

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW110122\  
 Data File : VW028808.D  
 Acq On : 01 Nov 2022 12:02  
 Operator : SY/MD  
 Sample : N5321-05DL 100X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBXA4DL

Quant Time: Nov 02 05:11:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 02 05:10:28 2022  
 Response via : Initial Calibration

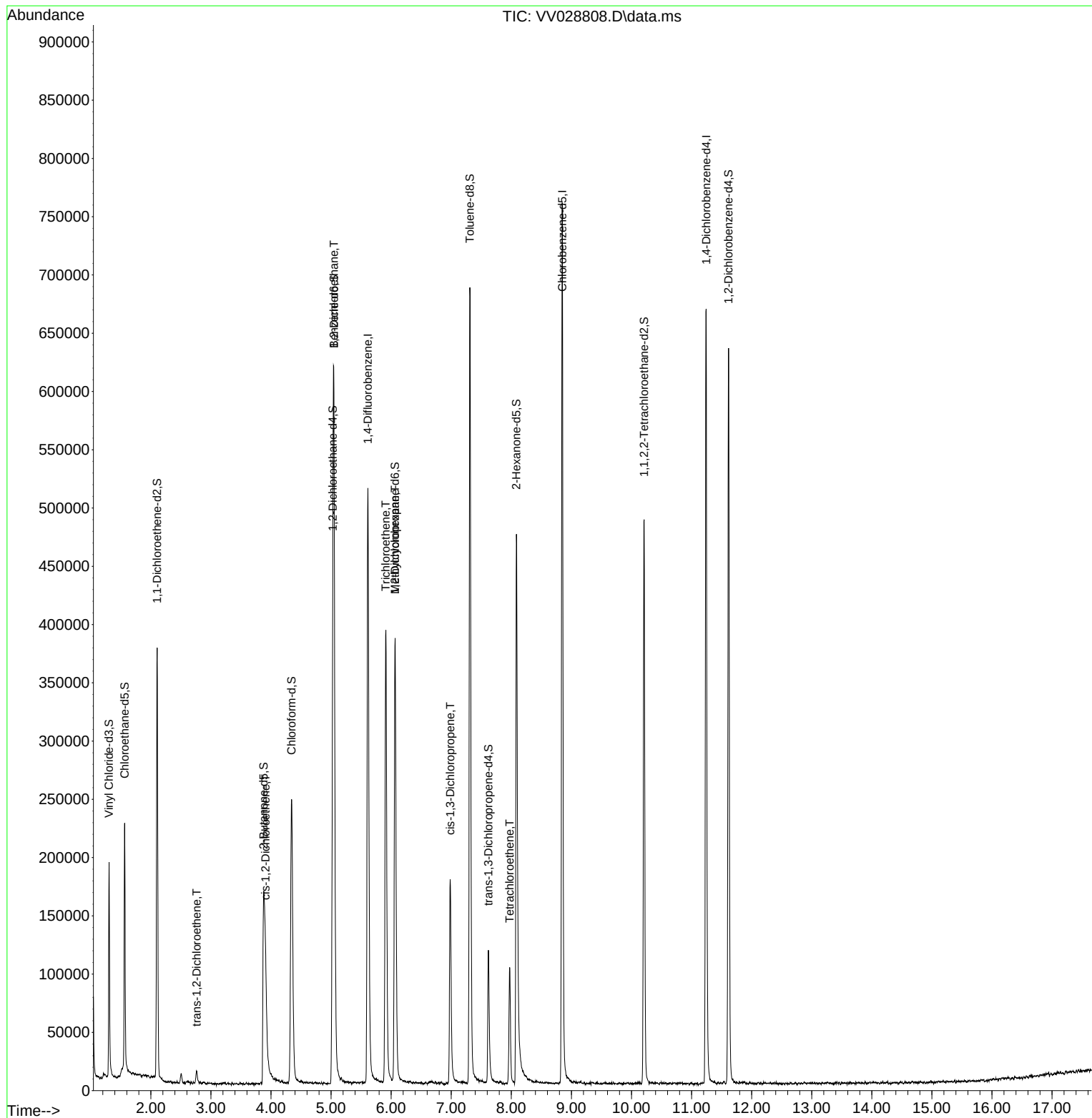
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613   | 114   | 407456   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847   | 117   | 371330   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243  | 152   | 158569   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 126817   | 32.832   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 65.660%  |
| 7) Chloroethane-d5            | 1.564   | 69    | 131382   | 39.789   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 79.580%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 206191   | 28.063   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 56.120%# |
| 21) 2-Butanone-d5             | 3.876   | 46    | 280829   | 99.878   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 99.880%  |
| 24) Chloroform-d              | 4.343   | 84    | 248456   | 42.649   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.300%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 175449   | 45.538   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.080%  |
| 32) Benzene-d6                | 5.047   | 84    | 511488   | 44.124   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.240%  |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 182578   | 45.877   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.760%  |
| 41) Toluene-d8                | 7.310   | 98    | 433186   | 42.508   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.020%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 64629    | 42.283   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.560%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 170237   | 94.656   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 94.660%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207  | 84    | 236898   | 45.142   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 90.280%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.616  | 152   | 145125   | 46.366   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.740%  |
| Target Compounds              |         |       |          |          |        |          |
| 17) trans-1,2-Dichloroethene  | 2.761   | 96    | 3967     | 1.350    | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96    | 29589    | 9.123    | ug/L # | 99       |
| 27) 1,2-Dichloroethane        | 5.047   | 62    | 3885     | 0.800    | ug/L   | 98       |
| 34) Trichloroethene           | 5.908   | 95    | 134178   | 43.890   | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.066   | 83    | 40024    | 7.381    | ug/L # | 16       |
| 39) cis-1,3-Dichloropropene   | 6.982   | 75    | 4583     | 0.928    | ug/L # | 51       |
| 46) Tetrachloroethene         | 7.973   | 164   | 20046    | 9.461    | ug/L   | 95       |
| -----                         |         |       |          |          |        |          |

