

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051923\  
 Data File : VV031121.D  
 Acq On : 19 May 2023 21:02  
 Operator : SY/MD  
 Sample : 02866-15  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GBX90

Quant Time: May 20 00:38:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051923WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 20 00:29:13 2023  
 Response via : Initial Calibration

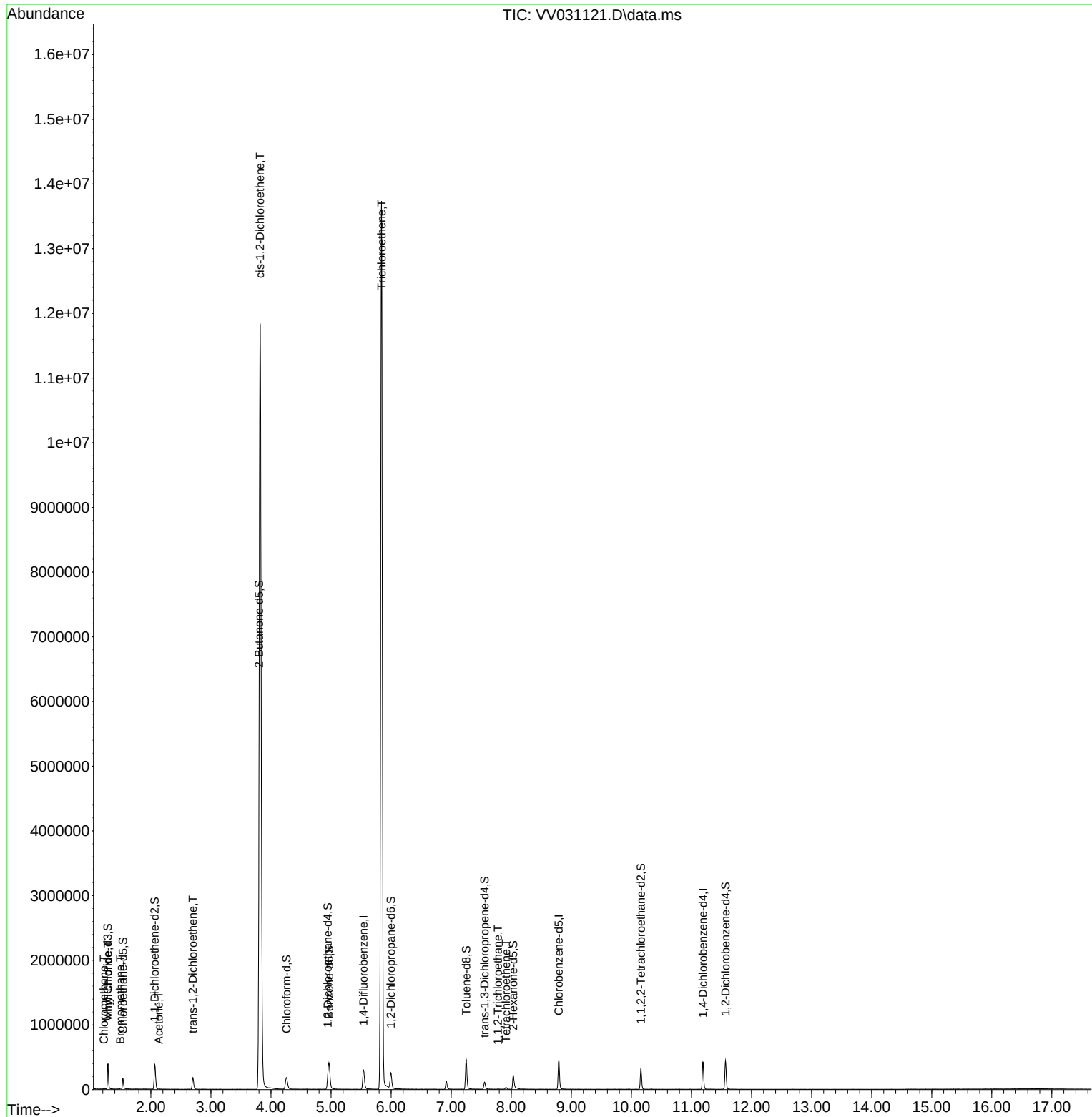
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 252782   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792   | 117   | 239337   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191  | 152   | 112158   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 101629   | 47.043   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.080%  |
| 7) Chloroethane-d5            | 1.535   | 69    | 97855    | 58.798   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 117.600% |
| 11) 1,1-Dichloroethene-d2     | 2.063   | 65    | 48306    | 47.684   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.360%  |
| 21) 2-Butanone-d5             | 3.802   | 46    | 142420   | 123.722  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 123.720% |
| 24) Chloroform-d              | 4.259   | 84    | 181934   | 47.604   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.947   | 65    | 129185   | 50.023   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.040% |
| 32) Benzene-d6                | 4.966   | 84    | 333715   | 51.434   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.860% |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 101857   | 52.467   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 104.940% |
| 41) Toluene-d8                | 7.249   | 98    | 295509   | 48.799   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 48317    | 49.607   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.220%  |
| 47) 2-Hexanone-d5             | 8.034   | 63    | 71753    | 94.796   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 94.800%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 137567   | 47.246   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.500%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567  | 152   | 111634   | 55.388   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 110.780% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.220   | 50    | 9197     | 5.148    | ug/L   | 91       |
| 5) Vinyl chloride             | 1.285   | 62    | 166545   | 104.365  | ug/L   | 98       |
| 6) Bromomethane               | 1.494   | 94    | 2918     | 3.263    | ug/L   | 86       |
| 13) Acetone                   | 2.130   | 43    | 10082    | 6.737    | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 2.699   | 96    | 65600    | 50.530   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.818   | 96    | 5898424  | 3685.558 | ug/L   | 93       |
| 34) Trichloroethene           | 5.841   | 95    | 4318623  | 2810.938 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.780   | 97    | 1755     | 1.019    | ug/L # | 86       |
| 46) Tetrachloroethene         | 7.911   | 164   | 6640     | 5.033    | ug/L   | 93       |
| -----                         |         |       |          |          |        |          |

