

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW051623\  
 Data File : VW031050.D  
 Acq On : 16 May 2023 14:05  
 Operator : SY/MD  
 Sample : 02790-06DL 200X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

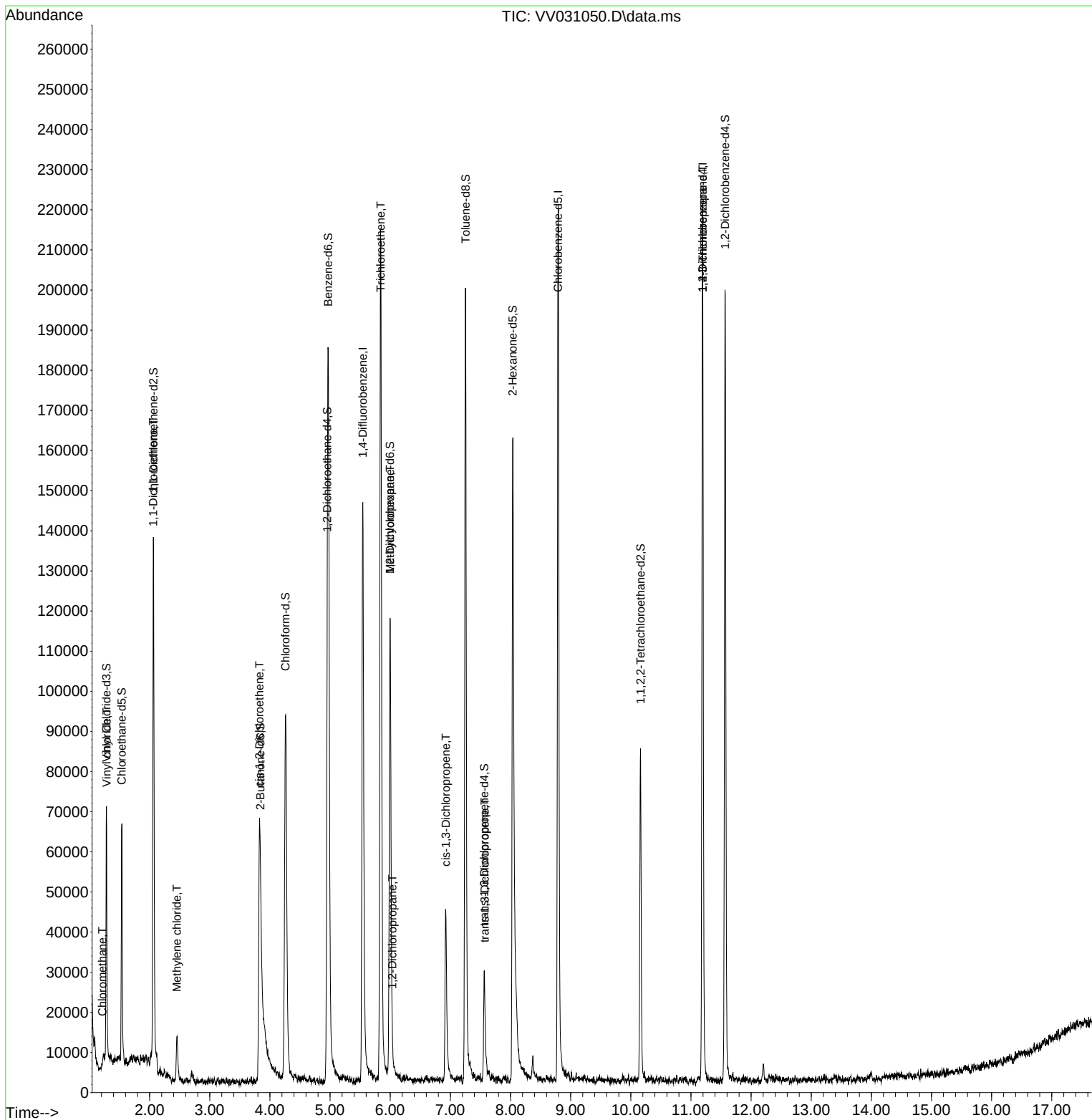
Instrument :  
 MSVOA\_V  
 ClientSampleId :

