

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111021\  
 Data File : VW023382.D  
 Acq On : 11 Nov 2021 13:00  
 Operator : SY/MD  
 Sample : M4581-01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 69 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 12 00:29:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 11 08:19:32 2021  
 Response via : Initial Calibration

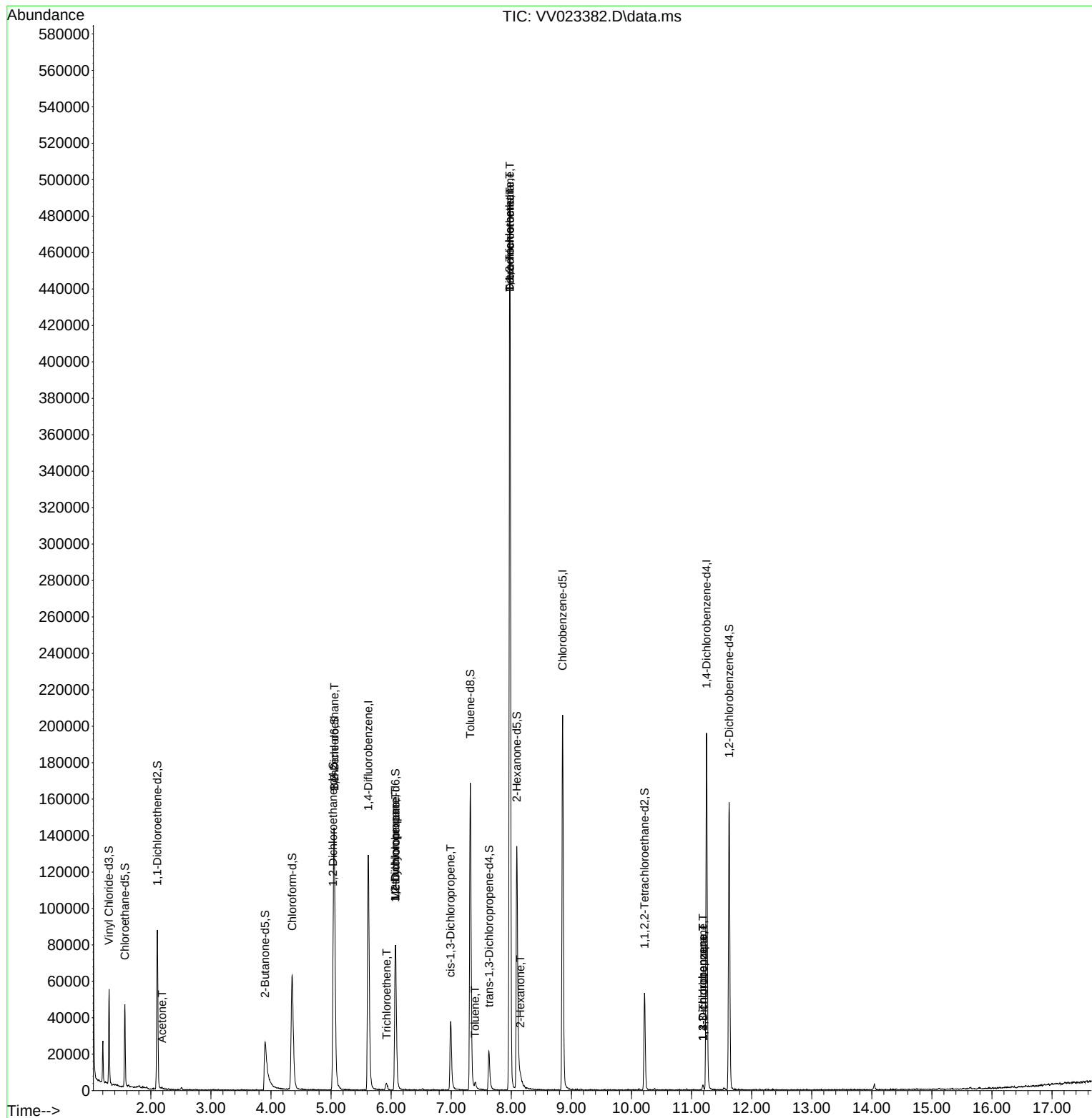
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 115346   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 114827   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 52988    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 31351    | 4.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 86.800%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 27334    | 4.641    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 46347    | 3.426    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 68.600%  |
| 20) 2-Butanone-d5             | 3.902  | 46    | 58901    | 47.314   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.620%  |
| 24) Chloroform-d              | 4.352  | 84    | 65277    | 4.239    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 30717    | 4.436    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.800%  |
| 32) Benzene-d6                | 5.053  | 84    | 130499   | 4.429    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 38455    | 4.434    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.600%  |
| 41) Toluene-d8                | 7.317  | 98    | 115352   | 4.178    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.600%  |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 13967    | 4.247    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 85.000%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 47181    | 38.994   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 77.980%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 25127    | 4.029    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 80.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 43057    | 4.880    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 2.185  | 43    | 1050     | 1.380    | ug/L   | 83       |
| 27) 1,2-Dichloroethane        | 5.053  | 62    | 747      | 0.092    | ug/L # | 72       |
| 34) Trichloroethene           | 5.924  | 95    | 967      | 0.113    | ug/L # | 76       |
| 35) Methylcyclohexane         | 6.072  | 83    | 9504     | 0.706    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 4552     | 0.608    | ug/L # | 83       |
| 39) cis-1,3-Dichloropropene   | 6.989  | 75    | 983      | 0.091    | ug/L # | 46       |
| 42) Toluene                   | 7.397  | 91    | 2537     | 0.074    | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.973  | 97    | 923      | 0.171    | ug/L # | 12       |
| 47) Tetrachloroethene         | 7.976  | 164   | 108954   | 14.730   | ug/L   | 98       |
| 48) 2-Hexanone                | 8.149  | 43    | 2059     | 0.846    | ug/L # | 74       |
| 49) Dibromochloromethane      | 7.976  | 129   | 97564    | 14.303   | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.191 | 75    | 377      | 0.107    | ug/L # | 38       |
| 64) 1,3-Dichlorobenzene       | 11.191 | 146   | 1384     | 0.089    | ug/L # | 84       |
| 65) 1,4-Dichlorobenzene       | 11.191 | 146   | 1384     | 0.087    | ug/L # | 85       |
| -----                         |        |       |          |          |        |          |

