

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121823\  
 Data File : VU056991.D  
 Acq On : 18 Dec 2023 14:18  
 Operator : MD/SY  
 Sample : VIBLK  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 19 01:40:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 19 01:20:32 2023  
 Response via : Initial Calibration

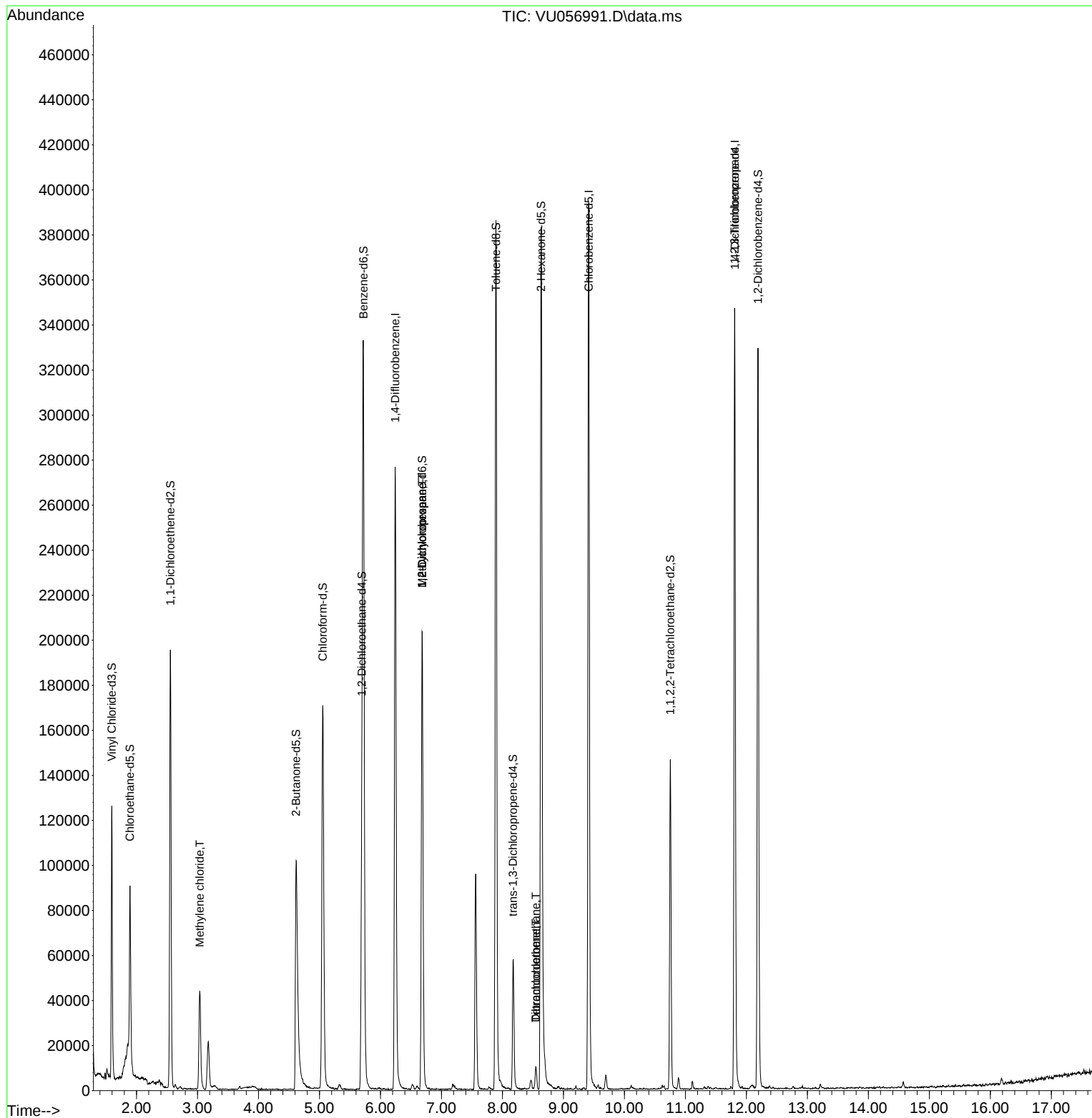
| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114            | 221045   | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 228249   | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152            | 91591    | 5.000  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 90974    | 4.801  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 96.000% |          |
| 7) Chloroethane-d5            | 1.891  | 69             | 52452    | 3.699  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 74.000% |          |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65             | 39353    | 4.854  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 97.000% |          |
| 20) 2-Butanone-d5             | 4.618  | 46             | 161543   | 43.173 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 86.340% |          |
| 24) Chloroform-d              | 5.055  | 84             | 165413   | 4.610  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 92.200% |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 82645    | 4.868  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.400% |          |
| 32) Benzene-d6                | 5.721  | 84             | 314704   | 4.445  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.000% |          |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67             | 97676    | 4.408  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 88.200% |          |
| 41) Toluene-d8                | 7.894  | 98             | 269241   | 4.255  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 85.200% |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79             | 34923    | 4.064  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 81.200% |          |
| 46) 2-Hexanone-d5             | 8.634  | 63             | 140745   | 43.426 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 86.860% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 74534    | 4.649  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 93.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 86349    | 4.796  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 96.000% |          |
| Target Compounds              |        |                |          |        |         |          |
| 16) Methylene chloride        | 3.036  | 84             | 23649    | 1.210  | ug/L    | 99       |
| 35) Methylcyclohexane         | 6.682  | 83             | 22776    | 0.701  | ug/L #  | 17       |
| 37) 1,2-Dichloropropane       | 6.682  | 63             | 10621    | 0.518  | ug/L #  | 89       |
| 47) Tetrachloroethene         | 8.547  | 164            | 2059     | 0.134  | ug/L    | 90       |
| 49) Dibromochloromethane      | 8.550  | 129            | 2500     | 0.157  | ug/L #  | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 11521    | 1.171  | ug/L #  | 69       |

