

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061523\  
 Data File : VW031531.D  
 Acq On : 15 Jun 2023 15:13  
 Operator : SY/MD  
 Sample : 03249-07  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYS9

Quant Time: Jun 16 02:48:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 16 02:44:48 2023  
 Response via : Initial Calibration

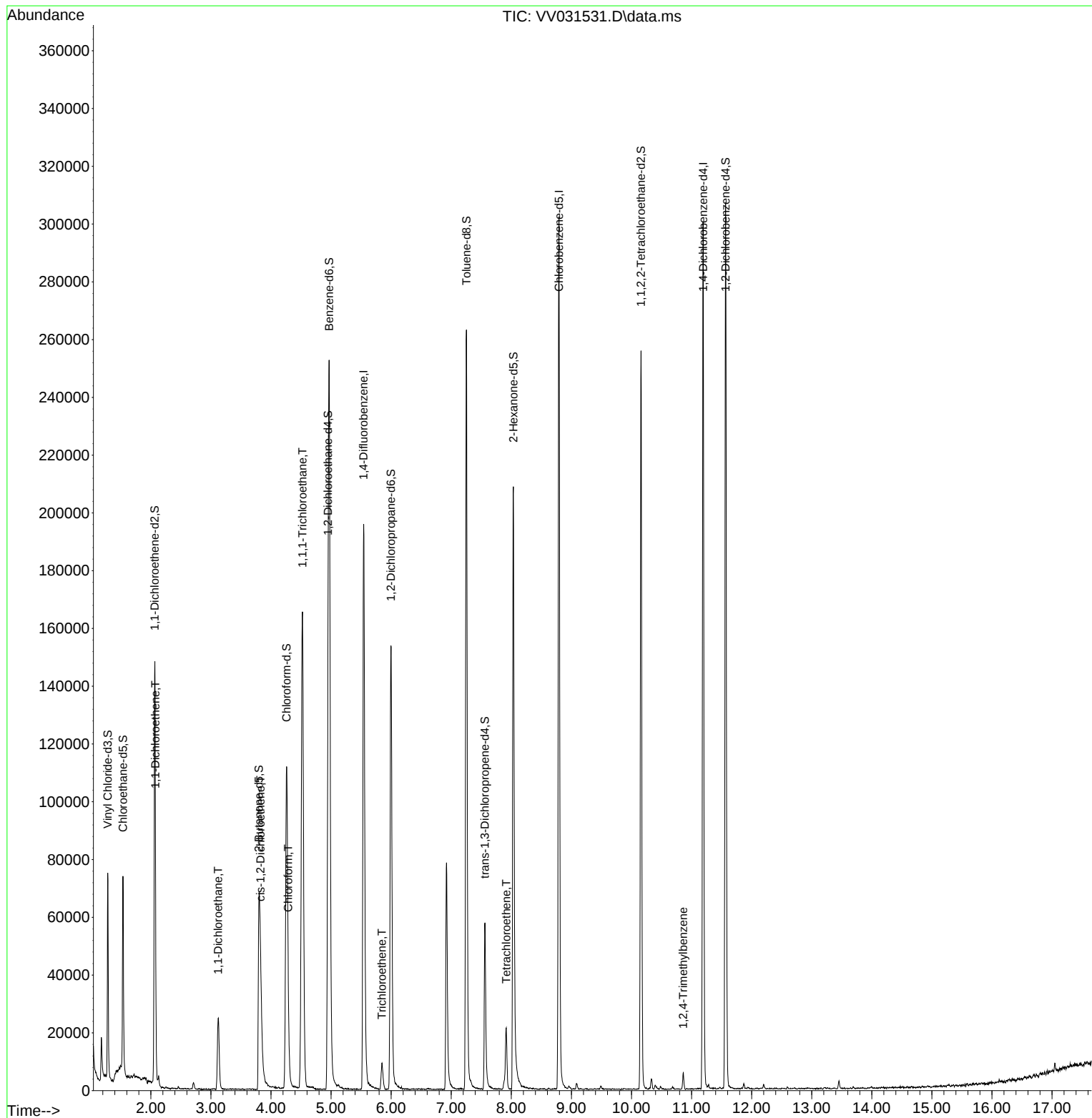
| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.542          | 114  | 160133     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.792          | 117  | 161124     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194         | 152  | 74888      | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.281          | 65   | 45356      | 42.558   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 85.120%  |       |          |
| 7) Chloroethane-d5            | 1.535          | 69   | 44056      | 47.377   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 94.760%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.063          | 65   | 23529      | 42.837   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 85.680%  |       |          |
| 21) 2-Butanone-d5             | 3.799          | 46   | 109927     | 127.384  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 127.380% |       |          |
| 24) Chloroform-d              | 4.259          | 84   | 124495     | 46.644   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.280%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.950          | 65   | 83374      | 49.926   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.860%  |       |          |
| 32) Benzene-d6                | 4.969          | 84   | 215134     | 47.436   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.880%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 77993      | 48.520   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 97.040%  |       |          |
| 41) Toluene-d8                | 7.252          | 98   | 176238     | 42.346   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 84.700%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.561          | 79   | 35019      | 44.689   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.380%  |       |          |
| 47) 2-Hexanone-d5             | 8.034          | 63   | 73620      | 115.997  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 116.000% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 122455     | 50.470   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 100.940% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567         | 152  | 75418      | 52.832   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 105.660% |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.076          | 96   | 5881       | 4.963    | ug/L  | # 1      |
| 19) 1,1-Dichloroethane        | 3.121          | 63   | 26415      | 9.896    | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.825          | 96   | 10319      | 7.720    | ug/L  | 94       |
| 25) Chloroform                | 4.285          | 83   | 5359       | 1.931    | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.522          | 97   | 143320     | 55.480   | ug/L  | 99       |
| 34) Trichloroethene           | 5.844          | 95   | 3644       | 2.542    | ug/L  | 83       |
| 46) Tetrachloroethene         | 7.915          | 164  | 4871       | 4.330    | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.860         | 105  | 3208       | 0.873    | ug/L  | 94       |
| -----                         |                |      |            |          |       |          |