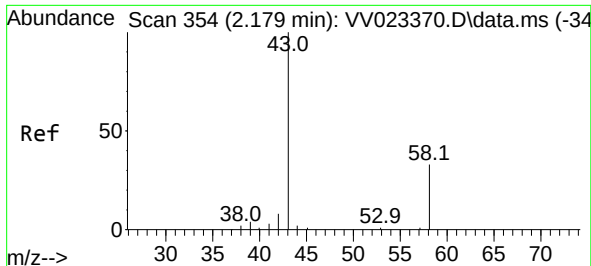
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111021\  
Data File : VV023382.D  
Acq On : 11 Nov 2021 13:00  
Operator : SY/MD  
Sample : M4581-01  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 69 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 12 00:29:23 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 11 08:19:32 2021  
Response via : Initial Calibration





#13

Acetone

Concen: 1.380 ug/L

RT: 2.185 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV023382.D

Acq: 11 Nov 2021 13:00

Instrument :

MSVOA\_V

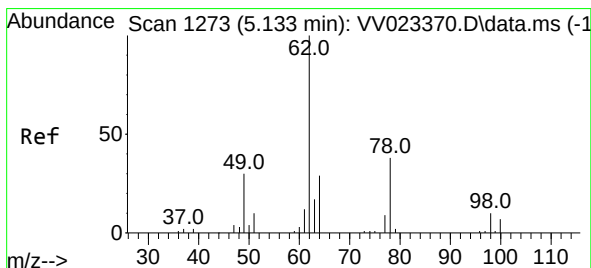
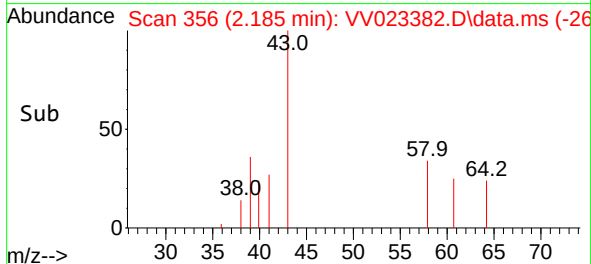
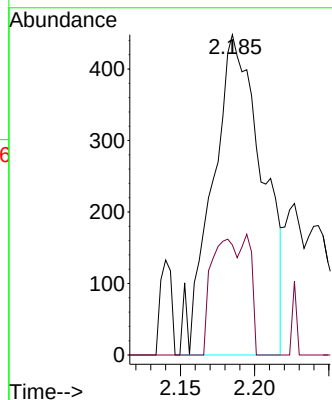
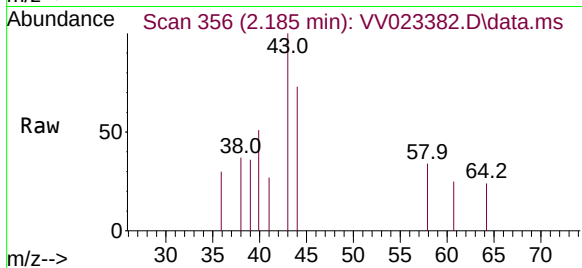
ClientSampleId :

