

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061523\  
 Data File : VW031549.D  
 Acq On : 15 Jun 2023 23:28  
 Operator : SY/MD  
 Sample : 03254-07  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW4

Quant Time: Jun 16 06:18:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 16 05:51:14 2023  
 Response via : Initial Calibration

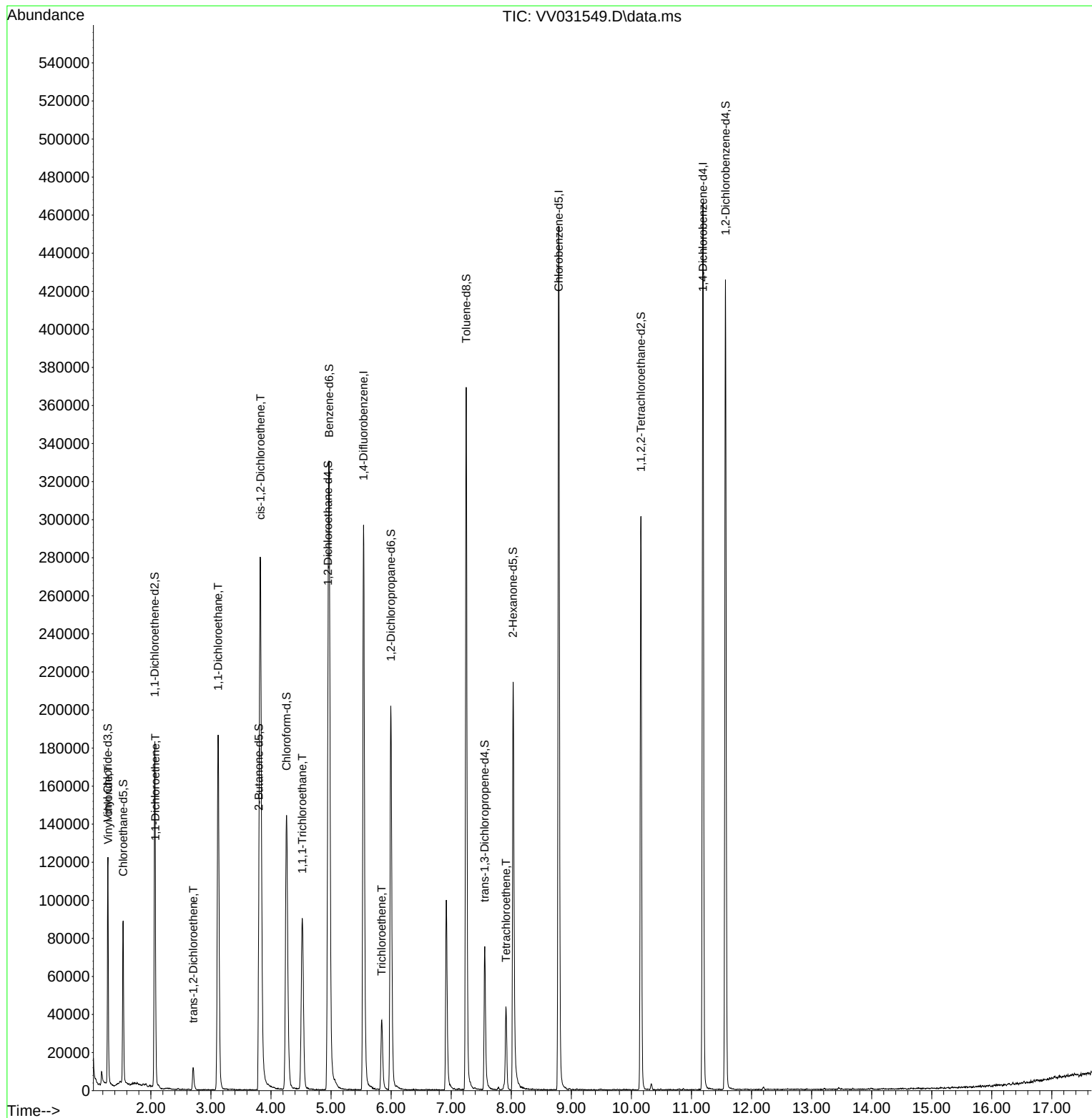
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 238042   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789   | 117   | 240734   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191  | 152   | 116078   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282   | 65    | 57777    | 36.470   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 72.940%  |
| 7) Chloroethane-d5            | 1.539   | 69    | 56061    | 40.556   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 81.120%  |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 30846    | 37.779   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 75.560%  |
| 21) 2-Butanone-d5             | 3.799   | 46    | 112151   | 87.426   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 87.430%  |
| 24) Chloroform-d              | 4.259   | 84    | 162461   | 40.947   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 81.900%  |
| 26) 1,2-Dichloroethane-d4     | 4.950   | 65    | 107476   | 43.295   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.600%  |
| 32) Benzene-d6                | 4.970   | 84    | 283220   | 41.797   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.600%  |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 100891   | 42.009   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 84.020%  |
| 41) Toluene-d8                | 7.249   | 98    | 241937   | 38.908   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 77.820%# |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 46334    | 39.575   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 79.140%  |
| 47) 2-Hexanone-d5             | 8.030   | 63    | 79546    | 83.886   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 83.890%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 144727   | 39.924   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 79.840%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567  | 152   | 106187   | 47.991   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.980%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.288   | 62    | 22935    | 9.711    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.076   | 96    | 2201     | 1.250    | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 2.706   | 96    | 4665     | 2.537    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.121   | 63    | 194601   | 49.041   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.825   | 96    | 133701   | 67.291   | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.519   | 97    | 79399    | 20.571   | ug/L   | 100      |
| 34) Trichloroethene           | 5.844   | 95    | 13399    | 6.256    | ug/L   | 87       |
| 46) Tetrachloroethene         | 7.912   | 164   | 10268    | 6.109    | ug/L   | 88       |
| -----                         |         |       |          |          |        |          |

