

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122221\  
 Data File : VW021603.D  
 Acq On : 23 Dec 2021 10:44  
 Operator : SY/VA  
 Sample : M5214-07  
 Misc : 6.21g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 24 00:31:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 24 00:28:54 2021  
 Response via : Initial Calibration

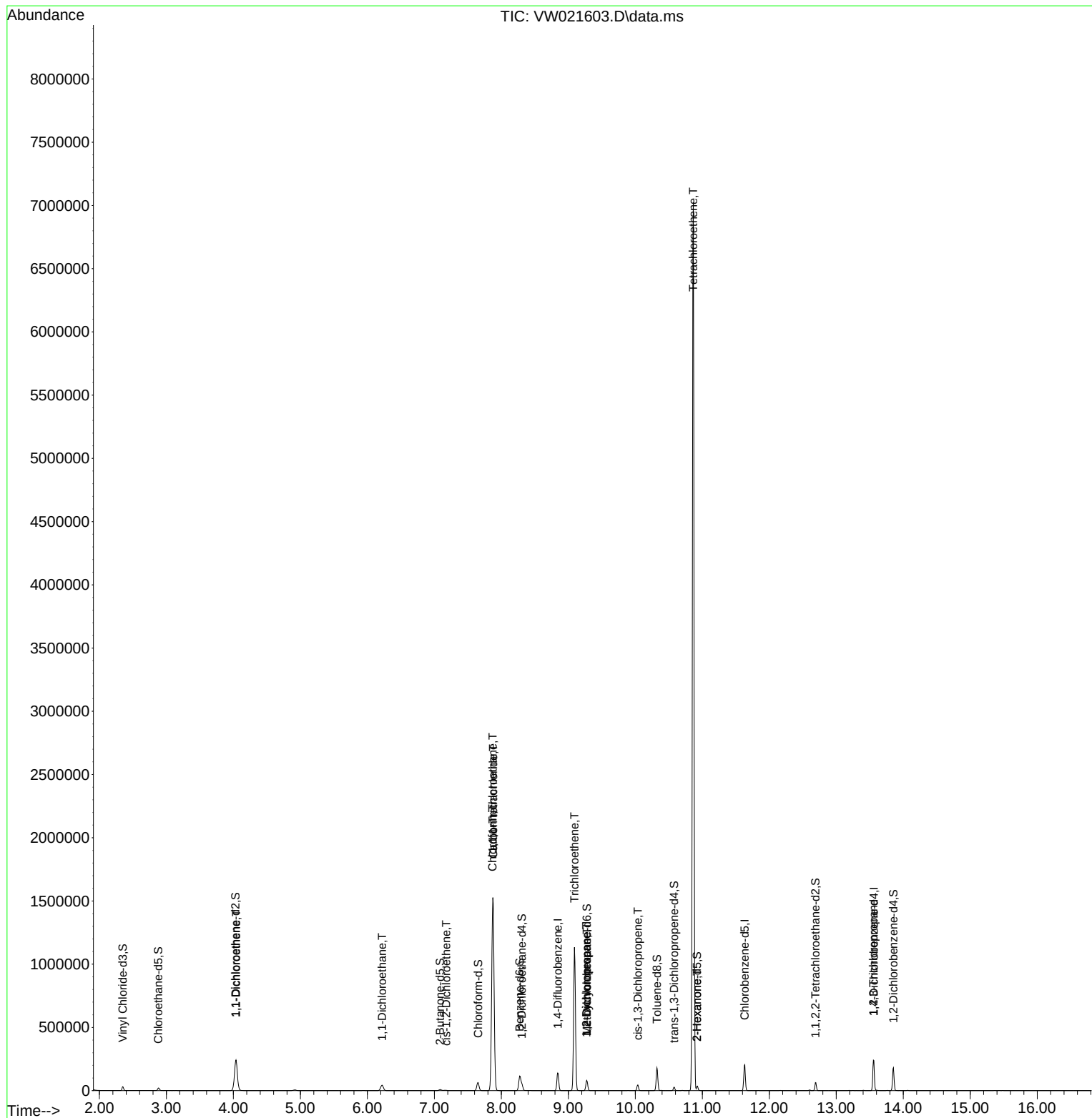
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 121418   | 25.000   | ug/L   | # 0.00    |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 116639   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 67062    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 30754    | 13.907   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 55.640%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 22698    | 15.527   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 62.120%   |
| 11) 1,1-Dichloroethene-d2     | 4.032  | 63    | 104343   | 35.393   | ug/L   | 0.02      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 141.560%# |
| 21) 2-Butanone-d5             | 7.086  | 46    | 15073    | 48.356   | ug/L   | -0.01     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.720%   |
| 24) Chloroform-d              | 7.653  | 84    | 64472    | 19.054   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 76.200%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 35847    | 19.917   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 79.680%   |
| 32) Benzene-d6                | 8.275  | 84    | 118299   | 18.503   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 74.000%   |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 34619    | 20.190   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 80.760%   |
| 41) Toluene-d8                | 10.323 | 98    | 116856   | 17.889   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 71.560%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 14670    | 18.582   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 74.320%   |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 11856    | 46.761   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 93.520%   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 29830    | 20.238   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 80.960%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 47746    | 18.371   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 73.480%#  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 128101   | 85.116   | ug/L   | # 61      |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 59768    | 23.373   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.177  | 96    | 1905     | 1.108    | ug/L   | 69        |
| 25) Chloroform                | 7.866  | 83    | 1998     | 0.673    | ug/L   | 89        |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97    | 1248173  | 476.940  | ug/L   | 94        |
| 31) Carbon tetrachloride      | 7.878  | 117   | 156034   | 64.632   | ug/L   | 96        |
| 34) Trichloroethene           | 9.092  | 95    | 370672   | 207.817  | ug/L   | 91        |
| 35) Methylcyclohexane         | 9.275  | 83    | 9206     | 3.129    | ug/L   | # 14      |
| 37) 1,2-Dichloropropane       | 9.268  | 63    | 4588     | 3.237    | ug/L   | # 88      |
| 39) cis-1,3-Dichloropropene   | 10.037 | 75    | 1300     | 0.582    | ug/L   | # 70      |
| 46) Tetrachloroethene         | 10.866 | 164   | 1610495  | 950.485  | ug/L   | 98        |
| 48) 2-Hexanone                | 10.921 | 43    | 1436     | 2.564    | ug/L   | # 70      |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 7511     | 7.696    | ug/L   | # 68      |
| -----                         |        |       |          |          |        |           |

