

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121823\  
 Data File : VU057026.D  
 Acq On : 19 Dec 2023 05:20  
 Operator : MD/SY  
 Sample : 05843-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 19 06:11:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 19 02:36:03 2023  
 Response via : Initial Calibration

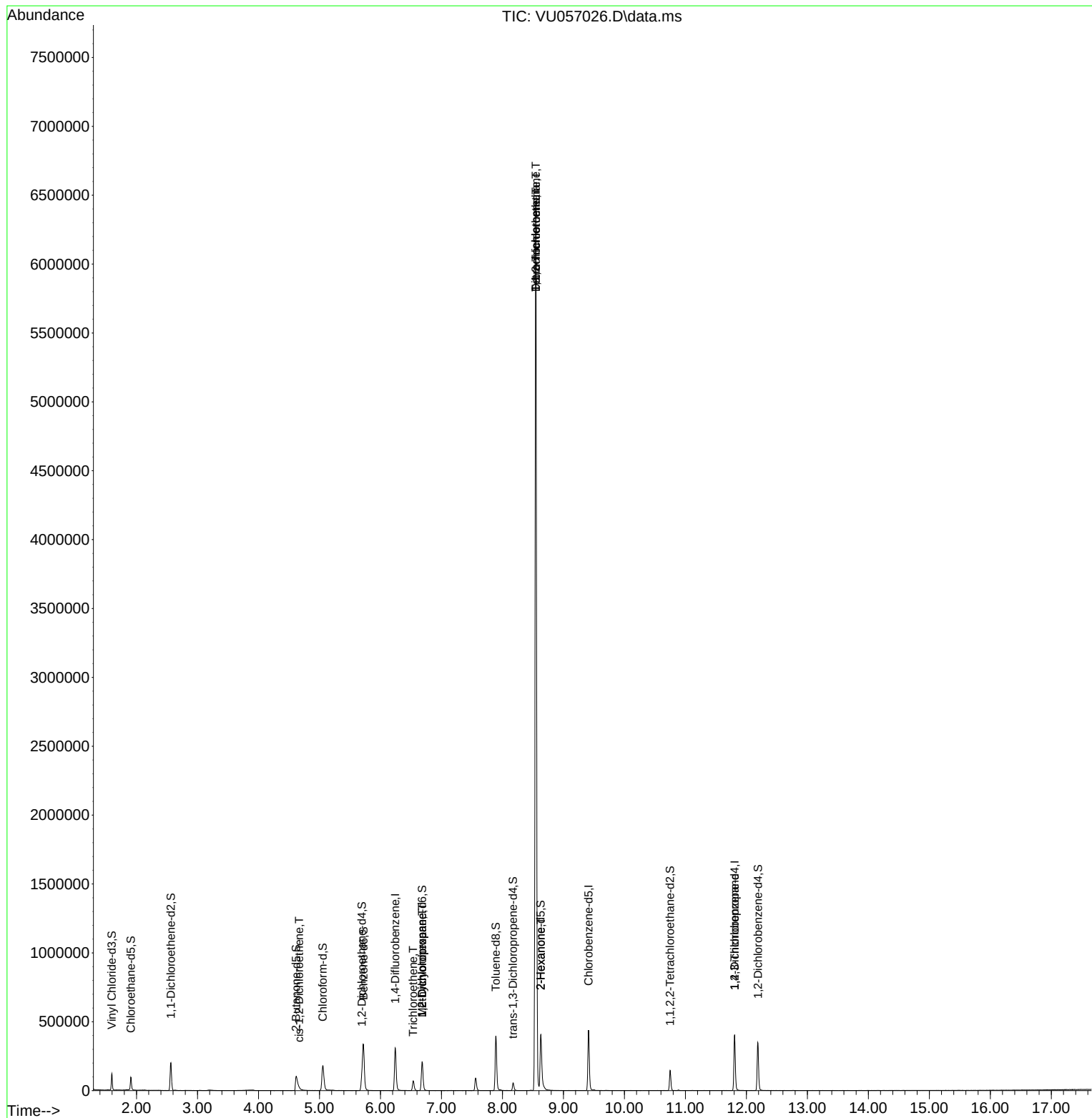
| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114            | 254395   | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 249428   | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 107547   | 5.000  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 84846    | 3.891  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 77.800% |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 67935    | 4.163  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 83.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 38733    | 4.152  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 83.000% |          |
| 20) 2-Butanone-d5             | 4.618  | 46             | 169966   | 39.469 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 78.940% |          |
| 24) Chloroform-d              | 5.055  | 84             | 173446   | 4.200  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 77794    | 3.981  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 79.600% |          |
| 32) Benzene-d6                | 5.721  | 84             | 325912   | 4.213  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67             | 103174   | 4.261  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 85.200% |          |