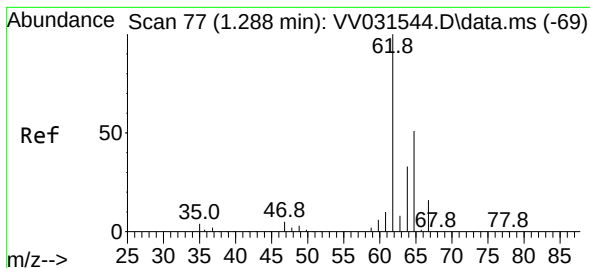
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061523\  
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Quant Title : VOC Analysis  
QLast Update : Fri Jun 16 05:51:14 2023  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.711 ug/L

RT: 1.288 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV031549.D

Acq: 15 Jun 2023 23:28

Instrument :

MSVOA\_V

ClientSampleId :

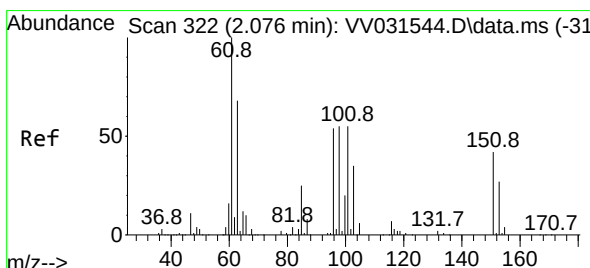
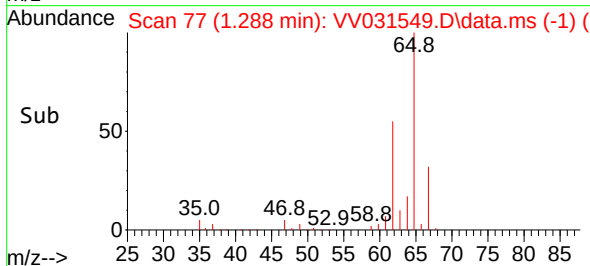
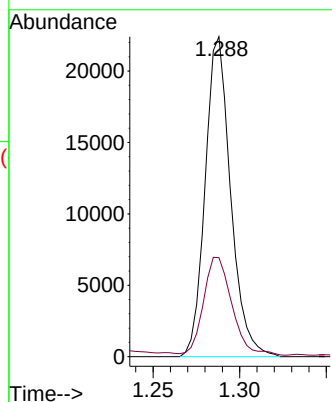
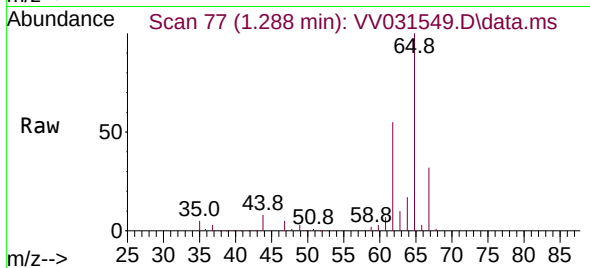
EXYW4

