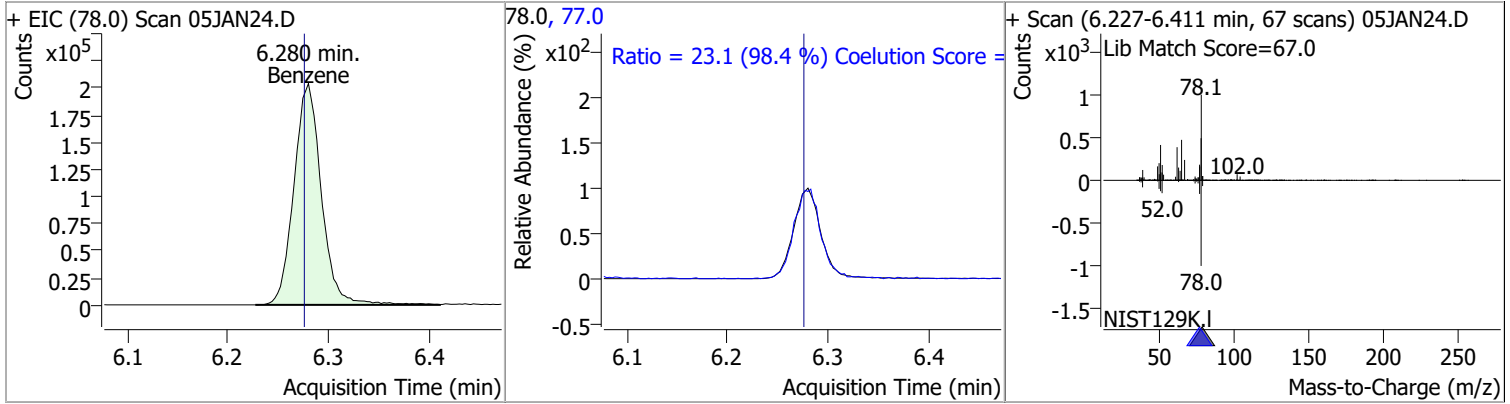
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 118.8843 | 6.04 | 0.00     | 136382 | 110.0 | 35.1   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.3   | 0.1   | 60.1  |



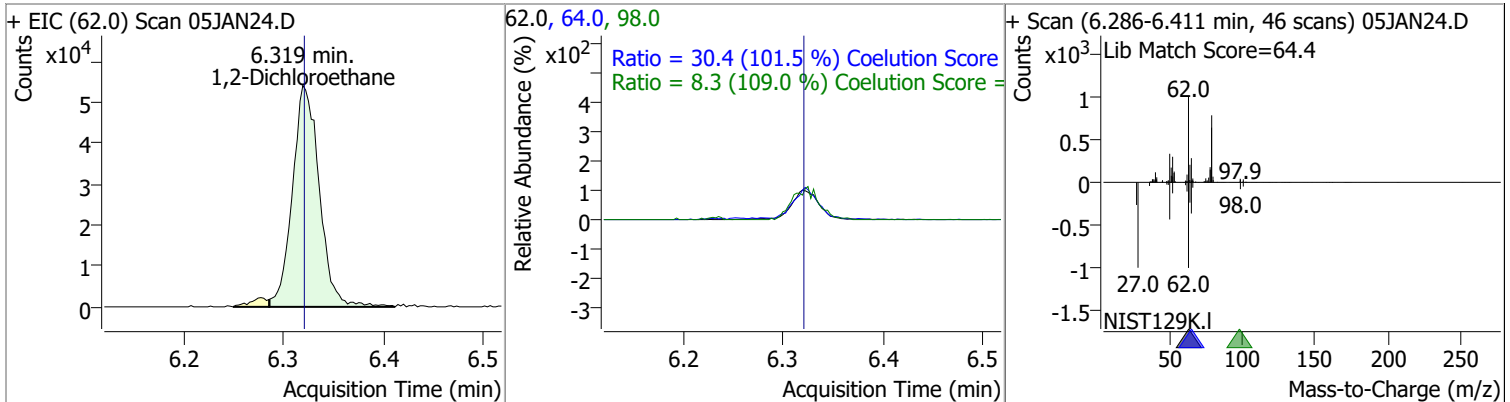
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 281.7226 | 6.23 | 0.00     | 86697 | 65.0 | 195.8  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 129.1809 | 6.28 | 0.00     | 388978 | 77.0 | 23.1   | 0.0   | 53.5  |

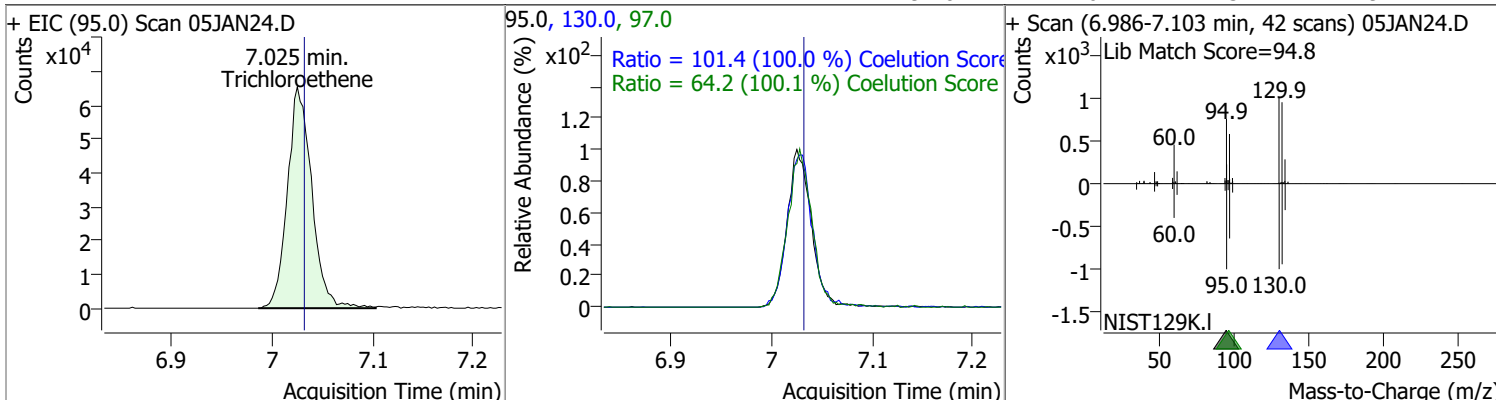


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 123.5320 | 6.32 | 0.00     | 100627 | 64.0 | 30.4   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 8.3    | 0.0   | 37.6  |

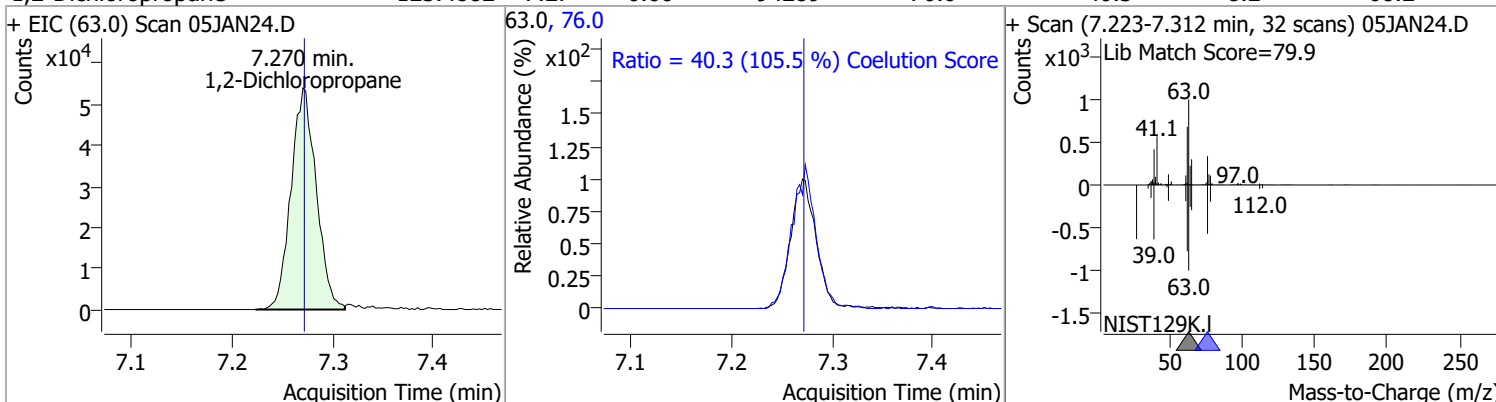


# Quantitation Results Report (QT Reviewed)

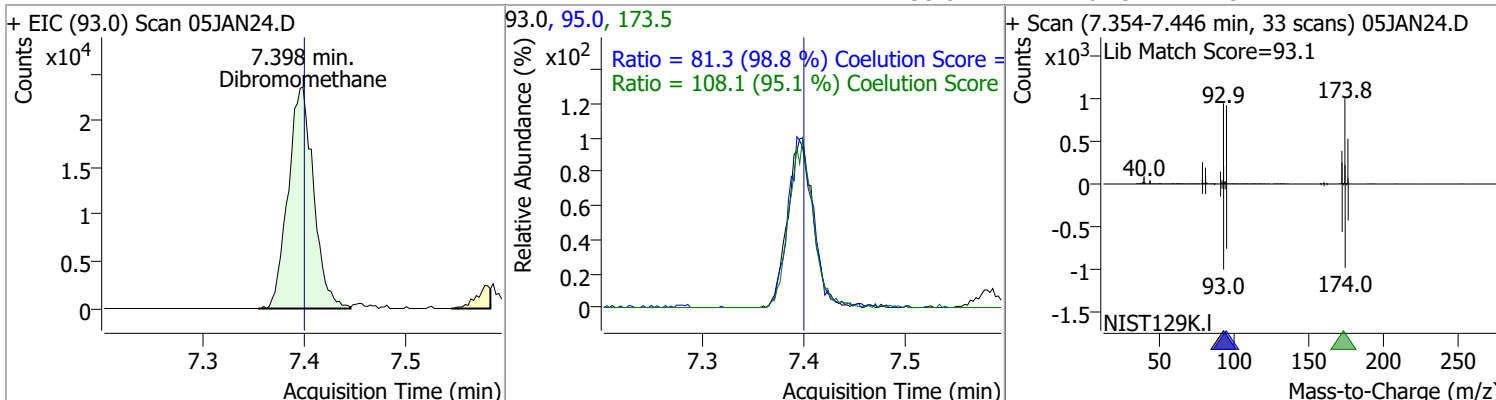
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 127.0700 | 7.02 | -0.01    | 110300 | 130.0 | 101.4  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 64.2   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloropropane | 123.4882 | 7.27 | 0.00     | 94289 | 76.0 | 40.3   | 8.2   | 68.2  |

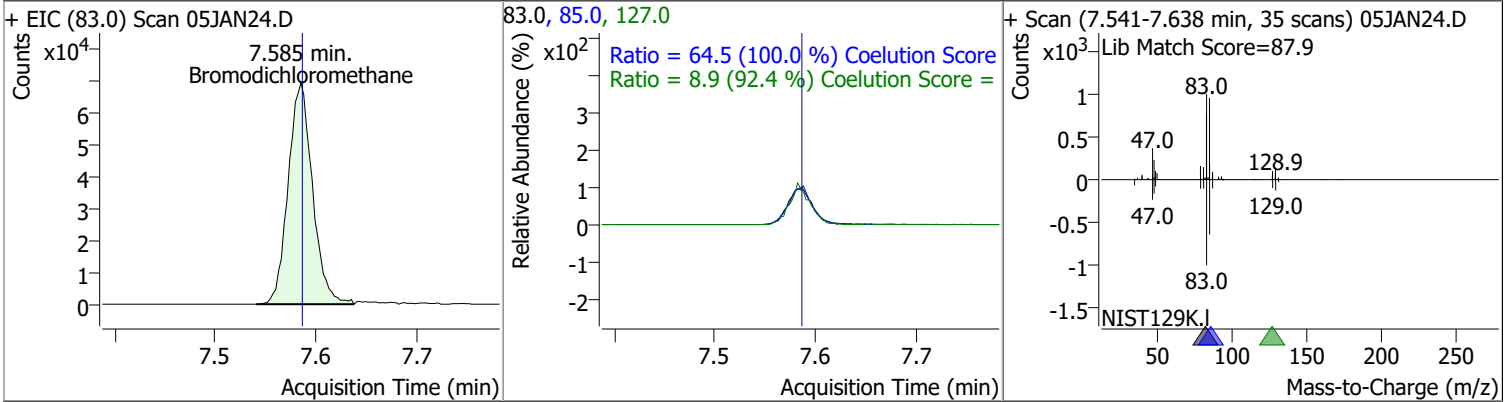


| Compound       | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 128.6376 | 7.40 | 0.00     | 41507 | 173.5 | 108.1  | 83.7  | 143.7 |
|                |          |      |          |       | 95.0  | 81.3   | 52.2  | 112.2 |

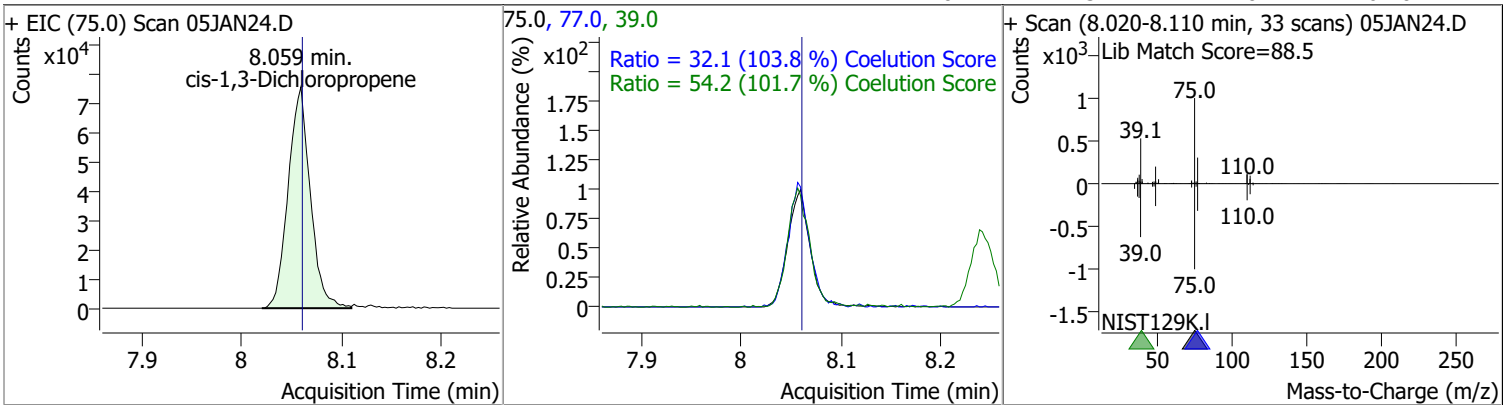


# Quantitation Results Report (QT Reviewed)

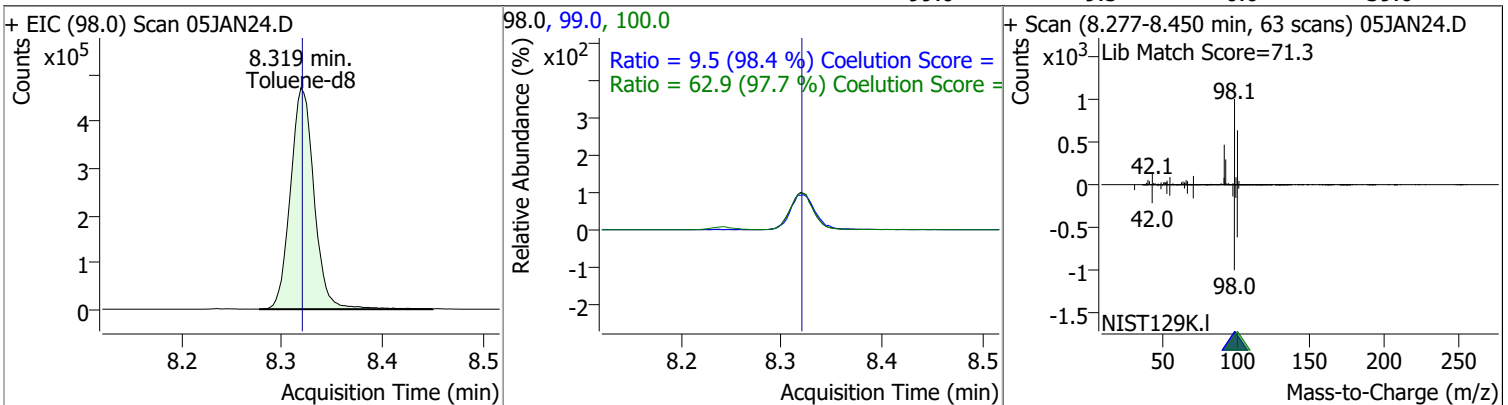
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 130.4078 | 7.59 | 0.00     | 116127 | 85.0  | 64.5   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 8.9    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 114.7487 | 8.06 | 0.00     | 115531 | 39.0 | 54.2   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 32.1   | 1.0   | 61.0  |



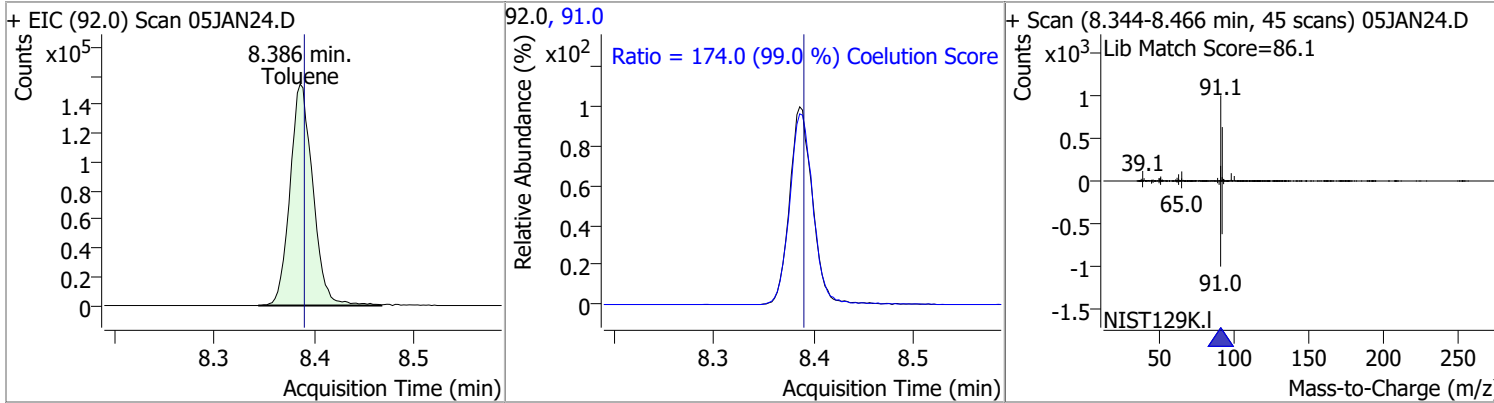
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 279.1845 | 8.32 | 0.00     | 774338 | 100.0 | 62.9   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.5    | 0.0   | 39.6  |



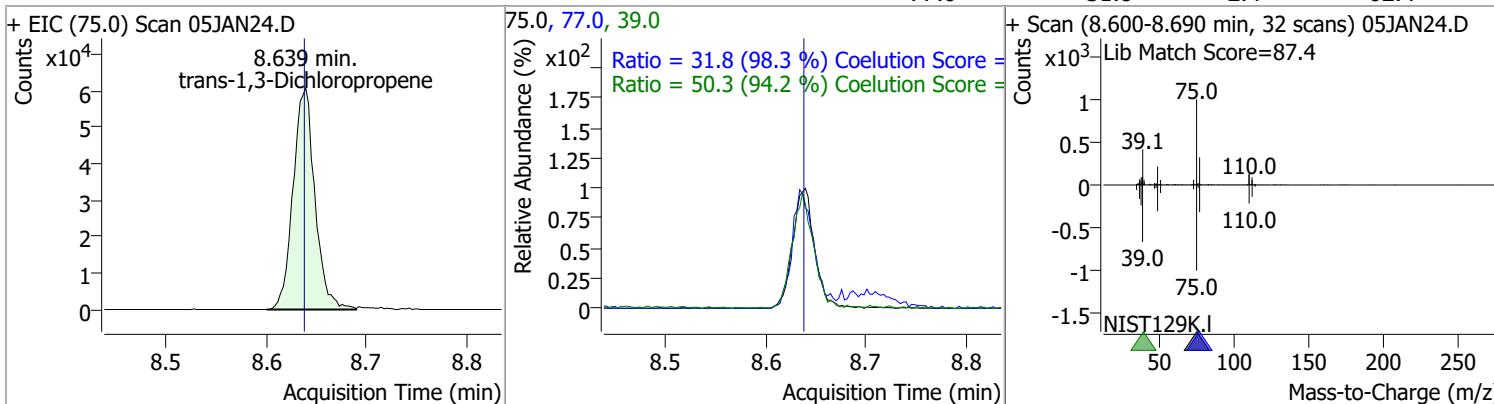


# Quantitation Results Report (QT Reviewed)

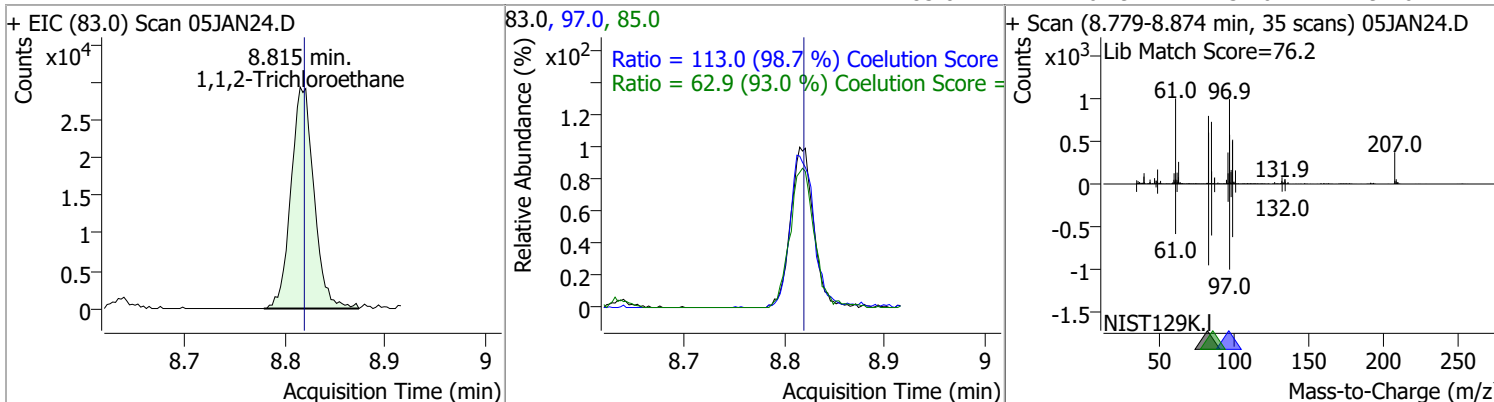
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Toluene  | 130.2658 | 8.39 | 0.00     | 244059 | 91.0 | 174.0  | 145.8 | 205.8 |



| Compound                  | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|-------|------|--------|-------|-------|
| trans-1,3-Dichloropropene | 128.1244 | 8.64 | 0.00     | 91823 | 39.0 | 50.3   | 23.4  | 83.4  |
|                           |          |      |          |       | 77.0 | 31.8   | 2.4   | 62.4  |



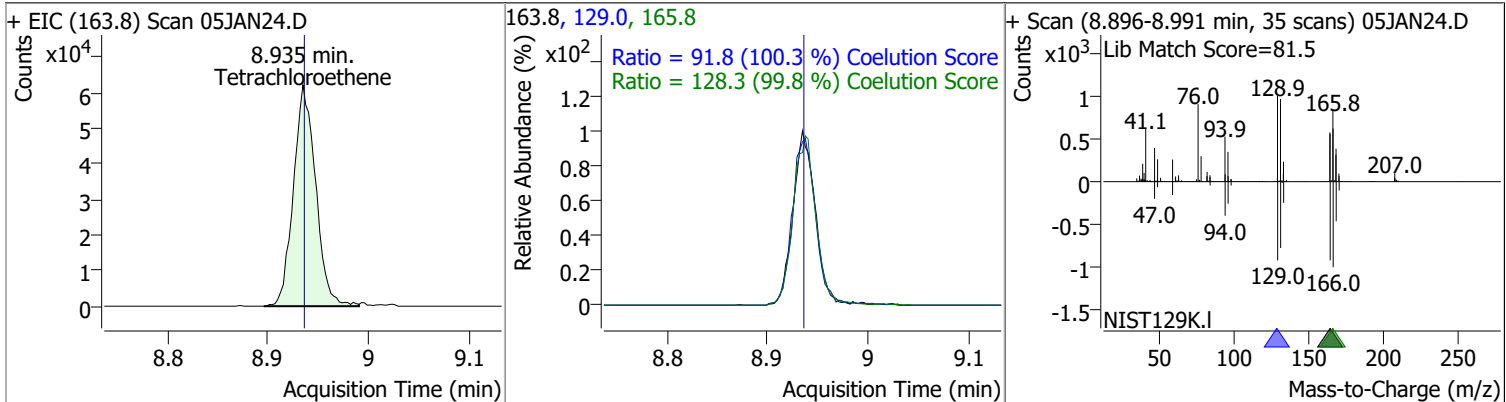
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1,2-Trichloroethane | 125.7078 | 8.82 | 0.00     | 46926 | 97.0 | 113.0  | 84.6  | 144.6 |
|                       |          |      |          |       | 85.0 | 62.9   | 37.6  | 97.6  |



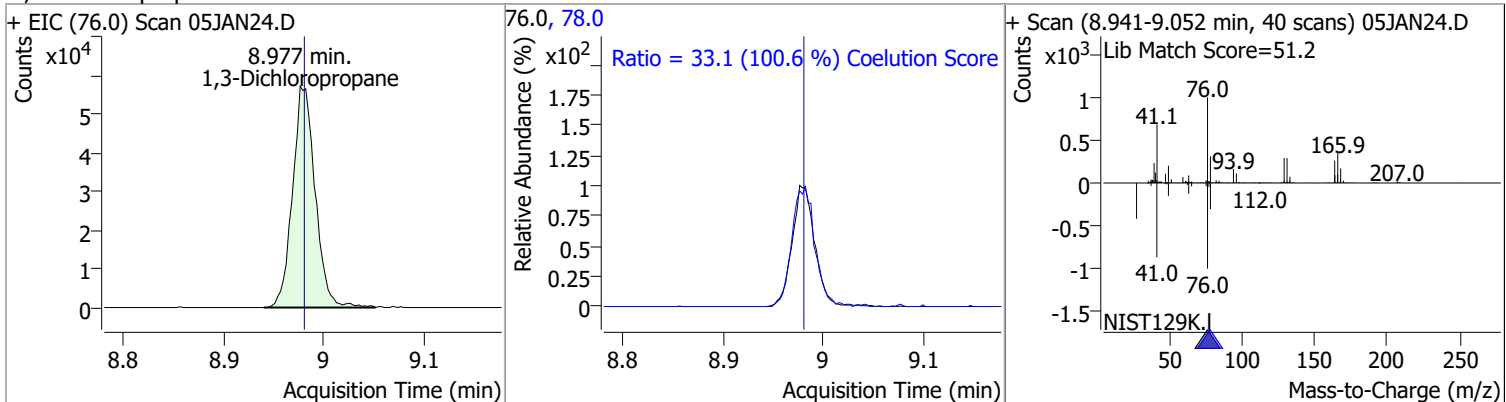


# Quantitation Results Report (QT Reviewed)

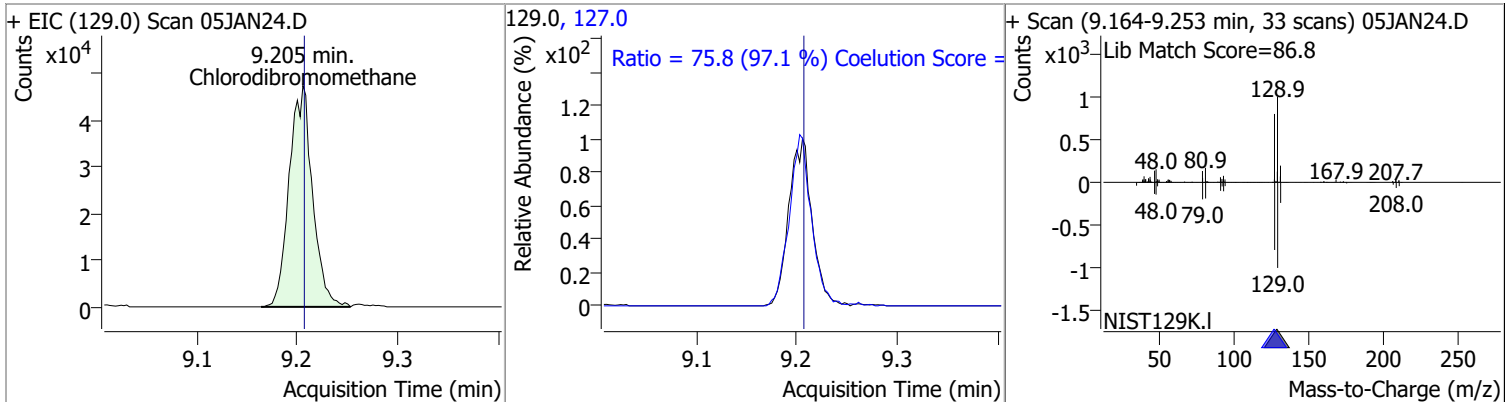
| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Tetrachloroethene | 124.8305 | 8.93 | 0.00     | 95413 | 165.8 | 128.3  | 98.6  | 158.6 |
|                   |          |      |          |       | 129.0 | 91.8   | 61.5  | 121.5 |



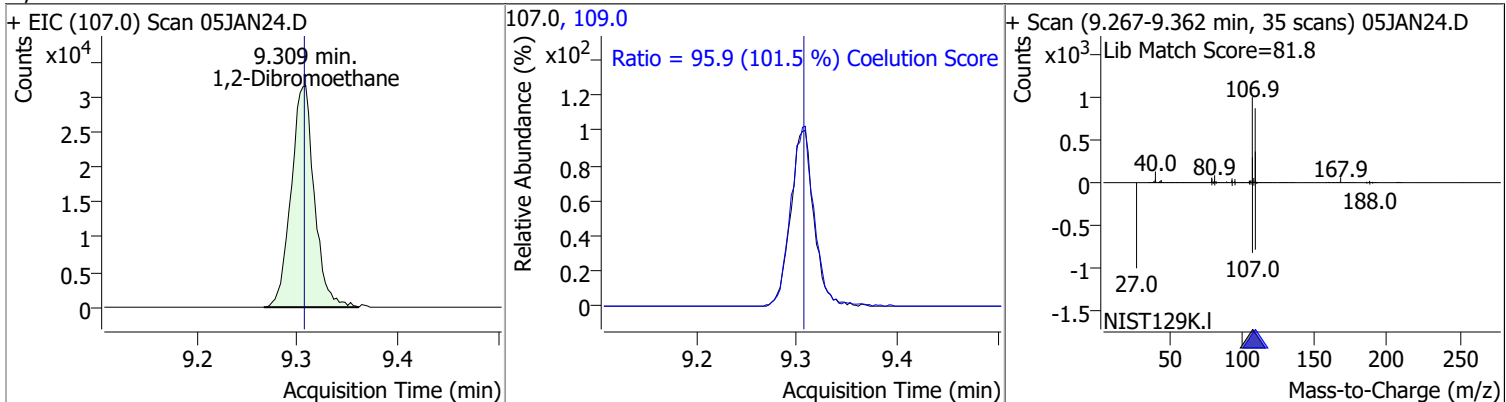
| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,3-Dichloropropane | 122.4461 | 8.98 | 0.00     | 89907 | 78.0 | 33.1   | 2.9   | 62.9  |



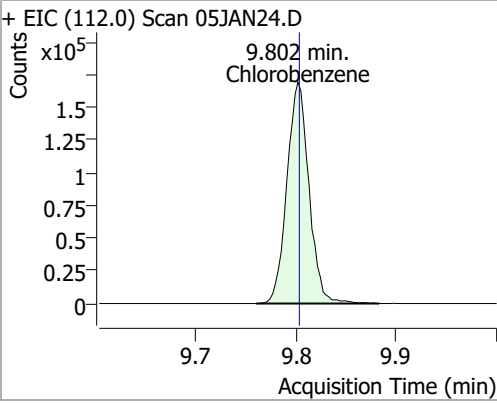
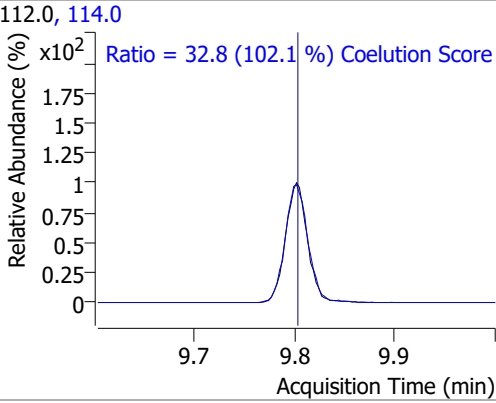
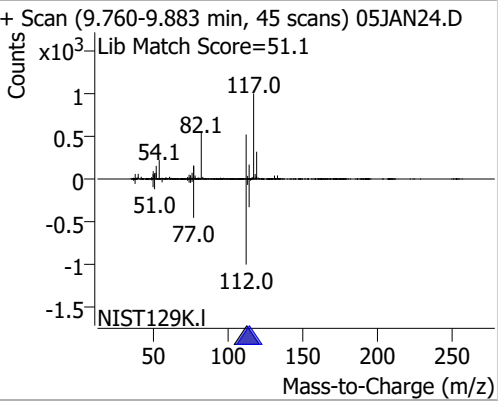
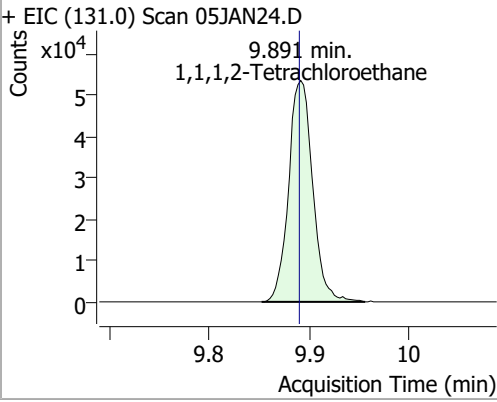
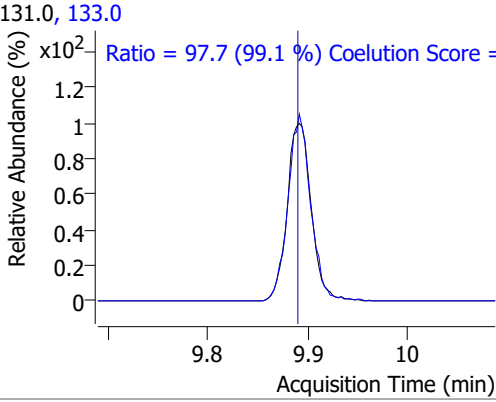
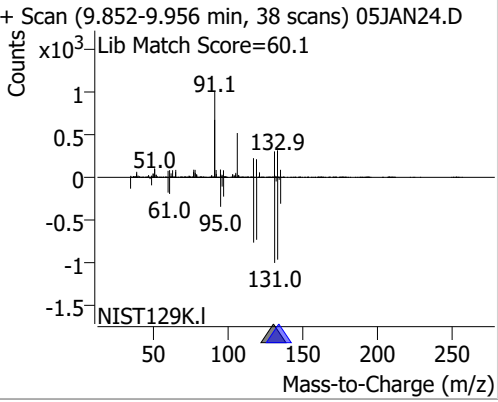
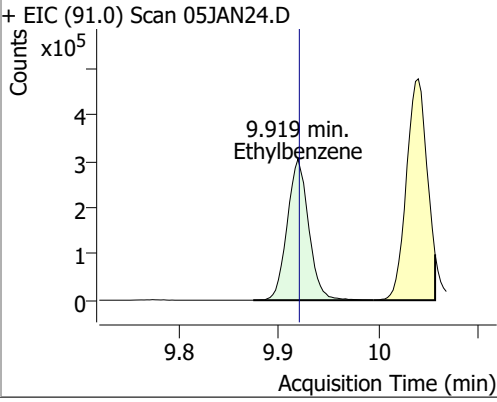
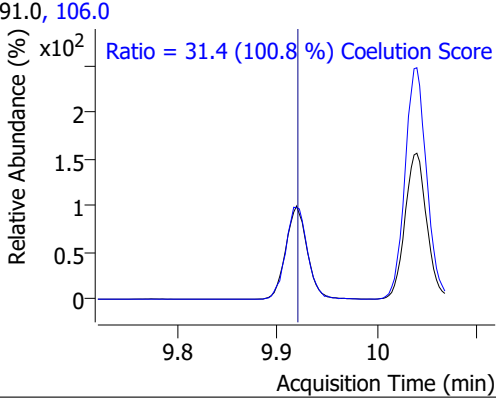
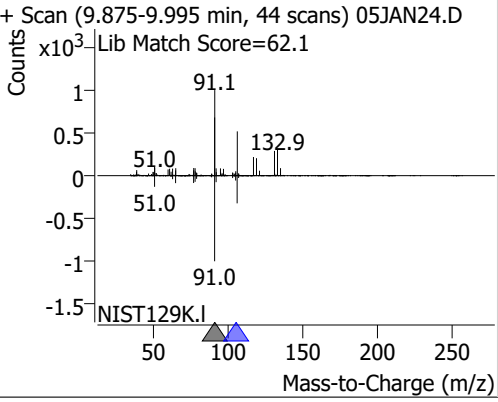
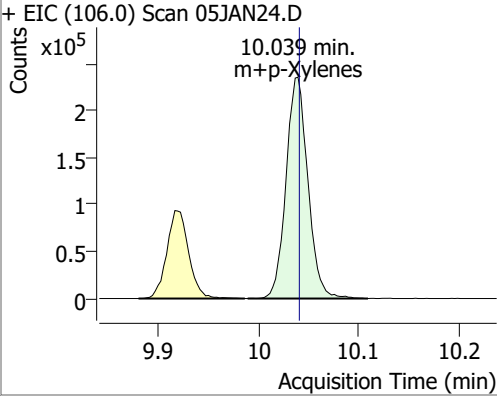
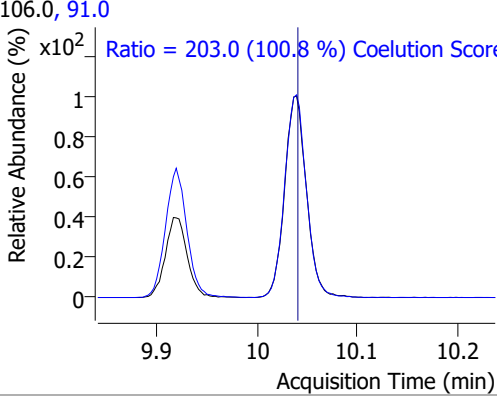
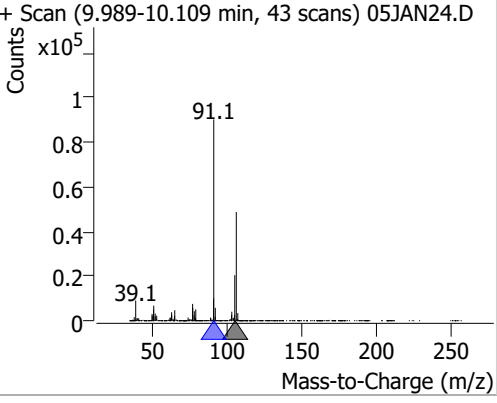
| Compound             | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 131.4839 | 9.21 | 0.00     | 76710 | 127.0 | 75.8   | 48.0  | 108.0 |



| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 124.6965 | 9.31 | 0.00     | 50897 | 109.0 | 95.9   | 64.5  | 124.5 |

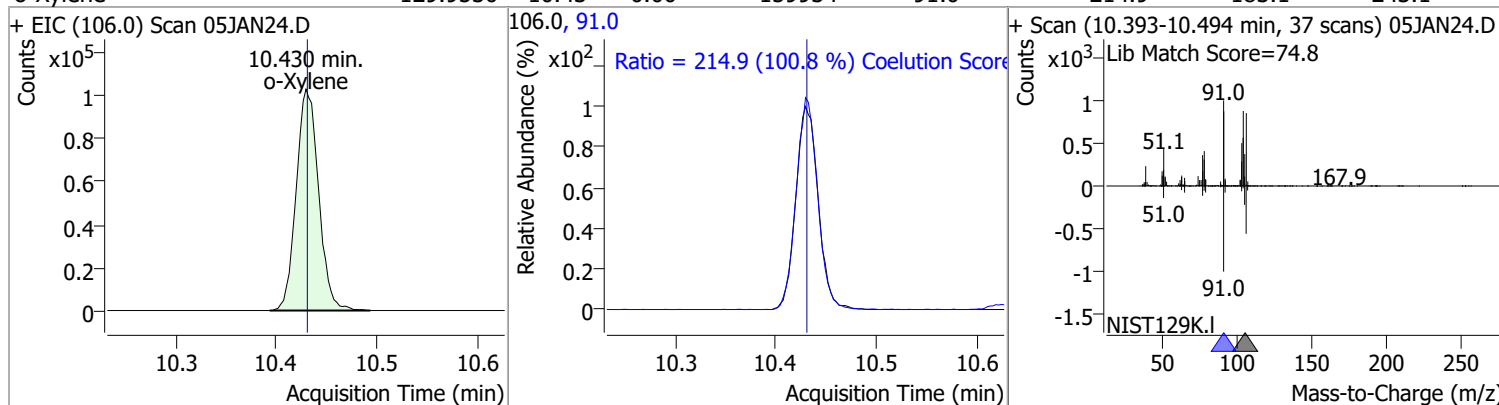


# Quantitation Results Report (QT Reviewed)

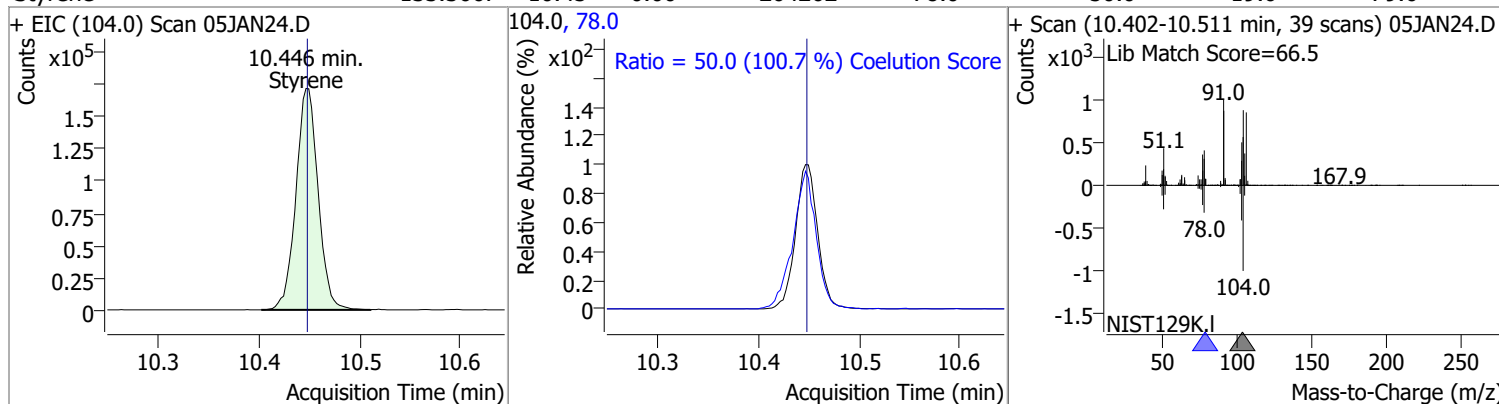
| Compound   | Conc.    | RT    | Dev(Min)  | Resp.  | QIon  | QRatio   | Lower | Upper |
|--|----------|-------|---|--------|-------|--|-------|-------|
| Chlorobenzene  | 125.9819 | 9.80  | 0.00  | 258411 | 114.0 | 32.8   | 2.1   | 62.1  |
| + EIC (112.0) Scan 05JAN24.D<br>   |          |       | 112.0, 114.0<br>  |        |       | + Scan (9.760-9.883 min, 45 scans) 05JAN24.D<br>Lib Match Score=51.1<br>    |       |       |
| 1,1,1,2-Tetrachloroethane  | 124.2913 | 9.89  | 0.00  | 89119  | 133.0 | 97.7   | 68.6  | 128.6 |
| + EIC (131.0) Scan 05JAN24.D<br>  |          |       | 131.0, 133.0<br> |        |       | + Scan (9.852-9.956 min, 38 scans) 05JAN24.D<br>Lib Match Score=60.1<br>   |       |       |
| Ethylbenzene   | 126.9581 | 9.92  | 0.00  | 451644 | 106.0 | 31.4   | 1.1   | 61.1  |
| + EIC (91.0) Scan 05JAN24.D<br>  |          |       | 91.0, 106.0<br> |        |       | + Scan (9.875-9.995 min, 44 scans) 05JAN24.D<br>Lib Match Score=62.1<br>  |       |       |
| m+p-Xylenes  | 257.7097 | 10.04 | 0.00  | 356274 | 91.0  | 203.0  | 171.4 | 231.4 |
| + EIC (106.0) Scan 05JAN24.D<br> |          |       | 106.0, 91.0<br> |        |       | + Scan (9.989-10.109 min, 43 scans) 05JAN24.D<br>Lib Match Score=62.1<br> |       |       |

# Quantitation Results Report (QT Reviewed)

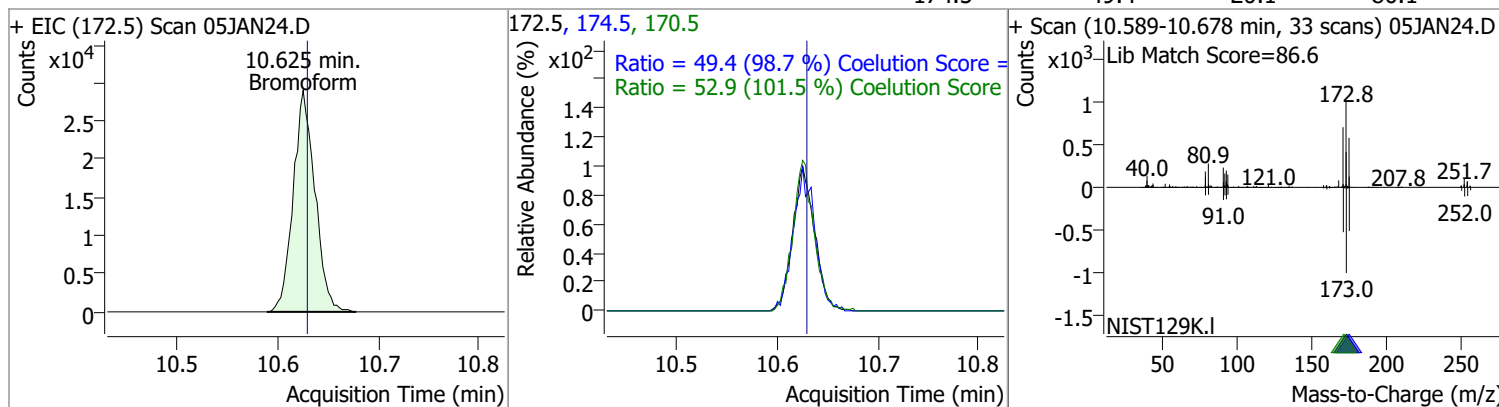
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 129.9530 | 10.43 | 0.00     | 159934 | 91.0 | 214.9  | 183.1 | 243.1 |



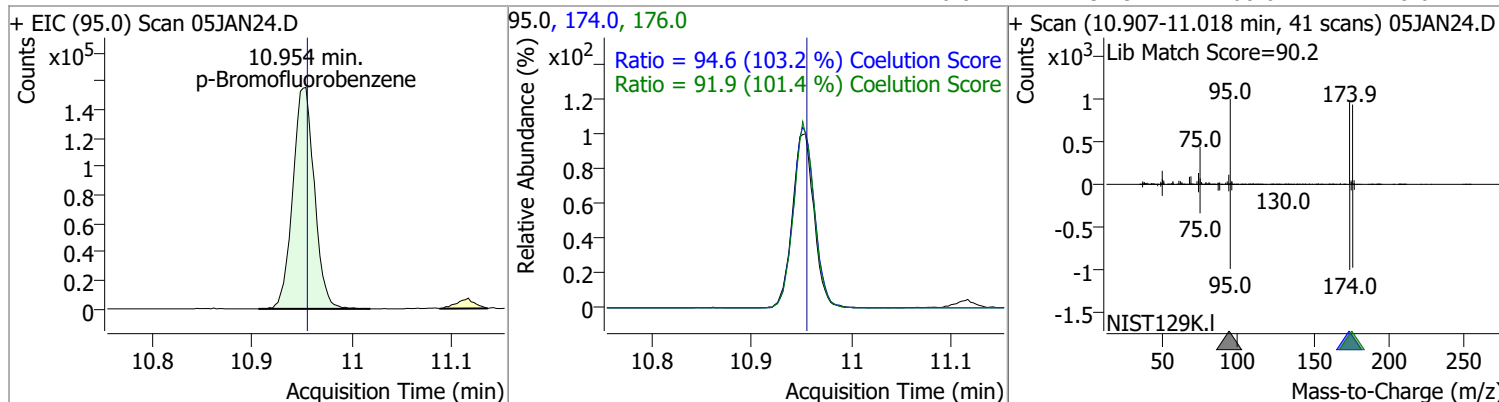
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| Styrene  | 133.3667 | 10.45 | 0.00     | 264262 | 78.0 | 50.0   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 141.2955 | 10.62 | 0.00     | 43697 | 170.5 | 52.9   | 22.1  | 82.1  |
|           |          |       |          |       | 174.5 | 49.4   | 20.1  | 80.1  |

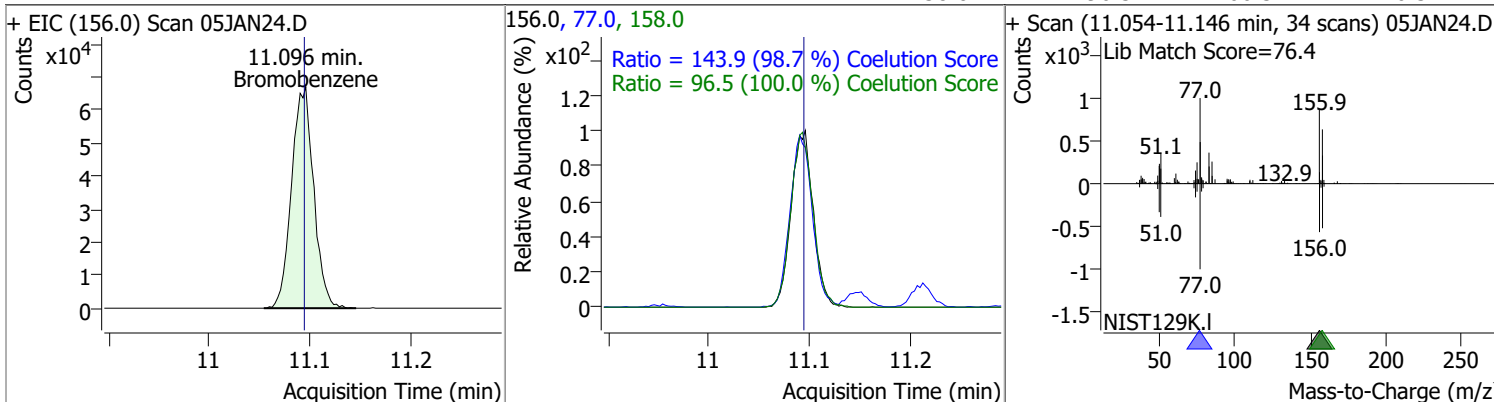


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 262.9425 | 10.95 | 0.00     | 232802 | 174.0 | 94.6   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 91.9   | 60.6  | 120.6 |

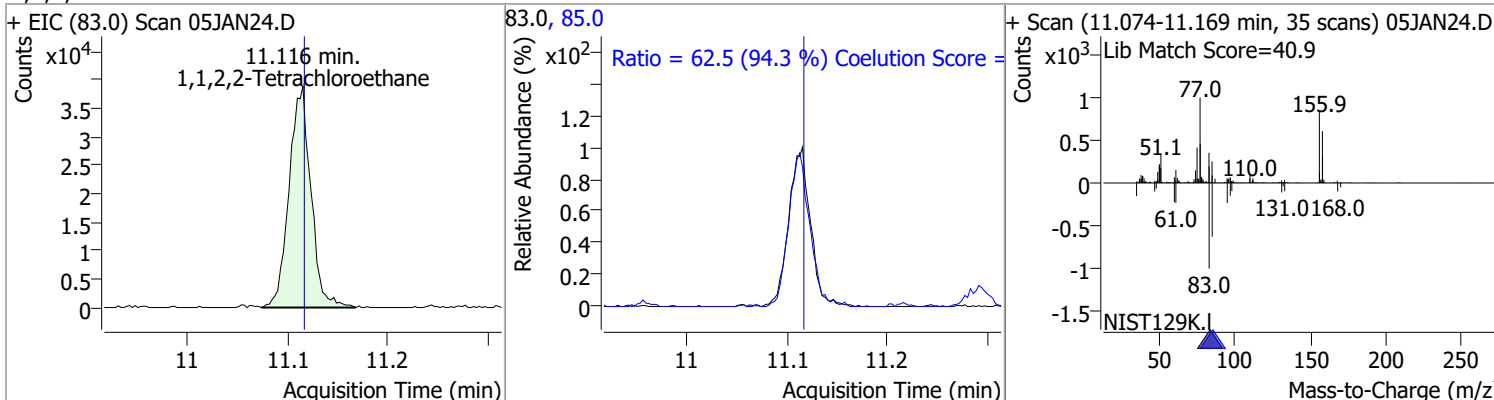


# Quantitation Results Report (QT Reviewed)

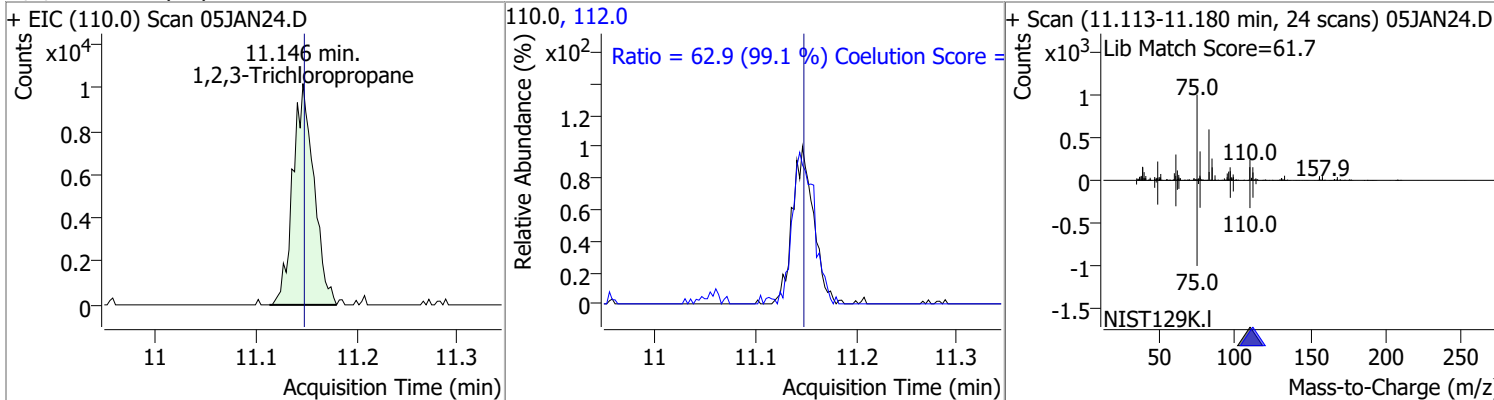
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 130.8500 | 11.10 | 0.00     | 102340 | 77.0  | 143.9  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 96.5   | 66.5  | 126.5 |



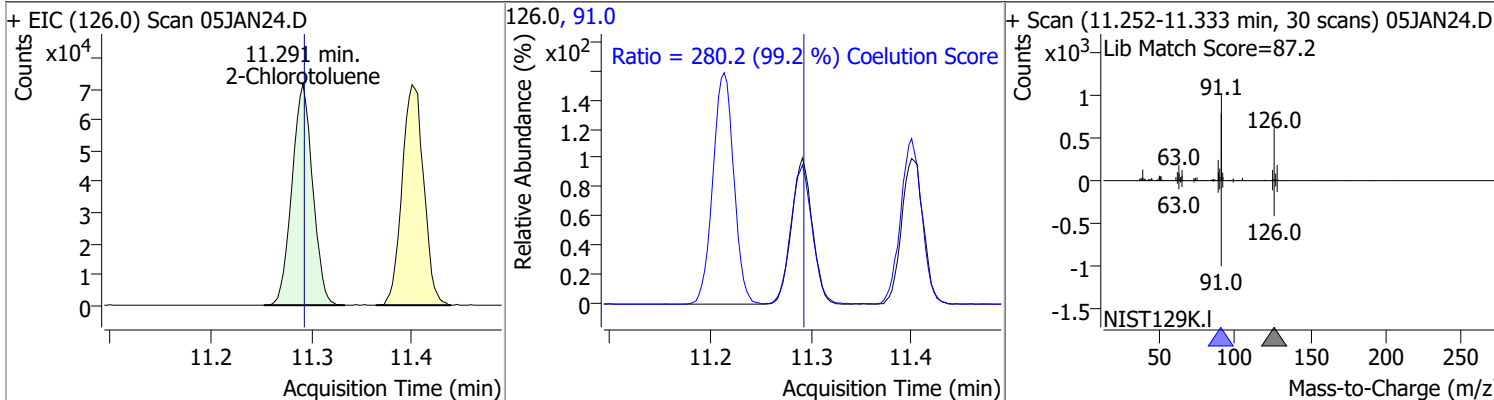
| Compound                  | Conc.    | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 130.0529 | 11.12 | 0.00     | 58545 | 85.0 | 62.5   | 36.2  | 96.2  |