| 41) Toluene-d8                | 7.891  | 98             | 270553   | 3.913  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 78.200% |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79             | 33630    | 3.581  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 71.600% |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 140692   | 39.723 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 79.440% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84             | 73156    | 4.176  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 83.600% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 93954    | 4.444  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 88.800% |          |
| Target Compounds              |        |                |          |        |         |          |
|                               |        |                |          |        | Qvalue  |          |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96             | 4275     | 0.188  | ug/L    | 98       |
| 34) Trichloroethene           | 6.537  | 95             | 27049    | 1.125  | ug/L    | 97       |
| 35) Methylcyclohexane         | 6.682  | 83             | 24149    | 0.681  | ug/L #  | 17       |
| 37) 1,2-Dichloropropane       | 6.682  | 63             | 11567    | 0.516  | ug/L #  | 88       |
| 45) 1,1,2-Trichloroethane     | 8.547  | 97             | 12883    | 0.850  | ug/L #  | 1        |
| 47) Tetrachloroethene         | 8.547  | 164            | 1371154  | 81.478 | ug/L    | 98       |
| 48) 2-Hexanone                | 8.631  | 43             | 18649    | 2.459  | ug/L #  | 79       |
| 49) Dibromochloromethane      | 8.547  | 129            | 1412162  | 81.041 | ug/L #  | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 13166    | 1.140  | ug/L #  | 67       |