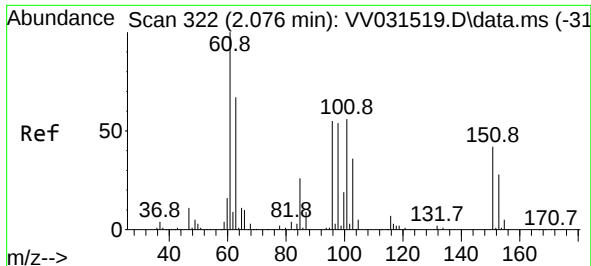
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 16 02:44:48 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.963 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Instrument :

MSVOA\_V

ClientSampleId :

EXYS9

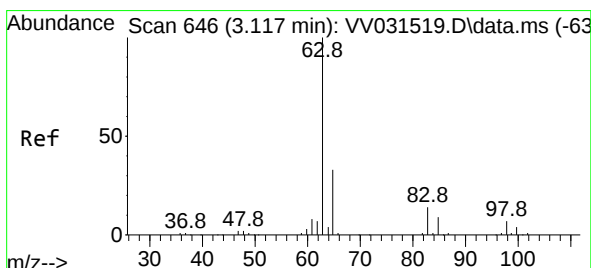
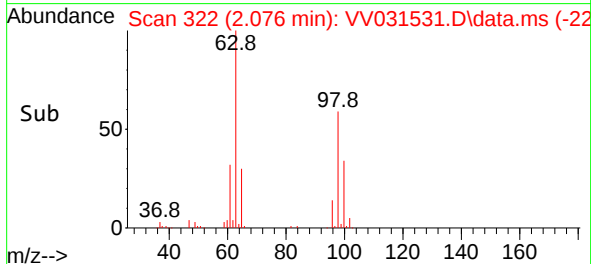
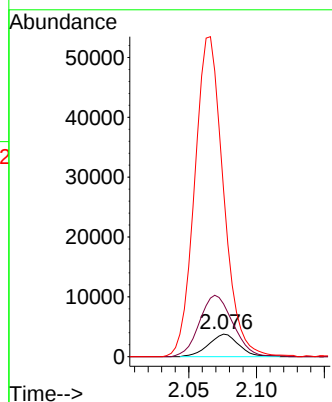
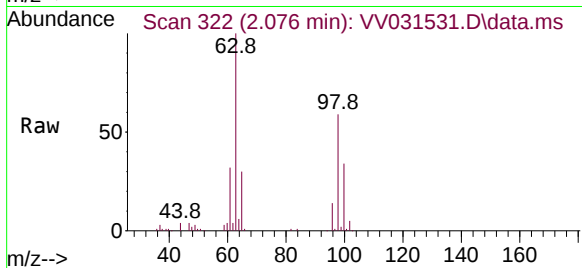
Tgt Ion: 96 Resp: 5881