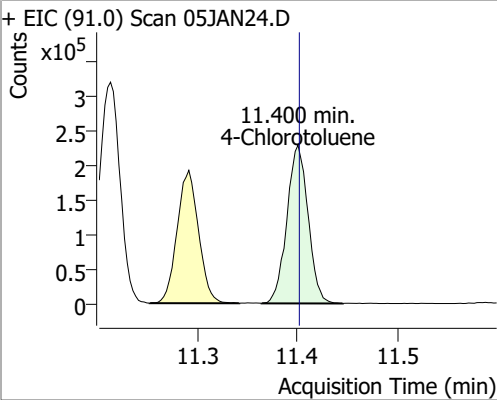
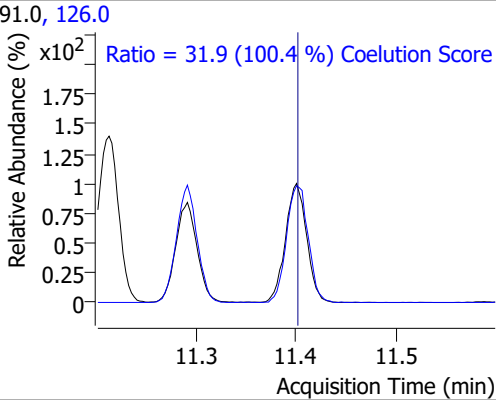
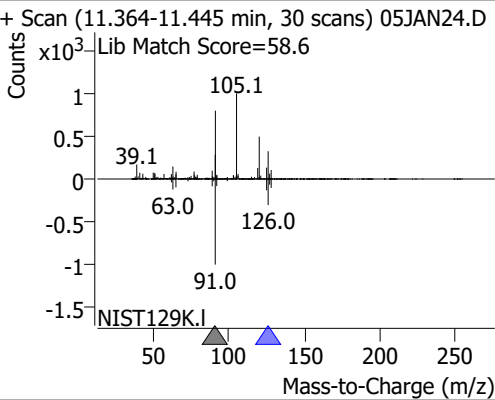
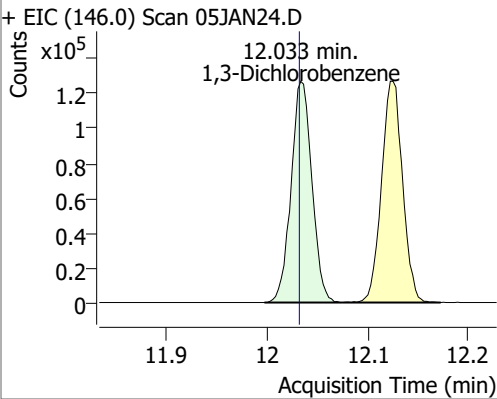
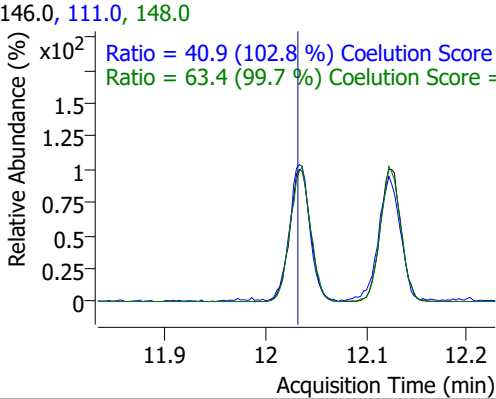
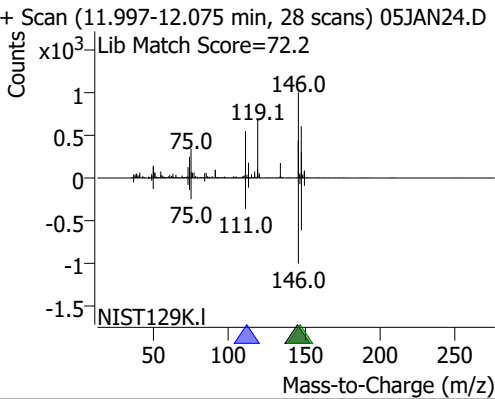
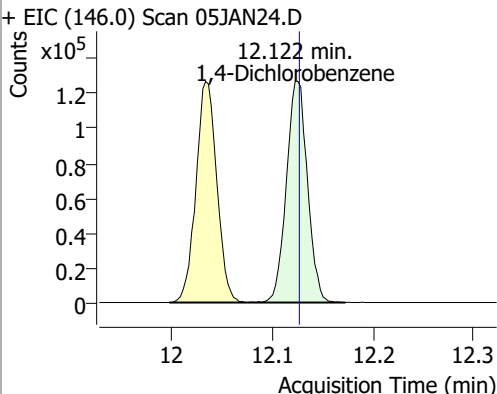
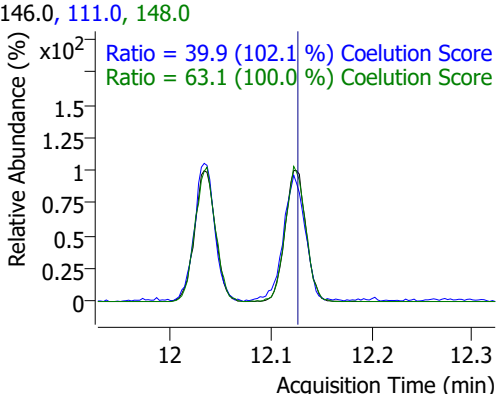
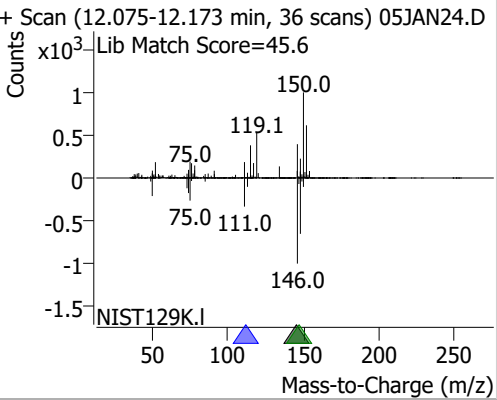
| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 124.1417 | 11.15 | 0.00     | 14953 | 112.0 | 62.9   | 33.5  | 93.5  |



| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 131.4038 | 11.29 | 0.00     | 102259 | 91.0 | 280.2  | 252.3 | 312.3 |

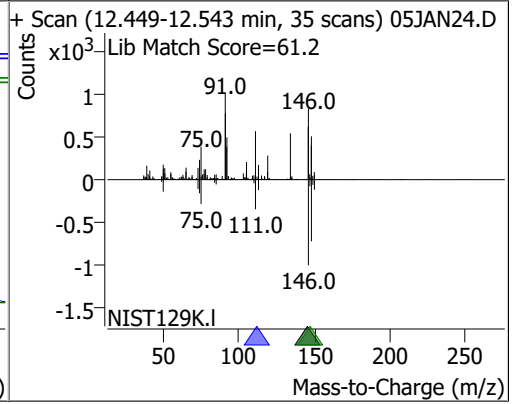
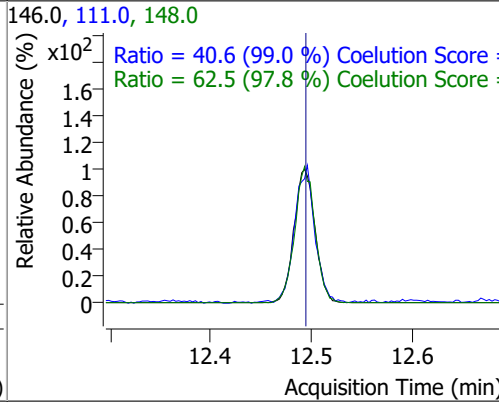
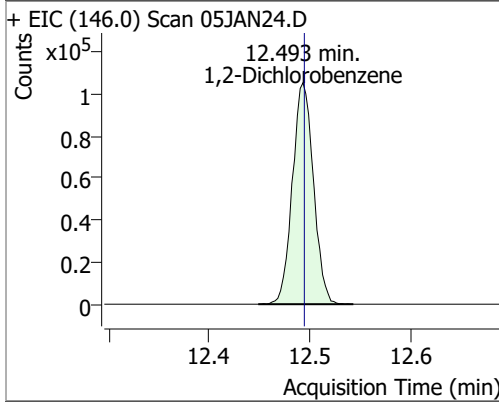


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc.    | RT    | Dev(Min)  | Resp.  | QIon  | QRatio  | Lower | Upper |
|--|----------|-------|---|--------|-------|---|-------|-------|
| 4-Chlorotoluene  | 131.9477 | 11.40 | 0.00  | 334790 | 126.0 | 31.9  | 1.7   | 61.7  |
| + EIC (91.0) Scan 05JAN24.D<br>    |          |       | 91.0, 126.0<br>           |        |       | + Scan (11.364-11.445 min, 30 scans) 05JAN24.D<br>Lib Match Score=58.6<br>   |       |       |
| 1,3-Dichlorobenzene  | 128.4415 | 12.03 | 0.00  | 183212 | 148.0 | 63.4  | 33.6  | 93.6  |
| + EIC (146.0) Scan 05JAN24.D<br>  |          |       | 146.0, 111.0, 148.0<br>  |        |       | + Scan (11.997-12.075 min, 28 scans) 05JAN24.D<br>Lib Match Score=72.2<br>  |       |       |
| 1,4-Dichlorobenzene  | 127.4942 | 12.12 | 0.00  | 185434 | 148.0 | 63.1  | 33.1  | 93.1  |
| + EIC (146.0) Scan 05JAN24.D<br> |          |       | 146.0, 111.0, 148.0<br> |        |       | + Scan (12.075-12.173 min, 36 scans) 05JAN24.D<br>Lib Match Score=45.6<br> |       |       |

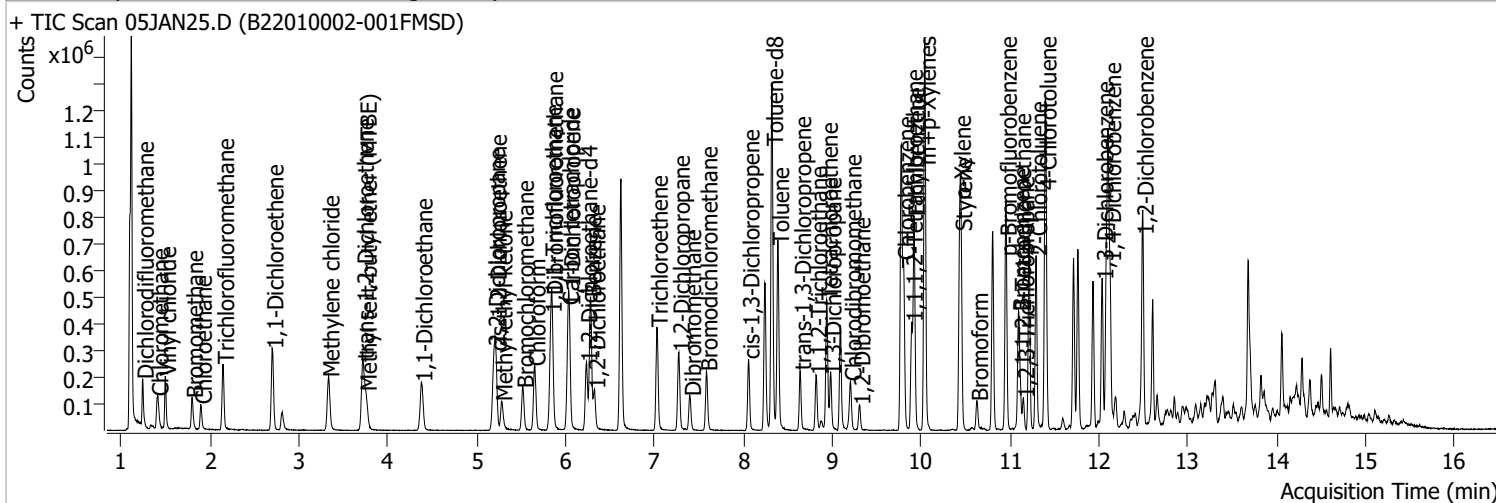
# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 127.1837 | 12.49 | 0.00     | 153320 | 148.0 | 62.5   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 40.6   | 11.0  | 71.0  |



# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN25.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 9:00:38 PM   |
| Sample Name    | B22010002-001FMSD                   | Instrument        | VOA5975C              |
| Vial           | 25                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT     | QIon  | Resp.  | Conc.                                   | Units | Dev(Min) |
|------------------------------------|--------|-------|--------|---|-------|----------|
| <b>Internal Standards</b>          |        |       |        |   |       |          |
| M Fluorobenzene                    | 6.620  | 96.0  | 774748 | 250.0000                                | ng    | -0.003   |
| M Chlorobenzene-d5                 | 9.774  | 82.0  | 299679 | 250.0000                                | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100 | 152.0 | 246742 | 250.0000                                | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |        |       |        |   |       |          |
| S Dibromofluoromethane             | 5.845  | 113.0 | 199345 | 273.1160                                | ng    | 0.000    |
| Spiked Amount: 250.000             |        |       |        | Range: 80.0 - 119.0% Recovery = 109.25% |       |          |
| S 1,2-Dichloroethane-d4            | 6.233  | 67.0  | 89260  | 283.1311                                | ng    | 0.000    |
| Spiked Amount: 250.000             |        |       |        | Range: 81.0 - 118.0% Recovery = 113.25% |       |          |
| S Toluene-d8                       | 8.322  | 98.0  | 797612 | 276.1949                                | ng    | 0.003    |
| Spiked Amount: 250.000             |        |       |        | Range: 89.0 - 112.0% Recovery = 110.48% |       |          |
| S p-Bromofluorobenzene             | 10.951 | 95.0  | 243414 | 269.2804                                | ng    | -0.003   |
| Spiked Amount: 250.000             |        |       |        | Range: 85.0 - 114.0% Recovery = 107.71% |       |          |
| <b>Target Compounds</b>            |        |       |        |   |       |          |
| T Dichlorodifluoromethane          | 1.241  | 85.0  | 118927 | 117.1401                                | ng    | 100      |
| T Chloromethane                    | 1.408  | 50.0  | 142908 | 115.9713                                | ng    | 99       |
| T Vinyl chloride                   | 1.495  | 62.0  | 140829 | 127.0099                                | ng    | 97       |
| T Bromomethane                     | 1.799  | 96.0  | 59143  | 119.2874                                | ng    | 98       |
| T Chloroethane                     | 1.894  | 64.0  | 62164  | 113.2473                                | ng    | 99       |
| T Trichlorofluoromethane           | 2.145  | 101.0 | 167114 | 121.4256                                | ng    | 99       |
| T 1,1-Dichloroethene               | 2.700  | 96.0  | 109427 | 140.2216                                | ng    | 99       |
| T Methylene chloride               | 3.330  | 49.0  | 145652 | 126.6081                                | ng    | 99       |
| T trans-1,2-Dichloroethene         | 3.717  | 96.0  | 111580 | 140.1465                                | ng    | 99       |
| T Methyl tert-butyl ether (MTBE)   | 3.751  | 73.0  | 147515 | 143.3439                                | ng    | 99       |
| T 1,1-Dichloroethane               | 4.376  | 63.0  | 211672 | 142.8308                                | ng    | 99       |
| T 2,2-Dichloropropane              | 5.195  | 77.0  | 147122 | 132.4872                                | ng    | 98       |
| T cis-1,2-Dichloroethene           | 5.215  | 96.0  | 111323 | 137.9124                                | ng    | 98       |
| T Methyl ethyl ketone              | 5.279  | 43.0  | 144644 | 1322.9075                               | ng    | 98       |
| T Bromochloromethane               | 5.519  | 128.0 | 44732  | 133.7676                                | ng    | 100      |
| T Chloroform                       | 5.647  | 83.0  | 189725 | 128.6381                                | ng    | 100      |



# Quantitation Results Report (QT Reviewed)

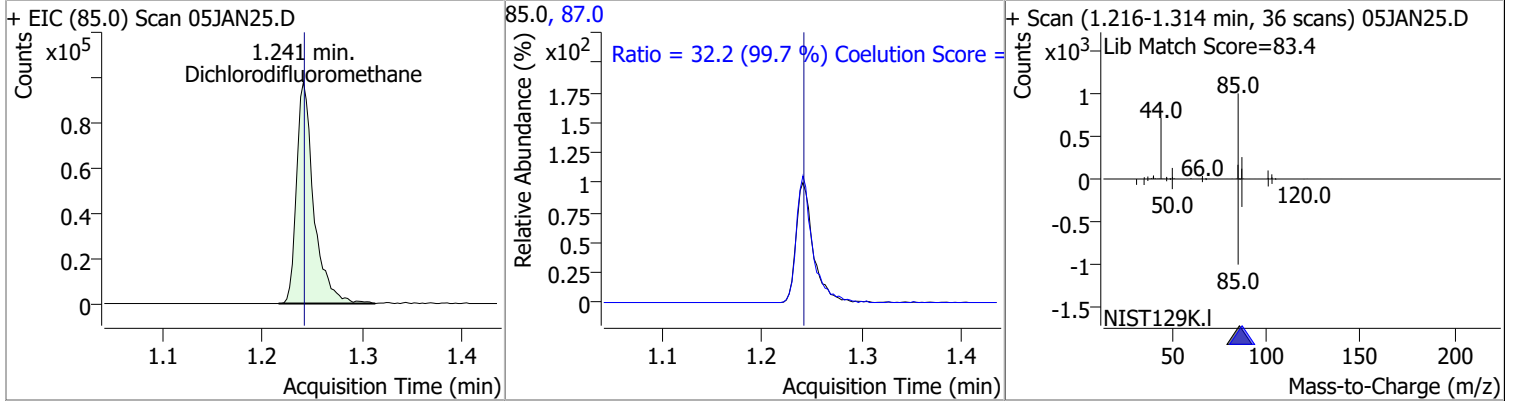
| Compound                    | RT     | QIon  | Resp.  | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|--------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.831  | 97.0  | 188353 | 136.2713 | ng    | 100      |
| T Carbon tetrachloride      | 6.026  | 117.0 | 180517 | 132.5551 | ng    | 99       |
| T 1,1-Dichloropropene       | 6.040  | 75.0  | 151786 | 129.1553 | ng    | 98       |
| T Benzene                   | 6.277  | 78.0  | 420571 | 136.3407 | ng    | 100      |
| T 1,2-Dichloroethane        | 6.325  | 62.0  | 111944 | 134.1463 | ng    | 98       |
| T Trichloroethene           | 7.025  | 95.0  | 119213 | 131.9029 | ng    | 98       |
| T 1,2-Dichloropropane       | 7.273  | 63.0  | 105821 | 133.1065 | ng    | 99       |
| T Dibromomethane            | 7.398  | 93.0  | 44225  | 131.6369 | ng    | 98       |
| T Bromodichloromethane      | 7.583  | 83.0  | 128815 | 138.9313 | ng    | 99       |
| T cis-1,3-Dichloropropene   | 8.057  | 75.0  | 131596 | 125.5322 | ng    | 99       |
| T Toluene                   | 8.388  | 92.0  | 265405 | 136.0530 | ng    | 99       |
| T trans-1,3-Dichloropropene | 8.637  | 75.0  | 102973 | 137.9961 | ng    | 96       |
| T 1,1,2-Trichloroethane     | 8.815  | 83.0  | 50972  | 131.1425 | ng    | 99       |
| T Tetrachloroethene         | 8.935  | 163.8 | 104953 | 131.8777 | ng    | 99       |
| T 1,3-Dichloropropane       | 8.977  | 76.0  | 101137 | 132.2893 | ng    | 99       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 86755  | 142.8165 | ng    | 97       |
| T 1,2-Dibromoethane         | 9.306  | 107.0 | 58242  | 137.0445 | ng    | 99       |
| T Chlorobenzene             | 9.799  | 112.0 | 287977 | 134.8398 | ng    | 100      |
| T 1,1,1,2-Tetrachloroethane | 9.892  | 131.0 | 96722  | 129.5564 | ng    | 98       |
| T Ethylbenzene              | 9.917  | 91.0  | 495112 | 133.6690 | ng    | 99       |
| T m+p-Xylenes               | 10.039 | 106.0 | 388623 | 269.9841 | ng    | 100      |
| T o-Xylene                  | 10.433 | 106.0 | 176516 | 137.7503 | ng    | 98       |
| T Styrene                   | 10.449 | 104.0 | 283898 | 137.6062 | ng    | 98       |
| T Bromoform                 | 10.628 | 172.5 | 50331  | 159.4033 | ng    | 97       |
| T Bromobenzene              | 11.093 | 156.0 | 108389 | 135.7371 | ng    | 98       |
| T 1,1,2,2-Tetrachloroethane | 11.110 | 83.0  | 63810  | 138.8366 | ng    | 99       |
| T 1,2,3-Trichloropropane    | 11.149 | 110.0 | 17155  | 139.4971 | ng    | 95       |
| T 2-Chlorotoluene           | 11.291 | 126.0 | 111355 | 140.1526 | ng    | 99       |
| T 4-Chlorotoluene           | 11.397 | 91.0  | 364459 | 140.6899 | ng    | 100      |
| T 1,3-Dichlorobenzene       | 12.036 | 146.0 | 198469 | 136.2791 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.122 | 146.0 | 199434 | 134.3028 | ng    | 99       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 168422 | 136.8411 | ng    | 98       |

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

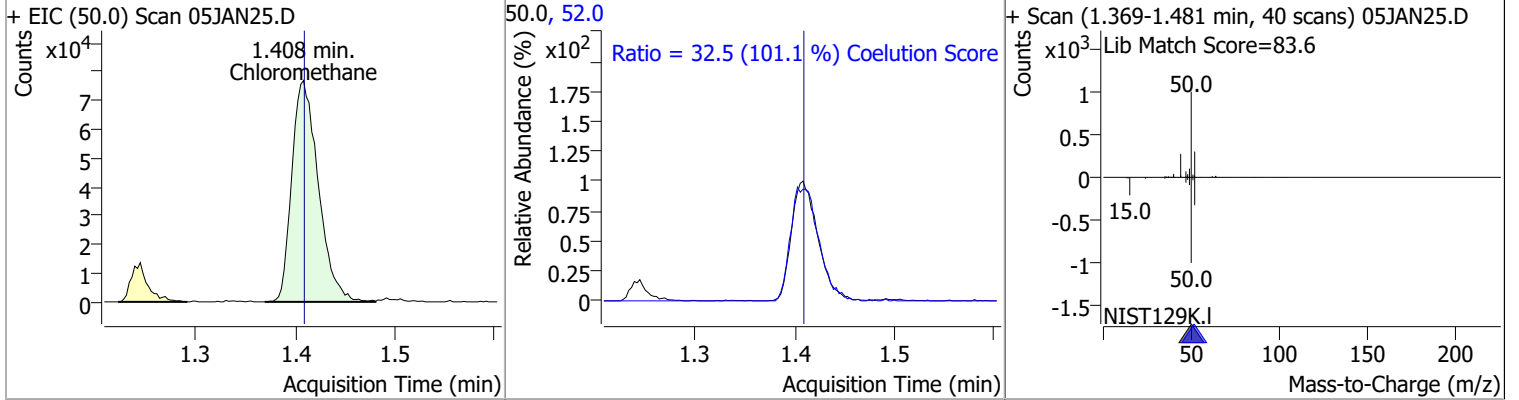


# Quantitation Results Report (QT Reviewed)

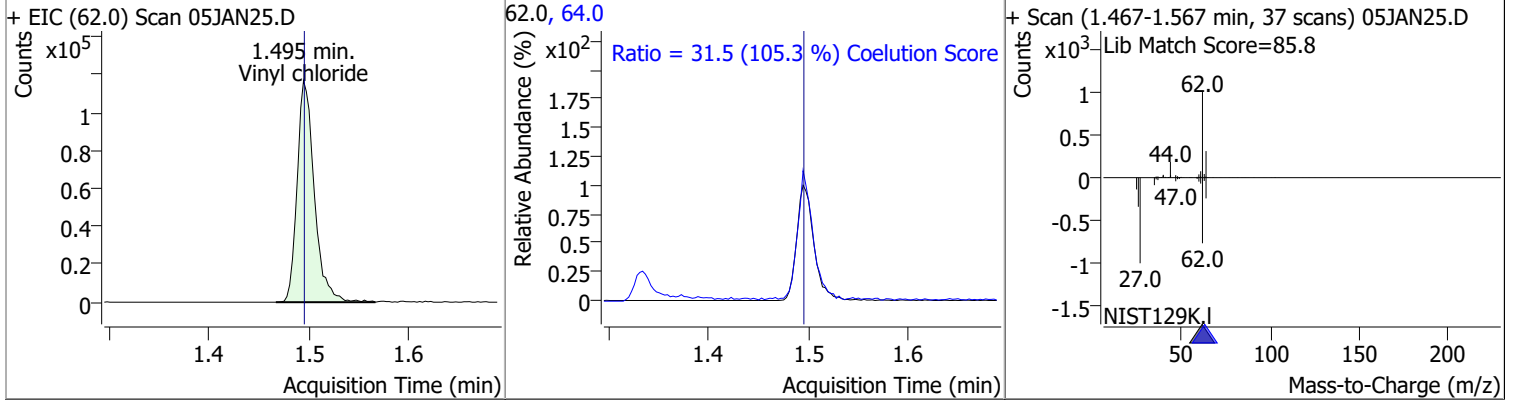
| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Dichlorodifluoromethane | 117.1401 | 1.24 | 0.00     | 118927 | 87.0 | 32.2   | 2.3   | 62.3  |



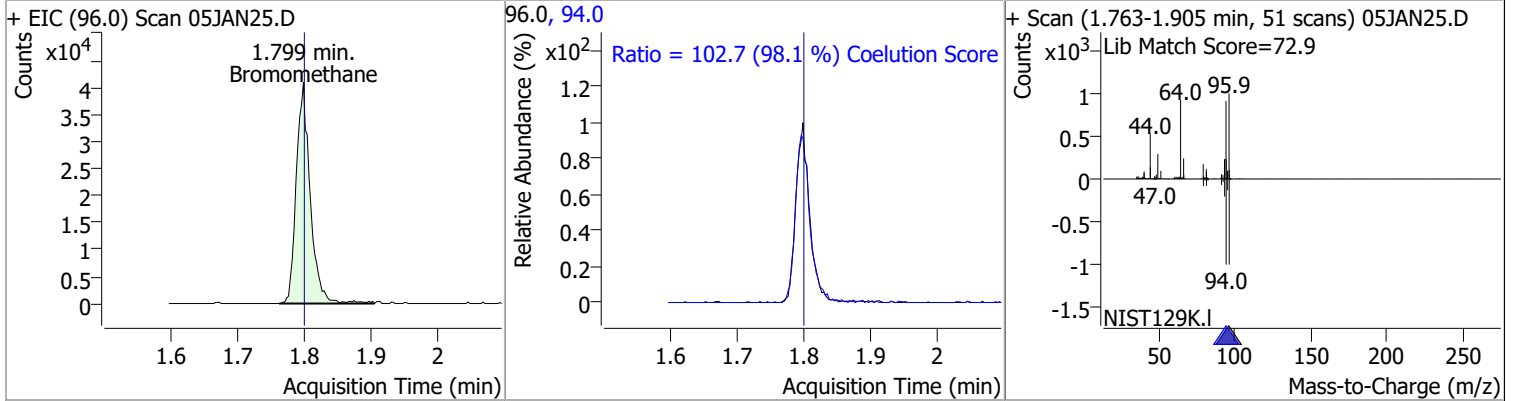
| Compound      | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloromethane | 115.9713 | 1.41 | 0.00     | 142908 | 52.0 | 32.5   | 2.1   | 62.1  |



| Compound       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------------|----------|------|----------|--------|------|--------|-------|-------|
| Vinyl chloride | 127.0099 | 1.49 | 0.00     | 140829 | 64.0 | 31.5   | 0.0   | 59.9  |

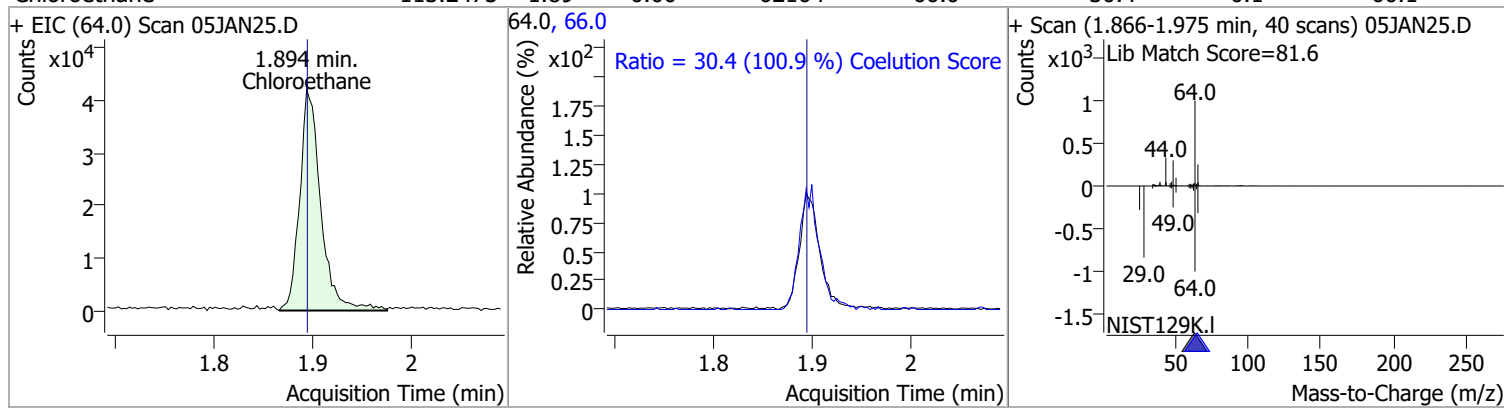


| Compound     | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromomethane | 119.2874 | 1.80 | 0.00     | 59143 | 94.0 | 102.7  | 74.6  | 134.6 |

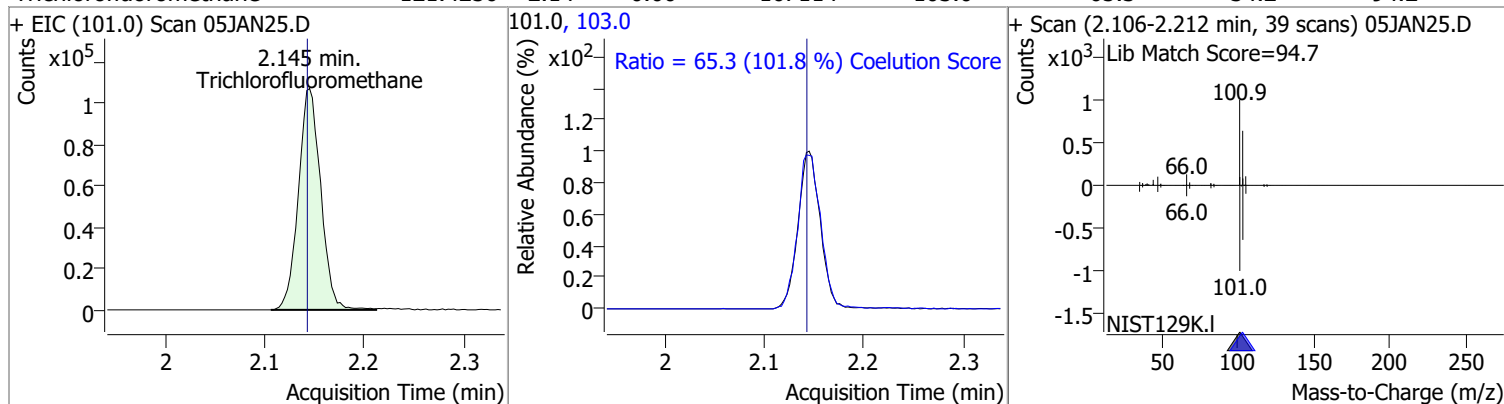


# Quantitation Results Report (QT Reviewed)

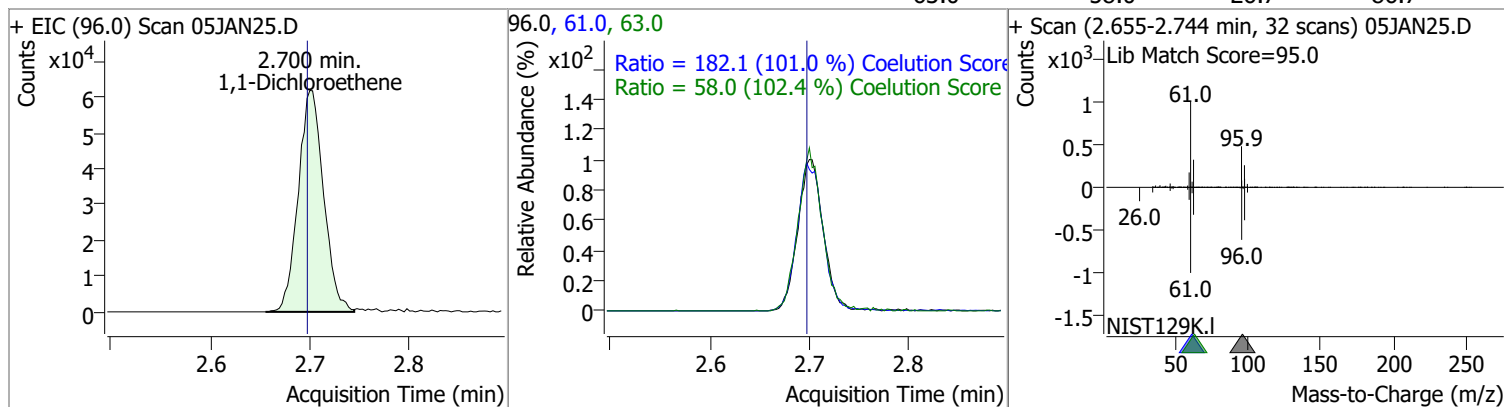
| Compound     | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|-------|------|--------|-------|-------|
| Chloroethane | 113.2473 | 1.89 | 0.00     | 62164 | 66.0 | 30.4   | 0.1   | 60.1  |



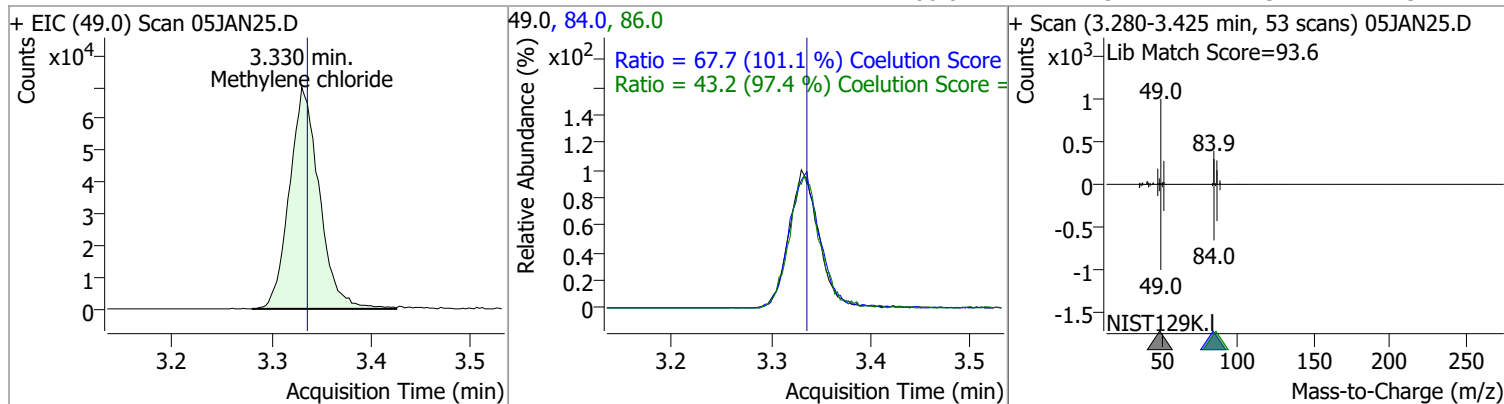
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichlorofluoromethane | 121.4256 | 2.14 | 0.00     | 167114 | 103.0 | 65.3   | 34.2  | 94.2  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethene | 140.2216 | 2.70 | 0.00     | 109427 | 61.0 | 182.1  | 150.3 | 210.3 |
|                    |          |      |          |        | 63.0 | 58.0   | 26.7  | 86.7  |

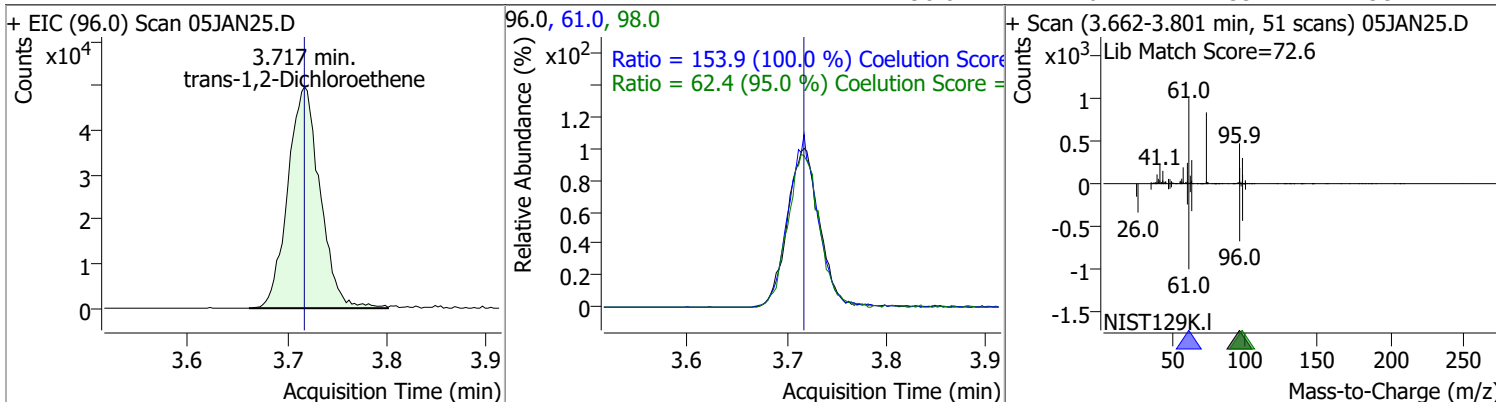


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methylene chloride | 126.6081 | 3.33 | -0.01    | 145652 | 84.0 | 67.7   | 36.9  | 96.9  |
|                    |          |      |          |        | 86.0 | 43.2   | 14.3  | 74.3  |

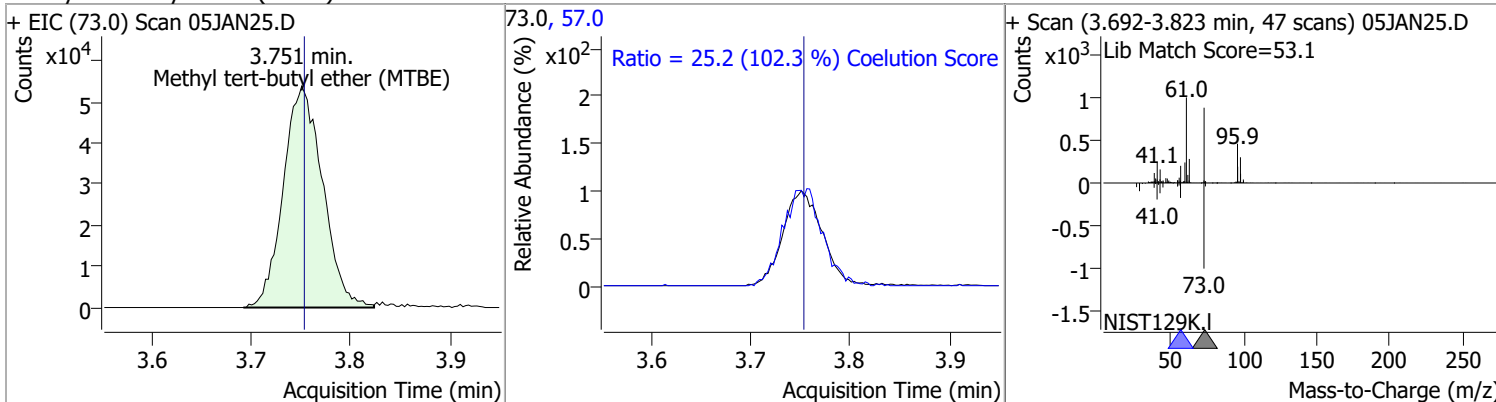


# Quantitation Results Report (QT Reviewed)

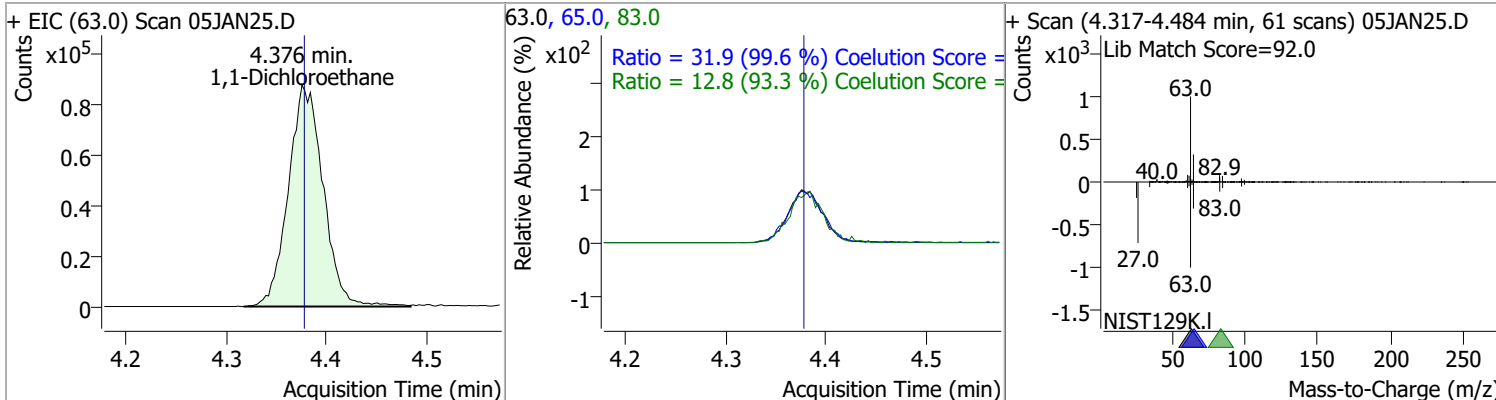
| Compound                 | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 140.1465 | 3.72 | 0.00     | 111580 | 61.0 | 153.9  | 123.9 | 183.9 |
|                          |          |      |          |        | 98.0 | 62.4   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 143.3439 | 3.75 | 0.00     | 147515 | 57.0 | 25.2   | 0.0   | 54.6  |

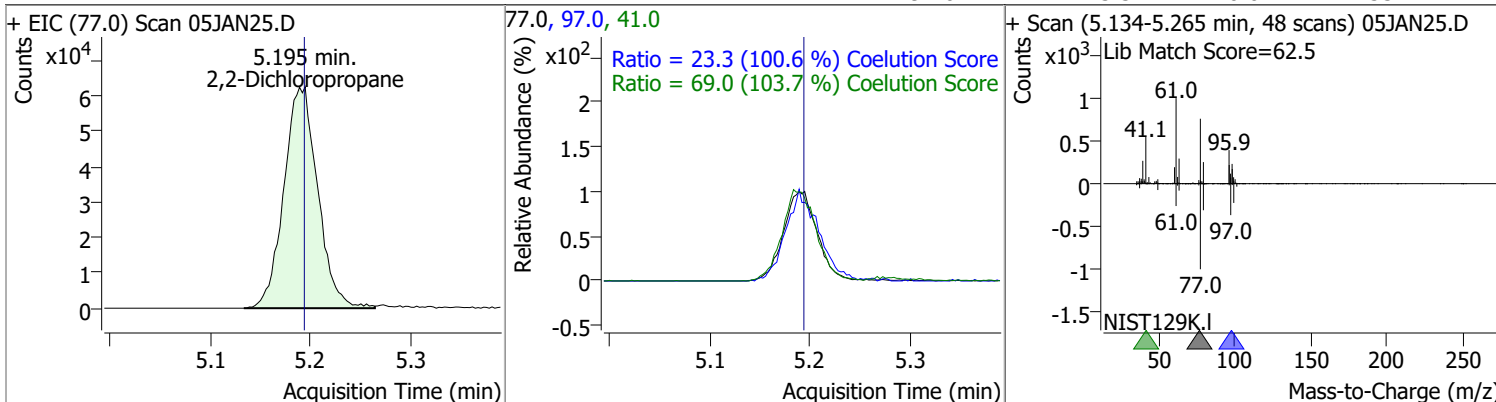


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 142.8308 | 4.38 | 0.00     | 211672 | 65.0 | 31.9   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 12.8   | 0.0   | 43.7  |

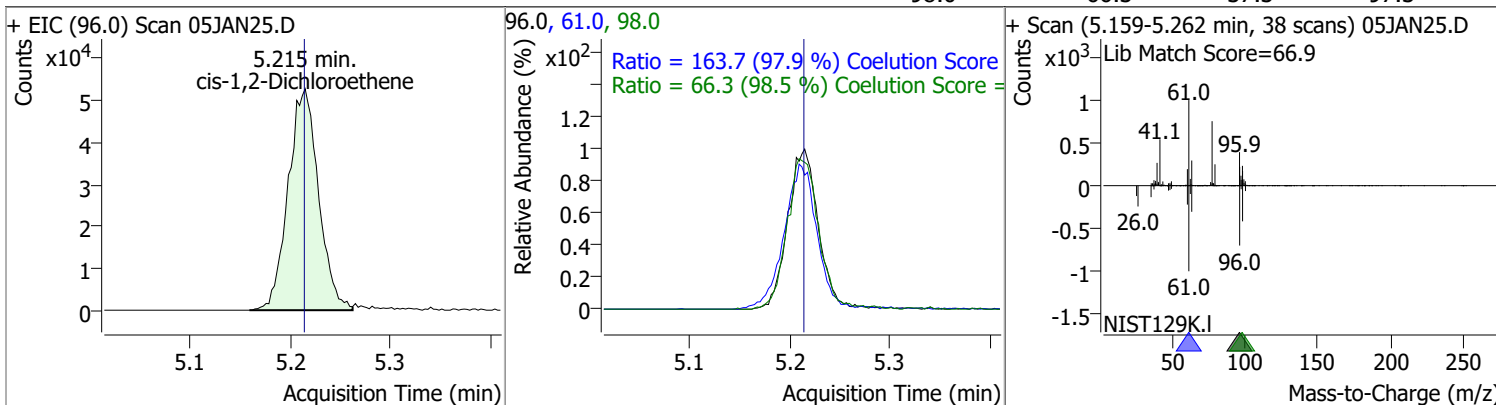


# Quantitation Results Report (QT Reviewed)

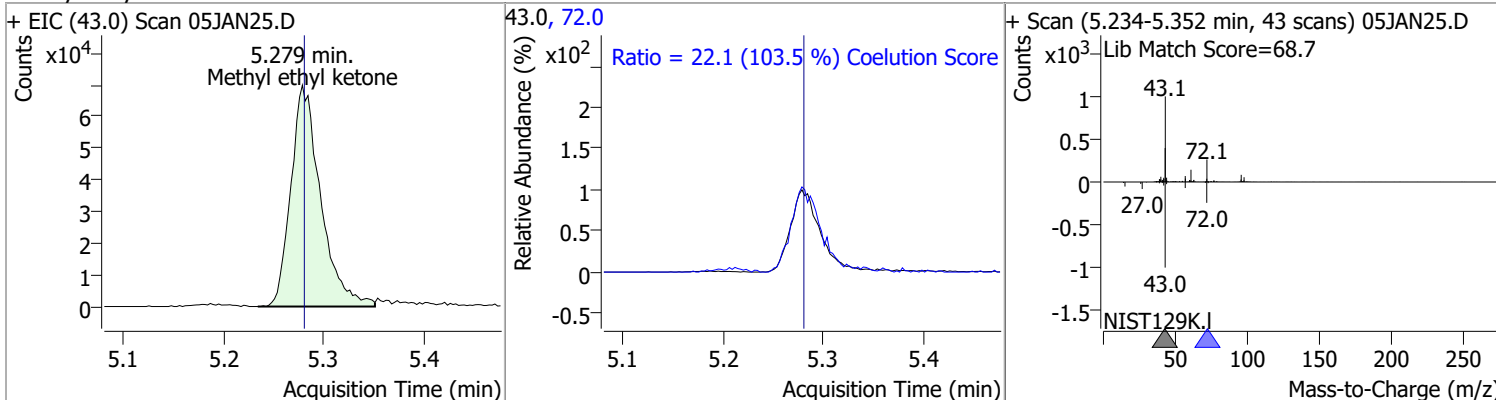
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 132.4872 | 5.20 | 0.00     | 147122 | 41.0 | 69.0   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 23.3   | 0.0   | 53.2  |



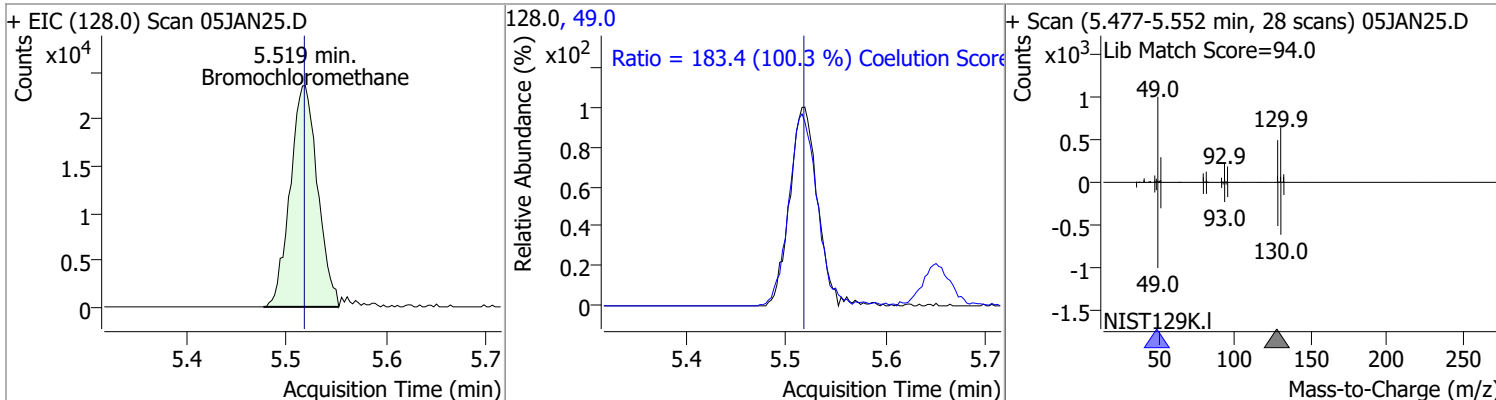
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 137.9124 | 5.21 | 0.00     | 111323 | 61.0 | 163.7  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 66.3   | 37.3  | 97.3  |



| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 1322.9075 | 5.28 | 0.00     | 144644 | 72.0 | 22.1   | 0.0   | 51.3  |

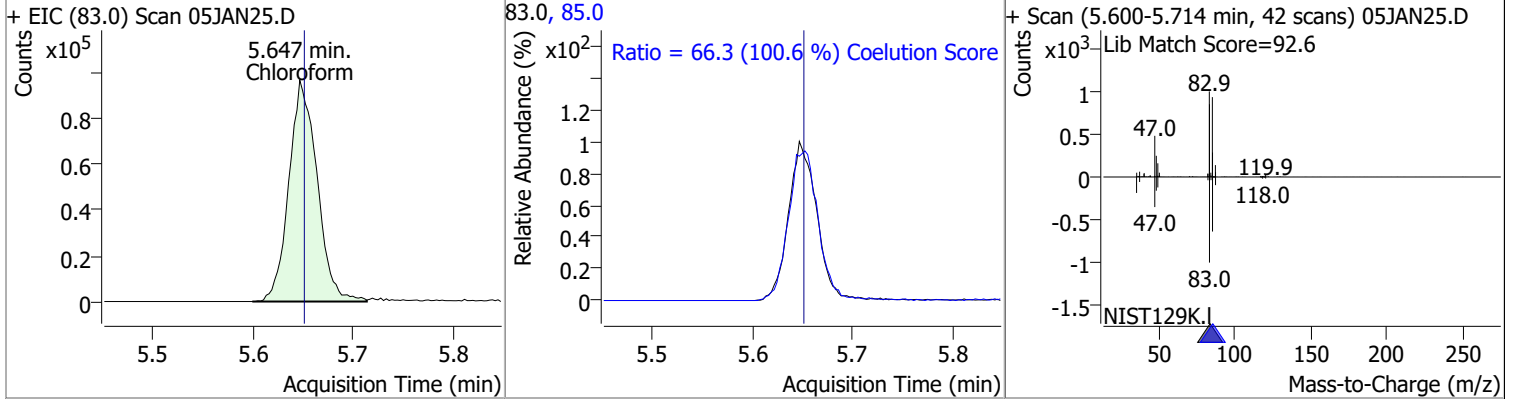


| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 133.7676 | 5.52 | 0.00     | 44732 | 49.0 | 183.4  | 152.9 | 212.9 |

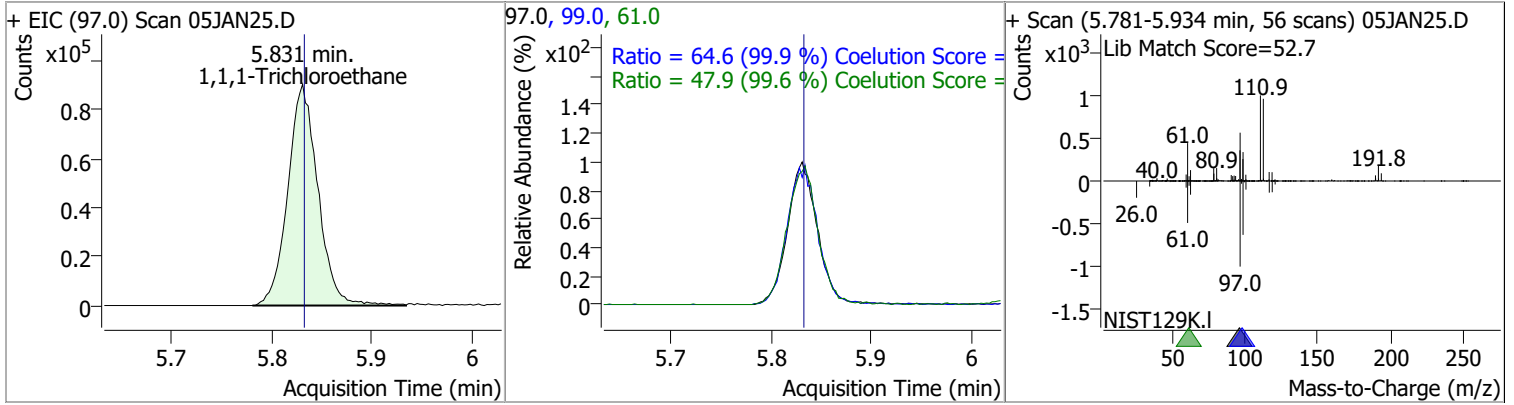


# Quantitation Results Report (QT Reviewed)

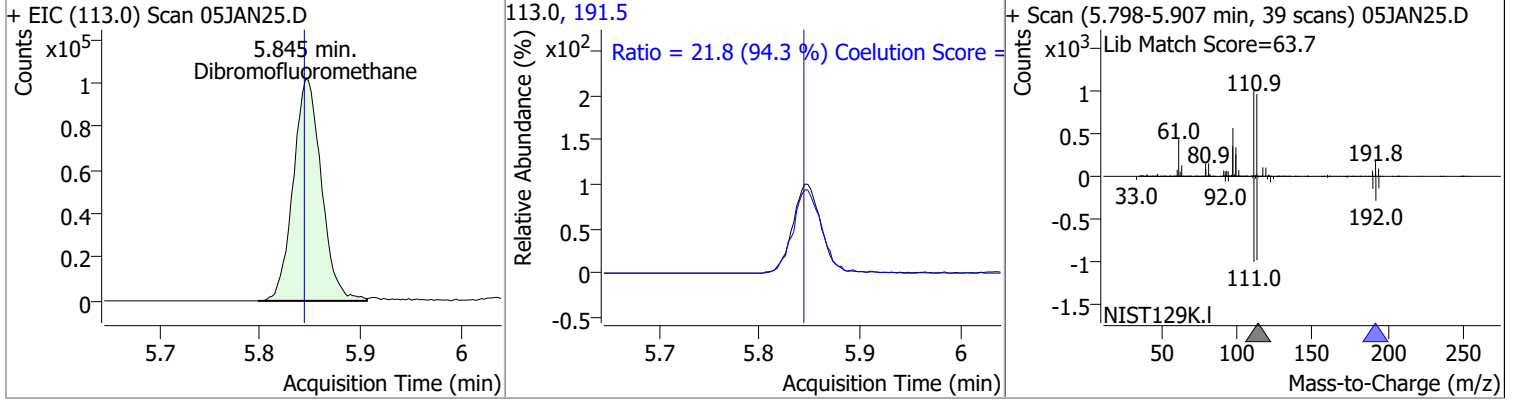
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroform | 128.6381 | 5.65 | -0.01    | 189725 | 85.0 | 66.3   | 36.0  | 96.0  |



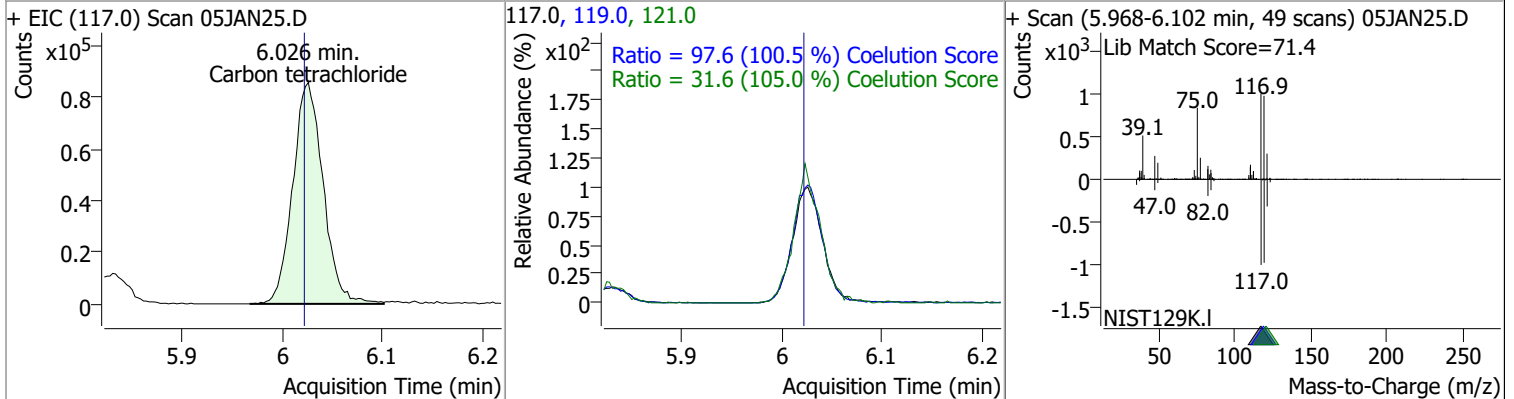
| Compound              | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1,1-Trichloroethane | 136.2713 | 5.83 | 0.00     | 188353 | 99.0 | 64.6   | 34.7  | 94.7  |
|                       |          |      |          |        | 61.0 | 47.9   | 18.1  | 78.1  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Dibromofluoromethane | 273.1160 | 5.85 | 0.00     | 199345 | 191.5 | 21.8   | 0.0   | 53.1  |

