

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092624\  
 Data File : VV037559.D  
 Acq On : 26 Sep 2024 19:22  
 Operator : SY/MD  
 Sample : P4184-08  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY036

Quant Time: Sep 27 00:55:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 27 00:49:09 2024  
 Response via : Initial Calibration

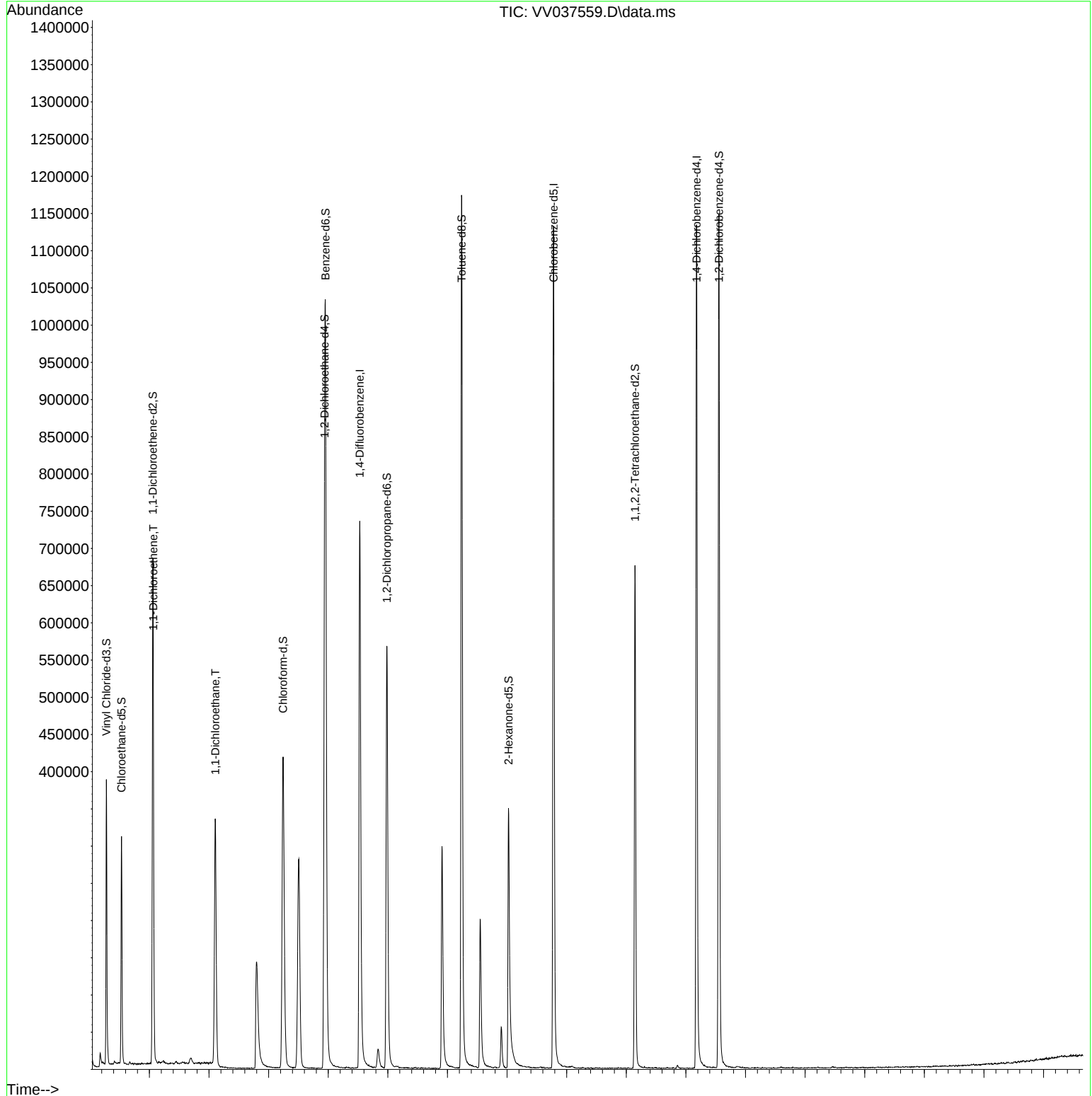
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529   | 114   | 661111   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780   | 117   | 629493   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178  | 152   | 297586   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 255990   | 44.110   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 88.220%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 203289   | 45.128   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 90.260%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 110828   | 45.709   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.420%  |
| 21) 2-Butanone-d5             | 3.793   | 46    | 196545   | 95.083   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 95.080%  |
| 24) Chloroform-d              | 4.243   | 84    | 448226   | 43.411   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.820%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 275305   | 45.553   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.100%  |
| 32) Benzene-d6                | 4.953   | 84    | 908798   | 46.136   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.280%  |
| 36) 1,2-Dichloropropane-d6    | 5.982   | 67    | 284308   | 45.326   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 90.660%  |
| 41) Toluene-d8                | 7.236   | 98    | 798860   | 44.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.440%  |
| 43) trans-1,3-Dichloroprop... | 7.548   | 79    | 123731   | 42.464   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.920%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 121148   | 91.468   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 91.470%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146  | 84    | 327445   | 44.929   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 89.860%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554  | 152   | 302959   | 48.313   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.620%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.066   | 96    | 16051    | 3.647    | ug/L   | # 1      |
| 19) 1,1-Dichloroethane        | 3.105   | 63    | 322972   | 36.203   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 20391    | 3.913    | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 4.507   | 97    | 239043   | 30.832   | ug/L   | 99       |
| 34) Trichloroethene           | 5.841   | 95    | 8209     | 1.624    | ug/L   | 97       |
| 46) Tetrachloroethene         | 7.902   | 164   | 13294    | 3.439    | ug/L   | 97       |
| -----                         |         |       |          |          |        |          |