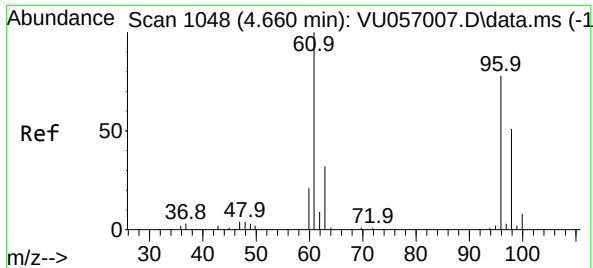
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Dec 19 02:36:03 2023  
Response via : Initial Calibration





#22

cis-1,2-Dichloroethene

Concen: 0.188 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU057026.D

Acq: 19 Dec 2023 05:20

Instrument :

MSVOA\_U

ClientSampleId :

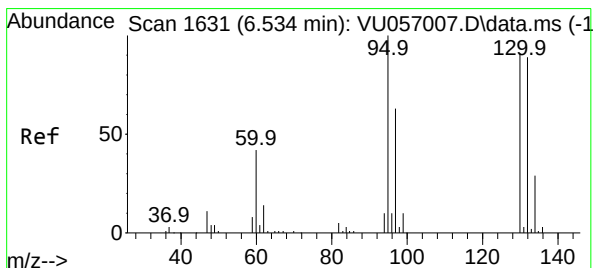
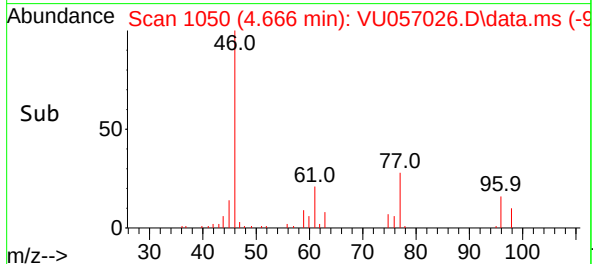
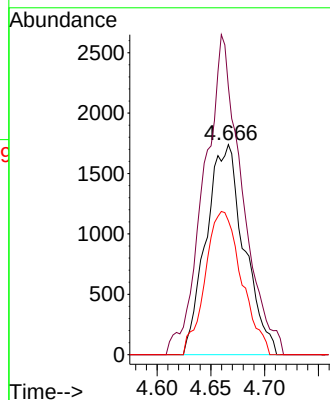
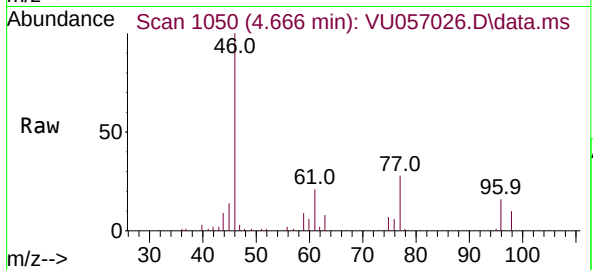
Tgt Ion: 96 Resp: 4275

Ion Ratio Lower Upper

96 100

61 127.5 91.3 169.6

98 63.8 44.2 82.0



#34

Trichloroethene

Concen: 1.125 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. 0.003 min

Lab File: VU057026.D

Acq: 19 Dec 2023 05:20

Tgt Ion: 95 Resp: 27049

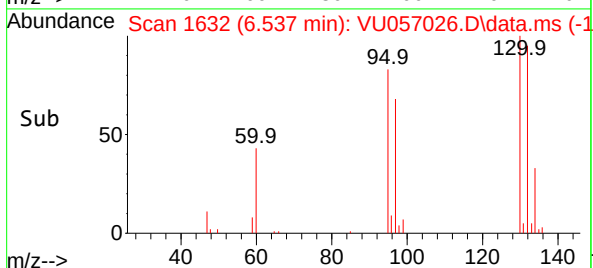
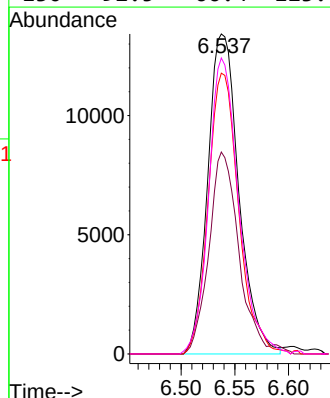
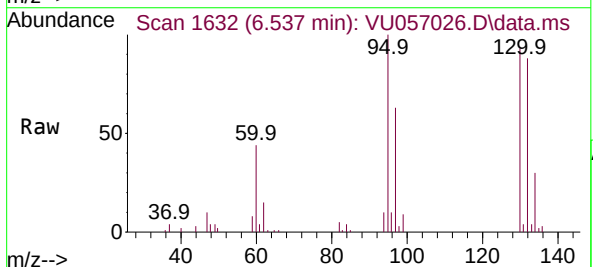
Ion Ratio Lower Upper