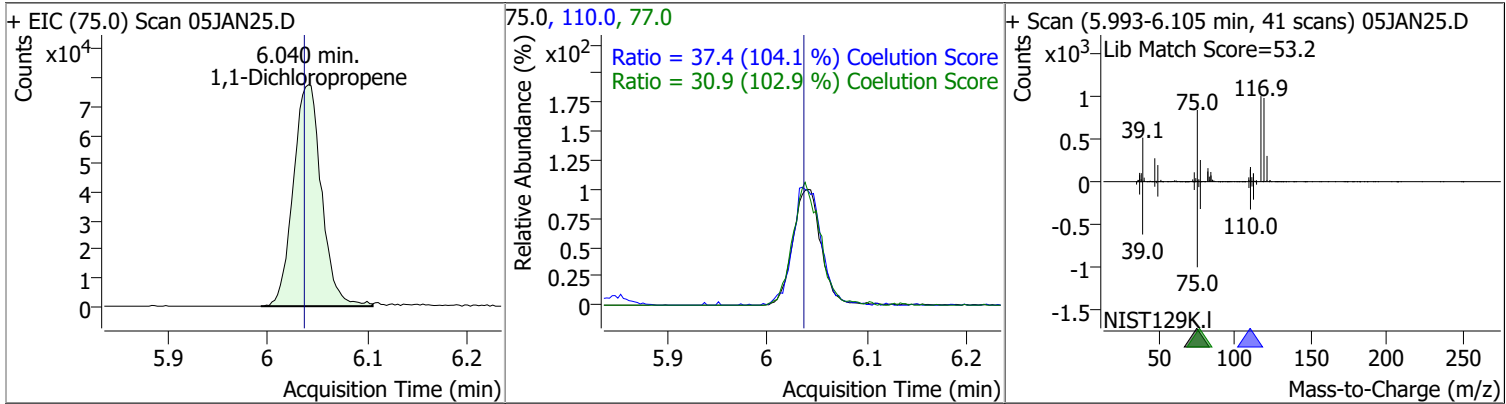


| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Carbon tetrachloride | 132.5551 | 6.03 | 0.00     | 180517 | 119.0 | 97.6   | 67.2  | 127.2 |
|                      |          |      |          |        | 121.0 | 31.6   | 0.1   | 60.1  |

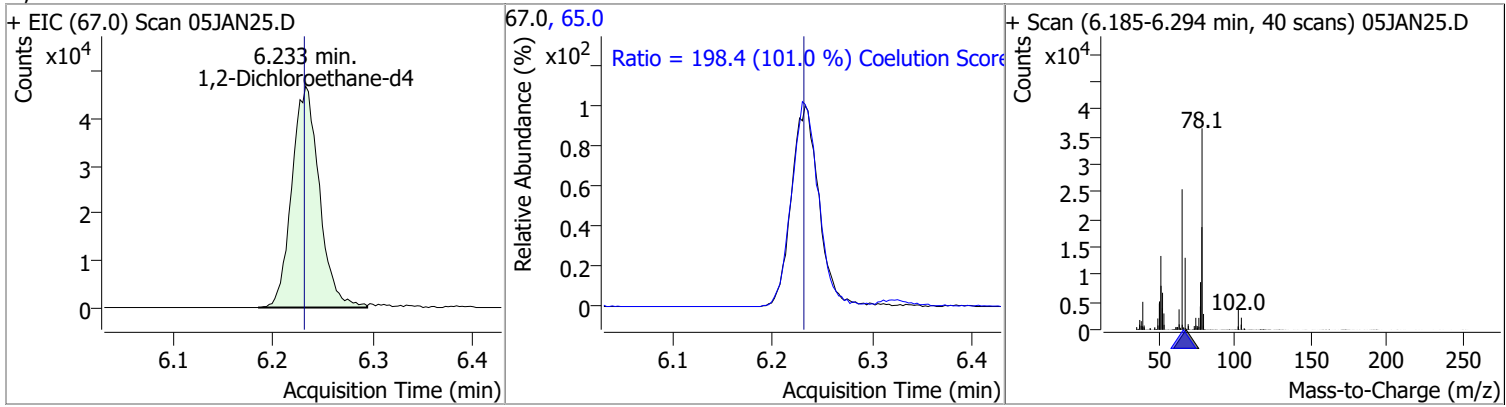


# Quantitation Results Report (QT Reviewed)

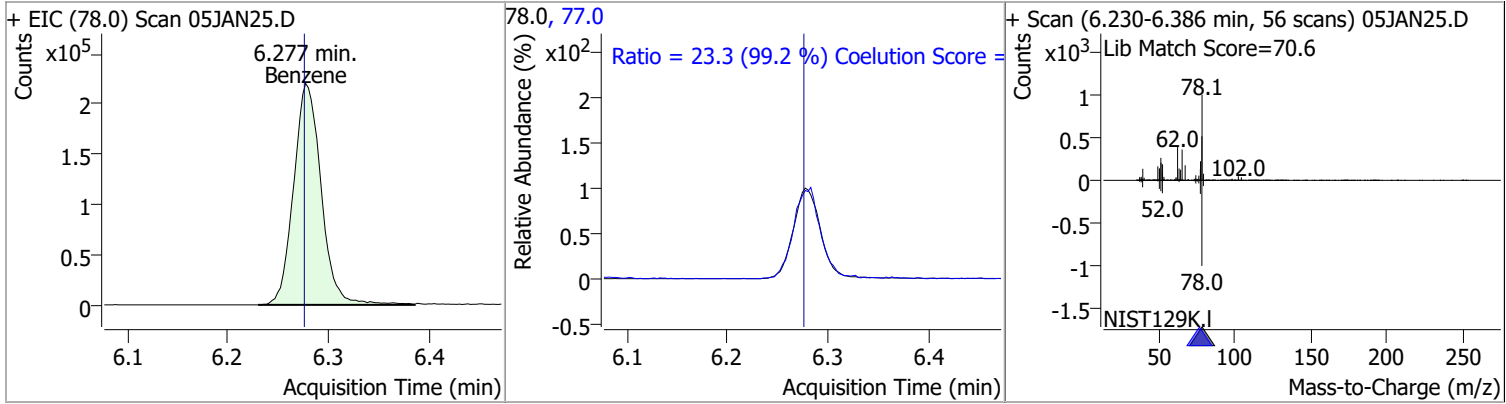
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 129.1553 | 6.04 | 0.00     | 151786 | 110.0 | 37.4   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.9   | 0.1   | 60.1  |



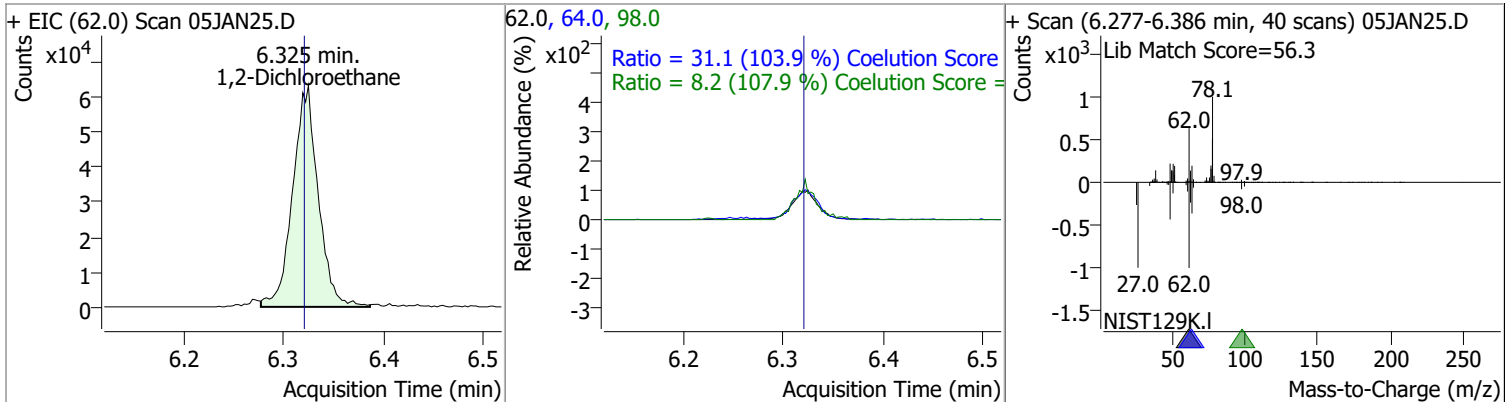
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 283.1311 | 6.23 | 0.00     | 89260 | 65.0 | 198.4  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 136.3407 | 6.28 | 0.00     | 420571 | 77.0 | 23.3   | 0.0   | 53.5  |

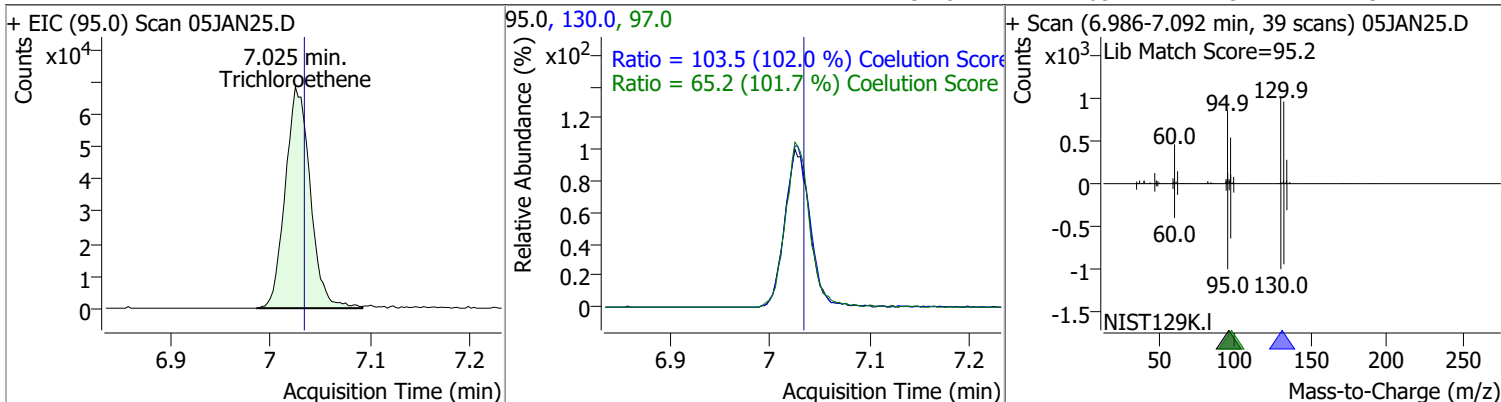


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 134.1463 | 6.32 | 0.00     | 111944 | 64.0 | 31.1   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 8.2    | 0.0   | 37.6  |

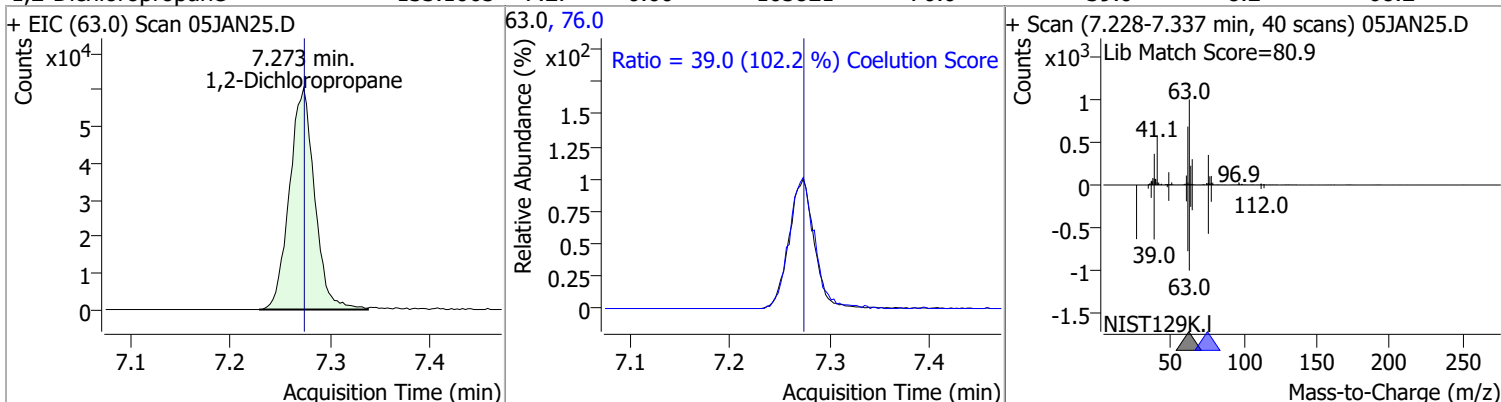


# Quantitation Results Report (QT Reviewed)

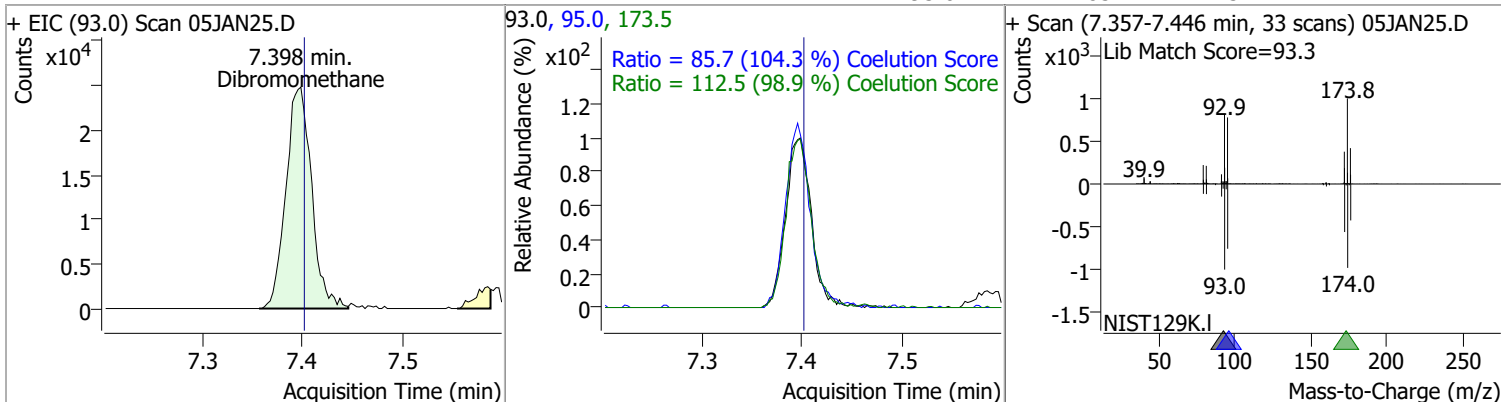
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 131.9029 | 7.02 | -0.01    | 119213 | 130.0 | 103.5  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 65.2   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloropropane | 133.1065 | 7.27 | 0.00     | 105821 | 76.0 | 39.0   | 8.2   | 68.2  |



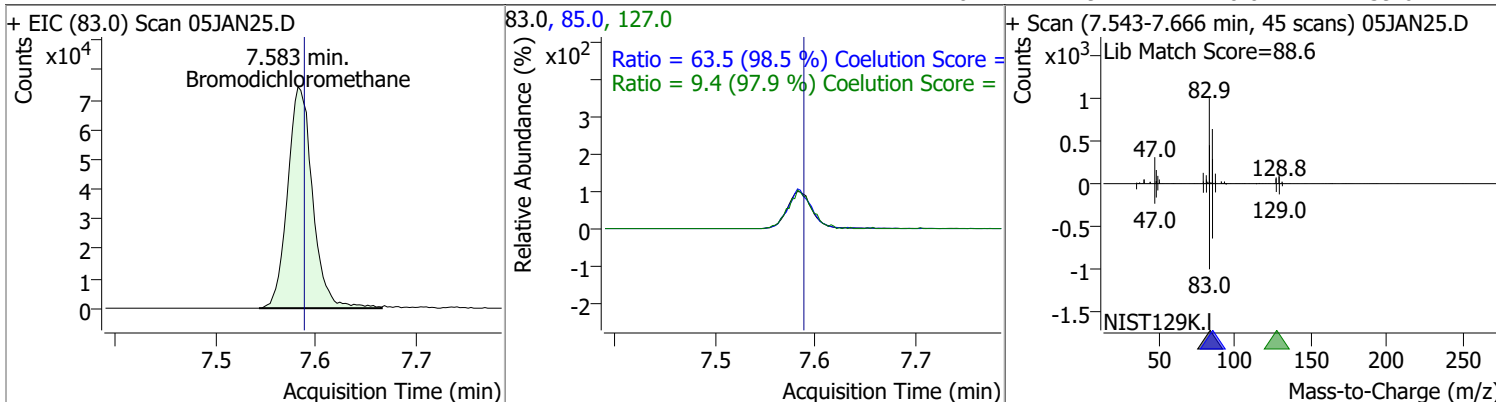
| Compound       | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 131.6369 | 7.40 | 0.00     | 44225 | 173.5 | 112.5  | 83.7  | 143.7 |
|                |          |      |          |       | 95.0  | 85.7   | 52.2  | 112.2 |



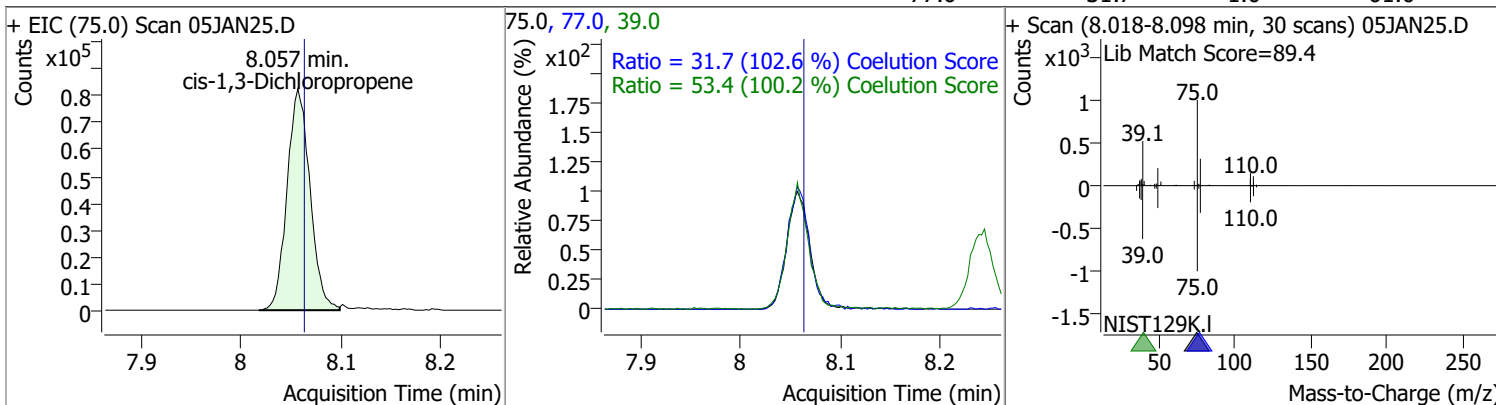


# Quantitation Results Report (QT Reviewed)

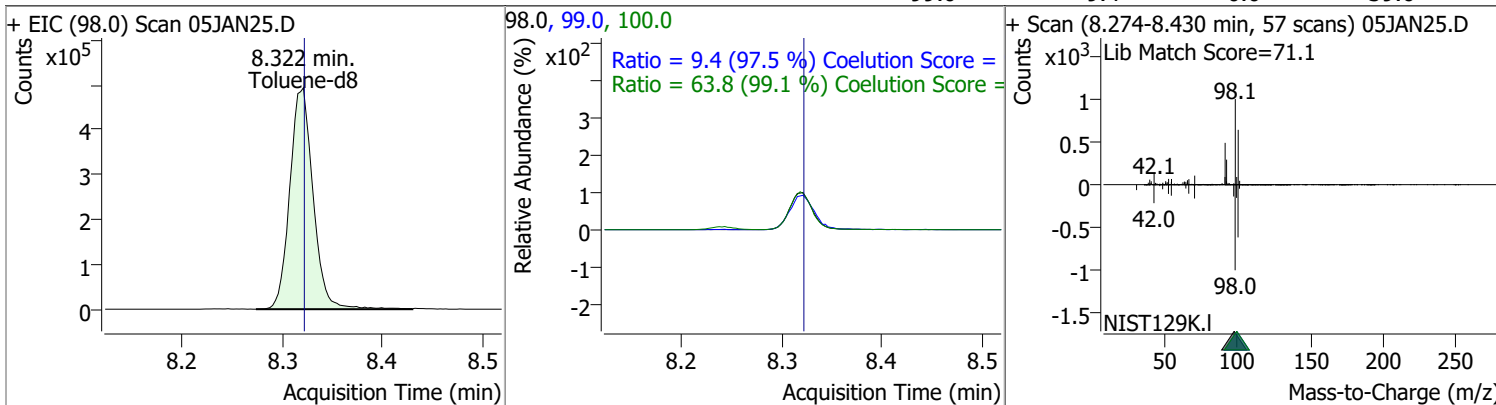
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 138.9313 | 7.58 | 0.00     | 128815 | 85.0  | 63.5   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.4    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 125.5322 | 8.06 | 0.00     | 131596 | 39.0 | 53.4   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 31.7   | 1.0   | 61.0  |



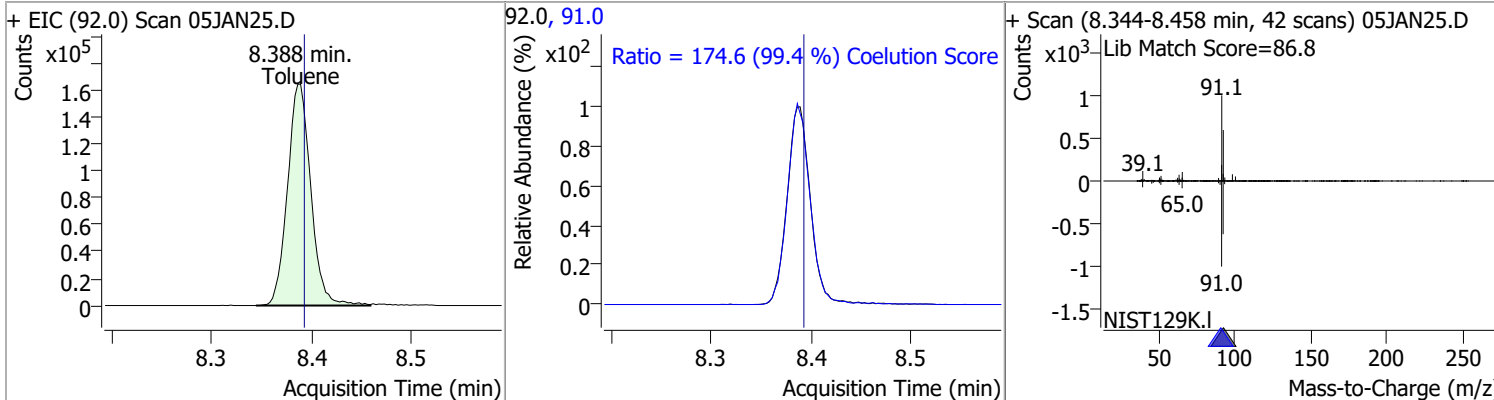
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 276.1949 | 8.32 | 0.00     | 797612 | 100.0 | 63.8   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.4    | 0.0   | 39.6  |



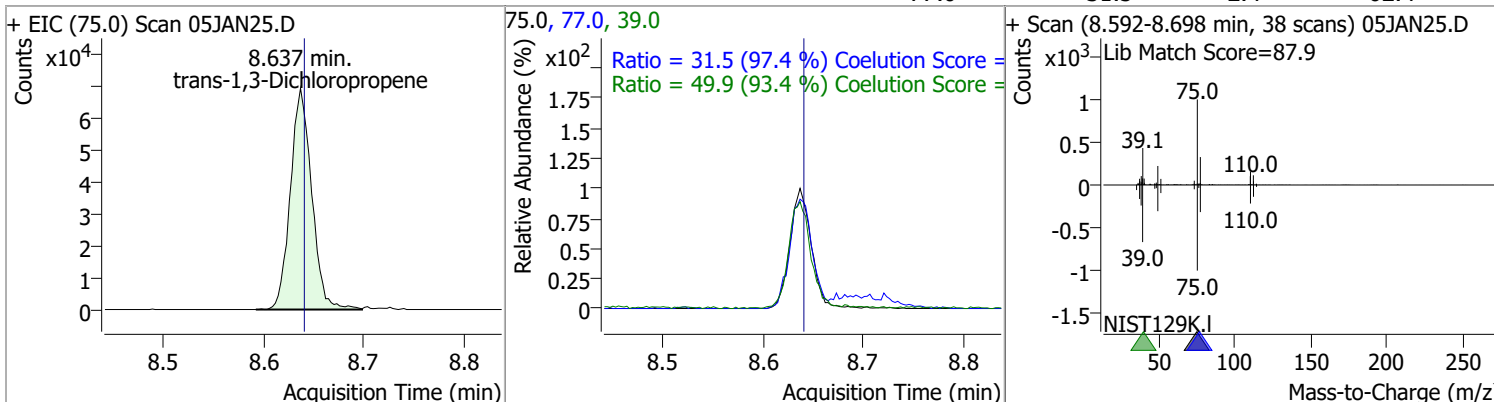


# Quantitation Results Report (QT Reviewed)

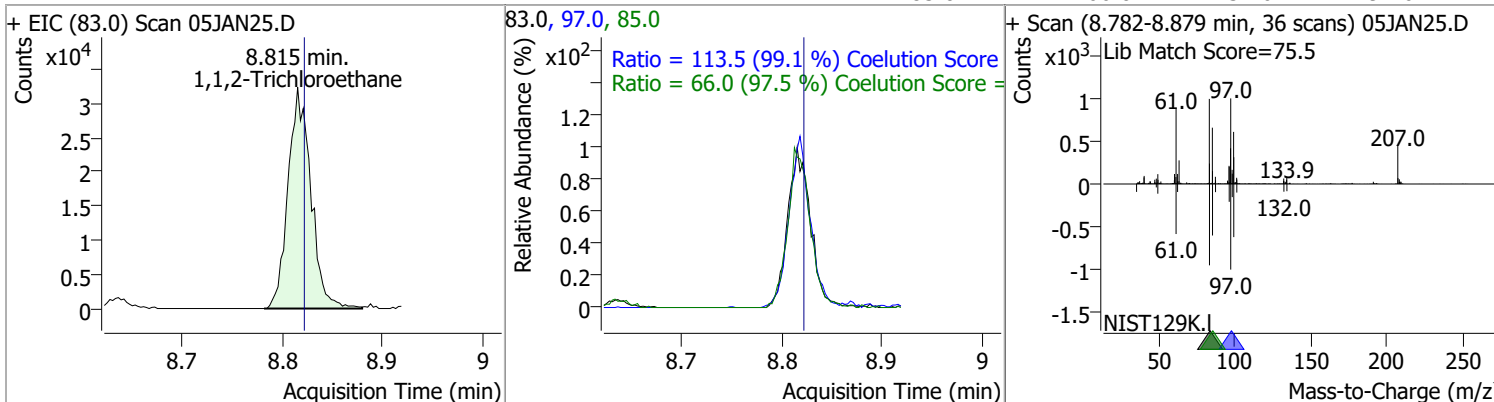
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Toluene  | 136.0530 | 8.39 | 0.00     | 265405 | 91.0 | 174.6  | 145.8 | 205.8 |



| Compound                  | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|--------|------|--------|-------|-------|
| trans-1,3-Dichloropropene | 137.9961 | 8.64 | 0.00     | 102973 | 39.0 | 49.9   | 23.4  | 83.4  |
|                           |          |      |          |        | 77.0 | 31.5   | 2.4   | 62.4  |

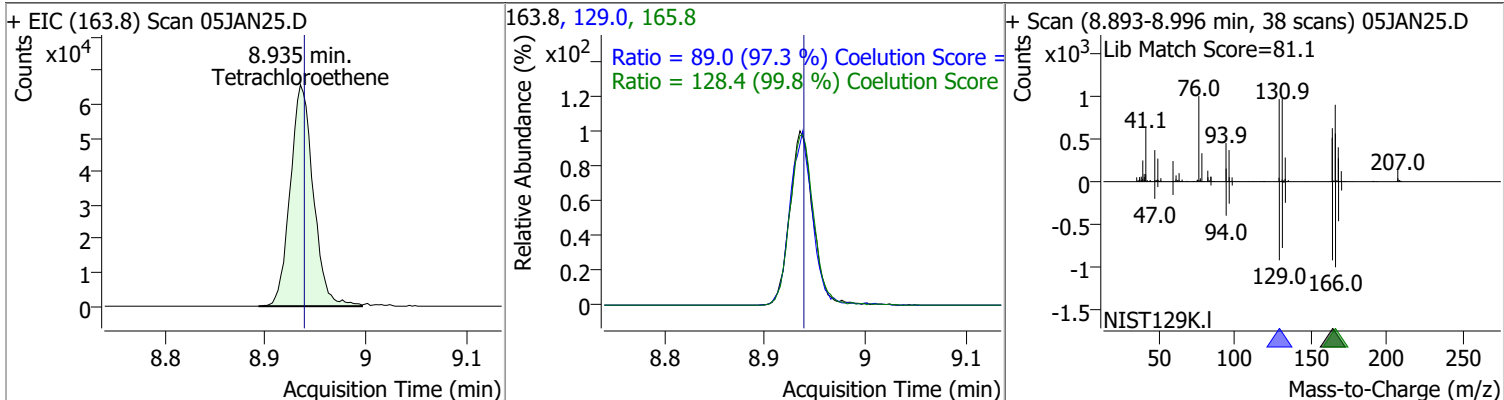


| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1,2-Trichloroethane | 131.1425 | 8.82 | 0.00     | 50972 | 97.0 | 113.5  | 84.6  | 144.6 |
|                       |          |      |          |       | 85.0 | 66.0   | 37.6  | 97.6  |

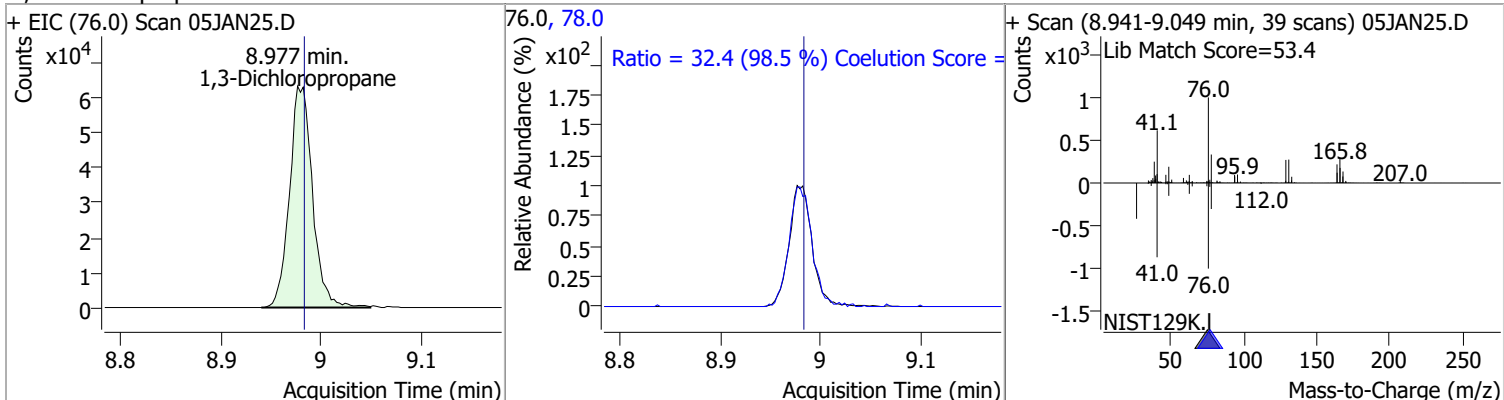


# Quantitation Results Report (QT Reviewed)

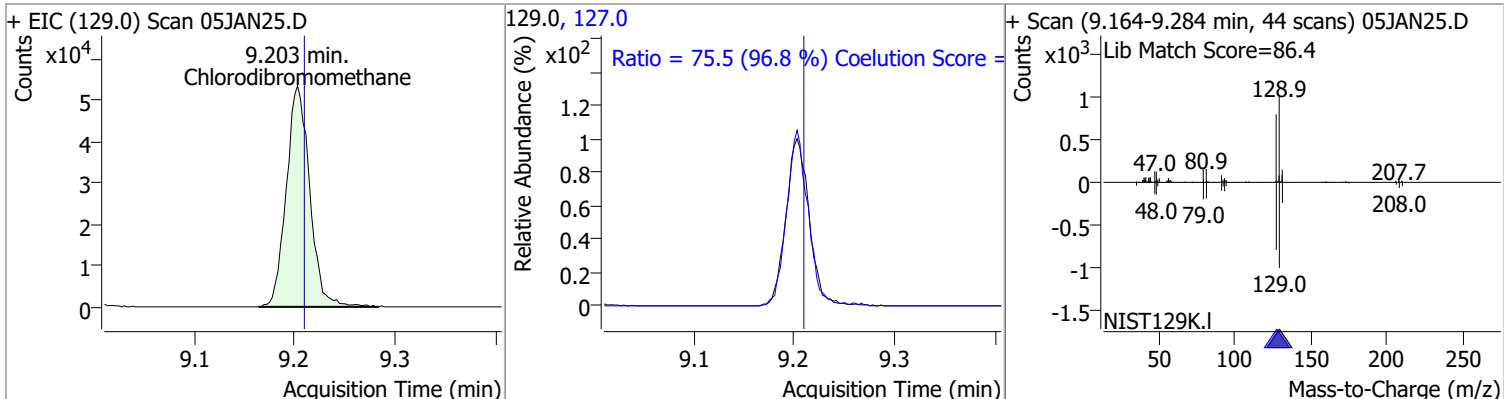
| Compound          | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Tetrachloroethene | 131.8777 | 8.94 | 0.00     | 104953 | 165.8 | 128.4  | 98.6  | 158.6 |
|                   |          |      |          |        | 129.0 | 89.0   | 61.5  | 121.5 |



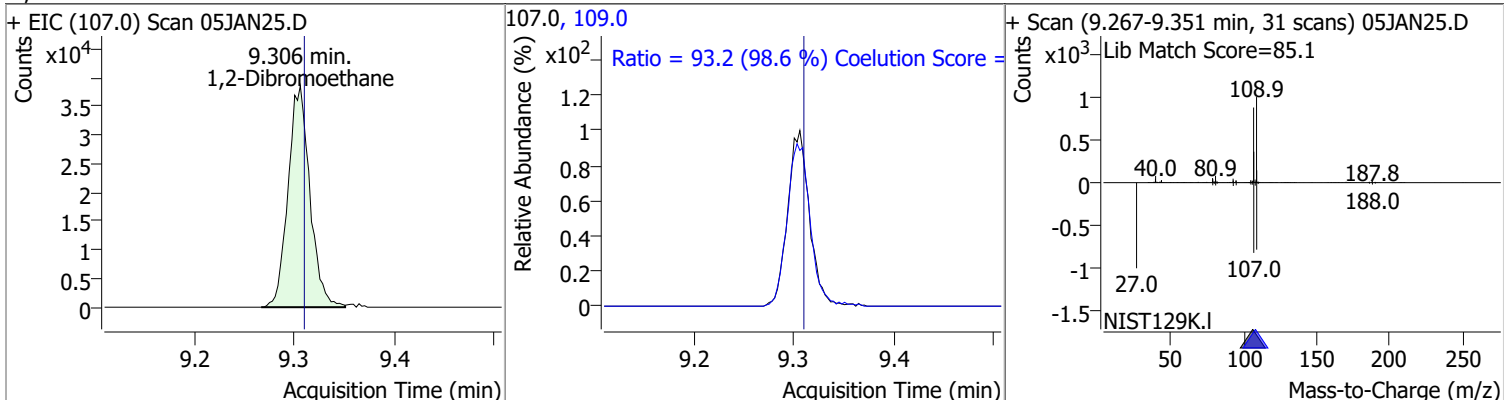
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,3-Dichloropropane | 132.2893 | 8.98 | 0.00     | 101137 | 78.0 | 32.4   | 2.9   | 62.9  |



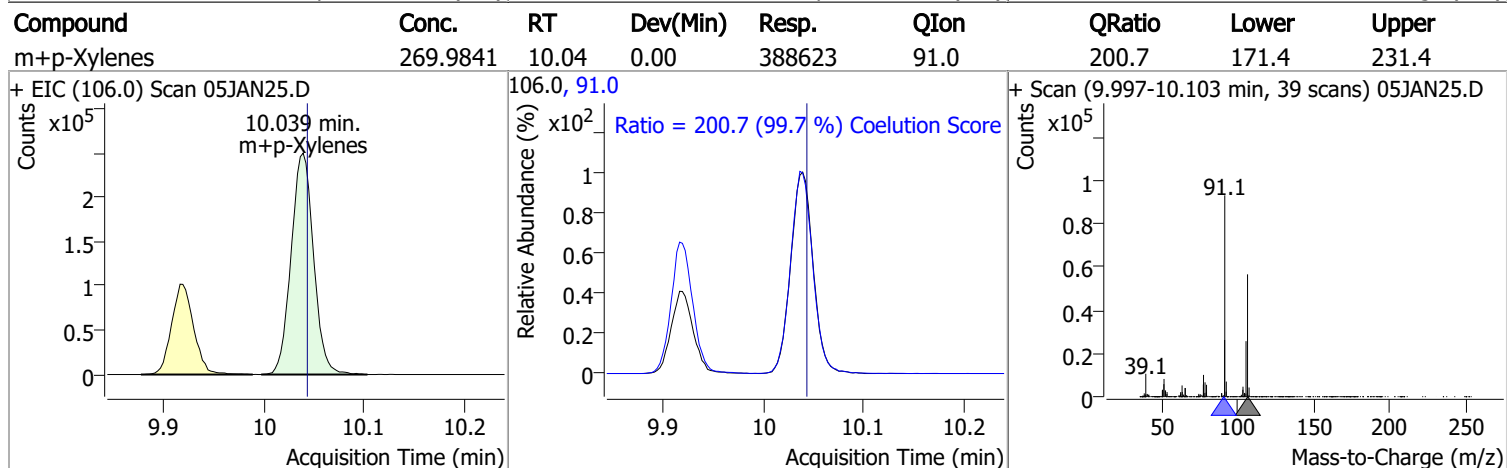
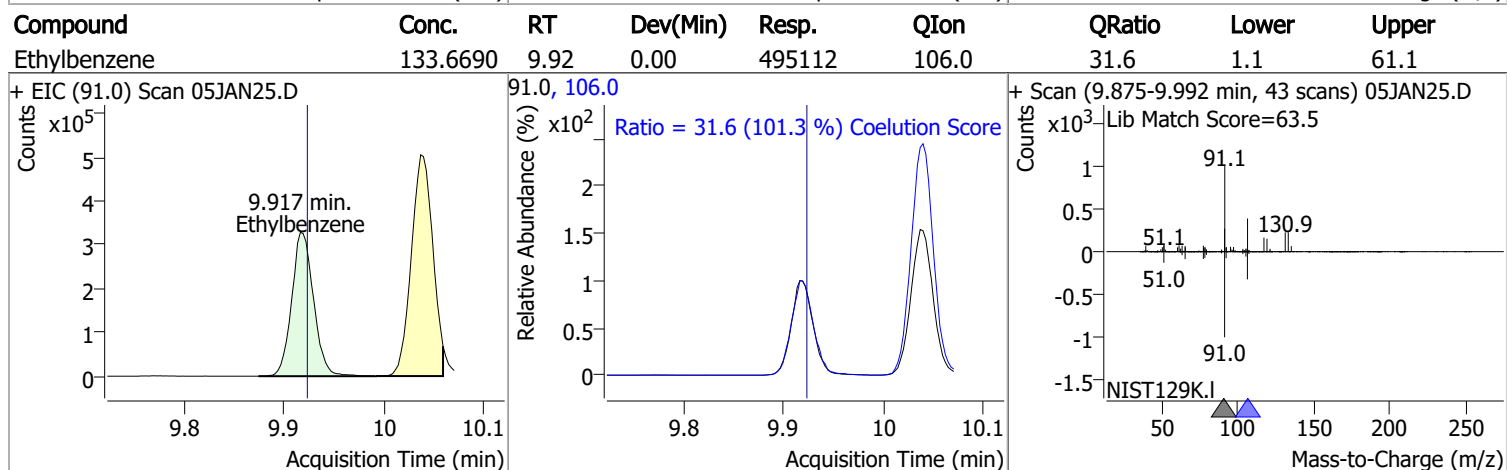
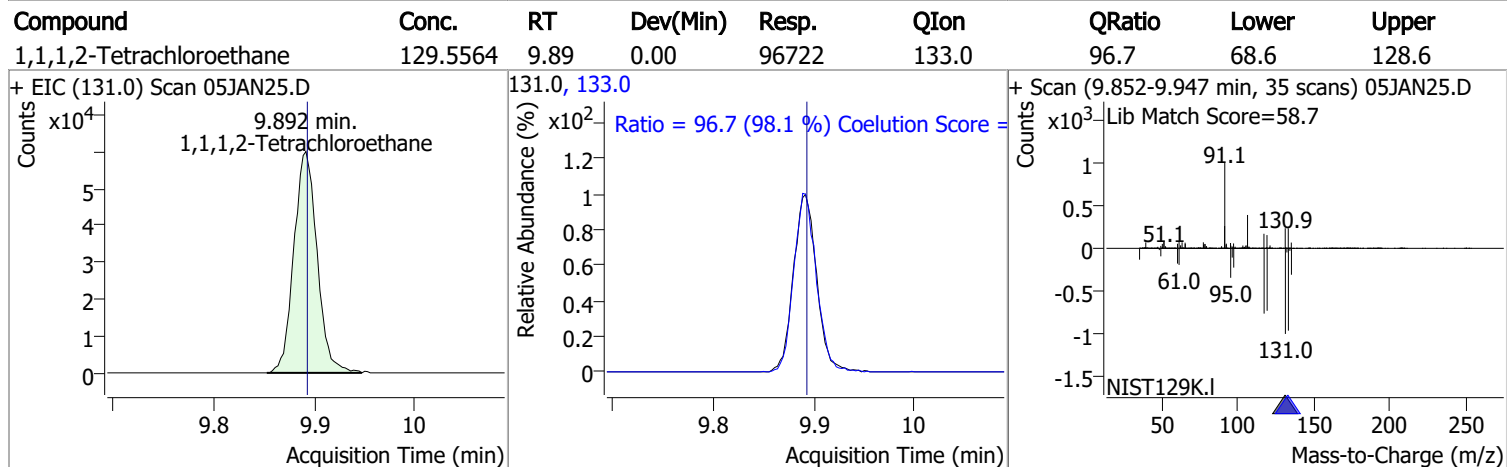
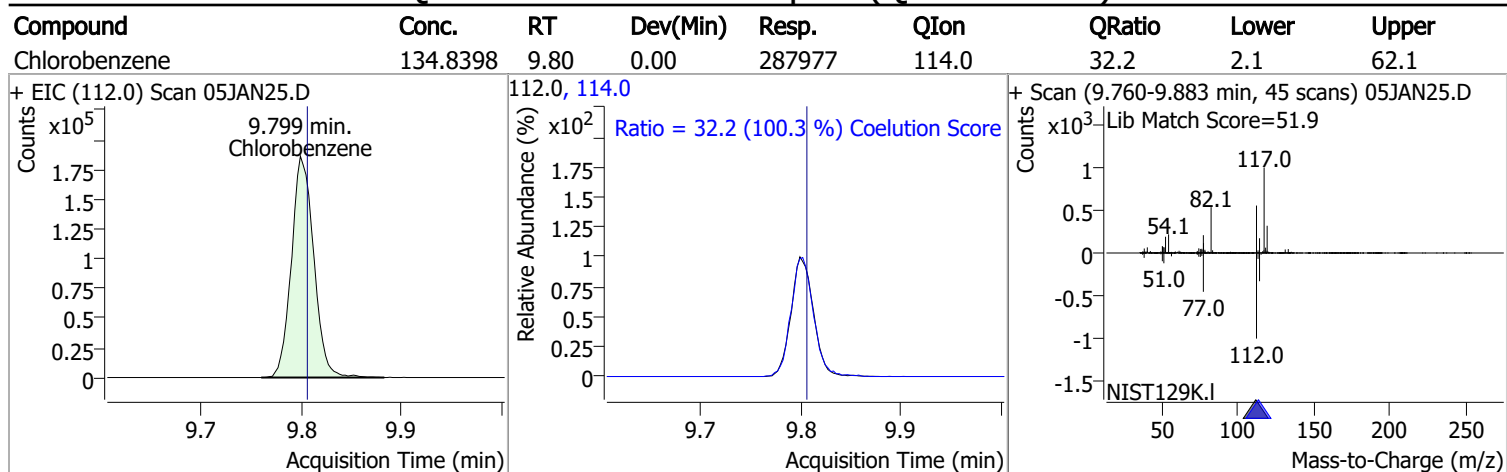
| Compound             | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 142.8165 | 9.20 | 0.00     | 86755 | 127.0 | 75.5   | 48.0  | 108.0 |



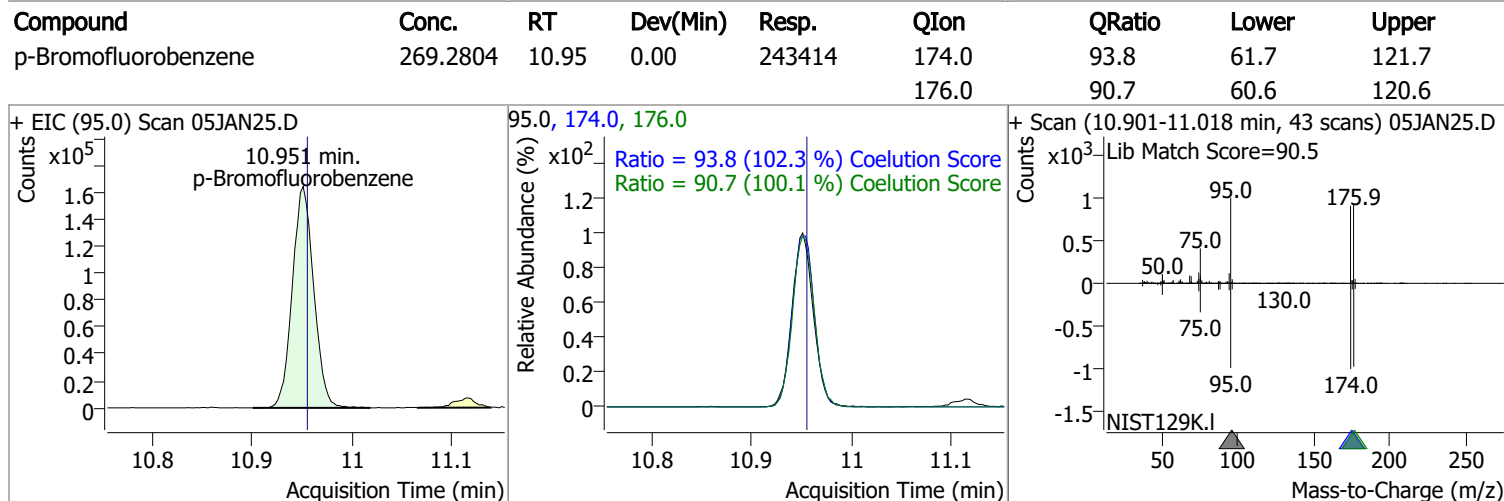
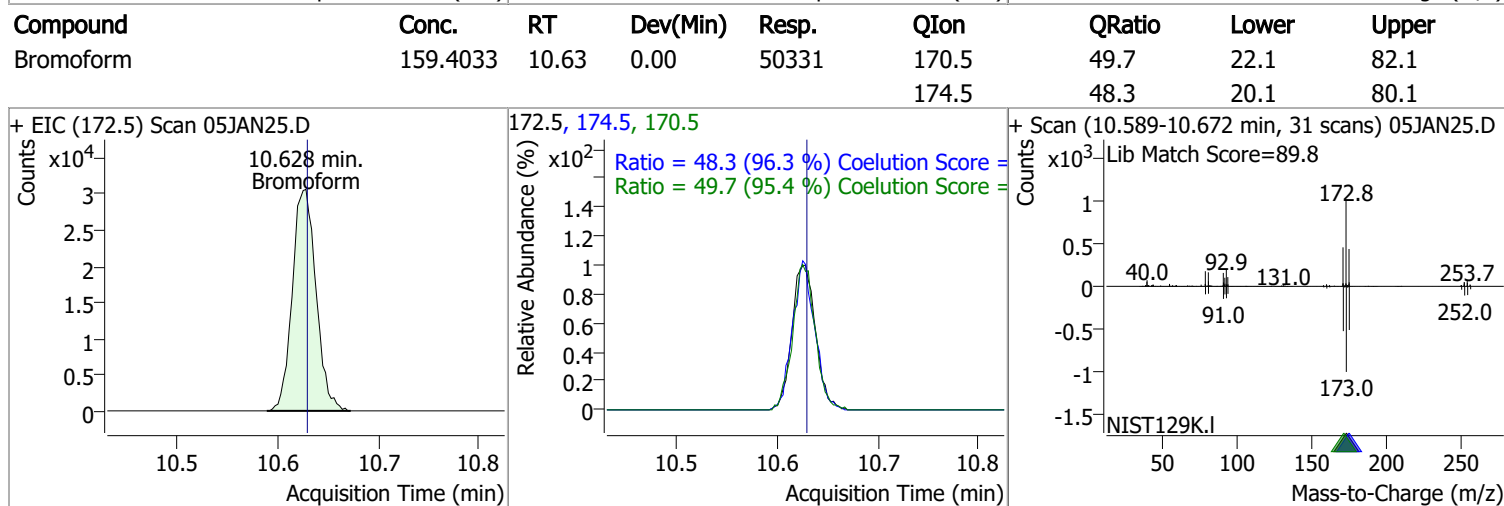
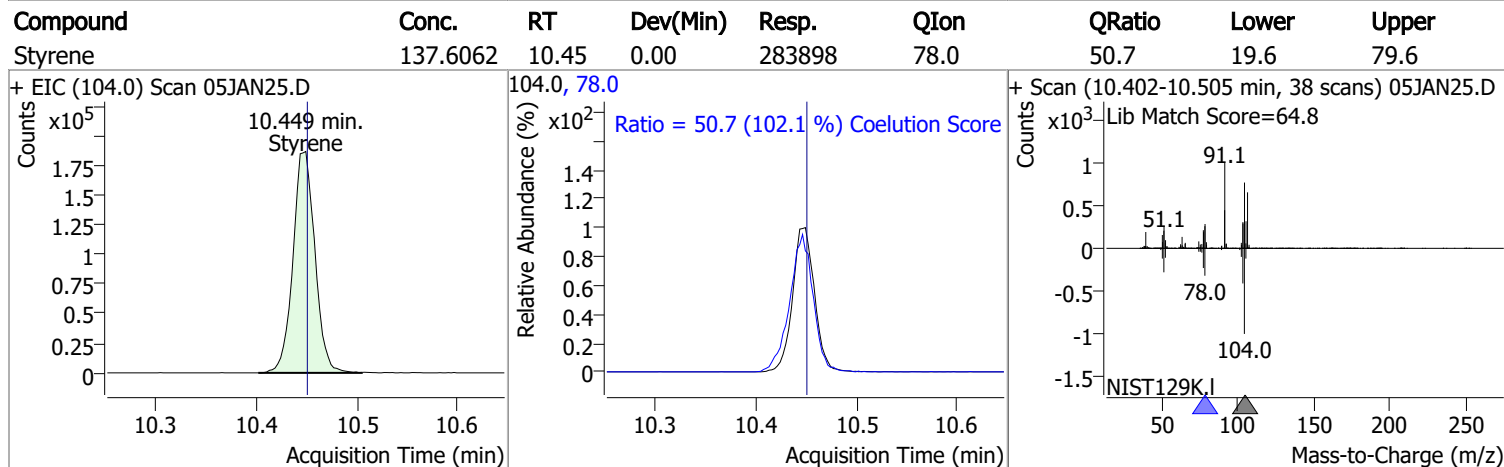
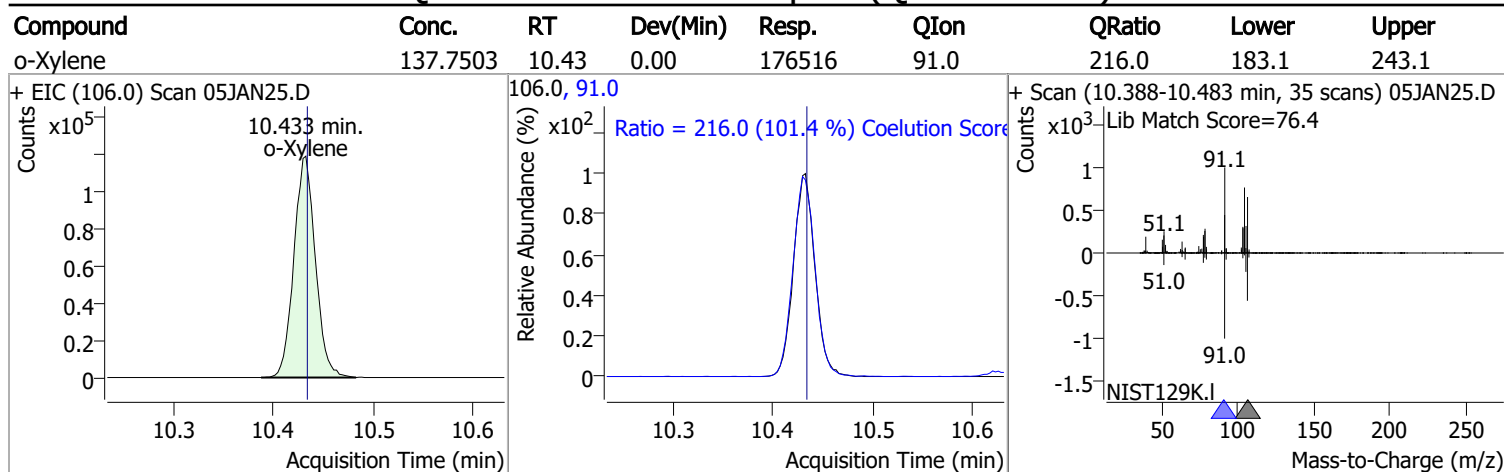
| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 137.0445 | 9.31 | 0.00     | 58242 | 109.0 | 93.2   | 64.5  | 124.5 |



# Quantitation Results Report (QT Reviewed)

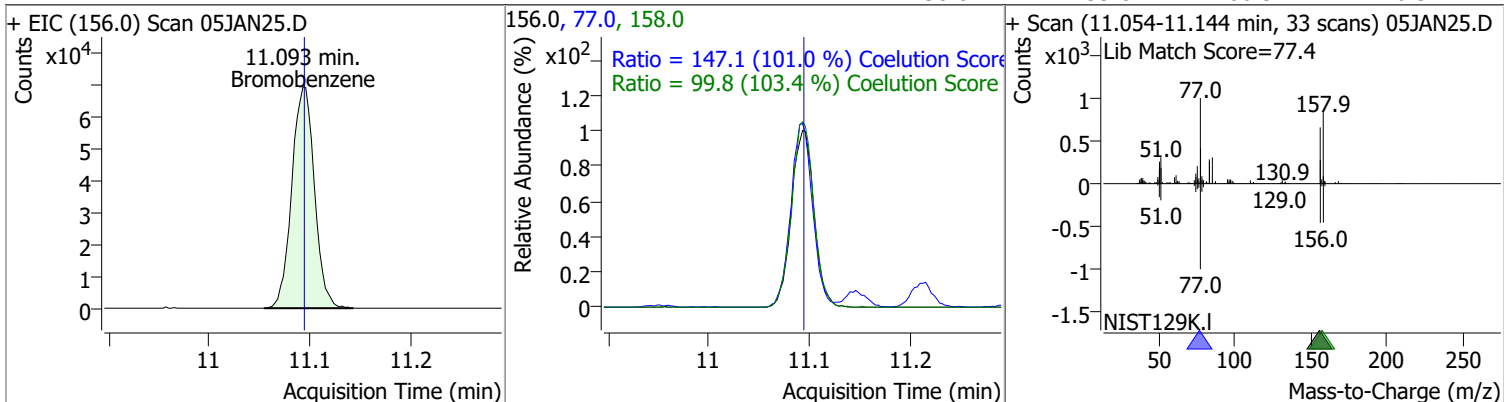


# Quantitation Results Report (QT Reviewed)

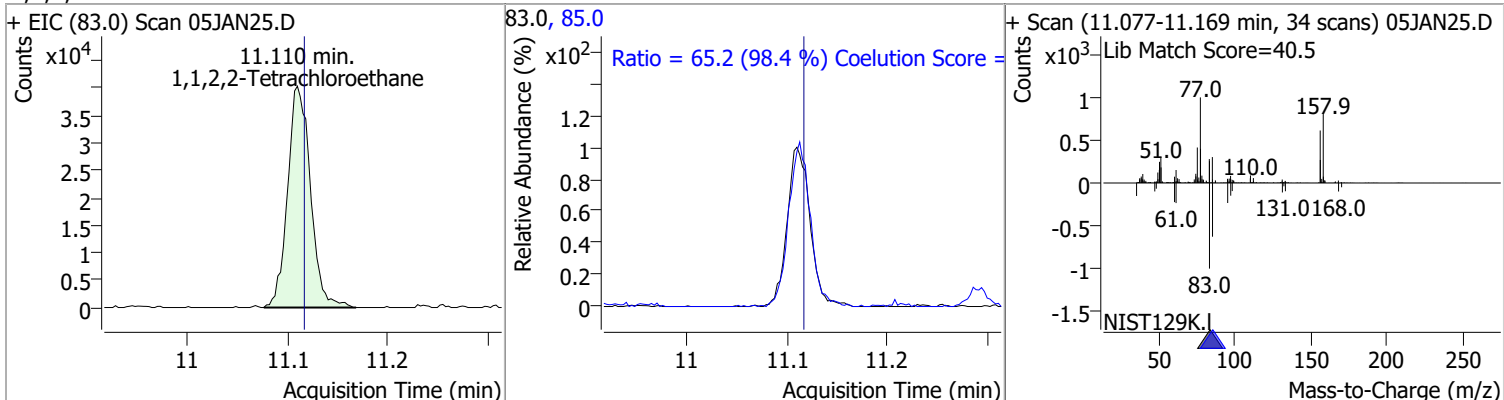


# Quantitation Results Report (QT Reviewed)

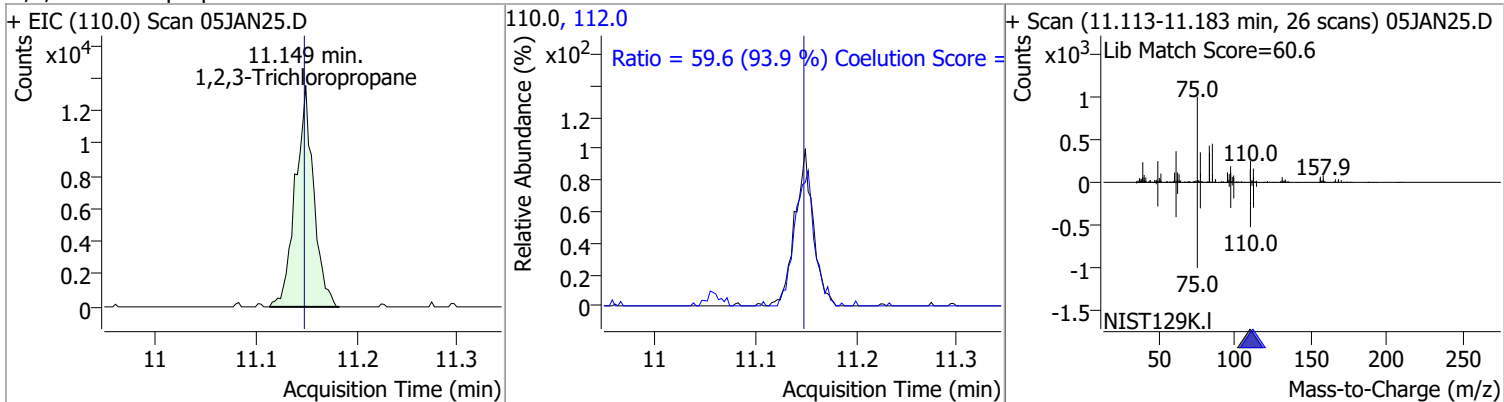
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 135.7371 | 11.09 | 0.00     | 108389 | 77.0  | 147.1  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 99.8   | 66.5  | 126.5 |



