

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122623\  
 Data File : VU057240.D  
 Acq On : 26 Dec 2023 17:33  
 Operator : MD/SY  
 Sample : 05927-09  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 26 23:42:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 26 23:39:51 2023  
 Response via : Initial Calibration

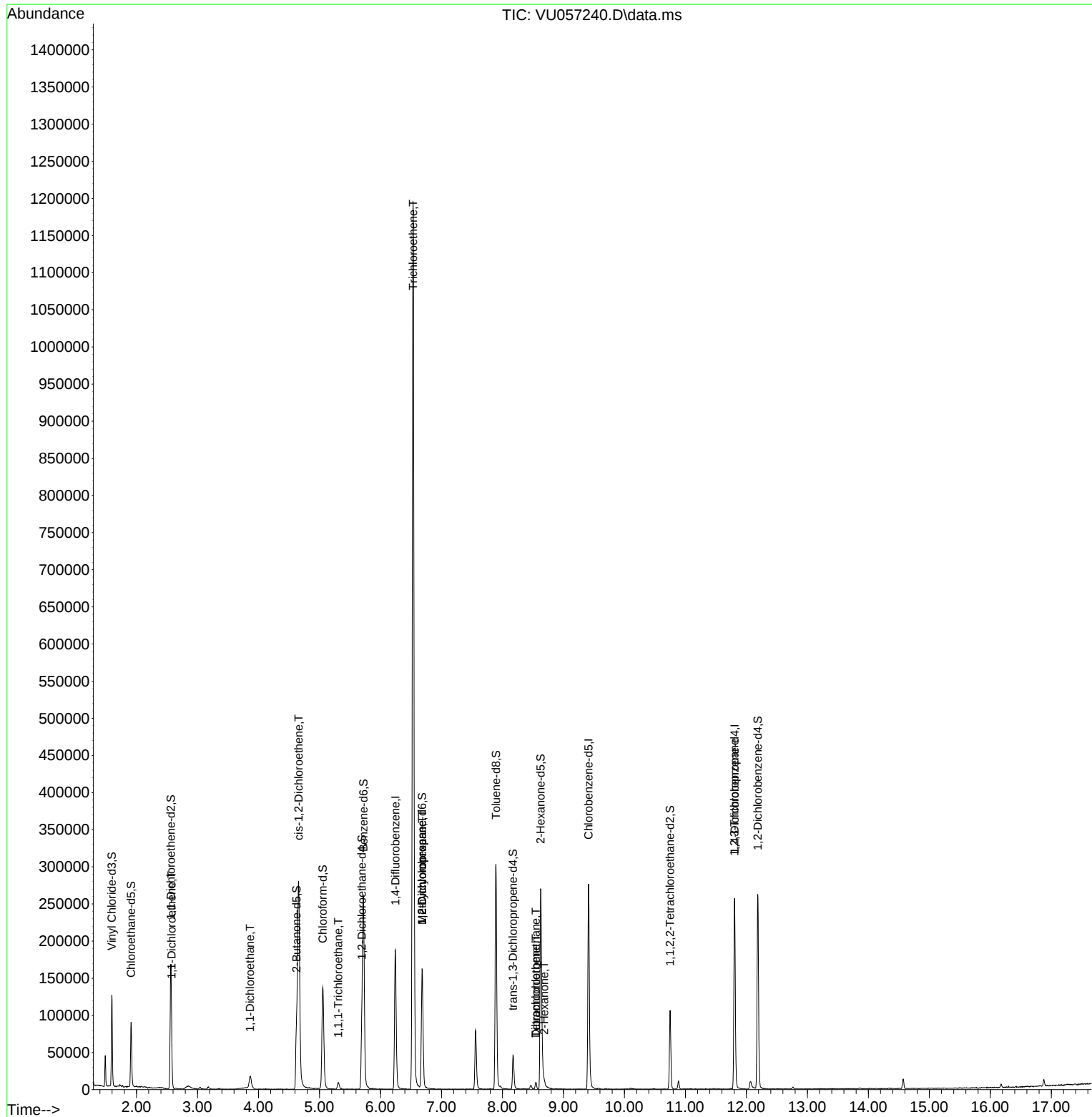
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 150337   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 154386   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 70906    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 84297    | 5.867  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 117.400% |          |
| 7) Chloroethane-d5            | 1.911  | 69             | 66956    | 5.661  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 113.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 32694    | 5.252  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 105.000% |          |
| 20) 2-Butanone-d5             | 4.624  | 46             | 118134   | 52.362 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 104.720% |          |
| 24) Chloroform-d              | 5.055  | 84             | 132279   | 4.767  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 95.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 64717    | 4.894  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.800%  |          |
| 32) Benzene-d6                | 5.721  | 84             | 247434   | 4.673  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 93.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67             | 77289    | 5.129  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 102.600% |          |
