

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061623\  
 Data File : VW031575.D  
 Acq On : 16 Jun 2023 14:46  
 Operator : SY/MD  
 Sample : 03249-05DL 10X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYS7DL

Quant Time: Jun 17 02:29:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 17 02:08:04 2023  
 Response via : Initial Calibration

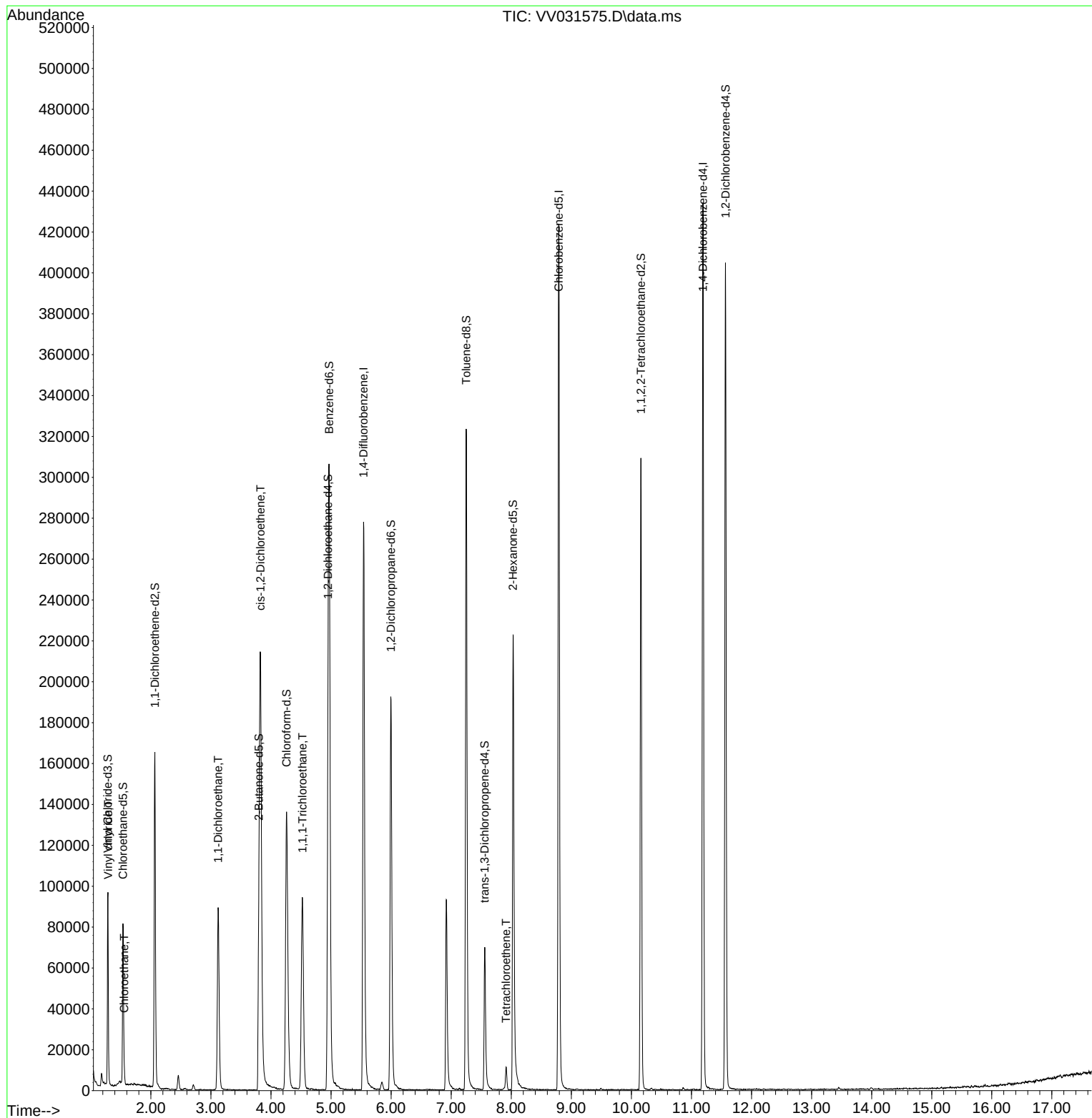
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 229503   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792   | 117   | 226367   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191  | 152   | 111189   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 50255    | 32.902   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 65.800%  |
| 7) Chloroethane-d5            | 1.535   | 69    | 51792    | 38.862   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 77.720%  |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 27555    | 35.004   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 70.000%  |
| 21) 2-Butanone-d5             | 3.799   | 46    | 108174   | 87.463   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 87.460%  |
| 24) Chloroform-d              | 4.259   | 84    | 149157   | 38.992   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 77.980%  |
| 26) 1,2-Dichloroethane-d4     | 4.950   | 65    | 101365   | 42.353   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.700%  |
| 32) Benzene-d6                | 4.969   | 84    | 262836   | 41.250   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.500%  |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 95861    | 42.447   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 84.900%  |
| 41) Toluene-d8                | 7.249   | 98    | 220819   | 37.766   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 75.540%# |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 43211    | 39.250   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 78.500%  |
| 47) 2-Hexanone-d5             | 8.030   | 63    | 80553    | 90.340   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 90.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 148197   | 43.475   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 86.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567  | 152   | 101362   | 47.825   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.640%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.288   | 62    | 12420    | 5.454    | ug/L   | 91       |
| 8) Chloroethane               | 1.555   | 64    | 2616     | 1.779    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.121   | 63    | 92257    | 24.115   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.825   | 96    | 102512   | 53.514   | ug/L   | 92       |
| 30) 1,1,1-Trichloroethane     | 4.522   | 97    | 80559    | 22.197   | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.915   | 164   | 1655     | 1.047    | ug/L   | 97       |
| -----                         |         |       |          |          |        |          |