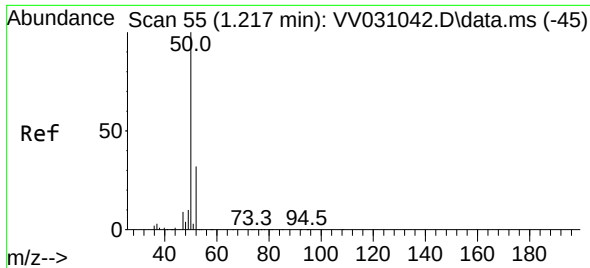
Quant Time: May 17 01:43:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed May 17 01:41:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114   | 125907   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793  | 117   | 123684   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 61776    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65    | 38002    | 3.663    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 73.200%  |
| 7) Chloroethane-d5            | 1.536  | 69    | 37154    | 4.391    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 65    | 21509    | 3.918    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.400%  |
| 20) 2-Butanone-d5             | 3.841  | 46    | 80659    | 43.848   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 87.700%  |
| 24) Chloroform-d              | 4.259  | 84    | 95359    | 4.626    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 51952    | 4.957    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.200%  |
| 32) Benzene-d6                | 4.970  | 84    | 161984   | 4.468    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.400%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 48836    | 4.633    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.600%  |
| 41) Toluene-d8                | 7.252  | 98    | 137234   | 3.975    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 79.600%  |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79    | 15761    | 3.988    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 79.800%  |
| 46) 2-Hexanone-d5             | 8.037  | 63    | 61558    | 44.462   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 35472    | 4.642    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.571 | 152   | 53543    | 4.650    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.217  | 50    | 1219     | 0.104    | ug/L   | 91       |
| 5) Vinyl chloride             | 1.285  | 62    | 4485     | 0.459    | ug/L # | 73       |
| 12) 1,1-Dichloroethene        | 2.060  | 96    | 1370     | 0.162    | ug/L # | 1        |
| 16) Methylene chloride        | 2.455  | 84    | 5114     | 0.534    | ug/L   | 85       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96    | 23828    | 2.918    | ug/L   | 98       |
| 34) Trichloroethene           | 5.841  | 95    | 69869    | 8.425    | ug/L   | 98       |
| 35) Methylcyclohexane         | 5.998  | 83    | 13074    | 1.017    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.037  | 63    | 437      | 0.059    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 6.924  | 75    | 1799     | 0.163    | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 7.571  | 75    | 1194     | 0.127    | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 11.194 | 75    | 6193     | 1.596    | ug/L # | 58       |
| -----                         |        |       |          |          |        |          |

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

Quant Time: May 17 01:43:47 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed May 17 01:41:23 2023  
Response via : Initial Calibration

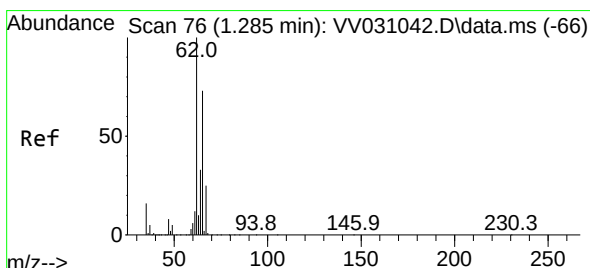
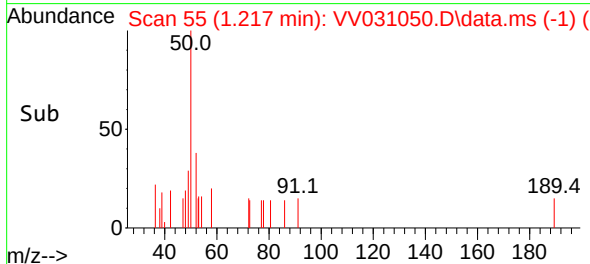
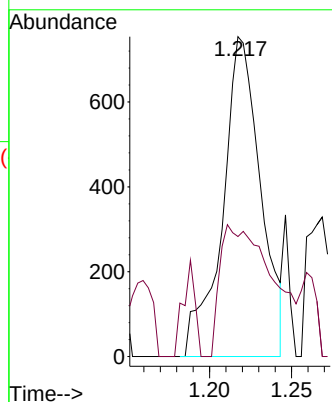
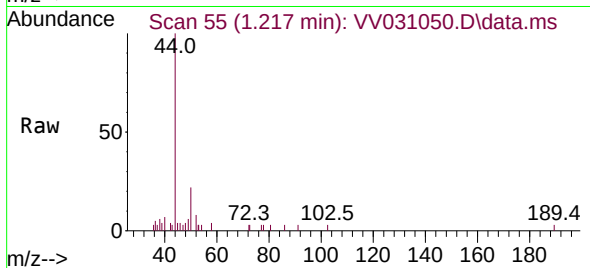