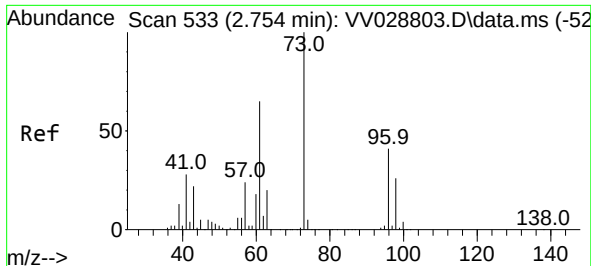
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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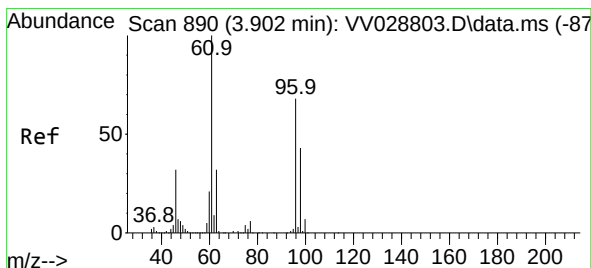
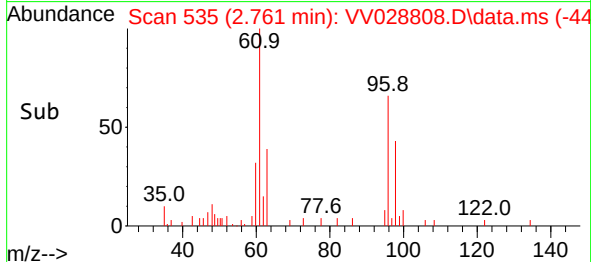
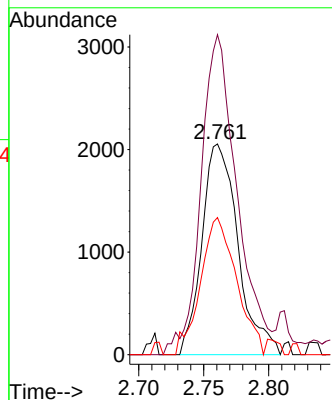
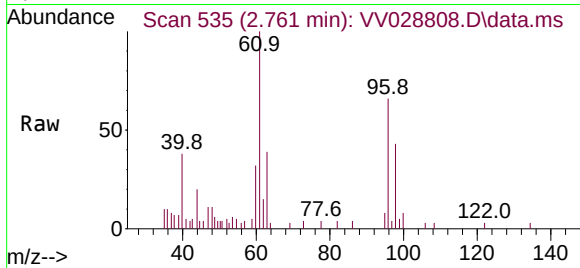