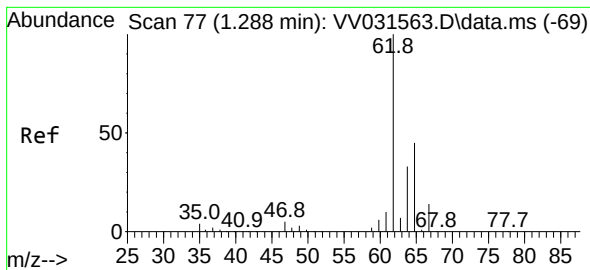
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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Quant Title : VOC Analysis  
QLast Update : Sat Jun 17 02:08:04 2023  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.454 ug/L

RT: 1.288 min Scan# 71

Delta R.T. -0.000 min

Lab File: VV031575.D

Acq: 16 Jun 2023 14:46

Instrument :

MSVOA\_V

ClientSampleId :

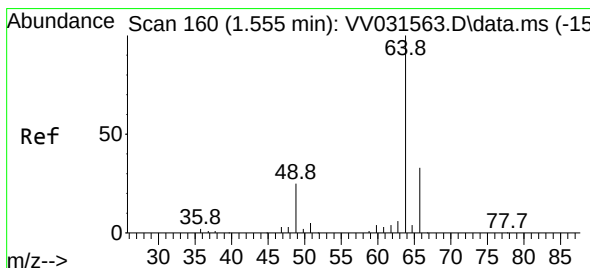
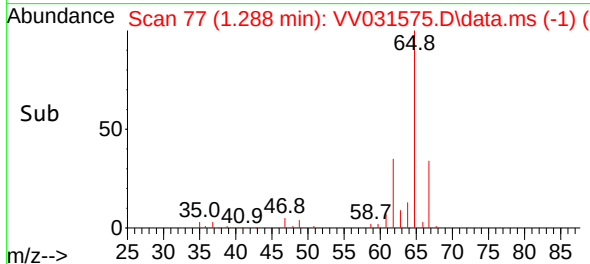
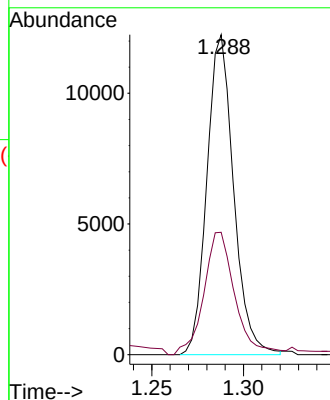
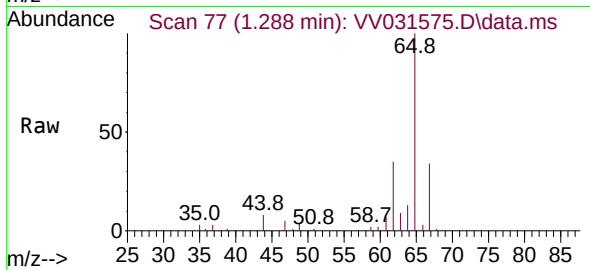
EXYS7DL

