

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012324\  
 Data File : VU057579.D  
 Acq On : 23 Jan 2024 19:56  
 Operator : MD/SY  
 Sample : P1228-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 24 01:08:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 24 00:56:55 2024  
 Response via : Initial Calibration

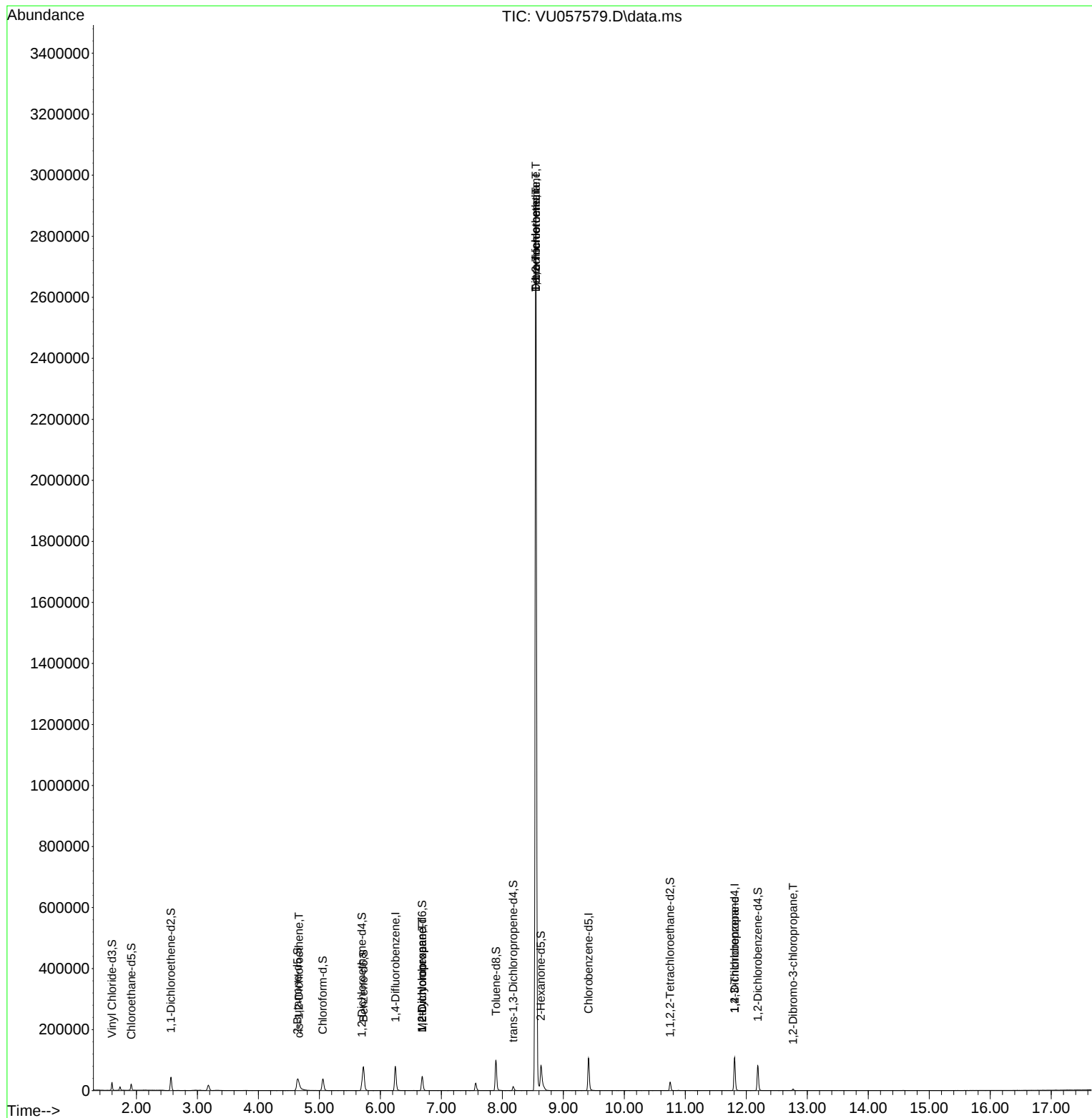
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 66485    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 59872    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 28967    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 17907    | 4.888    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 97.800%  |
| 7) Chloroethane-d5            | 1.914  | 69    | 14688    | 4.785    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 8568     | 4.974    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 99.400%  |
| 20) 2-Butanone-d5             | 4.641  | 46    | 37632    | 54.457   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.920% |
| 24) Chloroform-d              | 5.055  | 84    | 36640    | 4.928    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 17812    | 5.272    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.400% |
| 32) Benzene-d6                | 5.721  | 84    | 73822    | 5.256    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.200% |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 21925    | 5.176    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.600% |
| 41) Toluene-d8                | 7.894  | 98    | 69383    | 5.204    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.000% |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 8503     | 5.037    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 100.800% |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 28199    | 52.351   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 14685    | 5.172    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 21695    | 5.337    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 757      | 0.138    | ug/L # | 59       |
| 35) Methylcyclohexane         | 6.685  | 83    | 5125     | 0.560    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 2514     | 0.489    | ug/L # | 89       |
| 45) 1,1,2-Trichloroethane     | 8.547  | 97    | 5921     | 1.772    | ug/L # | 8        |
| 47) Tetrachloroethene         | 8.547  | 164   | 602166   | 144.739  | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.547  | 129   | 615147   | 142.157  | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 3719     | 1.279    | ug/L # | 64       |
| 68) 1,2-Dibromo-3-chloropr... | 12.766 | 75    | 126      | 0.230    | ug/L # | 5        |
| -----                         |        |       |          |          |        |          |