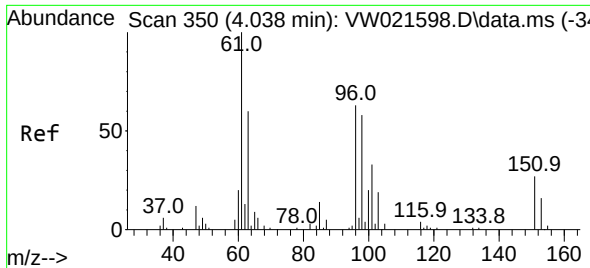
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122221\  
Data File : VW021603.D  
Acq On : 23 Dec 2021 10:44  
Operator : SY/VA  
Sample : M5214-07  
Misc : 6.21g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 24 00:31:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Dec 24 00:28:54 2021  
Response via : Initial Calibration

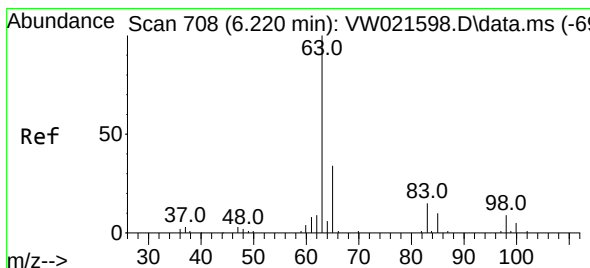
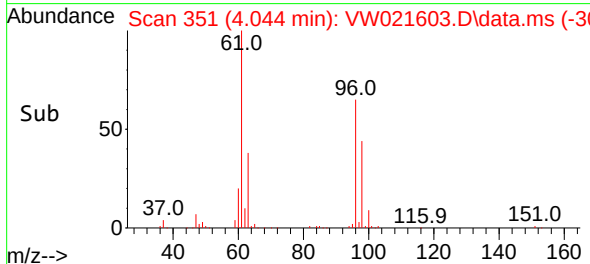
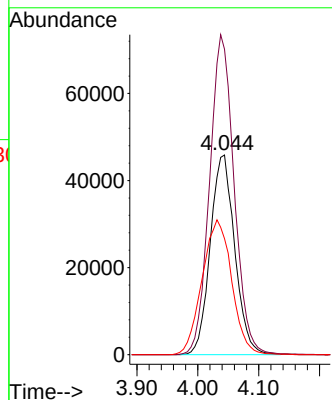
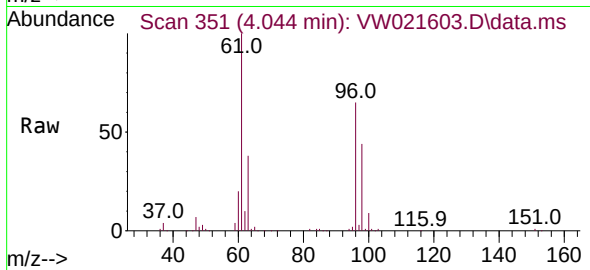




#12  
 1,1-Dichloroethene  
 Concen: 85.116 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. 0.006 min  
 Lab File: VW021603.D  
 Acq: 23 Dec 2021 10:44