| 41) Toluene-d8                | 7.894  | 98             | 209949   | 4.343  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 86.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79             | 28529    | 4.548  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 91.000%  |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 93707    | 43.876 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 87.760%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84             | 51944    | 4.844  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 96.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152            | 69259    | 4.539  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 90.800%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.576  | 96             | 3132     | 0.279  | ug/L #   | 1        |
| 19) 1,1-Dichloroethane        | 3.862  | 63             | 18121    | 0.833  | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96             | 141108   | 11.690 | ug/L     | 95       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97             | 7139     | 0.291  | ug/L     | 98       |
| 34) Trichloroethene           | 6.534  | 95             | 430270   | 30.063 | ug/L     | 98       |
| 35) Methylcyclohexane         | 6.682  | 83             | 18099    | 0.961  | ug/L #   | 18       |
| 37) 1,2-Dichloropropane       | 6.682  | 63             | 8640     | 0.710  | ug/L #   | 91       |
| 47) Tetrachloroethene         | 8.550  | 164            | 2107     | 0.205  | ug/L     | 93       |
| 48) 2-Hexanone                | 8.685  | 43             | 2723     | 0.699  | ug/L #   | 83       |
| 49) Dibromochloromethane      | 8.550  | 129            | 2154     | 0.198  | ug/L #   | 10       |
| 61) 1,2,3-Trichloropropane    | 11.804 | 75             | 8275     | 1.253  | ug/L #   | 64       |
| -----                         |        |                |          |        |          |          |