Tgt Ion: 43 Resp: 1050

Ion Ratio Lower Upper

43 100

58 18.7 0.0 55.4



#27

1,2-Dichloroethane

Concen: 0.092 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.080 min

Lab File: VV023382.D

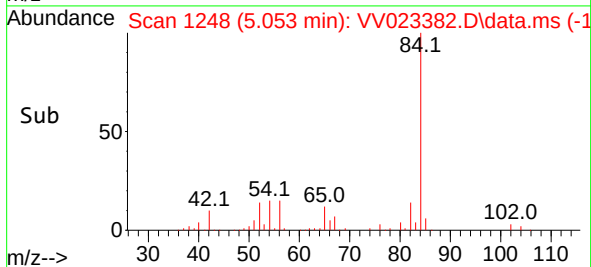
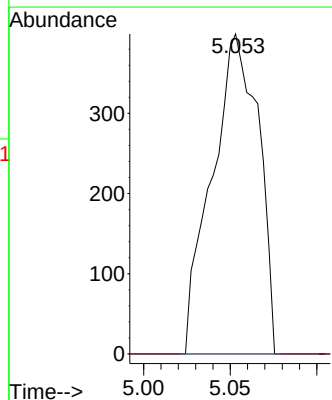
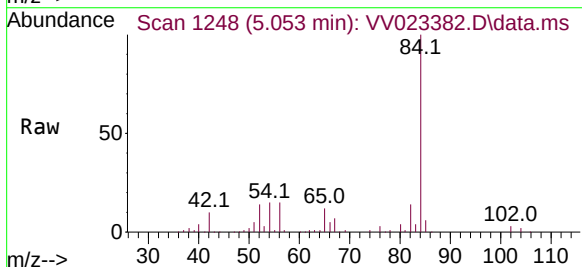
Acq: 11 Nov 2021 13:00

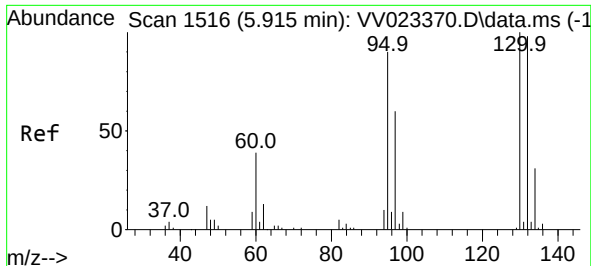
Tgt Ion: 62 Resp: 747

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

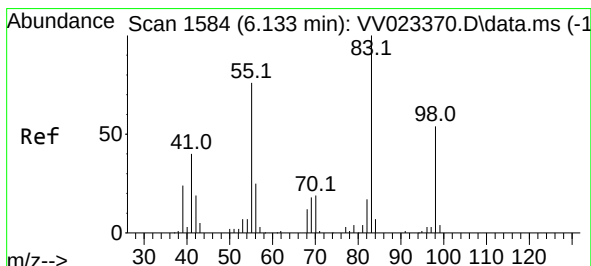
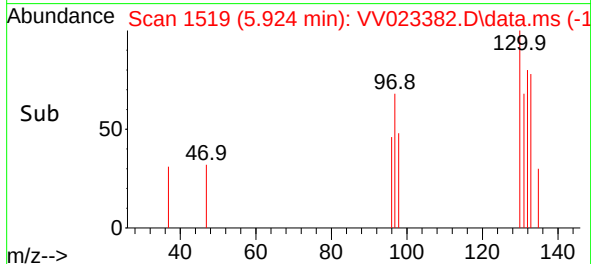
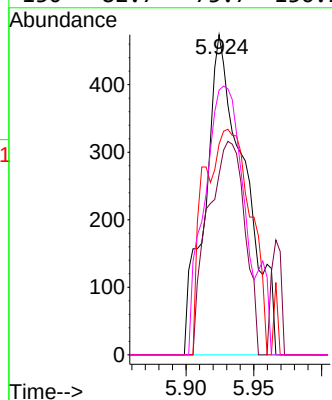
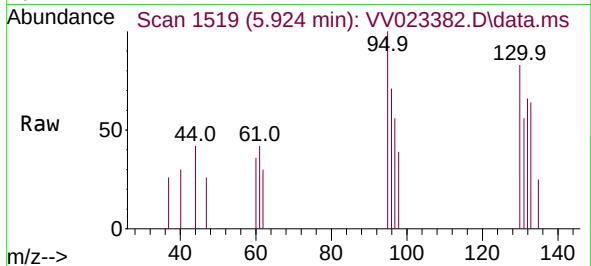




#34  
Trichloroethene  
Concen: 0.113 ug/L  
RT: 5.924 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VV023382.D  
Acq: 11 Nov 2021 13:00