Ion Ratio Lower Upper

96 100

61 213.5 128.9 239.5

63 675.3 95.3 177.1#



#19

1,1-Dichloroethane

Concen: 9.896 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.003 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

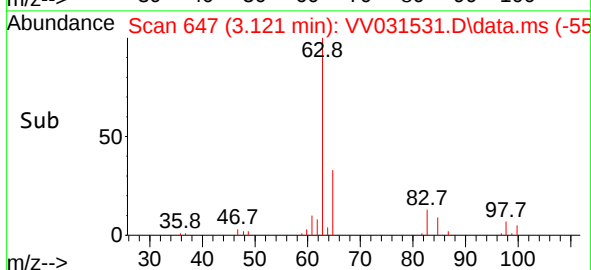
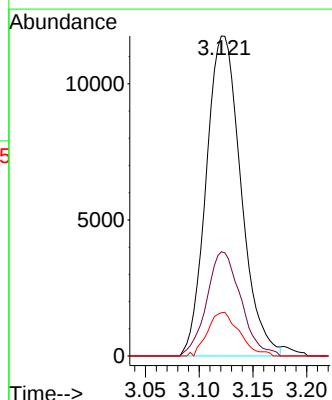
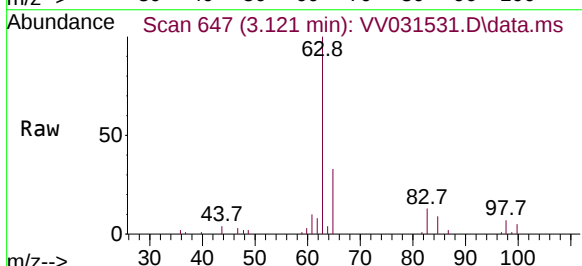
Tgt Ion: 63 Resp: 26415