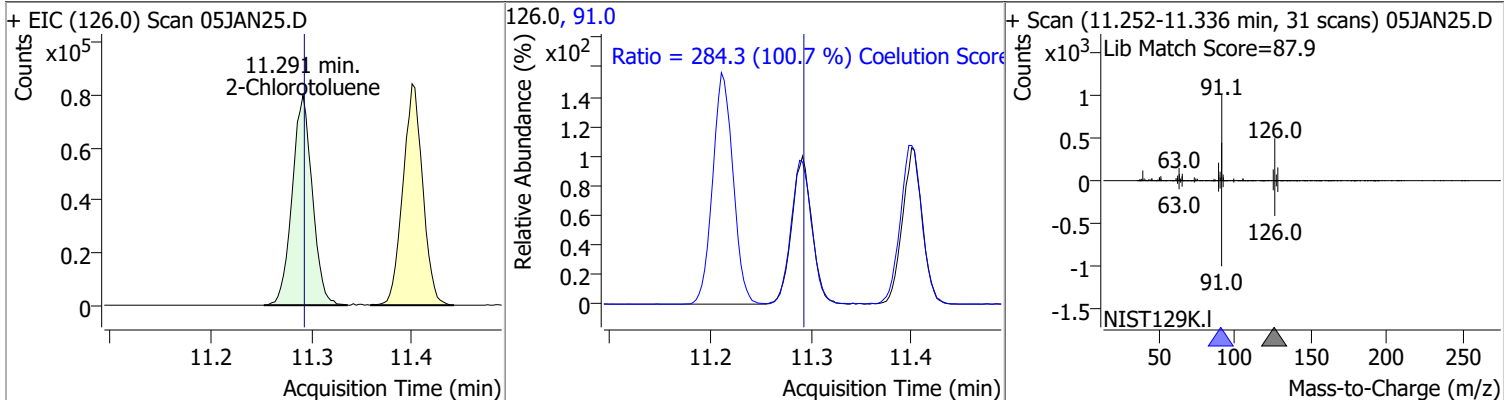
| Compound                  | Conc.    | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 138.8366 | 11.11 | -0.01    | 63810 | 85.0 | 65.2   | 36.2  | 96.2  |



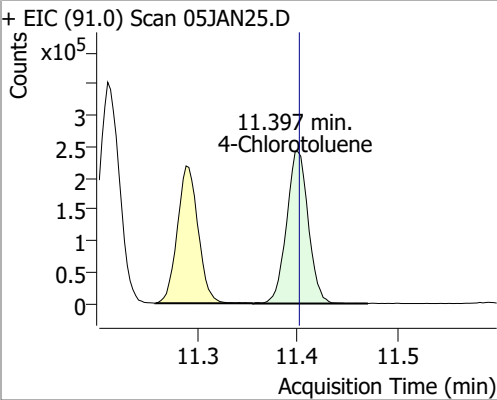
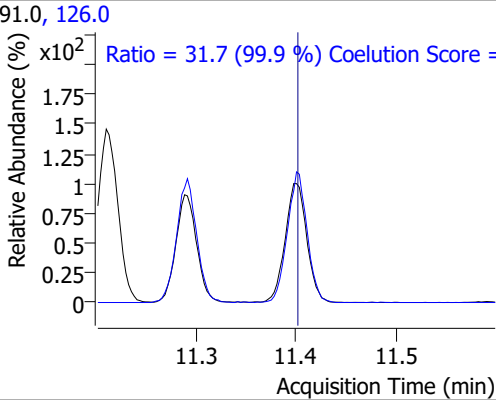
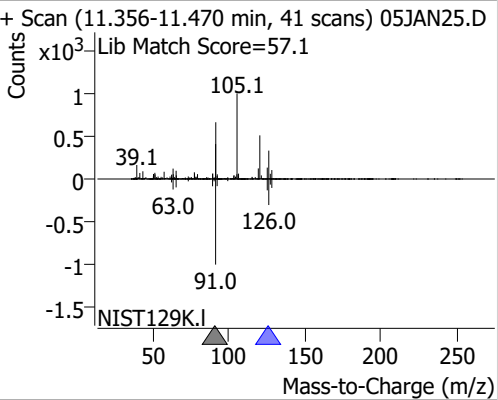
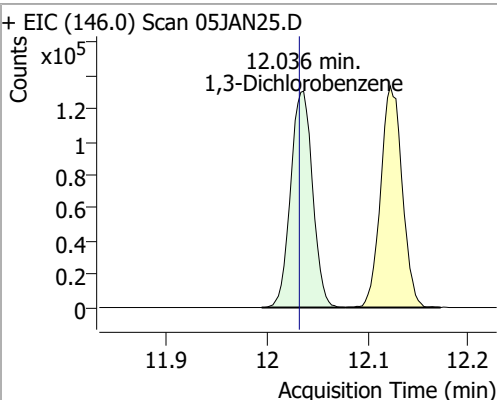
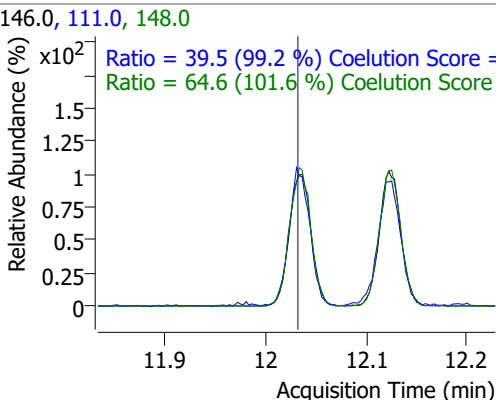
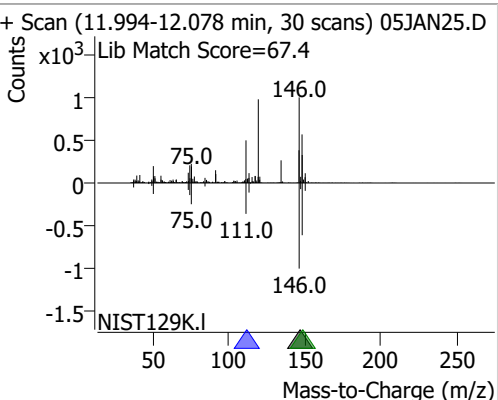
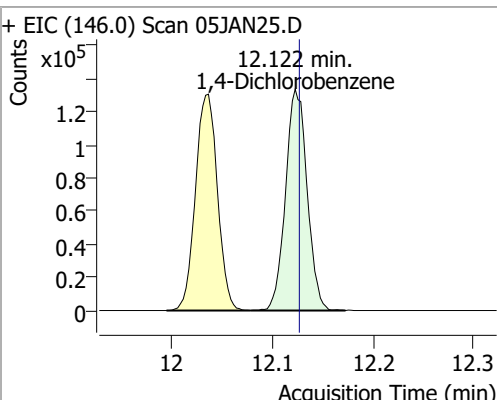
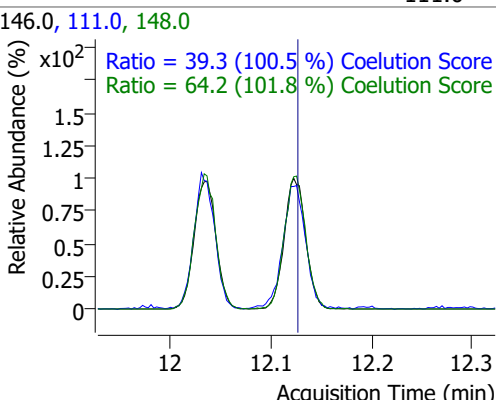
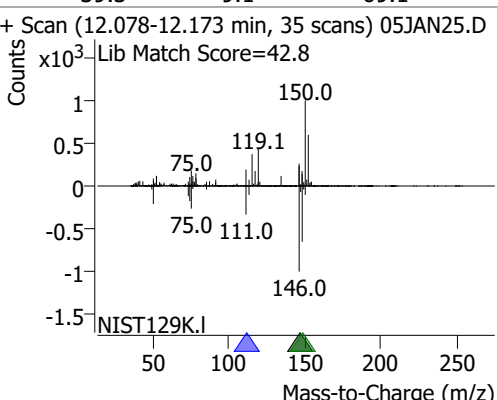
| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 139.4971 | 11.15 | 0.00     | 17155 | 112.0 | 59.6   | 33.5  | 93.5  |



| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 140.1526 | 11.29 | 0.00     | 111355 | 91.0 | 284.3  | 252.3 | 312.3 |

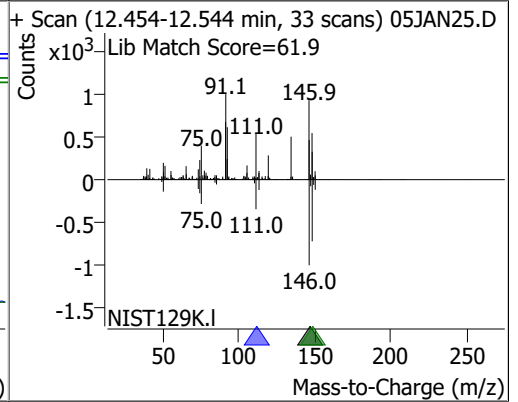
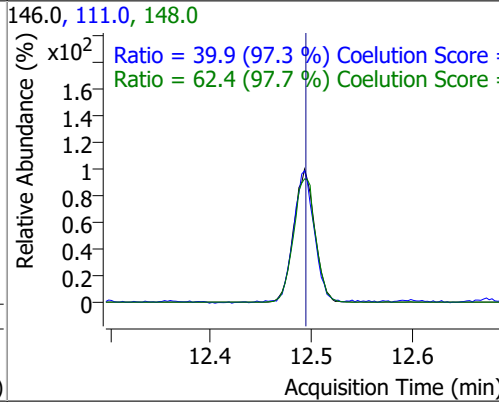
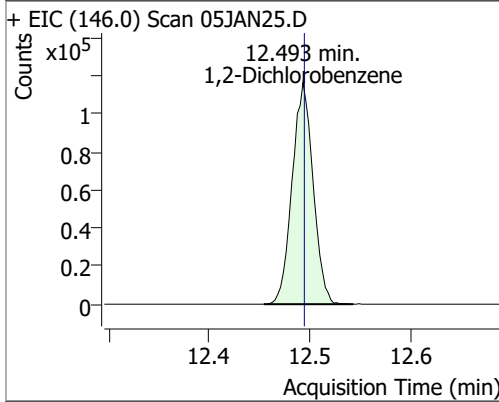


# Quantitation Results Report (QT Reviewed)

| Compound   | Conc.    | RT    | Dev(Min)   | Resp.  | QIon  | QRatio  | Lower | Upper |
|--|----------|-------|--|--------|-------|---|-------|-------|
| 4-Chlorotoluene  | 140.6899 | 11.40 | 0.00   | 364459 | 126.0 | 31.7  | 1.7   | 61.7  |
|    |          |       |    |        |       |    |       |       |
| 1,3-Dichlorobenzene  | 136.2791 | 12.04 | 0.01   | 198469 | 148.0 | 64.6  | 33.6  | 93.6  |
|   |          |       |   |        |       |   |       |       |
| 1,4-Dichlorobenzene  | 134.3028 | 12.12 | 0.00   | 199434 | 148.0 | 64.2  | 33.1  | 93.1  |
|  |          |       |  |        |       |  |       |       |

# Quantitation Results Report (QT Reviewed)

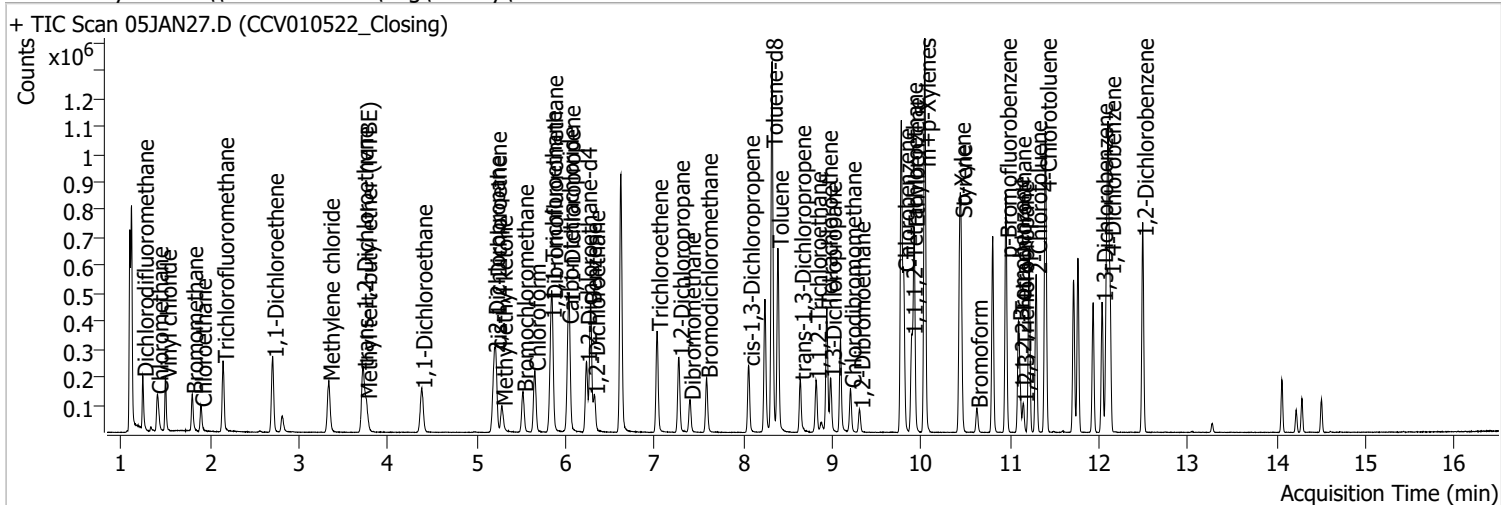
| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 136.8411 | 12.49 | 0.00     | 168422 | 148.0 | 62.4   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 39.9   | 11.0  | 71.0  |





# Quantitation Results Report (QT Reviewed)

|                |                                     |                   |                       |
|----------------|-------------------------------------|-------------------|-----------------------|
| Data File      | 05JAN27.D                           | Operator          | MSC                   |
| Acq. Method    | 5975CACQF.M                         | Acq. Date-Time    | 1/5/2022 9:55:17 PM   |
| Sample Name    | CCV010522_Closing                   | Instrument        | VOA5975C              |
| Vial           | 27                                  | Multiplier        | 1.00                  |
| DA Method File | VOA5975C_8260B_SHT_DoD_L4_010422.m  | Comment           |                       |
| Tune File      | BFB_Atune3.u                        | Tune Date         | 10/11/2021 4:02:00 PM |
| Batch Name     | VG010522_8260B.batch.bin            | Last Calib Update | 2/28/2022 2:48:47 PM  |
| Ref Library    | \\MASSHUNTER\Org\Library\NIST129K.I |                   |                       |



| Compound                           | RT     | QIon                 | Resp.  | Conc.              | Units | Dev(Min) |
|------------------------------------|--------|----------------------|--------|--------------------|-------|----------|
| <b>Internal Standards</b>          |        |                      |        |                    |       |          |
| M Fluorobenzene                    | 6.618  | 96.0                 | 792987 | 250.0000           | ng    | -0.006   |
| M Chlorobenzene-d5                 | 9.774  | 82.0                 | 303776 | 250.0000           | ng    | 0.003    |
| M 1,4-Dichlorobenzene-d4           | 12.100 | 152.0                | 251051 | 250.0000           | ng    | 0.000    |
| <b>System Monitoring Compounds</b> |        |                      |        |                    |       |          |
| S Dibromofluoromethane             | 5.848  | 113.0                | 202444 | 270.9825           | ng    | 0.003    |
| Spiked Amount: 250.000             |        | Range: 80.0 - 119.0% |        | Recovery = 108.39% |       |          |
| S 1,2-Dichloroethane-d4            | 6.230  | 67.0                 | 89848  | 278.4412           | ng    | -0.003   |
| Spiked Amount: 250.000             |        | Range: 81.0 - 118.0% |        | Recovery = 111.38% |       |          |
| S Toluene-d8                       | 8.319  | 98.0                 | 805459 | 275.1504           | ng    | 0.000    |
| Spiked Amount: 250.000             |        | Range: 89.0 - 112.0% |        | Recovery = 110.06% |       |          |
| S p-Bromofluorobenzene             | 10.951 | 95.0                 | 244993 | 266.3753           | ng    | -0.003   |
| Spiked Amount: 250.000             |        | Range: 85.0 - 114.0% |        | Recovery = 106.55% |       |          |
| <b>Target Compounds</b>            |        |                      |        |                    |       |          |
| T Dichlorodifluoromethane          | 1.244  | 85.0                 | 125538 | 120.8077           | ng    | 99       |
| T Chloromethane                    | 1.408  | 50.0                 | 147629 | 117.0470           | ng    | 99       |
| T Vinyl chloride                   | 1.500  | 62.0                 | 135486 | 119.3808           | ng    | 93       |
| T Bromomethane                     | 1.799  | 96.0                 | 62776  | 123.7027           | ng    | 97       |
| T Chloroethane                     | 1.896  | 64.0                 | 62102  | 110.5322           | ng    | 97       |
| T Trichlorofluoromethane           | 2.147  | 101.0                | 173239 | 122.9808           | ng    | 99       |
| T 1,1-Dichloroethene               | 2.705  | 96.0                 | 95980  | 120.1615           | ng    | 99       |
| T Methylene chloride               | 3.335  | 49.0                 | 132759 | 112.7466           | ng    | 98       |
| T trans-1,2-Dichloroethene         | 3.715  | 96.0                 | 99903  | 122.5939           | ng    | 98       |
| T Methyl tert-butyl ether (MTBE)   | 3.756  | 73.0                 | 124004 | 117.7262           | ng    | 100      |
| T 1,1-Dichloroethane               | 4.378  | 63.0                 | 185400 | 122.2257           | ng    | 99       |
| T 2,2-Dichloropropane              | 5.195  | 77.0                 | 135270 | 119.0124           | ng    | 99       |
| T cis-1,2-Dichloroethene           | 5.212  | 96.0                 | 100538 | 121.6867           | ng    | 96       |
| T Methyl ethyl ketone              | 5.282  | 43.0                 | 126386 | 1129.3341          | ng    | 98       |
| T Bromochloromethane               | 5.519  | 128.0                | 41180  | 120.3132           | ng    | 97       |
| T Chloroform                       | 5.653  | 83.0                 | 175506 | 116.2603           | ng    | 99       |

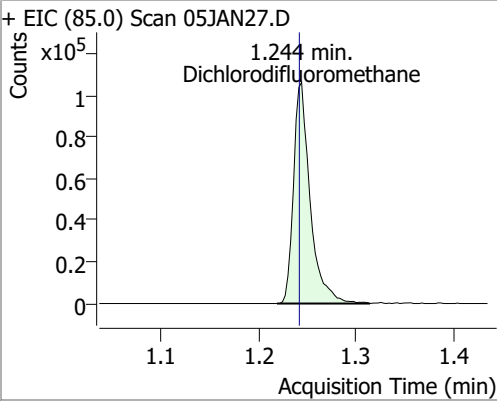
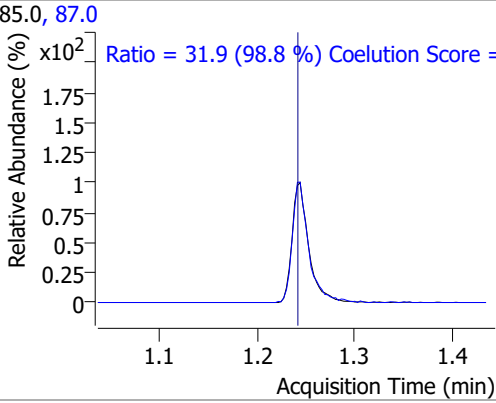
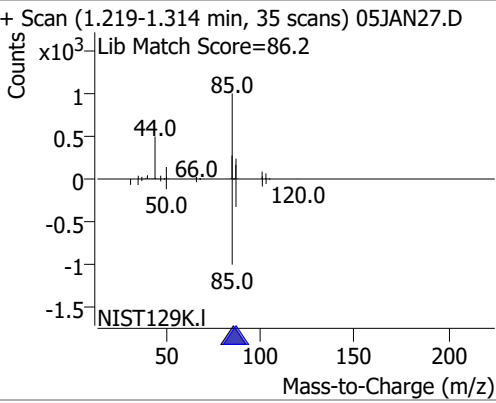
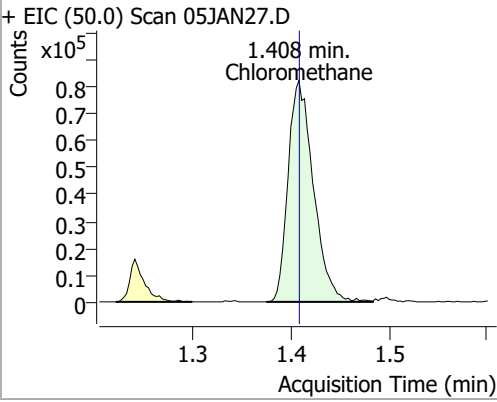
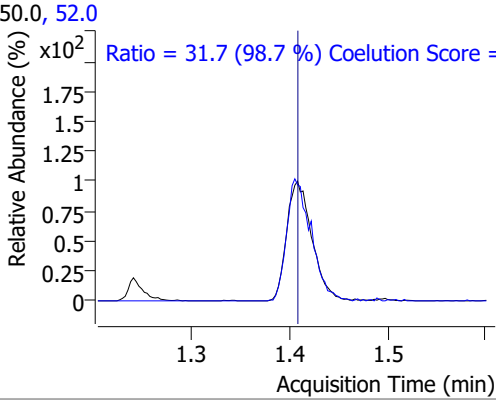
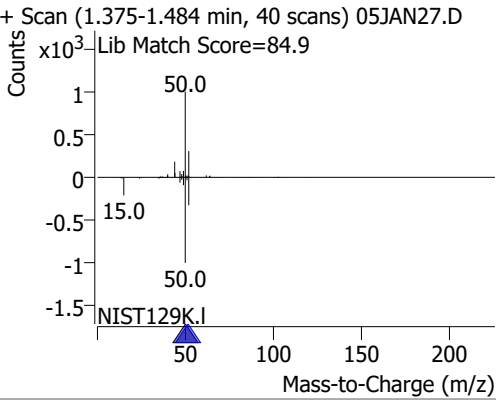
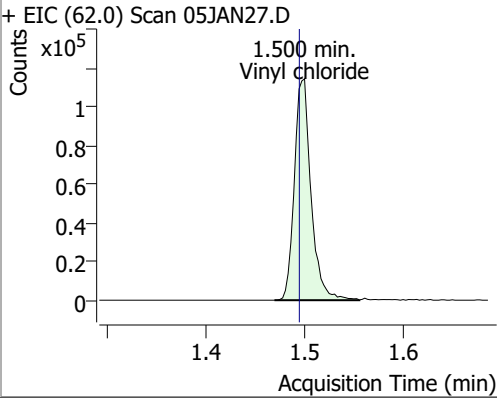
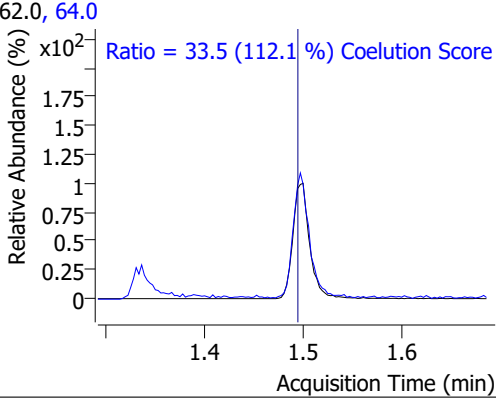
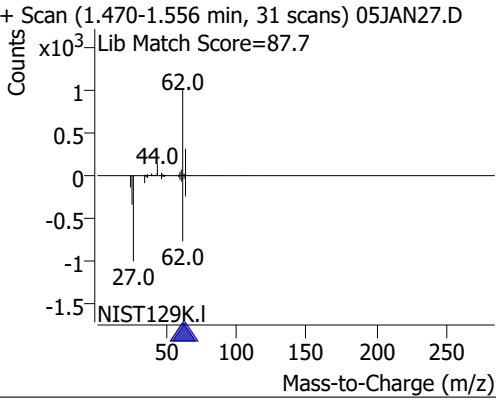
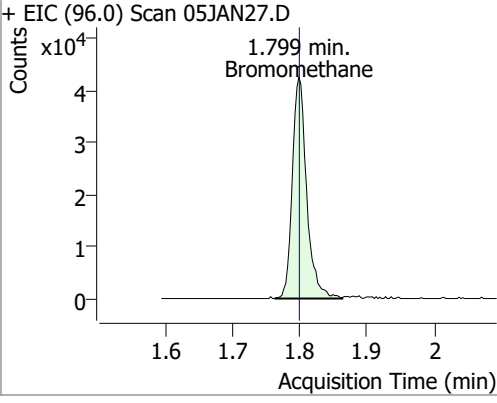
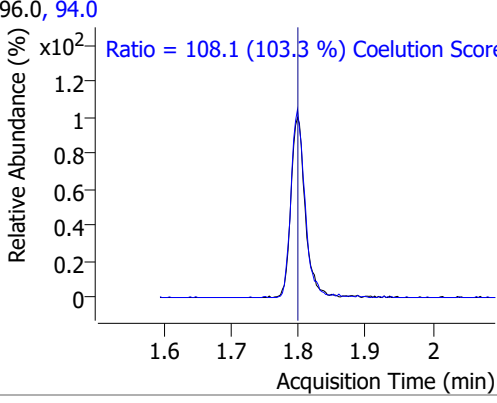
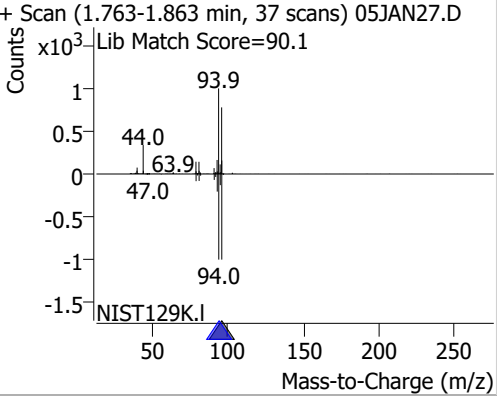


# Quantitation Results Report (QT Reviewed)

| Compound                    | RT     | QIon  | Resp.  | Conc.    | Units | Dev(Min) |
|-----------------------------|--------|-------|--------|----------|-------|----------|
| T 1,1,1-Trichloroethane     | 5.831  | 97.0  | 171504 | 121.2274 | ng    | 99       |
| T Carbon tetrachloride      | 6.024  | 117.0 | 169813 | 121.8270 | ng    | 98       |
| T 1,1-Dichloropropene       | 6.040  | 75.0  | 146239 | 121.5732 | ng    | 100      |
| T Benzene                   | 6.280  | 78.0  | 386868 | 122.5303 | ng    | 100      |
| T 1,2-Dichloroethane        | 6.319  | 62.0  | 102446 | 119.9409 | ng    | 98       |
| T Trichloroethene           | 7.028  | 95.0  | 110911 | 121.0621 | ng    | 98       |
| T 1,2-Dichloropropane       | 7.273  | 63.0  | 93184  | 115.6303 | ng    | 98       |
| T Dibromomethane            | 7.396  | 93.0  | 40231  | 118.1336 | ng    | 95       |
| T Bromodichloromethane      | 7.585  | 83.0  | 111872 | 119.0304 | ng    | 99       |
| T cis-1,3-Dichloropropene   | 8.059  | 75.0  | 120418 | 113.3200 | ng    | 97       |
| T Toluene                   | 8.386  | 92.0  | 240882 | 121.8165 | ng    | 99       |
| T trans-1,3-Dichloropropene | 8.637  | 75.0  | 90457  | 119.5883 | ng    | 97       |
| T 1,1,2-Trichloroethane     | 8.815  | 83.0  | 45451  | 115.3607 | ng    | 98       |
| T Tetrachloroethene         | 8.938  | 163.8 | 96106  | 119.1324 | ng    | 98       |
| T 1,3-Dichloropropane       | 8.982  | 76.0  | 91732  | 118.3691 | ng    | 98       |
| T Chlorodibromomethane      | 9.203  | 129.0 | 72728  | 118.1104 | ng    | 99       |
| T 1,2-Dibromoethane         | 9.303  | 107.0 | 49436  | 114.7549 | ng    | 100      |
| T Chlorobenzene             | 9.802  | 112.0 | 261094 | 120.6036 | ng    | 99       |
| T 1,1,1,2-Tetrachloroethane | 9.891  | 131.0 | 89675  | 118.4971 | ng    | 97       |
| T Ethylbenzene              | 9.917  | 91.0  | 453620 | 120.8154 | ng    | 99       |
| T m+p-Xylenes               | 10.039 | 106.0 | 366259 | 251.0157 | ng    | 99       |
| T o-Xylene                  | 10.432 | 106.0 | 159843 | 123.0566 | ng    | 100      |
| T Styrene                   | 10.446 | 104.0 | 265447 | 126.9277 | ng    | 99       |
| T Bromoform                 | 10.625 | 172.5 | 39014  | 121.4405 | ng    | 98       |
| T Bromobenzene              | 11.093 | 156.0 | 100992 | 124.3029 | ng    | 98       |
| T 1,1,2,2-Tetrachloroethane | 11.116 | 83.0  | 56019  | 119.7931 | ng    | 98       |
| T 1,2,3-Trichloropropane    | 11.146 | 110.0 | 13841  | 110.6173 | ng    | 91       |
| T 2-Chlorotoluene           | 11.291 | 126.0 | 101550 | 125.6181 | ng    | 97       |
| T 4-Chlorotoluene           | 11.400 | 91.0  | 330418 | 125.3600 | ng    | 99       |
| T 1,3-Dichlorobenzene       | 12.033 | 146.0 | 179363 | 121.0460 | ng    | 99       |
| T 1,4-Dichlorobenzene       | 12.122 | 146.0 | 177069 | 117.1952 | ng    | 96       |
| T 1,2-Dichlorobenzene       | 12.493 | 146.0 | 148487 | 118.5734 | ng    | 99       |

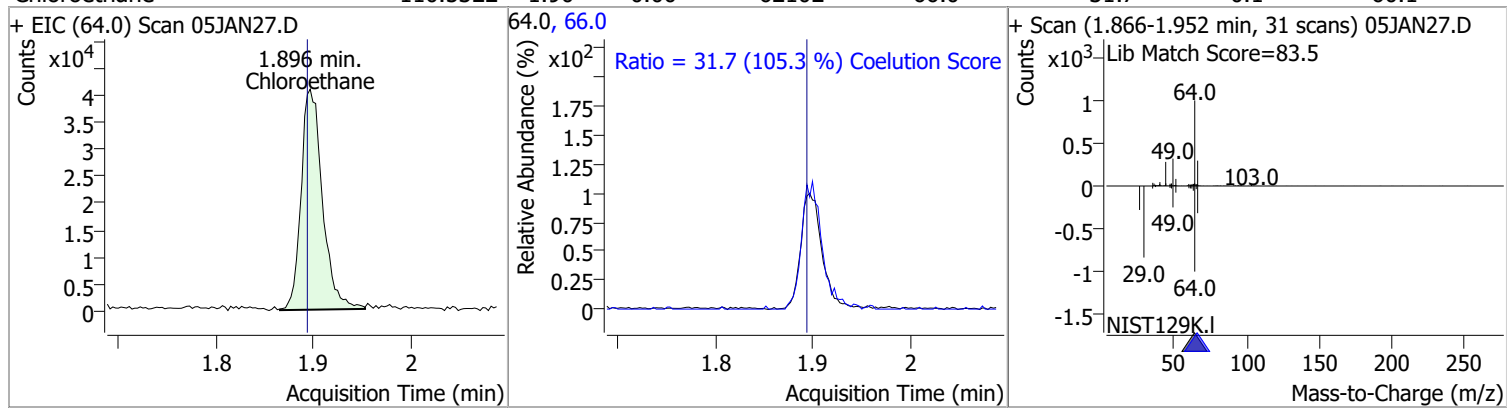
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (\*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

# Quantitation Results Report (QT Reviewed)

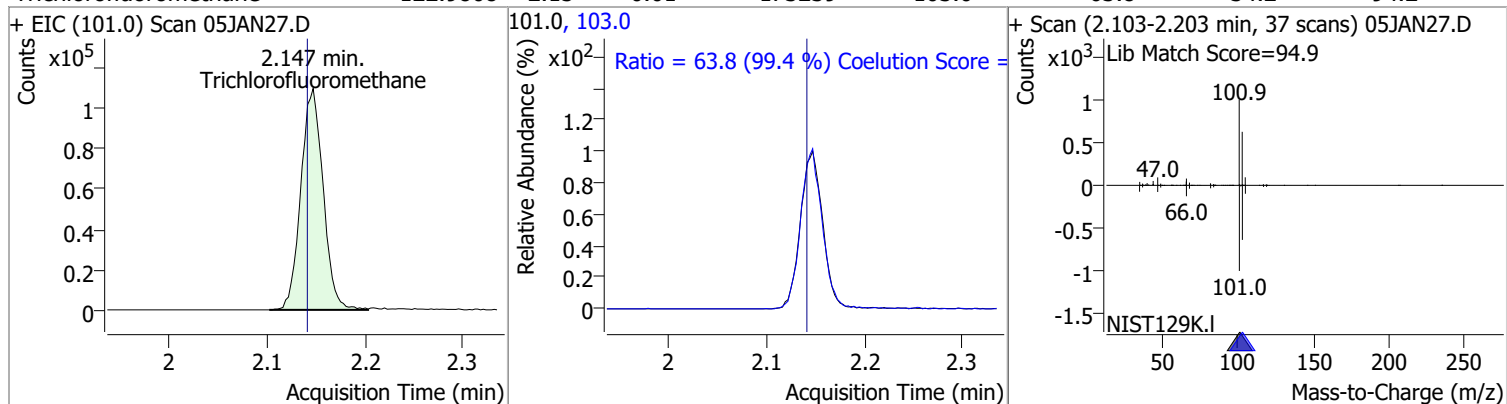
| Compound  | Conc.    | RT   | Dev(Min)   | Resp.  | QIon | QRatio  | Lower | Upper |
|---|----------|------|--|--------|------|---|-------|-------|
| Dichlorodifluoromethane   | 120.8077 | 1.24 | 0.00   | 125538 | 87.0 | 31.9  | 2.3   | 62.3  |
| + EIC (85.0) Scan 05JAN27.D<br>   |          |      | 85.0, 87.0<br>   |        |      | + Scan (1.219-1.314 min, 35 scans) 05JAN27.D<br>Lib Match Score=86.2<br>   |       |       |
|   |          |      | Ratio = 31.9 (98.8 %) Coelution Score =  |        |      |   |       |       |
| Chloromethane   | 117.0470 | 1.41 | 0.00   | 147629 | 52.0 | 31.7  | 2.1   | 62.1  |
| + EIC (50.0) Scan 05JAN27.D<br>  |          |      | 50.0, 52.0<br>  |        |      | + Scan (1.375-1.484 min, 40 scans) 05JAN27.D<br>Lib Match Score=84.9<br>  |       |       |
|   |          |      | Ratio = 31.7 (98.7 %) Coelution Score =  |        |      |   |       |       |
| Vinyl chloride  | 119.3808 | 1.50 | 0.01   | 135486 | 64.0 | 33.5  | 0.0   | 59.9  |
| + EIC (62.0) Scan 05JAN27.D<br> |          |      | 62.0, 64.0<br> |        |      | + Scan (1.470-1.556 min, 31 scans) 05JAN27.D<br>Lib Match Score=87.7<br> |       |       |
|   |          |      | Ratio = 33.5 (112.1 %) Coelution Score =   |        |      |   |       |       |
| Bromomethane  | 123.7027 | 1.80 | 0.00   | 62776  | 94.0 | 108.1   | 74.6  | 134.6 |
| + EIC (96.0) Scan 05JAN27.D<br> |          |      | 96.0, 94.0<br> |        |      | + Scan (1.763-1.863 min, 37 scans) 05JAN27.D<br>Lib Match Score=90.1<br> |       |       |
|   |          |      | Ratio = 108.1 (103.3 %) Coelution Score =  |        |      |   |       |       |

# Quantitation Results Report (QT Reviewed)

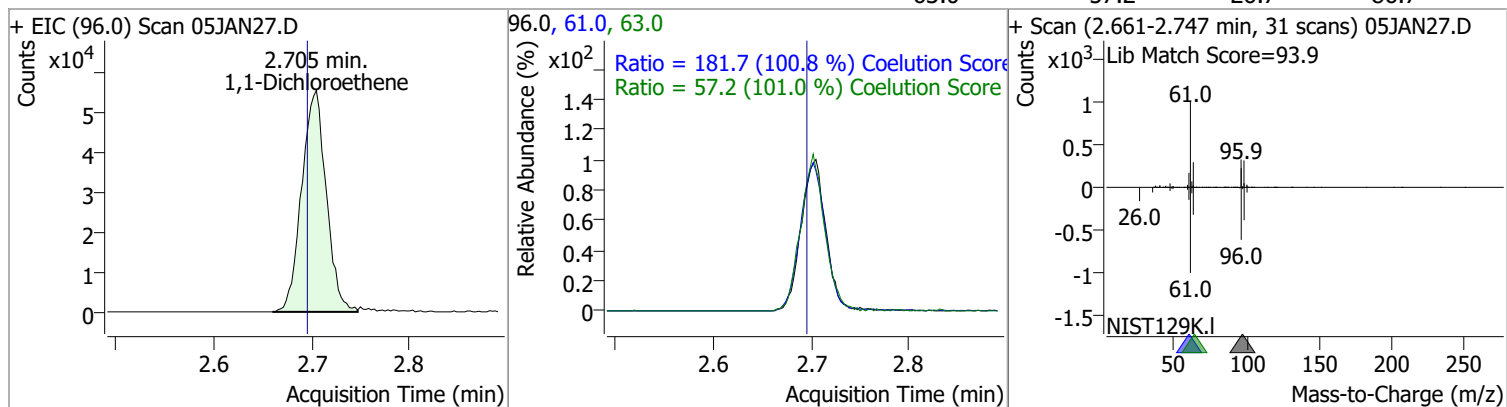
| Compound     | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------|----------|------|----------|-------|------|--------|-------|-------|
| Chloroethane | 110.5322 | 1.90 | 0.00     | 62102 | 66.0 | 31.7   | 0.1   | 60.1  |



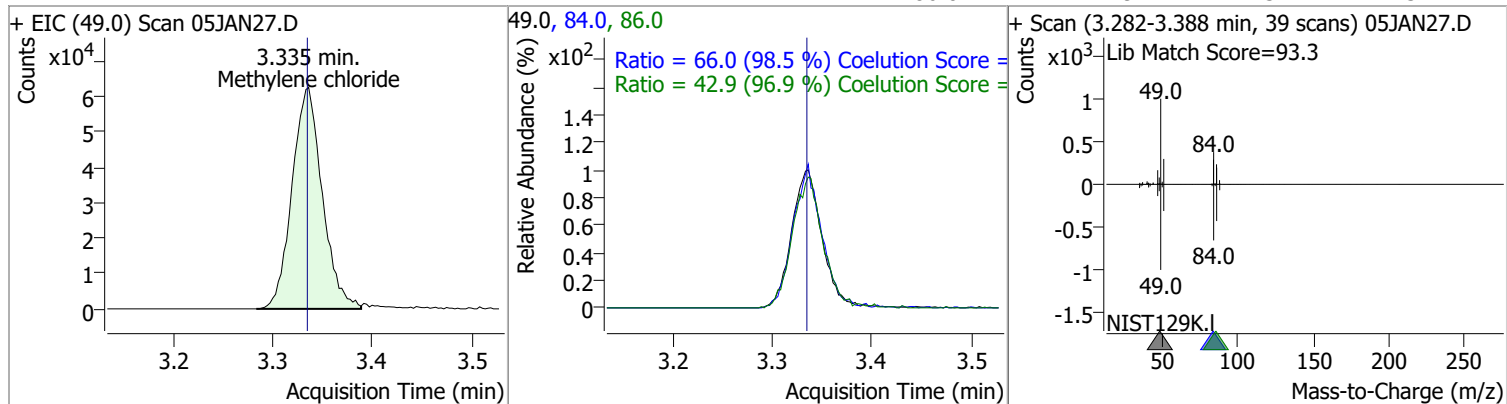
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichlorofluoromethane | 122.9808 | 2.15 | 0.01     | 173239 | 103.0 | 63.8   | 34.2  | 94.2  |



| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,1-Dichloroethene | 120.1615 | 2.71 | 0.01     | 95980 | 61.0 | 181.7  | 150.3 | 210.3 |
|                    |          |      |          |       | 63.0 | 57.2   | 26.7  | 86.7  |

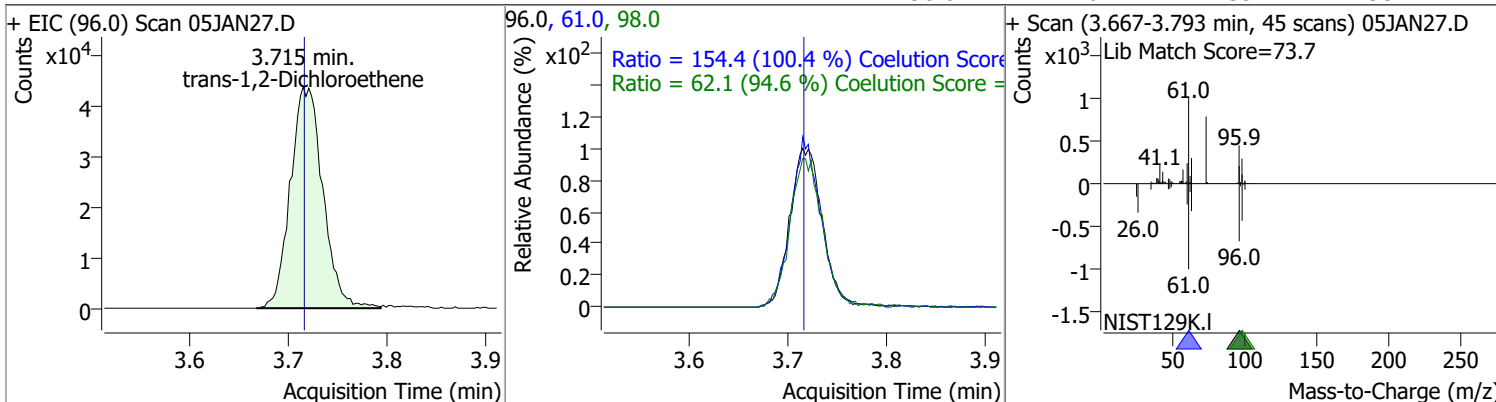


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methylene chloride | 112.7466 | 3.34 | 0.00     | 132759 | 84.0 | 66.0   | 36.9  | 96.9  |
|                    |          |      |          |        | 86.0 | 42.9   | 14.3  | 74.3  |

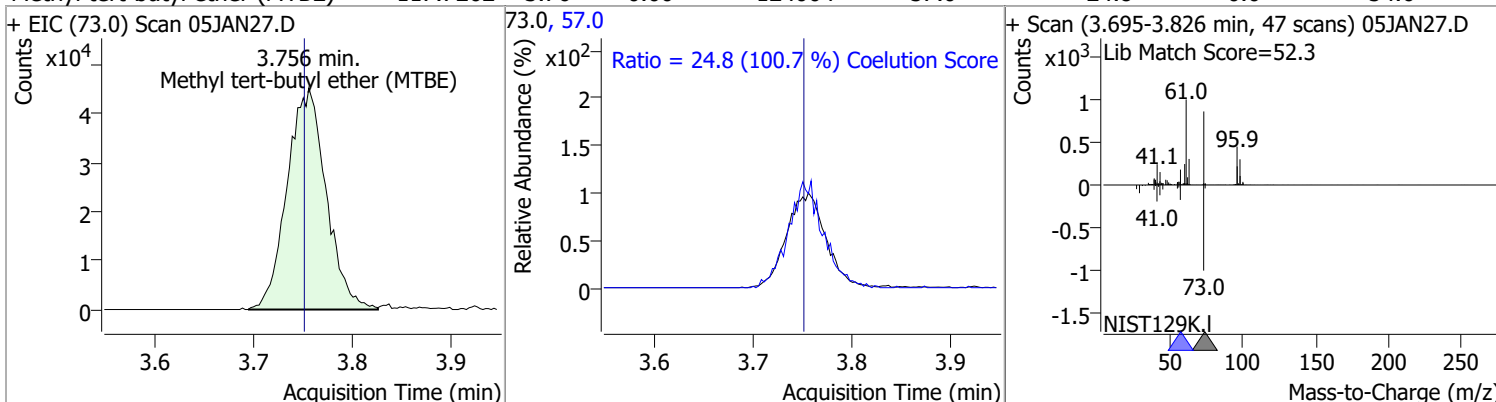


# Quantitation Results Report (QT Reviewed)

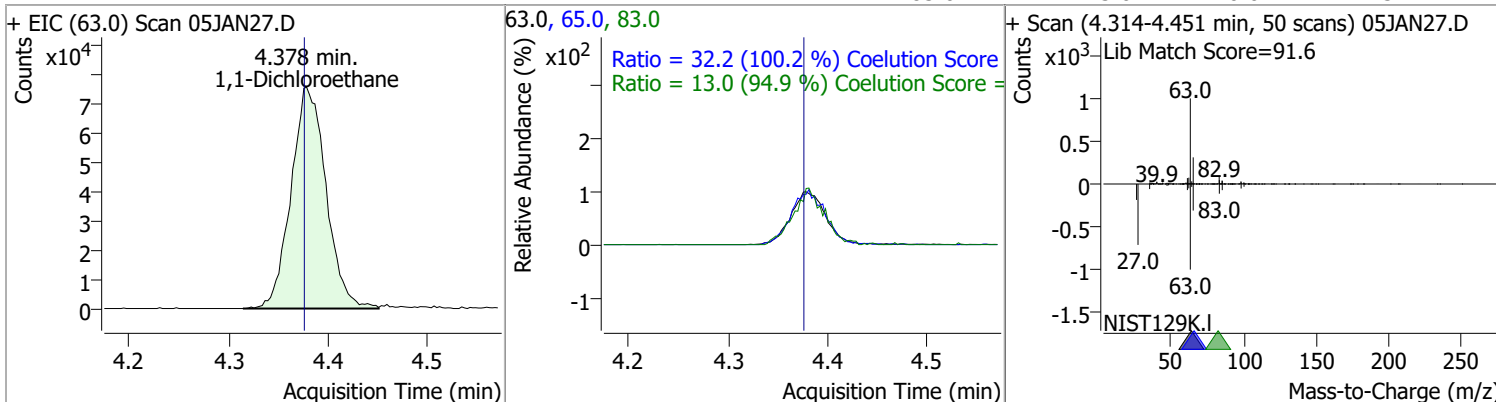
| Compound                 | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------------|----------|------|----------|-------|------|--------|-------|-------|
| trans-1,2-Dichloroethene | 122.5939 | 3.71 | 0.00     | 99903 | 61.0 | 154.4  | 123.9 | 183.9 |
|                          |          |      |          |       | 98.0 | 62.1   | 35.7  | 95.7  |



| Compound                       | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------------------|----------|------|----------|--------|------|--------|-------|-------|
| Methyl tert-butyl ether (MTBE) | 117.7262 | 3.76 | 0.00     | 124004 | 57.0 | 24.8   | 0.0   | 54.6  |

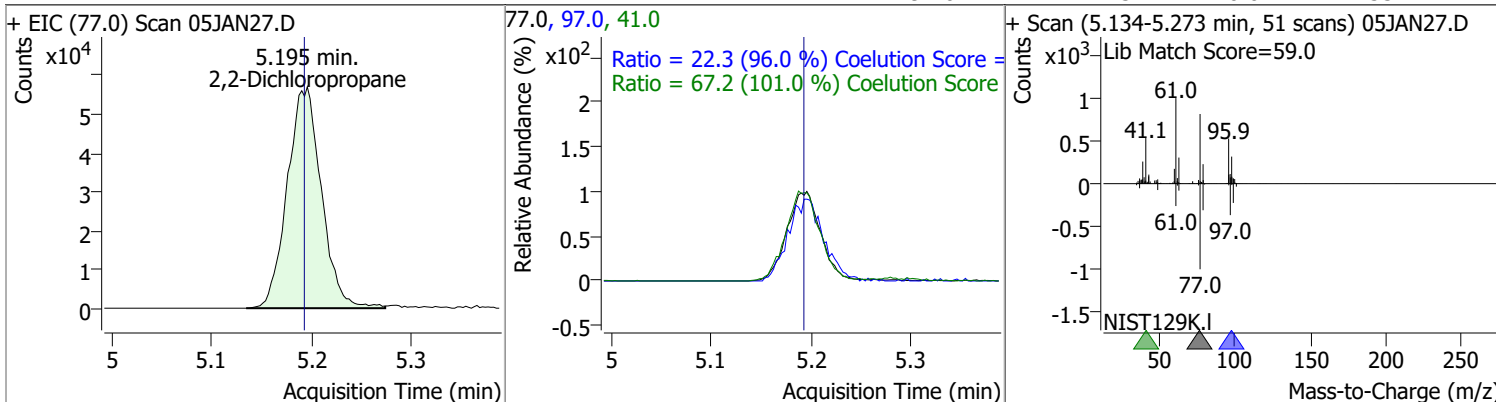


| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,1-Dichloroethane | 122.2257 | 4.38 | 0.00     | 185400 | 65.0 | 32.2   | 2.1   | 62.1  |
|                    |          |      |          |        | 83.0 | 13.0   | 0.0   | 43.7  |

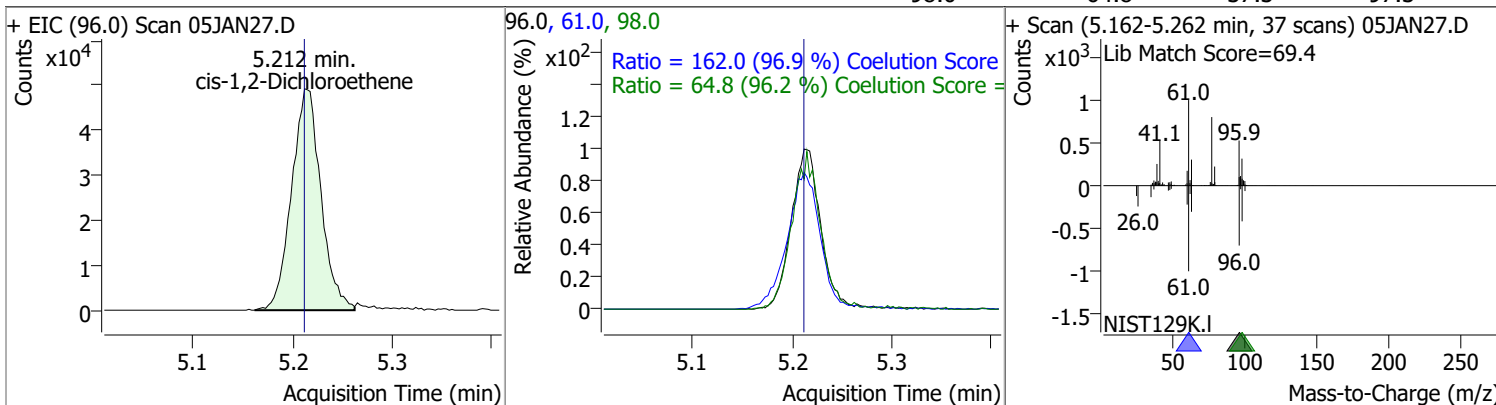


# Quantitation Results Report (QT Reviewed)

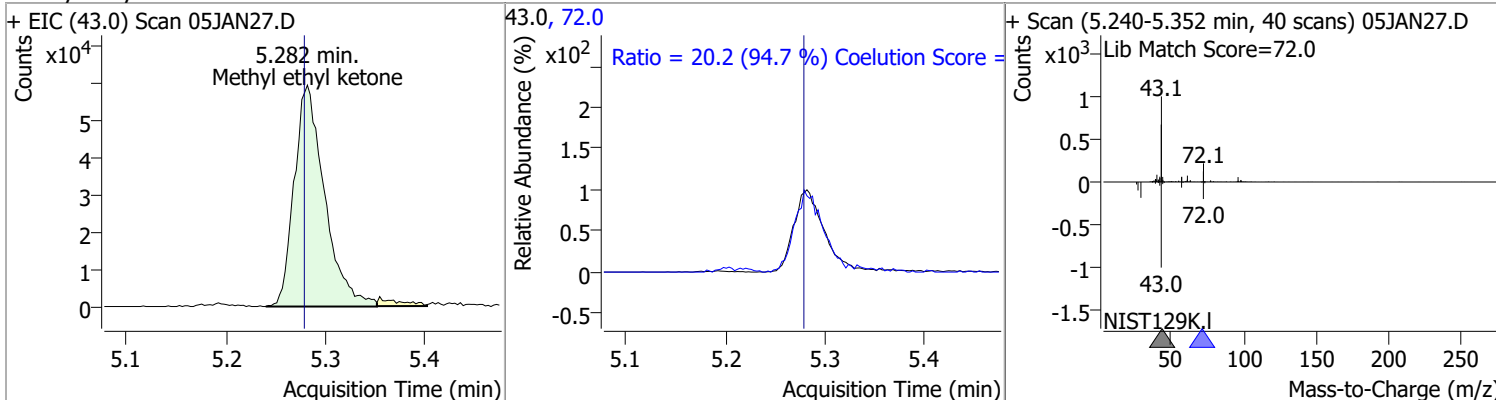
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|------|--------|-------|-------|
| 2,2-Dichloropropane | 119.0124 | 5.20 | 0.00     | 135270 | 41.0 | 67.2   | 36.5  | 96.5  |
|                     |          |      |          |        | 97.0 | 22.3   | 0.0   | 53.2  |



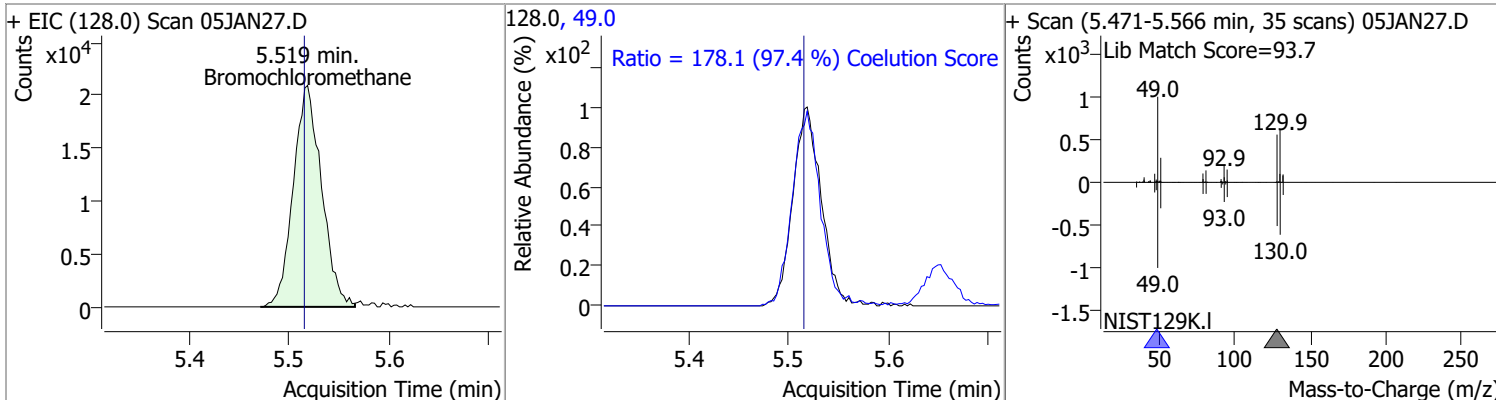
| Compound               | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,2-Dichloroethene | 121.6867 | 5.21 | 0.00     | 100538 | 61.0 | 162.0  | 137.2 | 197.2 |
|                        |          |      |          |        | 98.0 | 64.8   | 37.3  | 97.3  |



| Compound            | Conc.     | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|---------------------|-----------|------|----------|--------|------|--------|-------|-------|
| Methyl ethyl ketone | 1129.3341 | 5.28 | 0.00     | 126386 | 72.0 | 20.2   | 0.0   | 51.3  |

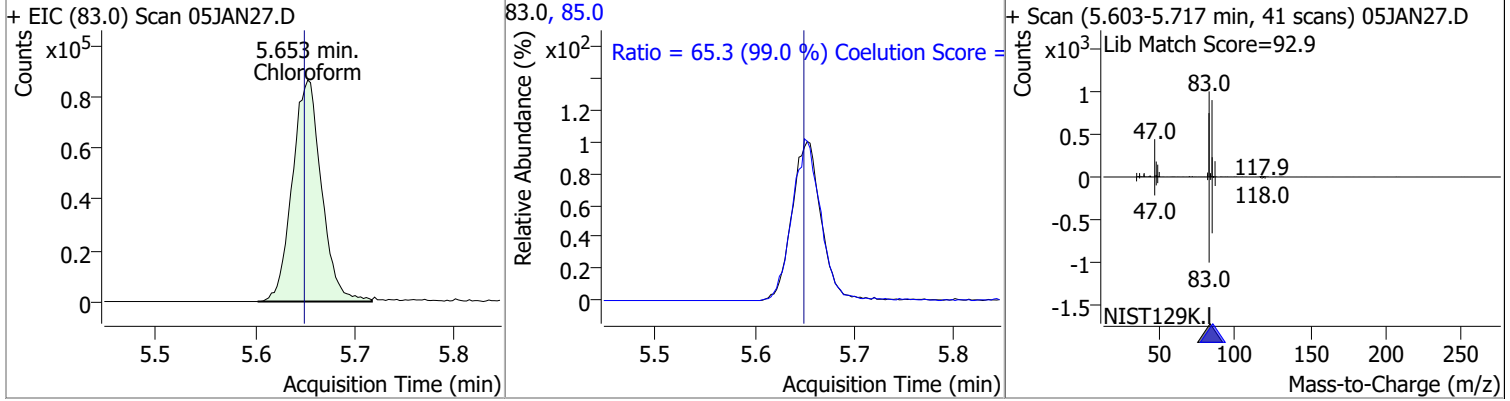


| Compound           | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|-------|------|--------|-------|-------|
| Bromochloromethane | 120.3132 | 5.52 | 0.00     | 41180 | 49.0 | 178.1  | 152.9 | 212.9 |

