

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060121\  
 Data File : VW021466.D  
 Acq On : 01 Jun 2021 17:46  
 Operator : SY/MD  
 Sample : M2568-04  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 02 00:51:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR052521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jun 02 00:49:39 2021  
 Response via : Initial Calibration

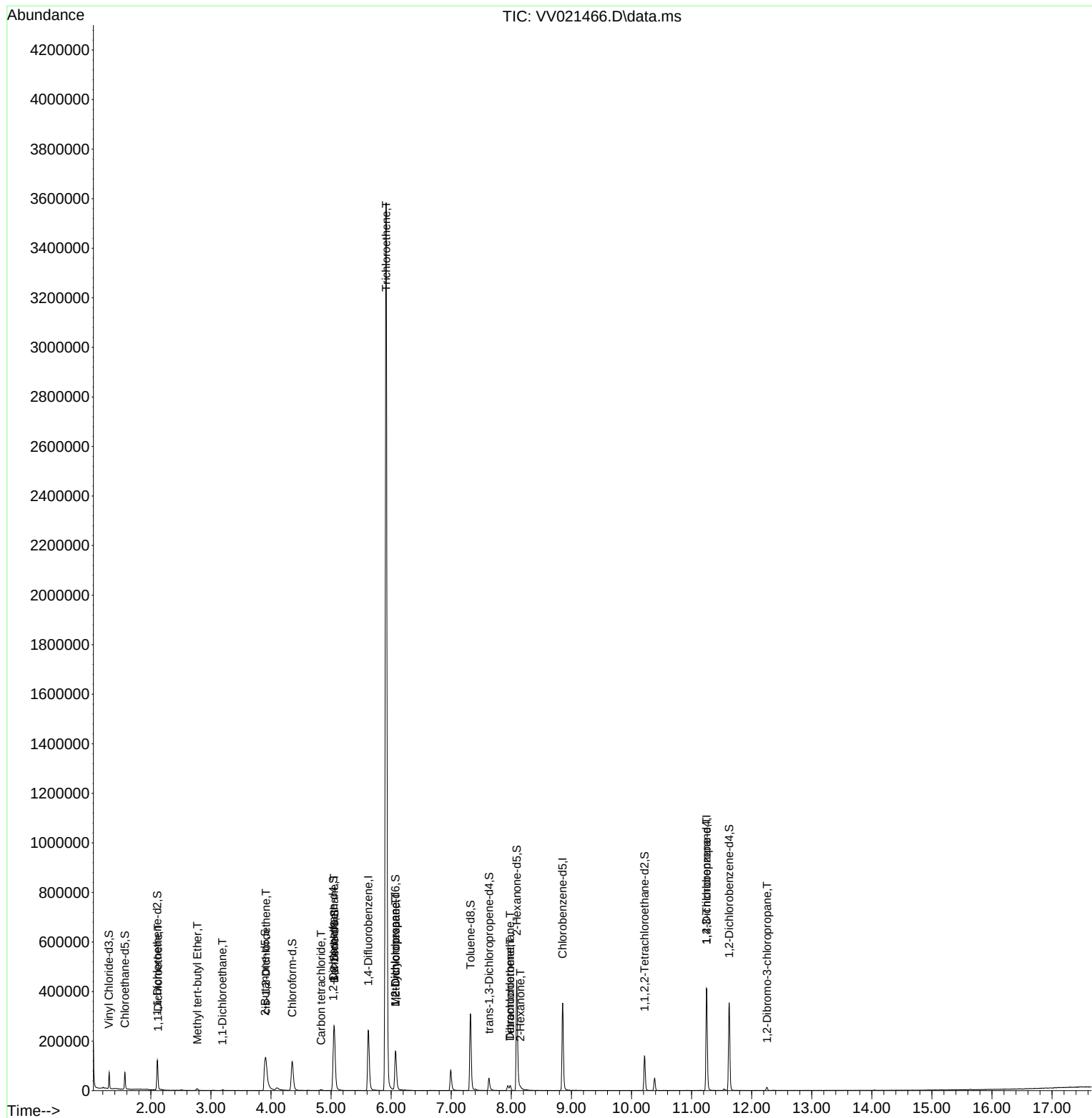
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 228946   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 215309   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 121220   | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 39948    | 4.12     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.40%   |
| 7) Chloroethane-d5            | 1.568  | 69    | 44375    | 4.80     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 96.00%   |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 58009    | 3.16     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 63.20%   |
| 20) 2-Butanone-d5             | 3.899  | 46    | 200908   | 57.70    | ug/L   | -0.03    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 115.40%  |
| 24) Chloroform-d              | 4.352  | 84    | 126960   | 4.73     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.60%   |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 62749    | 5.08     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.60%  |
| 32) Benzene-d6                | 5.053  | 84    | 244181   | 4.71     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.20%   |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 80499    | 4.79     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.80%   |
| 41) Toluene-d8                | 7.320  | 98    | 215947   | 4.55     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.00%   |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 31905    | 4.56     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.20%   |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 168172   | 51.08    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.16%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 67358    | 4.97     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.40%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 103007   | 4.93     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.60%   |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 2190     | 0.19     | ug/L # | 1        |
| 17) Methyl tert-butyl Ether   | 2.773  | 73    | 6665     | 0.20     | ug/L # | 88       |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 3131     | 0.13     | ug/L   | 89       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 31469    | 2.04     | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.050  | 62    | 1197     | 0.09     | ug/L # | 72       |
| 31) Carbon tetrachloride      | 4.834  | 117   | 2763     | 0.13     | ug/L   | 92       |
| 34) Trichloroethene           | 5.915  | 95    | 1226654  | 79.49    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.072  | 83    | 19637    | 0.77     | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.072  | 63    | 8576     | 0.61     | ug/L # | 85       |
| 47) Tetrachloroethene         | 7.982  | 164   | 5101     | 0.36     | ug/L   | 89       |
| 48) 2-Hexanone                | 8.149  | 43    | 4894     | 0.84     | ug/L # | 82       |
| 49) Dibromochloromethane      | 7.979  | 129   | 4161     | 0.30     | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 11661    | 1.35     | ug/L # | 64       |
| 68) 1,2-Dibromo-3-chloropr... | 12.259 | 75    | 162      | 0.08     | ug/L # | 1        |
| -----                         |        |       |          |          |        |          |