#3  
Chloromethane  
Concen: 0.104 ug/L  
RT: 1.217 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VV031050.D  
Acq: 16 May 2023 14:05

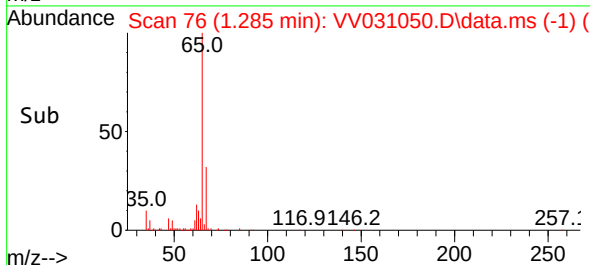
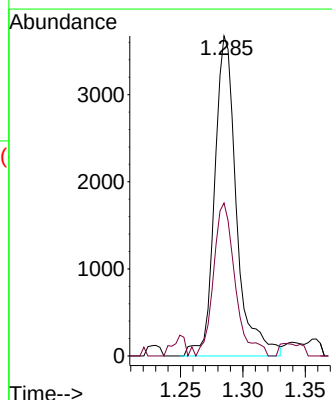
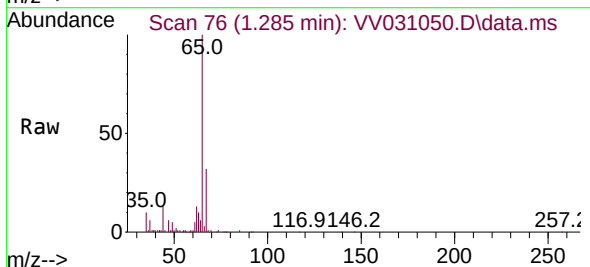
Instrument :  
MSVOA\_V  
ClientSampleId :

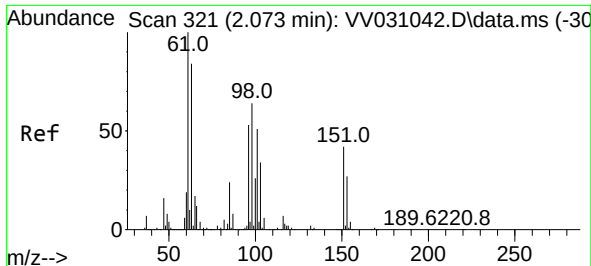
Tgt Ion: 50 Resp: 1219  
Ion Ratio Lower Upper  
50 100  
52 37.5 22.8 42.4



#5  
Vinyl chloride  
Concen: 0.459 ug/L  
RT: 1.285 min Scan# 76  
Delta R.T. 0.000 min  
Lab File: VV031050.D  
Acq: 16 May 2023 14:05