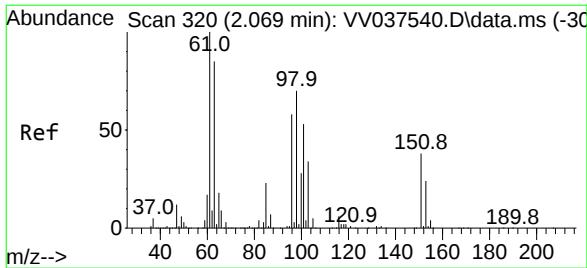
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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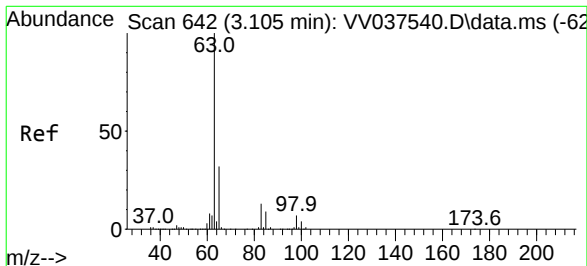
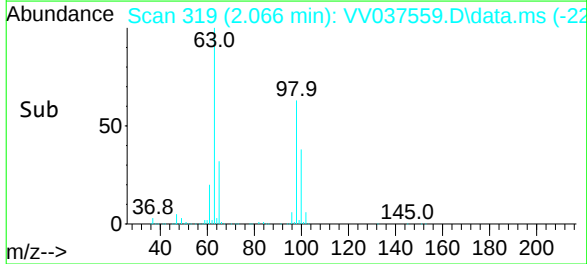
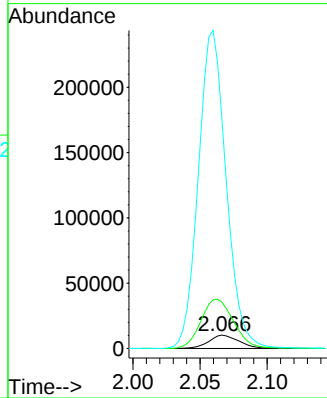
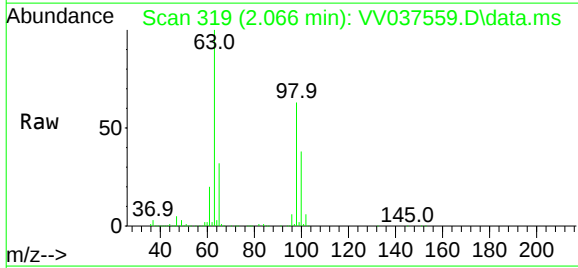




#12  
1,1-Dichloroethene  
Concen: 3.647 ug/L  
RT: 2.066 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV037559.D  
Acq: 26 Sep 2024 19:22

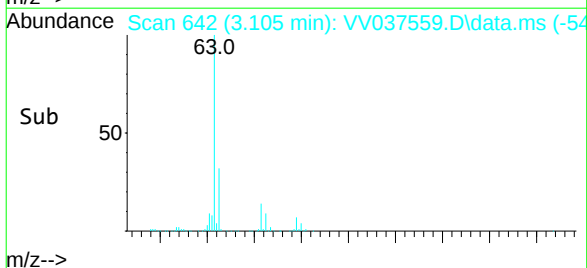
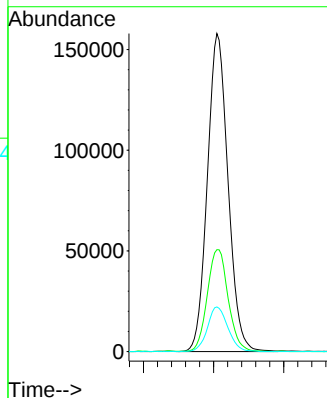
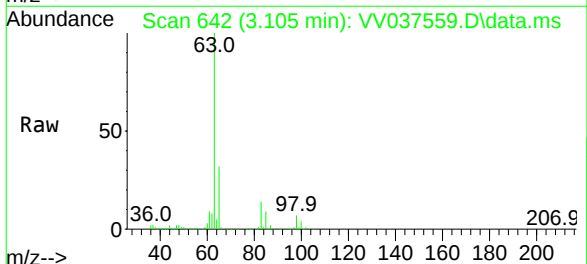
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY036

