

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112123\  
 Data File : VU056559.D  
 Acq On : 21 Nov 2023 18:22  
 Operator : MD/SY  
 Sample : 05441-03DL 20X  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0QF8DL

Quant Time: Nov 21 23:37:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 21 23:30:53 2023  
 Response via : Initial Calibration

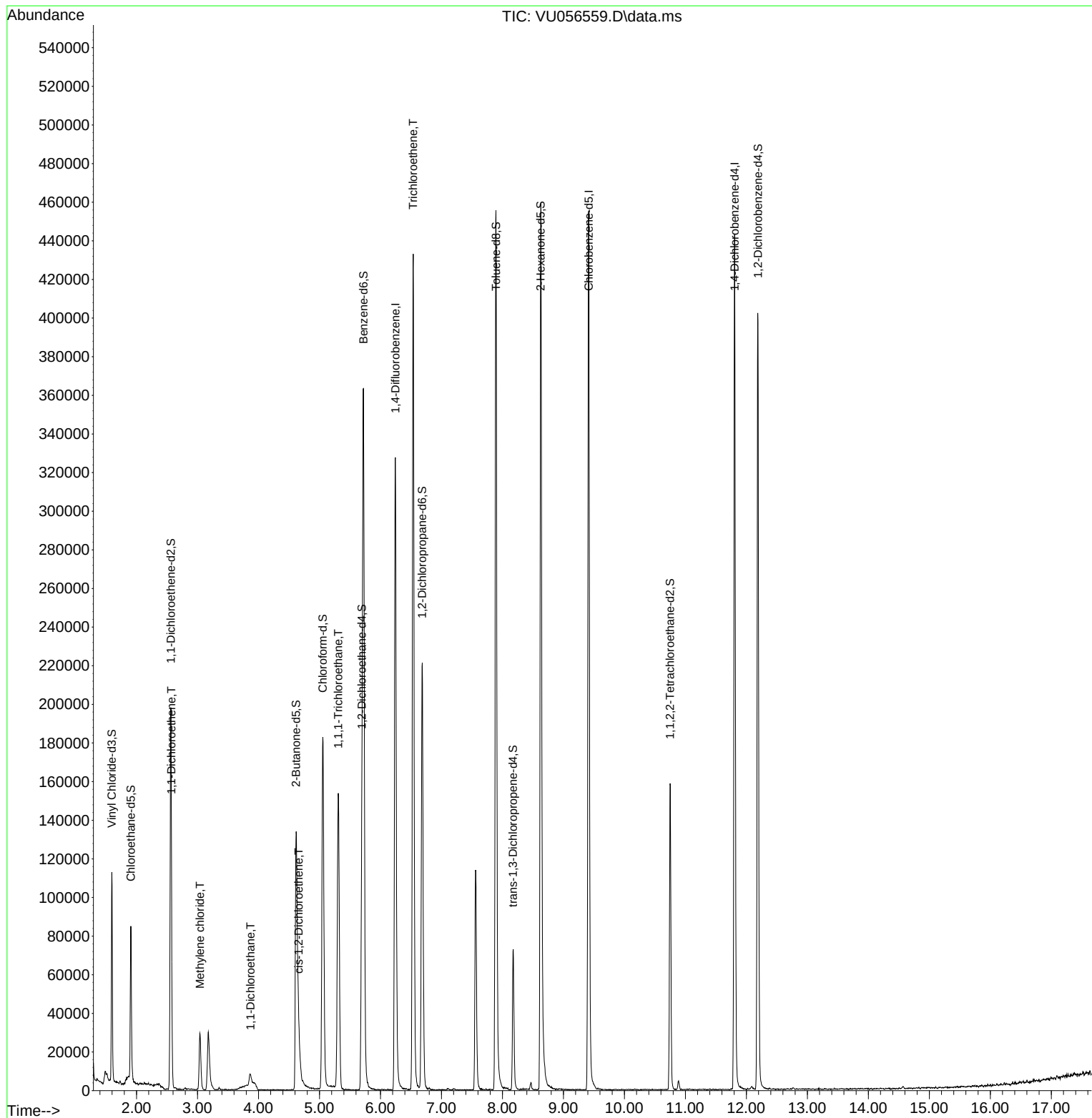
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 274009   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 270096   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 115948   | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 75843    | 3.701  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 74.000%  |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 57889    | 3.684  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 73.600%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 37158    | 4.108  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 82.200%  |          |
| 20) 2-Butanone-d5             | 4.618  | 46             | 192070   | 46.999 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 94.000%  |          |
| 24) Chloroform-d              | 5.055  | 84             | 178443   | 4.501  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 90.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 89515    | 4.887  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.800%  |          |
| 32) Benzene-d6                | 5.721  | 84             | 351061   | 4.363  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 87.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67             | 111251   | 4.587  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 91.800%  |          |
| 41) Toluene-d8                | 7.894  | 98             | 317863   | 4.473  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 89.400%  |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79             | 43978    | 4.728  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 94.600%  |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 162933   | 44.573 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 89.140%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84             | 77305    | 4.461  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 89.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 108169   | 5.050  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 101.000% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 12) 1,1-Dichloroethene        | 2.573  | 96             | 3124     | 0.186  | ug/L     | # 1      |
| 16) Methylene chloride        | 3.039  | 84             | 15854    | 0.714  | ug/L     | 90       |
| 19) 1,1-Dichloroethane        | 3.869  | 63             | 6972     | 0.204  | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96             | 5259     | 0.269  | ug/L     | 85       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97             | 117573   | 3.792  | ug/L     | 99       |
| 34) Trichloroethene           | 6.537  | 95             | 153246   | 7.298  | ug/L     | 98       |
| -----                         |        |                |          |        |          |          |