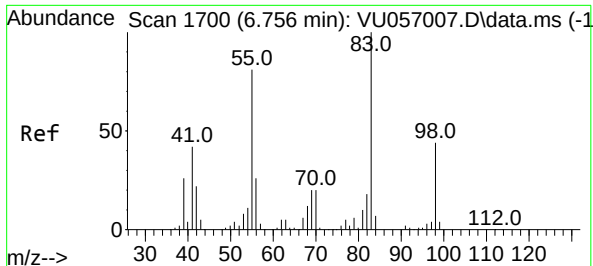
95 100

97 63.1 46.1 85.5

132 87.8 63.6 118.0

130 92.5 66.4 123.4

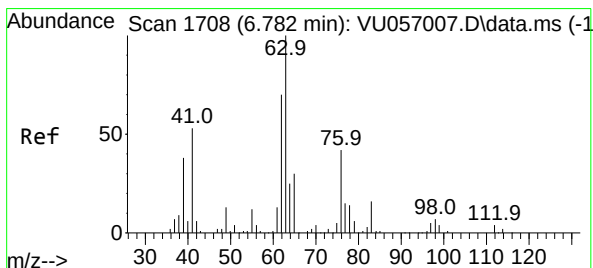
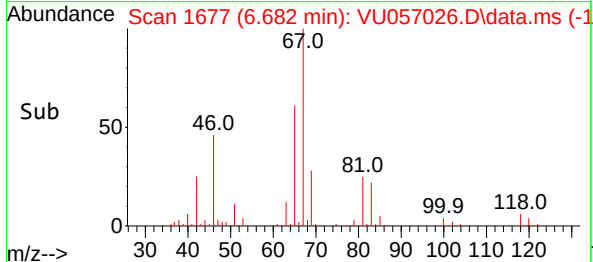
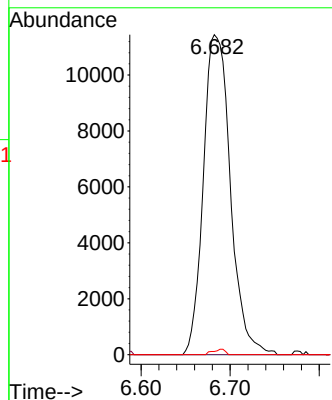
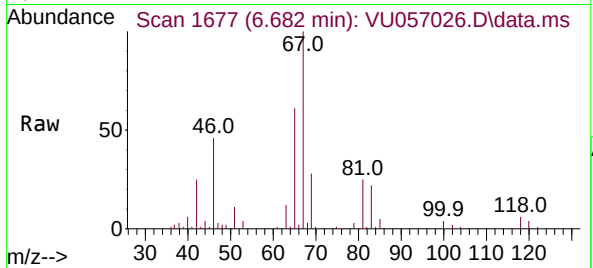




#35  
Methylcyclohexane  
Concen: 0.681 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.074 min  
Lab File: VU057026.D  
Acq: 19 Dec 2023 05:20

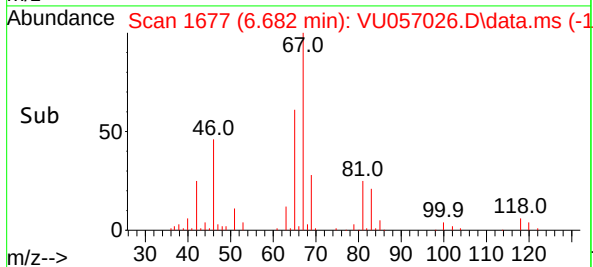
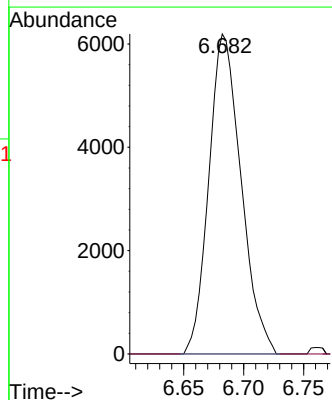
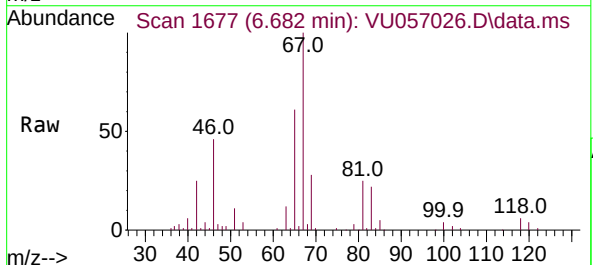
Instrument :  
MSVOA\_U  
ClientSampleId :