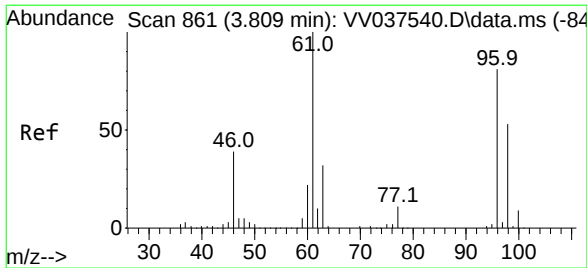
Tgt Ion: 96 Resp: 16051  
Ion Ratio Lower Upper  
96 100  
61 347.2 122.6 227.6#  
63 1734.4 118.0 219.2#



#19  
1,1-Dichloroethane  
Concen: 36.203 ug/L  
RT: 3.105 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VV037559.D  
Acq: 26 Sep 2024 19:22

Tgt Ion: 63 Resp: 322972  
Ion Ratio Lower Upper  
63 100  
65 32.0 22.4 41.6  
83 14.0 9.5 17.7

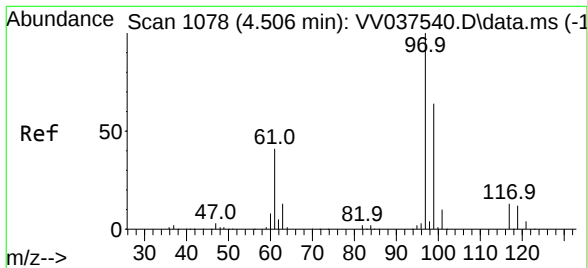
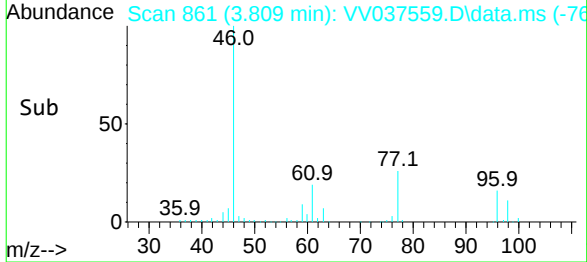
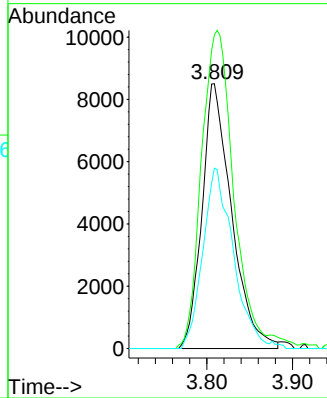
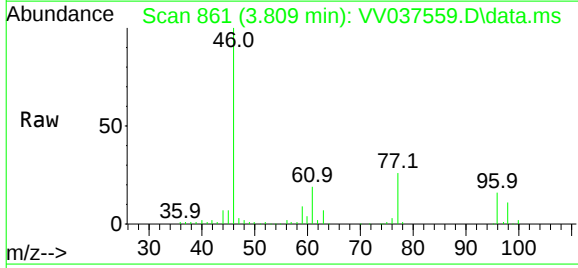




#20  
 cis-1,2-Dichloroethene  
 Concen: 3.913 ug/L  
 RT: 3.809 min Scan# 861  
 Delta R.T. 0.000 min  
 Lab File: VV037559.D  
 Acq: 26 Sep 2024 19:22