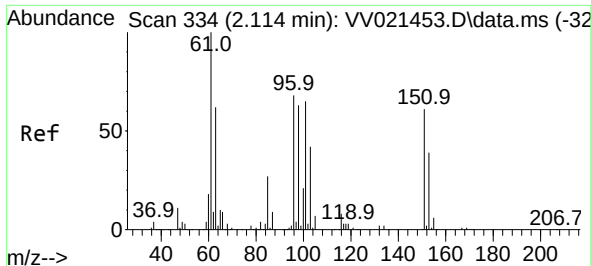
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060121\  
Data File : VV021466.D  
Acq On : 01 Jun 2021 17:46  
Operator : SY/MD  
Sample : M2568-04  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Jun 02 00:51:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR052521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jun 02 00:49:39 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.19 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.006 min

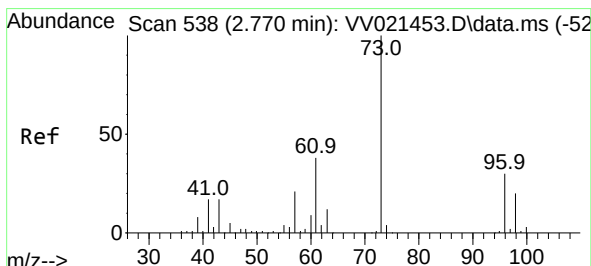
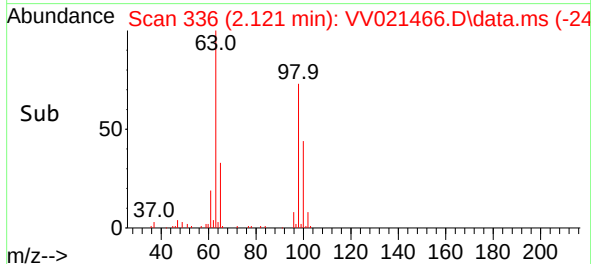
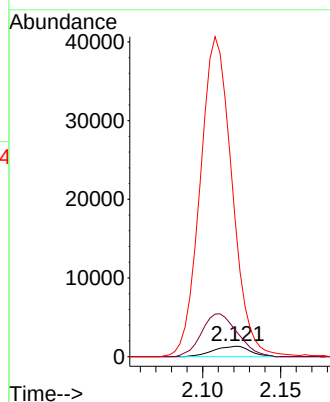
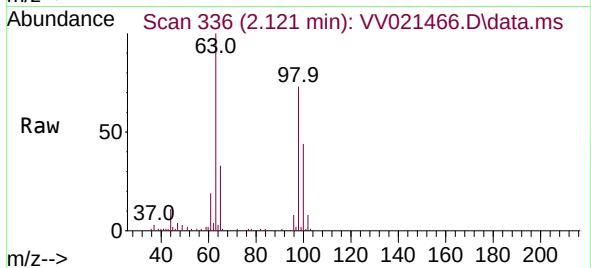
Lab File: VV021466.D

Acq: 01 Jun 2021 17:46

Tgt Ion: 96 Resp: 2190

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 256.5  | 103.7 | 192.5# |
| 63  | 1320.0 | 62.4  | 115.8# |

Instrument :  
MSVOA\_V  
ClientSampled :