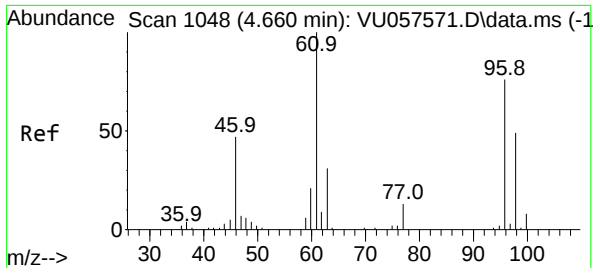
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jan 24 00:56:55 2024  
Response via : Initial Calibration





#22

cis-1,2-Dichloroethene

Concen: 0.138 ug/L

RT: 4.663 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057579.D

Acq: 23 Jan 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :

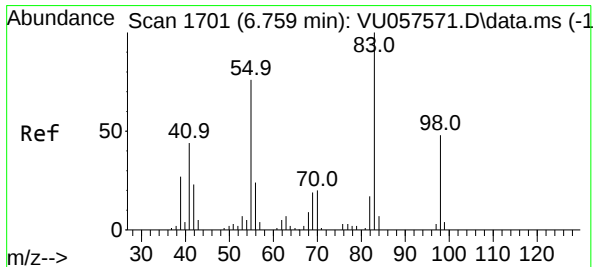
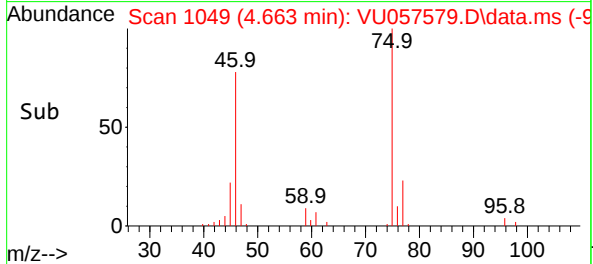
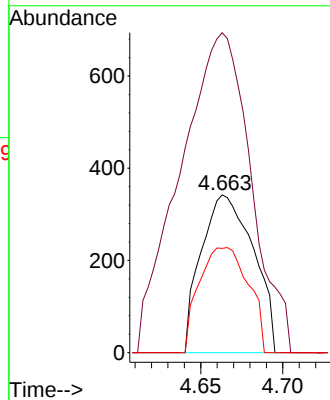
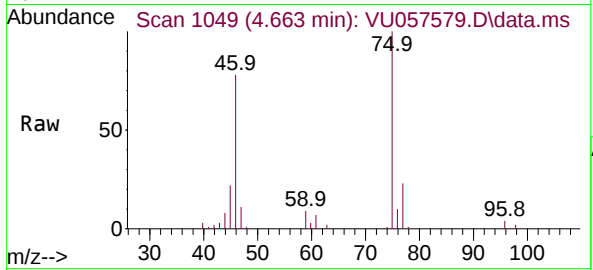
Tgt Ion: 96 Resp: 757