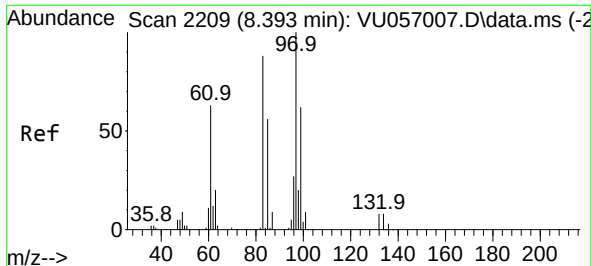
Tgt Ion: 83 Resp: 24149  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.6 97.0#  
98 0.8 36.1 54.1#



#37  
1,2-Dichloropropane  
Concen: 0.516 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.100 min  
Lab File: VU057026.D  
Acq: 19 Dec 2023 05:20

Tgt Ion: 63 Resp: 11567  
Ion Ratio Lower Upper  
63 100  
112 0.2 3.3 4.9#

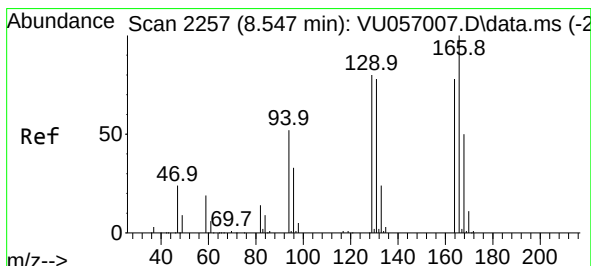
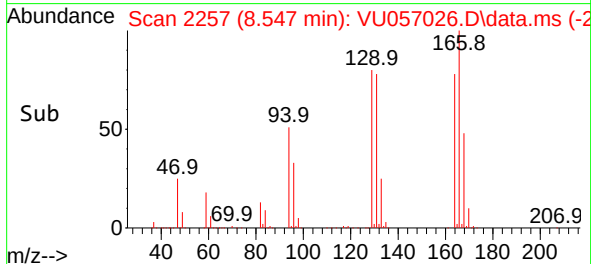
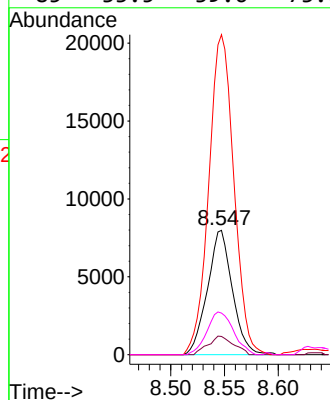
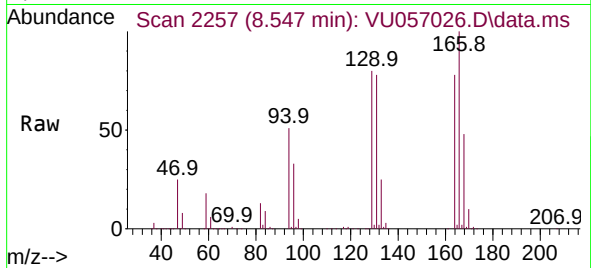




#45  
1,1,2-Trichloroethane  
Concen: 0.850 ug/L  
RT: 8.547 min Scan# 21  
Delta R.T. 0.154 min  
Lab File: VU057026.D  
Acq: 19 Dec 2023 05:20