Tgt Ion: 62 Resp: 22935

Ion Ratio Lower Upper

62 100

64 31.0 23.4 43.4



#12

1,1-Dichloroethene

Concen: 1.250 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.000 min

Lab File: VV031549.D

Acq: 15 Jun 2023 23:28

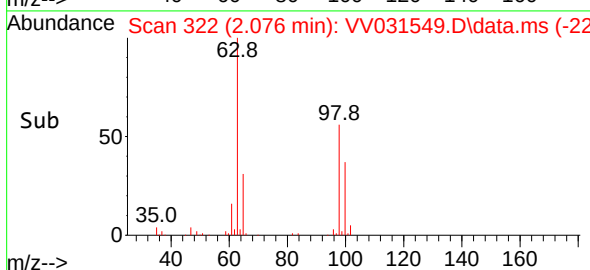
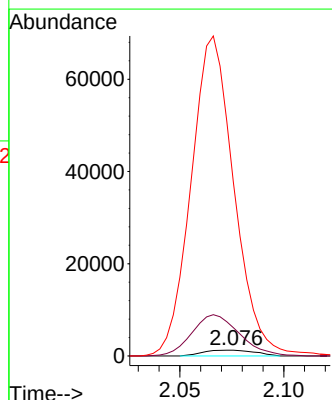
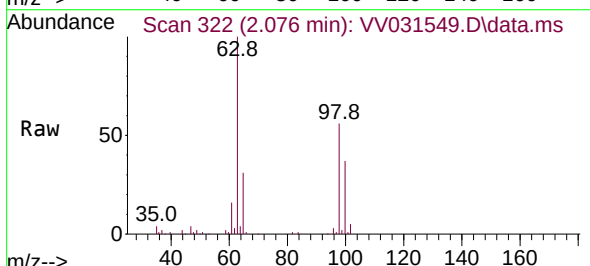
Tgt Ion: 96 Resp: 2201