#17

Methyl tert-butyl Ether

Concen: 0.20 ug/L

RT: 2.773 min Scan# 539

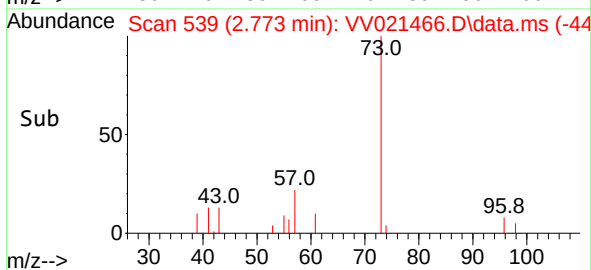
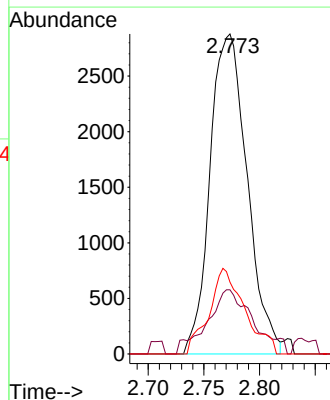
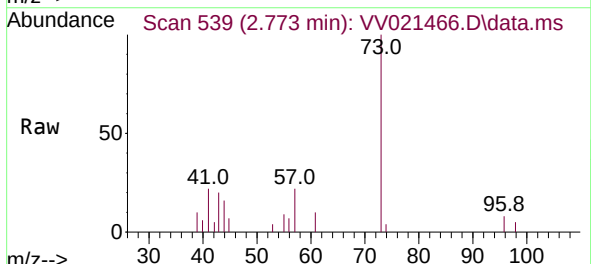
Delta R.T. 0.003 min

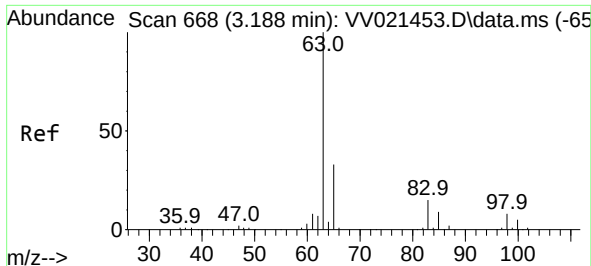
Lab File: VV021466.D

Acq: 01 Jun 2021 17:46

Tgt Ion: 73 Resp: 6665

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 24.8  | 13.4  | 20.2# |
| 57  | 25.7  | 17.8  | 26.8  |





#19

1,1-Dichloroethane

Concen: 0.13 ug/L

RT: 3.191 min Scan# 669

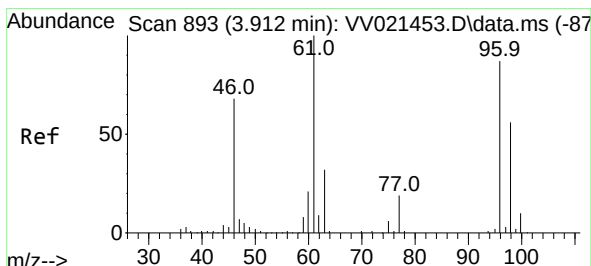
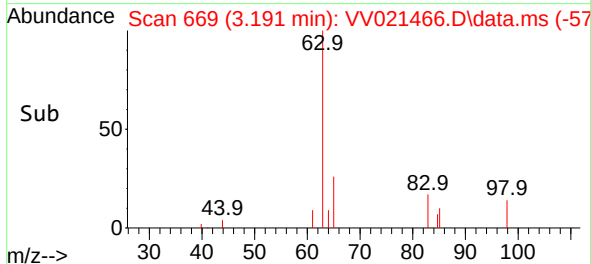
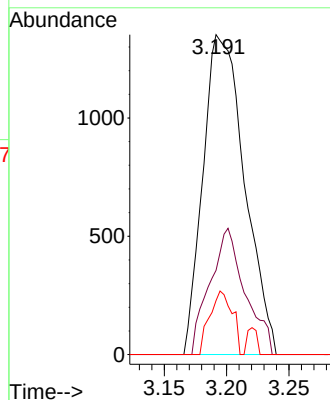
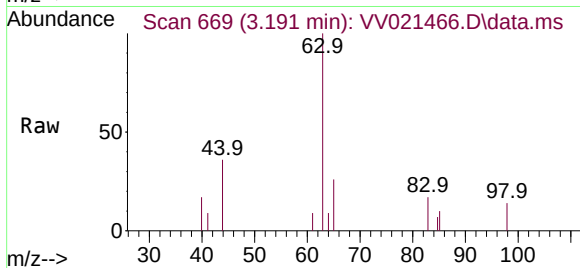
Delta R.T. 0.003 min

Lab File: VV021466.D

Acq: 01 Jun 2021 17:46

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 3131  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 26.3     | 23.2 43.2   |
| 83 16.9     | 9.4 17.4    |

Instrument :  
MSVOA\_V  
ClientSampled :