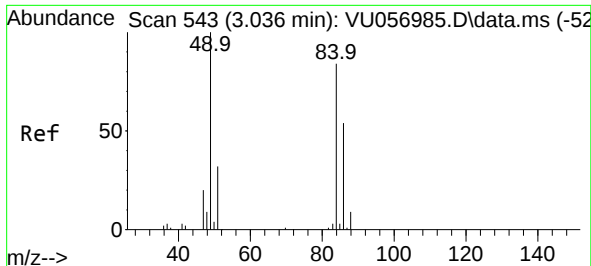
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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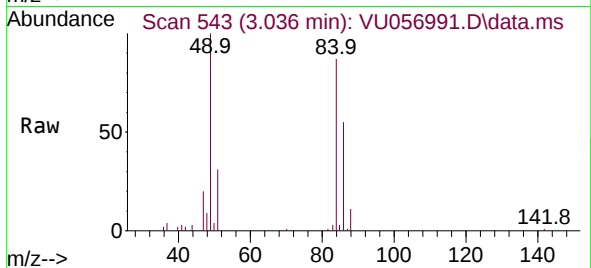
Quant Time: Dec 19 01:40:33 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
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QLast Update : Tue Dec 19 01:20:32 2023  
Response via : Initial Calibration



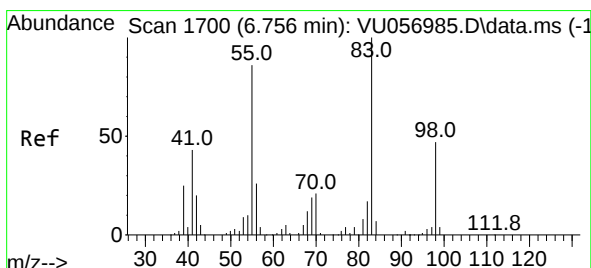
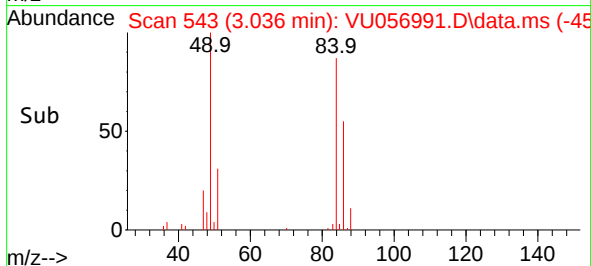
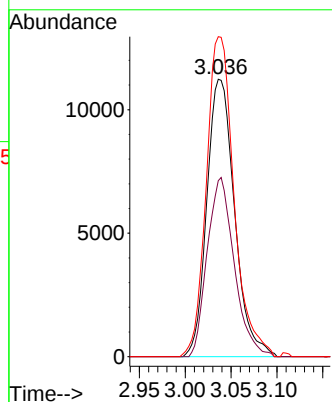


#16  
Methylene chloride  
Concen: 1.210 ug/L  
RT: 3.036 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VU056991.D  
Acq: 18 Dec 2023 14:18

Instrument :  
MSVOA\_U  
ClientSampleId :