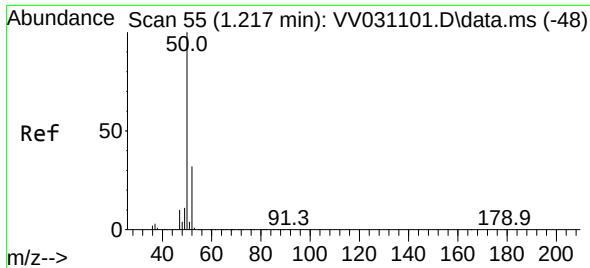
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 20 00:29:13 2023  
Response via : Initial Calibration

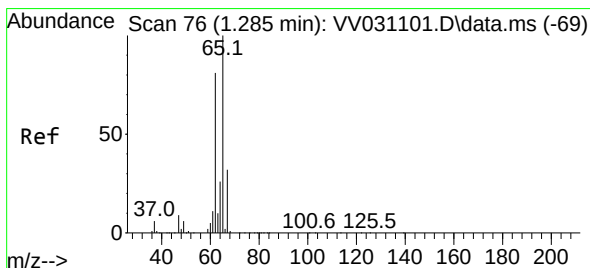
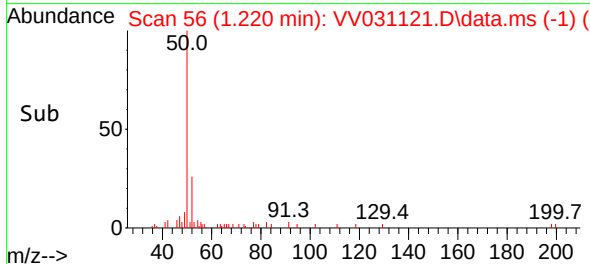
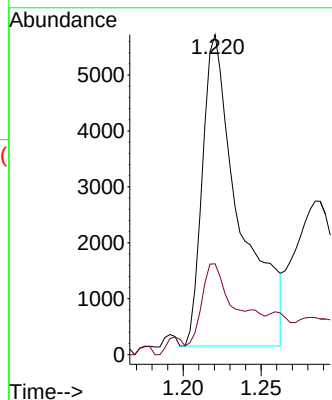
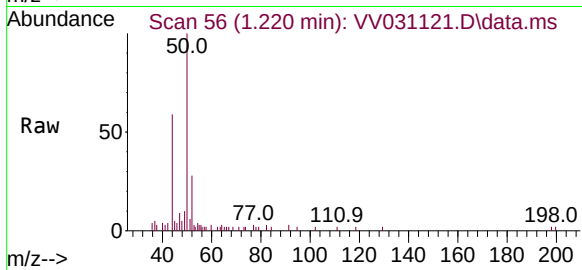




#3  
Chloromethane  
Concen: 5.148 ug/L  
RT: 1.220 min Scan# 50  
Delta R.T. 0.003 min  
Lab File: VV031121.D  
Acq: 19 May 2023 21:02

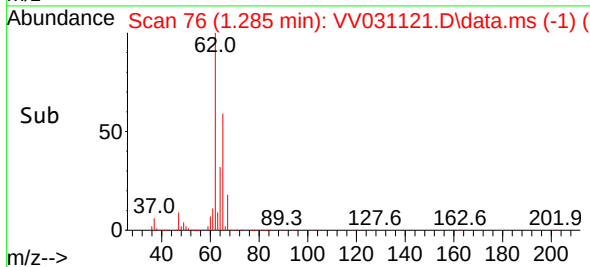
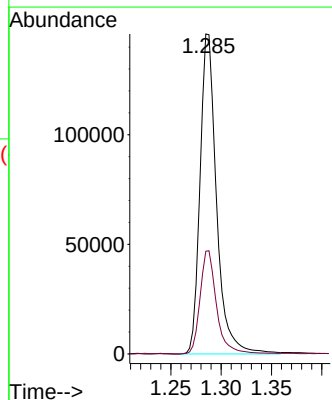
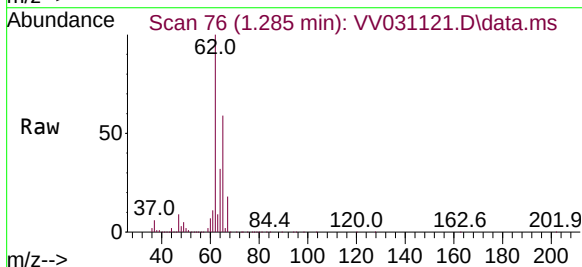
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBX90

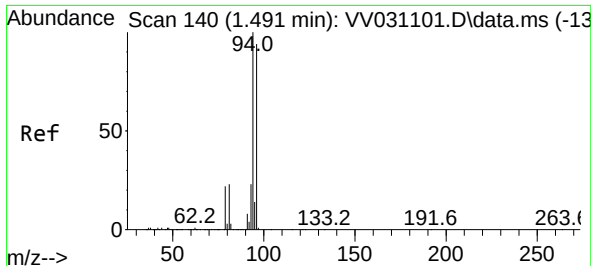
Tgt Ion: 50 Resp: 9197  
Ion Ratio Lower Upper  
50 100  
52 28.4 23.3 43.3



#5  
Vinyl chloride  
Concen: 104.365 ug/L  
RT: 1.285 min Scan# 76  
Delta R.T. -0.000 min  
Lab File: VV031121.D  
Acq: 19 May 2023 21:02