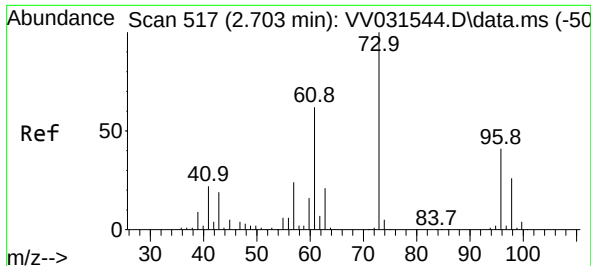
Ion Ratio Lower Upper

96 100

61 495.9 128.9 239.5#

63 3050.1 95.3 177.1#

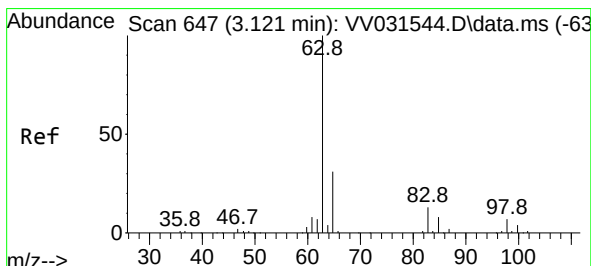
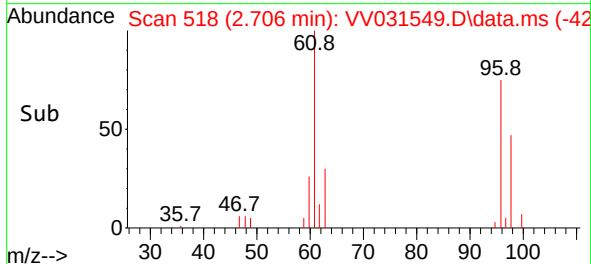
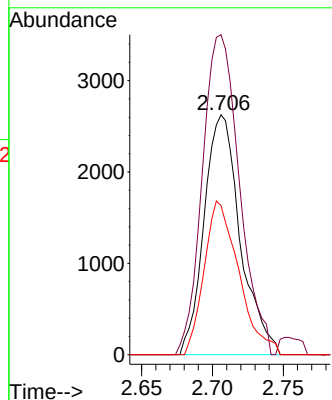
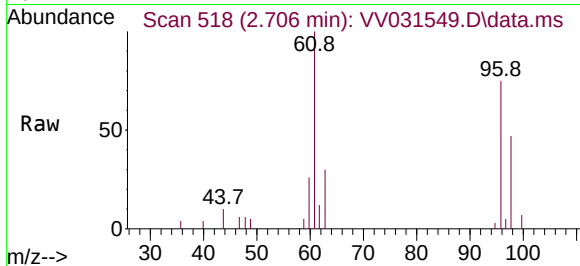




#17  
trans-1,2-Dichloroethene  
Concen: 2.537 ug/L  
RT: 2.706 min Scan# 517  
Delta R.T. 0.003 min  
Lab File: VV031549.D  
Acq: 15 Jun 2023 23:28

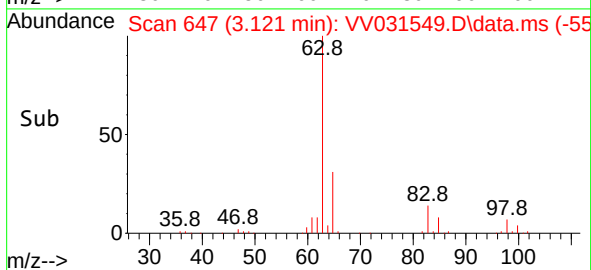
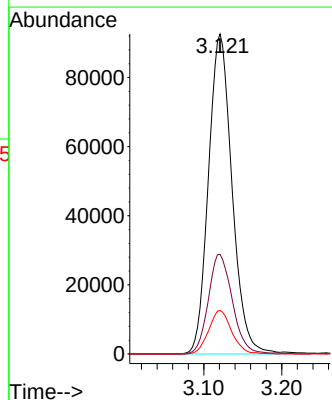
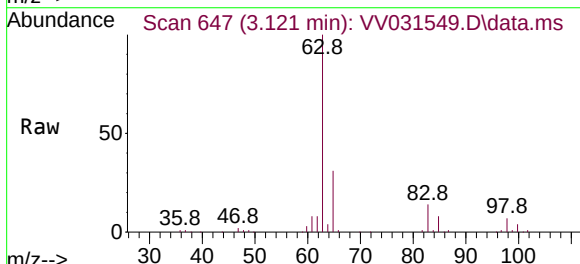
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MSVOA\_V  
ClientSampleId :  
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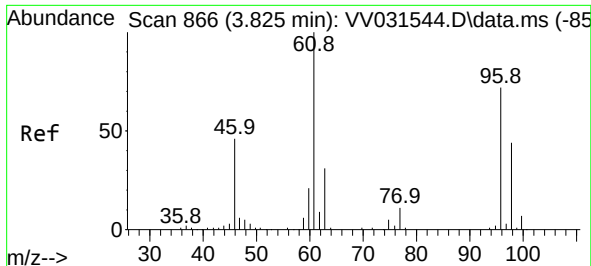
Tgt Ion: 96 Resp: 4665  
Ion Ratio Lower Upper  
96 100  
61 140.8 102.5 190.3  
98 58.3 44.1 81.9



#19  
1,1-Dichloroethane  
Concen: 49.041 ug/L  
RT: 3.121 min Scan# 647  
Delta R.T. 0.000 min  
Lab File: VV031549.D  
Acq: 15 Jun 2023 23:28