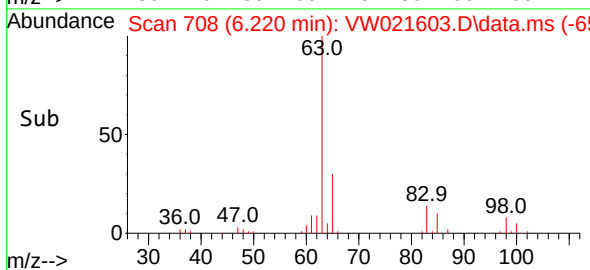
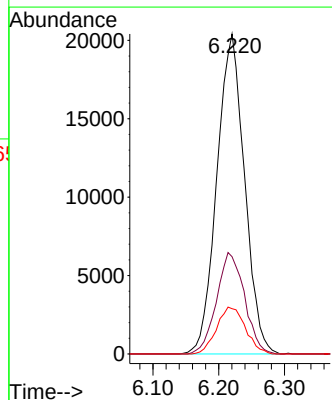
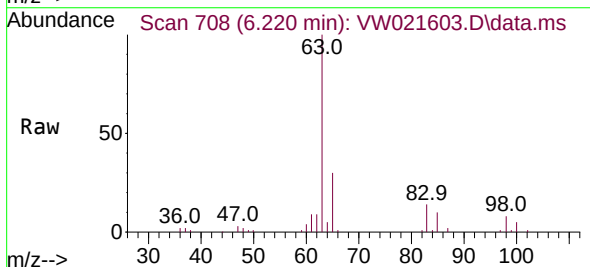
Instrument :  
 MSVOA\_W  
 ClientSampleId :

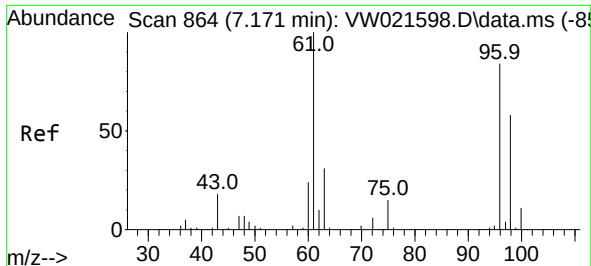
Tgt Ion: 96 Resp: 128101  
 Ion Ratio Lower Upper  
 96 100  
 61 152.9 138.3 256.9  
 63 58.1 82.6 153.4#



#19  
 1,1-Dichloroethane  
 Concen: 23.373 ug/L  
 RT: 6.220 min Scan# 708  
 Delta R.T. -0.000 min  
 Lab File: VW021603.D  
 Acq: 23 Dec 2021 10:44

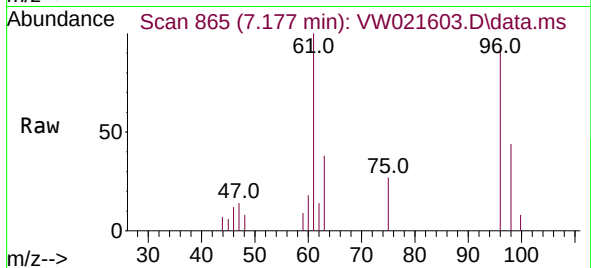
Tgt Ion: 63 Resp: 59768  
 Ion Ratio Lower Upper  
 63 100  
 65 30.4 22.1 41.1  
 83 14.2 9.2 17.2





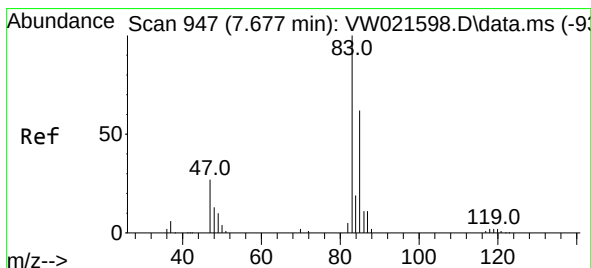
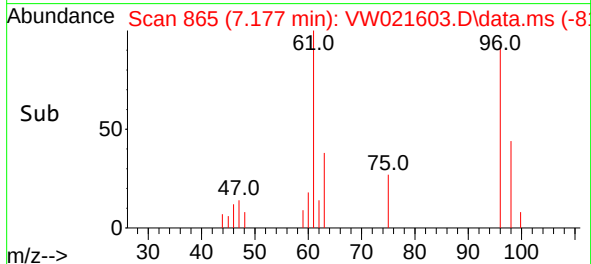
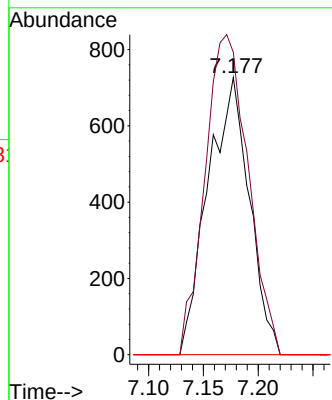
#20  
 cis-1,2-Dichloroethene  
 Concen: 1.108 ug/L  
 RT: 7.177 min Scan# 864  
 Delta R.T. 0.006 min  
 Lab File: VW021603.D  
 Acq: 23 Dec 2021 10:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :