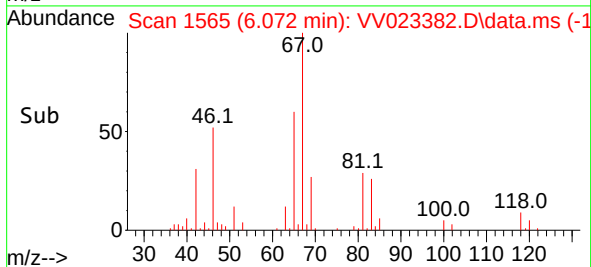
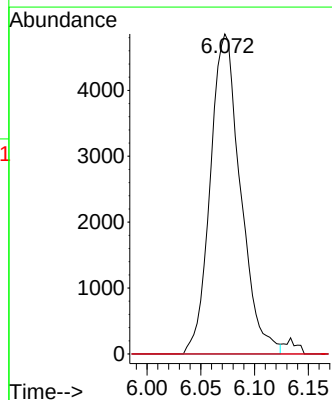
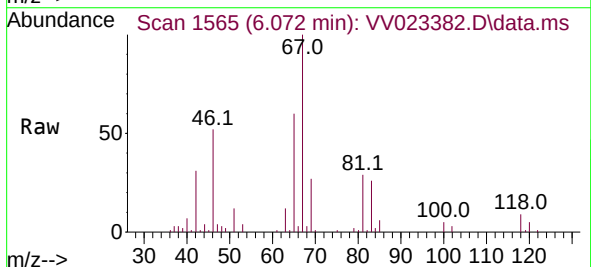
Instrument :  
MSVOA\_V  
ClientSampleId :

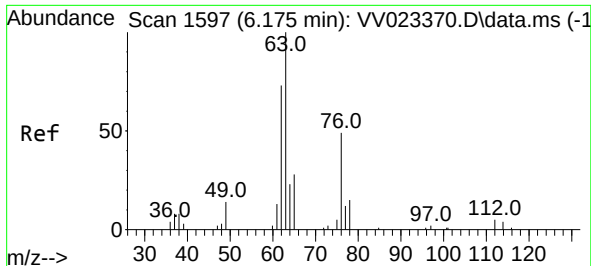
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 967    |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 56.3  | 45.0  | 83.6   |
| 132      | 65.8  | 69.7  | 129.4# |
| 130      | 82.7  | 73.7  | 136.9  |



#35  
Methylcyclohexane  
Concen: 0.706 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.061 min  
Lab File: VV023382.D  
Acq: 11 Nov 2021 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 9504  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.0   | 62.8  | 94.2# |
| 98       | 0.5   | 37.9  | 56.9# |





#37

1,2-Dichloropropane

Concen: 0.608 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.106 min

Lab File: VV023382.D

Acq: 11 Nov 2021 13:00

Instrument :

MSVOA\_V

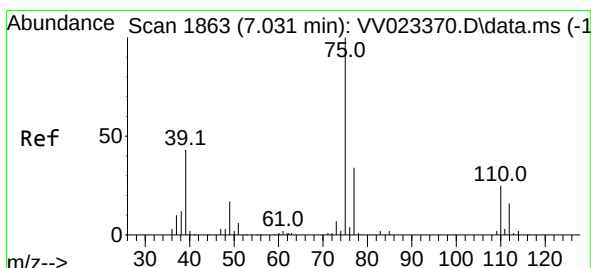
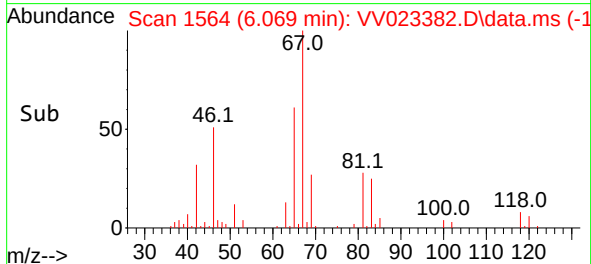
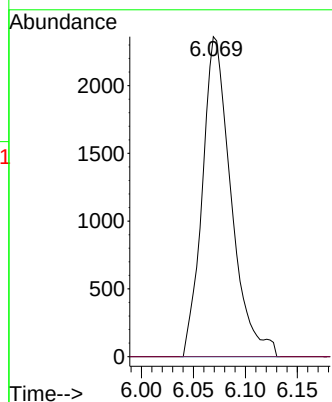
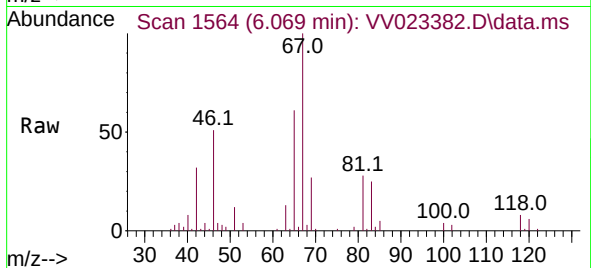
ClientSampleId :