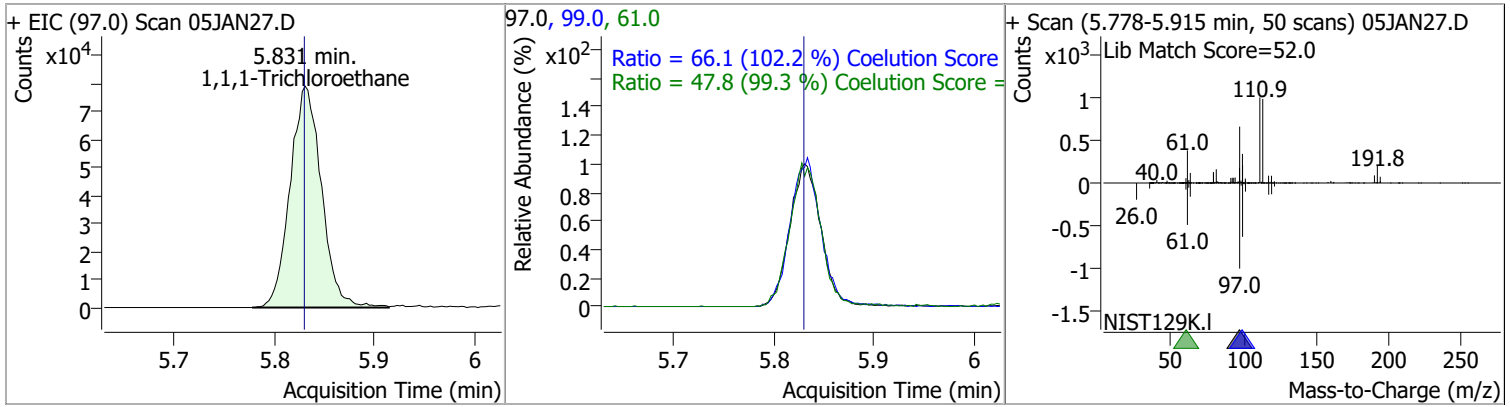


# Quantitation Results Report (QT Reviewed)

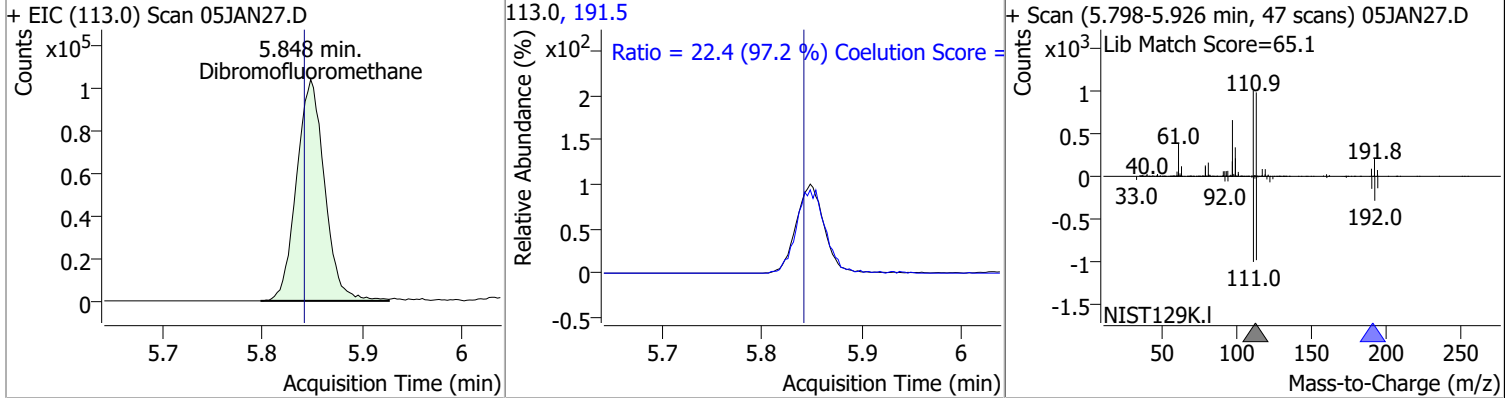
| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|------|--------|-------|-------|
| Chloroform | 116.2603 | 5.65 | 0.00     | 175506 | 85.0 | 65.3   | 36.0  | 96.0  |



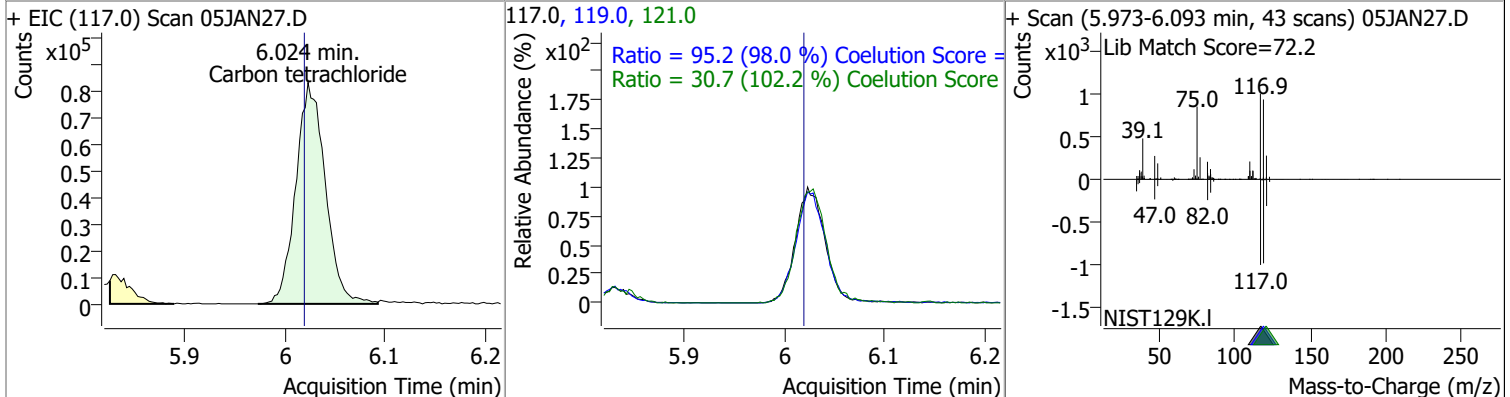
|                       |          |      |      |        |      |      |      |      |
|-----------------------|----------|------|------|--------|------|------|------|------|
| 1,1,1-Trichloroethane | 121.2274 | 5.83 | 0.00 | 171504 | 99.0 | 66.1 | 34.7 | 94.7 |
|                       |          |      |      |        | 61.0 | 47.8 | 18.1 | 78.1 |



|                      |          |      |      |        |       |      |     |      |
|----------------------|----------|------|------|--------|-------|------|-----|------|
| Dibromofluoromethane | 270.9825 | 5.85 | 0.00 | 202444 | 191.5 | 22.4 | 0.0 | 53.1 |
|----------------------|----------|------|------|--------|-------|------|-----|------|

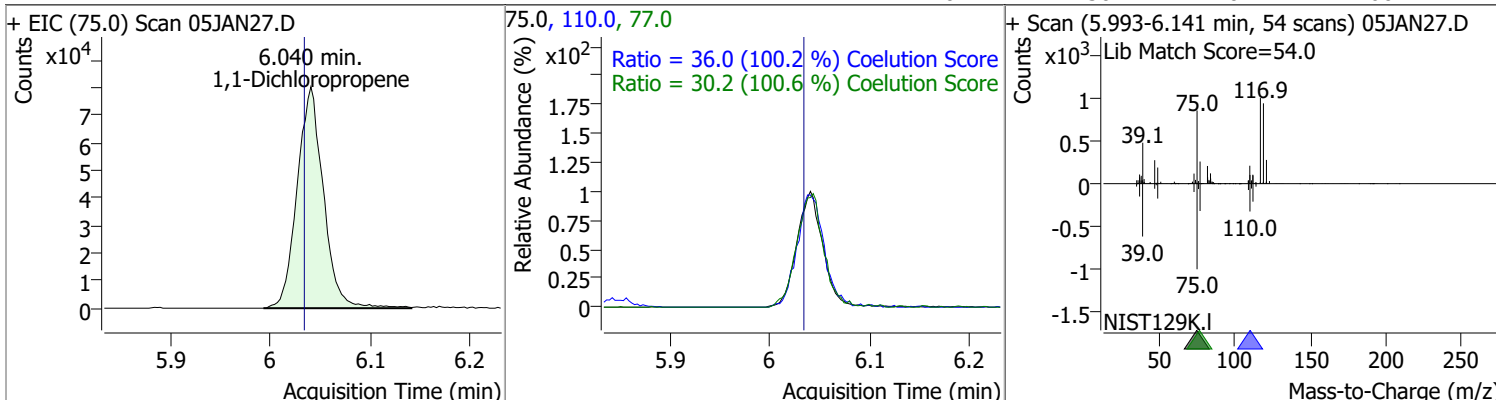


|                      |          |      |      |        |       |      |      |       |
|----------------------|----------|------|------|--------|-------|------|------|-------|
| Carbon tetrachloride | 121.8270 | 6.02 | 0.00 | 169813 | 119.0 | 95.2 | 67.2 | 127.2 |
|                      |          |      |      |        | 121.0 | 30.7 | 0.1  | 60.1  |

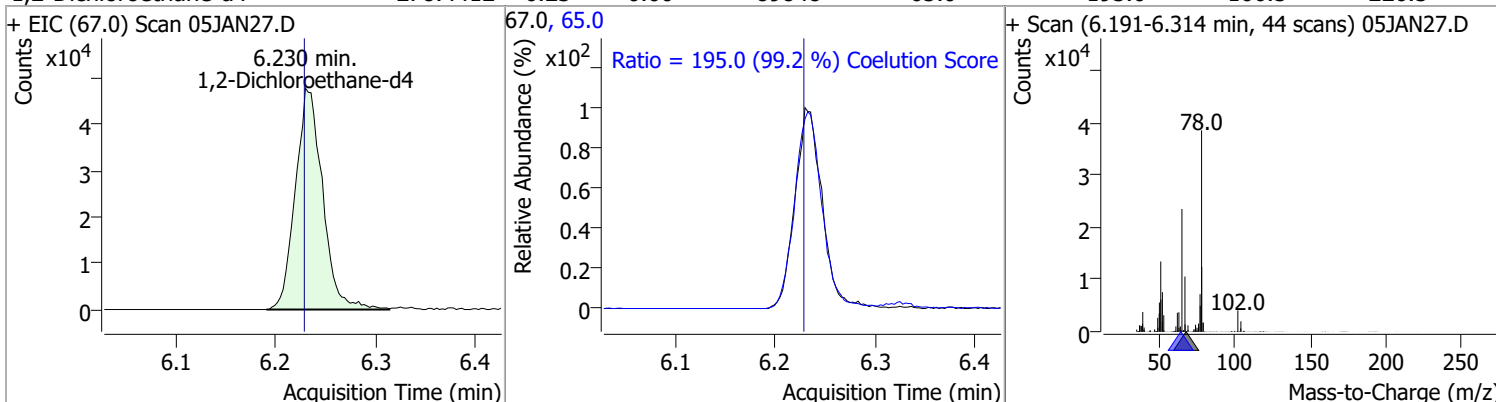


# Quantitation Results Report (QT Reviewed)

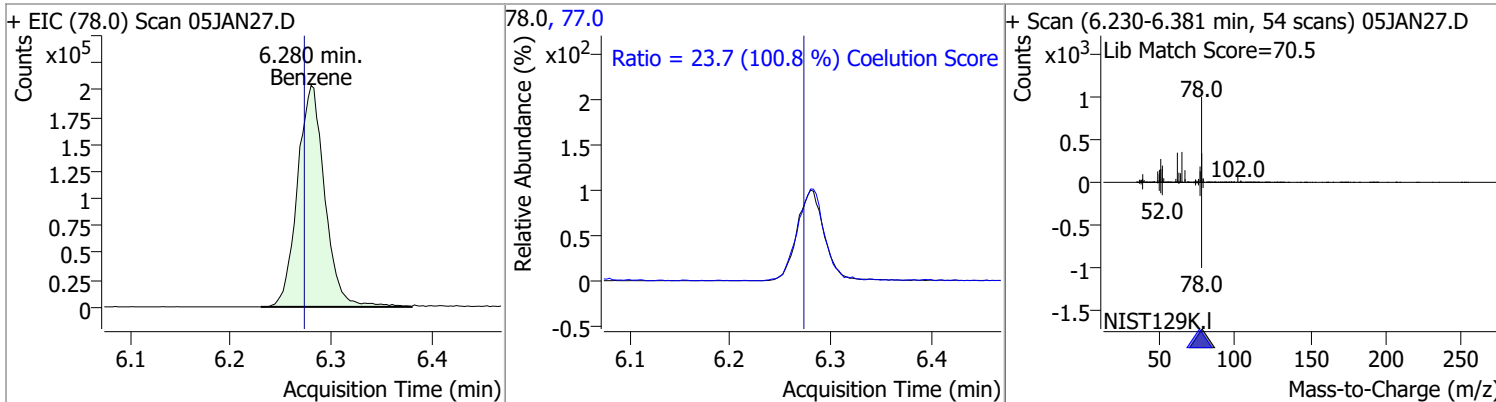
| Compound            | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|------|----------|--------|-------|--------|-------|-------|
| 1,1-Dichloropropene | 121.5732 | 6.04 | 0.00     | 146239 | 110.0 | 36.0   | 5.9   | 65.9  |
|                     |          |      |          |        | 77.0  | 30.2   | 0.1   | 60.1  |



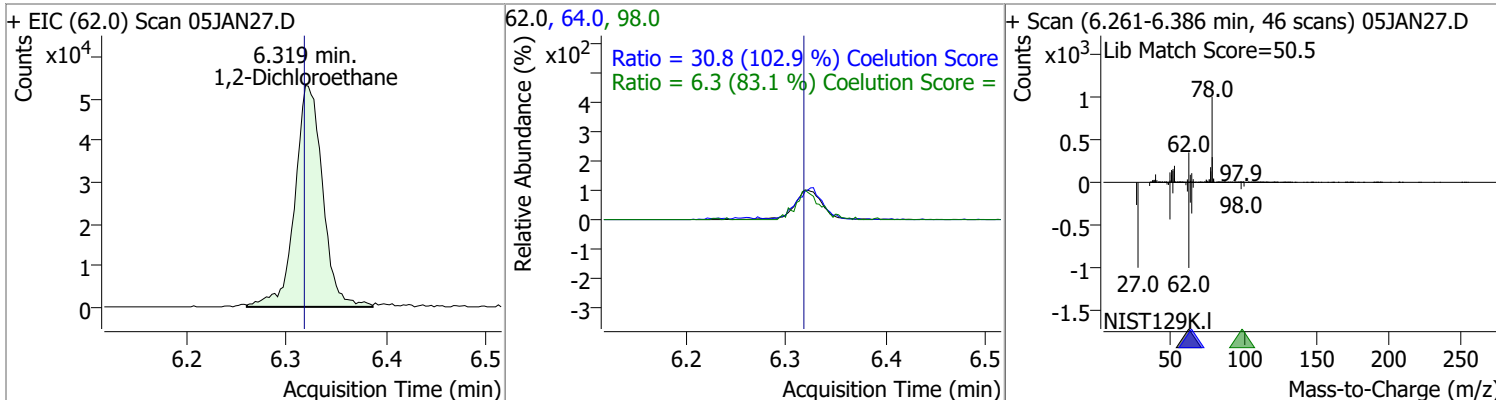
| Compound              | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|-----------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloroethane-d4 | 278.4412 | 6.23 | 0.00     | 89848 | 65.0 | 195.0  | 166.5 | 226.5 |



| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Benzene  | 122.5303 | 6.28 | 0.00     | 386868 | 77.0 | 23.7   | 0.0   | 53.5  |



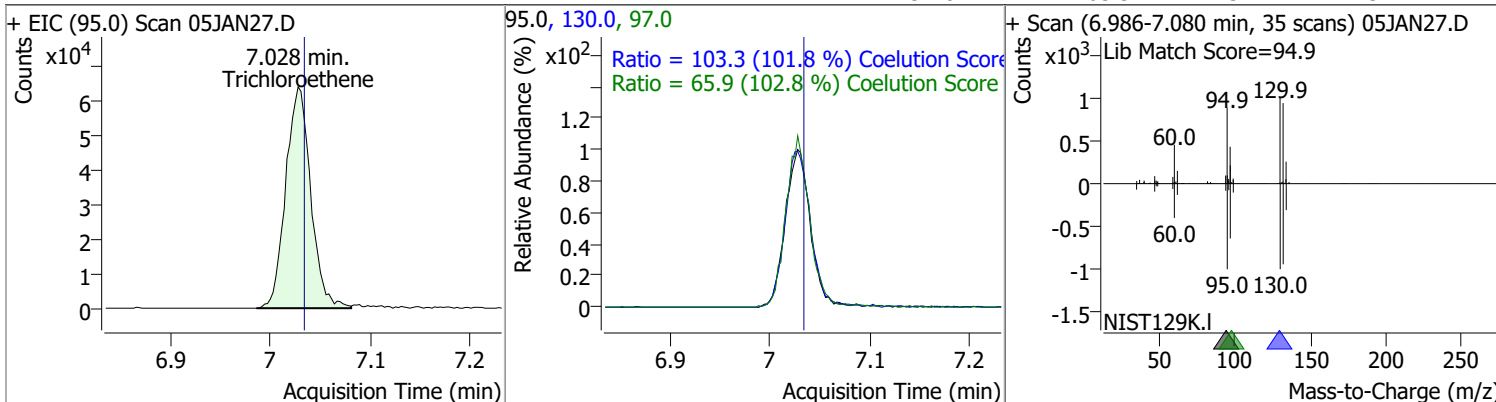
| Compound           | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|--------------------|----------|------|----------|--------|------|--------|-------|-------|
| 1,2-Dichloroethane | 119.9409 | 6.32 | 0.00     | 102446 | 64.0 | 30.8   | 0.0   | 59.9  |
|                    |          |      |          |        | 98.0 | 6.3    | 0.0   | 37.6  |



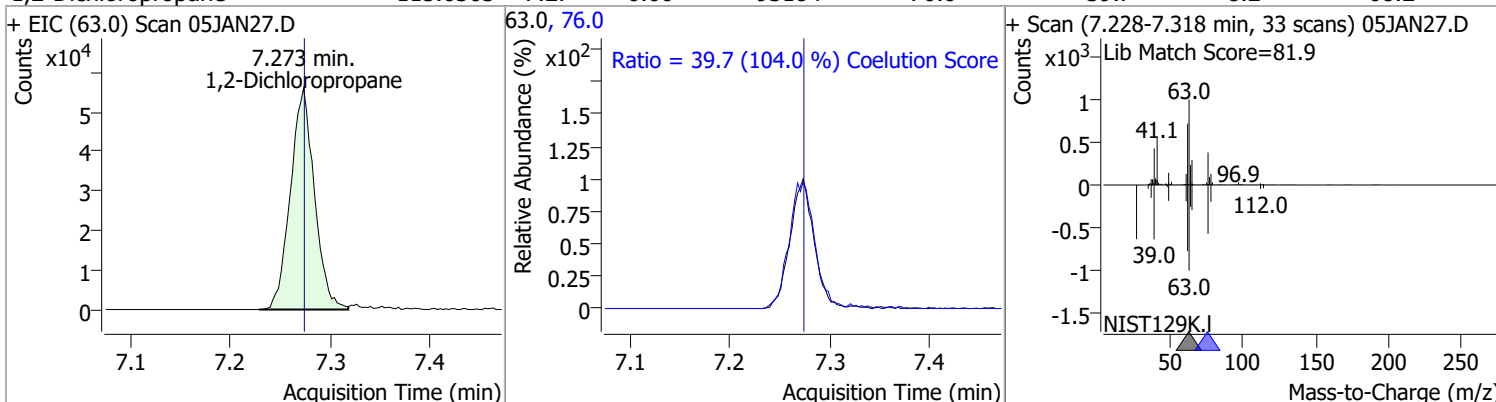


# Quantitation Results Report (QT Reviewed)

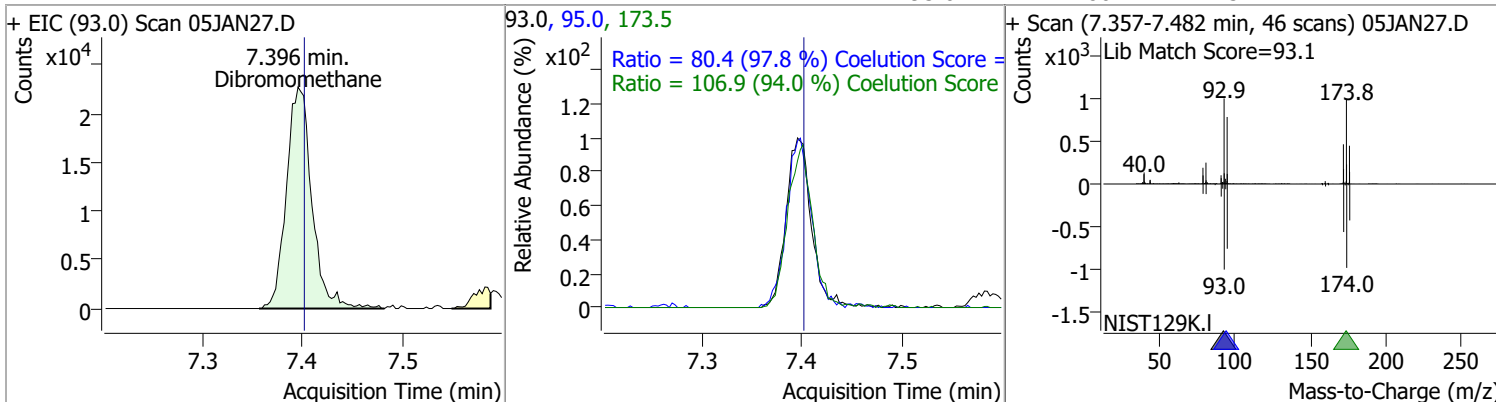
| Compound        | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|------|----------|--------|-------|--------|-------|-------|
| Trichloroethene | 121.0621 | 7.03 | 0.00     | 110911 | 130.0 | 103.3  | 71.5  | 131.5 |
|                 |          |      |          |        | 97.0  | 65.9   | 34.1  | 94.1  |



| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,2-Dichloropropane | 115.6303 | 7.27 | 0.00     | 93184 | 76.0 | 39.7   | 8.2   | 68.2  |



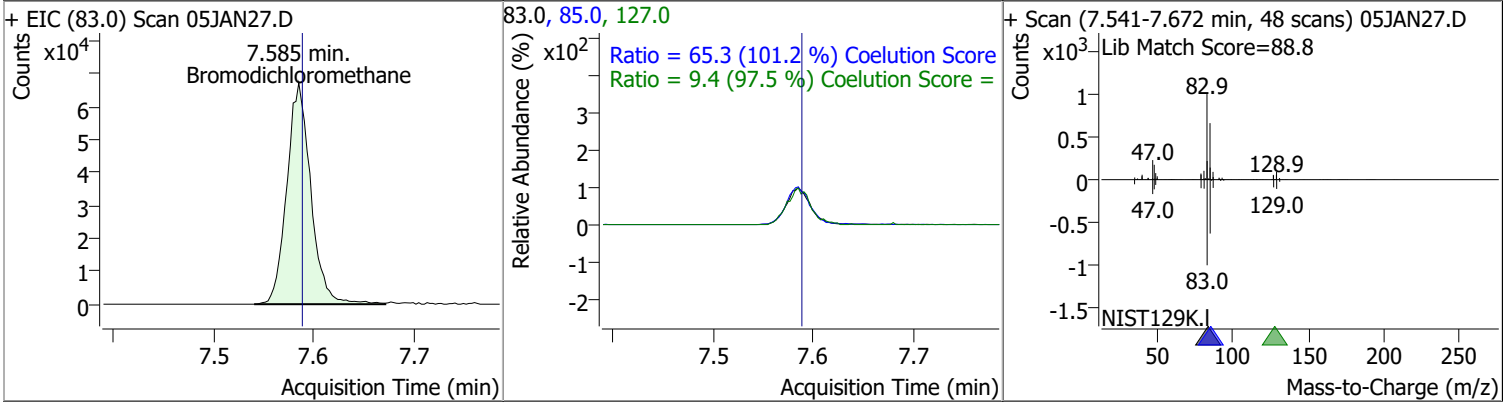
| Compound       | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------|----------|------|----------|-------|-------|--------|-------|-------|
| Dibromomethane | 118.1336 | 7.40 | 0.00     | 40231 | 173.5 | 106.9  | 83.7  | 143.7 |
|                |          |      |          |       | 95.0  | 80.4   | 52.2  | 112.2 |



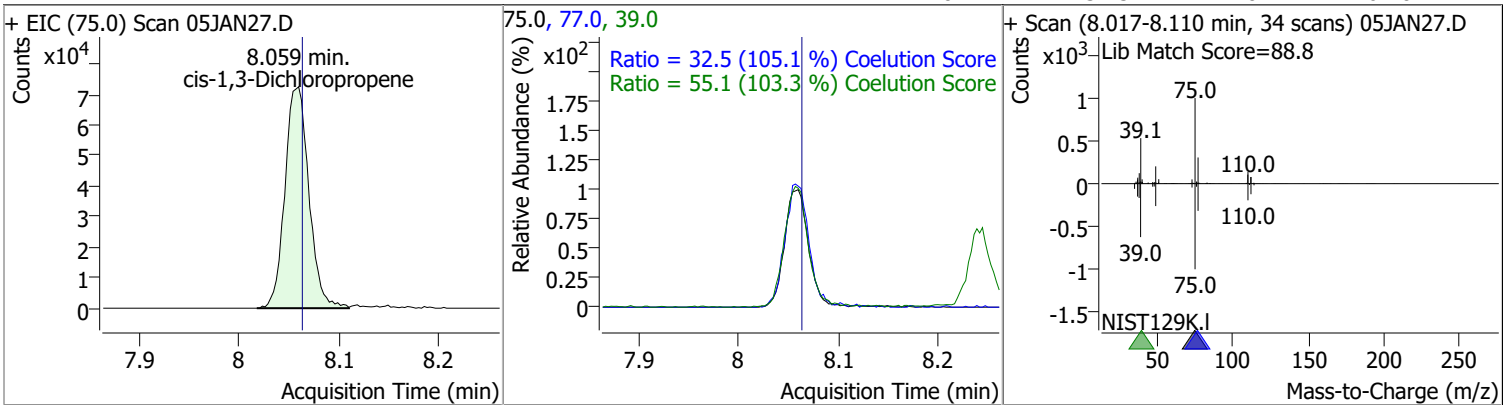


# Quantitation Results Report (QT Reviewed)

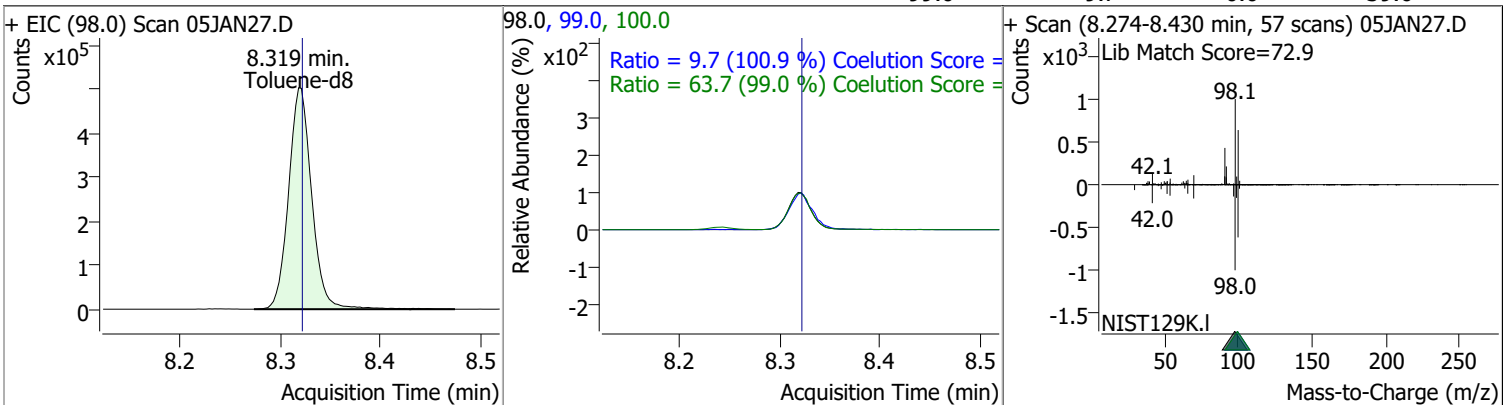
| Compound             | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|--------|-------|--------|-------|-------|
| Bromodichloromethane | 119.0304 | 7.59 | 0.00     | 111872 | 85.0  | 65.3   | 34.5  | 94.5  |
|                      |          |      |          |        | 127.0 | 9.4    | 0.0   | 39.6  |



| Compound                | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------------------|----------|------|----------|--------|------|--------|-------|-------|
| cis-1,3-Dichloropropene | 113.3200 | 8.06 | 0.00     | 120418 | 39.0 | 55.1   | 23.3  | 83.3  |
|                         |          |      |          |        | 77.0 | 32.5   | 1.0   | 61.0  |

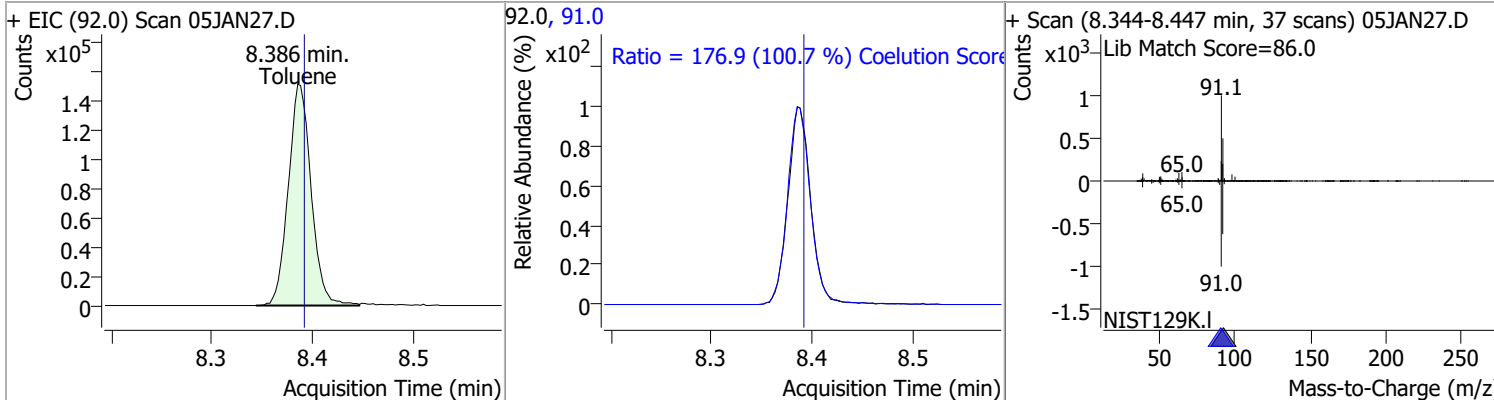


| Compound   | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|------------|----------|------|----------|--------|-------|--------|-------|-------|
| Toluene-d8 | 275.1504 | 8.32 | 0.00     | 805459 | 100.0 | 63.7   | 34.4  | 94.4  |
|            |          |      |          |        | 99.0  | 9.7    | 0.0   | 39.6  |

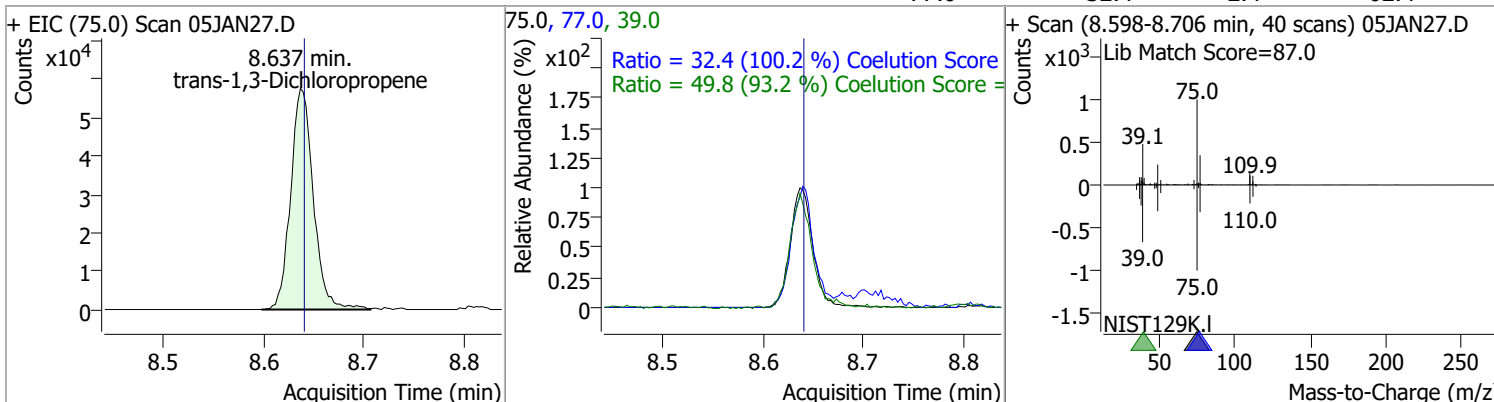


# Quantitation Results Report (QT Reviewed)

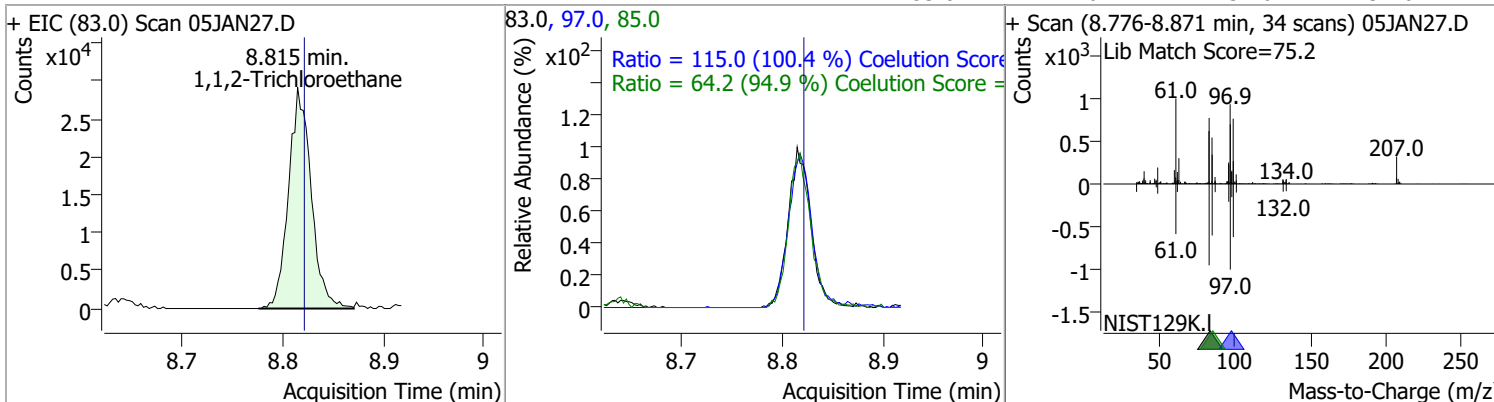
| Compound | Conc.    | RT   | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|------|----------|--------|------|--------|-------|-------|
| Toluene  | 121.8165 | 8.39 | 0.00     | 240882 | 91.0 | 176.9  | 145.8 | 205.8 |



|                           |          |      |      |       |      |      |      |      |
|---------------------------|----------|------|------|-------|------|------|------|------|
| trans-1,3-Dichloropropene | 119.5883 | 8.64 | 0.00 | 90457 | 39.0 | 49.8 | 23.4 | 83.4 |
|                           |          |      |      |       | 77.0 | 32.4 | 2.4  | 62.4 |

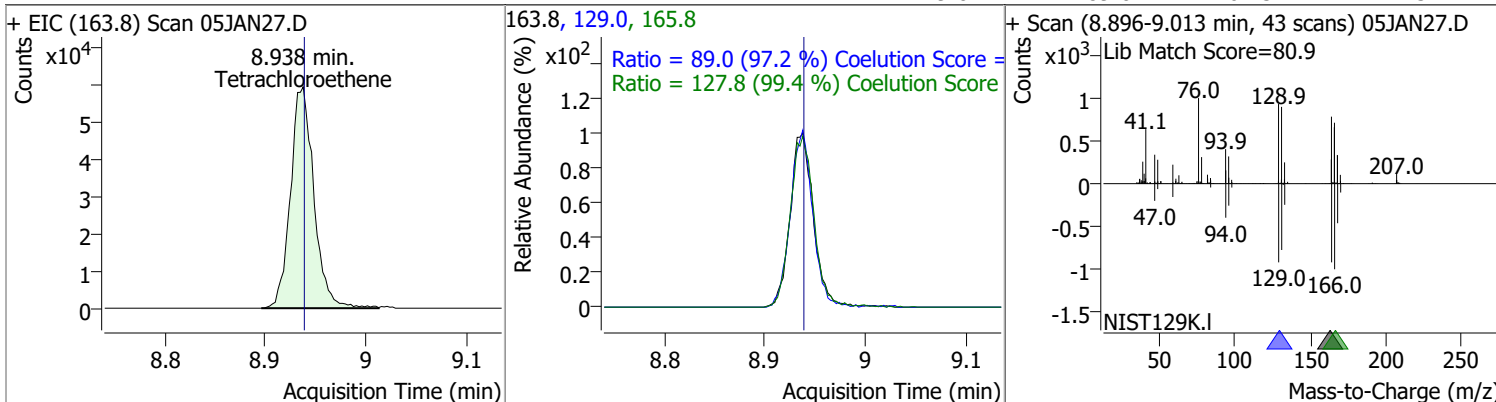


|                       |          |      |      |       |      |       |      |       |
|-----------------------|----------|------|------|-------|------|-------|------|-------|
| 1,1,2-Trichloroethane | 115.3607 | 8.82 | 0.00 | 45451 | 97.0 | 115.0 | 84.6 | 144.6 |
|                       |          |      |      |       | 85.0 | 64.2  | 37.6 | 97.6  |

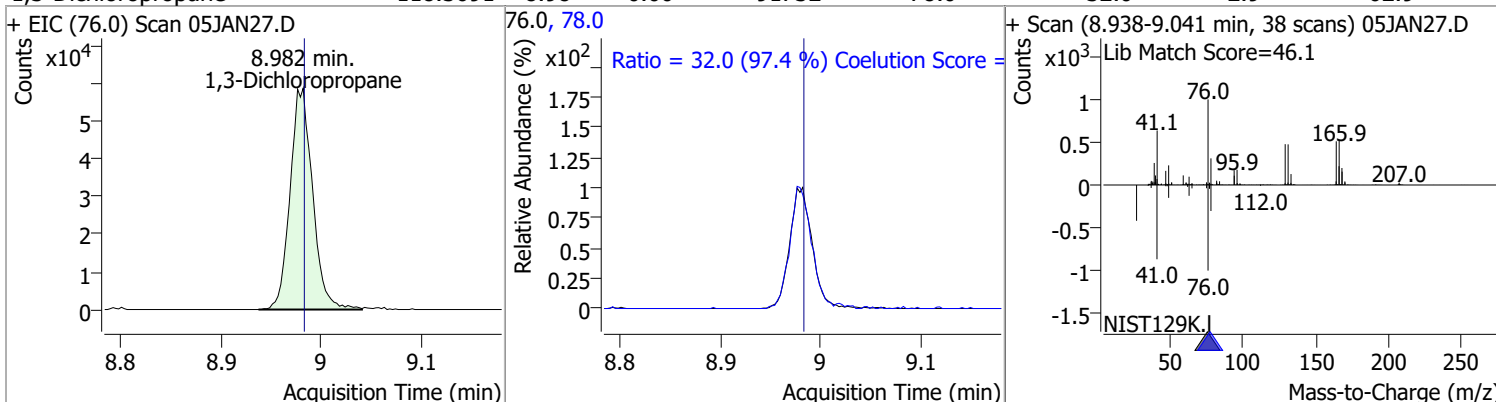


# Quantitation Results Report (QT Reviewed)

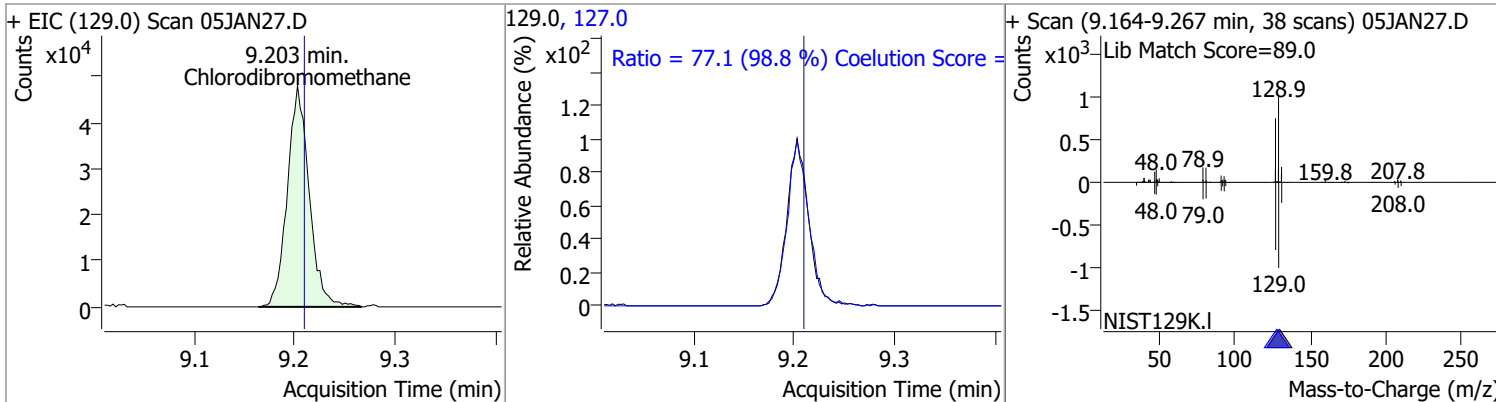
| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Tetrachloroethene | 119.1324 | 8.94 | 0.00     | 96106 | 165.8 | 127.8  | 98.6  | 158.6 |
|                   |          |      |          |       | 129.0 | 89.0   | 61.5  | 121.5 |



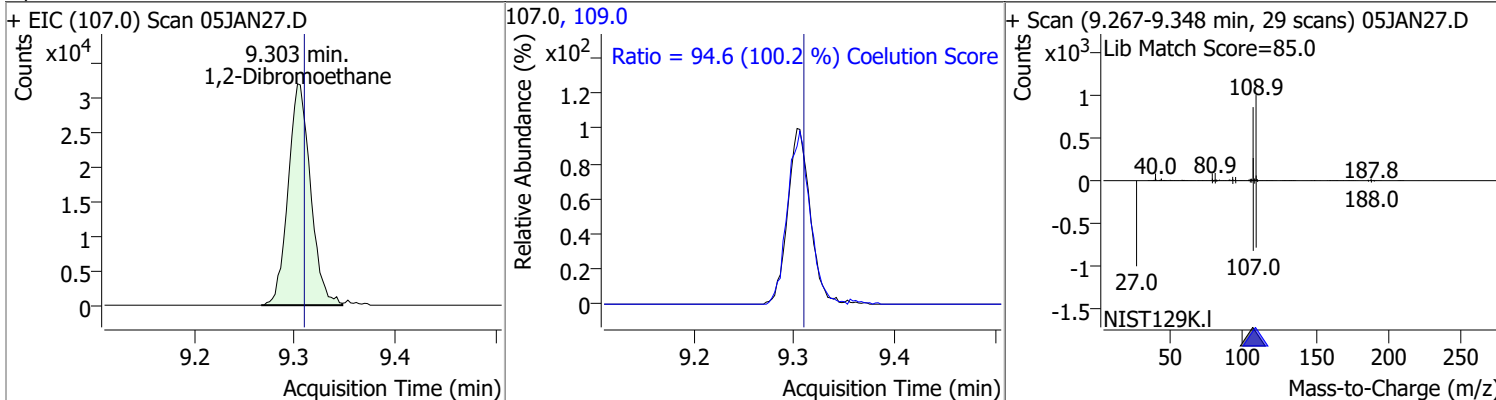
| Compound            | Conc.    | RT   | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------|----------|------|----------|-------|------|--------|-------|-------|
| 1,3-Dichloropropane | 118.3691 | 8.98 | 0.00     | 91732 | 78.0 | 32.0   | 2.9   | 62.9  |



| Compound             | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|----------------------|----------|------|----------|-------|-------|--------|-------|-------|
| Chlorodibromomethane | 118.1104 | 9.20 | 0.00     | 72728 | 127.0 | 77.1   | 48.0  | 108.0 |

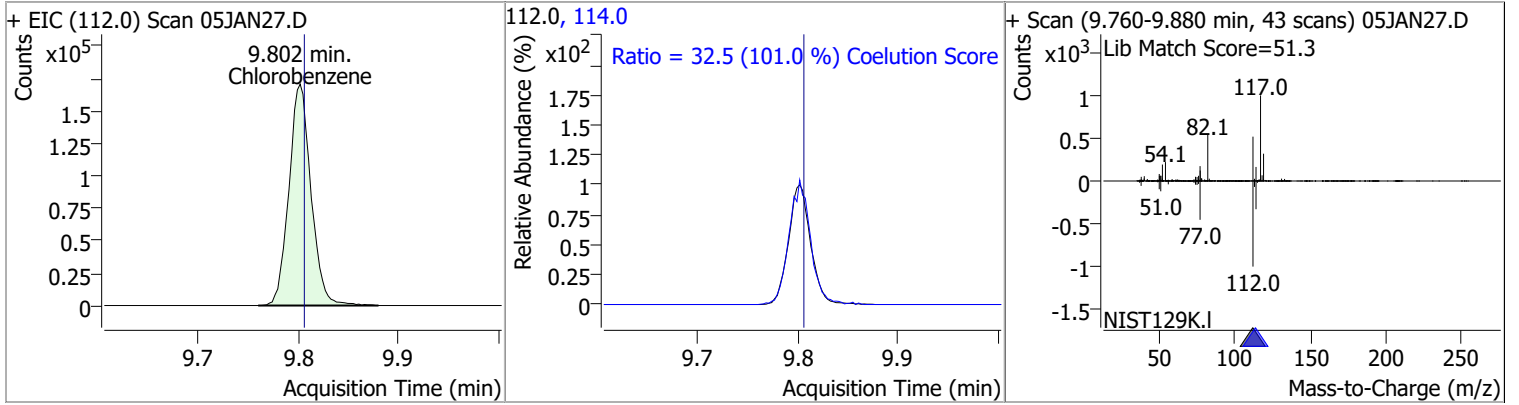


| Compound          | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-------------------|----------|------|----------|-------|-------|--------|-------|-------|
| 1,2-Dibromoethane | 114.7549 | 9.30 | 0.00     | 49436 | 109.0 | 94.6   | 64.5  | 124.5 |

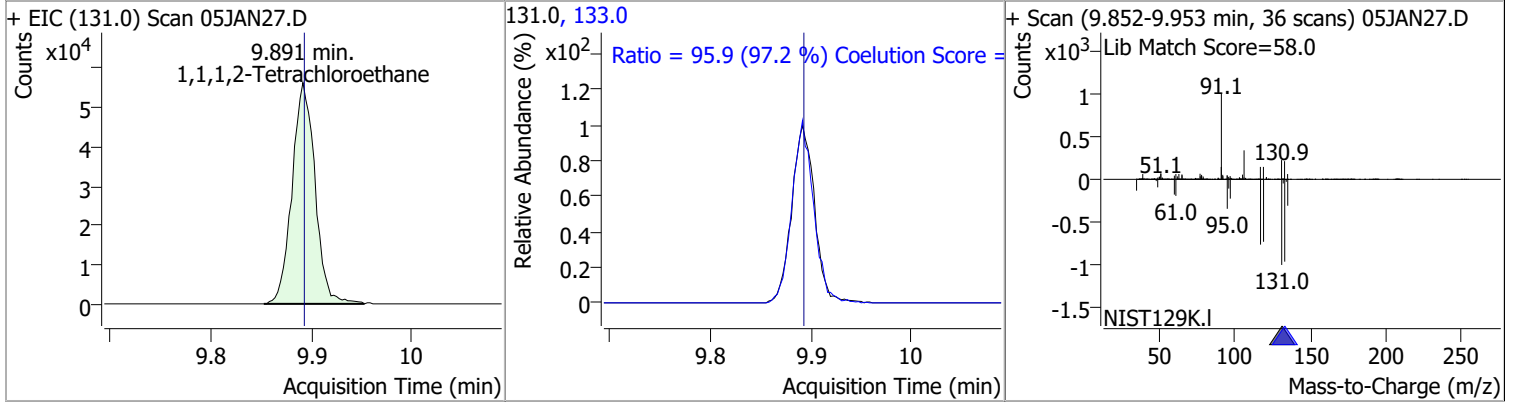


# Quantitation Results Report (QT Reviewed)

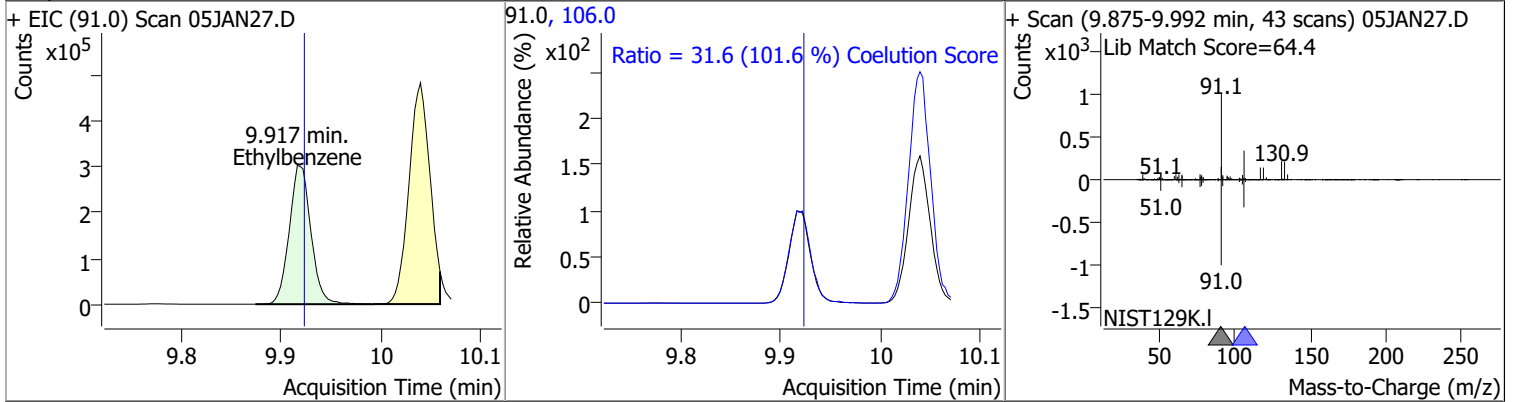
| Compound      | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------|----------|------|----------|--------|-------|--------|-------|-------|
| Chlorobenzene | 120.6036 | 9.80 | 0.00     | 261094 | 114.0 | 32.5   | 2.1   | 62.1  |



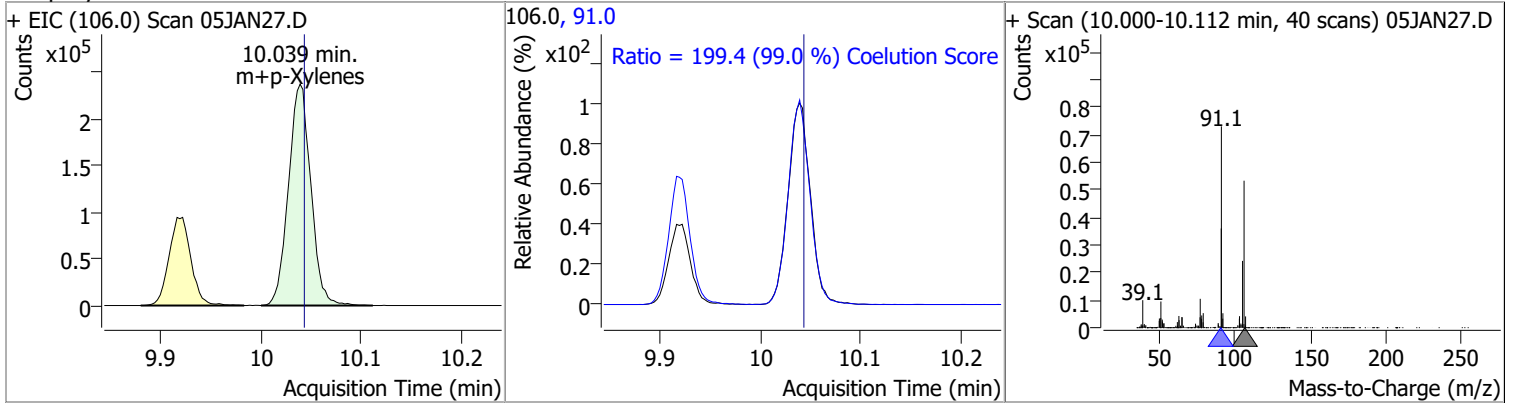
| Compound                  | Conc.    | RT   | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|---------------------------|----------|------|----------|-------|-------|--------|-------|-------|
| 1,1,1,2-Tetrachloroethane | 118.4971 | 9.89 | 0.00     | 89675 | 133.0 | 95.9   | 68.6  | 128.6 |



| Compound     | Conc.    | RT   | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|------|----------|--------|-------|--------|-------|-------|
| Ethylbenzene | 120.8154 | 9.92 | 0.00     | 453620 | 106.0 | 31.6   | 1.1   | 61.1  |

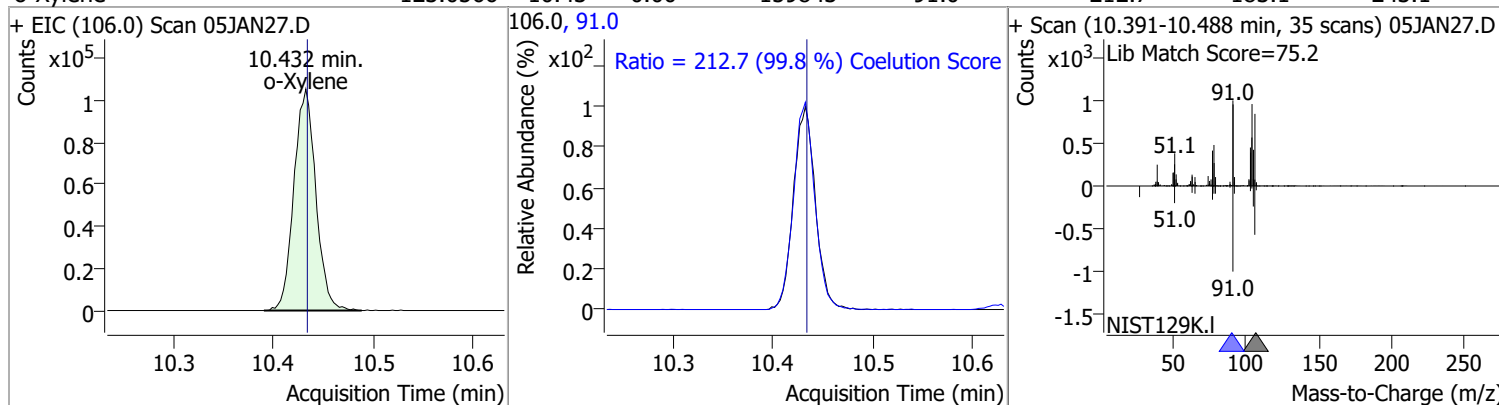


| Compound    | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-------------|----------|-------|----------|--------|------|--------|-------|-------|
| m+p-Xylenes | 251.0157 | 10.04 | 0.00     | 366259 | 91.0 | 199.4  | 171.4 | 231.4 |

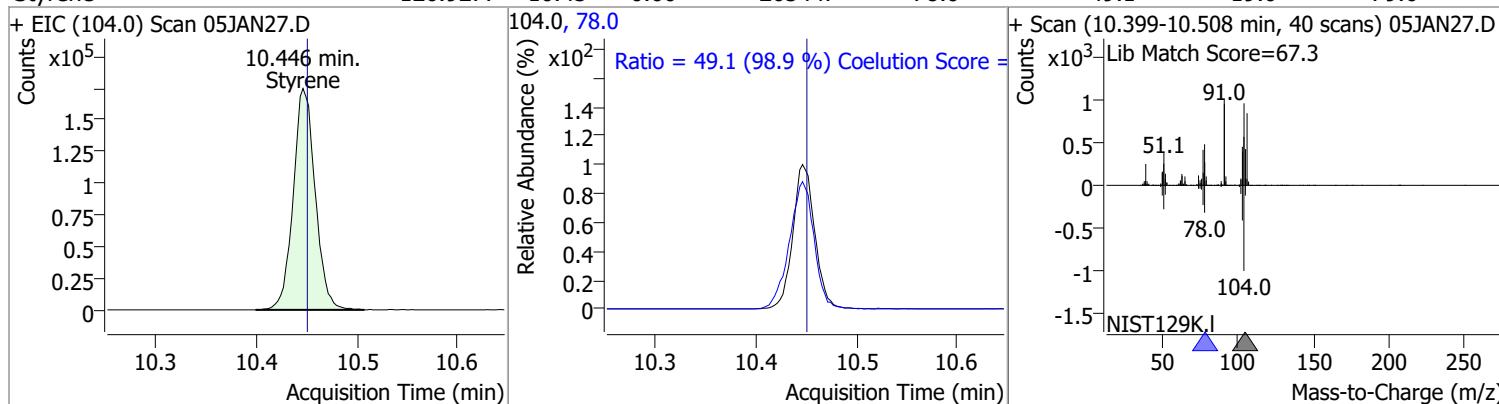


# Quantitation Results Report (QT Reviewed)

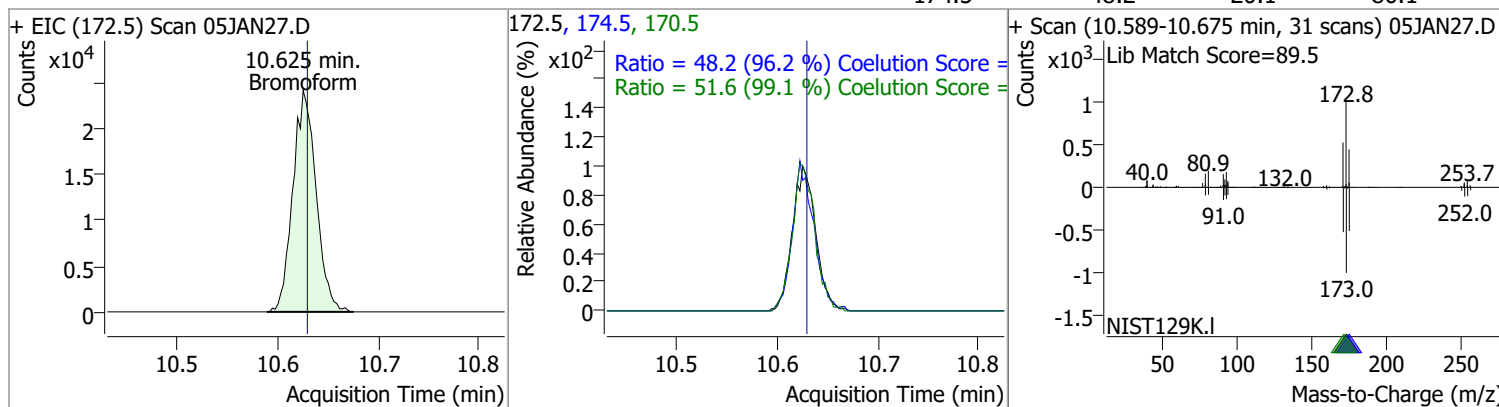
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| o-Xylene | 123.0566 | 10.43 | 0.00     | 159843 | 91.0 | 212.7  | 183.1 | 243.1 |