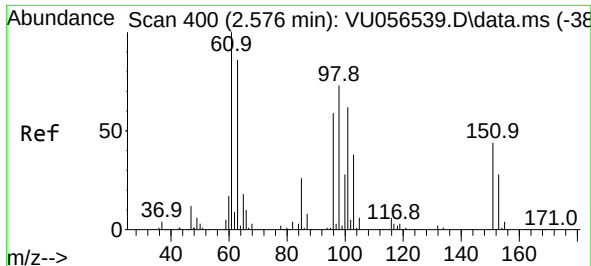
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 21 23:30:53 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.186 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

Instrument :

MSVOA\_U

ClientSampleId :

C0QF8DL

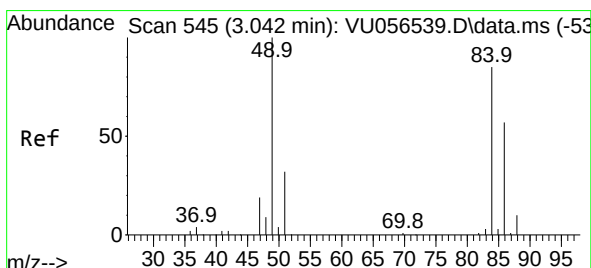
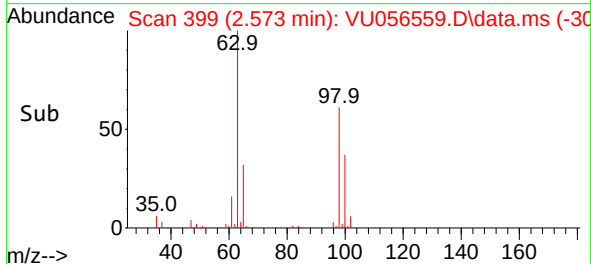
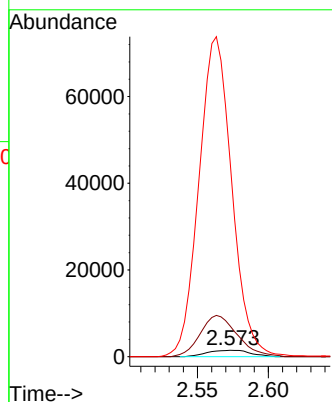
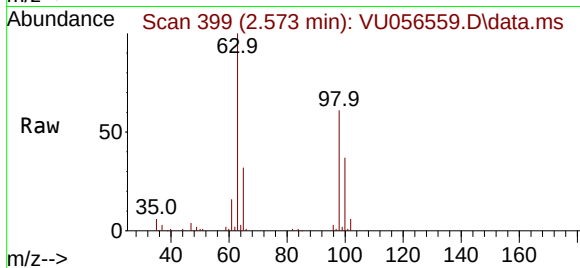
Tgt Ion: 96 Resp: 3124