Ion Ratio Lower Upper

96 100

61 202.9 92.7 172.1#

98 66.1 44.9 83.5



#35

Methylcyclohexane

Concen: 0.560 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU057579.D

Acq: 23 Jan 2024 19:56

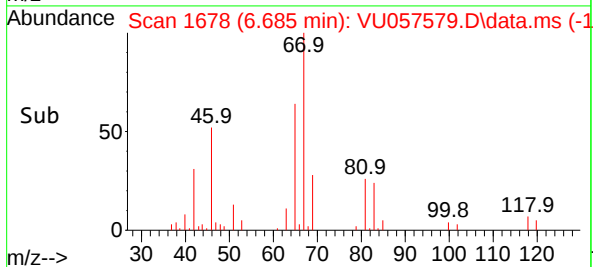
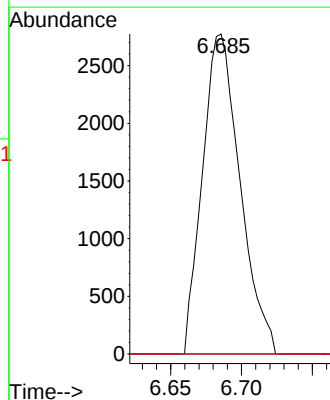
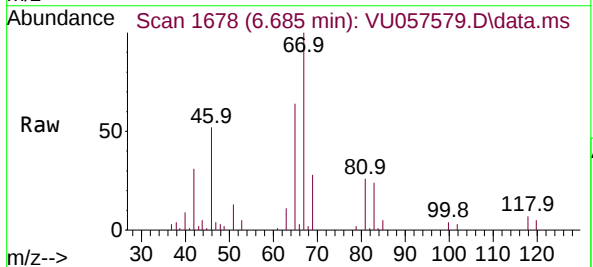
Tgt Ion: 83 Resp: 5125