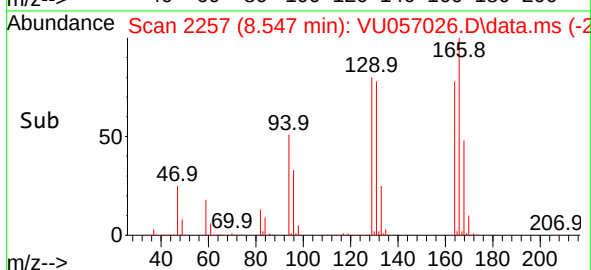
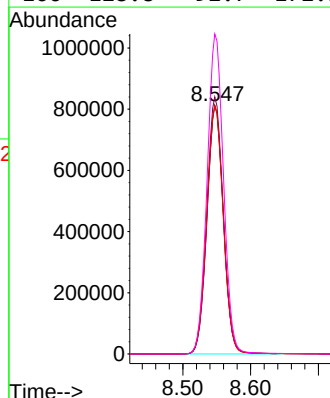
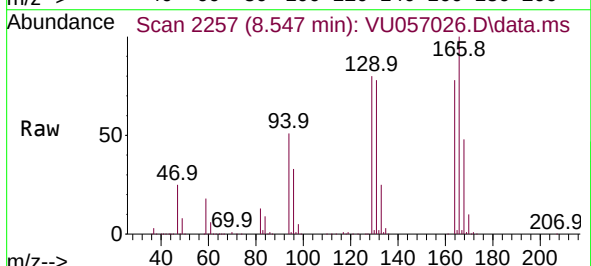
Instrument :  
MSVOA\_U  
ClientSampleId :

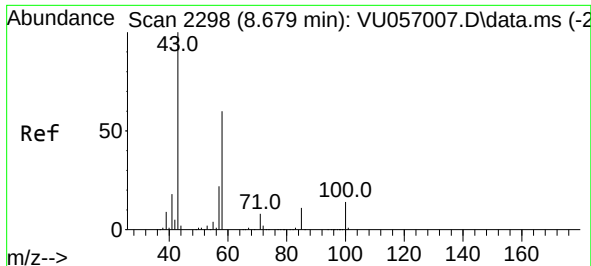
Tgt Ion: 97 Resp: 12883  
Ion Ratio Lower Upper  
97 100  
99 14.7 41.9 77.9#  
83 257.3 59.1 109.7#  
85 33.5 39.6 73.6#



#47  
Tetrachloroethene  
Concen: 81.478 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU057026.D  
Acq: 19 Dec 2023 05:20

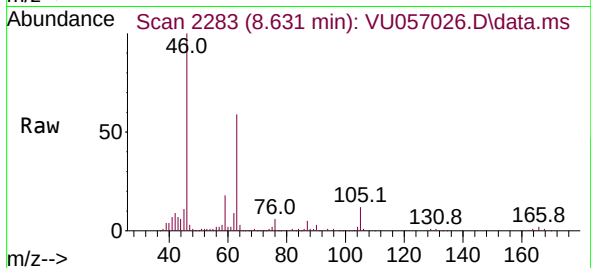
Tgt Ion:164 Resp: 1371154  
Ion Ratio Lower Upper  
164 100  
129 103.5 73.4 136.4  
131 99.9 71.5 132.9  
166 128.8 92.7 172.1



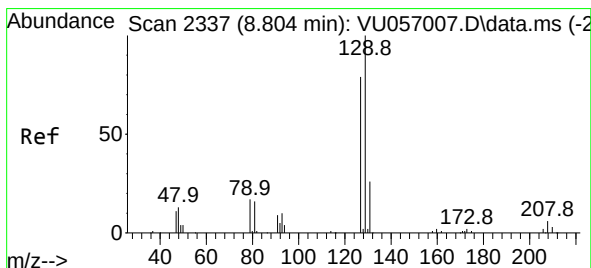
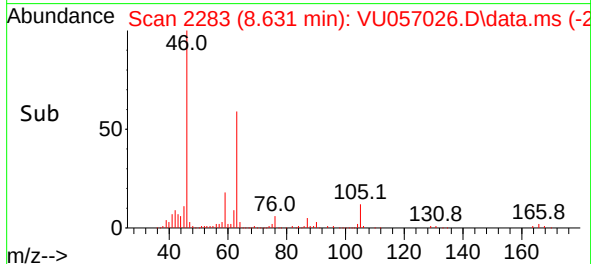
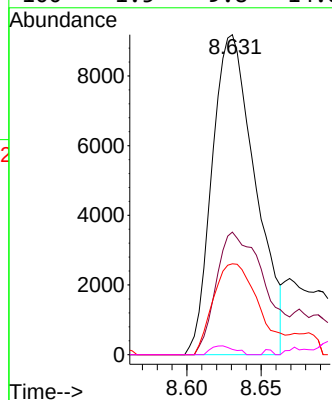


