

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121621\  
 Data File : VW021416.D  
 Acq On : 16 Dec 2021 15:42  
 Operator : SY/VA  
 Sample : M5101-12RE  
 Misc : 6.47g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 17 01:01:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 17 00:58:26 2021  
 Response via : Initial Calibration

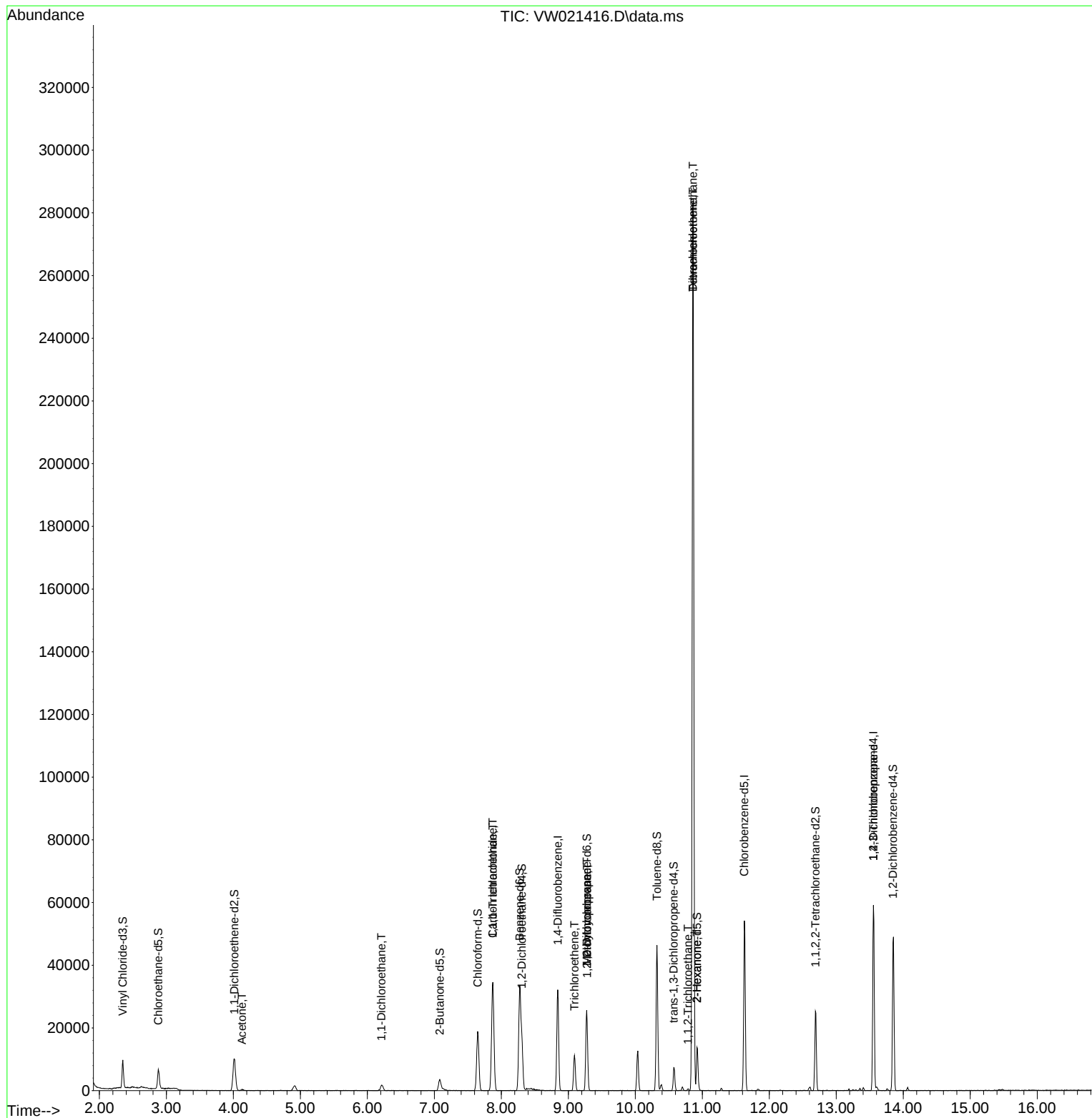
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 27635    | 25.000   | ug/L   | # 0.00    |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 30626    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 16482    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 8055     | 16.004   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 64.000%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 6587     | 19.797   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.200%   |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 9477     | 14.124   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 56.480%   |
| 21) 2-Butanone-d5             | 7.080  | 46    | 6090     | 85.840   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 171.680%# |
| 24) Chloroform-d              | 7.647  | 84    | 18875    | 24.509   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.040%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 12253    | 29.911   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 119.640%  |
| 32) Benzene-d6                | 8.275  | 84    | 33681    | 20.063   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 80.240%   |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 10378    | 23.051   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 92.200%   |
| 41) Toluene-d8                | 10.323 | 98    | 30529    | 17.799   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 71.200%   |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 4260     | 20.550   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 82.200%   |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 4697     | 70.553   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 141.100%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 11771    | 30.414   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 121.640%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 13299    | 20.820   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 83.280%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 13) Acetone                   | 4.129  | 43    | 743      | 11.682   | ug/L   | 78        |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 2764     | 4.749    | ug/L   | 98        |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97    | 27320    | 39.758   | ug/L   | 94        |
| 31) Carbon tetrachloride      | 7.872  | 117   | 3502     | 5.525    | ug/L   | 96        |
| 34) Trichloroethene           | 9.092  | 95    | 3666     | 7.828    | ug/L   | 87        |
| 35) Methylcyclohexane         | 9.274  | 83    | 2844     | 3.681    | ug/L   | # 14      |
| 37) 1,2-Dichloropropane       | 9.281  | 63    | 1346     | 3.617    | ug/L   | # 88      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97    | 235      | 0.772    | ug/L   | # 84      |
| 46) Tetrachloroethene         | 10.860 | 164   | 63120    | 141.875  | ug/L   | 97        |
| 48) 2-Hexanone                | 10.920 | 43    | 656      | 4.461    | ug/L   | # 63      |
| 49) Dibromochloromethane      | 10.860 | 129   | 52711    | 140.378  | ug/L   | # 10      |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 1842     | 7.679    | ug/L   | # 63      |
| -----                         |        |       |          |          |        |           |

