

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070524\  
 Data File : VU059854.D  
 Acq On : 05 Jul 2024 12:11  
 Operator : MD/SY  
 Sample : P3136-01DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0BE5DL

Quant Time: Jul 06 03:03:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jul 06 02:59:52 2024  
 Response via : Initial Calibration

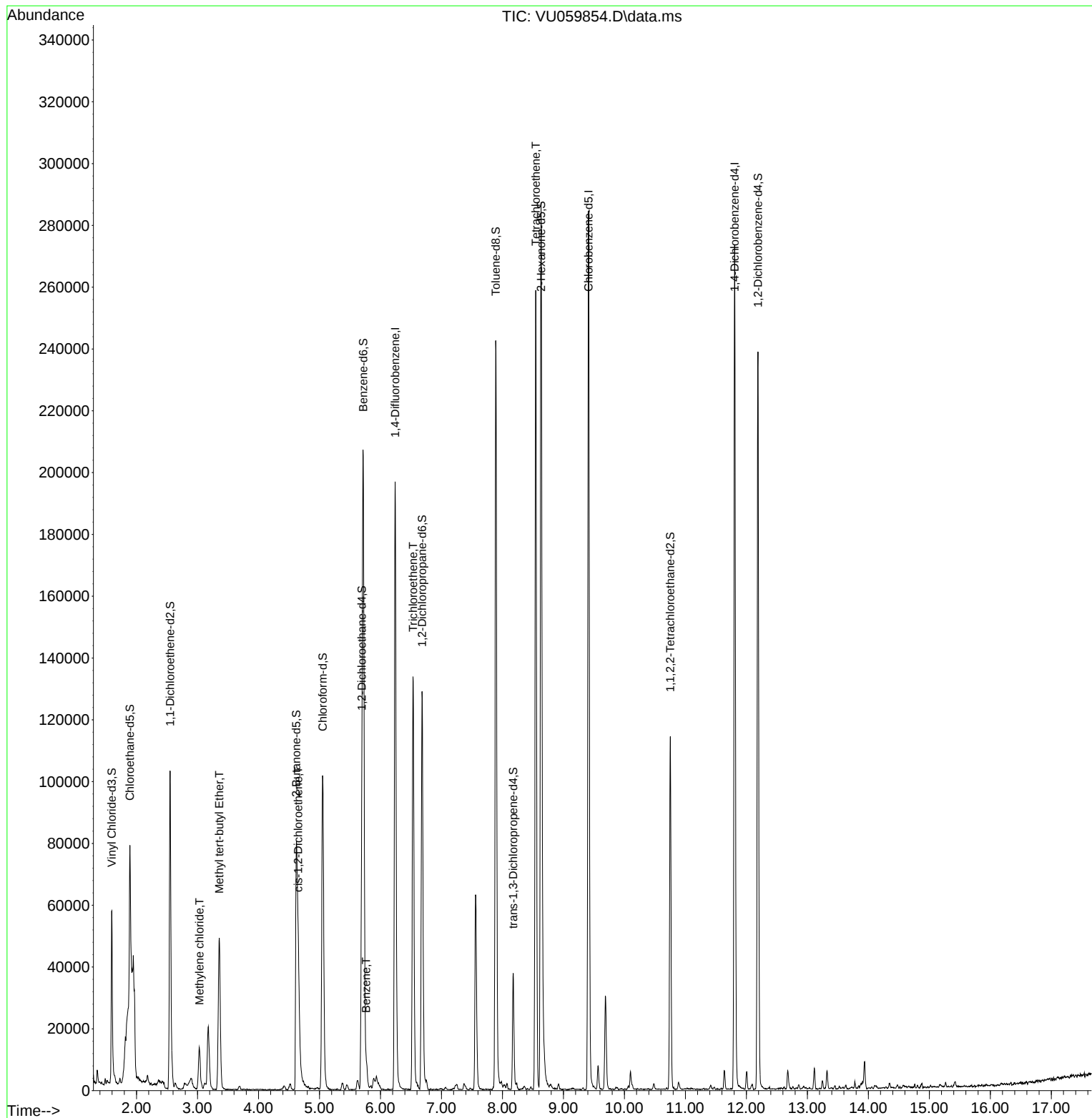
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 167005   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 169563   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 77873    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 46405    | 3.996    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.000%  |
| 7) Chloroethane-d5            | 1.891  | 69    | 38714    | 3.465    | ug/L   | -0.02    |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 69.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.550  | 65    | 19065    | 3.957    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 79.200%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 127021   | 53.101   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.200% |
| 24) Chloroform-d              | 5.052  | 84    | 101083   | 4.241    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 52165    | 4.543    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.800%  |
| 32) Benzene-d6                | 5.718  | 84    | 203728   | 4.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 64886    | 4.538    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.800%  |
| 41) Toluene-d8                | 7.891  | 98    | 171870   | 3.962    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 79.200%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 22307    | 4.982    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.600%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 110588   | 59.440   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 118.880% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 58970    | 4.991    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 67693    | 4.884    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.033  | 84    | 4046     | 0.288    | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 3.357  | 73    | 52825    | 2.070    | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 9538     | 0.702    | ug/L   | 93       |
| 33) Benzene                   | 5.766  | 78    | 7409     | 0.144    | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95    | 47440    | 3.402    | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.547  | 164   | 58529    | 5.409    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