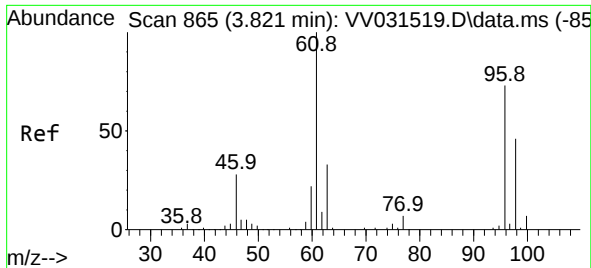
Ion Ratio Lower Upper

63 100

65 32.6 22.5 41.7

83 13.5 10.0 18.6

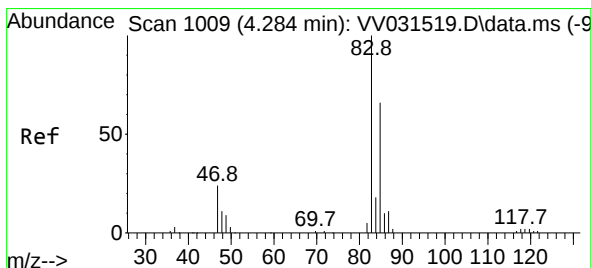
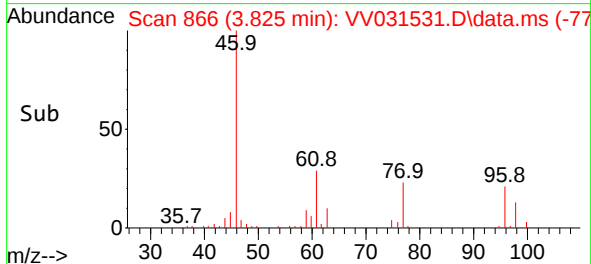
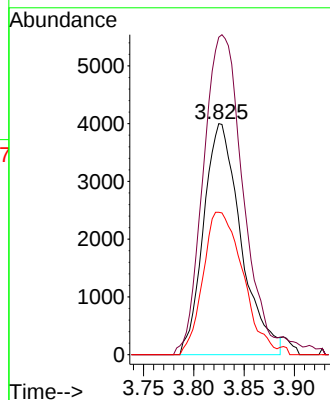
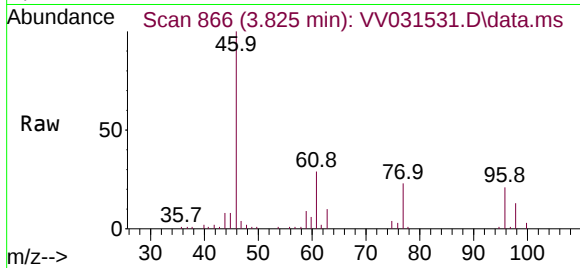




#20  
cis-1,2-Dichloroethene  
Concen: 7.720 ug/L  
RT: 3.825 min Scan# 865  
Delta R.T. 0.003 min  
Lab File: VV031531.D  
Acq: 15 Jun 2023 15:13

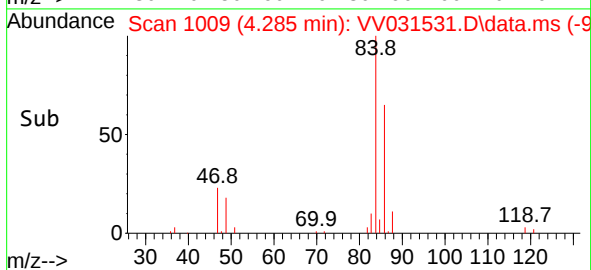
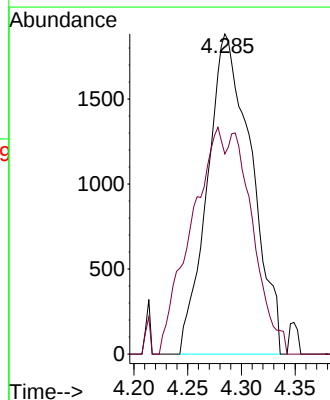
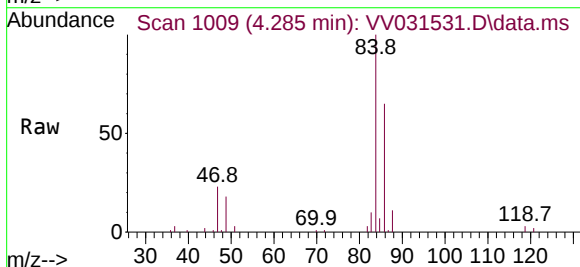
Instrument :  
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ClientSampleId :  
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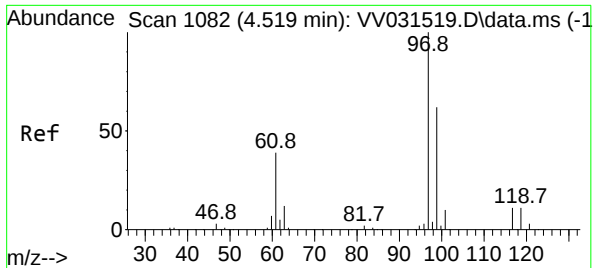
Tgt Ion: 96 Resp: 10319  
Ion Ratio Lower Upper  
96 100  
61 149.2 98.6 183.0  
98 61.7 45.7 84.9