Tgt Ion: 96 Resp: 1905  

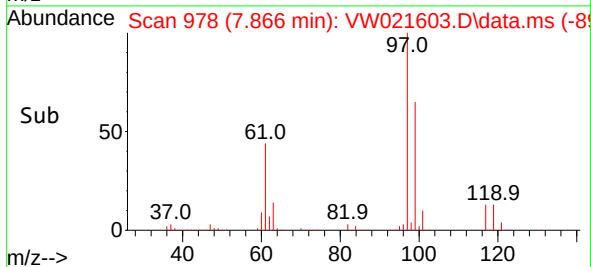
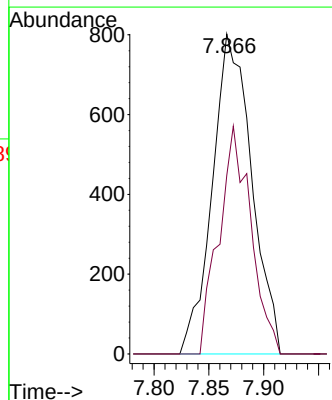
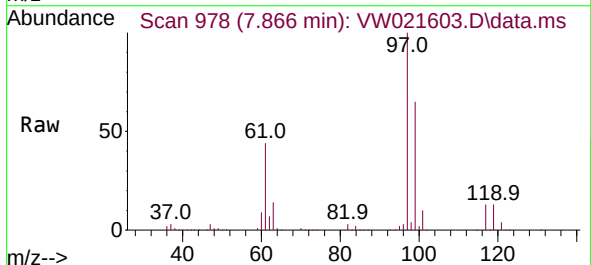
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 109.1 | 103.7 | 192.7 |
| 68  | 0.0   | 0.0   | 0.0   |

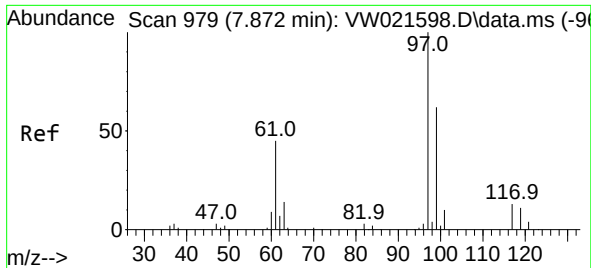


#25  
 Chloroform  
 Concen: 0.673 ug/L  
 RT: 7.866 min Scan# 978  
 Delta R.T. 0.189 min  
 Lab File: VW021603.D  
 Acq: 23 Dec 2021 10:44

Tgt Ion: 83 Resp: 1998  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 55.7  | 45.1  | 83.7  |

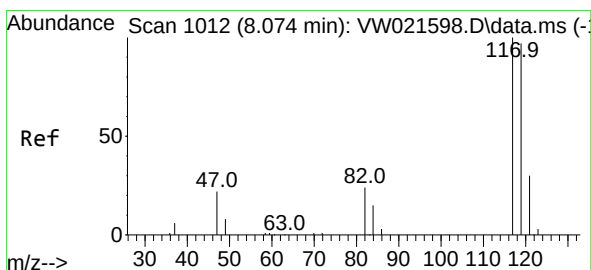
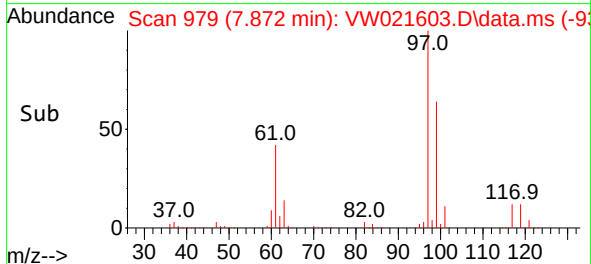
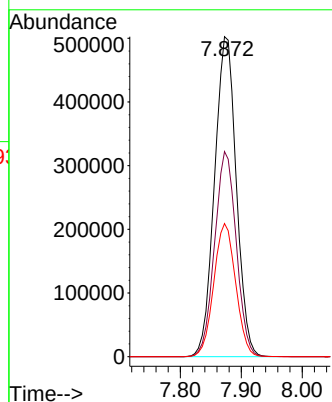
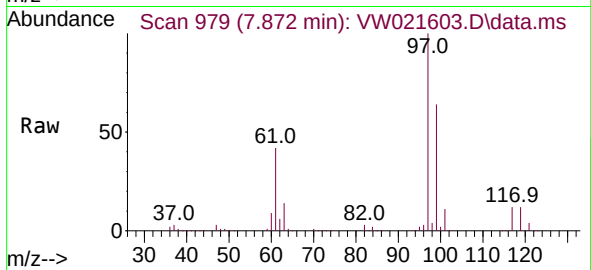