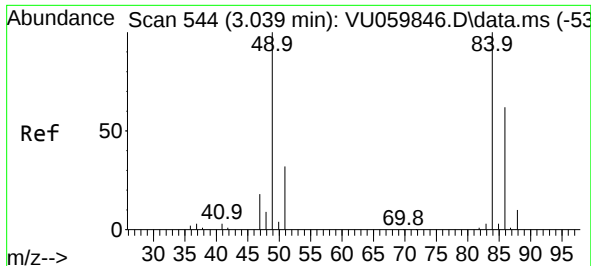
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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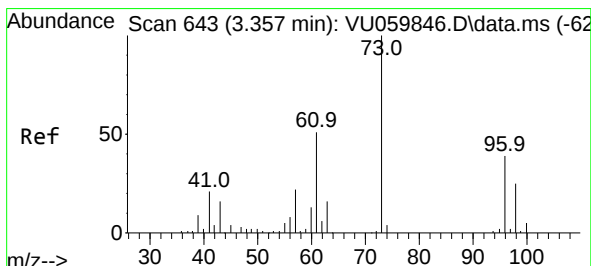
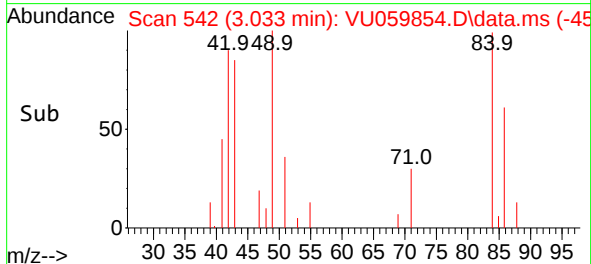
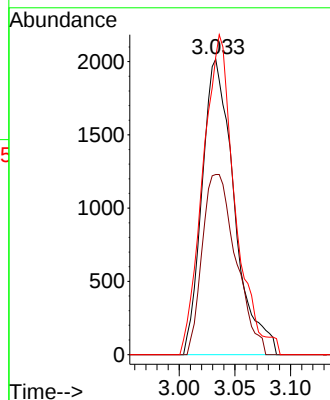
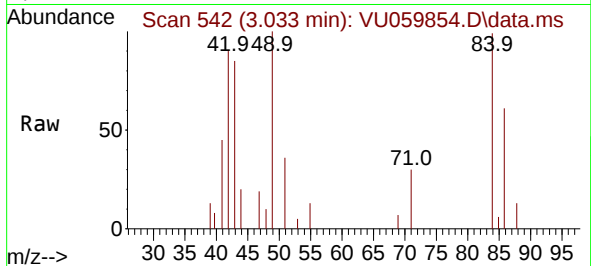




#16  
Methylene chloride  
Concen: 0.288 ug/L  
RT: 3.033 min Scan# 544  
Delta R.T. -0.006 min  
Lab File: VU059854.D  
Acq: 05 Jul 2024 12:11

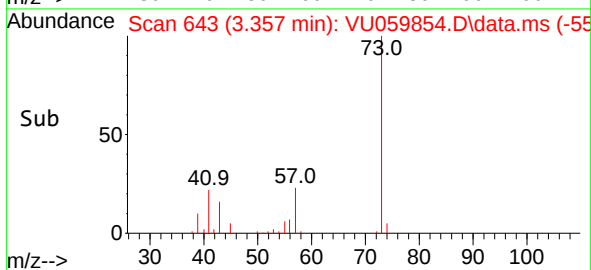
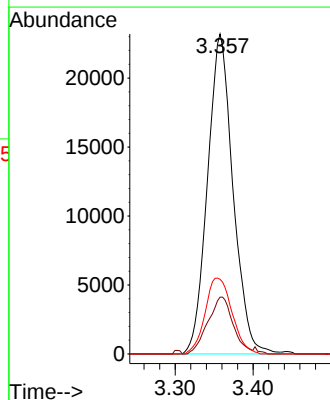
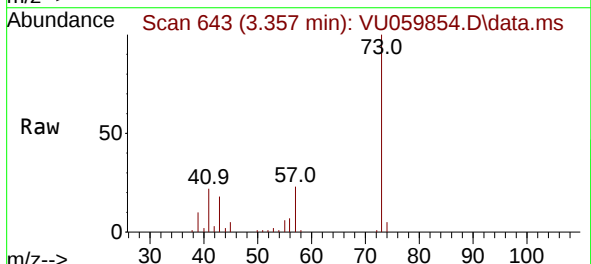
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0BE5DL