Tgt Ion: 62 Resp: 4485  
Ion Ratio Lower Upper  
62 100  
64 47.8 22.8 42.4#





#12

1,1-Dichloroethene

Concen: 0.162 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.013 min

Lab File: VV031050.D

Acq: 16 May 2023 14:05

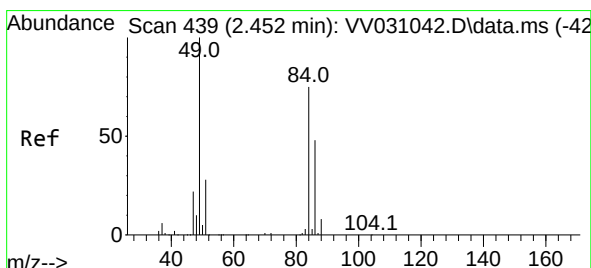
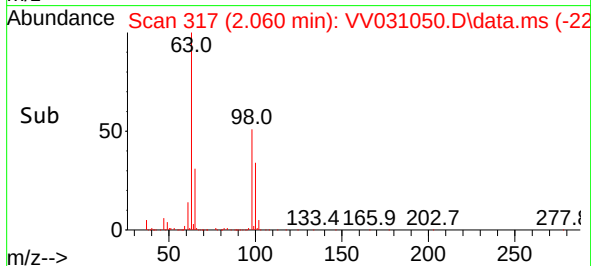
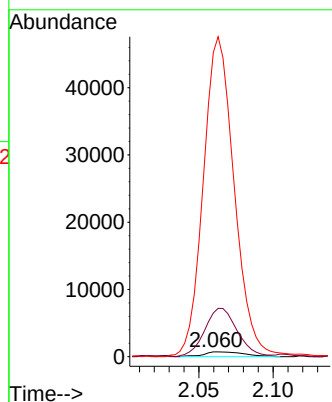
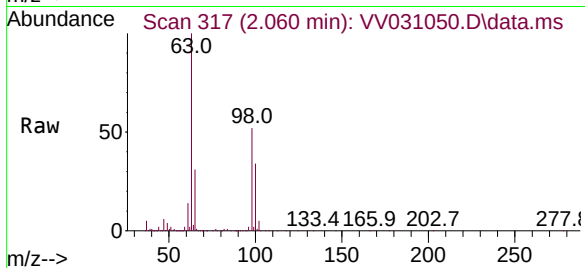
Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 96 Resp: 1370

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 896.0  | 135.6 | 251.8# |
| 63  | 6240.0 | 121.1 | 224.9# |



#16

Methylene chloride

Concen: 0.534 ug/L

RT: 2.455 min Scan# 440

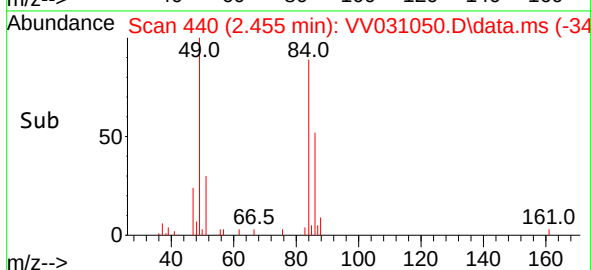
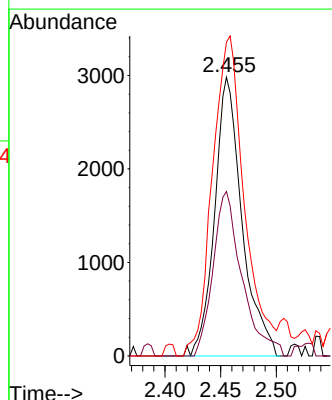
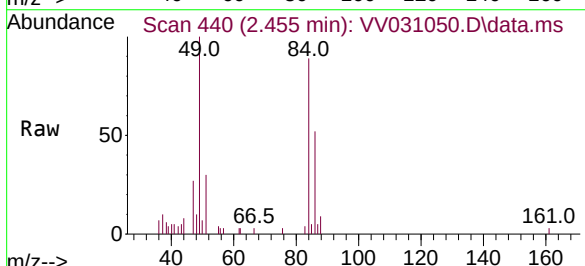
Delta R.T. 0.003 min