#17  
trans-1,2-Dichloroethene  
Concen: 1.350 ug/L  
RT: 2.761 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV028808.D  
Acq: 01 Nov 2022 12:02

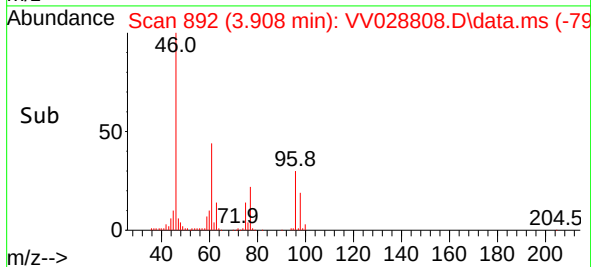
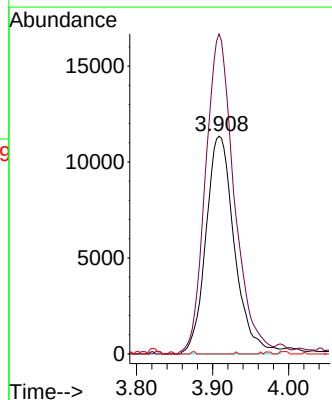
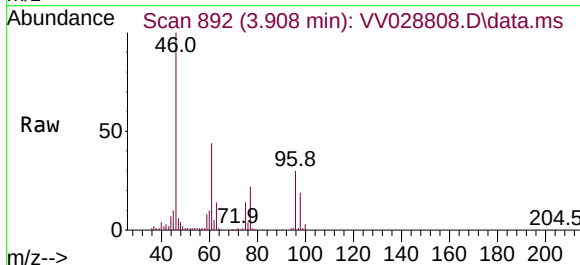
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBXA4DL

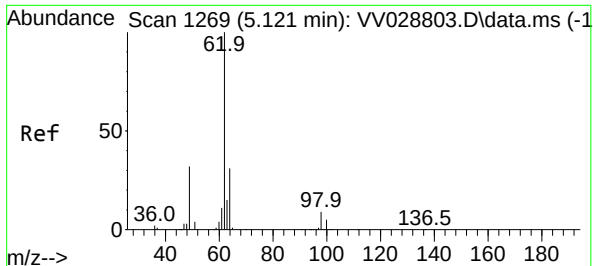
Tgt Ion: 96 Resp: 3967  
Ion Ratio Lower Upper  
96 100  
61 151.8 109.4 203.2  
98 65.0 43.3 80.5



#20  
cis-1,2-Dichloroethene  
Concen: 9.123 ug/L  
RT: 3.908 min Scan# 892  
Delta R.T. 0.006 min  
Lab File: VV028808.D  
Acq: 01 Nov 2022 12:02

Tgt Ion: 96 Resp: 29589  
Ion Ratio Lower Upper  
96 100  
61 147.0 102.3 190.1  
68 0.0 0.1 0.3#





#27

1,2-Dichloroethane

Concen: 0.800 ug/L

RT: 5.047 min Scan# 11

Delta R.T. -0.074 min

Lab File: VV028808.D

Acq: 01 Nov 2022 12:02

Instrument :

MSVOA\_V

ClientSampleId :

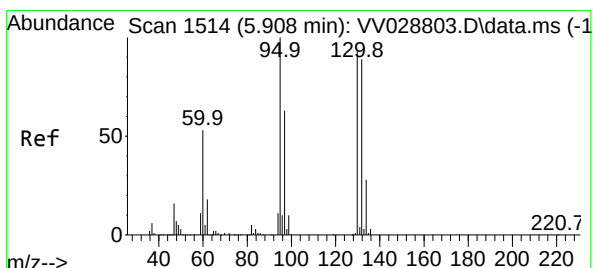
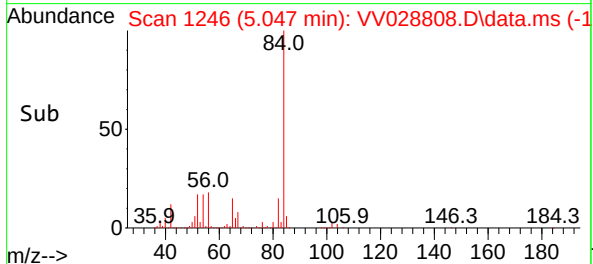
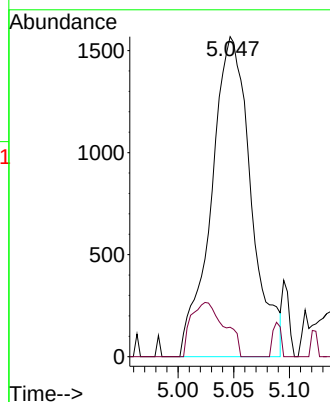
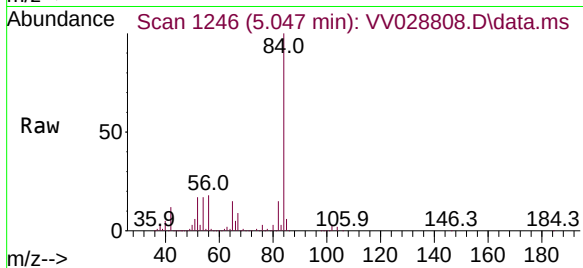
DBXA4DL