#22

cis-1,2-Dichloroethene

Concen: 2.04 ug/L

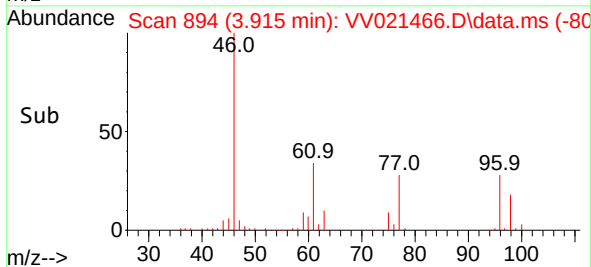
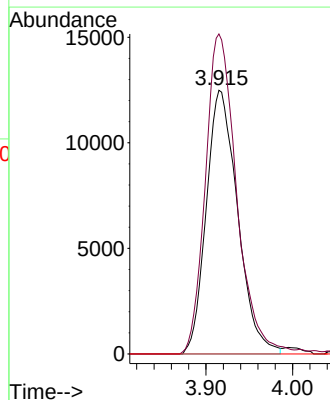
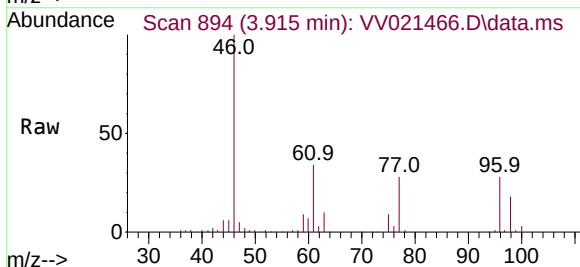
RT: 3.915 min Scan# 894

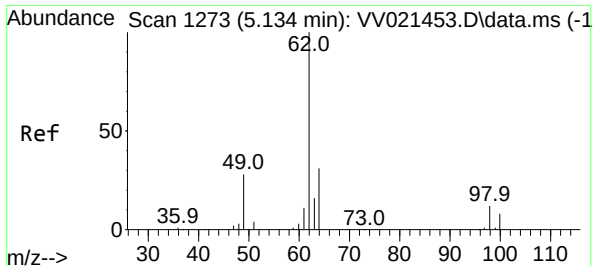
Delta R.T. 0.003 min

Lab File: VV021466.D

Acq: 01 Jun 2021 17:46

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 31469 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 121.3    | 81.9 152.1  |
| 68 0.0      | 0.0 0.0     |





#27

1,2-Dichloroethane

Concen: 0.09 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.084 min

Lab File: VV021466.D

Acq: 01 Jun 2021 17:46

Tgt Ion: 62 Resp: 1197

Ion Ratio Lower Upper

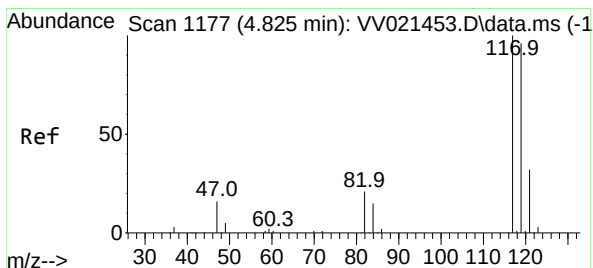
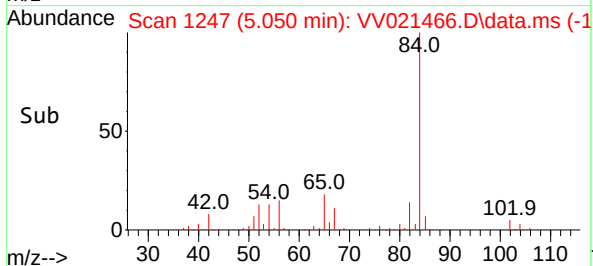
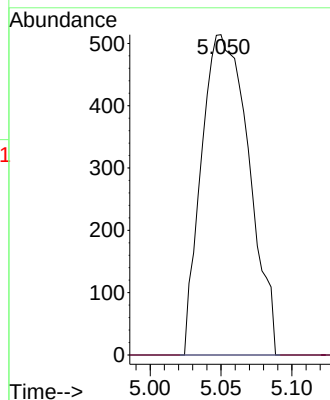
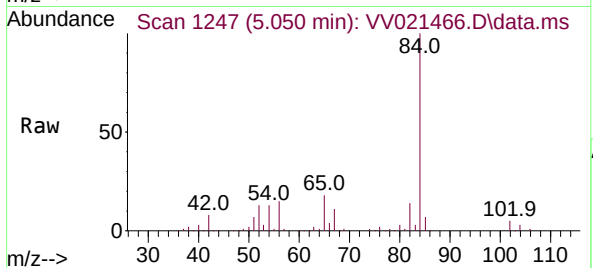
62 100

98 0.0 8.4 12.6#

Instrument :

MSVOA\_V

ClientSampled :