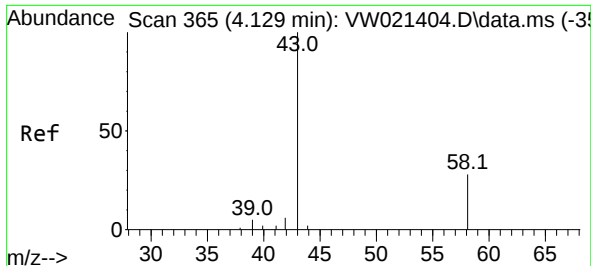
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121621\  
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Acq On : 16 Dec 2021 15:42  
Operator : SY/VA  
Sample : M5101-12RE  
Misc : 6.47g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

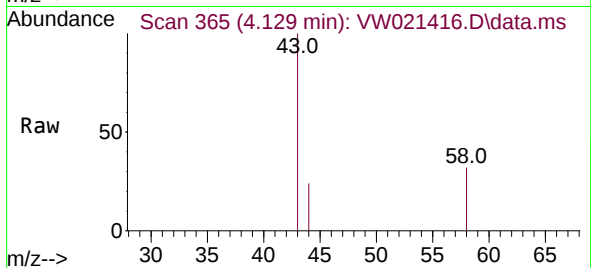
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Dec 17 00:58:26 2021  
Response via : Initial Calibration



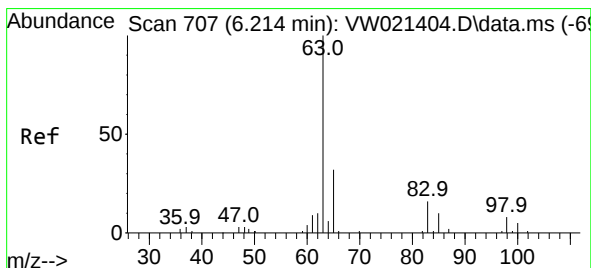
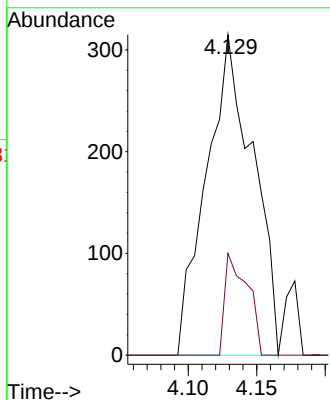
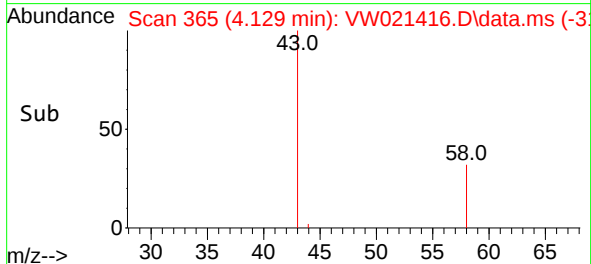


#13  
Acetone  
Concen: 11.682 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. -0.000 min  
Lab File: VW021416.D  
Acq: 16 Dec 2021 15:42