Tgt Ion: 62 Resp: 12420

Ion Ratio Lower Upper

62 100

64 38.2 23.4 43.4



#8

Chloroethane

Concen: 1.779 ug/L

RT: 1.555 min Scan# 160

Delta R.T. -0.000 min

Lab File: VV031575.D

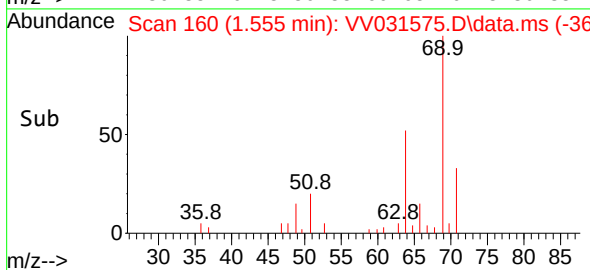
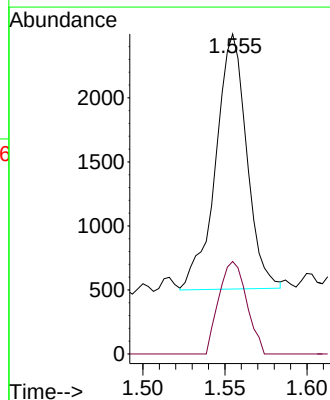
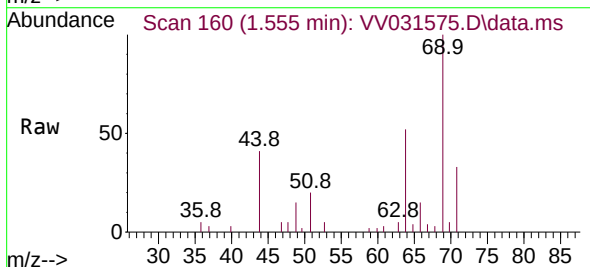
Acq: 16 Jun 2023 14:46

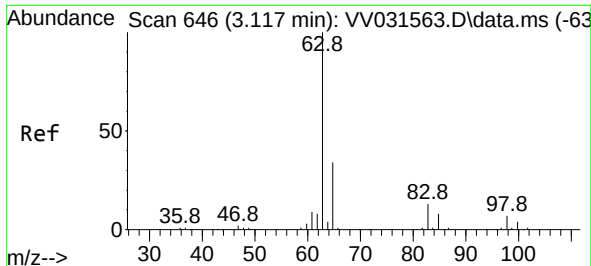
Tgt Ion: 64 Resp: 2616

Ion Ratio Lower Upper

64 100

66 28.9 21.0 39.0





#19

1,1-Dichloroethane

Concen: 24.115 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031575.D

Acq: 16 Jun 2023 14:46

Instrument :

MSVOA\_V

ClientSampleId :

EXYS7DL

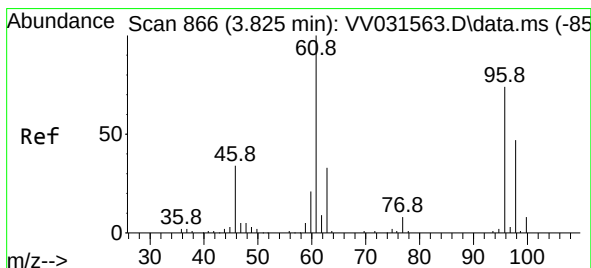
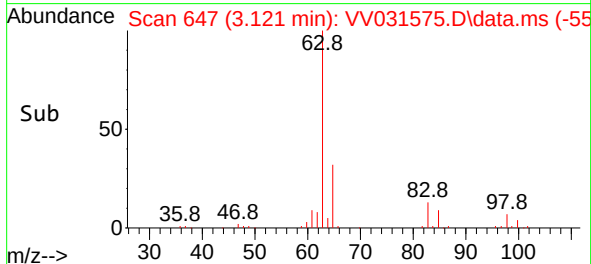
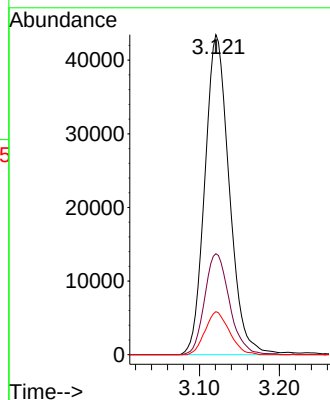
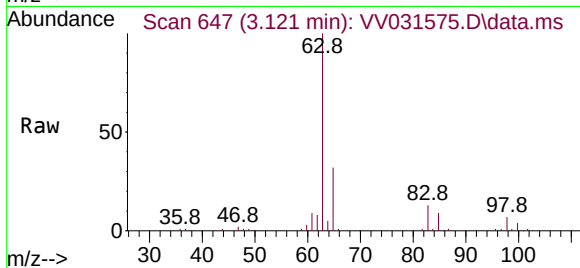
Tgt Ion: 63 Resp: 92257