#31

Carbon tetrachloride

Concen: 0.13 ug/L

RT: 4.834 min Scan# 1180

Delta R.T. 0.010 min

Lab File: VV021466.D

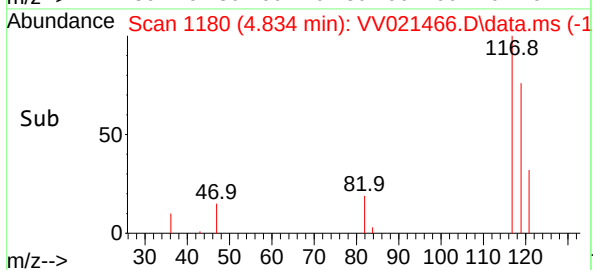
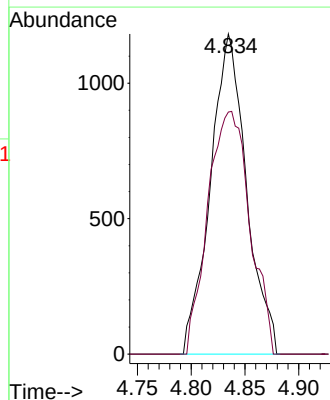
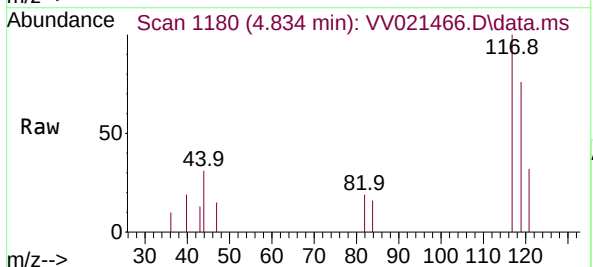
Acq: 01 Jun 2021 17:46

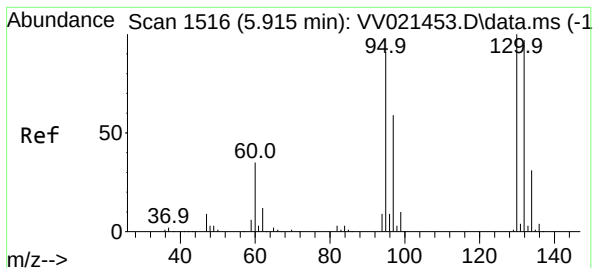
Tgt Ion: 117 Resp: 2763

Ion Ratio Lower Upper

117 100

119 88.0 77.0 115.6





#34

Trichloroethene

Concen: 79.49 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VV021466.D

Acq: 01 Jun 2021 17:46

Tgt Ion: 95 Resp: 1226654

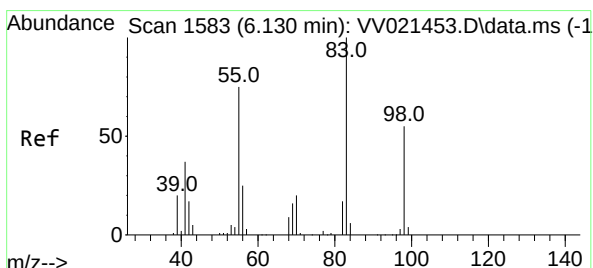
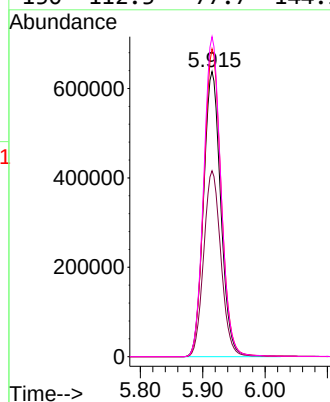
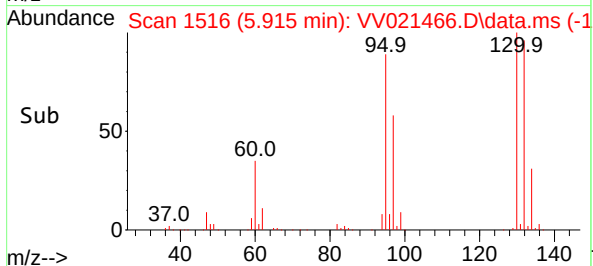
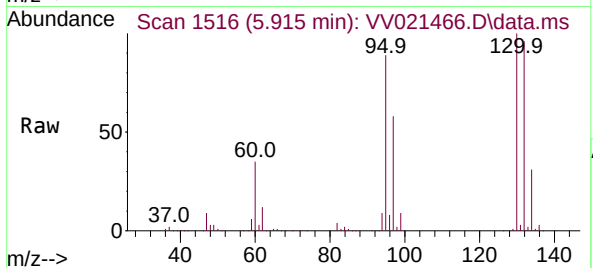
Ion Ratio Lower Upper