Tgt Ion: 62 Resp: 166545  
Ion Ratio Lower Upper  
62 100  
64 32.1 23.1 42.9

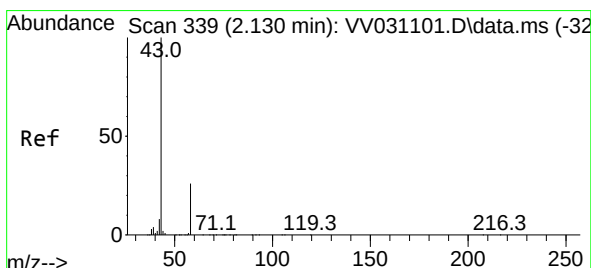
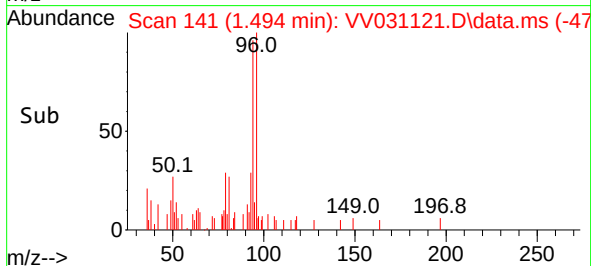
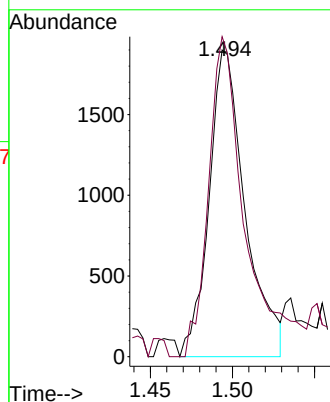
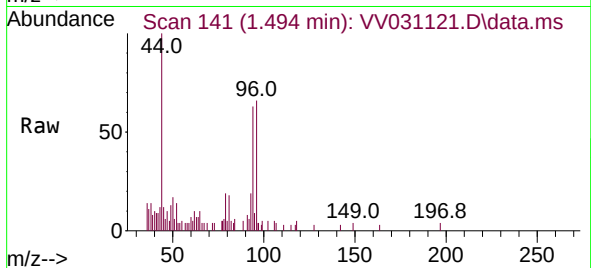




#6  
Bromomethane  
Concen: 3.263 ug/L  
RT: 1.494 min Scan# 140  
Delta R.T. 0.003 min  
Lab File: VV031121.D  
Acq: 19 May 2023 21:02

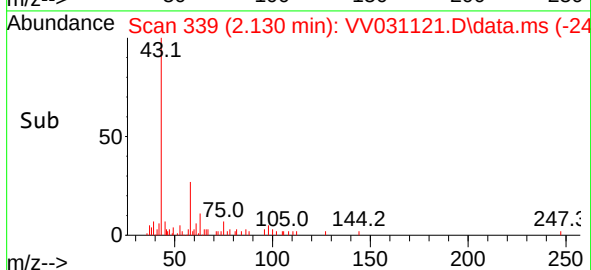
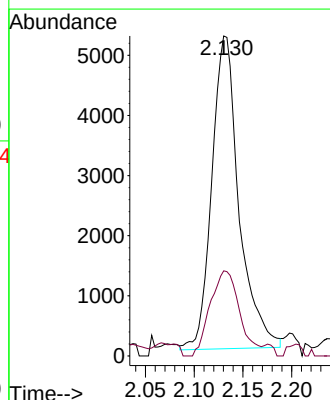
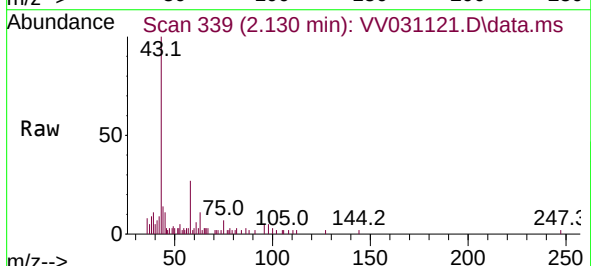
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBX90