Tgt Ion: 63 Resp: 4552

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.042 min

Lab File: VV023382.D

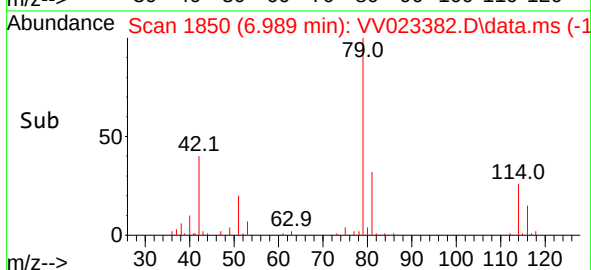
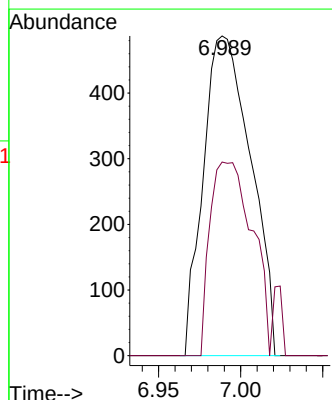
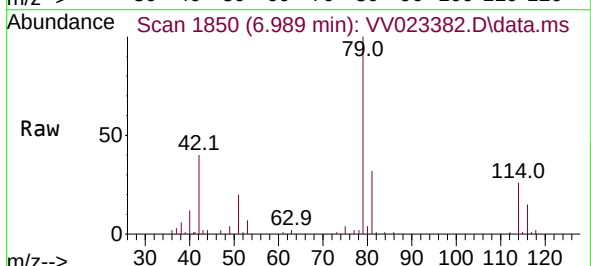
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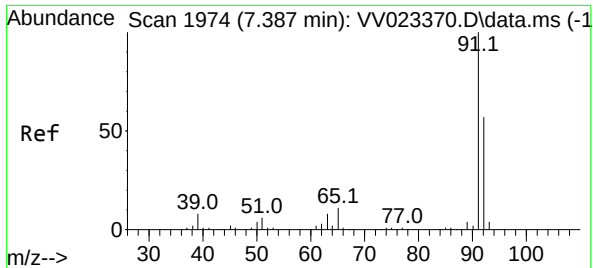
Tgt Ion: 75 Resp: 983

Ion Ratio Lower Upper

75 100

77 60.6 21.6 40.2#





#42

Toluene

Concen: 0.074 ug/L

RT: 7.397 min Scan# 1974

Delta R.T. 0.010 min

Lab File: VV023382.D

Acq: 11 Nov 2021 13:00

Instrument :

MSVOA\_V

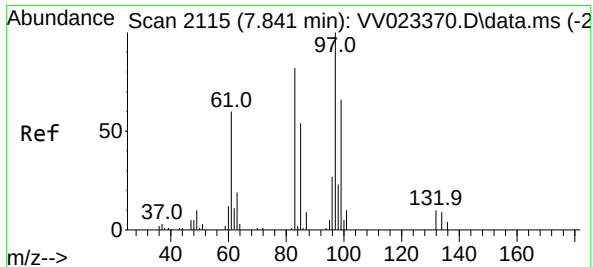
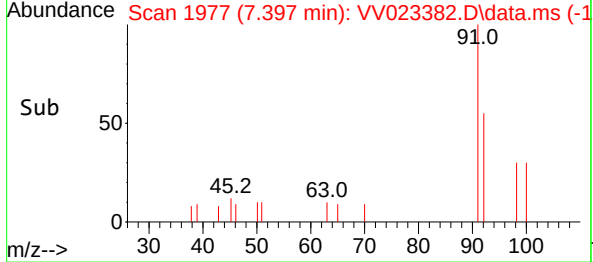
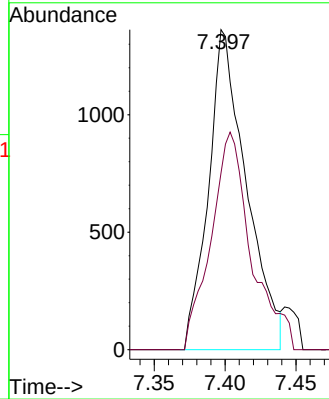
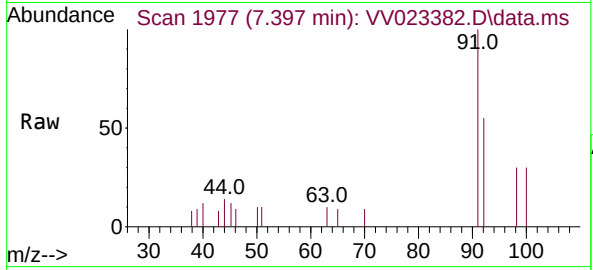
ClientSampleId :