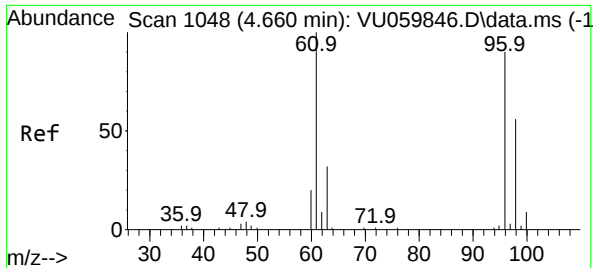
Tgt Ion: 84 Resp: 4046  
Ion Ratio Lower Upper  
84 100  
86 60.9 42.1 78.1  
49 100.6 80.6 149.8



#17  
Methyl tert-butyl Ether  
Concen: 2.070 ug/L  
RT: 3.357 min Scan# 643  
Delta R.T. -0.000 min  
Lab File: VU059854.D  
Acq: 05 Jul 2024 12:11

Tgt Ion: 73 Resp: 52825  
Ion Ratio Lower Upper  
73 100  
43 17.6 14.9 22.3  
57 25.0 18.0 27.0

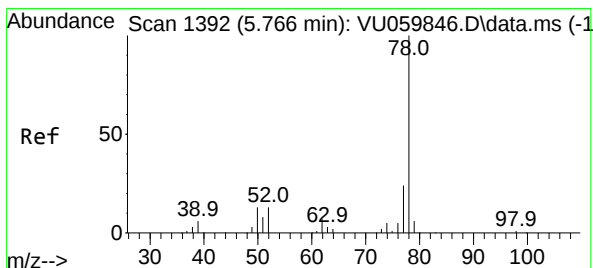
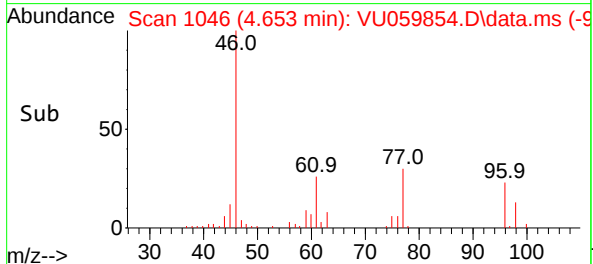
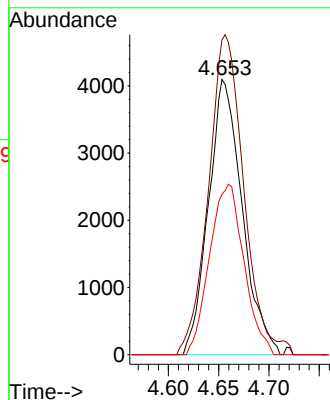
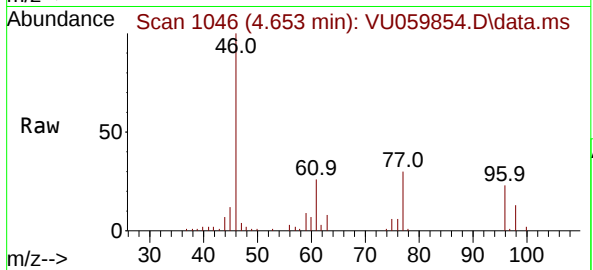




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.702 ug/L  
 RT: 4.653 min Scan# 1046  
 Delta R.T. -0.006 min  
 Lab File: VU059854.D  
 Acq: 05 Jul 2024 12:11