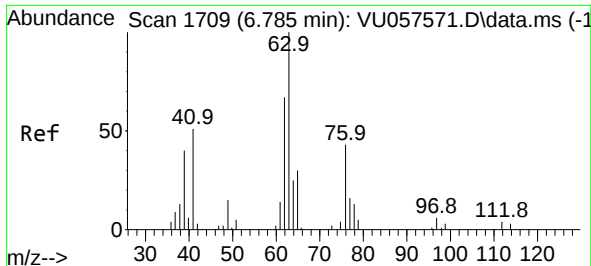
Ion Ratio Lower Upper

83 100

55 0.0 61.4 92.0#

98 0.0 38.2 57.4#

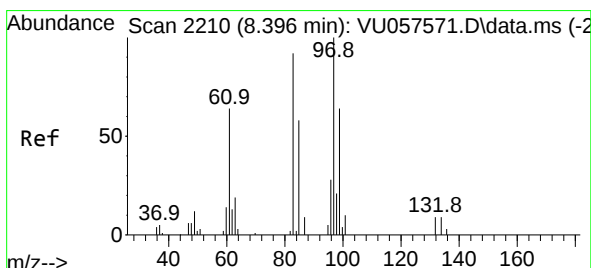
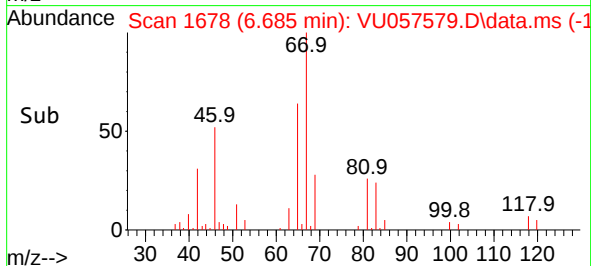
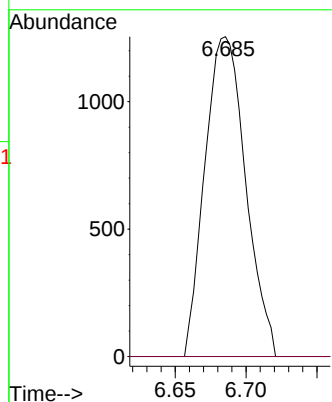
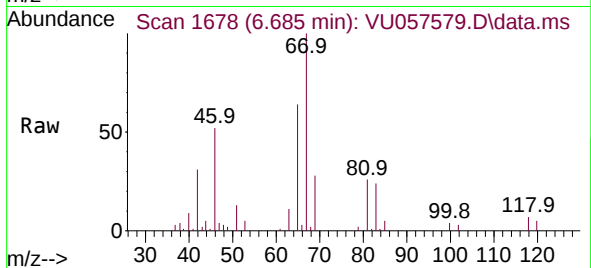




#37  
1,2-Dichloropropane  
Concen: 0.489 ug/L  
RT: 6.685 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU057579.D  
Acq: 23 Jan 2024 19:56

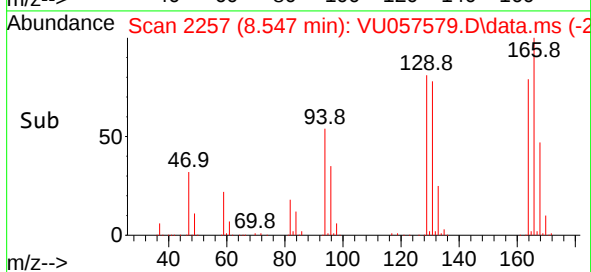
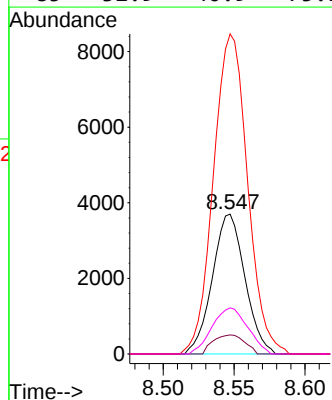
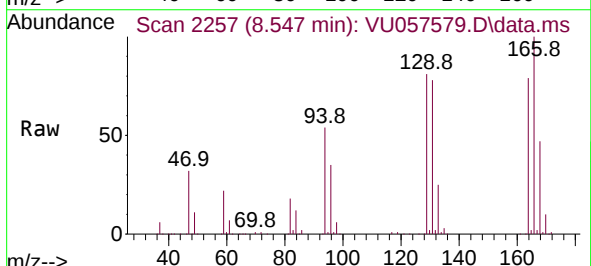
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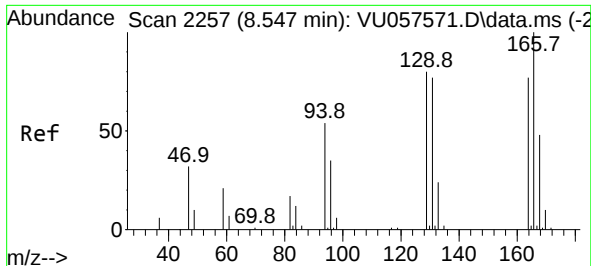
Tgt Ion: 63 Resp: 2514  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#



#45  
1,1,2-Trichloroethane  
Concen: 1.772 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.151 min  
Lab File: VU057579.D  
Acq: 23 Jan 2024 19:56