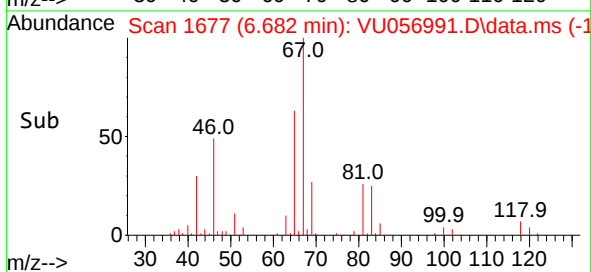
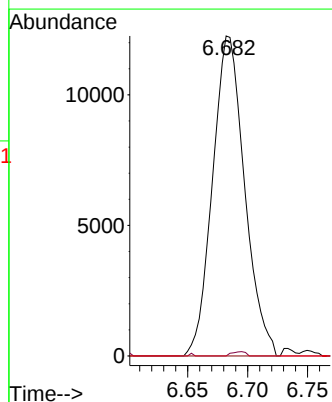
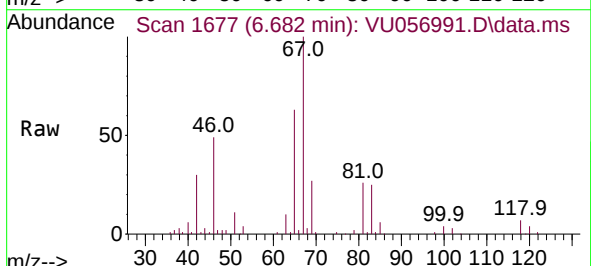


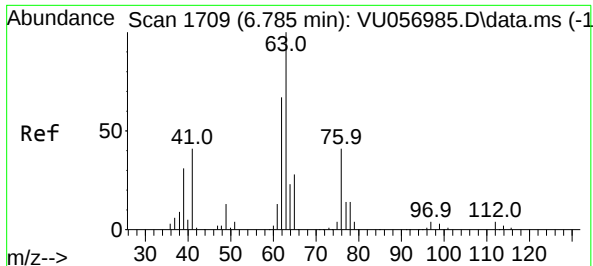
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 23649 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 63.5  | 43.6  | 81.0  |
| 49       | 115.3 | 80.6  | 149.6 |



#35  
Methylcyclohexane  
Concen: 0.701 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.074 min  
Lab File: VU056991.D  
Acq: 18 Dec 2023 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 22776 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.6   | 64.6  | 97.0# |
| 98       | 0.0   | 36.1  | 54.1# |





#37

1,2-Dichloropropane

Concen: 0.518 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU056991.D

Acq: 18 Dec 2023 14:18

Instrument :

MSVOA\_U

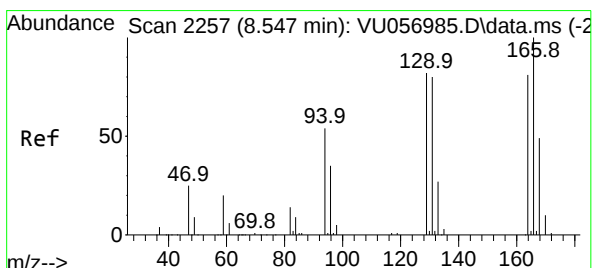
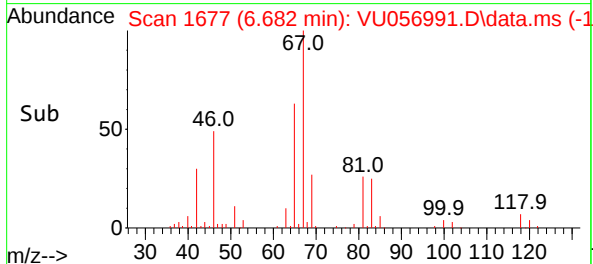
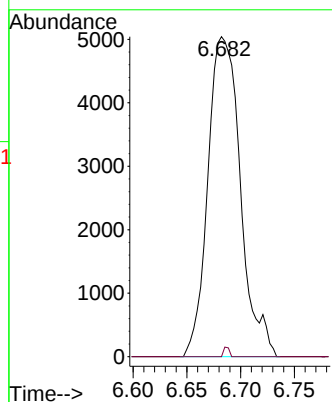
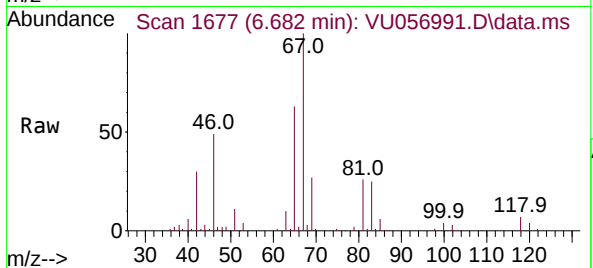
ClientSampleId :