95 100

97 65.2 45.4 84.4

132 108.0 74.5 138.3

130 112.3 77.7 144.3



#35

Methylcyclohexane

Concen: 0.77 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

Lab File: VV021466.D

Acq: 01 Jun 2021 17:46

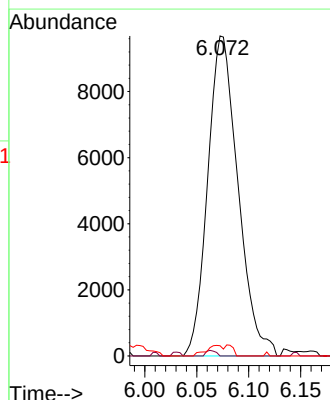
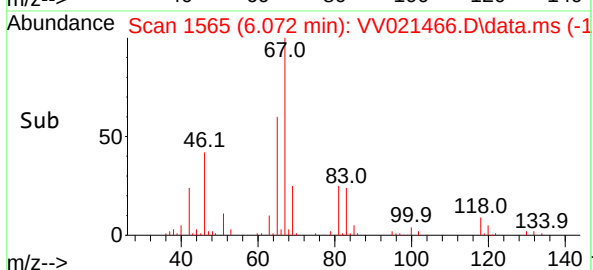
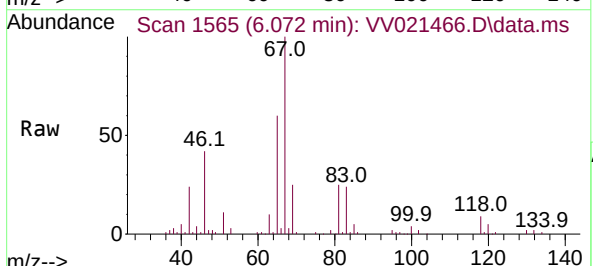
Tgt Ion: 83 Resp: 19637

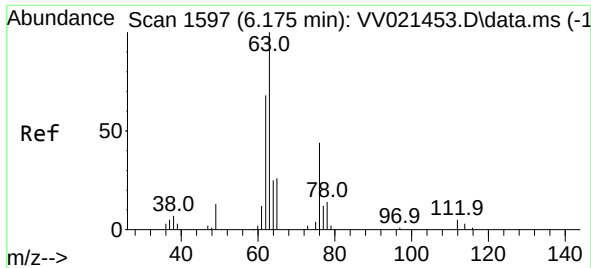
Ion Ratio Lower Upper

83 100

55 0.6 57.7 86.5#

98 0.0 40.6 61.0#

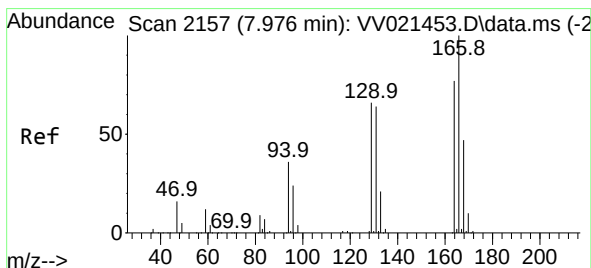
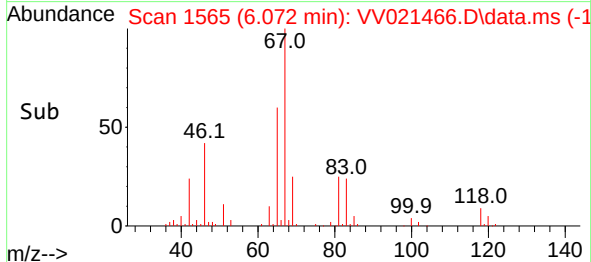
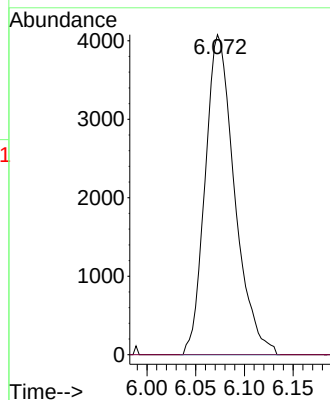
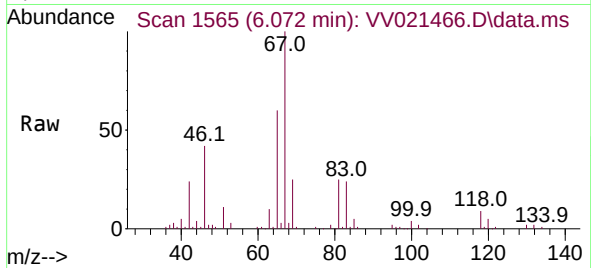




#37  
1,2-Dichloropropane  
Concen: 0.61 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.103 min  
Lab File: VV021466.D  
Acq: 01 Jun 2021 17:46