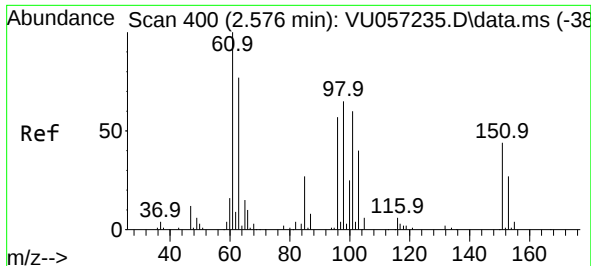
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05927-09  
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ALS Vial : 9 Sample Multiplier: 1

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Quant Time: Dec 26 23:42:36 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Dec 26 23:39:51 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.279 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

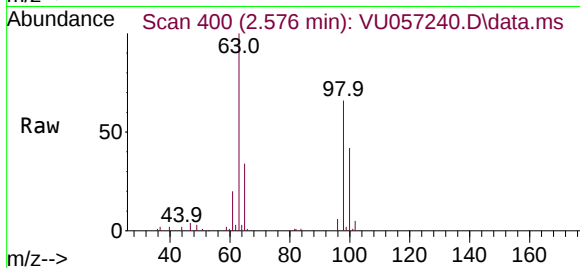
Lab File: VU057240.D

Acq: 26 Dec 2023 17:33

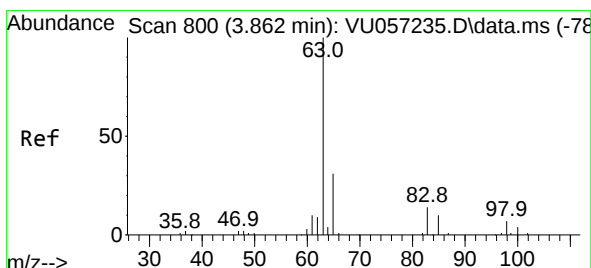
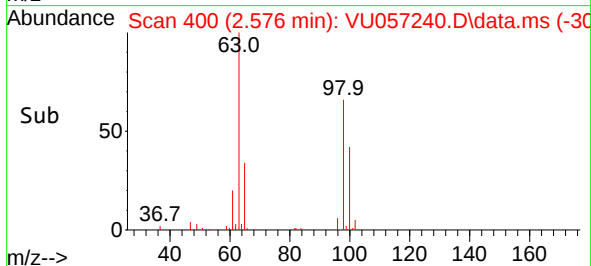
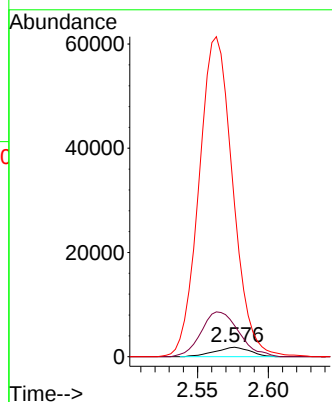
Instrument :

MSVOA\_U

ClientSampleId :



|          |        |       |        |
|----------|--------|-------|--------|
| Tgt Ion: | 96     | Resp: | 3132   |
| Ion      | Ratio  | Lower | Upper  |
| 96       | 100    |       |        |
| 61       | 329.1  | 119.6 | 222.0# |
| 63       | 1605.3 | 96.2  | 178.8# |



#19

1,1-Dichloroethane

Concen: 0.833 ug/L

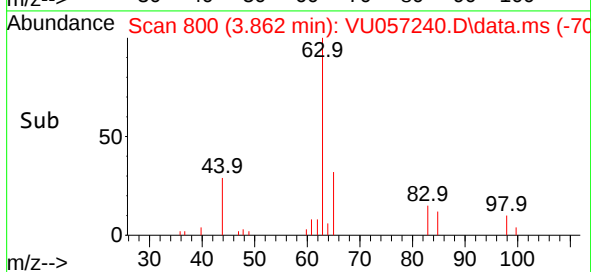
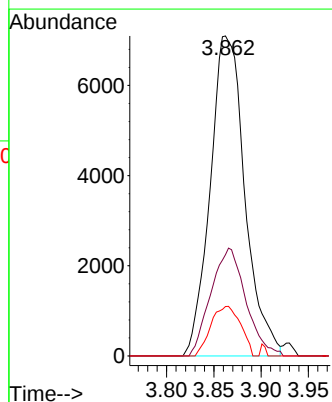
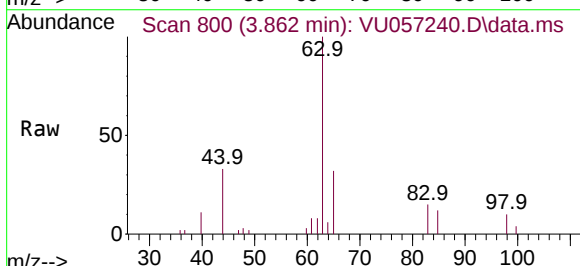
RT: 3.862 min Scan# 800

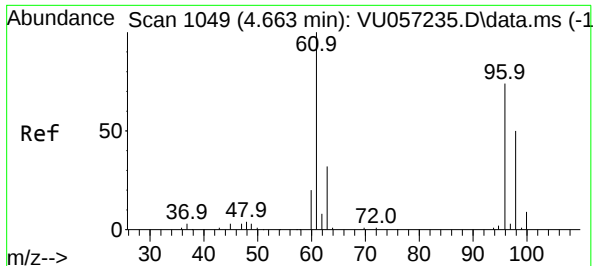
Delta R.T. -0.000 min

Lab File: VU057240.D

Acq: 26 Dec 2023 17:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 18121 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.7  | 21.6  | 40.2  |
| 83       | 15.4  | 10.2  | 19.0  |





#22

cis-1,2-Dichloroethene

Concen: 11.690 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU057240.D

Acq: 26 Dec 2023 17:33

Instrument :