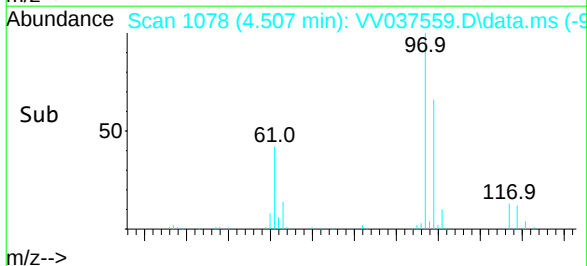
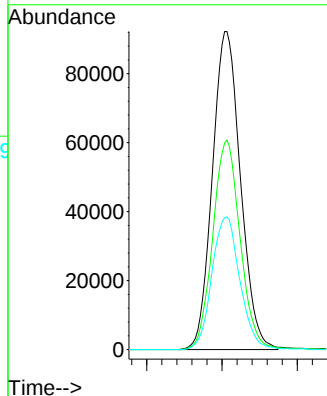
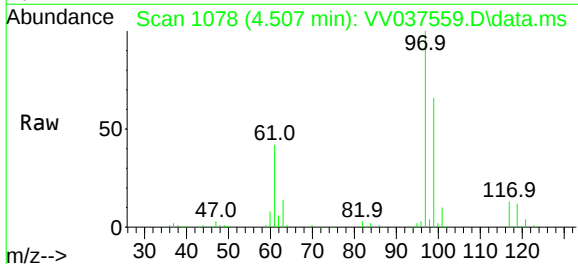
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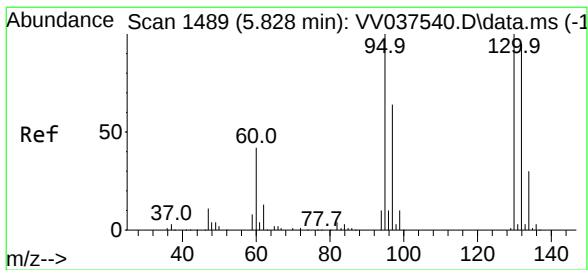
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 20391 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 118.5 | 85.0  | 157.8 |
| 98       | 68.1  | 44.2  | 82.0  |



#30  
 1,1,1-Trichloroethane  
 Concen: 30.832 ug/L  
 RT: 4.507 min Scan# 1078  
 Delta R.T. 0.000 min  
 Lab File: VV037559.D  
 Acq: 26 Sep 2024 19:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 239043 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.1  | 51.8  | 77.6   |
| 61       | 41.6  | 33.6  | 50.4   |





#34

Trichloroethene

Concen: 1.624 ug/L

RT: 5.841 min Scan# 14

Delta R.T. 0.013 min

Lab File: VV037559.D

Acq: 26 Sep 2024 19:22

Instrument :

MSVOA\_V

ClientSampleId :

EY036

Tgt Ion: 95 Resp: 8209

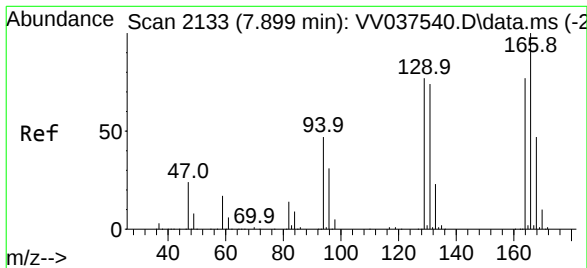
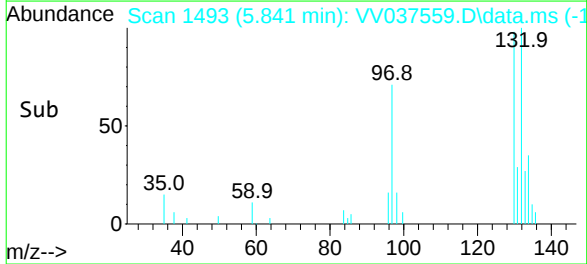
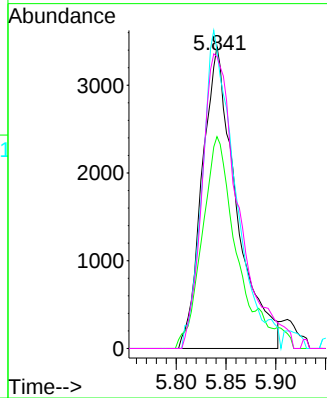
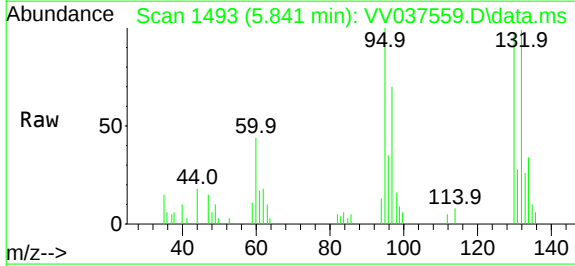
Ion Ratio Lower Upper

95 100

97 70.2 46.3 85.9

132 98.6 68.6 127.4

130 96.7 70.9 131.7



#46

Tetrachloroethene

Concen: 3.439 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV037559.D

Acq: 26 Sep 2024 19:22

Tgt Ion: 164 Resp: 13294

Ion Ratio Lower Upper

164 100

129 95.1 68.2 126.6

131 92.9 66.1 122.8

166 124.3 91.1 169.1