Ion Ratio Lower Upper

96 100

61 484.4 123.1 228.7#

63 3076.6 93.3 173.3#



#16

Methylene chloride

Concen: 0.714 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.003 min

Lab File: VU056559.D

Acq: 21 Nov 2023 18:22

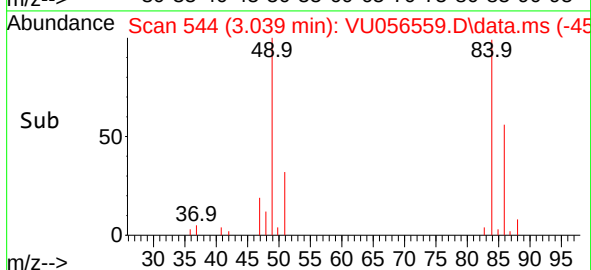
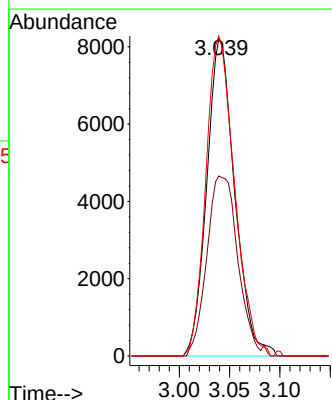
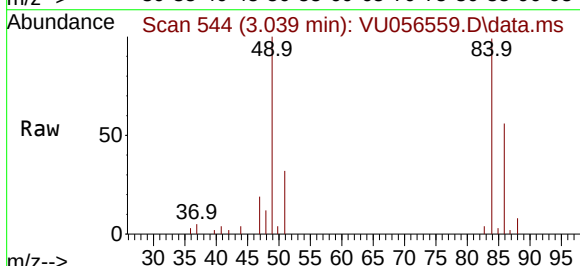
Tgt Ion: 84 Resp: 15854

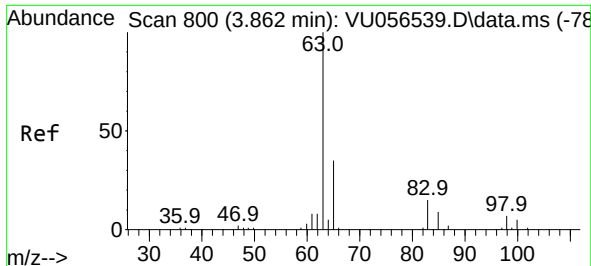
Ion Ratio Lower Upper

84 100

86 56.8 44.7 83.1

49 105.0 81.8 152.0

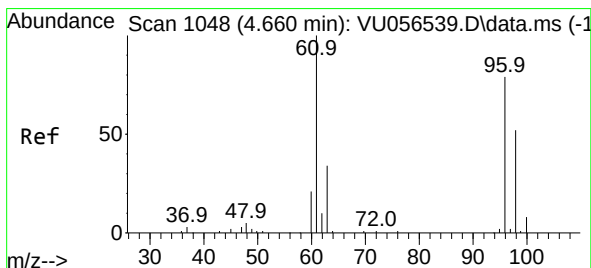
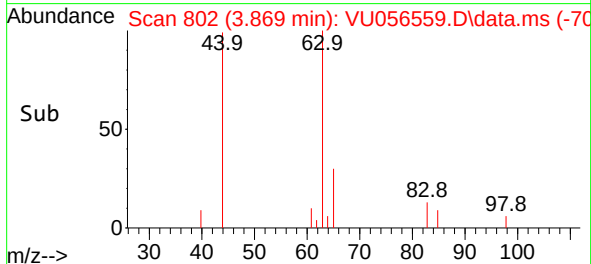
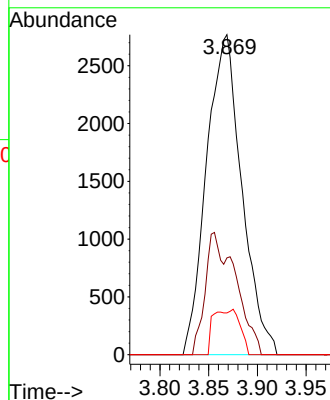
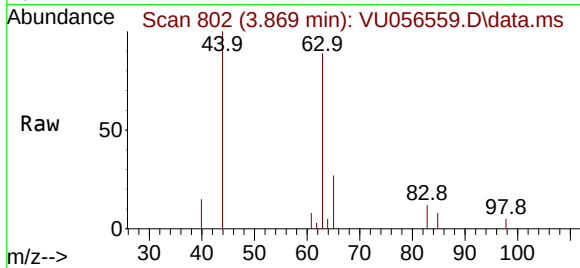




#19  
1,1-Dichloroethane  
Concen: 0.204 ug/L  
RT: 3.869 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VU056559.D  
Acq: 21 Nov 2023 18:22