#30  
1,1,1-Trichloroethane  
Concen: 476.940 ug/L  
RT: 7.872 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VW021603.D  
Acq: 23 Dec 2021 10:44

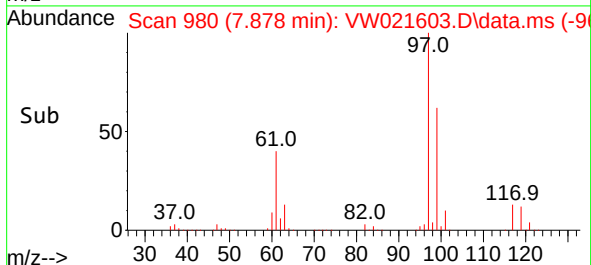
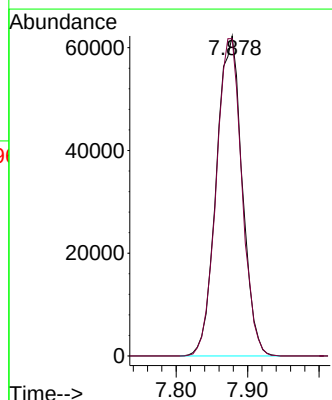
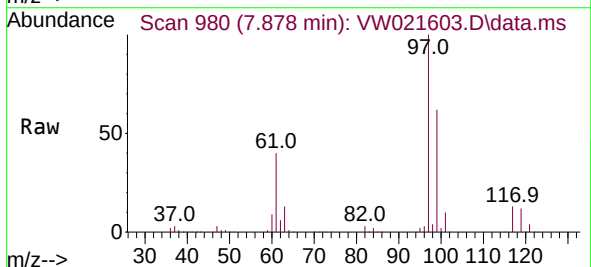
Instrument :  
MSVOA\_W  
ClientSampleId :

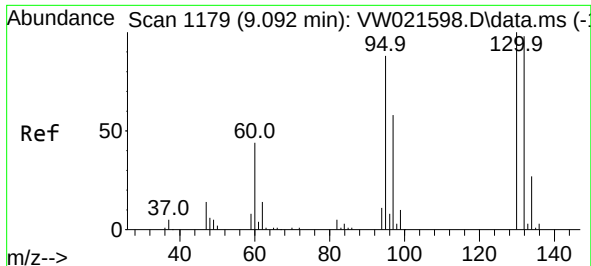
Tgt Ion: 97 Resp: 1248173  
Ion Ratio Lower Upper  
97 100  
99 63.7 51.6 77.4  
61 41.8 40.9 61.3



#31  
Carbon tetrachloride  
Concen: 64.632 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. -0.195 min  
Lab File: VW021603.D  
Acq: 23 Dec 2021 10:44

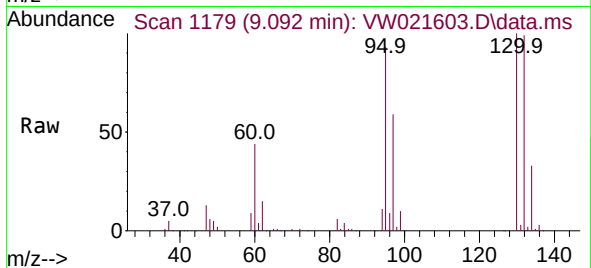
Tgt Ion: 117 Resp: 156034  
Ion Ratio Lower Upper  
117 100  
119 98.7 75.7 113.5



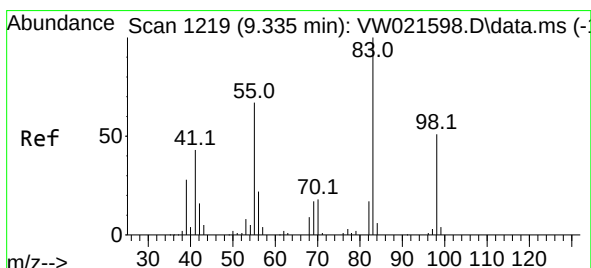
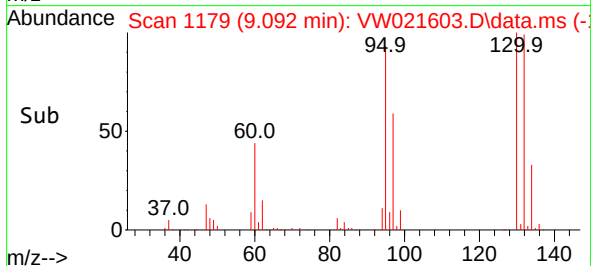
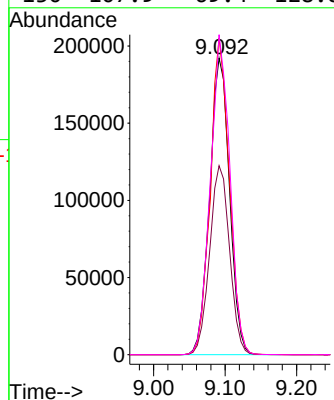