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

83 14.3 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 53.514 ug/L

RT: 3.825 min Scan# 866

Delta R.T. -0.000 min

Lab File: VV031575.D

Acq: 16 Jun 2023 14:46

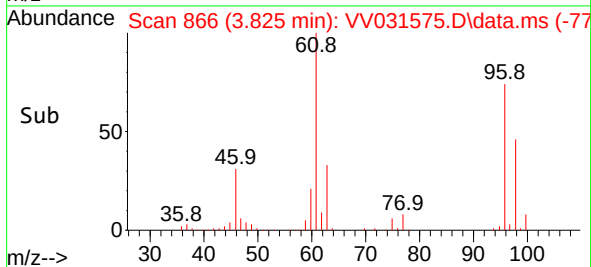
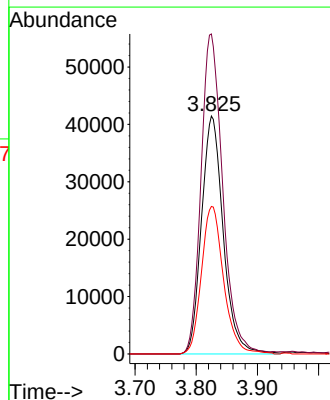
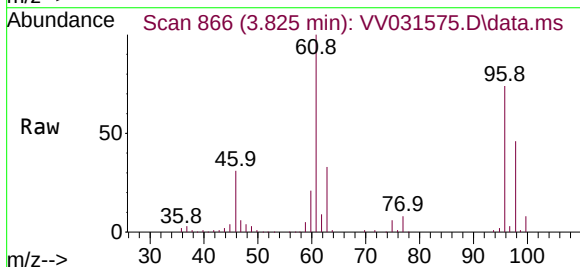
Tgt Ion: 96 Resp: 102512

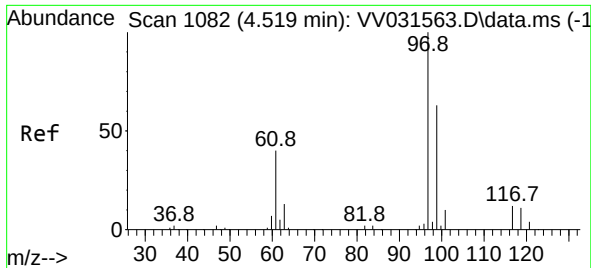
Ion Ratio Lower Upper

96 100

61 129.9 98.6 183.0

98 61.3 45.7 84.9





#30

1,1,1-Trichloroethane

Concen: 22.197 ug/L

RT: 4.522 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV031575.D

Acq: 16 Jun 2023 14:46

Instrument :

MSVOA\_V

ClientSampleId :

EXYS7DL

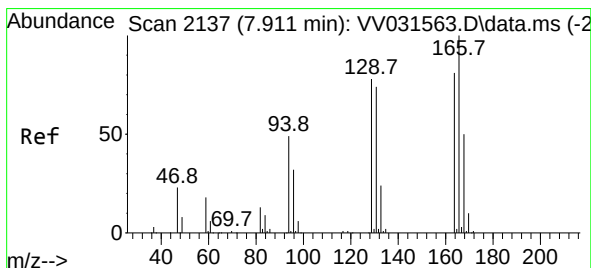
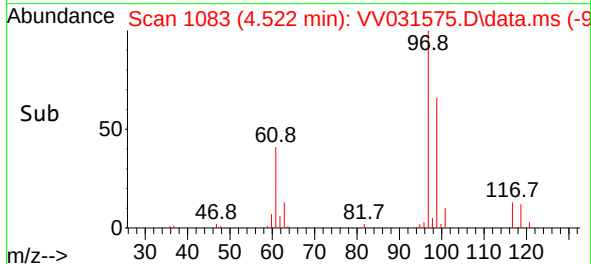
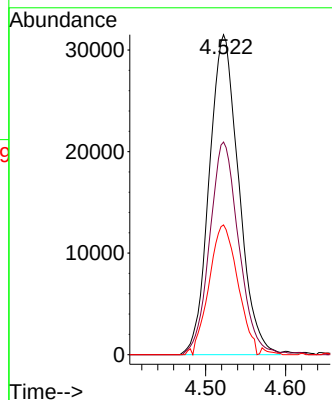
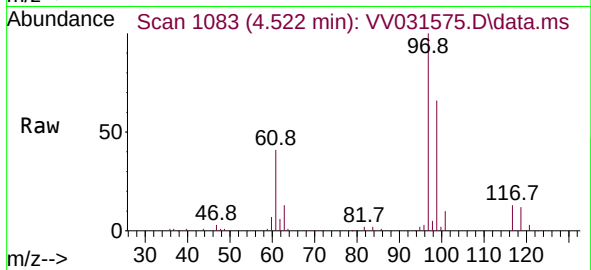
Tgt Ion: 97 Resp: 80559

Ion Ratio Lower Upper

97 100

99 65.5 51.8 77.6

61 39.3 33.0 49.6



#46

Tetrachloroethene

Concen: 1.047 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV031575.D

Acq: 16 Jun 2023 14:46

Tgt Ion:164 Resp: 1655

Ion Ratio Lower Upper

164 100

129 93.7 68.4 127.0

131 93.2 67.6 125.6

166 133.0 91.3 169.5