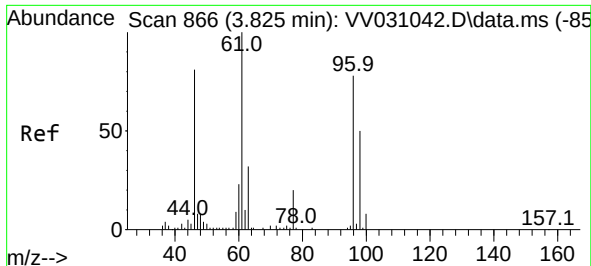
Lab File: VV031050.D

Acq: 16 May 2023 14:05

Tgt Ion: 84 Resp: 5114

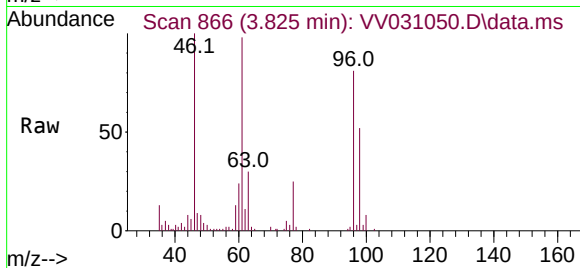
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 59.0  | 46.1  | 85.5  |
| 49  | 112.6 | 94.3  | 175.1 |





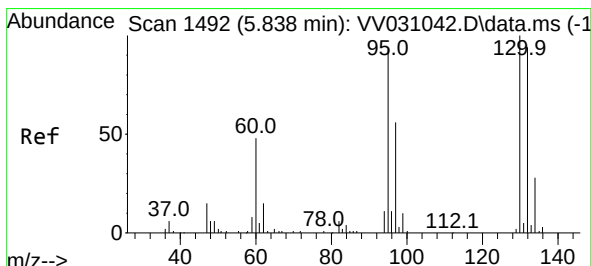
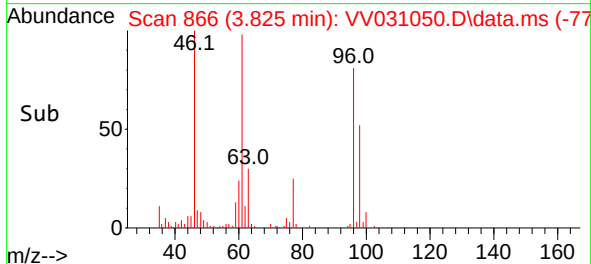
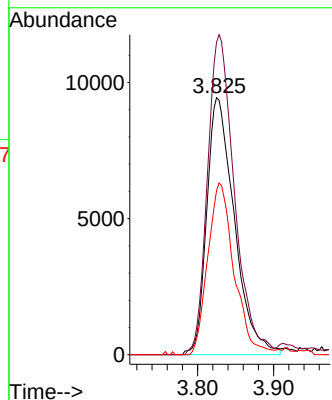
#22  
 cis-1,2-Dichloroethene  
 Concen: 2.918 ug/L  
 RT: 3.825 min Scan# 866  
 Delta R.T. -0.000 min  
 Lab File: VV031050.D  
 Acq: 16 May 2023 14:05

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 23828

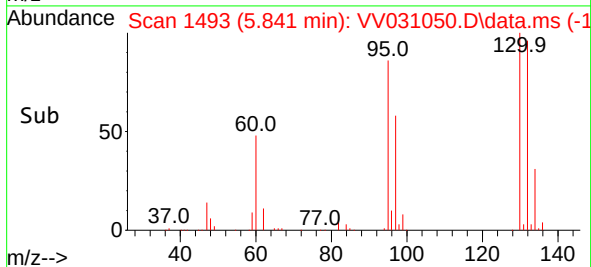
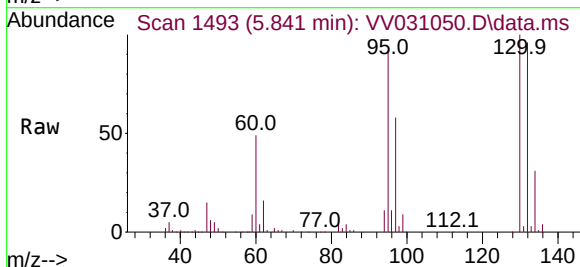
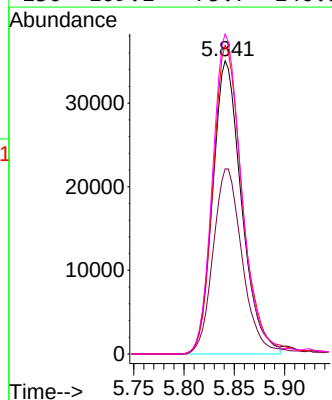
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 121.6 | 86.0  | 159.6 |
| 98  | 63.8  | 43.2  | 80.2  |