MSVOA\_U

ClientSampleId :

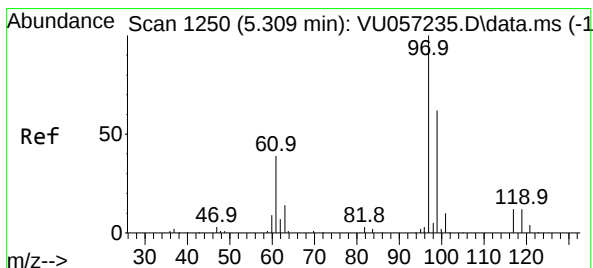
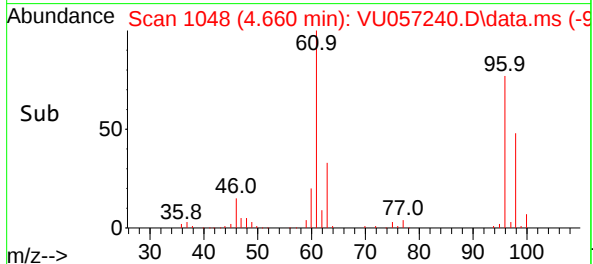
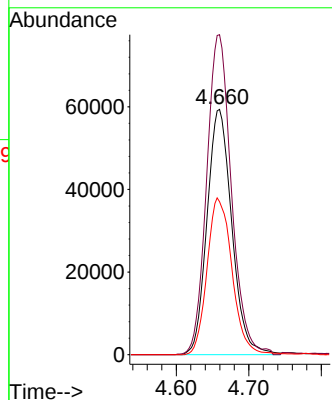
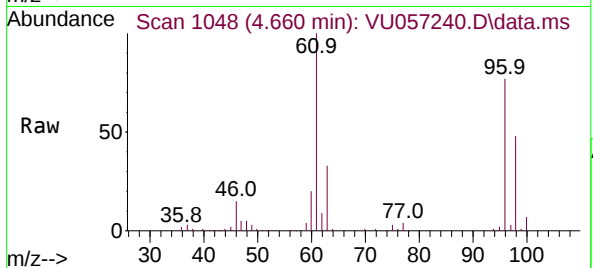
Tgt Ion: 96 Resp: 141108

Ion Ratio Lower Upper

96 100

61 130.5 86.8 161.2

98 62.4 45.5 84.5



#29

1,1,1-Trichloroethane

Concen: 0.291 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057240.D

Acq: 26 Dec 2023 17:33

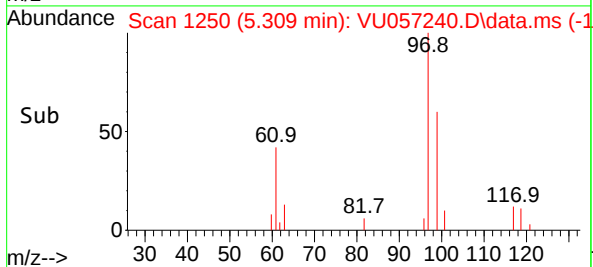
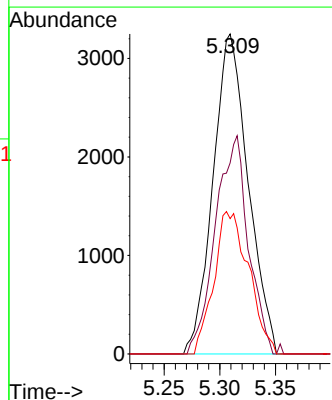
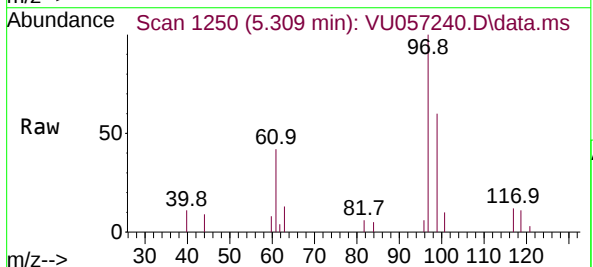
Tgt Ion: 97 Resp: 7139