#34  
Trichloroethene  
Concen: 207.817 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW021603.D  
Acq: 23 Dec 2021 10:44

Instrument :  
MSVOA\_W  
ClientSampleId :

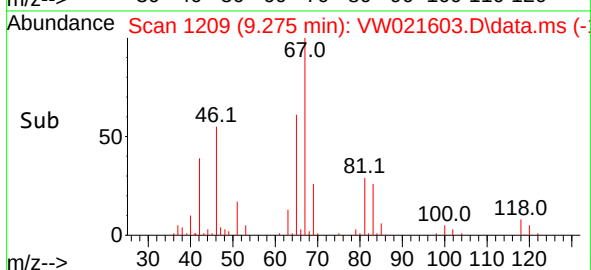
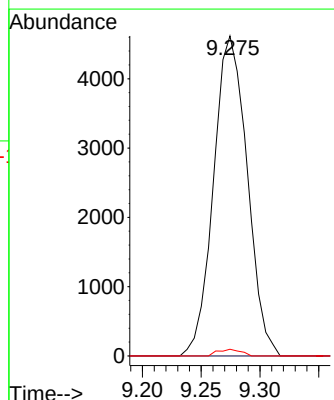
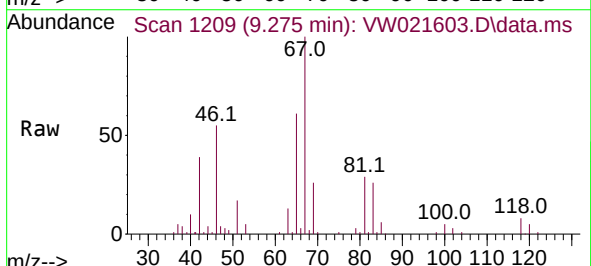


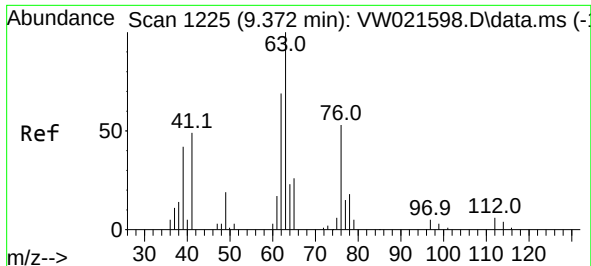
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 63.7  | 47.0  | 87.2  |
| 132     | 106.8 | 65.5  | 121.6 |
| 130     | 107.9 | 69.4  | 128.8 |



#35  
Methylcyclohexane  
Concen: 3.129 ug/L  
RT: 9.275 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW021603.D  
Acq: 23 Dec 2021 10:44

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 83      | 100   |       |        |
| 55      | 0.0   | 70.8  | 106.2# |
| 98      | 1.4   | 37.7  | 56.5#  |





#37

1,2-Dichloropropane

Concen: 3.237 ug/L

RT: 9.268 min Scan# 11

Delta R.T. -0.104 min

Lab File: VW021603.D

Acq: 23 Dec 2021 10:44

Instrument :

MSVOA\_W

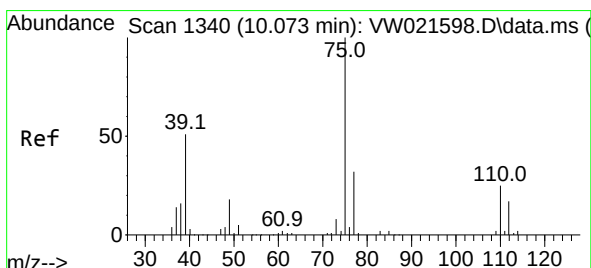
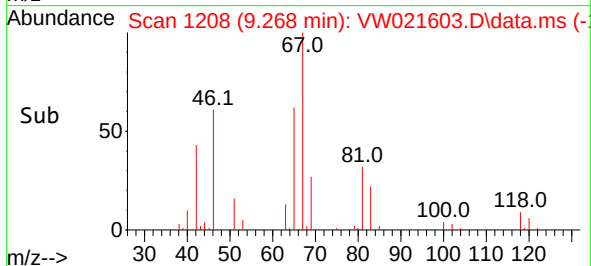
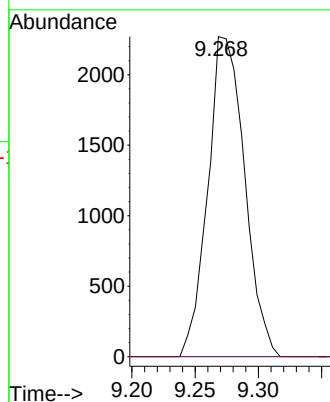
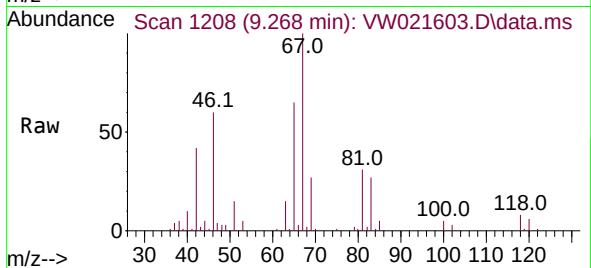
ClientSampleId :