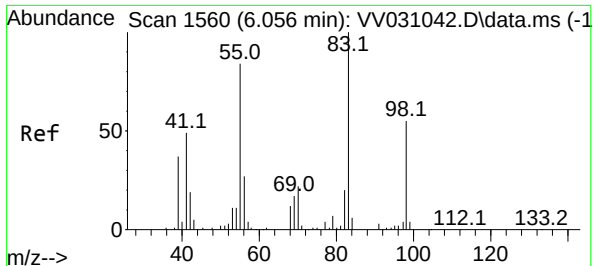


#34  
 Trichloroethene  
 Concen: 8.425 ug/L  
 RT: 5.841 min Scan# 1493  
 Delta R.T. 0.003 min  
 Lab File: VV031050.D  
 Acq: 16 May 2023 14:05

Tgt Ion: 95 Resp: 69869

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.1  | 46.2  | 85.8  |
| 132 | 105.3 | 72.7  | 135.1 |
| 130 | 109.1 | 75.7  | 140.5 |





#35

Methylcyclohexane

Concen: 1.017 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.058 min

Lab File: VV031050.D

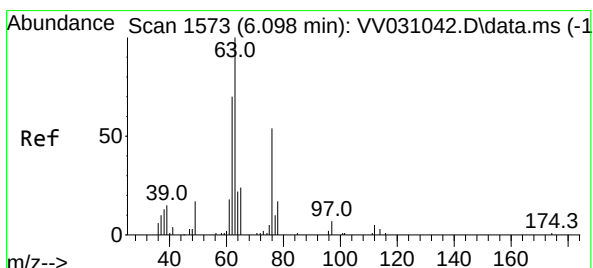
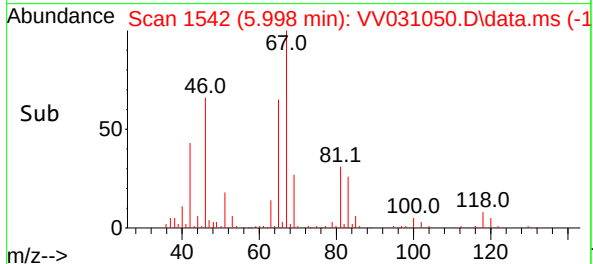
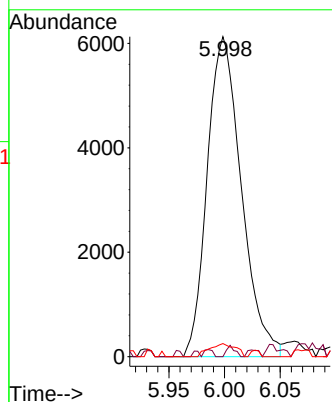
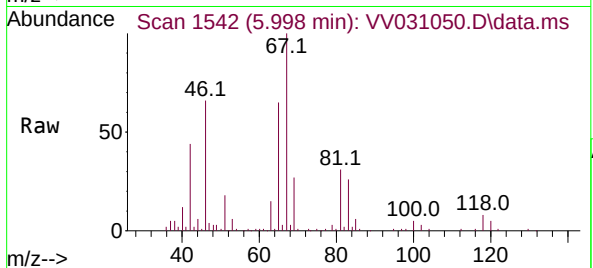
Acq: 16 May 2023 14:05

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 13074 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.8   | 62.9  | 94.3# |
| 98       | 3.1   | 40.5  | 60.7# |