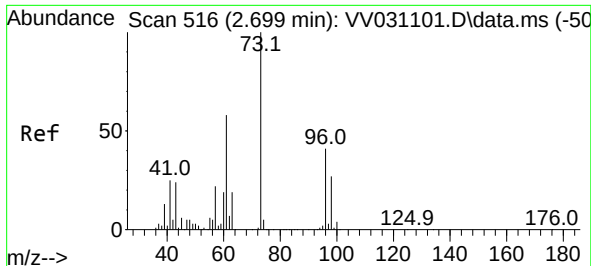
Tgt Ion: 94 Resp: 2918  
Ion Ratio Lower Upper  
94 100  
96 104.3 63.9 118.7



#13  
Acetone  
Concen: 6.737 ug/L  
RT: 2.130 min Scan# 339  
Delta R.T. -0.000 min  
Lab File: VV031121.D  
Acq: 19 May 2023 21:02

Tgt Ion: 43 Resp: 10082  
Ion Ratio Lower Upper  
43 100  
58 29.5 0.0 54.0

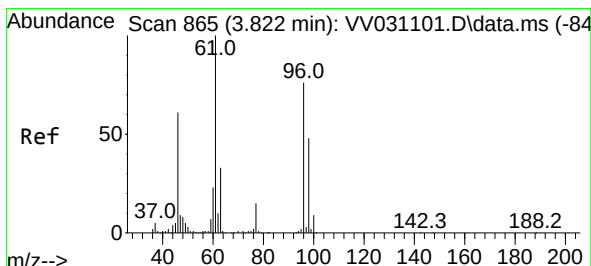
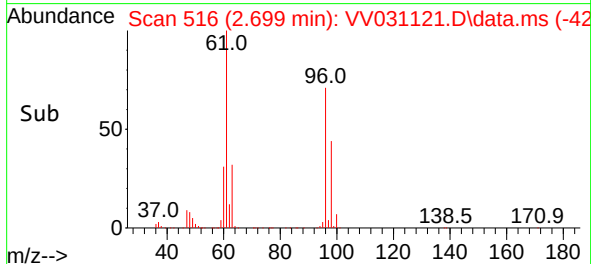
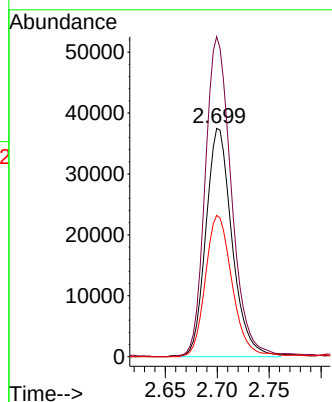
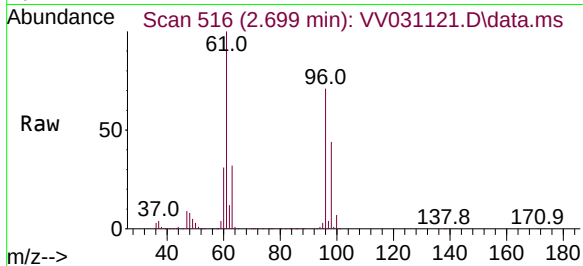




#17  
trans-1,2-Dichloroethene  
Concen: 50.530 ug/L  
RT: 2.699 min Scan# 516  
Delta R.T. -0.000 min  
Lab File: VV031121.D  
Acq: 19 May 2023 21:02