Tgt Ion: 97 Resp: 5921  
Ion Ratio Lower Upper  
97 100  
99 13.6 45.1 83.7#  
83 228.7 62.3 115.7#  
85 32.9 40.9 75.9#



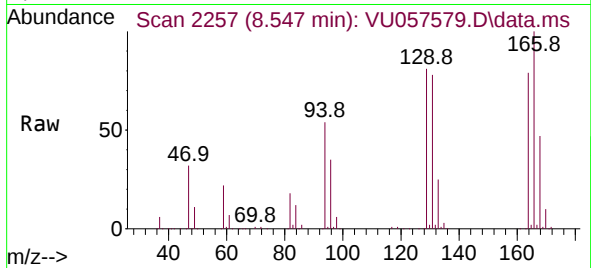


#47  
Tetrachloroethene  
Concen: 144.739 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU057579.D  
Acq: 23 Jan 2024 19:56

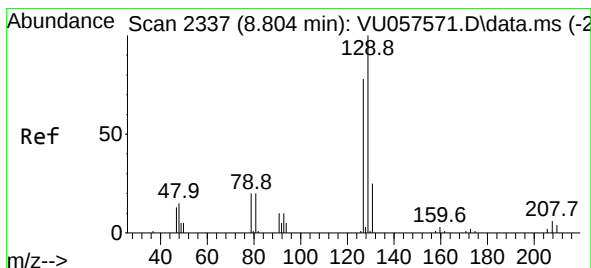
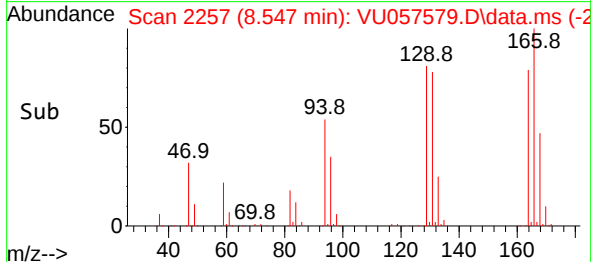
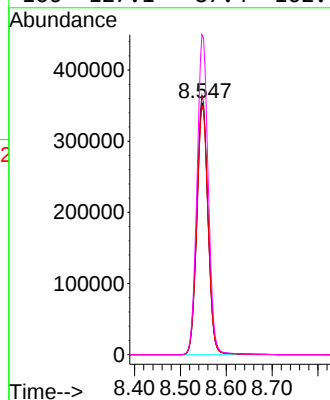
Instrument :

MSVOA\_U

ClientSampleId :

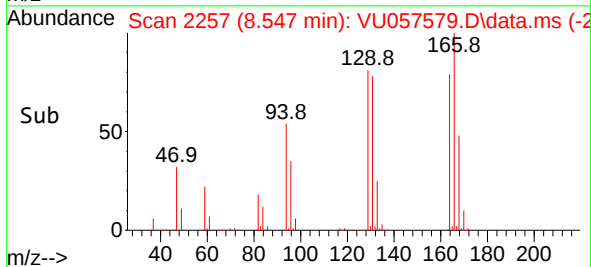
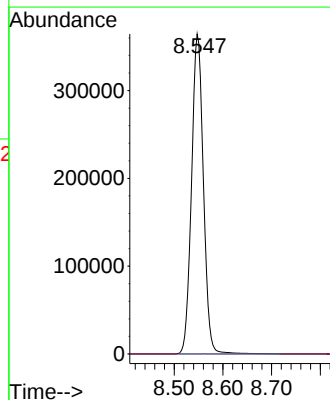
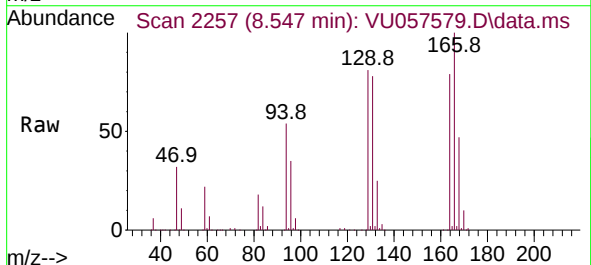