#37

1,2-Dichloropropane

Concen: 0.059 ug/L

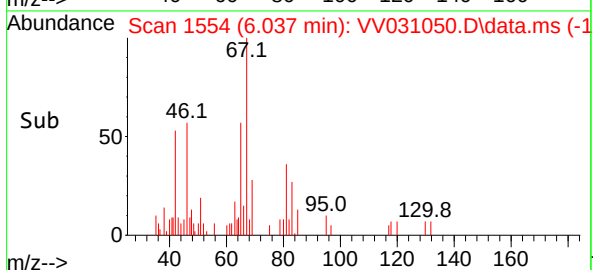
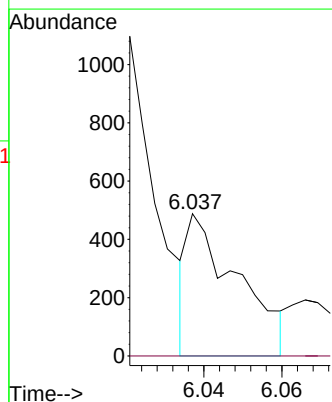
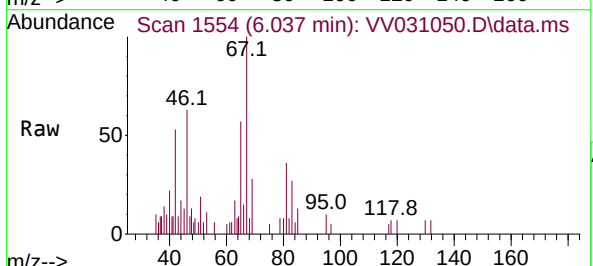
RT: 6.037 min Scan# 1554

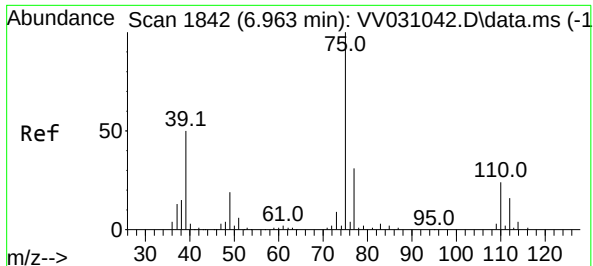
Delta R.T. -0.061 min

Lab File: VV031050.D

Acq: 16 May 2023 14:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 437   |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 3.8   | 5.8#  |





#39

cis-1,3-Dichloropropene

Concen: 0.163 ug/L

RT: 6.924 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV031050.D

Acq: 16 May 2023 14:05

Instrument :

MSVOA\_V

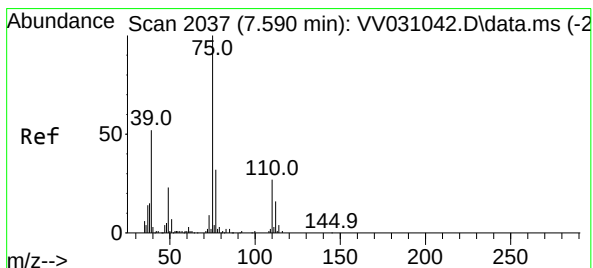
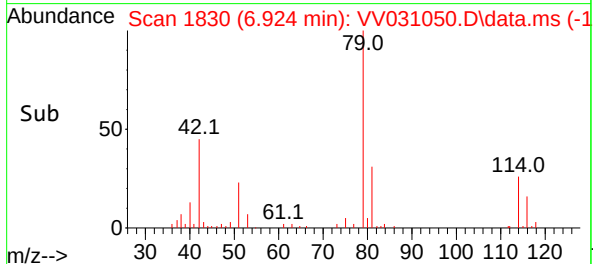
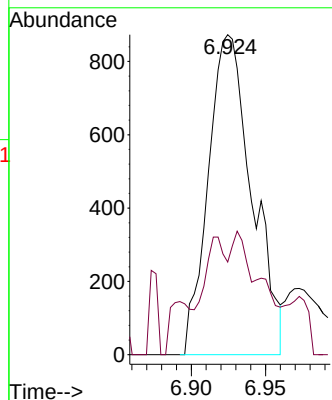
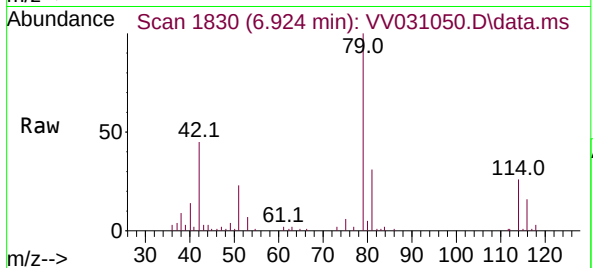
ClientSampleId :