Tgt Ion: 63 Resp: 10621

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#47

Tetrachloroethene

Concen: 0.134 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU056991.D

Acq: 18 Dec 2023 14:18

Tgt Ion: 164 Resp: 2059

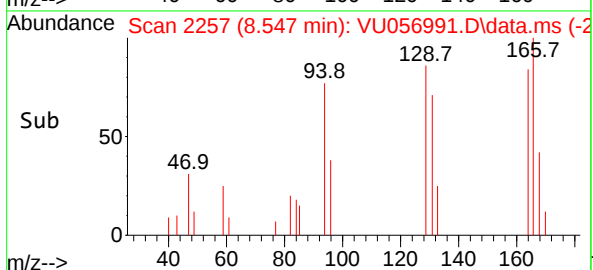
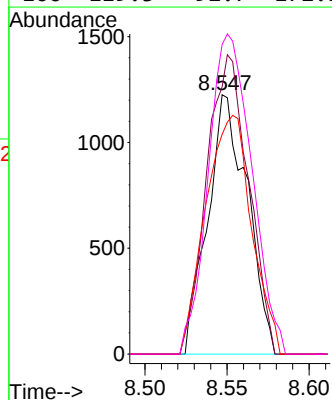
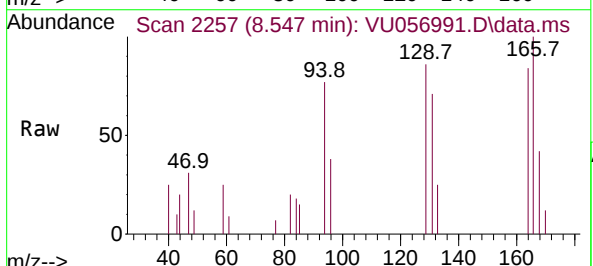
Ion Ratio Lower Upper

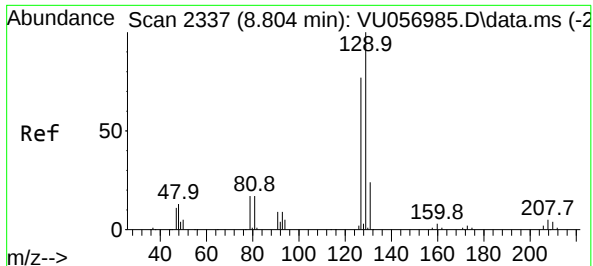
164 100

129 103.0 73.4 136.4

131 84.7 71.5 132.9

166 119.3 92.7 172.1





#49

Dibromochloromethane

Concen: 0.157 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU056991.D

Acq: 18 Dec 2023 14:18

Instrument :

MSVOA\_U

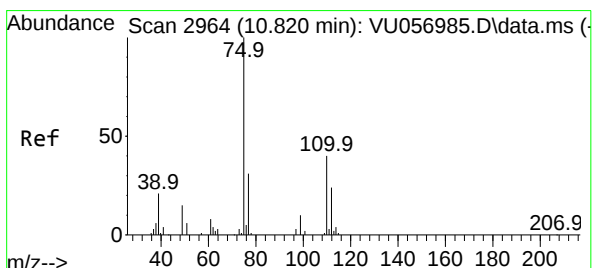
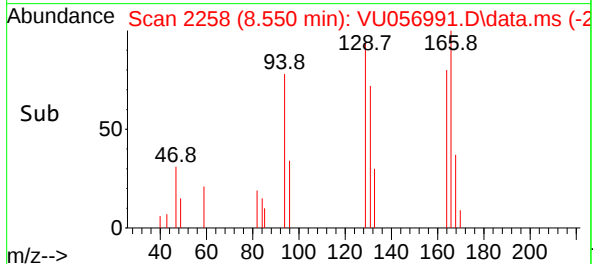
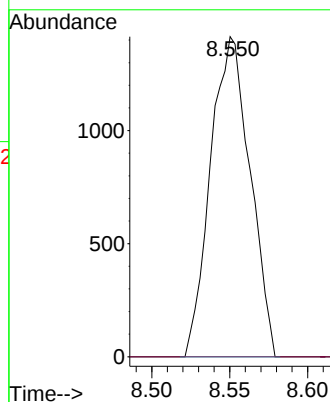
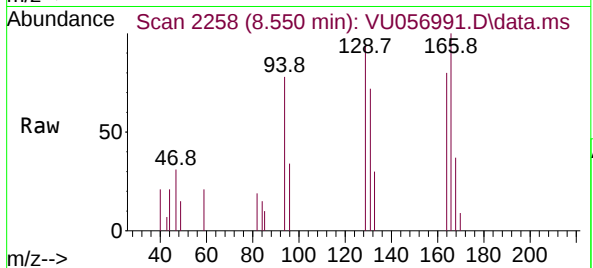
ClientSampleId :

Tgt Ion:129 Resp: 2500

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.171 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.987 min

Lab File: VU056991.D

Acq: 18 Dec 2023 14:18

Tgt Ion: 75 Resp: 11521

Ion Ratio Lower Upper

75 100

110 2.8 28.4 42.6#

77 30.1 26.3 39.5