Tgt Ion: 63 Resp: 194601  
Ion Ratio Lower Upper  
63 100  
65 31.2 22.5 41.7  
83 13.6 10.0 18.6

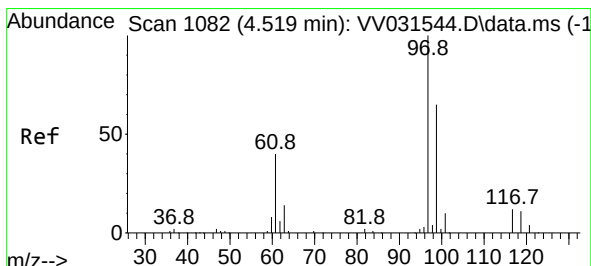
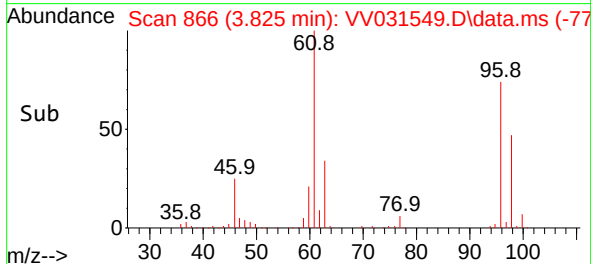
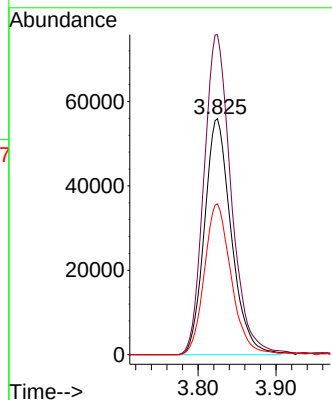
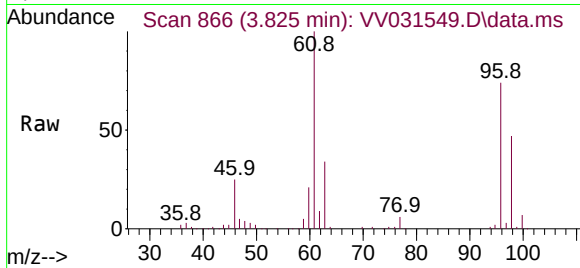




#20  
 cis-1,2-Dichloroethene  
 Concen: 67.291 ug/L  
 RT: 3.825 min Scan# 866  
 Delta R.T. 0.000 min  
 Lab File: VV031549.D  
 Acq: 15 Jun 2023 23:28

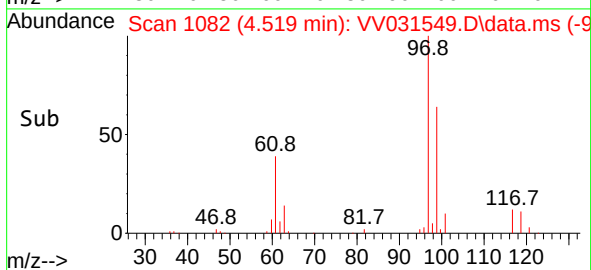
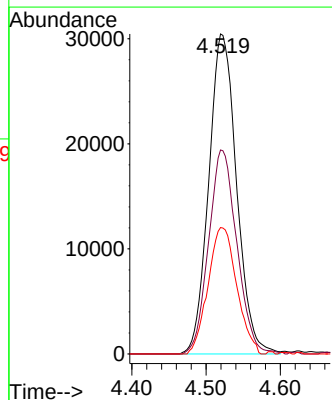
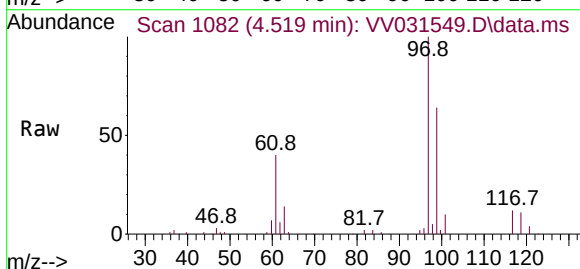
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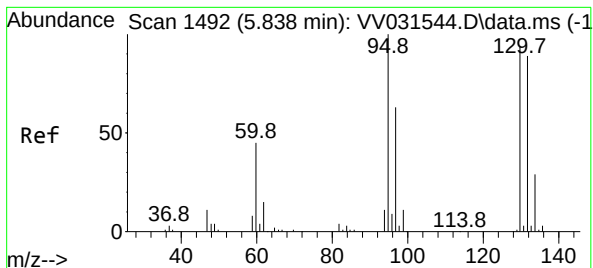
Tgt Ion: 96 Resp: 133701  
 Ion Ratio Lower Upper  
 96 100  
 61 135.6 98.6 183.0  
 98 64.0 45.7 84.9