Tgt Ion: 63 Resp: 4588

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.582 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021603.D

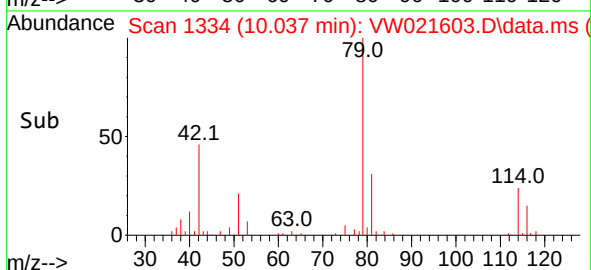
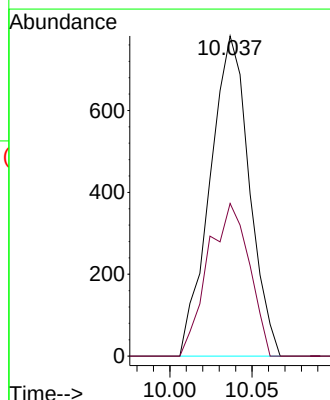
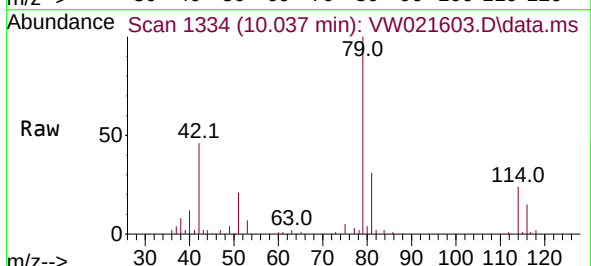
Acq: 23 Dec 2021 10:44

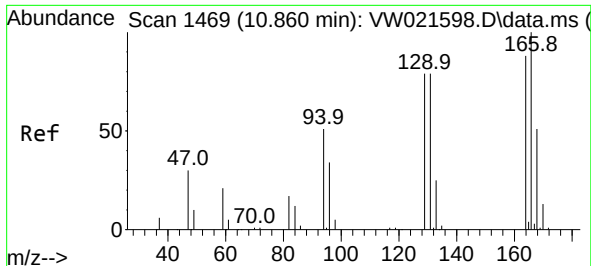
Tgt Ion: 75 Resp: 1300

Ion Ratio Lower Upper

75 100

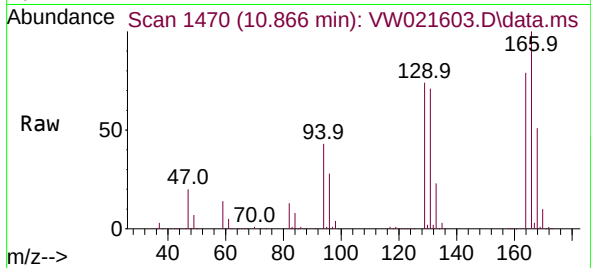
77 47.7 21.8 40.6#



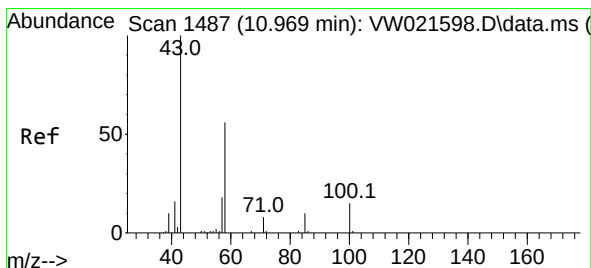
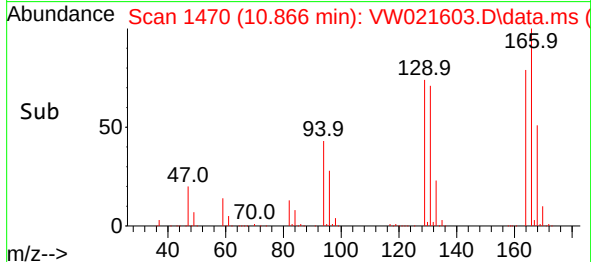
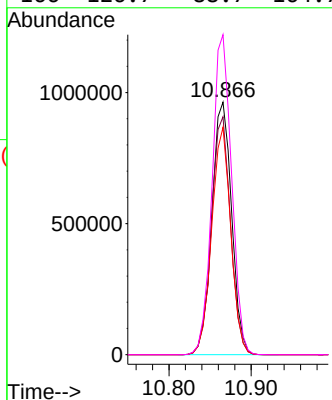