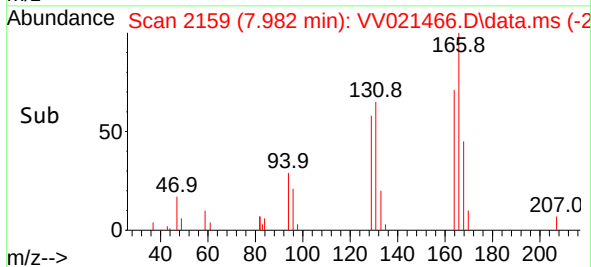
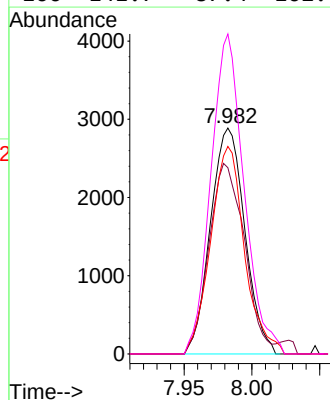
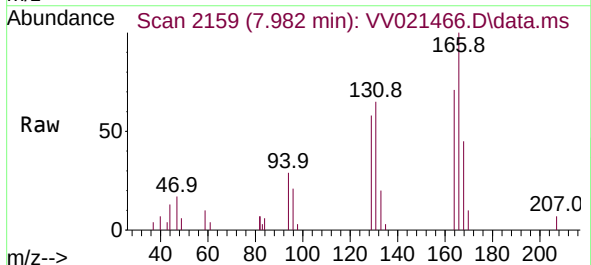
Instrument :  
MSVOA\_V  
ClientSampled :

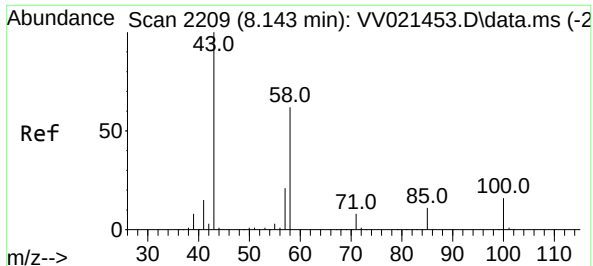
Tgt Ion: 63 Resp: 8576  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.8#



#47  
Tetrachloroethene  
Concen: 0.36 ug/L  
RT: 7.982 min Scan# 2159  
Delta R.T. 0.006 min  
Lab File: VV021466.D  
Acq: 01 Jun 2021 17:46

Tgt Ion: 164 Resp: 5101  
Ion Ratio Lower Upper  
164 100  
129 82.4 61.8 114.8  
131 91.8 57.8 107.4  
166 141.7 87.4 162.4

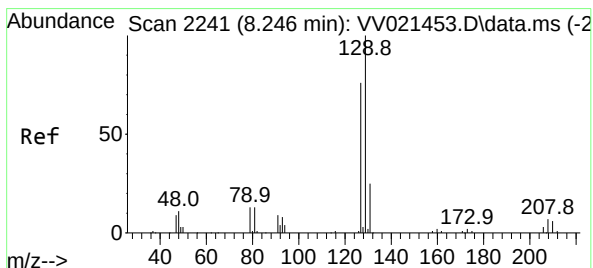
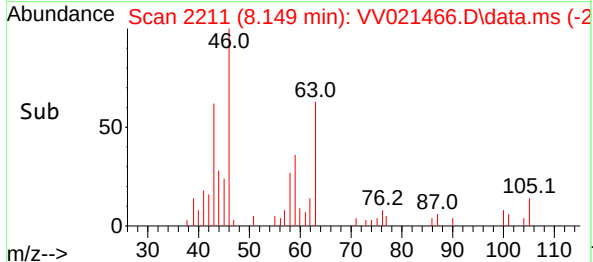
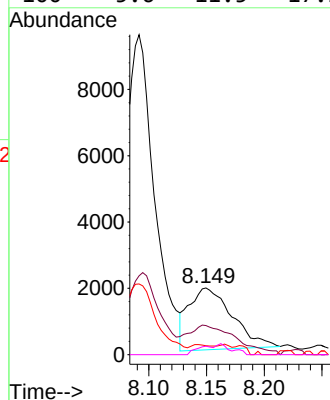
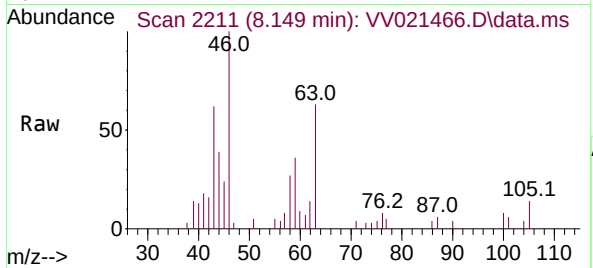




#48  
2-Hexanone  
Concen: 0.84 ug/L  
RT: 8.149 min Scan# 2211  
Delta R.T. 0.006 min  
Lab File: VV021466.D  
Acq: 01 Jun 2021 17:46