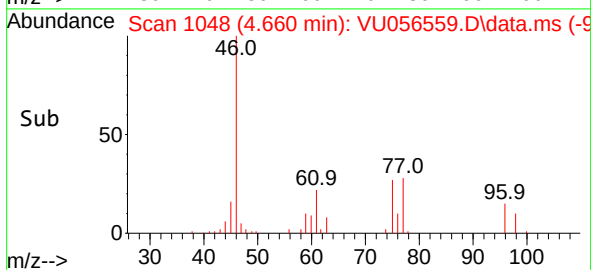
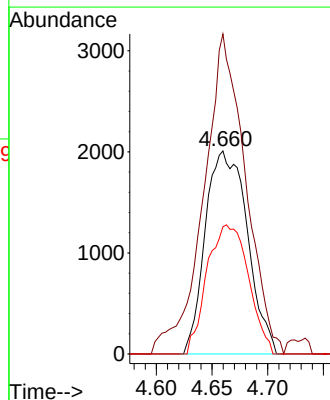
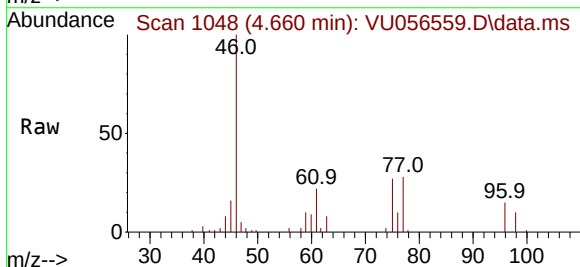
Instrument :  
MSVOA\_U  
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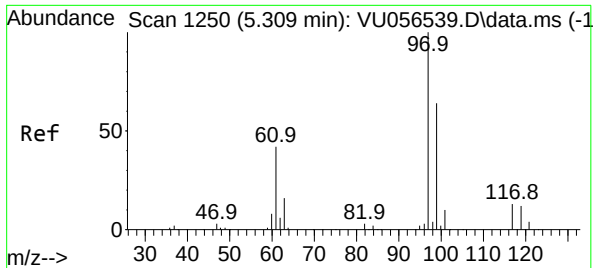
Tgt Ion: 63 Resp: 6972  
Ion Ratio Lower Upper  
63 100  
65 30.3 21.8 40.6  
83 13.1 9.7 17.9



#22  
cis-1,2-Dichloroethene  
Concen: 0.269 ug/L  
RT: 4.660 min Scan# 1048  
Delta R.T. -0.000 min  
Lab File: VU056559.D  
Acq: 21 Nov 2023 18:22

Tgt Ion: 96 Resp: 5259  
Ion Ratio Lower Upper  
96 100  
61 157.6 93.2 173.2  
98 62.7 44.8 83.2

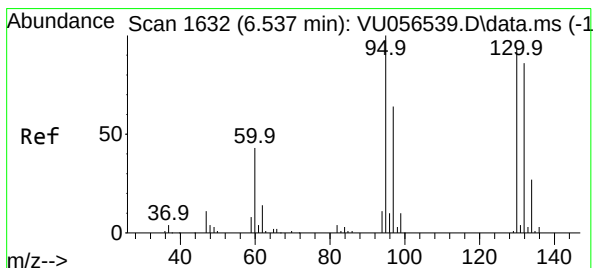
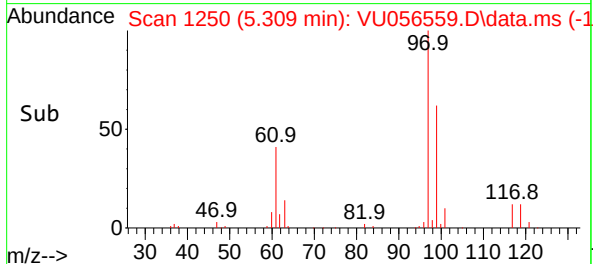
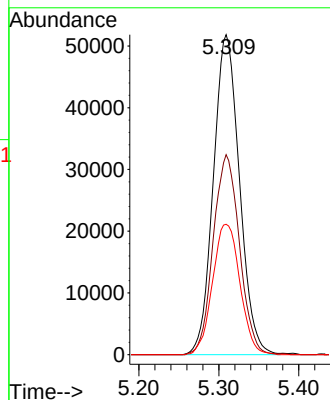
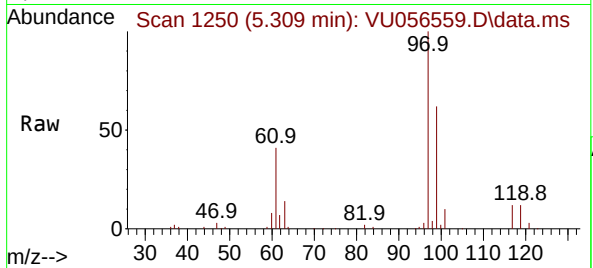




#29  
1,1,1-Trichloroethane  
Concen: 3.792 ug/L  
RT: 5.309 min Scan# 117573  
Delta R.T. -0.000 min  
Lab File: VU056559.D  
Acq: 21 Nov 2023 18:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0QF8DL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 117573 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.9  | 51.6  | 77.4   |
| 61       | 42.8  | 34.3  | 51.5   |



#34  
Trichloroethene  
Concen: 7.298 ug/L  
RT: 6.537 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VU056559.D  
Acq: 21 Nov 2023 18:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 153246 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 63.4  | 46.5  | 86.3   |
| 132      | 89.5  | 62.0  | 115.2  |
| 130      | 92.5  | 66.3  | 123.1  |