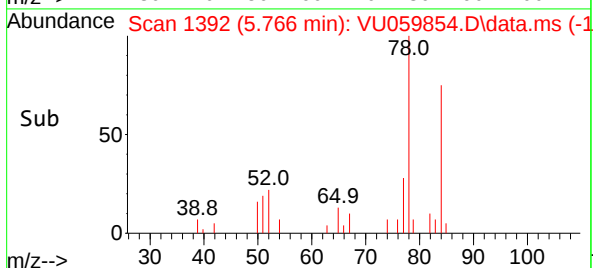
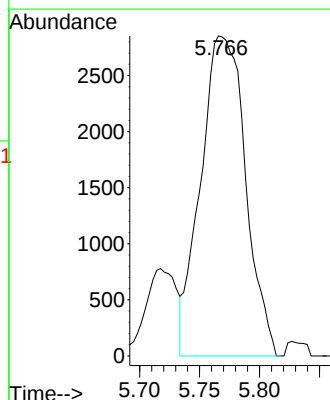
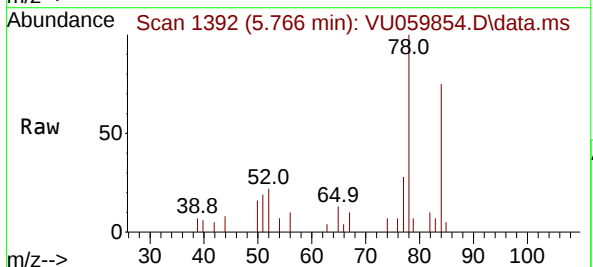
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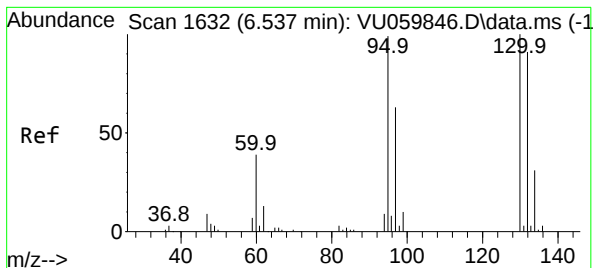
Tgt Ion: 96 Resp: 9538  
 Ion Ratio Lower Upper  
 96 100  
 61 114.4 87.4 162.2  
 98 58.3 42.3 78.5



#33  
 Benzene  
 Concen: 0.144 ug/L  
 RT: 5.766 min Scan# 1392  
 Delta R.T. -0.000 min  
 Lab File: VU059854.D  
 Acq: 05 Jul 2024 12:11

Tgt Ion: 78 Resp: 7409





#34

Trichloroethene

Concen: 3.402 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU059854.D

Acq: 05 Jul 2024 12:11

Instrument :

MSVOA\_U

ClientSampleId :

C0BE5DL

Tgt Ion: 95 Resp: 47440

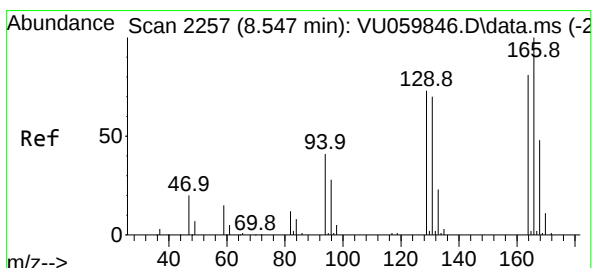
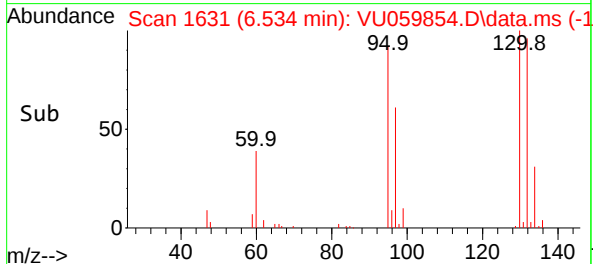
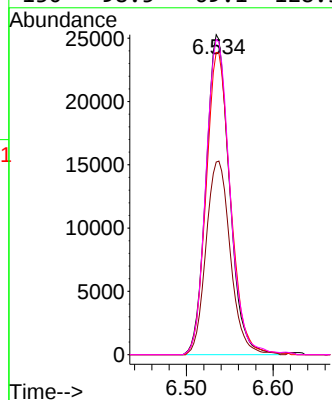
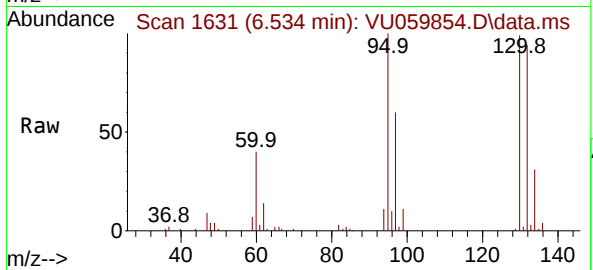
Ion Ratio Lower Upper

95 100

97 60.2 45.3 84.1

132 94.5 64.0 119.0

130 98.5 69.1 128.3



#47

Tetrachloroethene

Concen: 5.409 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU059854.D

Acq: 05 Jul 2024 12:11

Tgt Ion: 164 Resp: 58529

Ion Ratio Lower Upper

164 100

129 92.0 70.8 131.4

131 93.6 64.8 120.3

166 126.6 91.1 169.1