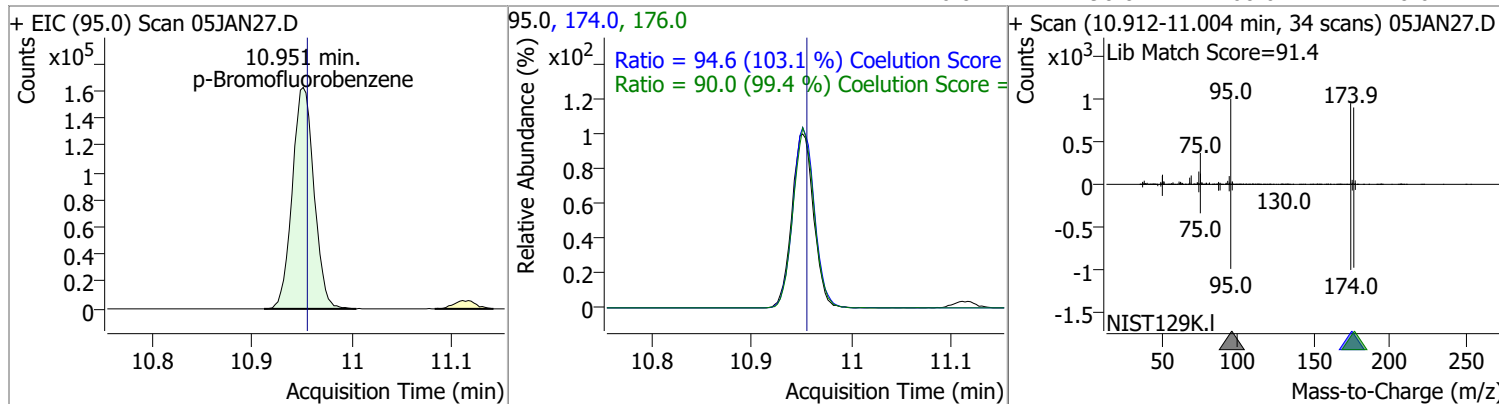
| Compound | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|----------|----------|-------|----------|--------|------|--------|-------|-------|
| Styrene  | 126.9277 | 10.45 | 0.00     | 265447 | 78.0 | 49.1   | 19.6  | 79.6  |



| Compound  | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|-----------|----------|-------|----------|-------|-------|--------|-------|-------|
| Bromoform | 121.4405 | 10.62 | 0.00     | 39014 | 170.5 | 51.6   | 22.1  | 82.1  |
|           |          |       |          |       | 174.5 | 48.2   | 20.1  | 80.1  |

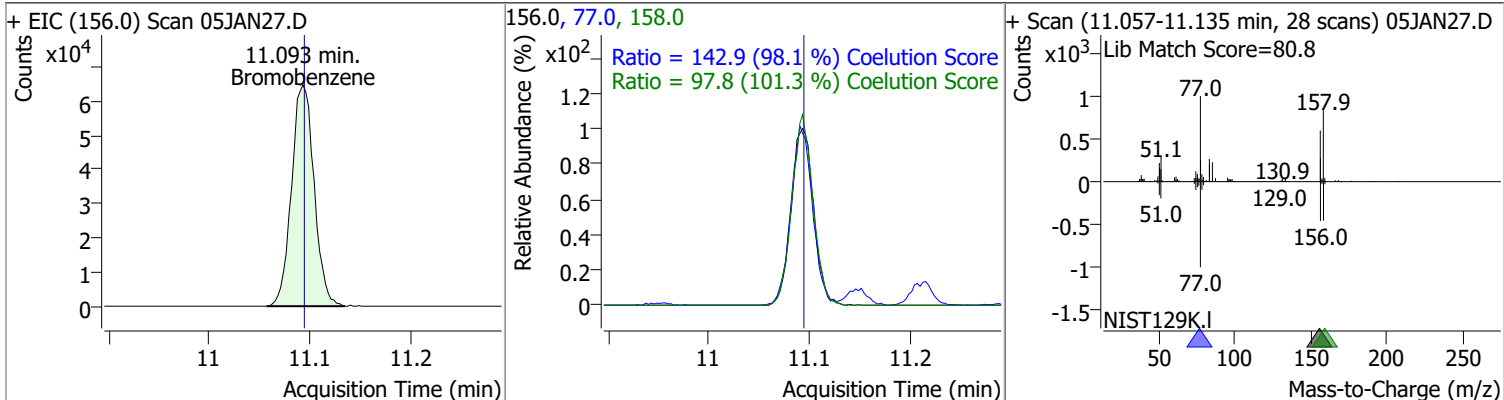


| Compound             | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|----------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| p-Bromofluorobenzene | 266.3753 | 10.95 | 0.00     | 244993 | 174.0 | 94.6   | 61.7  | 121.7 |
|                      |          |       |          |        | 176.0 | 90.0   | 60.6  | 120.6 |

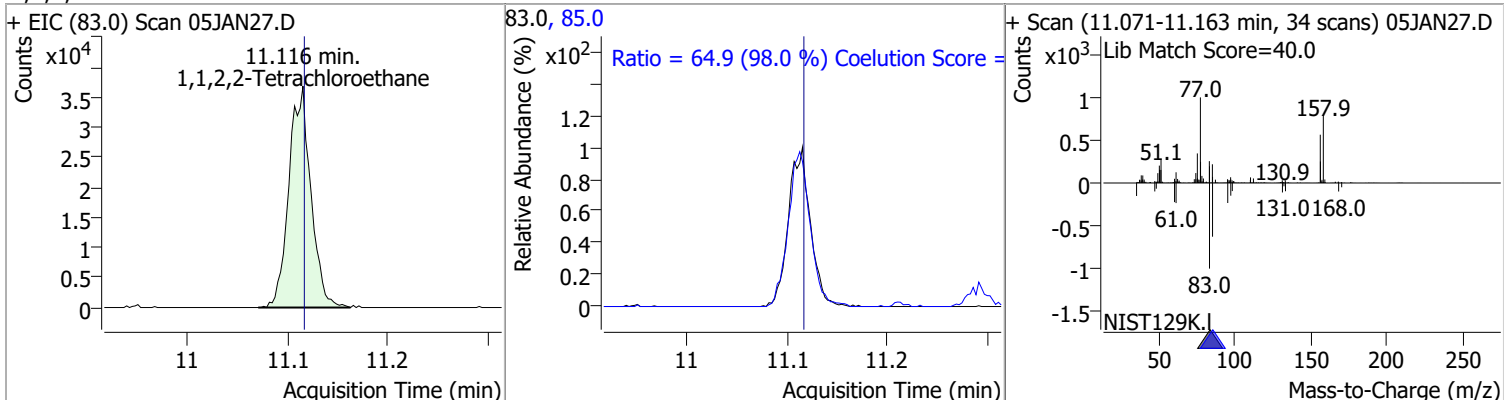


# Quantitation Results Report (QT Reviewed)

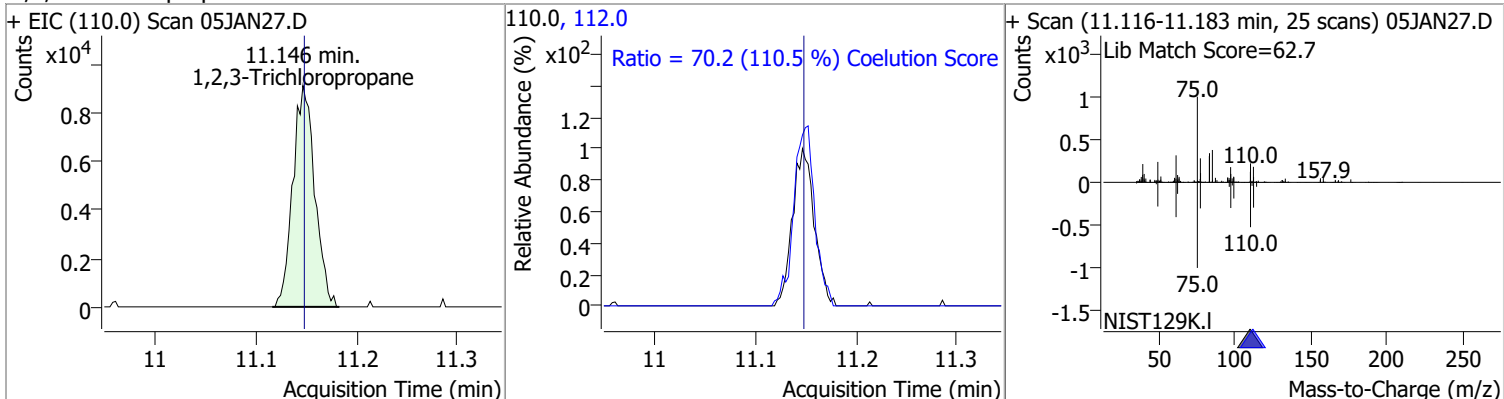
| Compound     | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|--------------|----------|-------|----------|--------|-------|--------|-------|-------|
| Bromobenzene | 124.3029 | 11.09 | 0.00     | 100992 | 77.0  | 142.9  | 115.7 | 175.7 |
|              |          |       |          |        | 158.0 | 97.8   | 66.5  | 126.5 |



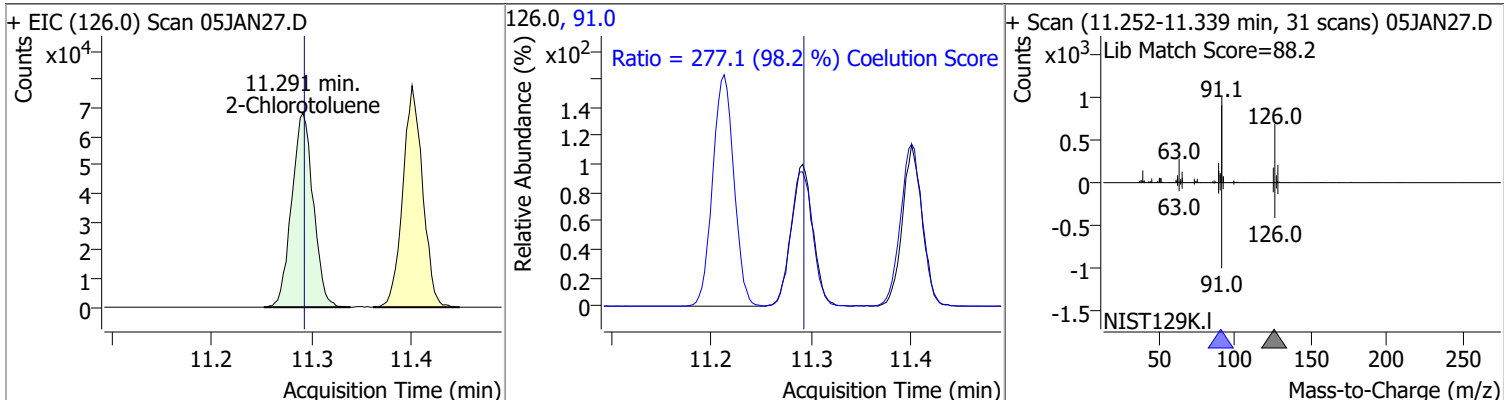
| Compound                  | Conc.    | RT    | Dev(Min) | Resp. | QIon | QRatio | Lower | Upper |
|---------------------------|----------|-------|----------|-------|------|--------|-------|-------|
| 1,1,2,2-Tetrachloroethane | 119.7931 | 11.12 | 0.00     | 56019 | 85.0 | 64.9   | 36.2  | 96.2  |



| Compound               | Conc.    | RT    | Dev(Min) | Resp. | QIon  | QRatio | Lower | Upper |
|------------------------|----------|-------|----------|-------|-------|--------|-------|-------|
| 1,2,3-Trichloropropane | 110.6173 | 11.15 | 0.00     | 13841 | 112.0 | 70.2   | 33.5  | 93.5  |

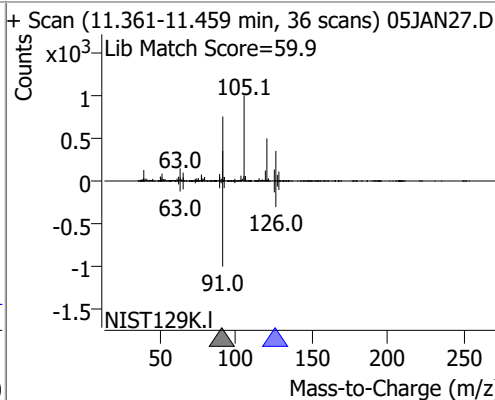
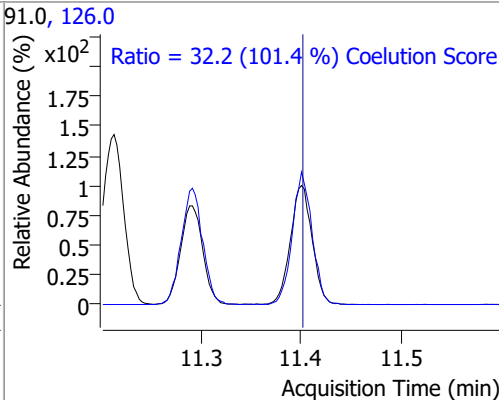
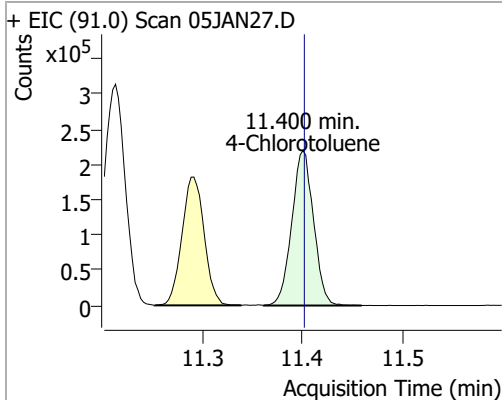


| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|------|--------|-------|-------|
| 2-Chlorotoluene | 125.6181 | 11.29 | 0.00     | 101550 | 91.0 | 277.1  | 252.3 | 312.3 |

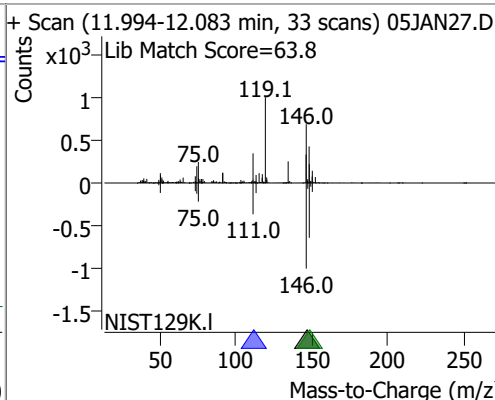
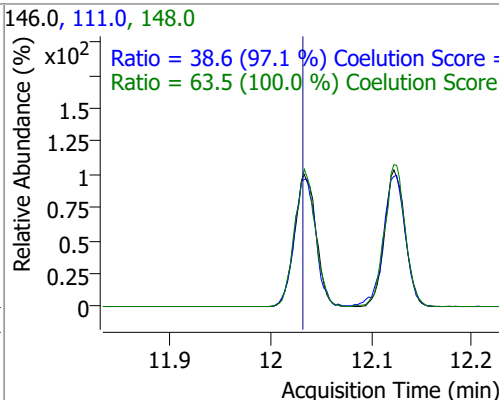
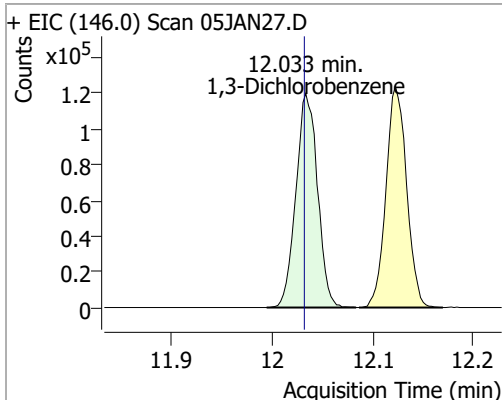


# Quantitation Results Report (QT Reviewed)

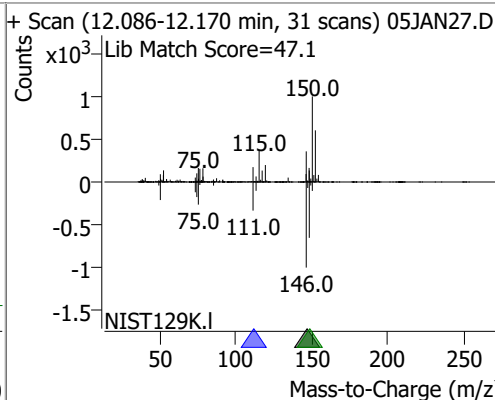
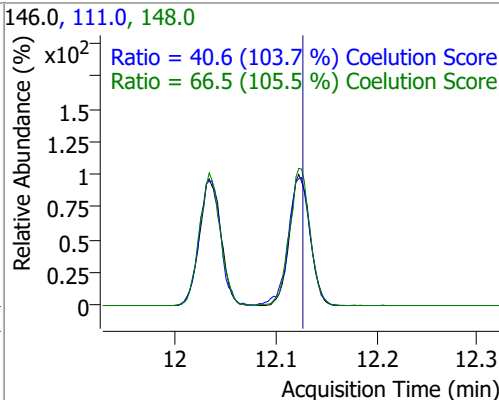
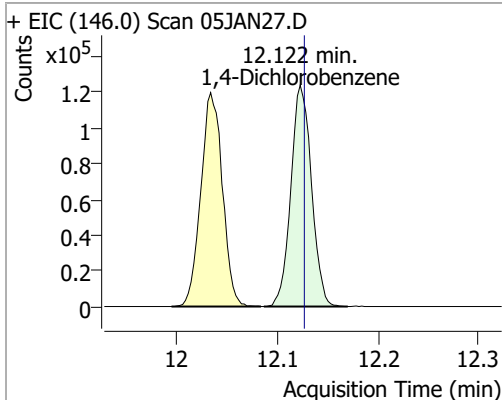
| Compound        | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|-----------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 4-Chlorotoluene | 125.3600 | 11.40 | 0.00     | 330418 | 126.0 | 32.2   | 1.7   | 61.7  |



| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,3-Dichlorobenzene | 121.0460 | 12.03 | 0.00     | 179363 | 148.0 | 63.5   | 33.6  | 93.6  |
|                     |          |       |          |        | 111.0 | 38.6   | 9.8   | 69.8  |

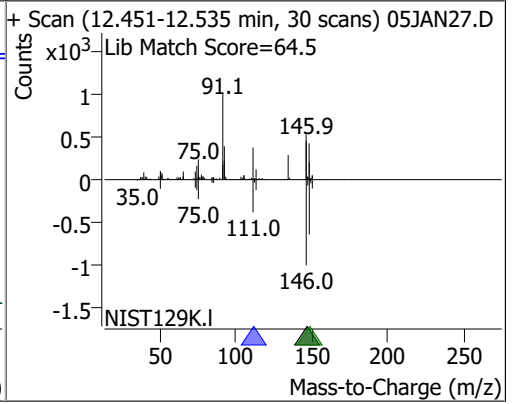
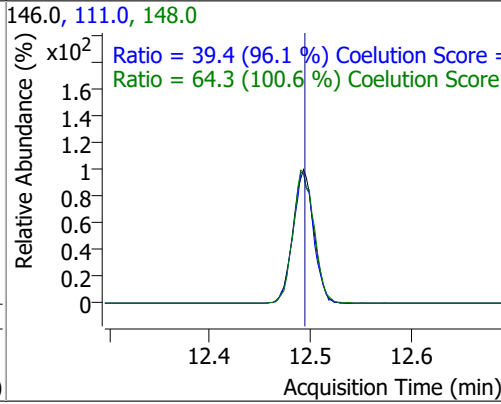
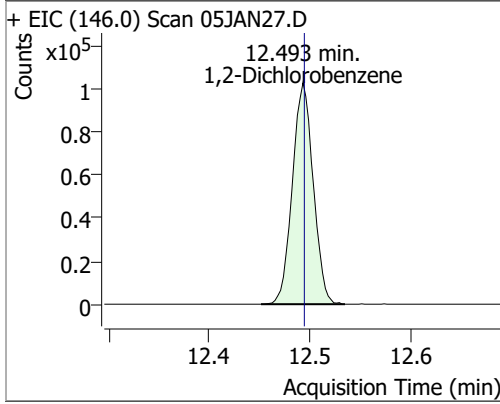


| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,4-Dichlorobenzene | 117.1952 | 12.12 | 0.00     | 177069 | 148.0 | 66.5   | 33.1  | 93.1  |
|                     |          |       |          |        | 111.0 | 40.6   | 9.1   | 69.1  |



# Quantitation Results Report (QT Reviewed)

| Compound            | Conc.    | RT    | Dev(Min) | Resp.  | QIon  | QRatio | Lower | Upper |
|---------------------|----------|-------|----------|--------|-------|--------|-------|-------|
| 1,2-Dichlorobenzene | 118.5734 | 12.49 | 0.00     | 148487 | 148.0 | 64.3   | 33.9  | 93.9  |
|                     |          |       |          |        | 111.0 | 39.4   | 11.0  | 71.0  |





# Audit Trail report

**Batch name and path:** D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522\_8260B.batch.bin  
**Quant batch version:** 10.0  
**Quant reporting version:** 10.0

| Name                         | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdNewBatchTable             | BL2000\mchavez | 1/5/2022 10:06:32 AM | Create new batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/5/2022 10:06:44 AM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN02.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN01.D |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 10:09:25 AM | Set SampleType = TuneCheck for sample 05JAN02.D; previous value = Sample  |        |         | ✓       |           |
| CmdSaveBatchTable            | BL2000\mchavez | 1/5/2022 10:09:53 AM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin                                 |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/5/2022 11:08:02 AM | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/5/2022 11:08:14 AM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN03.D   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 11:08:17 AM | Set SampleType = CC for sample 05JAN03.D; previous value = Sample   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 11:08:21 AM | Set LevelName = CC for sample 05JAN03.D; previous value =   |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/5/2022 11:08:23 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdStartMethodEditing        | BL2000\mchavez | 1/5/2022 11:08:36 AM | Start method editing  |        |         | ✓       |           |
| CmdImportMethodFromBatch     | BL2000\mchavez | 1/5/2022 11:08:37 AM | Import method from batch<br>D:\Org\Data\VOA5977B\VH010422\VH010422_8260B_624pt1.batch.bin                         |        |         | ✓       |           |
| CmdMethodClear               | BL2000\mchavez | 1/5/2022 11:08:56 AM | Clear method  |        |         | ✓       |           |
| CmdImportMethodFromBatch     | BL2000\mchavez | 1/5/2022 11:08:58 AM | Import method from batch<br>D:\Org\Data\VOA5975C\VG010422\VG010422_8260B.batch.bin                                |        |         | ✓       |           |
| CmdApplyMethodToAllSamples   | BL2000\mchavez | 1/5/2022 11:09:02 AM | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear               | BL2000\mchavez | 1/5/2022 11:09:02 AM | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing          | BL2000\mchavez | 1/5/2022 11:09:02 AM | End method editing  |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/5/2022 11:09:07 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/5/2022 11:46:31 AM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN04.D   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 11:46:35 AM | Set SampleType = QC for sample 05JAN04.D; previous value = Sample   |        |         | ✓       |           |

# Audit Trail report

| Name                         | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 11:46:40 AM | Set LevelName = QC for sample 05JAN04.D; previous value =   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 11:46:46 AM | Set SampleInformation = LCSA for sample 05JAN04.D; previous value =   |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/5/2022 11:46:50 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable            | BL2000\mchavez | 1/5/2022 12:10:46 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/5/2022 12:40:50 PM | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/5/2022 12:41:18 PM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN06.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN05.D   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/5/2022 12:41:28 PM | Set SampleType = Blank for sample 05JAN06.D; previous value = Sample  |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/5/2022 12:41:33 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/5/2022 12:42:20 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable            | BL2000\mchavez | 1/5/2022 12:42:58 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/5/2022 2:33:02 PM  | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/5/2022 2:33:41 PM  | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN09.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN08.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN07.D |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/5/2022 2:33:49 PM  | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/5/2022 2:36:55 PM  | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN10.D   |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/5/2022 2:37:06 PM  | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdStartMethodEditing        | BL2000\mchavez | 1/5/2022 2:44:33 PM  | Start method editing  |        |         | ✓       |           |
| CmdImportMethodFromSample    | BL2000\mchavez | 1/5/2022 2:44:34 PM  | Import method from sample 05JAN10.D   |        |         | ✓       |           |
| CmdApplyMethodToAllSamples   | BL2000\mchavez | 1/5/2022 2:47:34 PM  | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear               | BL2000\mchavez | 1/5/2022 2:47:35 PM  | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing          | BL2000\mchavez | 1/5/2022 2:47:36 PM  | End method editing  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|---------------------|---|--------|---------|---------|-----------|
| CmdQuantitate                     | BL2000\mchavez | 1/5/2022 2:47:41 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdImportSamplesFromWorklist      | BL2000\mchavez | 1/5/2022 3:02:57 PM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN11.D   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/5/2022 3:03:07 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/5/2022 3:04:23 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable                 | BL2000\mchavez | 1/5/2022 3:32:09 PM | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist      | BL2000\mchavez | 1/5/2022 3:32:24 PM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN12.D   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/5/2022 3:32:32 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/5/2022 4:00:06 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable                 | BL2000\mchavez | 1/5/2022 4:37:21 PM | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist      | BL2000\mchavez | 1/5/2022 4:37:49 PM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN14.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN13.D   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/5/2022 4:38:00 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 4:38:36 PM | Manually integrate compound Chlorodibromomethane in sample 05JAN14.D, from x, y = 9.169, 0 to 9.233, 0, result = 3282; previous integration is from x, y = 9.194, 0 to 9.233, 0 and previous response = 2357. |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/5/2022 4:38:54 PM | Manually integrate compound Chloroform in sample 05JAN14.D, from x, y = 5.597, 0 to 5.706, 0, result = 2570; previous integration is from x, y = 5.636, 0 to 5.689, 0 and previous response = 2109.           |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/5/2022 4:38:57 PM | Manually integrate qualifier 85.0 of compound Chloroform in sample 05JAN14.D from x, y = 5.611, 0 to 5.706, 0; result = 1771  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/5/2022 4:39:08 PM | Zero out primary peak of compound 4-Chlorotoluene in sample 05JAN14.D   |        |         | ✓       |           |

# Audit Trail report

| Name                         | User           | Time                | Action  | Reason | Comment | Succeed | Exception |
|------------------------------|----------------|---------------------|---|--------|---------|---------|-----------|
| CmdSaveBatchTable            | BL2000\mchavez | 1/5/2022 4:55:15 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable            | BL2000\mchavez | 1/6/2022 8:31:32 AM | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdImportSamplesFromWorklist | BL2000\mchavez | 1/6/2022 8:33:55 AM | Add samples from worklist:<br>D:\Org\Data\VOA5975C\VG010522\05JAN29.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN28.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN27.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN26.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN25.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN24.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN23.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN22.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN21.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN20.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN19.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN18.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN17.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN16.D,<br>D:\Org\Data\VOA5975C\VG010522\05JAN15.D |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/6/2022 8:34:07 AM | Set SampleType = CC for sample 05JAN27.D; previous value = Sample   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/6/2022 8:34:16 AM | Set LevelName = CC for sample 05JAN27.D; previous value =   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/6/2022 8:34:21 AM | Set SampleType = Matrix for sample 05JAN24.D; previous value = Sample   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/6/2022 8:34:26 AM | Set SampleType = MatrixDup for sample 05JAN25.D; previous value = Sample  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/6/2022 8:36:48 AM | Set SampleInformation = MatrixA for sample 05JAN24.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/6/2022 8:36:52 AM | Set SampleInformation = MatrixA for sample 05JAN25.D; previous value =  |        |         | ✓       |           |
| CmdQuantitate                | BL2000\mchavez | 1/6/2022 8:37:11 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSetSampleAttribute        | BL2000\mchavez | 1/6/2022 8:37:19 AM | Set MatrixSpikeGroup = 2 for sample 05JAN24.D; previous value =   |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                  | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|-----------------------|---|--------|---------|---------|-----------|
| CmdSetSampleAttribute             | BL2000\mchavez | 1/6/2022 8:37:23 AM   | Set MatrixSpikeGroup = 2 for sample 05JAN25.D; previous value =   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/6/2022 8:37:30 AM   | Set MatrixSpikeGroup = 2 for sample 05JAN14.D; previous value =   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/6/2022 8:37:50 AM   | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/6/2022 10:07:46 AM  | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable                 | BL2000\mchavez | 1/9/2022 9:04:24 PM   | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdStartMethodEditing             | BL2000\mchavez | 1/9/2022 9:05:13 PM   | Start method editing  |        |         | ✓       |           |
| CmdImportMethodFromFile           | BL2000\mchavez | 1/9/2022 9:05:14 PM   | Import method from file<br>\\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_010422_CAL\VOA5975C_8260B_SHT_DoD_L4_010422.m      |        |         | ✓       |           |
| CmdApplyMethodToAllSamples        | BL2000\mchavez | 1/9/2022 9:05:27 PM   | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear                    | BL2000\mchavez | 1/9/2022 9:05:27 PM   | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing               | BL2000\mchavez | 1/9/2022 9:05:27 PM   | End method editing  |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/9/2022 9:05:41 PM   | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/9/2022 9:06:14 PM   | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdOpenBatchTable                 | BL2000\mchavez | 1/10/2022 12:44:09 PM | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 12:44:18 PM | Set SampleApproved = True for sample 05JAN02.D; previous value = False  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 12:47:41 PM | Set SampleApproved = True for sample 05JAN03.D; previous value = False  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 12:48:32 PM | Set SampleApproved = True for sample 05JAN04.D; previous value = False  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:48:58 PM | Manually integrate compound Methylene chloride in sample 05JAN06.D from x, y = 3.282, 0 to 3.377, 0; result = 1656                  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:49:00 PM | Manually integrate qualifier 84.0 of compound Methylene chloride in sample 05JAN06.D from x, y = 3.294, 0 to 3.391, 0; result = 783 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:49:05 PM | Manually integrate qualifier 86.0 of compound Methylene chloride in sample 05JAN06.D from x, y = 3.277, 0 to 3.386, 0; result = 764 |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                  | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|-----------------------|---|--------|---------|---------|-----------|
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:49:09 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN06.D; previous value =                                       |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 12:50:50 PM | Set SampleApproved = True for sample 05JAN06.D; previous value = False  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:51:41 PM | Manually integrate compound Toluene in sample 05JAN07.D from x, y = 8.349, 0 to 8.422, 0; result = 1710                             |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:51:45 PM | Set UserAnnotation = NI for compound Toluene in sample 05JAN07.D; previous value =  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:52:02 PM | Manually integrate compound Benzene in sample 05JAN07.D from x, y = 6.250, 0 to 6.300, 0; result = 306                              |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:52:06 PM | Manually integrate qualifier 77.0 of compound Benzene in sample 05JAN07.D from x, y = 6.269, 0 to 6.300, 0; result = 56             |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:52:12 PM | Set UserAnnotation = NI for compound Benzene in sample 05JAN07.D; previous value =  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:52:32 PM | Manually integrate compound Methylene chloride in sample 05JAN07.D from x, y = 3.285, 0 to 3.386, 0; result = 1563                  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:52:35 PM | Manually integrate qualifier 84.0 of compound Methylene chloride in sample 05JAN07.D from x, y = 3.294, 0 to 3.377, 0; result = 950 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:52:38 PM | Manually integrate qualifier 86.0 of compound Methylene chloride in sample 05JAN07.D from x, y = 3.294, 0 to 3.374, 0; result = 316 |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:52:42 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN07.D; previous value =                                       |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:52:56 PM | Manually integrate compound Chloromethane in sample 05JAN07.D from x, y = 1.378, 0 to 1.425, 0; result = 579                        |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:53:01 PM | Manually integrate qualifier 52.0 of compound Chloromethane in sample 05JAN07.D from x, y = 1.375, 0 to 1.434, 0; result = 64       |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:53:05 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN07.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 12:53:22 PM | Set SampleApproved = True for sample 05JAN07.D; previous value = False  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                  | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|-----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:54:07 PM | Manually integrate qualifier52.0 of compound Chloromethane in sample 05JAN08.D from x, y = 1.367, 0 to 1.447, 0; result = 1467      |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:54:20 PM | Manually integrate compound Methylene chloride in sample 05JAN08.D from x, y = 3.280, 0 to 3.405, 0; result = 1786                  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:54:22 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN08.D from x, y = 3.299, 0 to 3.394, 0; result = 1069 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:54:25 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN08.D from x, y = 3.285, 0 to 3.388, 0; result = 617  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:54:48 PM | Manually integrate compound Toluene in sample 05JAN08.D from x, y = 8.349, 0 to 8.413, 0; result = 1683                             |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:54:52 PM | Set UserAnnotation = NI for compound Toluene in sample 05JAN08.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 12:55:16 PM | Set SampleApproved = True for sample 05JAN08.D; previous value = False  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:55:23 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN08.D; previous value =                                       |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:55:33 PM | Manually integrate compound Toluene in sample 05JAN09.D from x, y = 8.361, 0 to 8.413, 0; result = 1481                             |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:55:37 PM | Set UserAnnotation = NI for compound Toluene in sample 05JAN09.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:55:44 PM | Set UserAnnotation = for compound Toluene in sample 05JAN09.D; previous value = NI  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 12:55:47 PM | Zero out primary peak of compound Toluene in sample 05JAN09.D   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 12:56:18 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Toluene for sample 05JAN09.D; previous value =                   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:56:22 PM | Manually integrate compound Methylene chloride in sample 05JAN09.D from x, y = 3.296, 0 to 3.383, 0; result = 1869                  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:56:26 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN09.D from x, y = 3.288, 0 to 3.372, 0; result = 1107 |        |         | ✓       |           |



# Audit Trail report

| Name                              | User           | Time                  | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|-----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:56:28 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN09.D from x, y = 3.282, 0 to 3.400, 0; result = 742 |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:56:40 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN09.D; previous value =                                      |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:57:49 PM | Manually integrate qualifier52.0 of compound Chloromethane in sample 05JAN09.D from x, y = 1.372, 0 to 1.464, 0; result = 1625     |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 12:57:53 PM | Set SampleApproved = True for sample 05JAN09.D; previous value = False   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/10/2022 12:58:24 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:58:43 PM | Manually integrate compound Methylene chloride in sample 05JAN10.D from x, y = 3.280, 0 to 3.369, 0; result = 1248                 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:58:47 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN10.D from x, y = 3.285, 0 to 3.369, 0; result = 681 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:58:51 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN10.D from x, y = 3.296, 0 to 3.394, 0; result = 397 |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:58:54 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN10.D; previous value =                                      |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:58:59 PM | Manually integrate compound Toluene in sample 05JAN10.D from x, y = 8.349, 0 to 8.428, 0; result = 1581                            |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 12:59:04 PM | Set UserAnnotation = NI for compound Toluene in sample 05JAN10.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 12:59:11 PM | Manually integrate compound Chloromethane in sample 05JAN10.D from x, y = 1.370, 0 to 1.448, 0; result = 1273                      |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 12:59:14 PM | Manually integrate qualifier52.0 of compound Chloromethane in sample 05JAN10.D from x, y = 1.381, 0 to 1.456, 0; result = 512      |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:02:09 PM  | Manually integrate compound m+p-Xylenes in sample 05JAN10.D from x, y = 10.012, 0 to 10.056, 0; result = 169                       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:02:13 PM  | Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 05JAN10.D from x, y = 10.025, 0 to 10.059, 0; result = 230      |        |         | ✓       |           |



# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:02:16 PM | Zero out primary peak of compound m+p-Xylenes in sample 05JAN10.D  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:02:29 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Toluene for sample 05JAN10.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:02:58 PM | Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 05JAN10.D; previous value = Qualifier ratio did not meet method criteria for Toluene                 |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:03:18 PM | Set SampleApproved = True for sample 05JAN10.D; previous value = False   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:04:00 PM | Manually integrate compound m+p-Xylenes in sample 05JAN11.D from x, y = 10.017, 0 to 10.059, 0; result = 36  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:04:03 PM | Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 05JAN11.D from x, y = 10.011, 0 to 10.073, 0; result = 300  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:04:06 PM | Zero out primary peak of compound m+p-Xylenes in sample 05JAN11.D  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:04:24 PM | Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 05JAN11.D; previous value =  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:04:54 PM | Manually integrate compound Benzene in sample 05JAN11.D from x, y = 6.238, 0 to 6.319, 0; result = 424   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:04:57 PM | Manually integrate qualifier77.0 of compound Benzene in sample 05JAN11.D from x, y = 6.241, 0 to 6.319, 0; result = 84   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:05:02 PM | Set UserAnnotation = NI for compound Benzene in sample 05JAN11.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:05:14 PM | Manually integrate compound Chloroform in sample 05JAN11.D from x, y = 5.622, 0 to 5.686, 0; result = 66   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:05:17 PM | Manually integrate qualifier85.0 of compound Chloroform in sample 05JAN11.D from x, y = 5.625, 0 to 5.681, 0; result = 75  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:05:23 PM | Zero out primary peak of compound Chloroform in sample 05JAN11.D   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:05:42 PM | Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes, Chloroform for sample 05JAN11.D; previous value = Qualifier ratio did not meet method criteria for m+p Xylenes |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:06:09 PM | Manually integrate compound Methylene chloride in sample 05JAN11.D from x, y = 3.283, 0 to 3.375, 0; result = 1663                  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:06:14 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN11.D from x, y = 3.291, 0 to 3.411, 0; result = 1278 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:06:16 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN11.D from x, y = 3.283, 0 to 3.422, 0; result = 795  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:06:22 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN11.D; previous value =                                       |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:06:36 PM | Manually integrate compound Chloromethane in sample 05JAN11.D from x, y = 1.372, 0 to 1.442, 0; result = 1466                       |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:06:38 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN11.D; previous value =  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:06:41 PM | Manually integrate qualifier52.0 of compound Chloromethane in sample 05JAN11.D from x, y = 1.353, 0 to 1.453, 0; result = 404       |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/10/2022 1:07:18 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:07:29 PM | Set SampleApproved = True for sample 05JAN11.D; previous value = False  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:07:51 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN12.D from x, y = 3.294, 0 to 3.375, 0; result = 1439 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:07:53 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN12.D from x, y = 3.305, 0 to 3.377, 0; result = 950  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:08:09 PM | Manually integrate compound Chloromethane in sample 05JAN12.D from x, y = 1.375, 0 to 1.442, 0; result = 1581                       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:08:13 PM | Manually integrate qualifier52.0 of compound Chloromethane in sample 05JAN12.D from x, y = 1.378, 0 to 1.434, 0; result = 426       |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:08:17 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN12.D; previous value =  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:08:33 PM | Manually integrate compound Methyl tert-butyl ether (MTBE) in sample 05JAN12.D from x, y = 3.731, 0 to 3.784, 0; result = 28  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:08:36 PM | Manually integrate qualifier 57.0 of compound Methyl tert-butyl ether (MTBE) in sample 05JAN12.D from x, y = 3.743, 0 to 3.784, 0; result = 28  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:08:40 PM | Zero out primary peak of compound Methyl tert-butyl ether (MTBE) in sample 05JAN12.D  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:08:57 PM | Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes, Chloroform for sample 05JAN12.D; previous value =   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:09:16 PM | Set UserDefined = Qualifier ratio did not meet method criteria for MtBE for sample 05JAN12.D; previous value = Qualifier ratio did not meet method criteria for m+p Xylenes, Chloroform |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:10:54 PM | Manually integrate compound Chloroform in sample 05JAN12.D from x, y = 5.614, 0 to 5.692, 0; result = 227   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:10:57 PM | Manually integrate qualifier 85.0 of compound Chloroform in sample 05JAN12.D from x, y = 5.633, 0 to 5.681, 0; result = 28  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:11:00 PM | Zero out primary peak of compound Chloroform in sample 05JAN12.D  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:11:17 PM | Set UserDefined = Qualifier ratio did not meet method criteria for MtBE, Chloroform for sample 05JAN12.D; previous value = Qualifier ratio did not meet method criteria for MtBE        |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:11:39 PM | Manually integrate compound Benzene in sample 05JAN12.D from x, y = 6.241, 0 to 6.333, 0; result = 411  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:11:42 PM | Manually integrate qualifier 77.0 of compound Benzene in sample 05JAN12.D from x, y = 6.241, 0 to 6.317, 0; result = 70   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:12:16 PM | Set SampleApproved = True for sample 05JAN12.D; previous value = False  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:13:06 PM | Manually integrate compound Methylene chloride in sample 05JAN13.D from x, y = 3.282, 0 to 3.372, 0; result = 1841  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:13:09 PM | Manually integrate qualifier 84.0 of compound Methylene chloride in sample 05JAN13.D from x, y = 3.274, 0 to 3.391, 0; result = 1473  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:13:11 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN13.D from x, y = 3.291, 0 to 3.397, 0; result = 726 |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:13:14 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN13.D; previous value =                                      |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:13:26 PM | Manually integrate compound Chloromethane in sample 05JAN13.D from x, y = 1.383, 0 to 1.431, 0; result = 955                       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:13:29 PM | Manually integrate qualifier52.0 of compound Chloromethane in sample 05JAN13.D from x, y = 1.375, 0 to 1.456, 0; result = 206      |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:13:35 PM | Set SampleApproved = True for sample 05JAN13.D; previous value = False   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:13:46 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN13.D; previous value =   |        |         | ✓       |           |
| CmdSaveBatchTable                 | BL2000\mchavez | 1/10/2022 1:13:49 PM | Save batch D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:16:16 PM | Set UserAnnotation = NI for compound Chloroform in sample 05JAN14.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:16:22 PM | Set UserAnnotation = LT for compound Chloroform in sample 05JAN14.D; previous value = NI   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:16:31 PM | Set UserAnnotation = LT for compound Chlorodibromomethane in sample 05JAN14.D; previous value =                                    |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:16:47 PM | Manually integrate compound Chloromethane in sample 05JAN14.D from x, y = 1.386, 0 to 1.456, 0; result = 612                       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:16:49 PM | Manually integrate qualifier52.0 of compound Chloromethane in sample 05JAN14.D from x, y = 1.389, 0 to 1.448, 0; result = 152      |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:16:55 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN14.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:17:08 PM | Manually integrate compound Methylene chloride in sample 05JAN14.D from x, y = 3.296, 0 to 3.386, 0; result = 858                  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:17:11 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN14.D from x, y = 3.299, 0 to 3.380, 0; result = 344 |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:17:13 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN14.D from x, y = 3.299, 0 to 3.355, 0; result = 70   |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:17:19 PM | Zero out primary peak of compound Methylene chloride in sample 05JAN14.D  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:17:31 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Toluene for sample 05JAN14.D; previous value =   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:17:44 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Methylene chloride for sample 05JAN14.D; previous value = Qualifier ratio did not meet method criteria for Toluene |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:18:15 PM | Manually integrate compound Benzene in sample 05JAN14.D from x, y = 6.238, 0 to 6.317, 0; result = 357  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:18:18 PM | Manually integrate qualifier77.0 of compound Benzene in sample 05JAN14.D from x, y = 6.269, 0 to 6.347, 0; result = 67  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:18:34 PM | Manually integrate compound Bromodichloromethane in sample 05JAN14.D from x, y = 7.552, 0 to 7.624, 0; result = 1414  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:18:36 PM | Manually integrate qualifier85.0 of compound Bromodichloromethane in sample 05JAN14.D from x, y = 7.563, 0 to 7.630, 0; result = 808  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:18:39 PM | Manually integrate qualifier127.0 of compound Bromodichloromethane in sample 05JAN14.D from x, y = 7.558, 0 to 7.619, 0; result = 38  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:18:43 PM | Set UserAnnotation = NI for compound Bromodichloromethane in sample 05JAN14.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:18:46 PM | Set UserAnnotation = NI for compound Benzene in sample 05JAN14.D; previous value =  |        |         | ✓       |           |

# Audit Trail report

| Name                     | User           | Time                 | Action   | Reason | Comment | Succeed | Exception  |
|--------------------------|----------------|----------------------|--|--------|---------|---------|--|
| CmdManuallyIntegratePeak | BL2000\mchavez | 1/10/2022 1:18:56 PM | Manually integrate compound Toluene in sample 05JAN14.D from x, y = 8.361, 0 to 8.408, 0; result = 0 |        |         |         | Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound Toluene in sample B22010002-001F. ---><br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound Toluene in sample B22010002-001F. ---><br>System.IndexOutOfRangeException: Index was outside the bounds of the array.<br>at<br>Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)<br>--- End of inner exception stack trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.SetManualIntegrationFailureMessage(Exception e)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) |

# Audit Trail report

| Name | User | Time | Action | Reason | Comment | Succeed | Exception   |
|------|------|------|--------|--------|---------|---------|---|
|      |      |      |        |        |         |         | at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do()<br>--- End of inner exception stack<br>trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do()<br>at<br>Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext.Invoke(ICommand cmd) |

# Audit Trail report

| Name                                  | User           | Time                 | Action   | Reason | Comment | Succeed | Exception  |
|---------------------------------------|----------------|----------------------|--|--------|---------|---------|--|
| CmdManuallyIntegrate<br>QualifierPeak | BL2000\mchavez | 1/10/2022 1:19:03 PM | Manually integrate qualifier 91.0 of compound Toluene in sample 05JAN14.D from x, y = 8.363, 0 to 8.400, 0; result = 0 |        |         |         | Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 91.0 of compound Toluene in sample B22010002-001F. ---><br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 91.0 of compound Toluene in sample B22010002-001F. ---><br>System.IndexOutOfRangeException: Index was outside the bounds of the array.<br>at<br>at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12)<br>at<br>at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry)<br>at<br>at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1)<br>at<br>at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist)<br>at<br>at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)<br>--- End of inner exception stack trace ---<br>at<br>at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QualifierIon.SetManualIntegrationFailureMessage(Exception e)<br>at<br>at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) |



# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception  |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|--|
|                                   |                |                      |   |        |         |         | at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do()<br>--- End of inner exception stack<br>trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do()<br>at<br>Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd) |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:19:09 PM | Manually integrate compound Toluene in sample 05JAN14.D from x, y = 8.358, 0 to 8.416, 0; result = 271  |        |         | ✓       |  |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:19:13 PM | Manually integrate qualifier91.0 of compound Toluene in sample 05JAN14.D from x, y = 8.358, 0 to 8.405, 0; result = 608   |        |         | ✓       |  |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:19:18 PM | Zero out primary peak of compound Toluene in sample 05JAN14.D   |        |         | ✓       |  |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:19:31 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Methylene chloride, Toluene for sample 05JAN14.D; previous value = Qualifier ratio did not meet method criteria for Methylene chloride |        |         | ✓       |  |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:20:05 PM | Manually integrate compound Ethylbenzene in sample 05JAN14.D from x, y = 9.900, 0 to 9.939, 0; result = 333   |        |         | ✓       |  |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:20:07 PM | Manually integrate qualifier106.0 of compound Ethylbenzene in sample 05JAN14.D from x, y = 9.900, 0 to 9.939, 0; result = 56  |        |         | ✓       |  |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:20:11 PM | Set UserAnnotation = NI for compound Ethylbenzene in sample 05JAN14.D; previous value =   |        |         | ✓       |  |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:20:16 PM | Manually integrate compound m+p-Xylenes in sample 05JAN14.D from x, y = 10.009, 0 to 10.090, 0; result = 479  |        |         | ✓       |  |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:20:19 PM | Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 05JAN14.D from x, y = 9.995, 0 to 10.076, 0; result = 1538   |        |         | ✓       |  |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:20:23 PM | Zero out primary peak of compound m+p-Xylenes in sample 05JAN14.D   |        |         | ✓       |  |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:20:45 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Methylene chloride, Toluene, m+p Xylenes for sample 05JAN14.D; previous value = Qualifier ratio did not meet method criteria for Methylene chloride, Toluene |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:21:17 PM | Set SampleApproved = True for sample 05JAN14.D; previous value = False  |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/10/2022 1:21:38 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:22:11 PM | Manually integrate qualifier174.5 of compound Bromoform in sample 05JAN15.D from x, y = 10.580, 0 to 10.675, 0; result = 1921   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:22:13 PM | Manually integrate qualifier170.5 of compound Bromoform in sample 05JAN15.D from x, y = 10.580, 0 to 10.667, 0; result = 2415   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:22:52 PM | Manually integrate compound Bromodichloromethane in sample 05JAN15.D from x, y = 7.541, 0 to 7.644, 0; result = 1705  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:22:55 PM | Manually integrate qualifier85.0 of compound Bromodichloromethane in sample 05JAN15.D from x, y = 7.541, 0 to 7.633, 0; result = 1225   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:22:57 PM | Manually integrate qualifier127.0 of compound Bromodichloromethane in sample 05JAN15.D from x, y = 7.566, 0 to 7.605, 0; result = 65  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:23:01 PM | Set UserAnnotation = NI for compound Bromodichloromethane in sample 05JAN15.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:24:09 PM | Manually integrate qualifier85.0 of compound Chloroform in sample 05JAN15.D from x, y = 5.586, 0 to 5.717, 0; result = 1954   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:24:23 PM | Manually integrate compound Methylene chloride in sample 05JAN15.D from x, y = 3.296, 0 to 3.366, 0; result = 658   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:24:25 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN15.D from x, y = 3.291, 0 to 3.372, 0; result = 283  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:24:27 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN15.D from x, y = 3.293, 0 to 3.374, 0; result = 210  |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:24:39 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN15.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:24:55 PM | Manually integrate compound Chloromethane in sample 05JAN15.D from x, y = 1.386, 0 to 1.417, 0; result = 529  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:24:57 PM | Manually integrate qualifier 52.0 of compound Chloromethane in sample 05JAN15.D from x, y = 1.392, 0 to 1.453, 0; result = 111  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:25:11 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN15.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:25:14 PM | Set SampleApproved = True for sample 05JAN15.D; previous value = False  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:25:37 PM | Manually integrate qualifier 52.0 of compound Chloromethane in sample 05JAN16.D from x, y = 1.364, 0 to 1.464, 0; result = 1882   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:25:44 PM | Manually integrate qualifier 85.0 of compound Chloroform in sample 05JAN16.D from x, y = 5.603, 0 to 5.714, 0; result = 1868  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:26:17 PM | Manually integrate compound Bromodichloromethane in sample 05JAN16.D from x, y = 7.541, 0 to 7.627, 0; result = 1814  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:26:18 PM | Manually integrate qualifier 85.0 of compound Bromodichloromethane in sample 05JAN16.D from x, y = 7.504, 0 to 7.532, 0; result = 0   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:26:20 PM | Manually integrate qualifier 85.0 of compound Bromodichloromethane in sample 05JAN16.D, from x, y = 7.504, 0 to 7.624, 0, result = 835; previous integration is from x, y = 7.504, 0 to 7.532, 0 and previous response = 0. |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:26:23 PM | Manually integrate qualifier 127.0 of compound Bromodichloromethane in sample 05JAN16.D from x, y = 7.557, 0 to 7.624, 0; result = 26   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:26:27 PM | Set UserAnnotation = NI for compound Bromodichloromethane in sample 05JAN16.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:26:34 PM | Manually integrate compound Benzene in sample 05JAN16.D from x, y = 6.238, 0 to 6.316, 0; result = 421  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:26:36 PM | Manually integrate qualifier 77.0 of compound Benzene in sample 05JAN16.D from x, y = 6.252, 0 to 6.297, 0; result = 28   |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:26:39 PM | Set UserAnnotation = NI for compound Benzene in sample 05JAN16.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:26:48 PM | Manually integrate compound Toluene in sample 05JAN16.D from x, y = 8.358, 0 to 8.402, 0; result = 212                         |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:26:51 PM | Manually integrate qualifier91.0 of compound Toluene in sample 05JAN16.D from x, y = 8.361, 0 to 8.430, 0; result = 751        |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:26:56 PM | Set UserAnnotation = NI for compound Toluene in sample 05JAN16.D; previous value =   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:27:01 PM | Set UserAnnotation = for compound Toluene in sample 05JAN16.D; previous value = NI   |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:27:04 PM | Zero out primary peak of compound Toluene in sample 05JAN16.D  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:27:20 PM | Manually integrate compound m+p-Xylenes in sample 05JAN16.D from x, y = 10.011, 0 to 10.084, 0; result = 646                   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:27:23 PM | Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 05JAN16.D from x, y = 10.000, 0 to 10.073, 0; result = 1199 |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:27:27 PM | Set UserAnnotation = NI for compound m+p-Xylenes in sample 05JAN16.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:27:34 PM | Manually integrate compound o-Xylene in sample 05JAN16.D from x, y = 10.388, 0 to 10.477, 0; result = 1444                     |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:27:38 PM | Set UserAnnotation = NI for compound o-Xylene in sample 05JAN16.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:27:59 PM | Set SampleApproved = True for sample 05JAN16.D; previous value = False   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/10/2022 1:28:17 PM | Quantitate all compounds in all samples  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:28:50 PM | Manually integrate compound m+p-Xylenes in sample 05JAN17.D from x, y = 10.017, 0 to 10.059, 0; result = 64                    |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:28:53 PM | Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 05JAN17.D from x, y = 10.006, 0 to 10.076, 0; result = 130  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:28:57 PM | Set UserAnnotation = NI for compound m+p-Xylenes in sample 05JAN17.D; previous value =   |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:29:03 PM | Manually integrate compound Ethylbenzene in sample 05JAN17.D from x, y = 9.897, 0 to 9.939, 0; result = 97   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:29:05 PM | Manually integrate qualifier106.0 of compound Ethylbenzene in sample 05JAN17.D from x, y = 9.905, 0 to 9.939, 0; result = 64   |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:29:09 PM | Zero out primary peak of compound Ethylbenzene in sample 05JAN17.D   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:29:23 PM | Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 05JAN17.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:29:34 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Ethylbenzene for sample 05JAN17.D; previous value = Qualifier ratio did not meet method criteria for m+p Xylenes                      |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:30:16 PM | Manually integrate compound Methylene chloride in sample 05JAN17.D from x, y = 3.282, 0 to 3.377, 0; result = 599  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:30:18 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN17.D from x, y = 3.294, 0 to 3.383, 0; result = 354   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:30:20 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN17.D from x, y = 3.305, 0 to 3.361, 0; result = 53  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:30:24 PM | Zero out primary peak of compound Methylene chloride in sample 05JAN17.D   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:30:40 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Ethylbenzene, Methylene chloride for sample 05JAN17.D; previous value = Qualifier ratio did not meet method criteria for Ethylbenzene |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:30:54 PM | Manually integrate compound Methylene chloride in sample 05JAN16.D from x, y = 3.291, 0 to 3.383, 0; result = 894  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:30:56 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN16.D from x, y = 3.294, 0 to 3.374, 0; result = 251   |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:31:00 PM | Zero out primary peak of compound Methylene chloride in sample 05JAN16.D   |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:31:21 PM | Set UserDefined = Qualifier ratio did not meet method criteria for Methylene chloride for sample 05JAN16.D; previous value =        |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:32:02 PM | Manually integrate compound Chloromethane in sample 05JAN17.D from x, y = 1.378, 0 to 1.442, 0; result = 1055                       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:32:04 PM | Manually integrate qualifier52.0 of compound Chloromethane in sample 05JAN17.D from x, y = 1.392, 0 to 1.448, 0; result = 228       |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:32:11 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN17.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:32:12 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN17.D; previous value = NI   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:32:17 PM | Set SampleApproved = True for sample 05JAN17.D; previous value = False  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:32:36 PM | Manually integrate compound Methylene chloride in sample 05JAN18.D from x, y = 3.296, 0 to 3.388, 0; result = 441                   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:32:38 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN18.D from x, y = 3.305, 0 to 3.397, 0; result = 299  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:32:41 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN18.D from x, y = 3.288, 0 to 3.386, 0; result = 175  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:33:14 PM | Manually integrate qualifier64.0 of compound 1,2-Dichloroethane in sample 05JAN18.D from x, y = 6.283, 0 to 6.361, 0; result = 1423 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:33:17 PM | Manually integrate qualifier98.0 of compound 1,2-Dichloroethane in sample 05JAN18.D from x, y = 6.291, 0 to 6.350, 0; result = 152  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:34:08 PM | Manually integrate compound m+p-Xylenes in sample 05JAN18.D from x, y = 10.006, 0 to 10.070, 0; result = 54                         |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:34:11 PM | Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 05JAN18.D from x, y = 10.011, 0 to 10.076, 0; result = 292       |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:34:15 PM | Zero out primary peak of compound m+p-Xylenes in sample 05JAN18.D   |        |         | ✓       |           |

# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:34:34 PM | Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 05JAN18.D; previous value =               |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:35:00 PM | Set SampleApproved = True for sample 05JAN18.D; previous value = False  |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/10/2022 1:35:20 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdQuantitate                     | BL2000\mchavez | 1/10/2022 1:37:48 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:40:43 PM | Manually integrate compound Methylene chloride in sample 05JAN19.D from x, y = 3.305, 0 to 3.383, 0; result = 756                   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:40:47 PM | Manually integrate qualifier 84.0 of compound Methylene chloride in sample 05JAN19.D from x, y = 3.296, 0 to 3.366, 0; result = 449 |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:40:49 PM | Manually integrate qualifier 86.0 of compound Methylene chloride in sample 05JAN19.D from x, y = 3.296, 0 to 3.383, 0; result = 195 |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:40:54 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN19.D; previous value =                                       |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:41:11 PM | Manually integrate compound Chloromethane in sample 05JAN19.D from x, y = 1.383, 0 to 1.431, 0; result = 1360                       |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:41:14 PM | Manually integrate qualifier 52.0 of compound Chloromethane in sample 05JAN19.D from x, y = 1.367, 0 to 1.433, 0; result = 469      |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:41:18 PM | Set SampleApproved = True for sample 05JAN19.D; previous value = False  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:41:46 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN19.D; previous value =  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:44:21 PM | Manually integrate compound Benzene in sample 05JAN20.D from x, y = 6.261, 0 to 6.319, 0; result = 427                              |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:44:23 PM | Manually integrate qualifier 77.0 of compound Benzene in sample 05JAN20.D from x, y = 6.241, 0 to 6.291, 0; result = 68             |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:44:49 PM | Manually integrate compound m+p-Xylenes in sample 05JAN20.D from x, y = 10.025, 0 to 10.067, 0; result = 114                        |        |         | ✓       |           |



# Audit Trail report

| Name                              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:44:51 PM | Manually integrate qualifier 91.0 of compound m+p-Xylenes in sample 05JAN20.D from x, y = 10.011, 0 to 10.056, 0; result = 129  |        |         | ✓       |           |
| CmdZeroOutPeak                    | BL2000\mchavez | 1/10/2022 1:44:55 PM | Zero out primary peak of compound m+p-Xylenes in sample 05JAN20.D   |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:45:07 PM | Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 05JAN20.D; previous value =           |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:45:35 PM | Set SampleApproved = True for sample 05JAN20.D; previous value = False  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:46:18 PM | Manually integrate compound Benzene in sample 05JAN21.D from x, y = 6.238, 0 to 6.317, 0; result = 280                          |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:46:21 PM | Manually integrate qualifier 77.0 of compound Benzene in sample 05JAN21.D from x, y = 6.252, 0 to 6.319, 0; result = 25         |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:46:48 PM | Manually integrate compound Chloromethane in sample 05JAN21.D from x, y = 1.375, 0 to 1.445, 0; result = 1801                   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:46:51 PM | Manually integrate qualifier 52.0 of compound Chloromethane in sample 05JAN21.D from x, y = 1.372, 0 to 1.462, 0; result = 449  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:47:01 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN21.D; previous value =  |        |         | ✓       |           |
| CmdSetSampleAttribute             | BL2000\mchavez | 1/10/2022 1:47:03 PM | Set SampleApproved = True for sample 05JAN21.D; previous value = False  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:47:15 PM | Set UserAnnotation = NI for compound Benzene in sample 05JAN21.D; previous value =  |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:47:44 PM | Manually integrate qualifier 52.0 of compound Chloromethane in sample 05JAN22.D from x, y = 1.364, 0 to 1.453, 0; result = 1415 |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:47:57 PM | Manually integrate compound Chloroethane in sample 05JAN22.D from x, y = 1.874, 224 to 1.913, 411; result = 1664                |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:48:01 PM | Manually integrate qualifier 66.0 of compound Chloroethane in sample 05JAN22.D from x, y = 1.849, 0 to 1.913, 0; result = 417   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:48:09 PM | Set UserAnnotation = NI for compound Chloroethane in sample 05JAN22.D; previous value =   |        |         | ✓       |           |



# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:48:16 PM | Manually integrate compound Methylene chloride in sample 05JAN22.D from x, y = 3.252, 662 to 3.313, 107; result = -1310  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:48:19 PM | Manually integrate compound Methylene chloride in sample 05JAN22.D, from x, y = 3.282, 0 to 3.347, 21, result = 911; previous integration is from x, y = 3.252, 662 to 3.313, 107 and previous response = -1310. |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:48:22 PM | Manually integrate compound Methylene chloride in sample 05JAN22.D, from x, y = 3.282, 0 to 3.375, 0, result = 1094; previous integration is from x, y = 3.282, 0 to 3.347, 21 and previous response = 911.      |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:48:24 PM | Manually integrate qualifier84.0 of compound Methylene chloride in sample 05JAN22.D from x, y = 3.296, 0 to 3.394, 0; result = 642   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:48:27 PM | Manually integrate qualifier86.0 of compound Methylene chloride in sample 05JAN22.D from x, y = 3.296, 0 to 3.372, 0; result = 335   |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:48:51 PM | Manually integrate compound Carbon tetrachloride in sample 05JAN22.D from x, y = 5.968, 0 to 6.077, 0; result = 1272   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:48:53 PM | Manually integrate qualifier119.0 of compound Carbon tetrachloride in sample 05JAN22.D from x, y = 5.965, 0 to 6.079, 0; result = 1217   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:48:55 PM | Manually integrate qualifier121.0 of compound Carbon tetrachloride in sample 05JAN22.D from x, y = 5.993, 0 to 6.085, 0; result = 287  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:49:00 PM | Set UserAnnotation = NI for compound Carbon tetrachloride in sample 05JAN22.D; previous value =  |        |         | ✓       |           |
| CmdManuallyIntegratePeak          | BL2000\mchavez | 1/10/2022 1:49:15 PM | Manually integrate compound Benzene in sample 05JAN22.D from x, y = 6.238, 0 to 6.333, 0; result = 1833  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute     | BL2000\mchavez | 1/10/2022 1:49:17 PM | Set UserAnnotation = NI for compound Benzene in sample 05JAN22.D; previous value =   |        |         | ✓       |           |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:49:19 PM | Manually integrate qualifier77.0 of compound Benzene in sample 05JAN22.D from x, y = 6.236, 0 to 6.333, 0; result = 342  |        |         | ✓       |           |

# Audit Trail report

| Name                     | User           | Time                 | Action   | Reason | Comment | Succeed | Exception |
|--------------------------|----------------|----------------------|--|--------|---------|---------|-----------|
| CmdManuallyIntegratePeak | BL2000\mchavez | 1/10/2022 1:49:35 PM | Manually integrate compound 1,2-Dichloroethane in sample 05JAN22.D from x, y = 6.286, 0 to 6.375, 0; result = 1182 |        |         | ✓       |           |
| CmdZeroOutPeak           | BL2000\mchavez | 1/10/2022 1:49:38 PM | Zero out primary peak of compound 1,2-Dichloroethane in sample 05JAN22.D   |        |         | ✓       |           |

# Audit Trail report

| Name                     | User           | Time                 | Action   | Reason | Comment | Succeed | Exception  |
|--------------------------|----------------|----------------------|--|--------|---------|---------|--|
| CmdManuallyIntegratePeak | BL2000\mchavez | 1/10/2022 1:50:01 PM | Manually integrate compound Toluene in sample 05JAN22.D from x, y = 8.363, 0 to 8.408, 0; result = 0 |        |         |         | Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound Toluene in sample B22010143-001F. ---><br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound Toluene in sample B22010143-001F. ---><br>System.IndexOutOfRangeException: Index was outside the bounds of the array.<br>at<br>Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)<br>--- End of inner exception stack trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.SetManualIntegrationFailureMessage(Exception e)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception  |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|--|
|                                   |                |                      |  |        |         |         | at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do()<br>--- End of inner exception stack<br>trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do()<br>at<br>Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd) |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:50:07 PM | Manually integrate qualifier 91.0 of compound Toluene in sample 05JAN22.D from x, y = 8.347, 0 to 8.402, 0; result = 0 |        |         | ✓       |  |

# Audit Trail report

| Name                     | User           | Time                 | Action   | Reason | Comment | Succeed | Exception  |
|--------------------------|----------------|----------------------|--|--------|---------|---------|--|
| CmdManuallyIntegratePeak | BL2000\mchavez | 1/10/2022 1:50:10 PM | Manually integrate compound Toluene in sample 05JAN22.D from x, y = 8.361, 0 to 8.400, 0; result = 0 |        |         |         | Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound Toluene in sample B22010143-001F. ---><br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound Toluene in sample B22010143-001F. ---><br>System.IndexOutOfRangeException: Index was outside the bounds of the array.<br>at<br>Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)<br>--- End of inner exception stack trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.SetManualIntegrationFailureMessage(Exception e)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) |

# Audit Trail report

| Name                              | User           | Time                 | Action   | Reason | Comment | Succeed | Exception  |
|-----------------------------------|----------------|----------------------|--|--------|---------|---------|--|
|                                   |                |                      |  |        |         |         | at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do()<br>--- End of inner exception stack<br>trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do()<br>at<br>Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd) |
| CmdManuallyIntegrateQualifierPeak | BL2000\mchavez | 1/10/2022 1:50:15 PM | Manually integrate qualifier 91.0 of compound Toluene in sample 05JAN22.D from x, y = 8.347, 0 to 8.405, 0; result = 0 |        |         | ✓       |  |

# Audit Trail report

| Name                     | User           | Time                 | Action   | Reason | Comment | Succeed | Exception   |
|--------------------------|----------------|----------------------|--|--------|---------|---------|---|
| CmdManuallyIntegratePeak | BL2000\mchavez | 1/10/2022 1:50:19 PM | Manually integrate compound Toluene in sample 05JAN22.D from x, y = 8.363, 0 to 8.402, 0; result = 0 |        |         |         | <p>Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound Toluene in sample B22010143-001F. ---&gt;</p> <p>Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound Toluene in sample B22010143-001F. ---&gt;</p> <p>System.IndexOutOfRangeException: Index was outside the bounds of the array.<br/>                     at<br/>                     Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double&amp; A_7, Double&amp; A_8, Int32&amp; A_9, Int32&amp; A_10, Int32&amp; A_11, Int32&amp; A_12)<br/>                     at<br/>                     Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double&amp; fullWidthHalfMaximum, Double&amp; symmetry)<br/>                     at<br/>                     Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1)<br/>                     at<br/>                     Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList&amp; peaklist)<br/>                     at<br/>                     Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)<br/>                     --- End of inner exception stack trace ---<br/>                     at<br/>                     Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.SetManualIntegrationFailureMessage(Exception e)<br/>                     at<br/>                     Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)</p> |

# Audit Trail report

| Name                          | User           | Time                 | Action   | Reason | Comment | Succeed | Exception   |
|-------------------------------|----------------|----------------------|--|--------|---------|---------|---|
|                               |                |                      |  |        |         |         | at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do()<br>--- End of inner exception stack<br>trace ---<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do()<br>at<br>Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd)<br>at<br>Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext.Invoke(ICommand cmd) |
| CmdManuallyIntegratePeak      | BL2000\mchavez | 1/10/2022 1:50:28 PM | Manually integrate compound Toluene in sample 05JAN22.D from x, y = 8.375, 0 to 8.394, 0; result = 260 |        |         | ✓       |   |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 1/10/2022 1:50:33 PM | Set UserAnnotation = NI for compound Toluene in sample 05JAN22.D; previous value =                     |        |         | ✓       |   |
| CmdSetSampleAttribute         | BL2000\mchavez | 1/10/2022 1:50:55 PM | Set SampleApproved = True for sample 05JAN22.D; previous value = False                                 |        |         | ✓       |   |
| CmdQuantitate                 | BL2000\mchavez | 1/10/2022 1:51:15 PM | Quantitate all compounds in all samples  |        |         | ✓       |   |
| CmdSetSampleAttribute         | BL2000\mchavez | 1/10/2022 1:55:55 PM | Set SampleApproved = True for sample 05JAN24.D; previous value = False                                 |        |         | ✓       |   |
| CmdSetSampleAttribute         | BL2000\mchavez | 1/10/2022 1:56:48 PM | Set SampleApproved = True for sample 05JAN25.D; previous value = False                                 |        |         | ✓       |   |
| CmdSetSampleAttribute         | BL2000\mchavez | 1/10/2022 1:57:47 PM | Set SampleApproved = True for sample 05JAN27.D; previous value = False                                 |        |         | ✓       |   |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 1/10/2022 1:58:38 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN22.D; previous value =          |        |         | ✓       |   |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 1/10/2022 2:01:18 PM | Set UserAnnotation = NI for compound Methylene chloride in sample 05JAN18.D; previous value =          |        |         | ✓       |   |
| CmdSaveBatchTable             | BL2000\mchavez | 1/10/2022 2:13:09 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin                      |        |         | ✓       |   |
| CmdOpenBatchTable             | BL2000\mchavez | 1/11/2022 8:58:41 AM | Open batch<br>D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin                                   |        |         | ✓       |   |
| CmdStartMethodEditing         | BL2000\mchavez | 1/11/2022 8:58:58 AM | Start method editing   |        |         | ✓       |   |



# Audit Trail report

| Name                          | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-------------------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdImportMethodFromFile       | BL2000\mchavez | 1/11/2022 8:58:59 AM | Import method from file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_010422_CAL\VOA5975C_8260B_SHT_DoD_L4_010422.m |        |         | ✓       |           |
| CmdApplyMethodToAllSamples    | BL2000\mchavez | 1/11/2022 8:59:14 AM | Apply method to all samples   |        |         | ✓       |           |
| CmdMethodClear                | BL2000\mchavez | 1/11/2022 8:59:14 AM | Clear method  |        |         | ✓       |           |
| CmdEndMethodEditing           | BL2000\mchavez | 1/11/2022 8:59:15 AM | End method editing  |        |         | ✓       |           |
| CmdQuantitate                 | BL2000\mchavez | 1/11/2022 8:59:35 AM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable             | BL2000\mchavez | 1/11/2022 9:07:57 AM | Save batch D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin  |        |         | ✓       |           |
| CmdOpenBatchTable             | BL2000\mchavez | 2/28/2022 2:42:09 PM | Open batch D:\Org\Data\VOA5975C\VG010522\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 2:43:26 PM | Set UserAnnotation = NI for compound Chloromethane in sample 05JAN10.D; previous value =                                    |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 2:43:48 PM | Set UserAnnotation = NI for compound Benzene in sample 05JAN12.D; previous value =  |        |         | ✓       |           |
| CmdSetTargetCompoundAttribute | BL2000\mchavez | 2/28/2022 2:45:09 PM | Set UserAnnotation = NI for compound Benzene in sample 05JAN20.D; previous value =  |        |         | ✓       |           |

# Audit Trail report

| Name         | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|--------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdCalibrate | BL2000\mchavez | 2/28/2022 2:46:37 PM | Replace level QC with QC sample 05JAN04.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Benzene};<br>Replace level CC with CC sample 05JAN03.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl |        |         | ✓       |           |

# Audit Trail report

| Name              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-------------------|----------------|----------------------|---|--------|---------|---------|-----------|
|                   |                |                      | ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Benzene};  |        |         |         |           |
| CmdQuantitate     | BL2000\mchavez | 2/28/2022 2:46:59 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |
| CmdSaveBatchTable | BL2000\mchavez | 2/28/2022 2:47:19 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| GenerateReport    | BL2000\mchavez | 2/28/2022 2:48:22 PM | Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\SampleSequence\CC_mid_rpt.m, Output Path: D:\Org\Data\VOA5975C\VG010522\QuantReports\VG010522_8260B   |        |         | ✓       |           |
| CmdCalibrate      | BL2000\mchavez | 2/28/2022 2:48:48 PM | Replace level CC with CC sample 05JAN27.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Benzene}; |        |         | ✓       |           |
| CmdQuantitate     | BL2000\mchavez | 2/28/2022 2:49:11 PM | Quantitate all compounds in all samples   |        |         | ✓       |           |

# Audit Trail report

| Name              | User           | Time                 | Action  | Reason | Comment | Succeed | Exception |
|-------------------|----------------|----------------------|---|--------|---------|---------|-----------|
| CmdSaveBatchTable | BL2000\mchavez | 2/28/2022 2:49:26 PM | Save batch<br>D:\Org\Data\VOA5975C\VG010522\QuantResults\VG010522_8260B.batch.bin   |        |         | ✓       |           |
| GenerateReport    | BL2000\mchavez | 2/28/2022 2:50:08 PM | Generates report - Method:<br>\\MASSHUNTER\Org\reports\LevelIV_Reports\SampleSequence\CC_mid_rpt.m, Output Path:<br>D:\Org\Data\VOA5975C\VG010522\QuantReports\VG010522_8260B-1 |        |         | ✓       |           |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF0313

**Standard Name:** Liquids

**Prep Date:** 6/23/2020

**Exp Date:** 4/13/2023

**Department:** gcmsvoa

**Vendor:** AccuStd

**Lot Number:** 220041126

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,000 ug/mL. Catalog # M502A-R-10X. Corrected lot number to match Cl. MSC 01/14/2022

**Type:** Primary

**Prep By:** Alethea M. Shaules

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used                | Bottle No    | Amt | Units | Expires   |
|--------------------------------------|--------------|-----|-------|-----------|
| Volatile Organic Compounds - Liquids | <u>12797</u> | 1   | mL    | 4/13/2023 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0313     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF0352

**Spike Name:** 2nd Source Liquids

**Prep Date:** 11/23/2020

**Exp Date:** 12/31/2023

**Department:** gcmsvoa

**Vendor:** Agilent

**Lot Number:** 0006570990

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # DWM-589N-1.

**Type:** Primary

**Prep By:** Steve Dilts

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires    |
|-----------------------|--------------|-----|-------|------------|
| VOC Standard          | <u>13292</u> | 1   | mL    | 12/31/2023 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0352     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF0364

**Spike Name:** Surrogates 2.0 mg/mL

**Prep Date:** 1/6/2021

**Exp Date:** 4/18/2029

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 219041458

**Balance ID:**

**Comments:** Date Received 01/04/2021. 2.0 mg/mL. Catalog # M-8260A-B-SS-10X

**Type:** Primary

**Prep By:** Jerran D. Brenden

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used  | Bottle No    | Amt | Units | Expires   |
|------------------------|--------------|-----|-------|-----------|
| Surrogate Standard Mix | <u>13385</u> | 1   | mL    | 4/18/2029 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0364     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF0373

**Standard Name:** MtBE (Methy tert-Butyl Ether)

**Prep Date:** 2/26/2021

**Exp Date:** 8/31/2022

**Department:** gcmsvoa

**Vendor:** Agilent

**Lot Number:** 0006555762

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # STS-440

**Type:** Primary

**Prep By:** Steve Dilts

**Status:** New

**Final Volume:** 5 mL

| Chemical/Solvent Used            | Bottle No | Amt | Units | Expires   |
|----------------------------------|-----------|-----|-------|-----------|
| Methyl tert-Butyl Ether Standard | 13578     | 1   | mL    | 8/31/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0373     | ug/mL      |              |





# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF0401

**Spike Name:** 2nd Source MtBE

**Prep Date:** 6/7/2021

**Exp Date:** 12/11/2029

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 220051182

**Balance ID:**

**Comments:** Date Prepared is same as Date Receive. 2,000 ug/mL in MeOH. Catalog # S-078-10X.

**Type:** Primary

**Prep By:** Alethea M. Shaules

**Status:** New

**Final Volume:** 5 mL

| Chemical/Solvent Used | Bottle No | Amt | Units | Expires    |
|-----------------------|-----------|-----|-------|------------|
| MTBE                  | 13920     | 1   | mL    | 12/11/2029 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0401     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF0417

**Spike Name:** Chem Service Gases

**Prep Date:** 8/3/2021

**Exp Date:** 2/28/2022

**Department:** gcmsvoa

**Vendor:** Chemservice

**Lot Number:** 11882100

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # M-VOHC6M5-1ML

**Type:** Primary

**Prep By:** Steve Dilts

**Status:** New

**Final Volume:** 5 mL

| Chemical/Solvent Used                           | Bottle No    | Amt | Units | Expires   |
|---|--------------|-----|-------|-----------|
| Volatile Organics High Concentration Mixture #6 | <u>14142</u> | 5   | mL    | 2/28/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0417     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF0425

**Standard Name:** Internals

**Prep Date:** 9/8/2021

**Exp Date:** 12/31/2022

**Department:** gcmsvoa

**Vendor:** Agilent

**Lot Number:** 0006582580

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,500 ug/mL in MeOH. Catalog # STM-520-1.

**Type:** Primary

**Prep By:** Jerran D. Brenden

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used | Bottle No    | Amt          | Units | Expires    |
|-----------------------|--------------|--------------|-------|------------|
| Internal Standard     | <u>14251</u> | 1            | mL    | 12/31/2022 |
| Stock Source          | Base Units   | Amount Added |       |            |
| VOCF0425              | ug/mL        |              |       |            |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF0426

**Spike Name:** Surrogates 2.0 mg/mL

**Prep Date:** 9/14/2021

**Exp Date:** 4/18/2029

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 219041458

**Balance ID:**

**Comments:** Date Received 01/04/2021. 2.0 mg/mL. Catalog # M-8260A-B-SS-10X

**Type:** Primary

**Prep By:** Jerran D. Brenden

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used  | Bottle No    | Amt | Units | Expires   |
|------------------------|--------------|-----|-------|-----------|
| Surrogate Standard Mix | <u>14269</u> | 1   | mL    | 4/18/2029 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0426     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF0427

**Standard Name:** Gases

**Prep Date:** 9/17/2021

**Exp Date:** 8/3/2024

**Department:** gcmsvoa

**Vendor:** Absolute

**Lot Number:** 080321

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,000 ug/mL in MeOH. Catalog # 30058.

**Type:** Primary

**Prep By:** Alethea M. Shaules

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used                      | Bottle No    | Amt | Units | Expires  |
|--|--------------|-----|-------|----------|
| EPA Method 502-524 - Volatile Gases Mix #1 | <u>14285</u> | 1   | mL    | 8/3/2024 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0427     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF0434

**Standard Name:** Ketones

**Prep Date:** 10/26/2021

**Exp Date:** 6/30/2023

**Department:** gcmsvoa

**Vendor:** Chem Service

**Lot Number:** 10251200

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,000 ug/mL in 90:10 MeOH:H2O. Catalog # M-TCL-1AN5-5ML.

**Type:** Primary

**Prep By:** Steve Dilts

**Status:** New

**Final Volume:** 5 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires   |
|-----------------------|--------------|-----|-------|-----------|
| TCL Ketone Mix        | <u>14443</u> | 1   | mL    | 6/30/2023 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0434     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF0439

**Standard Name:** 2nd Source Ketones

**Prep Date:** 11/30/2021

**Exp Date:** 11/26/2022

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 221101480

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,000 ug/mL in Methanol. Catalog # CLP-022K-10X.

**Type:** Primary

**Prep By:** Melissa Chavez

**Status:** New

**Final Volume:** 1 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires    |
|-----------------------|--------------|-----|-------|------------|
| TCL Ketones Mixture   | <u>14567</u> | 2   | mL    | 11/26/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0439     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF3473

**Standard Name:** Calibration Surrogates

**Prep Date:** 9/14/2021

**Exp Date:** 3/14/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.2 ug/uL in MeOH

**Type:** Secondary

**Prep By:** Jerran D. Brenden

**Status:** New

**Final Volume:** 5 mL

| Chemical/Solvent Used          | Bottle No    | Amt          | Units | Expires   |
|--------------------------------|--------------|--------------|-------|-----------|
| Methanol, Purge and Trap EA226 | <u>13754</u> | 4.5          | mL    | 3/14/2022 |
| Stock Source                   | Base Units   | Amount Added |       |           |
| VOCF0364                       | ug/mL        | 0.5 mL       |       |           |





# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF3517

**Spike Name:** Internal Standard / Surrogates (INT/SURR)

**Type:** Secondary

**Prep Date:** 11/10/2021

**Prep By:** Alethea M. Shaules

**Exp Date:** 12/31/2022

**Status:** New

**Department:** gcmsvoa

**Vendor:**

**Final Volume:** 100 mL

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.05 ug/uL in MeOH.

| Chemical/Solvent Used               | Bottle No    | Amt  | Units | Expires    |
|-------------------------------------|--------------|------|-------|------------|
| Methanol, Purge and Trap - EB199-US | <u>14334</u> | 95.5 | mL    | 12/31/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0425     | ug/mL      | 2 mL         |
| VOCF0426     | ug/mL      | 2.5 mL       |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF3529B

**Spike Name:** 2nd Source MtBE

**Prep Date:** 11/29/2021

**Exp Date:** 1/29/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.2 ug/uL

**Type:** Secondary

**Prep By:** Alethea M. Shaules

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used               | Bottle No    | Amt | Units | Expires   |
|-------------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap - EB199-US | <u>14334</u> | 9   | mL    | 1/29/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0401     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF3546A

**Standard Name:** Liquids

**Prep Date:** 12/13/2021

**Exp Date:** 1/13/2022

**Department:** GCMSVOA

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL. Corrected comment and analyte list 11/9/2021 sbd

**Type:** Secondary

**Prep By:** Alethea M. Shaules

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used          | Bottle No    | Amt | Units | Expires   |
|--------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap EA899 | <u>13926</u> | 9   | mL    | 1/13/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0313     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF3549

**Spike Name:** 2nd Source Ketones

**Prep Date:** 12/15/2021

**Exp Date:** 1/15/2022

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 221101480

**Balance ID:**

**Comments:** Vial opened for use. 2.0 µg/µL

**Type:** Primary

**Prep By:** Melissa Chavez

**Status:**

**Final Volume:** 1 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires   |
|-----------------------|--------------|-----|-------|-----------|
| TCL Ketones Mixture   | <u>14567</u> | 1   | mL    | 1/15/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0439     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOFC3550

**Standard Name:** Ketones

**Prep Date:** 12/16/2021

**Exp Date:** 1/16/2022

**Department:** gcmsvoa

**Vendor:** Chem Service

**Lot Number:** 10251200

**Balance ID:**

**Comments:** Vial Opened For Use . 2.0 ug/uL in 90:10 MeOH:H2O.

**Type:** Primary

**Prep By:** Melissa Chavez

**Status:**

**Final Volume:** 1 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires   |
|-----------------------|--------------|-----|-------|-----------|
| TCL Ketone Mix        | <u>14443</u> | 1   | mL    | 1/16/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0434     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF3558B

**Spike Name:** 2nd Source Liquids

**Type:** Secondary

**Prep Date:** 12/27/2021

**Prep By:** Steve Dilts

**Exp Date:** 2/27/2022

**Status:** Open

**Department:** gcmsvoa

**Vendor:**

**Final Volume:** 10 mL

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.2ug/uL.

| Chemical/Solvent Used               | Bottle No    | Amt | Units | Expires   |
|-------------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap - EB199-US | <u>14334</u> | 9   | mL    | 2/27/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0352     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF3559A

**Standard Name:** MtBE

**Prep Date:** 12/27/2021

**Exp Date:** 1/27/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.2 ug/uL.

**Type:** Secondary

**Prep By:** Melissa Chavez

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used               | Bottle No    | Amt | Units | Expires   |
|-------------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap - EB199-US | <u>14334</u> | 9   | mL    | 1/27/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0373     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOFC3562A

**Standard Name:** Gases

**Prep Date:** 1/3/2022

**Exp Date:** 1/10/2022

**Department:** GCMSVOA

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL

**Type:** Secondary

**Prep By:** Alethea M. Shaules

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used          | Bottle No    | Amt | Units | Expires   |
|--------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap EB373 | <u>14519</u> | 9   | mL    | 1/10/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0427     | ug/mL      | 1 mL         |





# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Standard ID:** VOCF3563

**Standard Name:** Internals

**Prep Date:** 1/3/2022

**Exp Date:** 7/3/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.05 ug/uL.

**Type:** Secondary

**Prep By:** Alethea M. Shaules

**Status:** New

**Final Volume:** 50 mL

| Chemical/Solvent Used          | Bottle No    | Amt | Units | Expires  |
|--------------------------------|--------------|-----|-------|----------|
| Methanol, Purge and Trap EB373 | <u>14519</u> | 49  | mL    | 7/3/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0425     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220104A Standards Traceability Report

**Spike ID:** VOCF3566A

**Spike Name:** 2nd Source Gases

**Prep Date:** 1/4/2022

**Exp Date:** 1/11/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL. Corrected final volume column to match comments and added final concentrations of analytes. MSC 01/14/2021

**Type:** Secondary

**Prep By:** Melissa Chavez

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used          | Bottle No    | Amt | Units | Expires   |
|--------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap EB373 | <u>14519</u> | 9   | mL    | 1/11/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0417     | ug/mL      | 1 mL         |

# CERTIFICATE OF ANALYSIS

**Catalog No:** M-502A-R-10X  
**Description:** Volatile Organic Compounds - Liquids  
**Lot:** 220041126  
**Solvent:** Methanol  
**Hazards:** Refer to SDS for complete safety information

**Date Certified:** Apr 13, 2020  
**Expiration:** Apr 13, 2023  
**Sample Size:** 1 mL  
**Components:** 54  
**Storage Condition:** Refrig (0-5 °C)



Signal Word: Danger

Certified Reference Material



| Component                    | CAS #      | Purity %<br>(GC/MS) | Prepared Concentration*<br>(µg/mL) | Certified Analyte Concentration*<br>(µg/mL) |
|------------------------------|------------|---------------------|------------------------------------|---|
| Benzene                      | 71-43-2    | 100.0               | 2002                               | 2002  |
| Bromobenzene                 | 108-86-1   | 100.0               | 2003                               | 2003  |
| Bromochloromethane           | 74-97-5    | 99.1                | 2001                               | 1983  |
| Bromodichloromethane         | 75-27-4    | 99.0                | 2002                               | 1982  |
| Bromoform                    | 75-25-2    | 99.2                | 2001                               | 1985  |
| n-Butylbenzene               | 104-51-8   | 100.0               | 2002                               | 2002  |
| sec-Butylbenzene             | 135-98-8   | 100.0               | 2001                               | 2001  |
| tert-Butylbenzene            | 98-06-6    | 99.0                | 2003                               | 1983  |
| Carbon tetrachloride         | 56-23-5    | 100.0               | 2003                               | 2003  |
| Chlorobenzene                | 108-90-7   | 99.6                | 2001                               | 1993  |
| Chloroform                   | 67-66-3    | 99.2                | 2004                               | 1988  |
| 2-Chlorotoluene              | 95-49-8    | 99.0                | 2003                               | 1983  |
| 4-Chlorotoluene              | 106-43-4   | 99.8                | 2002                               | 1998  |
| Dibromochloromethane         | 124-48-1   | 97.8                | 2049*                              | 2004  |
| 1,2-Dibromo-3-chloropropane  | 96-12-8    | 99.2                | 2001                               | 1985  |
| 1,2-Dibromoethane            | 106-93-4   | 100.0               | 2006                               | 2006  |
| Dibromomethane               | 74-95-3    | 99.0                | 2002                               | 1982  |
| 1,2-Dichlorobenzene          | 95-50-1    | 98.2                | 2003                               | 1967  |
| 1,3-Dichlorobenzene          | 541-73-1   | 100.0               | 2000                               | 2000  |
| 1,4-Dichlorobenzene          | 106-46-7   | 100.0               | 2002                               | 2002  |
| 1,1-Dichloroethane           | 75-34-3    | 98.6                | 2001                               | 1973  |
| 1,2-Dichloroethane           | 107-06-2   | 99.8                | 2010                               | 2006  |
| 1,1-Dichloroethene           | 75-35-4    | 99.0                | 2000                               | 1980  |
| cis-1,2-Dichloroethene       | 156-59-2   | 99.0                | 2002                               | 1982  |
| trans-1,2-Dichloroethene     | 156-60-5   | 99.5                | 2001                               | 1991  |
| 1,2-Dichloropropane          | 78-87-5    | 99.5                | 2003                               | 1993  |
| 1,3-Dichloropropane          | 142-28-9   | 96.7                | 2073*                              | 2005  |
| 2,2-Dichloropropane          | 594-20-7   | 99.9                | 2012                               | 2010  |
| 1,1-Dichloropropene          | 563-58-6   | 98.9                | 2001                               | 1979  |
| cis-1,3-Dichloropropene **   | 10061-01-5 | 93.9                | 2041*                              | 1916  |
| trans-1,3-Dichloropropene ** | 10061-02-6 | 93.9                | 1968*                              | 1848  |
| Ethylbenzene                 | 100-41-4   | 99.7                | 2000                               | 1994  |
| Hexachlorobutadiene          | 87-68-3    | 98.0                | 2003                               | 1963  |
| Isopropylbenzene             | 98-82-8    | 100.0               | 2002                               | 2002  |
| p-Isopropyltoluene           | 99-87-6    | 99.4                | 2000                               | 1988  |
| Methylene chloride           | 75-09-2    | 99.9                | 2001                               | 1999  |
| Naphthalene                  | 91-20-3    | 100.0               | 2002                               | 2002  |
| n-Propylbenzene              | 103-65-1   | 100.0               | 2001                               | 2001  |
| Styrene                      | 100-42-5   | 100.0               | 2003                               | 2003  |
| 1,1,1,2-Tetrachloroethane    | 630-20-6   | 98.9                | 2005                               | 1983  |
| 1,1,1,2-Tetrachloroethane    | 79-34-5    | 96.0                | 2087*                              | 2004  |
| Tetrachloroethene            | 127-18-4   | 99.4                | 2017                               | 2005  |
| Toluene                      | 108-88-3   | 100.0               | 2001                               | 2001  |
| 1,2,3-Trichlorobenzene       | 87-61-6    | 100.0               | 2002                               | 2002  |



# CERTIFICATE OF ANALYSIS

**Catalog No:** M-502A-R-10X  
**Description:** Volatile Organic Compounds - Liquids  
**Lot:** 220041126  
**Solvent:** Methanol

**Date Certified:** Apr 13, 2020  
**Expiration:** Apr 13, 2023  
**Sample Size:** 1 mL  
**Components:** 54

| Component - <i>continued</i> | CAS #    | Purity % | Prepared Concentration <sup>2</sup> | Certified Analyte Concentration <sup>1</sup> |
|------------------------------|----------|----------|-------------------------------------|--|
|                              |          | (GC/MS)  | (µg/mL)                             | (µg/mL)                                      |
| 1,2,4-Trichlorobenzene       | 120-82-1 | 99.6     | 2001                                | 1993   |
| 1,1,1-Trichloroethane        | 71-55-6  | 100.0    | 2002                                | 2002   |
| 1,1,2-Trichloroethane        | 79-00-5  | 98.6     | 2000                                | 1972   |
| Trichloroethene              | 79-01-6  | 100.0    | 2003                                | 2003   |
| 1,2,3-Trichloropropane       | 96-18-4  | 97.5     | 2055*                               | 2004   |
| 1,2,4-Trimethylbenzene       | 95-63-6  | 98.2     | 2001                                | 1965   |
| 1,3,5-Trimethylbenzene       | 108-67-8 | 98.8     | 2001                                | 1977   |
| o-Xylene                     | 95-47-6  | 99.0     | 2000                                | 1980   |
| m-Xylene                     | 108-38-3 | 99.2     | 2002                                | 1986   |
| p-Xylene                     | 106-42-3 | 95.4     | 2097*                               | 2001   |

\* Weight compensated to 100% purity.

\*\* 47.8% cis isomer, 46.1% trans isomer

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is  $\pm 2.4\%$ . This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

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Certified By:

Larry Decker, Organic QC Manager

**ID #:** 12797

Opened: \_\_\_\_\_

Volatile Organic Compounds - Liquids

**Expires:** 4/13/2023

Rec'd: 6/23/2020

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

# Certificate of Analysis

**Product Name:** VOC Standard

**Product Number:** DWM-589N-1

**Lot Number:** 0006570990

**Lot Issue Date:** 17-Nov-2020

**Expiration Date:** 31-Dec-2023

**Description:**

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                   | CAS#        | Analyte Lot | Concentration ± Uncertainty |
|---------------------------|-------------|-------------|-----------------------------|
| bromochloromethane        | 000074-97-5 | RM00009     | 2010 ± 10 µg/mL             |
| bromodichloromethane      | 000075-27-4 | RM12585     | 2009 ± 10 µg/mL             |
| bromoform                 | 000075-25-2 | RM13987     | 2010 ± 10 µg/mL             |
| carbon tetrachloride      | 000056-23-5 | RM07576     | 2010 ± 10 µg/mL             |
| chloroform                | 000067-66-3 | RM13988     | 2009 ± 10 µg/mL             |
| dibromochloromethane      | 000124-48-1 | RM14843     | 2009 ± 10 µg/mL             |
| dibromomethane            | 000074-95-3 | RM12878     | 2009 ± 10 µg/mL             |
| methylene chloride        | 000075-09-2 | RM11650     | 2009 ± 10 µg/mL             |
| 1,2-dibromoethane         | 000106-93-4 | RM00018     | 2010 ± 10 µg/mL             |
| 1,1-dichloroethane        | 000075-34-3 | RM16217     | 2006 ± 10 µg/mL             |
| 1,2-dichloroethane        | 000107-06-2 | RM04655     | 2005 ± 10 µg/mL             |
| 1,1-dichloroethene        | 000075-35-4 | RM14486     | 2010 ± 10 µg/mL             |
| cis-1,2-dichloroethene    | 000156-59-2 | RM15008     | 2007 ± 10 µg/mL             |
| trans-1,2-dichloroethene  | 000156-60-5 | RM07565     | 2008 ± 10 µg/mL             |
| 1,1,1,2-tetrachloroethane | 000630-20-6 | RM12632     | 2005 ± 10 µg/mL             |
| 1,1,2,2-tetrachloroethane | 000079-34-5 | RM02540     | 2009 ± 10 µg/mL             |
| tetrachloroethene         | 000127-18-4 | RM06491     | 2008 ± 10 µg/mL             |

# Certificate of Analysis

|                             |             |                    |                 |
|-----------------------------|-------------|--------------------|-----------------|
| <b>Product Number:</b>      | DWM-589N-1  | <b>Lot Number:</b> | 0006570990      |
| 1,1,1-trichloroethane       | 000071-55-6 | RM16539            | 2004 ± 10 µg/mL |
| 1,1,2-trichloroethane       | 000079-00-5 | RM01175            | 2009 ± 10 µg/mL |
| trichloroethene             | 000079-01-6 | RM14232            | 2009 ± 10 µg/mL |
| 1,2-dibromo-3-chloropropane | 000096-12-8 | RM13666            | 2009 ± 10 µg/mL |
| 1,2-dichloropropane         | 000078-87-5 | RM12821            | 2008 ± 10 µg/mL |
| 1,3-dichloropropane         | 000142-28-9 | RM02080            | 2008 ± 10 µg/mL |
| 2,2-dichloropropane         | 000594-20-7 | RM12927            | 2005 ± 10 µg/mL |
| 1,1-dichloropropene         | 000563-58-6 | RM16190            | 2010 ± 10 µg/mL |
| cis-1,3-dichloropropene     | 010061-01-5 | RM12891            | 2007 ± 10 µg/mL |
| trans-1,3-dichloropropene   | 010061-02-6 | RM12254            | 2006 ± 10 µg/mL |
| hexachlorobutadiene         | 000087-68-3 | RM09157            | 2005 ± 10 µg/mL |
| 1,2,3-trichloropropane      | 000096-18-4 | RM13082            | 2004 ± 10 µg/mL |
| benzene                     | 000071-43-2 | RM12931            | 2009 ± 10 µg/mL |
| n-butylbenzene              | 000104-51-8 | RM03651            | 2008 ± 10 µg/mL |
| sec-butylbenzene            | 000135-98-8 | RM10905            | 2005 ± 10 µg/mL |
| tert-butylbenzene           | 000098-06-6 | RM14040            | 2007 ± 10 µg/mL |
| ethylbenzene                | 000100-41-4 | RM12195            | 2006 ± 10 µg/mL |
| isopropylbenzene            | 000098-82-8 | RM00835            | 2009 ± 10 µg/mL |
| 4-isopropyltoluene          | 000099-87-6 | RM09747            | 2009 ± 10 µg/mL |
| naphthalene                 | 000091-20-3 | NT00970            | 2006 ± 10 µg/mL |
| n-propylbenzene             | 000103-65-1 | RM12785            | 2010 ± 10 µg/mL |
| styrene                     | 000100-42-5 | RM13393            | 2010 ± 10 µg/mL |



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 2 of 4

[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



# Certificate of Analysis

**Product Number:** DWM-589N-1

**Lot Number:** 0006570990

|                        |             |         |                 |
|------------------------|-------------|---------|-----------------|
| toluene                | 000108-88-3 | RM06650 | 2008 ± 10 µg/mL |
| 1,2,4-trimethylbenzene | 000095-63-6 | RM06731 | 2002 ± 10 µg/mL |
| 1,3,5-trimethylbenzene | 000108-67-8 | RM12905 | 2009 ± 10 µg/mL |
| o-xylene               | 000095-47-6 | RM15639 | 2005 ± 10 µg/mL |
| m-xylene               | 000108-38-3 | RM15919 | 2006 ± 10 µg/mL |
| p-xylene               | 000106-42-3 | RM02647 | 2009 ± 10 µg/mL |
| bromobenzene           | 000108-86-1 | RM10227 | 2008 ± 10 µg/mL |
| chlorobenzene          | 000108-90-7 | RM01874 | 2008 ± 10 µg/mL |
| 2-chlorotoluene        | 000095-49-8 | RM13774 | 2007 ± 10 µg/mL |
| 4-chlorotoluene        | 000106-43-4 | RM11750 | 2009 ± 10 µg/mL |
| 1,2-dichlorobenzene    | 000095-50-1 | RM13636 | 2005 ± 10 µg/mL |
| 1,3-dichlorobenzene    | 000541-73-1 | NT00356 | 2009 ± 10 µg/mL |
| 1,4-dichlorobenzene    | 000106-46-7 | RM12826 | 2009 ± 10 µg/mL |
| 1,2,3-trichlorobenzene | 000087-61-6 | RM10193 | 2007 ± 10 µg/mL |
| 1,2,4-trichlorobenzene | 000120-82-1 | RM09454 | 2009 ± 10 µg/mL |

**Matrix:** methanol (methyl alcohol)

**Storage Conditions:** Store Frozen (-25° to -10°C).

**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 3 of 4

[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937

# Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

## Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

## Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

## Hazards:

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this RM.

## Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

## Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:



Monica Bourgeois  
QMS Representative



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



*Jewar*

# CERTIFICATE OF ANALYSIS

**Catalog No:** M-8260A-B-SS-10X  
**Description:** Surrogate Standard Mix  
**Lot:** 219041458

**Solvent:** Methanol  
**Hazards:** Refer to SDS for complete safety information

**Date Certified:** Apr 18, 2019  
**Expiration:** Apr 18, 2029  
**Sample Size:** 1 mL  
**Components:** 4  
**Storage Condition:** Ambient (>5 °C)



Signal Word: Danger

Certified Reference Material



| Component             | CAS #      | Purity %<br>(GC/MS) | Prepared<br>Concentration <sup>2</sup><br>(µg/mL) | Certified Analyte<br>Concentration <sup>1</sup><br>(µg/mL) |
|-----------------------|------------|---------------------|---|--|
| p-Bromofluorobenzene  | 460-00-4   | 99.9                | 2004  | 2002   |
| Dibromofluoromethane  | 1868-53-7  | 99.8                | 2005  | 2001   |
| 1,2-Dichloroethane-d4 | 17060-07-0 | 100.0               | 2001  | 2001   |
| Toluene-d8            | 2037-26-5  | 100.0               | 2000  | 2000   |

**ID #: 13385**  
Opened: \_\_\_\_\_  
Surrogate Standard Mix  
**Expires: 4/18/2029**  
Rec'd: 1/4/2021  
Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.  
<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17


<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information  
Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By:   
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

# Certificate of Analysis

**Product Name:** Methyl tert-Butyl Ether Standard**Product Number:** STS-440-1**Lot Number:** 0006555762**Lot Issue Date:** 19-Aug-2020**Expiration Date:** 31-Aug-2022**Description:**

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

**Analyte****CAS#****Analyte Lot****Concentration ± Uncertainty**

tert-butylmethyl ether

001634-04-4

RM06568

2006 ± 10 µg/mL

**Matrix:** methanol (methyl alcohol)**Storage Conditions:** Store Frozen (-25° to -10°C).**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Intended Use:**

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Hazards:**

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this RM.

**Expiration of Certification:**

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois

QMS Representative

ISO 17034 Cert  
No. AR-1936RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality  
Management System. Cert # 56 100 18560026

Page: 1 of 1

[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1ISO 17025 Cert  
No. AT-1937

# CERTIFICATE OF ANALYSIS

**Catalog No:** S-078-10X  
**Description:** MtBE  
**Lot:** 220051182  
**Solvent:** Methanol  
**Hazards:** Refer to SDS for complete safety information

**Date Certified:** May 18, 2020  
**Expiration:** May 18, 2030  
**Sample Size:** 1 mL  
**Components:** 1  
**Storage Condition:** Ambient (>5 °C)



Signal Word: **Danger**

## Certified Reference Material



| Component | CAS #     | Purity %<br>(GC/MS) | Prepared<br>Concentration <sup>2</sup><br>(µg/mL) | Certified Analyte<br>Concentration <sup>1</sup><br>(µg/mL) |
|-----------|-----------|---------------------|---|--|
| MtBE      | 1634-04-4 | 100.0               | 2002  | 2002   |

**ID #:** 13920

Opened: \_\_\_\_\_

MTBE

**Expires:** 5/18/2030

Rec'd: 6/7/2021

Eneray Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is  $\pm 2.4\%$ . This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

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Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: \_\_\_\_\_

Larry Decker, Organic QC Manager

## CERTIFICATE OF ANALYSIS

### Volatile Organics High Concentration Mixture #6

CONCENTRATION 2000ug/ml in Methanol  
CATALOG NUMBER M-VOHC6M5-1ML  
LOT NUMBER 11882100  
DATE CERTIFIED 05/25/21  
EXPIRATION DATE 02/28/22  
STORAGE Store at room temperature (20 - 25 °C).  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.  
ISO 17034:2016 CERTIFIED [ ]

ID #: 14142

Opened:

Volatile Organics High Concentration Mixture

Expires: 2/28/2022

Rec'd: 8/3/2021

Energx Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

| ID      | Analyte                 | CAS     | Weight Analyte (mg) | Lot      | Purity | Certified Concentration (ug/mL) |
|---------|-------------------------|---------|---------------------|----------|--------|---------------------------------|
| N-11446 | Chloroethane            | 75-00-3 | 96.300              | 00001728 | 100.0  | 2006.3                          |
| N-11665 | Dichlorodifluoromethane | 75-71-8 | 96.610              | 00001729 | 100.0  | 2012.7                          |
| N-12417 | Methyl bromide          | 74-83-9 | 96.910              | 00024694 | 100.0  | 2019.0                          |
| N-12421 | Methyl chloride         | 74-87-3 | 96.150              | 00001731 | 100.0  | 2003.1                          |
| N-13655 | Trichlorofluoromethane  | 75-69-4 | 96.300              | 00027239 | 99.4   | 1994.2                          |
| N-13748 | Vinyl chloride          | 75-01-4 | 96.150              | 00019298 | 100.0  | 2003.1                          |

#### Analytical Test

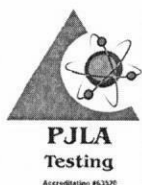
#### Value

CONCENTRATION (GC/MSD)

VERIFIED

COA Form  
Revision 3 (3/2015)

Print Date: 07/28/21



# CHEM SERVICE INC

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## Instructions for Use:

Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.

Minimum Sample Size- 0.2 uL for Direct Injection.

Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

*Mary Beth O'Donnell*

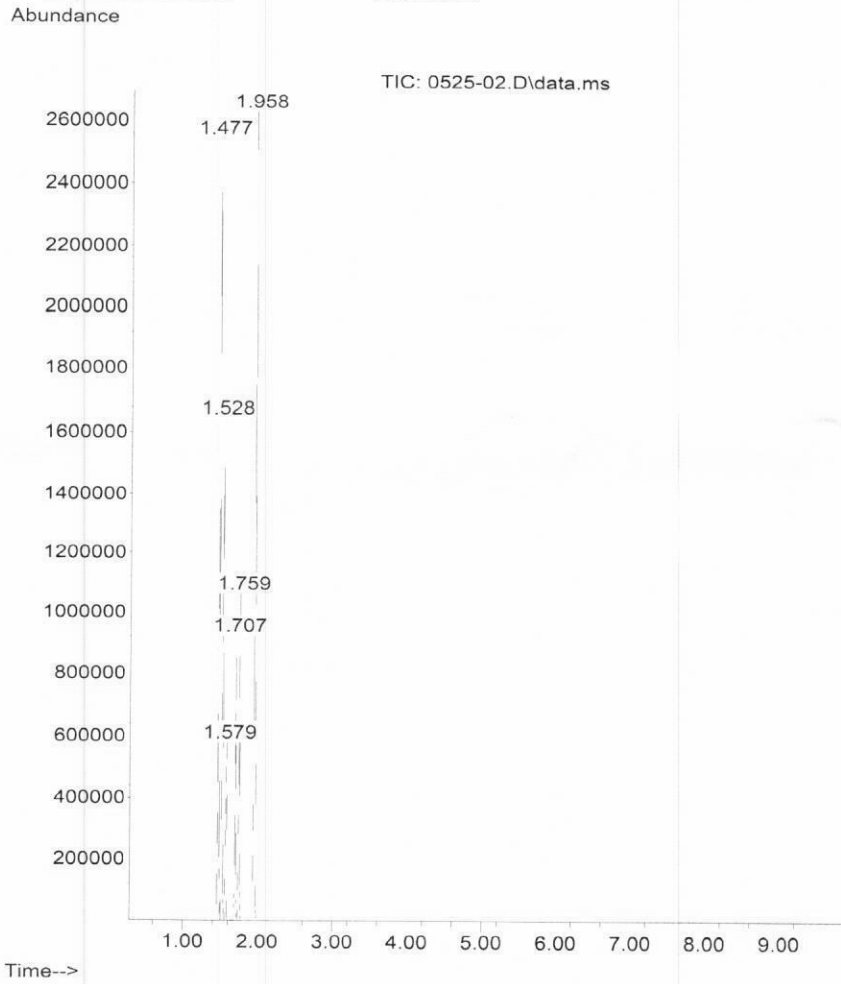
Mary Beth O'Donnell  
CSM/TC



## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: M-VOHC6M5-1ML  
Description: Volatile Organics High Concentration Mixture #6  
Lot Number: 11882100  
Expiration Date: 02/28/22





# Certificate of Analysis

ID #: 14251

Opened: \_\_\_\_\_

Internal Standard

Expires: 12/31/2022

Rec'd: 9/8/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

**Product Name:** Internal Standard

**Product Number:** STM-520-1

**Lot Issue Date:** 05-Jan-2021

**Lot Number:** 0006582580

**Expiration Date:** 31-Dec-2022

**Description:**

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                | CAS#        | Analyte Lot | Concentration ± Uncertainty |
|------------------------|-------------|-------------|-----------------------------|
| chlorobenzene-d5       | 003114-55-4 | RM12274     | 2501 ± 13 µg/mL             |
| 1,4-dichlorobenzene-d4 | 003855-82-1 | RM12517     | 2501 ± 13 µg/mL             |
| fluorobenzene          | 000462-06-6 | RM13378     | 2512 ± 13 µg/mL             |

**Matrix:** methanol (methyl alcohol)

**Storage Conditions:** Store Frozen (-25° to -10°C).

**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z540.3, ISO 9001, ISO 17025 and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Intended Use:**

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Hazards:**

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this RM.



ISO 17034  
REFERENCE MATERIAL  
PRODUCER  
ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 1 of 2

[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



# Certificate of Analysis

**Product Number:** STM-520-1

**Lot Number:** 0006582580

**Expiration of Certification:**

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois  
QMS Representative



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 2 of 2

[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



# CERTIFICATE OF ANALYSIS

**Catalog No:** M-8260A-B-SS-10X  
**Description:** Surrogate Standard Mix  
**Lot:** 219041458

**Solvent:** Methanol

**Hazards:** Refer to SDS for complete safety information

**Date Certified:** Apr 18, 2019

**Expiration:** Apr 18, 2029

**Sample Size:** 1 mL

**Components:** 4

**Storage Condition:** Ambient (>5 °C)



Signal Word: Danger

## Certified Reference Material



| Component             | CAS #      | Purity % | Prepared                              | Certified Analyte                     |
|-----------------------|------------|----------|---------------------------------------|---------------------------------------|
|                       |            | (GC/MS)  | Concentration <sup>2</sup><br>(µg/mL) | Concentration <sup>1</sup><br>(µg/mL) |
| p-Bromofluorobenzene  | 460-00-4   | 99.9     | 2004                                  | 2002                                  |
| Dibromofluoromethane  | 1868-53-7  | 99.8     | 2005                                  | 2001                                  |
| 1,2-Dichloroethane-d4 | 17060-07-0 | 100.0    | 2001                                  | 2001                                  |
| Toluene-d8            | 2037-26-5  | 100.0    | 2000                                  | 2000                                  |

ID #: 14269

Opened: \_\_\_\_\_

Surrogate Standard Mix

**Expires: 4/18/2029**

Rec'd: 9/14/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is  $\pm 2.4\%$ . This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

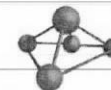
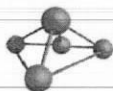
The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: \_\_\_\_\_

Larry Decker, Organic QC Manager



**CERTIFIED WEIGHT REPORT**

**Part Number:** 30058  
**Lot Number:** 080321  
**Description:** EPA Method 502/524 - Volatile Gases Mix #1

**Expiration Date:** 080324

**Recommended Storage:** Freezer (0 °C)

**Nominal Concentration (µg/mL):** 2000

**NIST Test ID#:** 6UTB

**Solvent:** Methanol  
**Lot#:** EA783-US

Weight(s) shown below were combined and diluted to (mL):  
500.0 0.058 Balance Uncertainty  
0.058 Flask Uncertainty

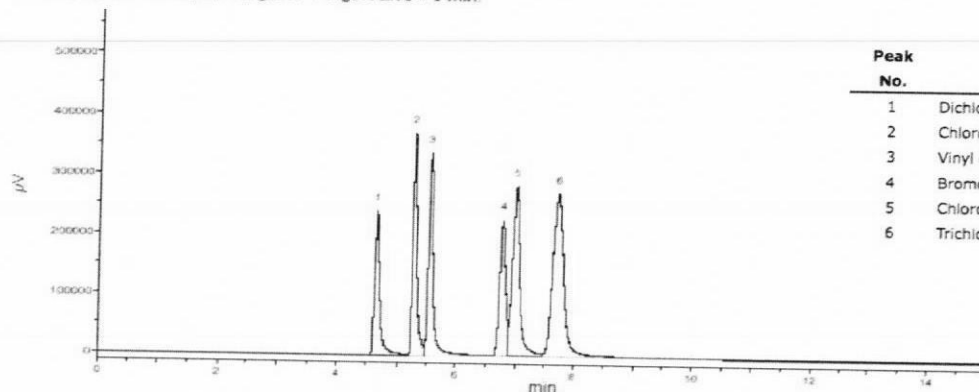
|                |                 |        |
|----------------|-----------------|--------|
|                |                 | 080321 |
| Formulated By: | Mario Luis      | DATE   |
|                |                 | 080321 |
| Reviewed By:   | Pedro L. Rentas | DATE   |

| Compound                   | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity (%) | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |                           |                   |
|----------------------------|-----|------------|----------------------|------------|------------------------|-------------------|-------------------|--------------------|------------------------------------|--|---------------------------|-------------------|
|                            |     |            |                      |            |                        |                   |                   |                    |                                    | CAS#   | OSHA PEL (TWA)            | LD50              |
| 1. Bromomethane            | 50  | 01611JX    | 2000                 | 99.5       | 0.2                    | 1.00508           | 1.0098            | 2009.4             | 8.1                                | 74-83-9  | 5 ppm (20mg/m3/8H) (skin) | ori-rat 214mg/kg  |
| 2. Chloroethane            | 72  | 062617     | 2000                 | 99         | 0.2                    | 1.01016           | 1.0146            | 2008.8             | 8.1                                | 75-00-3  | 1000 ppm (2600mg/m3/8H)   | N/A               |
| 3. Chloromethane           | 79  | 06908MS    | 2000                 | 99.5       | 0.2                    | 1.00508           | 1.0154            | 2020.5             | 8.1                                | 74-87-3  | 100 ppm                   | ori-rat 1800mg/kg |
| 4. Dichlorodifluoromethane | 134 | 92-0487    | 2000                 | 99         | 0.2                    | 1.01016           | 1.0224            | 2024.2             | 8.2                                | 75-71-8  | 1000 ppm (4950mg/m3/8H)   | N/A               |
| 5. Trichlorofluoromethane  | 294 | 01823MW    | 2000                 | 99         | 0.2                    | 1.01016           | 1.0110            | 2001.7             | 8.1                                | 75-69-4  | 1000 ppm (5600mg/m3/8H)   | ipr-mus 1743mg/kg |
| 6. Vinyl chloride          | 305 | 04854EA    | 2000                 | 99.5       | 0.2                    | 1.00508           | 1.0071            | 2004.0             | 8.1                                | 75-01-4  | N/A                       | N/A               |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**

GC15-M9 Analysis by Melissa Stonier  
Column ID SPB-Vocool 105 meter X 0.53mm X 3.0µm film thickness  
Flow rates: Total flow=150mL/min., Helium (carrier)=10mL/min., Helium(make-up)=40mL/min., Hydrogen(make-up)=100mL/min.  
Oven Profile: Temp. 1=35°C (Time 1=9 min.), Temp 2=200°C (Time 2=1 min.), Rate = 33°C/min., Total run time=15 min. Injector temp.=200°C, FID Temp.=200°C.  
ELCD Signal = Edaq Channel 1 PID Signal = Edaq Channel 2  
Standard injection = 0.5µL, Range=3 Purge Valve = 0 min.



| Peak No. | Analyte                 | ELCD RT (min.) |
|----------|-------------------------|----------------|
| 1        | Dichlorodifluoromethane | 4.67           |
| 2        | Chloromethane           | 5.28           |
| 3        | Vinyl chloride          | 5.56           |
| 4        | Bromomethane            | 6.75           |
| 5        | Chloroethane            | 6.99           |
| 6        | Trichlorofluoromethane  | 7.72           |

**ID #: 14285**

Opened: \_\_\_\_\_

EPA Method 502-524 - Volatile Gases Mix #1

**Expires: 8/3/2024**

Rec'd: 9/17/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

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ID #: 14443

Opened: \_\_\_\_\_

TCL Ketone Mix

Expires: 6/30/2023

Rec'd: 10/26/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

## CERTIFICATE OF ANALYSIS

### TCL Ketones Mixture

CONCENTRATION 2000ug/ml in Methanol:Water (90:10)  
CATALOG NUMBER M-TCL1AN5-1ML  
LOT NUMBER 10251200  
DATE CERTIFIED 06/16/20  
EXPIRATION DATE 06/30/23  
STORAGE Freezer storage (-20 - -25 °C)  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.  
ISO 17034:2016 CERTIFIED [ ]

| ID      | Analyte              | CAS      | Weight Analyte (mg) | Lot      | Purity | Certified Concentration (ug/mL) |
|---------|----------------------|----------|---------------------|----------|--------|---------------------------------|
| N-11014 | Acetone              | 67-64-1  | 203.300             | 00026182 | 98.7   | 2006.6                          |
| N-10297 | 2-Butanone           | 78-93-3  | 202.800             | 00027454 | 99.5   | 2017.9                          |
| N-10369 | 2-Hexanone           | 591-78-6 | 202.600             | 00025720 | 99.5   | 2015.9                          |
| N-10844 | 4-Methyl-2-pentanone | 108-10-1 | 204.700             | 6403300  | 99.5   | 2036.8                          |

| Analytical Test        | Value    |
|------------------------|----------|
| CONCENTRATION (GC/FID) | VERIFIED |

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



COA Form  
Revision 3 (3/2015)

Print Date: 10/22/21

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[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

#### Instructions for Use:

Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.

Minimum Sample Size- 0.2 uL for Direct Injection.

Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor  $k$  ( $k=2$ ) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

#### Certified By:

*Mary Beth O'Donnell*

Mary Beth O'Donnell  
CSM/TC

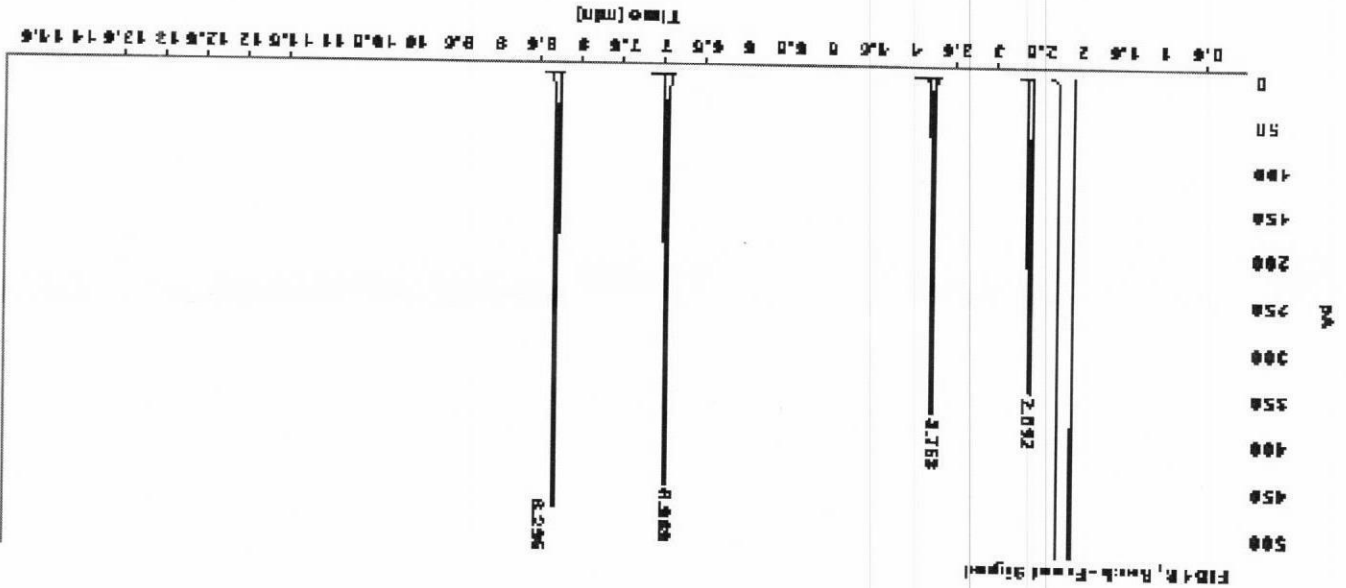
Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



## CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

**Data file:** C:\CHEM321\DATA\2020 DATA\0620M-TCL1AN5.D  
**Sample name:** M-TCL1AN5  
**Acq. method:** N-14278.M  
**Instrument:** GC3  
**Injection date:** 6/16/2020 2:52:35 PM  
**Column name:** RTX-5MS (30m x 0.25mm x 0.5µm)  
**Location:** 202  
**Injection Vol:** 1.000  
**# Of Injections:** 1



Signal: FID1 B, Back - Front Signal

| RT [min]  | Type | Width [min] | Area     | Height   | Area%   |
|-----------|------|-------------|----------|----------|---------|
| 2.592     | BB   | 0.0277      | 580.2505 | 343.4986 | 18.4655 |
| 3.763     | BB   | 0.0323      | 735.4804 | 387.8491 | 23.4054 |
| 6.969     | BB   | 0.0326      | 904.3389 | 447.8770 | 28.7791 |
| 8.295     | BB   | 0.0307      | 822.2798 | 474.3798 | 29.3500 |
| Sum       |      |             |          |          |         |
| 3142.3497 |      |             |          |          |         |

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



# CERTIFICATE OF ANALYSIS

**Catalog No:** CLP-022K-10X  
**Description:** TCL Ketone Mix  
**Lot:** 221101480  
**Solvent:** Methanol  
**Hazards:** Refer to SDS for complete safety information

**Date Certified:** Oct 26, 2021  
**Expiration:** Nov 26, 2022  
**Sample Size:** 1 mL  
**Components:** 4  
**Storage Condition:** Freeze (<-10 °C)



**Certified Reference Material**



| Component            | CAS #    | Purity % | Prepared Concentration <sup>2</sup> | Certified Analyte Concentration <sup>1</sup> |
|----------------------|----------|----------|-------------------------------------|--|
|                      |          | (GC/MS)  | (µg/mL)                             | (µg/mL)                                      |
| Acetone              | 67-64-1  | 100.0    | 2004                                | 2004   |
| 2-Butanone           | 78-93-3  | 100.0    | 2004                                | 2004   |
| 2-Hexanone           | 591-78-6 | 98.7     | 2004                                | 1978   |
| 4-Methyl-2-pentanone | 108-10-1 | 100.0    | 2004                                | 2004   |

**ID #: 14567**

Opened: \_\_\_\_\_  
TCL Ketones Mixture  
**Expires: 11/26/2022**  
Rec'd: 11/30/2021  
Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is  $\pm 2.4\%$ . This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: \_\_\_\_\_

Larry Decker, Organic QC Manager



# CERTIFICATE OF ANALYSIS

**Catalog No:** CLP-022K-10X  
**Description:** TCL Ketone Mix  
**Lot:** 221101480  
**Solvent:** Methanol

**Date Certified:** Oct 26, 2021  
**Expiration:** Nov 26, 2022  
**Sample Size:** 1 mL  
**Components:** 4

## T-Test

AccuStandard, Inc.  
Statistical Report for CLP (SOW 1391)  
26-Oct-2021

QR-QC-003 rev. 1/16

| RT Component                         | CLP-022K-10X<br>221101480 |        |        |        |      |         |       | CLP-022K-10X<br>221041075 |        |        |        |      |         |       | NOTES:     |       |                                 |      |           |                                 |     |
|--------------------------------------|---------------------------|--------|--------|--------|------|---------|-------|---------------------------|--------|--------|--------|------|---------|-------|------------|-------|---------------------------------|------|-----------|---------------------------------|-----|
|                                      | Run #1                    | Run #2 | Run #3 | Run #4 | Mean | Std Dev | % RSD | Run #1                    | Run #2 | Run #3 | Run #4 | Mean | Std Dev | % RSD | t.025 test | CI    | Component                       | CI   | # of Runs | 10 % error check of Conc. means |     |
| 3.74 Acetone (67-64-1)               | 1925                      | 1881   | 1854   | 1803   | 1866 | 51.05   | 2.74% | 1751                      | 1712   | 1730   | 1764   | 1764 | 22.43   | 1.29% | 4.36       | 119.2 | Acetone (67-64-1)               | 56   | 4         | 2000                            | 7 % |
| 5.77 2-Butanone (78-93-3)            | 2275                      | 2223   | 2237   | 2149   | 2221 | 52.79   | 2.38% | 2157                      | 2103   | 2145   | 2177   | 2146 | 31.26   | 1.45% | 2.46       | 58.5  | 2-Butanone (78-93-3)            | 35.9 | 4         | 2000                            | 9 % |
| 8.34 4-Methyl-2-pentanone (108-10-1) | 3373                      | 3302   | 3408   | 3225   | 3327 | 81.05   | 2.44% | 3349                      | 3240   | 3296   | 3415   | 3325 | 74.70   | 2.25% | 0.04       | 0.9   | 4-Methyl-2-pentanone (108-10-1) | 0.8  | 4         | 2000                            | 0 % |
| 9.13 2-Hexanone (99-178-6)           | 3260                      | 3199   | 3332   | 3118   | 3227 | 90.88   | 2.62% | 3186                      | 3072   | 3120   | 3239   | 3154 | 73.32   | 2.32% | 1.25       | 35.2  | 2-Hexanone (99-178-6)           | 29.1 | 4         | 2000                            | 2 % |

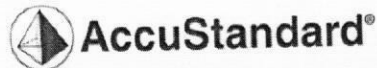
# CERTIFICATE OF ANALYSIS

**Catalog No:** CLP-022K-10X  
**Description:** TCL Ketone Mix  
**Lot:** 221101480  
**Solvent:** Methanol

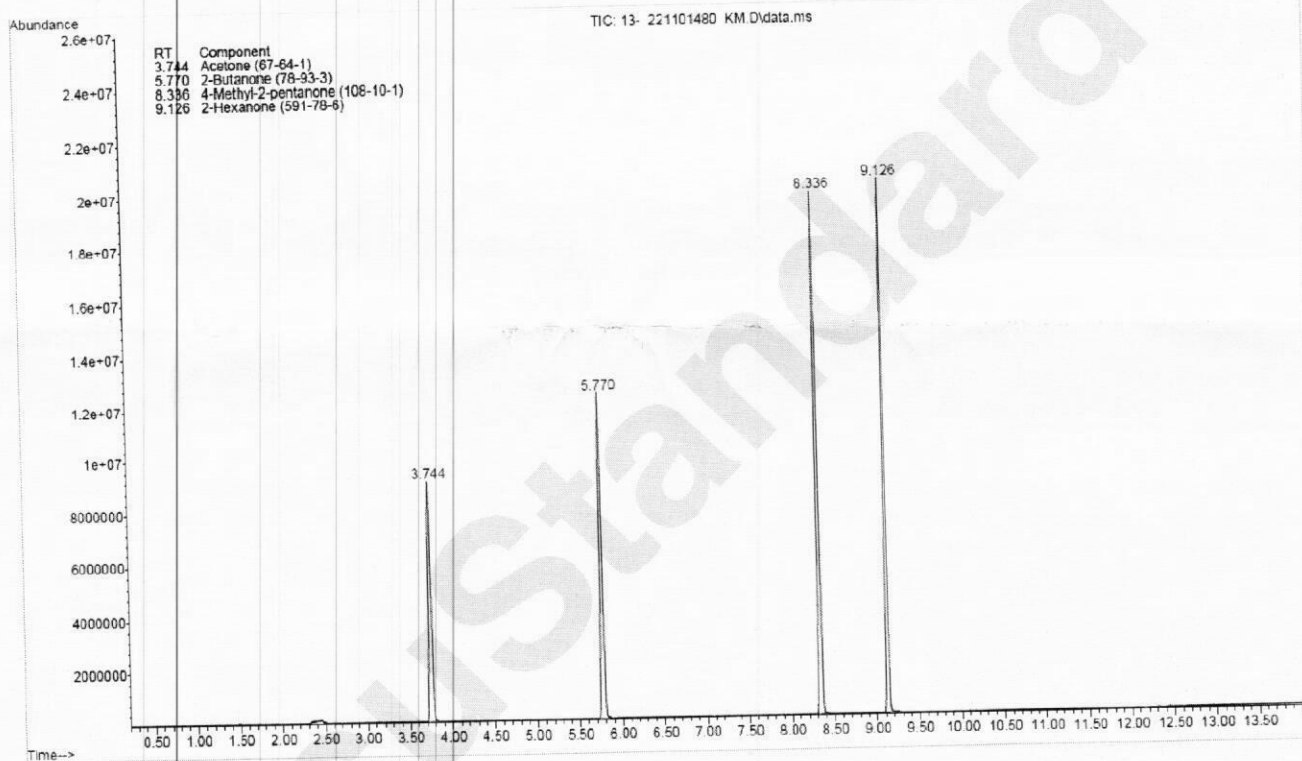
**Date Certified:** Oct 26, 2021  
**Expiration:** Nov 26, 2022  
**Sample Size:** 1 mL  
**Components:** 4

## Chromatogram

File : Q:\GCMS-06 Minimal\DATA\102521\13- 221101480 KM.D  
Operator : Organic QC Lab  
Acquired : 25 Oct 2021 21:00 using AcqMethod VOC-Split100.M  
Instrument : GCMS 6  
Sample Name : CLP-022K-10X (221101480)  
Misc Info : TCL Ketone Mix @ 2000 ug/mL in MeOH  
Vial Number : 34



Column: DB-624 UI, 30m x 0.25mm ID x 1.4µm  
Oven Program: 35°C (hold 5min), 11°C/min to 60°C, 22°C/min to 230°C (hold 4min)  
GC Parameters: Split 100:1, 1µl inj.; GC/MS; injector temp 240°C







# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF0313

**Standard Name:** Liquids

**Prep Date:** 6/23/2020

**Exp Date:** 4/13/2023

**Department:** gcmsvoa

**Vendor:** AccuStd

**Lot Number:** 220041126

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,000 ug/mL. Catalog # M502A-R-10X. Corrected lot number to match Cl. MSC 01/14/2022

**Type:** Primary

**Prep By:** Alethea M. Shaules

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used                | Bottle No    | Amt | Units | Expires   |
|--------------------------------------|--------------|-----|-------|-----------|
| Volatile Organic Compounds - Liquids | <u>12797</u> | 1   | mL    | 4/13/2023 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0313     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF0352

**Spike Name:** 2nd Source Liquids

**Prep Date:** 11/23/2020

**Exp Date:** 12/31/2023

**Department:** gcmsvoa

**Vendor:** Agilent

**Lot Number:** 0006570990

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # DWM-589N-1.

**Type:** Primary

**Prep By:** Steve Dilts

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires    |
|-----------------------|--------------|-----|-------|------------|
| VOC Standard          | <u>13292</u> | 1   | mL    | 12/31/2023 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0352     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF0373

**Standard Name:** MtBE (Methy tert-Butyl Ether)

**Prep Date:** 2/26/2021

**Exp Date:** 8/31/2022

**Department:** gcmsvoa

**Vendor:** Agilent

**Lot Number:** 0006555762

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # STS-440

**Type:** Primary

**Prep By:** Steve Dilts

**Status:** New

**Final Volume:** 5 mL

| Chemical/Solvent Used            | Bottle No | Amt | Units | Expires   |
|----------------------------------|-----------|-----|-------|-----------|
| Methyl tert-Butyl Ether Standard | 13578     | 1   | mL    | 8/31/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0373     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF0401

**Spike Name:** 2nd Source MtBE

**Prep Date:** 6/7/2021

**Exp Date:** 12/11/2029

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 220051182

**Balance ID:**

**Comments:** Date Prepared is same as Date Receive. 2,000 ug/mL in MeOH. Catalog # S-078-10X.

**Type:** Primary

**Prep By:** Alethea M. Shaules

**Status:** New

**Final Volume:** 5 mL

| Chemical/Solvent Used | Bottle No | Amt | Units | Expires    |
|-----------------------|-----------|-----|-------|------------|
| MTBE                  | 13920     | 1   | mL    | 12/11/2029 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0401     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF0417

**Spike Name:** Chem Service Gases

**Type:** Primary

**Prep Date:** 8/3/2021

**Prep By:** Steve Dilts

**Exp Date:** 2/28/2022

**Status:** New

**Department:** gcmsvoa

**Vendor:** Chemservice

**Final Volume:** 5 mL

**Lot Number:** 11882100

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # M-VOHC6M5-1ML

| Chemical/Solvent Used                           | Bottle No    | Amt | Units | Expires   |
|---|--------------|-----|-------|-----------|
| Volatile Organics High Concentration Mixture #6 | <u>14142</u> | 5   | mL    | 2/28/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0417     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF0425

**Standard Name:** Internals

**Prep Date:** 9/8/2021

**Exp Date:** 12/31/2022

**Department:** gcmsvoa

**Vendor:** Agilent

**Lot Number:** 0006582580

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,500 ug/mL in MeOH. Catalog # STM-520-1.

**Type:** Primary

**Prep By:** Jerran D. Brenden

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used | Bottle No    | Amt          | Units | Expires    |
|-----------------------|--------------|--------------|-------|------------|
| Internal Standard     | <u>14251</u> | 1            | mL    | 12/31/2022 |
| Stock Source          | Base Units   | Amount Added |       |            |
| VOCF0425              | ug/mL        |              |       |            |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF0426

**Spike Name:** Surrogates 2.0 mg/mL

**Prep Date:** 9/14/2021

**Exp Date:** 4/18/2029

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 219041458

**Balance ID:**

**Comments:** Date Received 01/04/2021. 2.0 mg/mL. Catalog # M-8260A-B-SS-10X

**Type:** Primary

**Prep By:** Jerran D. Brenden

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used  | Bottle No    | Amt | Units | Expires   |
|------------------------|--------------|-----|-------|-----------|
| Surrogate Standard Mix | <u>14269</u> | 1   | mL    | 4/18/2029 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0426     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF0427

**Standard Name:** Gases

**Prep Date:** 9/17/2021

**Exp Date:** 8/3/2024

**Department:** gcmsvoa

**Vendor:** Absolute

**Lot Number:** 080321

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,000 ug/mL in MeOH. Catalog # 30058.

**Type:** Primary

**Prep By:** Alethea M. Shaules

**Status:** New

**Final Volume:** 10 mL

| Chemical/Solvent Used                      | Bottle No    | Amt | Units | Expires  |
|--|--------------|-----|-------|----------|
| EPA Method 502-524 - Volatile Gases Mix #1 | <u>14285</u> | 1   | mL    | 8/3/2024 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0427     | ug/mL      |              |





# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF0434

**Standard Name:** Ketones

**Prep Date:** 10/26/2021

**Exp Date:** 6/30/2023

**Department:** gcmsvoa

**Vendor:** Chem Service

**Lot Number:** 10251200

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,000 ug/mL in 90:10 MeOH:H2O. Catalog # M-TCL-1AN5-5ML.

**Type:** Primary

**Prep By:** Steve Dilts

**Status:** New

**Final Volume:** 5 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires   |
|-----------------------|--------------|-----|-------|-----------|
| TCL Ketone Mix        | <u>14443</u> | 1   | mL    | 6/30/2023 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0434     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF0439

**Standard Name:** 2nd Source Ketones

**Prep Date:** 11/30/2021

**Exp Date:** 11/26/2022

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 221101480

**Balance ID:**

**Comments:** Date Prepared is same as Date Received. 2,000 ug/mL in Methanol. Catalog # CLP-022K-10X.

**Type:** Primary

**Prep By:** Melissa Chavez

**Status:** New

**Final Volume:** 1 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires    |
|-----------------------|--------------|-----|-------|------------|
| TCL Ketones Mixture   | <u>14567</u> | 2   | mL    | 11/26/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0439     | ug/mL      |              |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF3517

**Spike Name:** Internal Standard / Surrogates (INT/SURR)

**Type:** Secondary

**Prep Date:** 11/10/2021

**Prep By:** Alethea M. Shaules

**Exp Date:** 12/31/2022

**Status:** New

**Department:** gcmsvoa

**Vendor:**

**Final Volume:** 100 mL

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.05 ug/uL in MeOH.

| Chemical/Solvent Used               | Bottle No    | Amt  | Units | Expires    |
|-------------------------------------|--------------|------|-------|------------|
| Methanol, Purge and Trap - EB199-US | <u>14334</u> | 95.5 | mL    | 12/31/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0425     | ug/mL      | 2 mL         |
| VOCF0426     | ug/mL      | 2.5 mL       |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF3529B

**Spike Name:** 2nd Source MtBE

**Prep Date:** 11/29/2021

**Exp Date:** 1/29/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.2 ug/uL

**Type:** Secondary

**Prep By:** Alethea M. Shaules

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used               | Bottle No    | Amt | Units | Expires   |
|-------------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap - EB199-US | <u>14334</u> | 9   | mL    | 1/29/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0401     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF3546A

**Standard Name:** Liquids

**Prep Date:** 12/13/2021

**Exp Date:** 1/13/2022

**Department:** GCMSVOA

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL. Corrected comment and analyte list 11/9/2021 sbd

**Type:** Secondary

**Prep By:** Alethea M. Shaules

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used          | Bottle No    | Amt | Units | Expires   |
|--------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap EA899 | <u>13926</u> | 9   | mL    | 1/13/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0313     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF3549

**Spike Name:** 2nd Source Ketones

**Prep Date:** 12/15/2021

**Exp Date:** 1/15/2022

**Department:** gcmsvoa

**Vendor:** AccuStandard

**Lot Number:** 221101480

**Balance ID:**

**Comments:** Vial opened for use. 2.0 µg/µL

**Type:** Primary

**Prep By:** Melissa Chavez

**Status:**

**Final Volume:** 1 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires   |
|-----------------------|--------------|-----|-------|-----------|
| TCL Ketones Mixture   | <u>14567</u> | 1   | mL    | 1/15/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0439     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOFC3550

**Standard Name:** Ketones

**Prep Date:** 12/16/2021

**Exp Date:** 1/16/2022

**Department:** gcmsvoa

**Vendor:** Chem Service

**Lot Number:** 10251200

**Balance ID:**

**Comments:** Vial Opened For Use . 2.0 ug/uL in 90:10 MeOH:H2O.

**Type:** Primary

**Prep By:** Melissa Chavez

**Status:**

**Final Volume:** 1 mL

| Chemical/Solvent Used | Bottle No    | Amt | Units | Expires   |
|-----------------------|--------------|-----|-------|-----------|
| TCL Ketone Mix        | <u>14443</u> | 1   | mL    | 1/16/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0434     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF3558B

**Spike Name:** 2nd Source Liquids

**Prep Date:** 12/27/2021

**Exp Date:** 2/27/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.2ug/uL.

**Type:** Secondary

**Prep By:** Steve Dilts

**Status:** Open

**Final Volume:** 10 mL

| Chemical/Solvent Used               | Bottle No    | Amt | Units | Expires   |
|-------------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap - EB199-US | <u>14334</u> | 9   | mL    | 2/27/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0352     | ug/mL      | 1 mL         |





# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF3559A

**Standard Name:** MtBE

**Prep Date:** 12/27/2021

**Exp Date:** 1/27/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** Final Concentration 0.2 ug/uL.

**Type:** Secondary

**Prep By:** Melissa Chavez

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used               | Bottle No    | Amt | Units | Expires   |
|-------------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap - EB199-US | <u>14334</u> | 9   | mL    | 1/27/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0373     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Standard ID:** VOCF3562A

**Standard Name:** Gases

**Prep Date:** 1/3/2022

**Exp Date:** 1/10/2022

**Department:** GCMSVOA

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL

**Type:** Secondary

**Prep By:** Alethea M. Shaules

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used          | Bottle No    | Amt | Units | Expires   |
|--------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap EB373 | <u>14519</u> | 9   | mL    | 1/10/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0427     | ug/mL      | 1 mL         |



# Analytical RunID VOA5975C.I\_220105A Standards Traceability Report

**Spike ID:** VOCF3566A

**Spike Name:** 2nd Source Gases

**Prep Date:** 1/4/2022

**Exp Date:** 1/11/2022

**Department:** gcmsvoa

**Vendor:**

**Lot Number:**

**Balance ID:**

**Comments:** 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL. Corrected final volume column to match comments and added final concentrations of analytes. MSC 01/14/2021

**Type:** Secondary

**Prep By:** Melissa Chavez

**Status:**

**Final Volume:** 10 mL

| Chemical/Solvent Used          | Bottle No    | Amt | Units | Expires   |
|--------------------------------|--------------|-----|-------|-----------|
| Methanol, Purge and Trap EB373 | <u>14519</u> | 9   | mL    | 1/11/2022 |

| Stock Source | Base Units | Amount Added |
|--------------|------------|--------------|
| VOCF0417     | ug/mL      | 1 mL         |

# CERTIFICATE OF ANALYSIS

**Catalog No:** M-502A-R-10X  
**Description:** Volatile Organic Compounds - Liquids  
**Lot:** 220041126  
**Solvent:** Methanol  
**Hazards:** Refer to SDS for complete safety information

**Date Certified:** Apr 13, 2020  
**Expiration:** Apr 13, 2023  
**Sample Size:** 1 mL  
**Components:** 54  
**Storage Condition:** Refrig (0-5 °C)



Signal Word: Danger

Certified Reference Material



| Component                    | CAS #      | Purity %<br>(GC/MS) | Prepared Concentration <sup>2</sup><br>(µg/mL) | Certified Analyte Concentration <sup>1</sup><br>(µg/mL) |
|------------------------------|------------|---------------------|--|---|
| Benzene                      | 71-43-2    | 100.0               | 2002   | 2002  |
| Bromobenzene                 | 108-86-1   | 100.0               | 2003   | 2003  |
| Bromochloromethane           | 74-97-5    | 99.1                | 2001   | 1983  |
| Bromodichloromethane         | 75-27-4    | 99.0                | 2002   | 1982  |
| Bromoform                    | 75-25-2    | 99.2                | 2001   | 1985  |
| n-Butylbenzene               | 104-51-8   | 100.0               | 2002   | 2002  |
| sec-Butylbenzene             | 135-98-8   | 100.0               | 2001   | 2001  |
| tert-Butylbenzene            | 98-06-6    | 99.0                | 2003   | 1983  |
| Carbon tetrachloride         | 56-23-5    | 100.0               | 2003   | 2003  |
| Chlorobenzene                | 108-90-7   | 99.6                | 2001   | 1993  |
| Chloroform                   | 67-66-3    | 99.2                | 2004   | 1988  |
| 2-Chlorotoluene              | 95-49-8    | 99.0                | 2003   | 1983  |
| 4-Chlorotoluene              | 106-43-4   | 99.8                | 2002   | 1998  |
| Dibromochloromethane         | 124-48-1   | 97.8                | 2049*  | 2004  |
| 1,2-Dibromo-3-chloropropane  | 96-12-8    | 99.2                | 2001   | 1985  |
| 1,2-Dibromoethane            | 106-93-4   | 100.0               | 2006   | 2006  |
| Dibromomethane               | 74-95-3    | 99.0                | 2002   | 1982  |
| 1,2-Dichlorobenzene          | 95-50-1    | 98.2                | 2003   | 1967  |
| 1,3-Dichlorobenzene          | 541-73-1   | 100.0               | 2000   | 2000  |
| 1,4-Dichlorobenzene          | 106-46-7   | 100.0               | 2002   | 2002  |
| 1,1-Dichloroethane           | 75-34-3    | 98.6                | 2001   | 1973  |
| 1,2-Dichloroethane           | 107-06-2   | 99.8                | 2010   | 2006  |
| 1,1-Dichloroethene           | 75-35-4    | 99.0                | 2000   | 1980  |
| cis-1,2-Dichloroethene       | 156-59-2   | 99.0                | 2002   | 1982  |
| trans-1,2-Dichloroethene     | 156-60-5   | 99.5                | 2001   | 1991  |
| 1,2-Dichloropropane          | 78-87-5    | 99.5                | 2003   | 1993  |
| 1,3-Dichloropropane          | 142-28-9   | 96.7                | 2073*  | 2005  |
| 2,2-Dichloropropane          | 594-20-7   | 99.9                | 2012   | 2010  |
| 1,1-Dichloropropene          | 563-58-6   | 98.9                | 2001   | 1979  |
| cis-1,3-Dichloropropene **   | 10061-01-5 | 93.9                | 2041*  | 1916  |
| trans-1,3-Dichloropropene ** | 10061-02-6 | 93.9                | 1968*  | 1848  |
| Ethylbenzene                 | 100-41-4   | 99.7                | 2000   | 1994  |
| Hexachlorobutadiene          | 87-68-3    | 98.0                | 2003   | 1963  |
| Isopropylbenzene             | 98-82-8    | 100.0               | 2002   | 2002  |
| p-Isopropyltoluene           | 99-87-6    | 99.4                | 2000   | 1988  |
| Methylene chloride           | 75-09-2    | 99.9                | 2001   | 1999  |
| Naphthalene                  | 91-20-3    | 100.0               | 2002   | 2002  |
| n-Propylbenzene              | 103-65-1   | 100.0               | 2001   | 2001  |
| Styrene                      | 100-42-5   | 100.0               | 2003   | 2003  |
| 1,1,1,2-Tetrachloroethane    | 630-20-6   | 98.9                | 2005   | 1983  |
| 1,1,2,2-Tetrachloroethane    | 79-34-5    | 96.0                | 2087*  | 2004  |
| Tetrachloroethene            | 127-18-4   | 99.4                | 2017   | 2005  |
| Toluene                      | 108-88-3   | 100.0               | 2001   | 2001  |
| 1,2,3-Trichlorobenzene       | 87-61-6    | 100.0               | 2002   | 2002  |

# CERTIFICATE OF ANALYSIS

**Catalog No:** M-502A-R-10X  
**Description:** Volatile Organic Compounds - Liquids  
**Lot:** 220041126  
**Solvent:** Methanol

**Date Certified:** Apr 13, 2020  
**Expiration:** Apr 13, 2023  
**Sample Size:** 1 mL  
**Components:** 54

| Component - <i>continued</i> | CAS #    | Purity % | Prepared Concentration <sup>2</sup> | Certified Analyte Concentration <sup>1</sup> |
|------------------------------|----------|----------|-------------------------------------|--|
|                              |          | (GC/MS)  | (µg/mL)                             | (µg/mL)                                      |
| 1,2,4-Trichlorobenzene       | 120-82-1 | 99.6     | 2001                                | 1993   |
| 1,1,1-Trichloroethane        | 71-55-6  | 100.0    | 2002                                | 2002   |
| 1,1,2-Trichloroethane        | 79-00-5  | 98.6     | 2000                                | 1972   |
| Trichloroethene              | 79-01-6  | 100.0    | 2003                                | 2003   |
| 1,2,3-Trichloropropane       | 96-18-4  | 97.5     | 2055*                               | 2004   |
| 1,2,4-Trimethylbenzene       | 95-63-6  | 98.2     | 2001                                | 1965   |
| 1,3,5-Trimethylbenzene       | 108-67-8 | 98.8     | 2001                                | 1977   |
| o-Xylene                     | 95-47-6  | 99.0     | 2000                                | 1980   |
| m-Xylene                     | 108-38-3 | 99.2     | 2002                                | 1986   |
| p-Xylene                     | 106-42-3 | 95.4     | 2097*                               | 2001   |

\* Weight compensated to 100% purity.

\*\* 47.8% cis isomer, 46.1% trans isomer

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is  $\pm 2.4\%$ . This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Certified By: 

Larry Decker, Organic QC Manager

**ID #: 12797**

Opened: \_\_\_\_\_

Volatile Organic Compounds - Liquids

**Expires: 4/13/2023**

Rec'd: 6/23/2020

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

# Certificate of Analysis

**Product Name:** VOC Standard

**Product Number:** DWM-589N-1

**Lot Number:** 0006570990

**Lot Issue Date:** 17-Nov-2020

**Expiration Date:** 31-Dec-2023

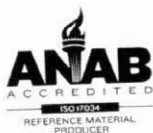
**Description:**

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                   | CAS#        | Analyte Lot | Concentration ± Uncertainty |
|---------------------------|-------------|-------------|-----------------------------|
| bromochloromethane        | 000074-97-5 | RM00009     | 2010 ± 10 µg/mL             |
| bromodichloromethane      | 000075-27-4 | RM12585     | 2009 ± 10 µg/mL             |
| bromoform                 | 000075-25-2 | RM13987     | 2010 ± 10 µg/mL             |
| carbon tetrachloride      | 000056-23-5 | RM07576     | 2010 ± 10 µg/mL             |
| chloroform                | 000067-66-3 | RM13988     | 2009 ± 10 µg/mL             |
| dibromochloromethane      | 000124-48-1 | RM14843     | 2009 ± 10 µg/mL             |
| dibromomethane            | 000074-95-3 | RM12878     | 2009 ± 10 µg/mL             |
| methylene chloride        | 000075-09-2 | RM11650     | 2009 ± 10 µg/mL             |
| 1,2-dibromoethane         | 000106-93-4 | RM00018     | 2010 ± 10 µg/mL             |
| 1,1-dichloroethane        | 000075-34-3 | RM16217     | 2006 ± 10 µg/mL             |
| 1,2-dichloroethane        | 000107-06-2 | RM04655     | 2005 ± 10 µg/mL             |
| 1,1-dichloroethene        | 000075-35-4 | RM14486     | 2010 ± 10 µg/mL             |
| cis-1,2-dichloroethene    | 000156-59-2 | RM15008     | 2007 ± 10 µg/mL             |
| trans-1,2-dichloroethene  | 000156-60-5 | RM07565     | 2008 ± 10 µg/mL             |
| 1,1,1,2-tetrachloroethane | 000630-20-6 | RM12632     | 2005 ± 10 µg/mL             |
| 1,1,2,2-tetrachloroethane | 000079-34-5 | RM02540     | 2009 ± 10 µg/mL             |
| tetrachloroethene         | 000127-18-4 | RM06491     | 2008 ± 10 µg/mL             |

# Certificate of Analysis

|                                   |             |                               |                 |
|-----------------------------------|-------------|-------------------------------|-----------------|
| <b>Product Number:</b> DWM-589N-1 |             | <b>Lot Number:</b> 0006570990 |                 |
| 1,1,1-trichloroethane             | 000071-55-6 | RM16539                       | 2004 ± 10 µg/mL |
| 1,1,2-trichloroethane             | 000079-00-5 | RM01175                       | 2009 ± 10 µg/mL |
| trichloroethene                   | 000079-01-6 | RM14232                       | 2009 ± 10 µg/mL |
| 1,2-dibromo-3-chloropropane       | 000096-12-8 | RM13666                       | 2009 ± 10 µg/mL |
| 1,2-dichloropropane               | 000078-87-5 | RM12821                       | 2008 ± 10 µg/mL |
| 1,3-dichloropropane               | 000142-28-9 | RM02080                       | 2008 ± 10 µg/mL |
| 2,2-dichloropropane               | 000594-20-7 | RM12927                       | 2005 ± 10 µg/mL |
| 1,1-dichloropropene               | 000563-58-6 | RM16190                       | 2010 ± 10 µg/mL |
| cis-1,3-dichloropropene           | 010061-01-5 | RM12891                       | 2007 ± 10 µg/mL |
| trans-1,3-dichloropropene         | 010061-02-6 | RM12254                       | 2006 ± 10 µg/mL |
| hexachlorobutadiene               | 000087-68-3 | RM09157                       | 2005 ± 10 µg/mL |
| 1,2,3-trichloropropane            | 000096-18-4 | RM13082                       | 2004 ± 10 µg/mL |
| benzene                           | 000071-43-2 | RM12931                       | 2009 ± 10 µg/mL |
| n-butylbenzene                    | 000104-51-8 | RM03651                       | 2008 ± 10 µg/mL |
| sec-butylbenzene                  | 000135-98-8 | RM10905                       | 2005 ± 10 µg/mL |
| tert-butylbenzene                 | 000098-06-6 | RM14040                       | 2007 ± 10 µg/mL |
| ethylbenzene                      | 000100-41-4 | RM12195                       | 2006 ± 10 µg/mL |
| isopropylbenzene                  | 000098-82-8 | RM00835                       | 2009 ± 10 µg/mL |
| 4-isopropyltoluene                | 000099-87-6 | RM09747                       | 2009 ± 10 µg/mL |
| naphthalene                       | 000091-20-3 | NT00970                       | 2006 ± 10 µg/mL |
| n-propylbenzene                   | 000103-65-1 | RM12785                       | 2010 ± 10 µg/mL |
| styrene                           | 000100-42-5 | RM13393                       | 2010 ± 10 µg/mL |



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 2 of 4

[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



# Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

|                        |             |         |                 |
|------------------------|-------------|---------|-----------------|
| toluene                | 000108-88-3 | RM06650 | 2008 ± 10 µg/mL |
| 1,2,4-trimethylbenzene | 000095-63-6 | RM06731 | 2002 ± 10 µg/mL |
| 1,3,5-trimethylbenzene | 000108-67-8 | RM12905 | 2009 ± 10 µg/mL |
| o-xylene               | 000095-47-6 | RM15639 | 2005 ± 10 µg/mL |
| m-xylene               | 000108-38-3 | RM15919 | 2006 ± 10 µg/mL |
| p-xylene               | 000106-42-3 | RM02647 | 2009 ± 10 µg/mL |
| bromobenzene           | 000108-86-1 | RM10227 | 2008 ± 10 µg/mL |
| chlorobenzene          | 000108-90-7 | RM01874 | 2008 ± 10 µg/mL |
| 2-chlorotoluene        | 000095-49-8 | RM13774 | 2007 ± 10 µg/mL |
| 4-chlorotoluene        | 000106-43-4 | RM11750 | 2009 ± 10 µg/mL |
| 1,2-dichlorobenzene    | 000095-50-1 | RM13636 | 2005 ± 10 µg/mL |
| 1,3-dichlorobenzene    | 000541-73-1 | NT00356 | 2009 ± 10 µg/mL |
| 1,4-dichlorobenzene    | 000106-46-7 | RM12826 | 2009 ± 10 µg/mL |
| 1,2,3-trichlorobenzene | 000087-61-6 | RM10193 | 2007 ± 10 µg/mL |
| 1,2,4-trichlorobenzene | 000120-82-1 | RM09454 | 2009 ± 10 µg/mL |

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

### Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NC SL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

### Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 3 of 4

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CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



# Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

## Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

## Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

## Hazards:

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this RM.

## Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

## Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:



Monica Bourgeois  
QMS Representative



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 4 of 4

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CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



ID #: 13578

Opened: \_\_\_\_\_

Methyl tert-Butyl Ether Standard

Expires: 8/31/2022

Rec'd: 2/26/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

# Certificate of Analysis

**Product Name:** Methyl tert-Butyl Ether Standard

**Product Number:** STS-440-1

**Lot Number:** 0006555762

**Lot Issue Date:** 19-Aug-2020

**Expiration Date:** 31-Aug-2022

**Description:**

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

**Analyte**

**CAS#**

**Analyte Lot**

**Concentration ± Uncertainty**

tert-butylmethyl ether

001634-04-4

RM06568

2006 ± 10 µg/mL

**Matrix:** methanol (methyl alcohol)

**Storage Conditions:** Store Frozen (-25° to -10°C).

**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Intended Use:**

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Hazards:**

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this RM.

**Expiration of Certification:**

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois

QMS Representative



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 1 of 1

[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937

# CERTIFICATE OF ANALYSIS

Catalog No: S-078-10X

Description: MtBE

Lot: 220051182

Solvent: Methanol

Hazards: Refer to SDS for complete safety information

Date Certified: May 18, 2020

Expiration: May 18, 2030

Sample Size: 1 mL

Components: 1

Storage Condition: Ambient (>5 °C)



Signal Word: Danger

Certified Reference Material



| Component | CAS #     | Purity %<br>(GC/MS) | Prepared<br>Concentration <sup>2</sup><br>(µg/mL) | Certified Analyte<br>Concentration <sup>1</sup><br>(µg/mL) |
|-----------|-----------|---------------------|---|--|
| MtBE      | 1634-04-4 | 100.0               | 2002  | 2002   |

ID #: 13920

Opened: \_\_\_\_\_

MTBE

Expires: 5/18/2030

Rec'd: 6/7/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is  $\pm 2.4\%$ . This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: \_\_\_\_\_

Larry Decker, Organic QC Manager

## CERTIFICATE OF ANALYSIS

### Volatile Organics High Concentration Mixture #6

CONCENTRATION 2000ug/ml in Methanol  
CATALOG NUMBER M-VOHC6M5-1ML  
LOT NUMBER 11882100  
DATE CERTIFIED 05/25/21  
EXPIRATION DATE 02/28/22  
STORAGE Store at room temperature (20 - 25 °C).  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.  
ISO 17034:2016 CERTIFIED [ ]

ID #: 14142

Opened:

Volatile Organics High Concentration Mixture

Expires: 2/28/2022

Rec'd: 8/3/2021

Energx Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

| ID      | Analyte                 | CAS     | Weight Analyte (mg) | Lot      | Purity | Certified Concentration (ug/mL) |
|---------|-------------------------|---------|---------------------|----------|--------|---------------------------------|
| N-11446 | Chloroethane            | 75-00-3 | 96.300              | 00001728 | 100.0  | 2006.3                          |
| N-11665 | Dichlorodifluoromethane | 75-71-8 | 96.610              | 00001729 | 100.0  | 2012.7                          |
| N-12417 | Methyl bromide          | 74-83-9 | 96.910              | 00024694 | 100.0  | 2019.0                          |
| N-12421 | Methyl chloride         | 74-87-3 | 96.150              | 00001731 | 100.0  | 2003.1                          |
| N-13655 | Trichlorofluoromethane  | 75-69-4 | 96.300              | 00027239 | 99.4   | 1994.2                          |
| N-13748 | Vinyl chloride          | 75-01-4 | 96.150              | 00019298 | 100.0  | 2003.1                          |

#### Analytical Test

#### Value

CONCENTRATION (GC/MSD)

VERIFIED

# CHEM SERVICE INC

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## Instructions for Use:

Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.

Minimum Sample Size- 0.2 uL for Direct Injection.

Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

*Mary Beth O'Donnell*

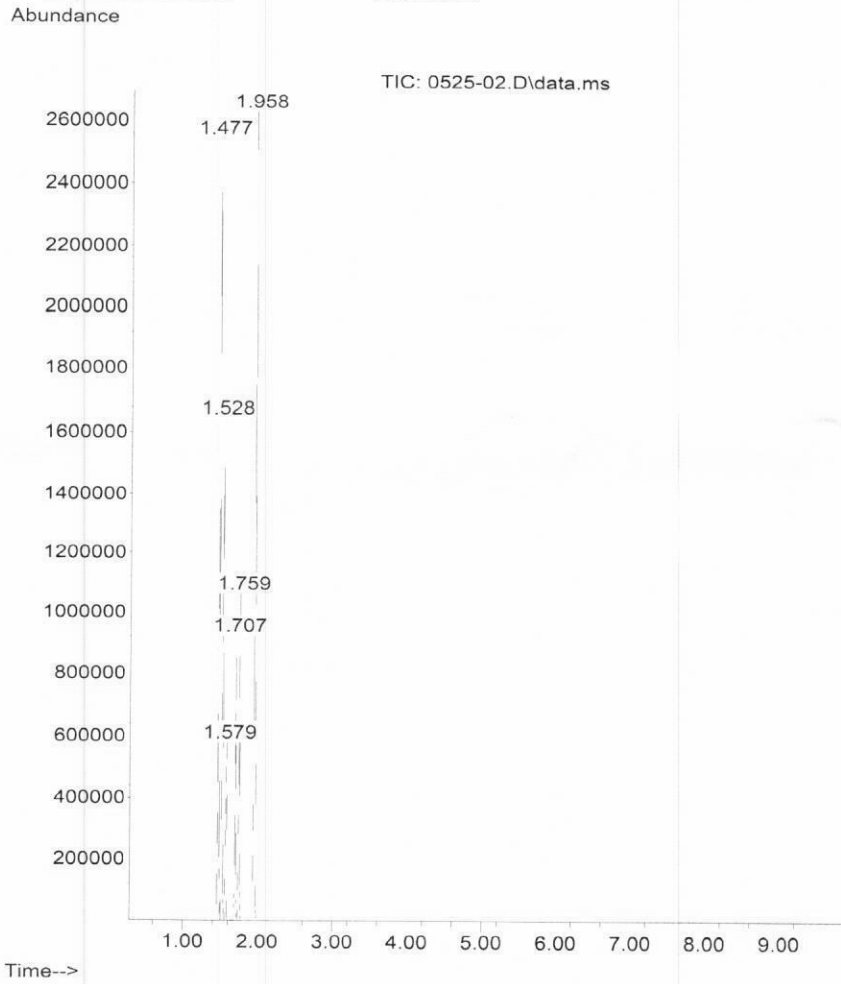
Mary Beth O'Donnell  
CSM/TC



## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: M-VOHC6M5-1ML  
Description: Volatile Organics High Concentration Mixture #6  
Lot Number: 11882100  
Expiration Date: 02/28/22





# Certificate of Analysis

ID #: 14251

Opened: \_\_\_\_\_

Internal Standard

Expires: 12/31/2022

Rec'd: 9/8/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

**Product Name:** Internal Standard

**Product Number:** STM-520-1

**Lot Issue Date:** 05-Jan-2021

**Lot Number:** 0006582580

**Expiration Date:** 31-Dec-2022

**Description:**

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                | CAS#        | Analyte Lot | Concentration ± Uncertainty |
|------------------------|-------------|-------------|-----------------------------|
| chlorobenzene-d5       | 003114-55-4 | RM12274     | 2501 ± 13 µg/mL             |
| 1,4-dichlorobenzene-d4 | 003855-82-1 | RM12517     | 2501 ± 13 µg/mL             |
| fluorobenzene          | 000462-06-6 | RM13378     | 2512 ± 13 µg/mL             |

**Matrix:** methanol (methyl alcohol)

**Storage Conditions:** Store Frozen (-25° to -10°C).

**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z540.3, ISO 9001, ISO 17025 and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Intended Use:**

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Hazards:**

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this RM.



ISO 17034  
REFERENCE MATERIAL  
PRODUCER  
ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 1 of 2

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CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



# Certificate of Analysis

**Product Number:** STM-520-1

**Lot Number:** 0006582580

**Expiration of Certification:**

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois  
QMS Representative



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 2 of 2

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CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



# CERTIFICATE OF ANALYSIS

**Catalog No:** M-8260A-B-SS-10X  
**Description:** Surrogate Standard Mix  
**Lot:** 219041458

**Solvent:** Methanol

**Hazards:** Refer to SDS for complete safety information

**Date Certified:** Apr 18, 2019

**Expiration:** Apr 18, 2029

**Sample Size:** 1 mL

**Components:** 4

**Storage Condition:** Ambient (>5 °C)



Signal Word: Danger

## Certified Reference Material



| Component             | CAS #      | Purity % | Prepared                              | Certified Analyte                     |
|-----------------------|------------|----------|---------------------------------------|---------------------------------------|
|                       |            | (GC/MS)  | Concentration <sup>2</sup><br>(µg/mL) | Concentration <sup>1</sup><br>(µg/mL) |
| p-Bromofluorobenzene  | 460-00-4   | 99.9     | 2004                                  | 2002                                  |
| Dibromofluoromethane  | 1868-53-7  | 99.8     | 2005                                  | 2001                                  |
| 1,2-Dichloroethane-d4 | 17060-07-0 | 100.0    | 2001                                  | 2001                                  |
| Toluene-d8            | 2037-26-5  | 100.0    | 2000                                  | 2000                                  |

**ID #:** 14269

Opened: \_\_\_\_\_

Surrogate Standard Mix

**Expires:** 4/18/2029

Rec'd: 9/14/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is  $\pm 2.4\%$ . This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

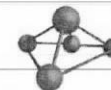
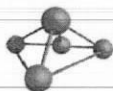
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Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: \_\_\_\_\_

Larry Decker, Organic QC Manager



**CERTIFIED WEIGHT REPORT**

**Part Number:** 30058  
**Lot Number:** 080321  
**Description:** EPA Method 502/524 - Volatile Gases Mix #1  
6 components  
**Expiration Date:** 080324  
**Recommended Storage:** Freezer (0 °C)  
**Nominal Concentration (µg/mL):** 2000  
**NIST Test ID#:** 6UTB  
**Solvent:** Methanol  
**Lot#:** EA783-US  
5E-05 Balance Uncertainty  
Weight(s) shown below were combined and diluted to (mL): 500.0 0.058 Flask Uncertainty

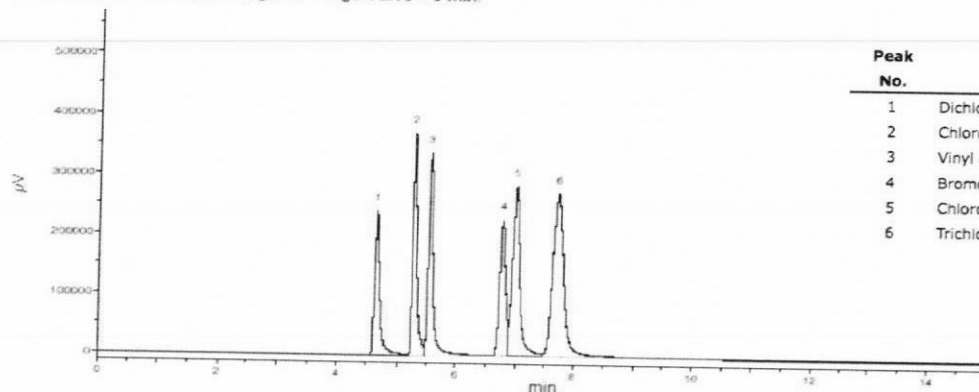
|                |                 |        |
|----------------|-----------------|--------|
|                |                 | 080321 |
| Formulated By: | Mario Luis      | DATE   |
|                |                 | 080321 |
| Reviewed By:   | Pedro L. Rentas | DATE   |

| Compound                   | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity (%) | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |                           |                   |
|----------------------------|-----|------------|----------------------|------------|------------------------|-------------------|-------------------|--------------------|------------------------------------|--|---------------------------|-------------------|
|                            |     |            |                      |            |                        |                   |                   |                    |                                    | CAS#   | OSHA PEL (TWA)            | LD50              |
| 1. Bromomethane            | 50  | 01611JX    | 2000                 | 99.5       | 0.2                    | 1.00508           | 1.0098            | 2009.4             | 8.1                                | 74-83-9  | 5 ppm (20mg/m3/8H) (skin) | ori-rat 214mg/kg  |
| 2. Chloroethane            | 72  | 062617     | 2000                 | 99         | 0.2                    | 1.01016           | 1.0146            | 2008.8             | 8.1                                | 75-00-3  | 1000 ppm (2600mg/m3/8H)   | N/A               |
| 3. Chloromethane           | 79  | 06908MS    | 2000                 | 99.5       | 0.2                    | 1.00508           | 1.0154            | 2020.5             | 8.1                                | 74-87-3  | 100 ppm                   | ori-rat 1800mg/kg |
| 4. Dichlorodifluoromethane | 134 | 92-0487    | 2000                 | 99         | 0.2                    | 1.01016           | 1.0224            | 2024.2             | 8.2                                | 75-71-8  | 1000 ppm (4950mg/m3/8H)   | N/A               |
| 5. Trichlorofluoromethane  | 294 | 01823MW    | 2000                 | 99         | 0.2                    | 1.01016           | 1.0110            | 2001.7             | 8.1                                | 75-69-4  | 1000 ppm (5600mg/m3/8H)   | ipr-mus 1743mg/kg |
| 6. Vinyl chloride          | 305 | 04854EA    | 2000                 | 99.5       | 0.2                    | 1.00508           | 1.0071            | 2004.0             | 8.1                                | 75-01-4  | N/A                       | N/A               |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**

GC15-M9 Analysis by Melissa Stonier  
Column ID SPB-Vocool 105 meter X 0.53mm X 3.0µm film thickness  
Flow rates: Total flow=150mL/min., Helium (carrier)=10mL/min., Helium(make-up)=40mL/min., Hydrogen(make-up)=100mL/min.  
Oven Profile: Temp. 1=35°C (Time 1=9 min.), Temp 2=200°C (Time 2=1 min.), Rate = 33°C/min., Total run time=15 min., Injector temp.=200°C, FID Temp.=200°C.  
ELCD Signal = Edaq Channel 1 PID Signal = Edaq Channel 2  
Standard injection = 0.5µL, Range=3 Purge Valve = 0 min.



| Peak No. | Analyte                 | ELCD RT (min.) |
|----------|-------------------------|----------------|
| 1        | Dichlorodifluoromethane | 4.67           |
| 2        | Chloromethane           | 5.28           |
| 3        | Vinyl chloride          | 5.56           |
| 4        | Bromomethane            | 6.75           |
| 5        | Chloroethane            | 6.99           |
| 6        | Trichlorofluoromethane  | 7.72           |

**ID #: 14285**

Opened: \_\_\_\_\_  
EPA Method 502-524 - Volatile Gases Mix #1  
**Expires: 8/3/2024**  
Rec'd: 9/17/2021  
Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

ID #: 14443

Opened: \_\_\_\_\_

TCL Ketone Mix

Expires: 6/30/2023

Rec'd: 10/26/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

## CERTIFICATE OF ANALYSIS

### TCL Ketones Mixture

CONCENTRATION 2000ug/ml in Methanol:Water (90:10)  
CATALOG NUMBER M-TCL1AN5-1ML  
LOT NUMBER 10251200  
DATE CERTIFIED 06/16/20  
EXPIRATION DATE 06/30/23  
STORAGE Freezer storage (-20 - -25 °C)  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.  
ISO 17034:2016 CERTIFIED [ ]

| ID      | Analyte              | CAS      | Weight Analyte (mg) | Lot      | Purity | Certified Concentration (ug/mL) |
|---------|----------------------|----------|---------------------|----------|--------|---------------------------------|
| N-11014 | Acetone              | 67-64-1  | 203.300             | 00026182 | 98.7   | 2006.6                          |
| N-10297 | 2-Butanone           | 78-93-3  | 202.800             | 00027454 | 99.5   | 2017.9                          |
| N-10369 | 2-Hexanone           | 591-78-6 | 202.600             | 00025720 | 99.5   | 2015.9                          |
| N-10844 | 4-Methyl-2-pentanone | 108-10-1 | 204.700             | 6403300  | 99.5   | 2036.8                          |

| Analytical Test        | Value    |
|------------------------|----------|
| CONCENTRATION (GC/FID) | VERIFIED |

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



COA Form  
Revision 3 (3/2015)

Print Date: 10/22/21

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

#### Instructions for Use:

Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.

Minimum Sample Size- 0.2 uL for Direct Injection.

Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor  $k$  ( $k=2$ ) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

#### Certified By:

*Mary Beth O'Donnell*

Mary Beth O'Donnell  
CSM/TC

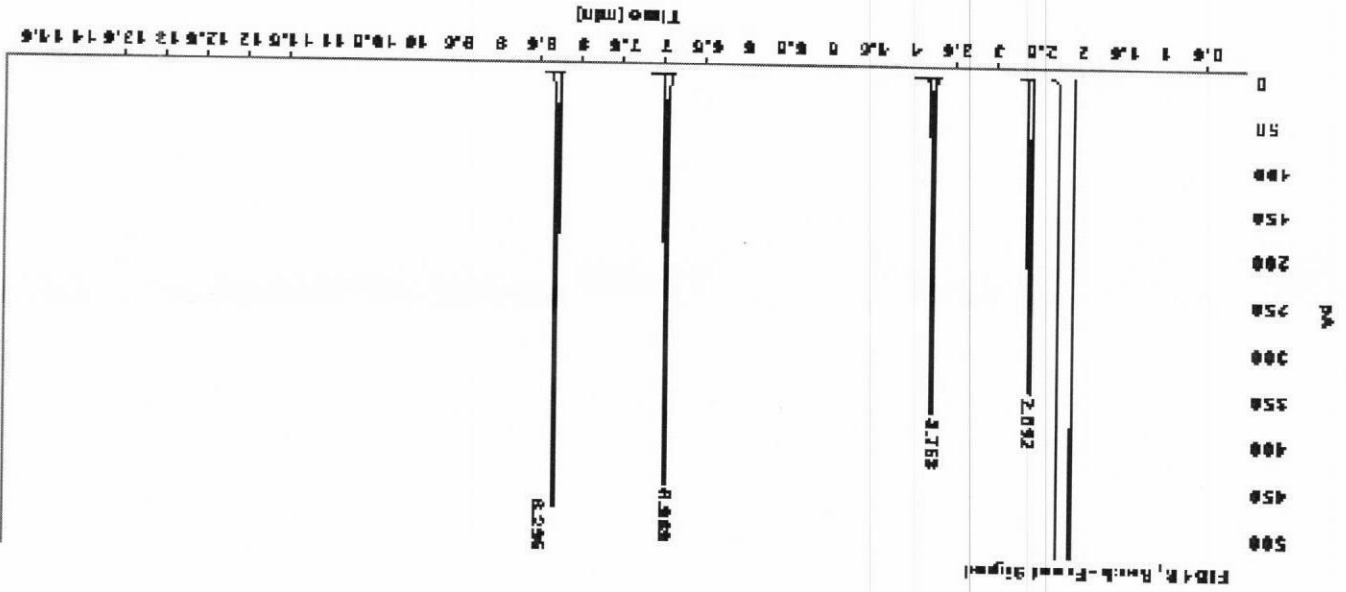
Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



## CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

**Data file:** C:\CHEM321\DATA\2020 DATA\0620M-TCL1AN5.D  
**Sample name:** M-TCL1AN5  
**Acq. method:** N-14278.M  
**Instrument:** GC3  
**Injection date:** 6/16/2020 2:52:35 PM  
**Column name:** RTX-5MS (30m x 0.25mm x 0.5µm)  
**Location:** 202  
**Injection Vol:** 1.000  
**# Of Injections:** 1



Signal: FID1 B, Back - Front Signal

| RT [min] | Type | Width [min] | Area     | Height   | Area%     |
|----------|------|-------------|----------|----------|-----------|
| 2.592    | BB   | 0.0277      | 580.2505 | 343.4986 | 18.4855   |
| 3.763    | BB   | 0.0323      | 735.4804 | 387.8491 | 23.4054   |
| 6.969    | BB   | 0.0326      | 904.3389 | 447.8770 | 28.7791   |
| 8.295    | BB   | 0.0307      | 822.2798 | 474.3798 | 29.3500   |
| Sum      |      |             |          |          | 3142.3497 |

Chem Service, Inc is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



# CERTIFICATE OF ANALYSIS

**Catalog No:** CLP-022K-10X  
**Description:** TCL Ketone Mix  
**Lot:** 221101480  
**Solvent:** Methanol  
**Hazards:** Refer to SDS for complete safety information

**Date Certified:** Oct 26, 2021  
**Expiration:** Nov 26, 2022  
**Sample Size:** 1 mL  
**Components:** 4  
**Storage Condition:** Freeze (<-10 °C)



**Certified Reference Material**



| Component            | CAS #    | Purity % | Prepared Concentration <sup>2</sup> | Certified Analyte Concentration <sup>1</sup> |
|----------------------|----------|----------|-------------------------------------|--|
|                      |          | (GC/MS)  | (µg/mL)                             | (µg/mL)                                      |
| Acetone              | 67-64-1  | 100.0    | 2004                                | 2004   |
| 2-Butanone           | 78-93-3  | 100.0    | 2004                                | 2004   |
| 2-Hexanone           | 591-78-6 | 98.7     | 2004                                | 1978   |
| 4-Methyl-2-pentanone | 108-10-1 | 100.0    | 2004                                | 2004   |

**ID #:** 14567

Opened: \_\_\_\_\_  
TCL Ketones Mixture  
**Expires:** 11/26/2022  
Rec'd: 11/30/2021  
Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: \_\_\_\_\_

Larry Decker, Organic QC Manager



# CERTIFICATE OF ANALYSIS

**Catalog No:** CLP-022K-10X  
**Description:** TCL Ketone Mix  
**Lot:** 221101480  
**Solvent:** Methanol

**Date Certified:** Oct 26, 2021  
**Expiration:** Nov 26, 2022  
**Sample Size:** 1 mL  
**Components:** 4

## T-Test

AccuStandard, Inc.  
Statistical Report for CLP (SOW 1391)  
26-Oct-2021

QR-QC-003 rev. 1/16

| RT Component                         | CLP-022K-10X<br>221101480 |        |        |        |      |         |       | CLP-022K-10X<br>221041075 |        |        |        |      |         |       | NOTES:     |       |                                 |      |           |                                 |     |
|--------------------------------------|---------------------------|--------|--------|--------|------|---------|-------|---------------------------|--------|--------|--------|------|---------|-------|------------|-------|---------------------------------|------|-----------|---------------------------------|-----|
|                                      | Run #1                    | Run #2 | Run #3 | Run #4 | Mean | Std Dev | % RSD | Run #1                    | Run #2 | Run #3 | Run #4 | Mean | Std Dev | % RSD | t.025 test | CI    | Component                       | CI   | # of Runs | 10 % error check of Conc. means |     |
| 3.74 Acetone (67-64-1)               | 1925                      | 1881   | 1854   | 1803   | 1866 | 51.05   | 2.74% | 1751                      | 1712   | 1730   | 1764   | 1764 | 22.43   | 1.29% | 4.36       | 119.2 | Acetone (67-64-1)               | 56   | 4         | 2000                            | 7 % |
| 5.77 2-Butanone (78-93-3)            | 2275                      | 2223   | 2237   | 2149   | 2221 | 52.79   | 2.38% | 2157                      | 2103   | 2145   | 2177   | 2146 | 31.26   | 1.45% | 2.46       | 58.5  | 2-Butanone (78-93-3)            | 35.9 | 4         | 2000                            | 9 % |
| 8.34 4-Methyl-2-pentanone (108-10-1) | 3373                      | 3302   | 3408   | 3225   | 3327 | 81.05   | 2.44% | 3349                      | 3240   | 3296   | 3415   | 3325 | 74.70   | 2.25% | 0.04       | 0.9   | 4-Methyl-2-pentanone (108-10-1) | 0.8  | 4         | 2000                            | 0 % |
| 9.13 2-Hexanone (99-178-6)           | 3260                      | 3199   | 3332   | 3118   | 3227 | 90.88   | 2.62% | 3186                      | 3072   | 3120   | 3239   | 3154 | 73.32   | 2.32% | 1.25       | 35.2  | 2-Hexanone (99-178-6)           | 29.1 | 4         | 2000                            | 2 % |

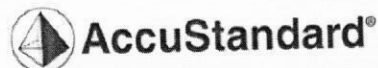
# CERTIFICATE OF ANALYSIS

**Catalog No:** CLP-022K-10X  
**Description:** TCL Ketone Mix  
**Lot:** 221101480  
**Solvent:** Methanol

**Date Certified:** Oct 26, 2021  
**Expiration:** Nov 26, 2022  
**Sample Size:** 1 mL  
**Components:** 4

## Chromatogram

File : Q:\GCMS-06 Minimal\DATA\102521\13- 221101480 KM.D  
Operator : Organic QC Lab  
Acquired : 25 Oct 2021 21:00 using AcqMethod VOC-Split100.M  
Instrument : GCMS 6  
Sample Name : CLP-022K-10X (221101480)  
Misc Info : TCL Ketone Mix @ 2000 ug/mL in MeOH  
Vial Number : 34



Column: DB-624 UI, 30m x 0.25mm ID x 1.4µm  
Oven Program: 35°C (hold 5min), 11°C/min to 60°C, 22°C/min to 230°C (hold 4min)  
GC Parameters: Split 100:1, 1µl inj.; GC/MS; injector temp 240°C