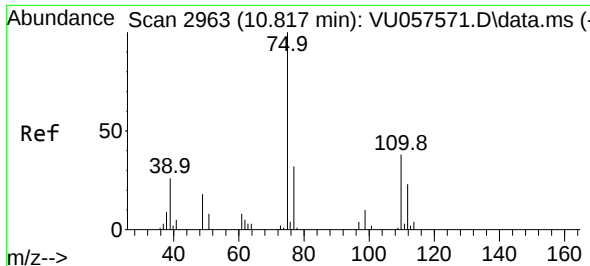
Tgt Ion:164 Resp: 602166  
Ion Ratio Lower Upper  
164 100  
129 103.1 71.3 132.5  
131 98.6 68.1 126.5  
166 127.1 87.4 162.4



#49  
Dibromochloromethane  
Concen: 142.157 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.257 min  
Lab File: VU057579.D  
Acq: 23 Jan 2024 19:56

Tgt Ion:129 Resp: 615147  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.5 101.1#

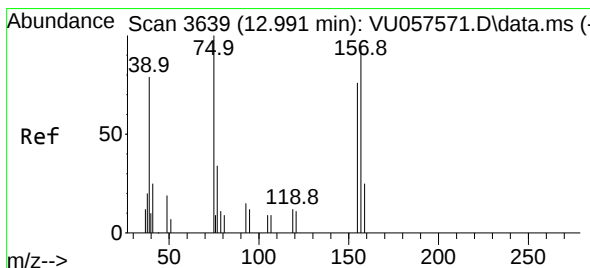
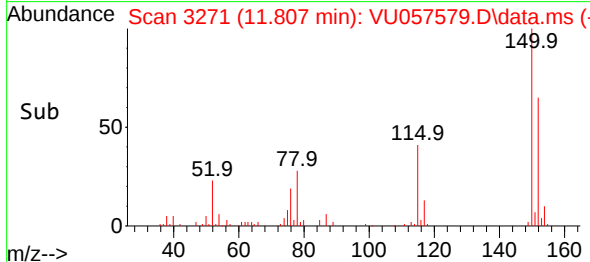
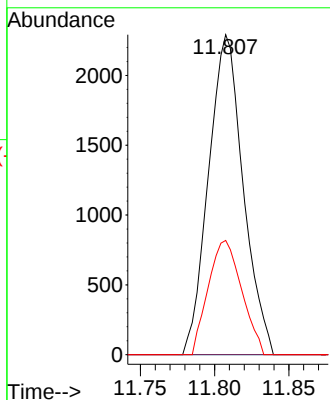
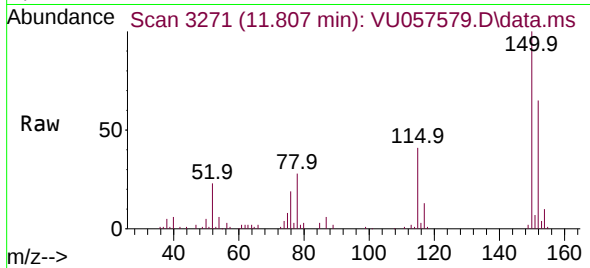




#61  
1,2,3-Trichloropropane  
Concen: 1.279 ug/L  
RT: 11.807 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU057579.D  
Acq: 23 Jan 2024 19:56

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Tgt Ion: 75 Resp: 3719  
Ion Ratio Lower Upper  
75 100  
110 0.0 30.1 45.1#  
77 34.4 25.5 38.3



#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.230 ug/L  
RT: 12.766 min Scan# 3569  
Delta R.T. -0.225 min  
Lab File: VU057579.D  
Acq: 23 Jan 2024 19:56

Tgt Ion: 75 Resp: 126  
Ion Ratio Lower Upper  
75 100  
155 0.0 62.8 94.2#  
157 0.0 78.9 118.3#