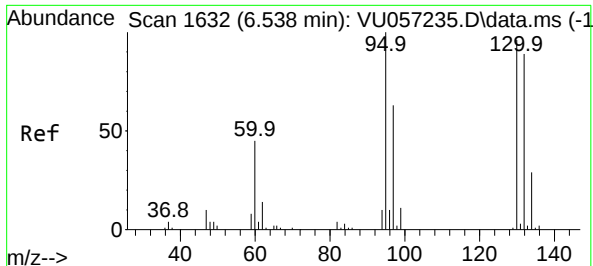
Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

61 44.0 32.5 48.7

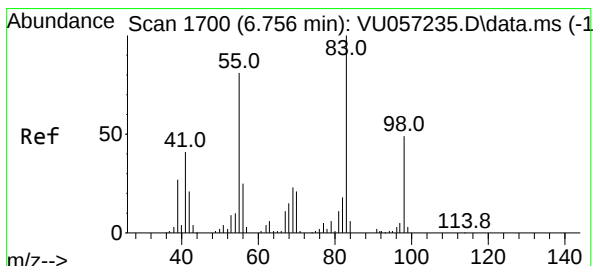
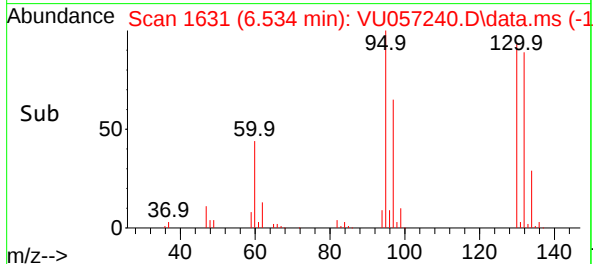
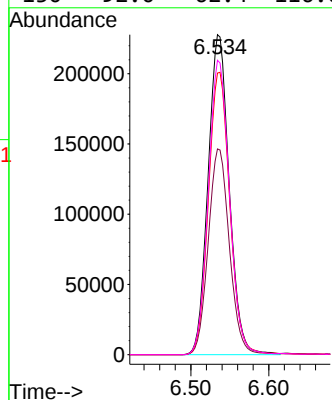
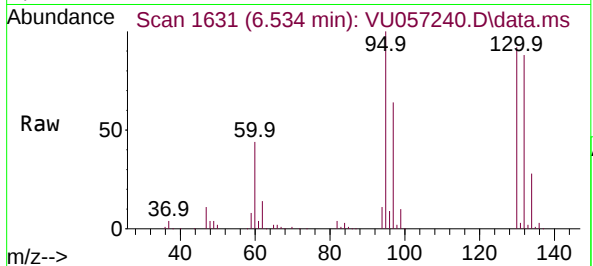




#34  
Trichloroethene  
Concen: 30.063 ug/L  
RT: 6.534 min Scan# 1632  
Delta R.T. -0.003 min  
Lab File: VU057240.D  
Acq: 26 Dec 2023 17:33

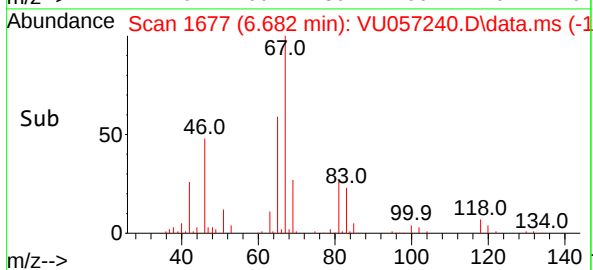
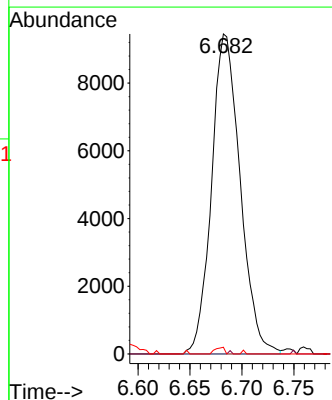
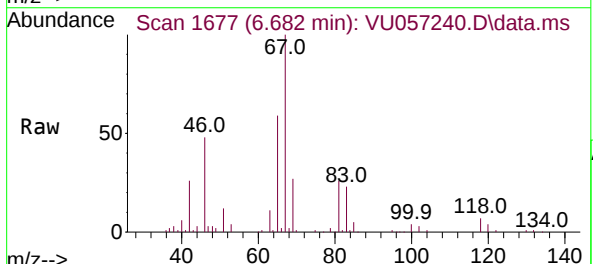
Instrument :  
MSVOA\_U  
ClientSampleId :