#25  
Chloroform  
Concen: 1.931 ug/L  
RT: 4.285 min Scan# 1009  
Delta R.T. 0.000 min  
Lab File: VV031531.D  
Acq: 15 Jun 2023 15:13

Tgt Ion: 83 Resp: 5359  
Ion Ratio Lower Upper  
83 100  
85 62.5 45.3 84.1





#30

1,1,1-Trichloroethane

Concen: 55.480 ug/L

RT: 4.522 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Instrument :

MSVOA\_V

ClientSampleId :

EXYS9

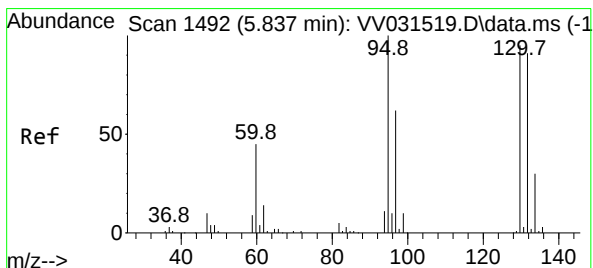
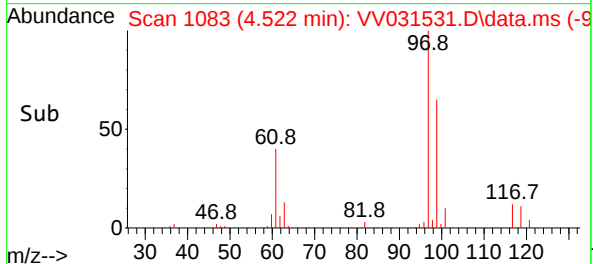
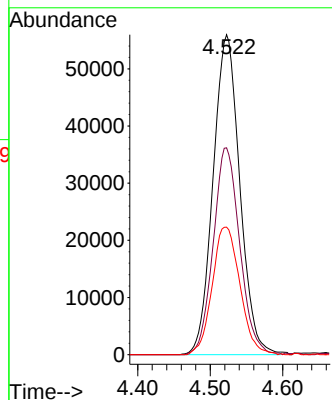
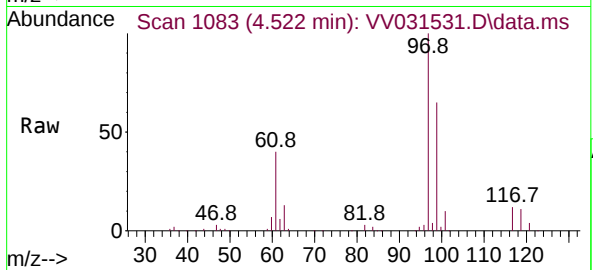
Tgt Ion: 97 Resp: 143320

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 41.4 33.0 49.6



#34

Trichloroethene

Concen: 2.542 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Tgt Ion: 95 Resp: 3644

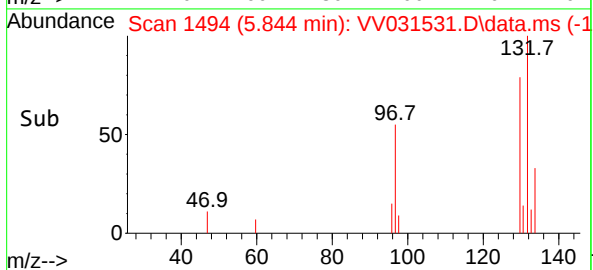
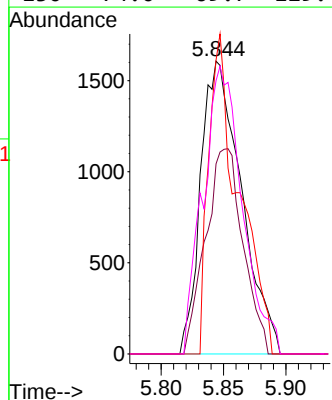
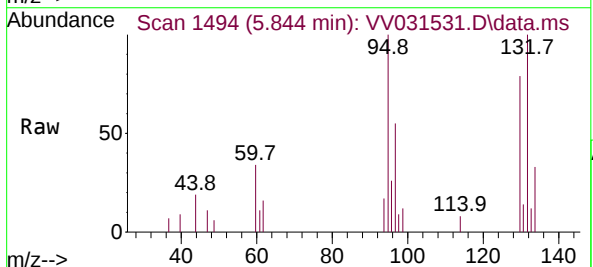
Ion Ratio Lower Upper