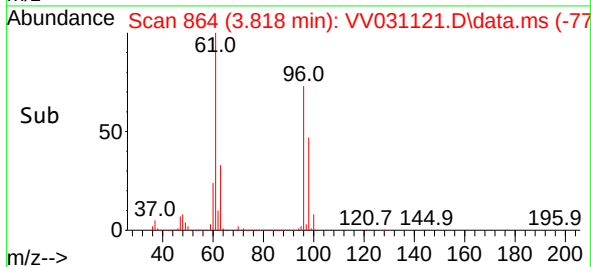
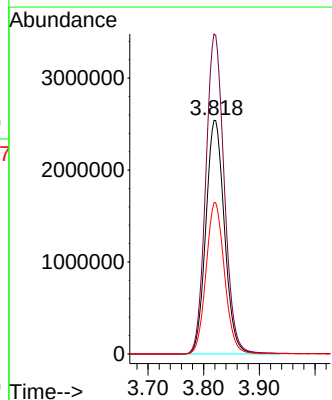
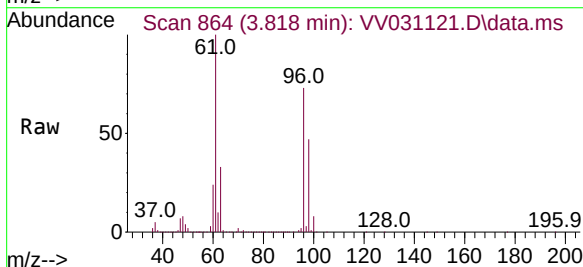
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBX90

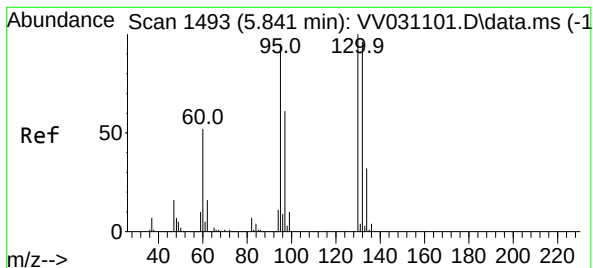
Tgt Ion: 96 Resp: 65600  
Ion Ratio Lower Upper  
96 100  
61 140.1 100.0 185.6  
98 61.9 45.4 84.2



#20  
cis-1,2-Dichloroethene  
Concen: 3685.558 ug/L  
RT: 3.818 min Scan# 864  
Delta R.T. -0.003 min  
Lab File: VV031121.D  
Acq: 19 May 2023 21:02

Tgt Ion: 96 Resp: 5898424  
Ion Ratio Lower Upper  
96 100  
61 137.0 89.2 165.6  
98 64.7 43.0 80.0





#34

Trichloroethene

Concen: 2810.938 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV031121.D

Acq: 19 May 2023 21:02

Instrument :

MSVOA\_V

ClientSampleId :

GBX90

Tgt Ion: 95 Resp: 4318623

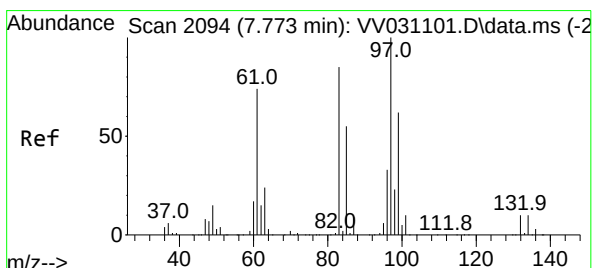
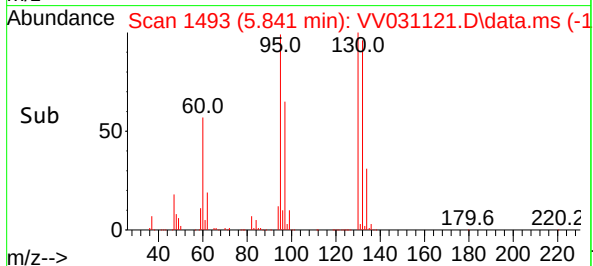
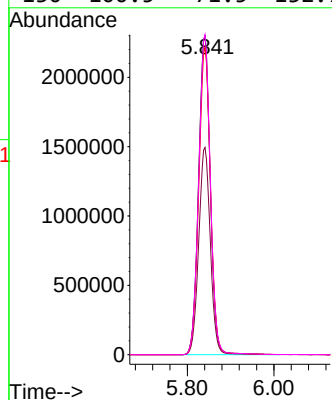
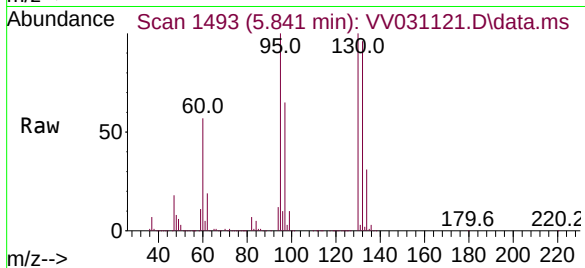
Ion Ratio Lower Upper