#30  
 1,1,1-Trichloroethane  
 Concen: 20.571 ug/L  
 RT: 4.519 min Scan# 1082  
 Delta R.T. 0.000 min  
 Lab File: VV031549.D  
 Acq: 15 Jun 2023 23:28

Tgt Ion: 97 Resp: 79399  
 Ion Ratio Lower Upper  
 97 100  
 99 64.6 51.8 77.6  
 61 40.6 33.0 49.6





#34

Trichloroethene

Concen: 6.256 ug/L

RT: 5.844 min Scan# 1492

Delta R.T. 0.007 min

Lab File: VV031549.D

Acq: 15 Jun 2023 23:28

Instrument :

MSVOA\_V

ClientSampleId :

EXYW4

Tgt Ion: 95 Resp: 13399

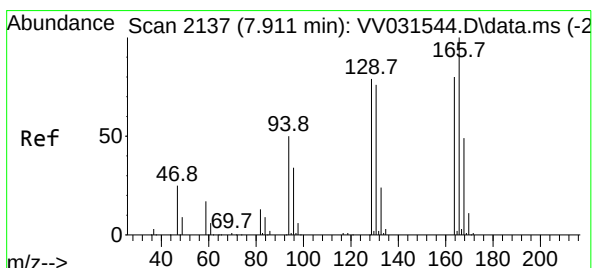
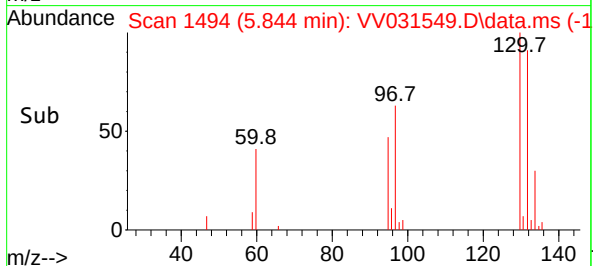
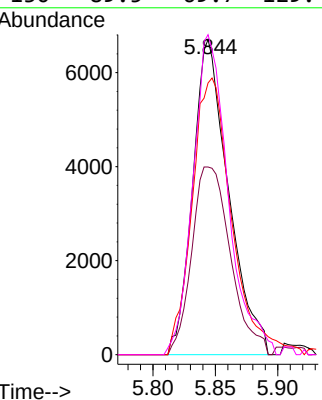
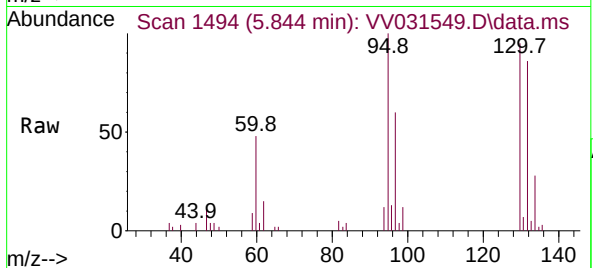
Ion Ratio Lower Upper

95 100

97 56.0 46.8 86.8

132 80.5 66.4 123.2

130 89.5 69.7 129.4



#46

Tetrachloroethene

Concen: 6.109 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031549.D

Acq: 15 Jun 2023 23:28

Tgt Ion:164 Resp: 10268

Ion Ratio Lower Upper

164 100

129 89.1 68.4 127.0

131 84.0 67.6 125.6

166 113.6 91.3 169.5