Tgt Ion: 62 Resp: 3885

Ion Ratio Lower Upper

62 100

98 9.2 6.9 10.3



#34

Trichloroethene

Concen: 43.890 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.000 min

Lab File: VV028808.D

Acq: 01 Nov 2022 12:02

Tgt Ion: 95 Resp: 134178

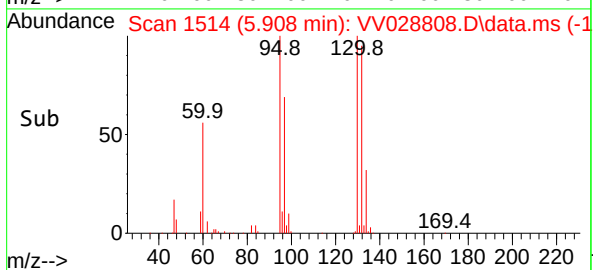
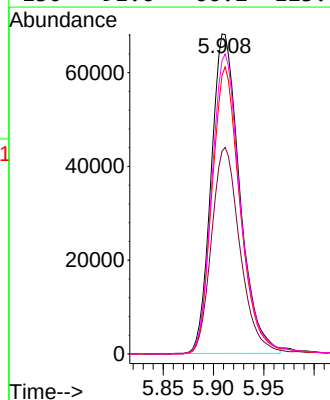
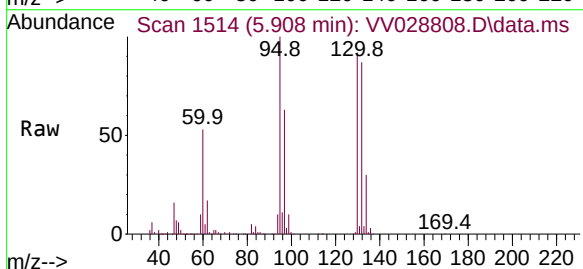
Ion Ratio Lower Upper

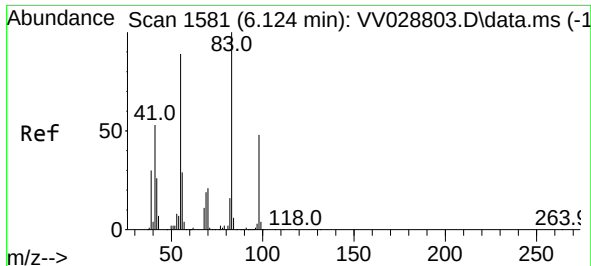
95 100

97 63.3 46.2 85.8

132 86.9 63.2 117.4

130 91.6 66.2 123.0





#35

Methylcyclohexane

Concen: 7.381 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV028808.D

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Instrument :

MSVOA\_V

ClientSampleId :