95 100

97 65.1 44.4 82.5

132 96.5 70.2 130.4

130 100.5 71.5 132.7



#45

1,1,2-Trichloroethane

Concen: 1.019 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.006 min

Lab File: VV031121.D

Acq: 19 May 2023 21:02

Tgt Ion: 97 Resp: 1755

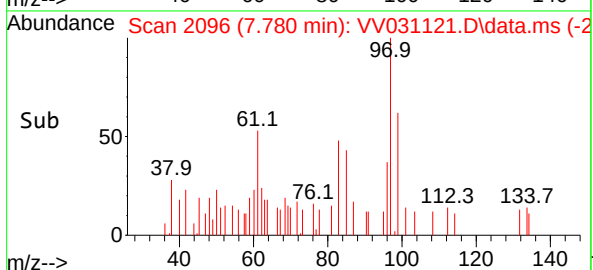
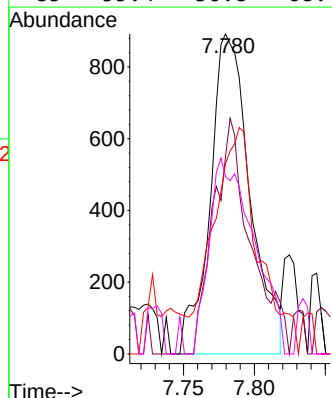
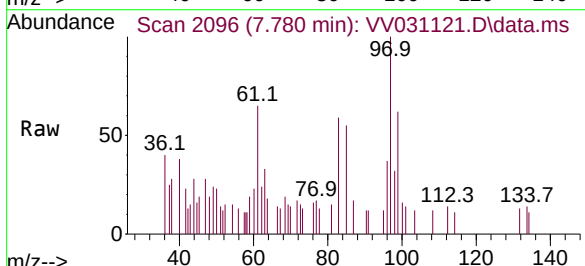
Ion Ratio Lower Upper

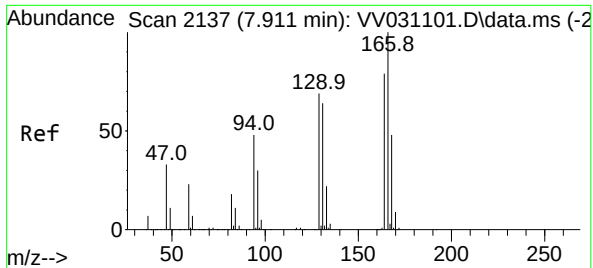
97 100

99 61.7 43.2 80.2

83 59.4 60.5 112.3#

85 55.4 36.8 68.4





#46  
 Tetrachloroethene  
 Concen: 5.033 ug/L  
 RT: 7.911 min Scan# 2137  
 Delta R.T. -0.000 min  
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 Acq: 19 May 2023 21:02

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 MSVOA\_V  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 6640  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 87.5  | 65.5  | 121.7 |
| 131      | 81.1  | 62.1  | 115.3 |
| 166      | 125.8 | 93.4  | 173.4 |