Tgt Ion: 91 Resp: 2537

Ion Ratio Lower Upper

91 100

92 55.2 39.3 72.9



#45

1,1,2-Trichloroethane

Concen: 0.171 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.132 min

Lab File: VV023382.D

Acq: 11 Nov 2021 13:00

Tgt Ion: 97 Resp: 923

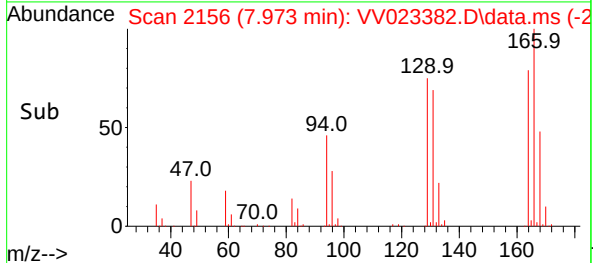
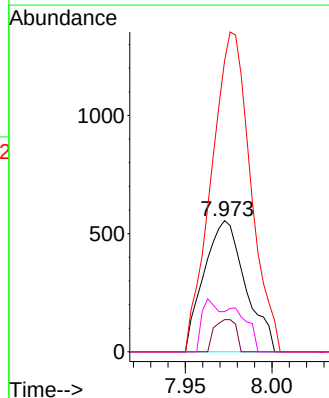
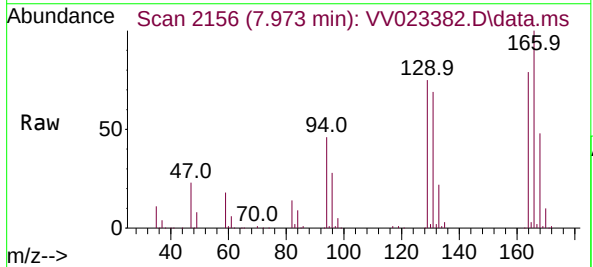
Ion Ratio Lower Upper

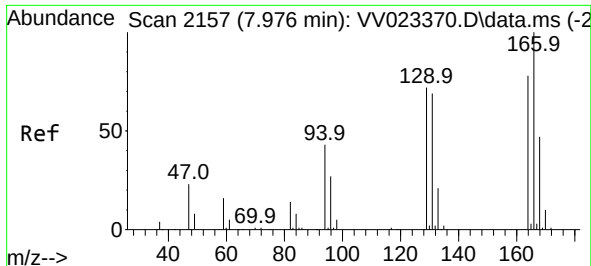
97 100

99 24.5 43.6 81.0#

83 221.4 58.4 108.4#

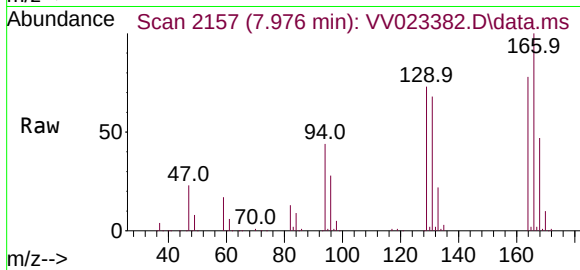
85 30.6 39.8 74.0#



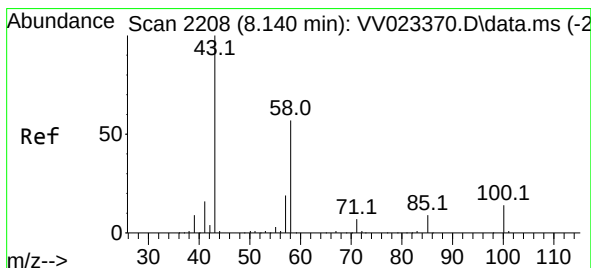
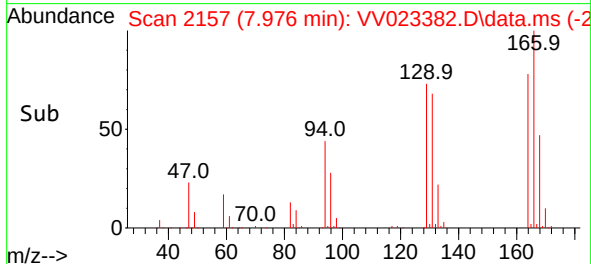
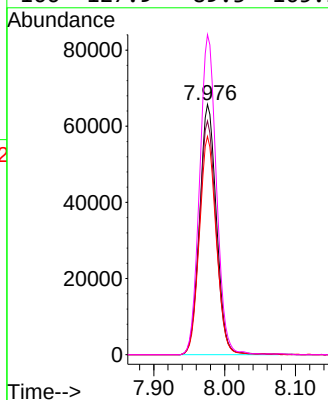


#47  
Tetrachloroethene  
Concen: 14.730 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: VV023382.D  
Acq: 11 Nov 2021 13:00

Instrument :  
MSVOA\_V  
ClientSampleId :