DBXA4DL

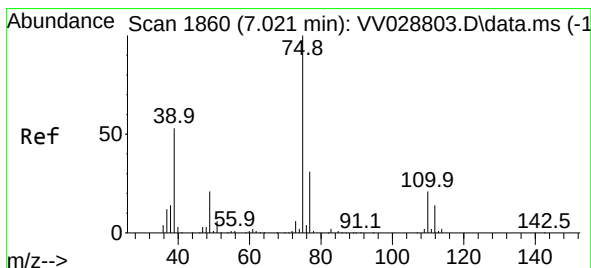
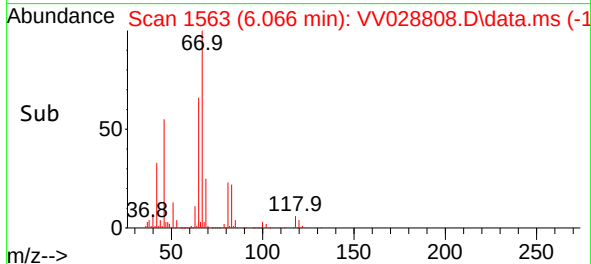
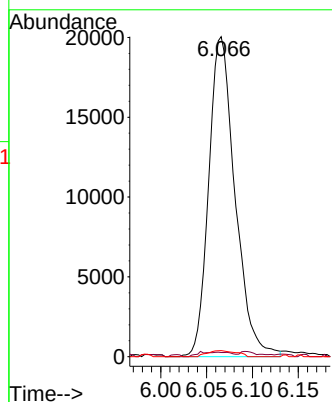
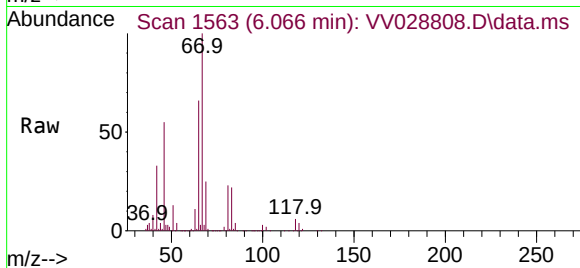
Tgt Ion: 83 Resp: 40024

Ion Ratio Lower Upper

83 100

55 0.5 69.4 104.2#

98 2.1 37.0 55.4#



#39

cis-1,3-Dichloropropene

Concen: 0.928 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.039 min

Lab File: VV028808.D

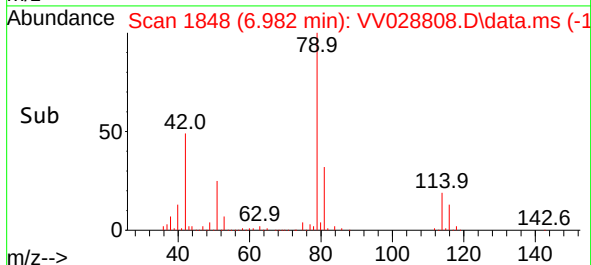
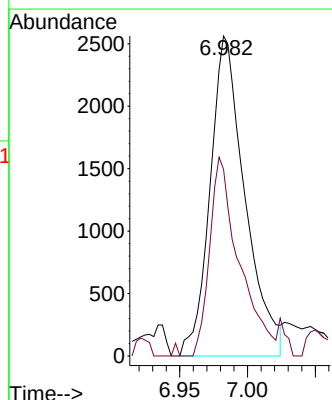
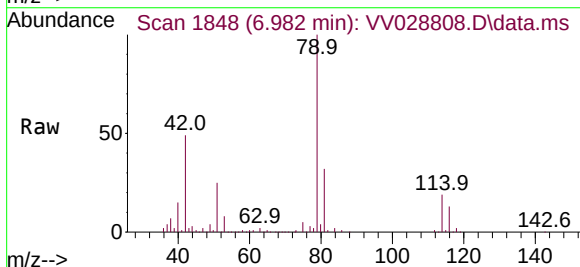
Acq: 01 Nov 2022 12:02

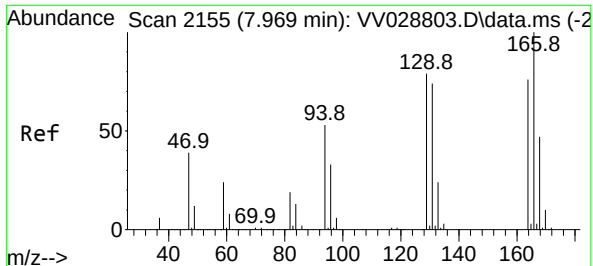
Tgt Ion: 75 Resp: 4583

Ion Ratio Lower Upper

75 100

77 58.3 21.8 40.4#





#46  
Tetrachloroethene  
Concen: 9.461 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.003 min  
Lab File: VV028808.D  
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|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 20046       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 105.6 | 69.5 129.1  |
| 131         | 98.8  | 66.4 123.2  |
| 166         | 130.3 | 88.5 164.3  |