Tgt Ion: 75 Resp: 1799

Ion Ratio Lower Upper

75 100

77 29.0 22.6 42.0



#44

trans-1,3-Dichloropropene

Concen: 0.127 ug/L

RT: 7.571 min Scan# 2031

Delta R.T. -0.019 min

Lab File: VV031050.D

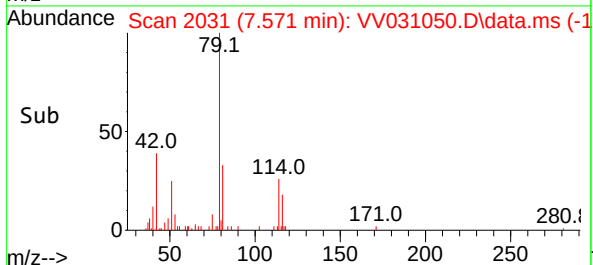
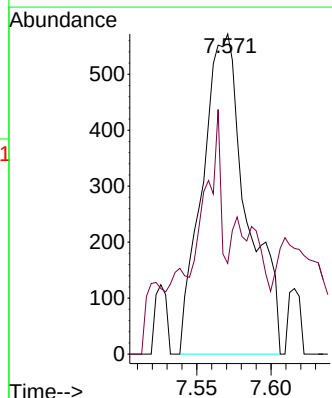
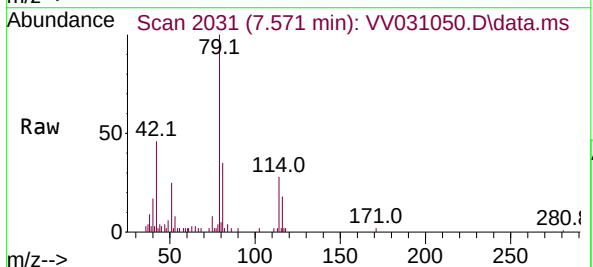
Acq: 16 May 2023 14:05

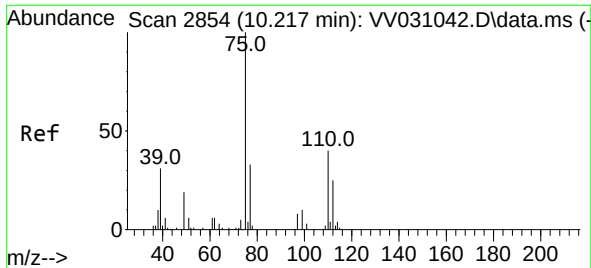
Tgt Ion: 75 Resp: 1194

Ion Ratio Lower Upper

75 100

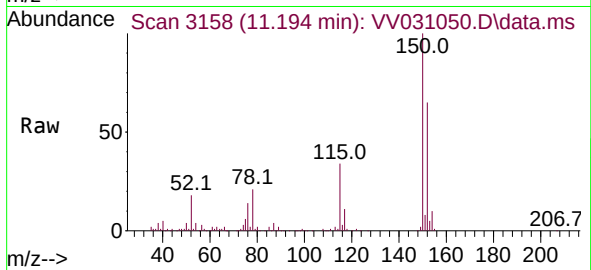
77 28.3 21.6 40.0





#61  
 1,2,3-Trichloropropane  
 Concen: 1.596 ug/L  
 RT: 11.194 min Scan# 31  
 Delta R.T. 0.977 min  
 Lab File: VV031050.D  
 Acq: 16 May 2023 14:05

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 6193        |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 41.3  | 25.3 37.9#  |
| 110         | 3.7   | 34.0 51.0#  |