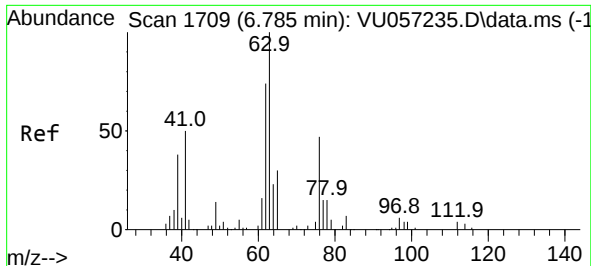
Tgt Ion: 95 Resp: 430270  
Ion Ratio Lower Upper  
95 100  
97 64.3 44.3 82.3  
132 88.0 62.6 116.2  
130 92.0 62.4 116.0



#35  
Methylcyclohexane  
Concen: 0.961 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.074 min  
Lab File: VU057240.D  
Acq: 26 Dec 2023 17:33

Tgt Ion: 83 Resp: 18099  
Ion Ratio Lower Upper  
83 100  
55 0.1 61.3 91.9#  
98 0.0 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.710 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU057240.D

Acq: 26 Dec 2023 17:33

Instrument :

MSVOA\_U

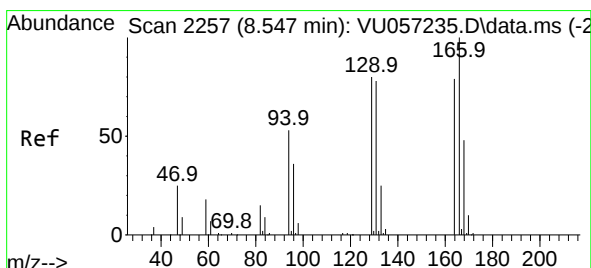
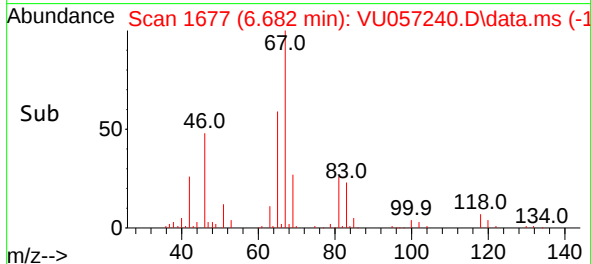
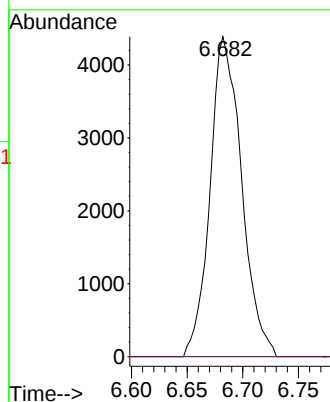
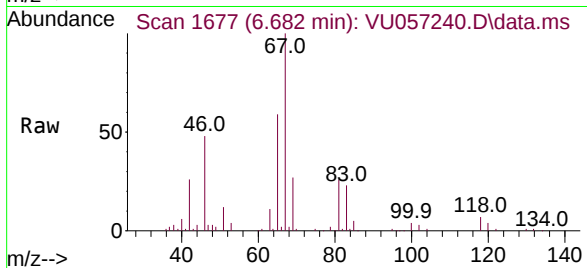
ClientSampleId :