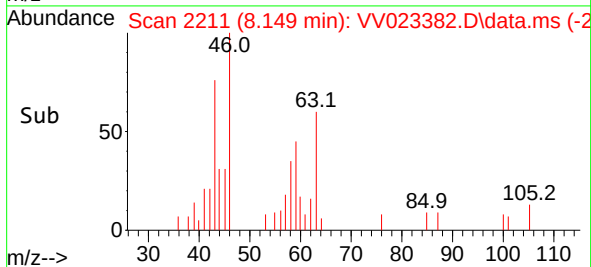
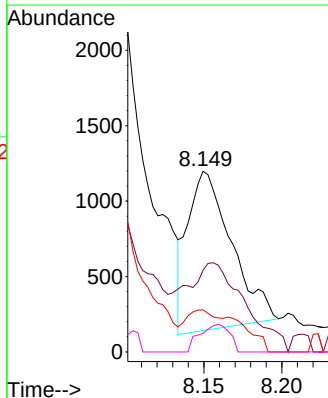
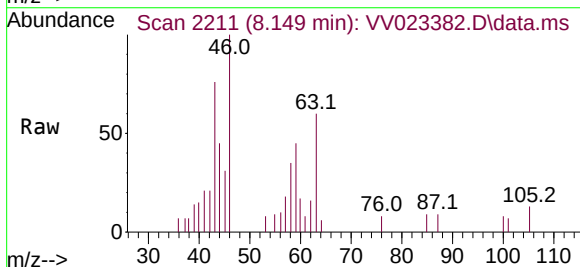


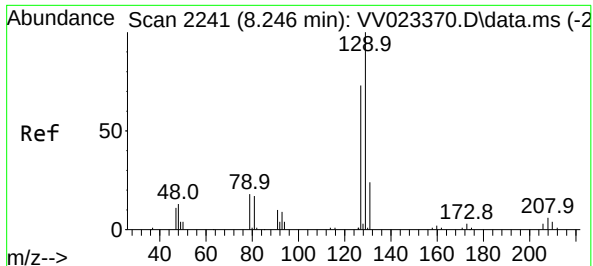
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 93.4  | 64.0  | 119.0 |
| 131     | 87.2  | 63.4  | 117.8 |
| 166     | 127.9 | 89.3  | 165.9 |



#48  
2-Hexanone  
Concen: 0.846 ug/L  
RT: 8.149 min Scan# 2211  
Delta R.T. 0.010 min  
Lab File: VV023382.D  
Acq: 11 Nov 2021 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 75.5  | 43.7  | 65.5# |
| 57      | 32.7  | 14.1  | 21.1# |
| 100     | 11.8  | 10.2  | 15.2  |





#49

Dibromochloromethane

Concen: 14.303 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV023382.D

Acq: 11 Nov 2021 13:00

Instrument :

MSVOA\_V

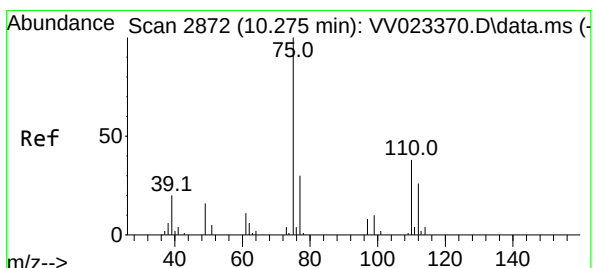
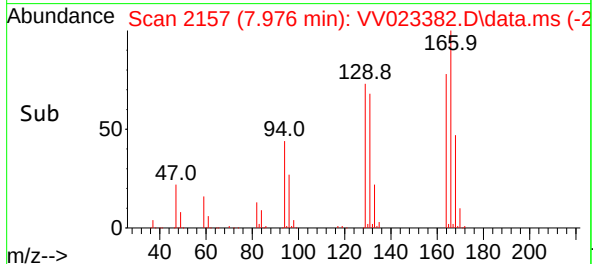
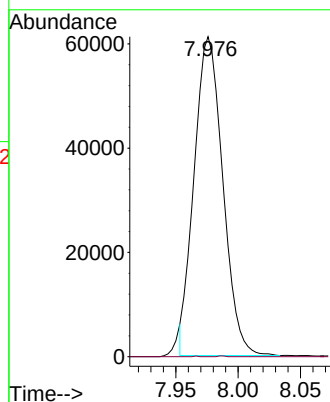
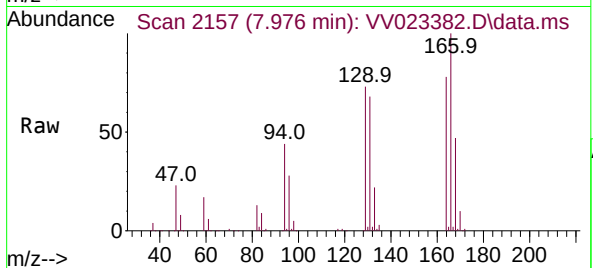
ClientSampleId :

Tgt Ion:129 Resp: 97564

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 0.107 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.916 min