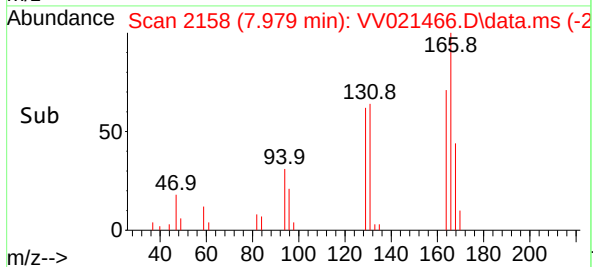
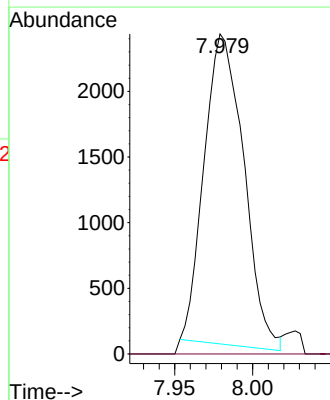
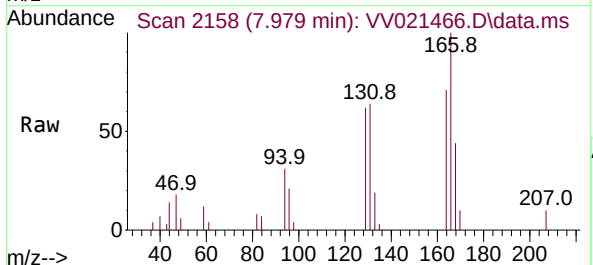
Instrument :  
MSVOA\_V  
ClientSampled :

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 4894  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 52.3     | 47.0 70.4   |
| 57 0.0      | 15.4 23.2#  |
| 100 5.6     | 11.5 17.3#  |

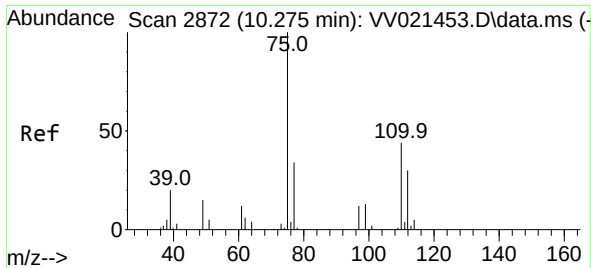


#49  
Dibromochloromethane  
Concen: 0.30 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. -0.267 min  
Lab File: VV021466.D  
Acq: 01 Jun 2021 17:46

|              |             |
|--------------|-------------|
| Tgt Ion: 129 | Resp: 4161  |
| Ion Ratio    | Lower Upper |
| 129 100      |             |
| 127 0.0      | 55.4 103.0# |



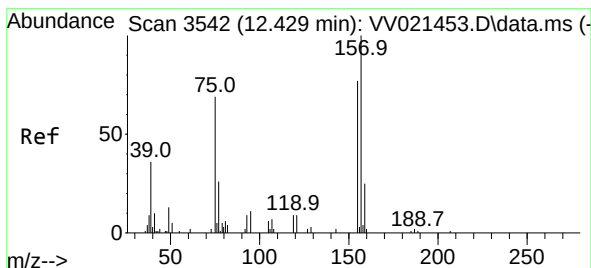
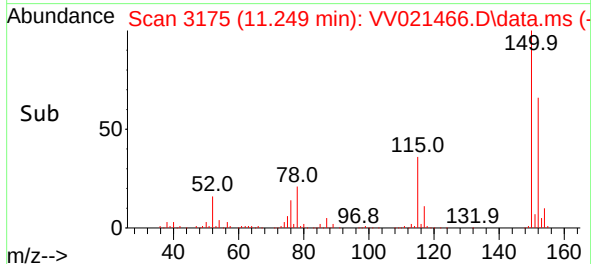
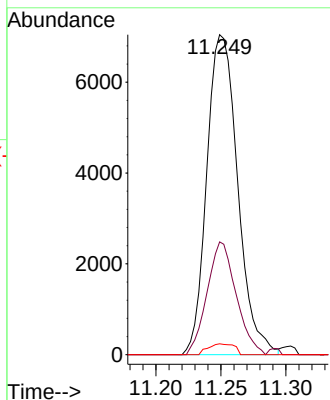
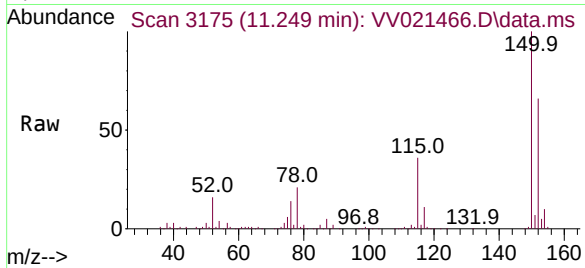




#61  
1,2,3-Trichloropropane  
Concen: 1.35 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.974 min  
Lab File: VV021466.D  
Acq: 01 Jun 2021 17:46

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 75 Resp: 11661  
Ion Ratio Lower Upper  
75 100  
77 33.1 27.3 40.9  
110 2.9 34.2 51.2#



#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.08 ug/L  
RT: 12.259 min Scan# 3489  
Delta R.T. -0.170 min  
Lab File: VV021466.D  
Acq: 01 Jun 2021 17:46

Tgt Ion: 75 Resp: 162  
Ion Ratio Lower Upper  
75 100  
155 0.0 87.2 130.8#  
157 0.0 106.1 159.1#