Tgt Ion: 63 Resp: 8640

Ion Ratio Lower Upper

63 100

112 0.9 3.1 4.7#



#47

Tetrachloroethene

Concen: 0.205 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU057240.D

Acq: 26 Dec 2023 17:33

Tgt Ion:164 Resp: 2107

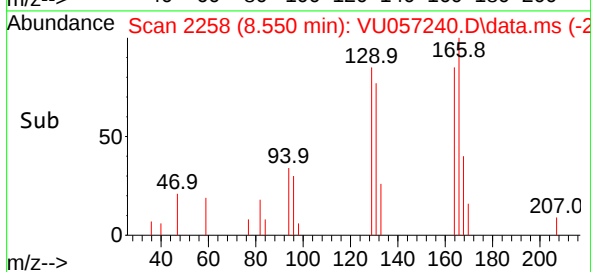
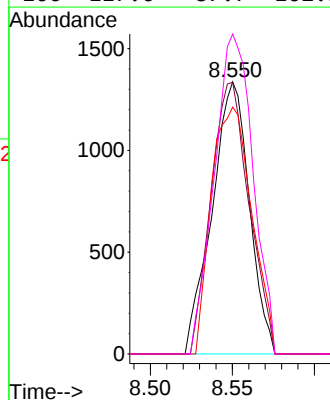
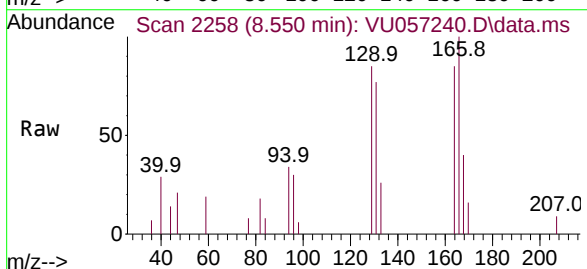
Ion Ratio Lower Upper

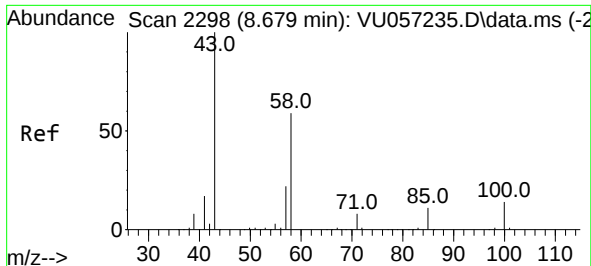
164 100

129 99.9 72.9 135.3

131 90.7 71.7 133.3

166 117.6 87.7 162.9

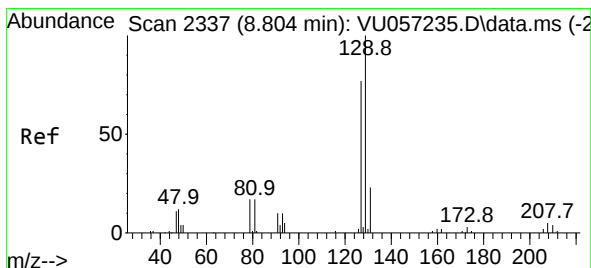
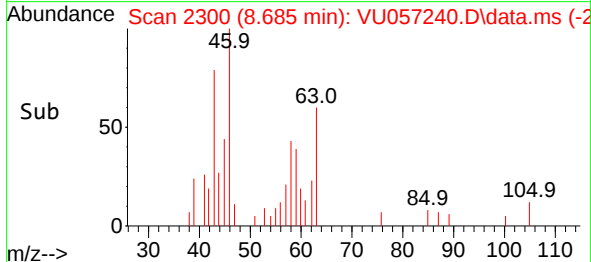
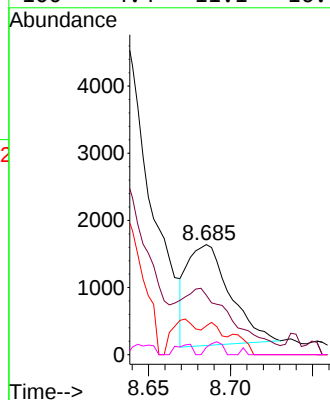
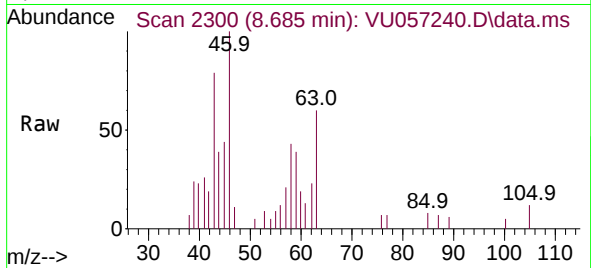