Lab File: VV023382.D

Acq: 11 Nov 2021 13:00

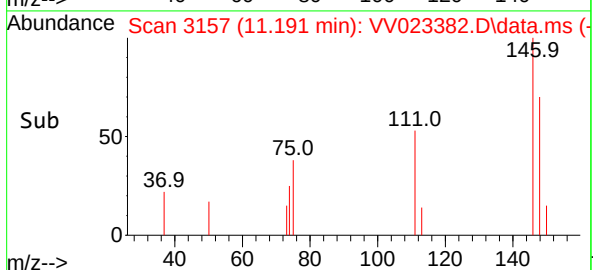
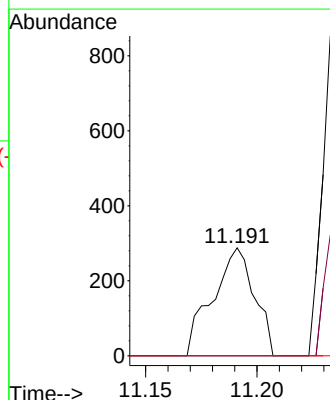
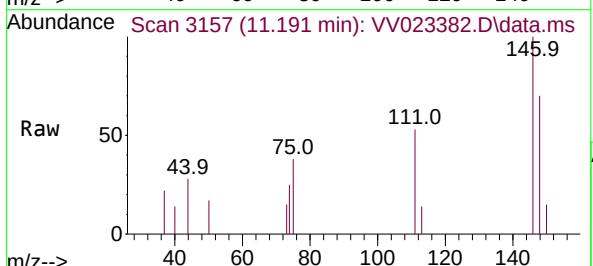
Tgt Ion: 75 Resp: 377

Ion Ratio Lower Upper

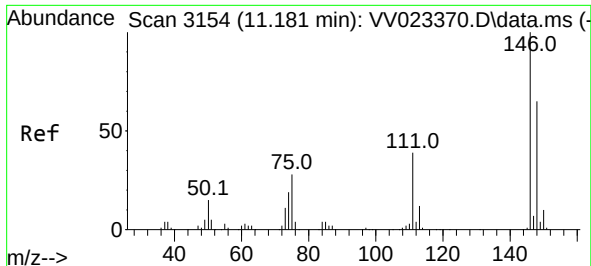
75 100

77 0.0 26.6 39.8#

110 0.0 31.8 47.6#



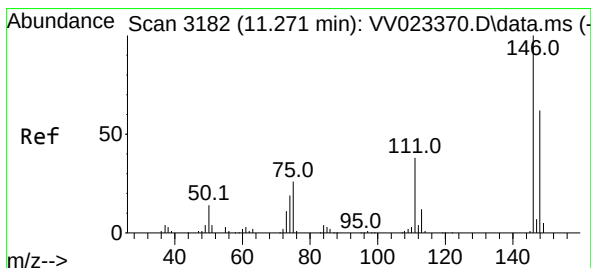
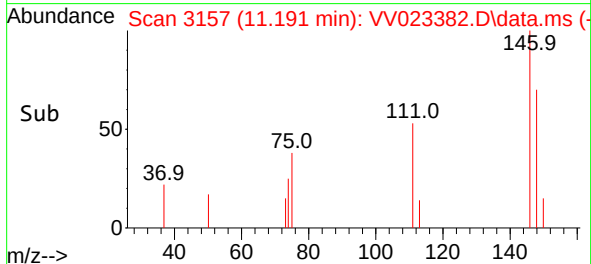
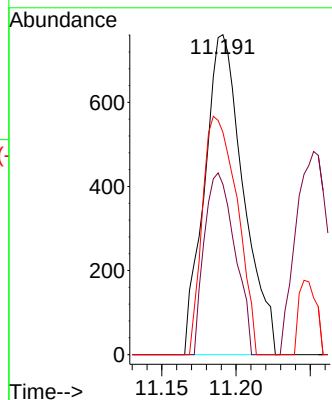
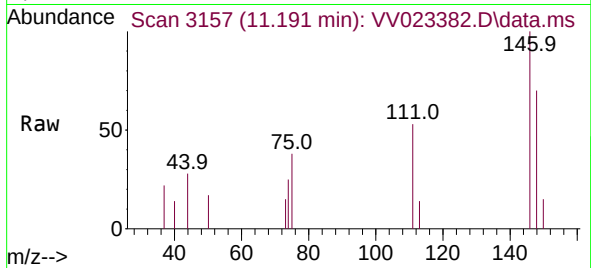




#64  
1,3-Dichlorobenzene  
Concen: 0.089 ug/L  
RT: 11.191 min Scan# 3157  
Delta R.T. 0.010 min  
Lab File: VV023382.D  
Acq: 11 Nov 2021 13:00

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:146 Resp: 1384  
Ion Ratio Lower Upper  
146 100  
111 53.2 26.7 49.7#  
148 69.5 42.9 79.7



#65  
1,4-Dichlorobenzene  
Concen: 0.087 ug/L  
RT: 11.191 min Scan# 3157  
Delta R.T. -0.080 min  
Lab File: VV023382.D  
Acq: 11 Nov 2021 13:00

Tgt Ion:146 Resp: 1384  
Ion Ratio Lower Upper  
146 100  
111 53.2 26.2 48.8#  
148 69.5 44.4 82.5