#48  
2-Hexanone  
Concen: 2.459 ug/L  
RT: 8.631 min Scan# 21  
Delta R.T. -0.048 min  
Lab File: VU057026.D  
Acq: 19 Dec 2023 05:20

Instrument :  
MSVOA\_U  
ClientSampleId :

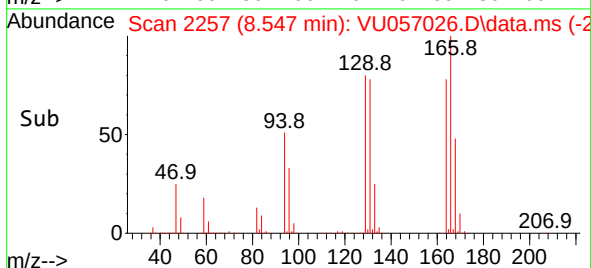
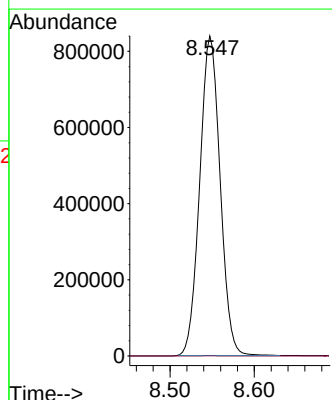
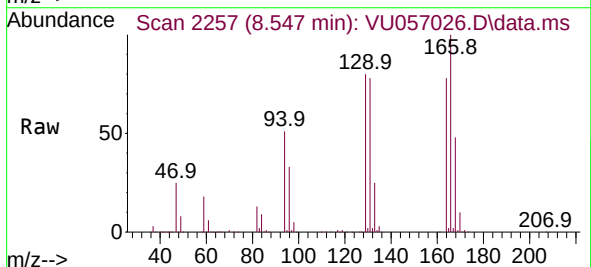


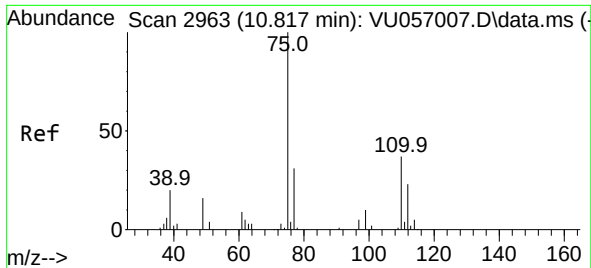
Tgt Ion: 43 Resp: 18649  
Ion Ratio Lower Upper  
43 100  
58 43.5 47.5 71.3#  
57 29.8 17.0 25.4#  
100 1.5 9.8 14.8#



#49  
Dibromochloromethane  
Concen: 81.041 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.257 min  
Lab File: VU057026.D  
Acq: 19 Dec 2023 05:20

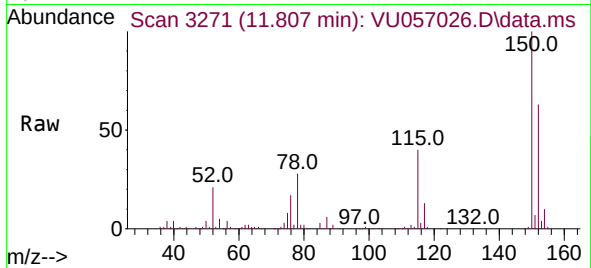
Tgt Ion: 129 Resp: 1412162  
Ion Ratio Lower Upper  
129 100  
127 0.1 53.9 100.1#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.140 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU057026.D  
 Acq: 19 Dec 2023 05:20

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 MSVOA\_U  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 0.9   | 28.4  | 42.6# |
| 77      | 30.7  | 26.3  | 39.5  |