#48  
2-Hexanone  
Concen: 0.699 ug/L  
RT: 8.685 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU057240.D  
Acq: 26 Dec 2023 17:33

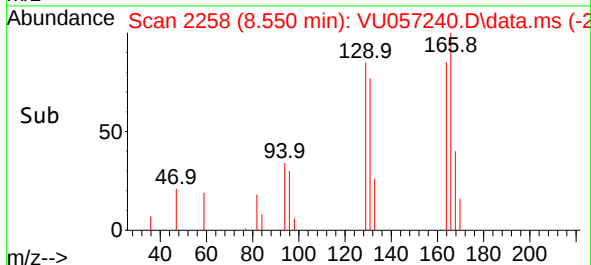
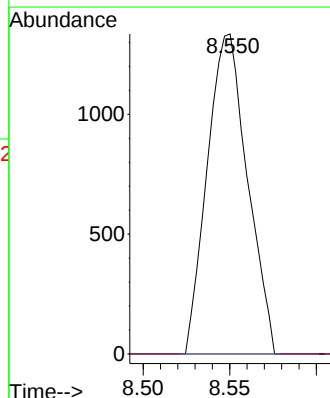
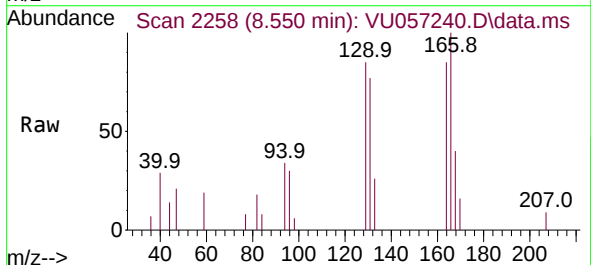
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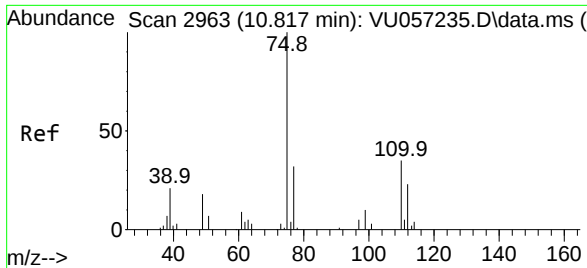
Tgt Ion: 43 Resp: 2723  
Ion Ratio Lower Upper  
43 100  
58 65.1 49.8 74.8  
57 0.0 18.5 27.7#  
100 4.4 11.1 16.7#



#49  
Dibromochloromethane  
Concen: 0.198 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.254 min  
Lab File: VU057240.D  
Acq: 26 Dec 2023 17:33

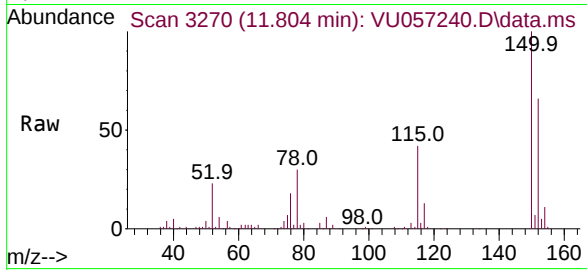
Tgt Ion:129 Resp: 2154  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.2 102.6#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.253 ug/L  
 RT: 11.804 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU057240.D  
 Acq: 26 Dec 2023 17:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 8275  
 Ion Ratio Lower Upper  
 75 100  
 110 0.3 31.2 46.8#  
 77 33.9 25.5 38.3