#46  
Tetrachloroethene  
Concen: 950.485 ug/L  
RT: 10.866 min Scan# 1469  
Delta R.T. 0.006 min  
Lab File: VW021603.D  
Acq: 23 Dec 2021 10:44

Instrument :  
MSVOA\_W  
ClientSampleId :

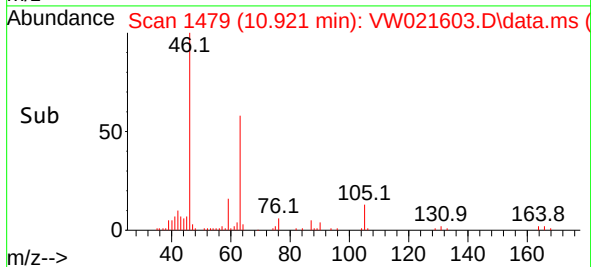
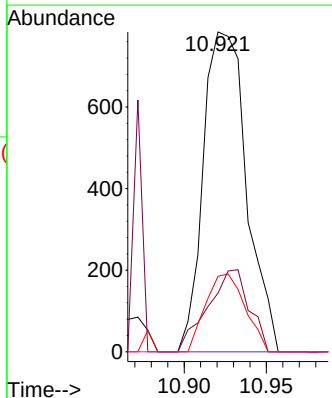
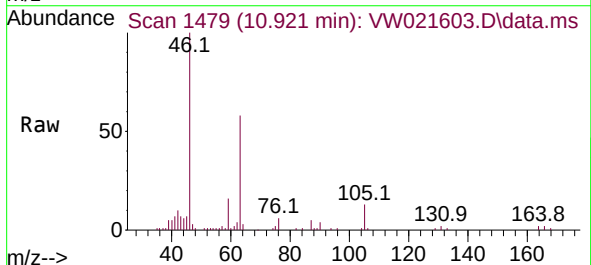


Tgt Ion:164 Resp: 1610495  
Ion Ratio Lower Upper  
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129 94.3 65.5 121.7  
131 90.0 59.7 110.9  
166 126.7 88.7 164.7

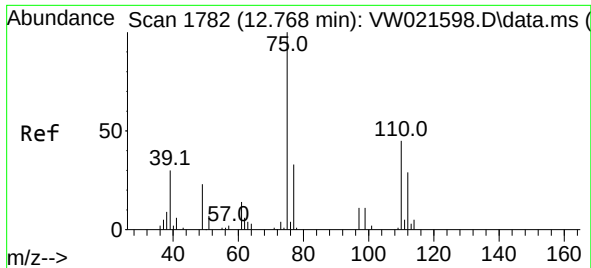


#48  
2-Hexanone  
Concen: 2.564 ug/L  
RT: 10.921 min Scan# 1479  
Delta R.T. -0.049 min  
Lab File: VW021603.D  
Acq: 23 Dec 2021 10:44

Tgt Ion: 43 Resp: 1436  
Ion Ratio Lower Upper  
43 100  
58 24.6 40.2 60.2#  
57 22.2 14.3 21.5#  
100 0.0 8.0 12.0#

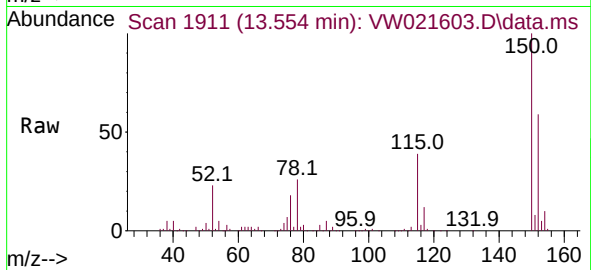






#61  
 1,2,3-Trichloropropane  
 Concen: 7.696 ug/L  
 RT: 13.554 min Scan# 1911  
 Delta R.T. 0.786 min  
 Lab File: VW021603.D  
 Acq: 23 Dec 2021 10:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7511  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.2  | 25.8  | 38.8  |
| 110      | 3.0   | 29.0  | 43.4# |