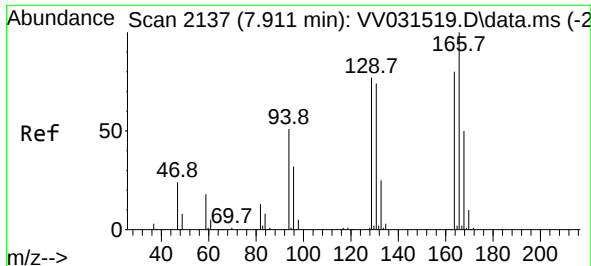
95 100

97 51.5 46.8 86.8

132 89.3 66.4 123.2

130 74.0 69.7 129.4





#46

Tetrachloroethene

Concen: 4.330 ug/L

RT: 7.915 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Instrument :

MSVOA\_V

ClientSampleId :

EXYS9

Tgt Ion:164 Resp: 4871

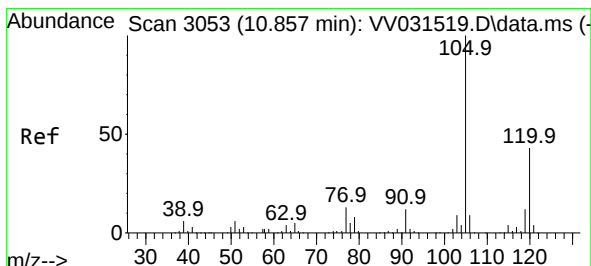
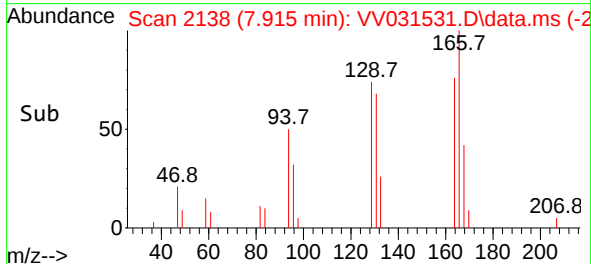
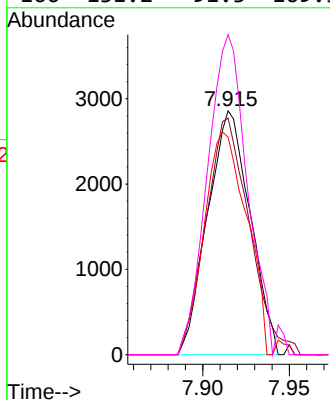
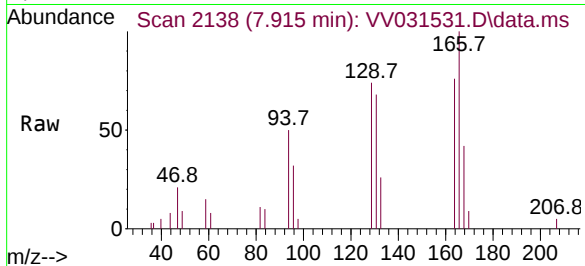
Ion Ratio Lower Upper

164 100

129 97.0 68.4 127.0

131 89.2 67.6 125.6

166 131.2 91.3 169.5



#63

1,2,4-Trimethylbenzene

Concen: 0.873 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031531.D

Acq: 15 Jun 2023 15:13

Tgt Ion:105 Resp: 3208

Ion Ratio Lower Upper

105 100

120 45.6 33.4 50.2