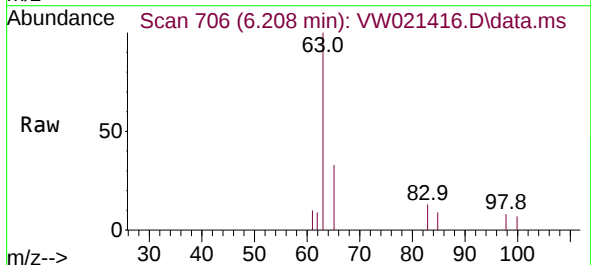
Instrument :  
MSVOA\_W  
ClientSampleId :



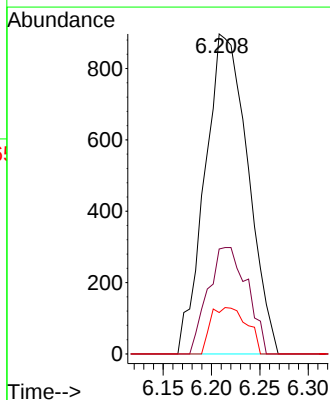
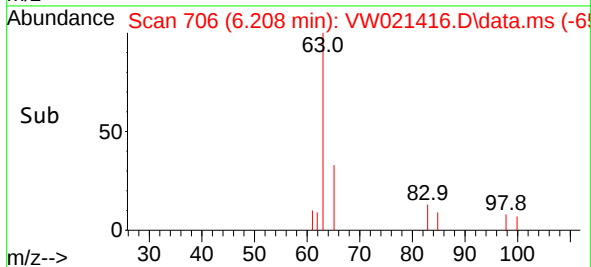
Tgt Ion: 43 Resp: 743  
Ion Ratio Lower Upper  
43 100  
58 15.3 0.0 52.8

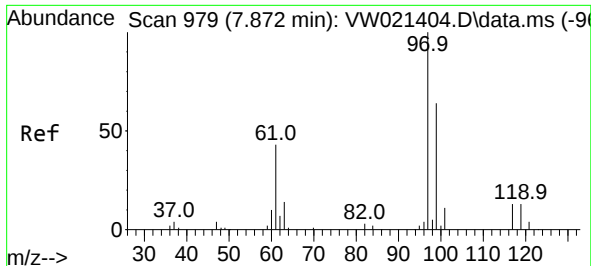


#19  
1,1-Dichloroethane  
Concen: 4.749 ug/L  
RT: 6.208 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: VW021416.D  
Acq: 16 Dec 2021 15:42



Tgt Ion: 63 Resp: 2764  
Ion Ratio Lower Upper  
63 100  
65 32.8 22.1 41.1  
83 12.9 9.2 17.2





#30

1,1,1-Trichloroethane

Concen: 39.758 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021416.D

Acq: 16 Dec 2021 15:42

Instrument :

MSVOA\_W

ClientSampleId :

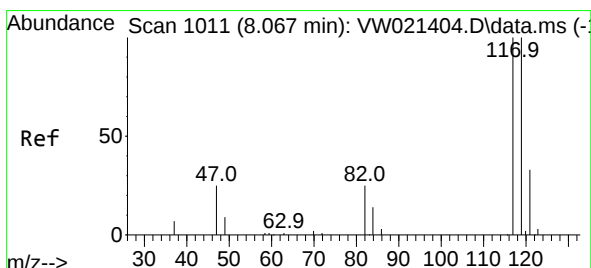
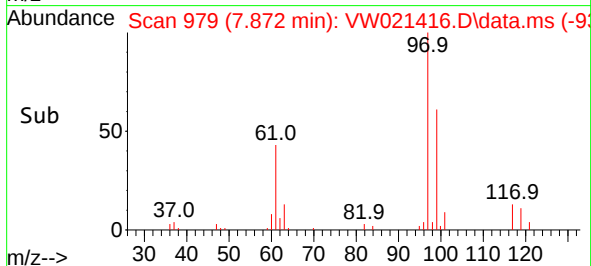
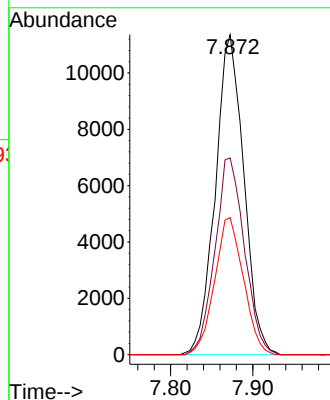
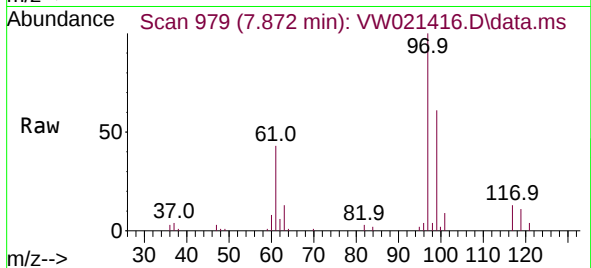
Tgt Ion: 97 Resp: 27320

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 43.4 40.9 61.3



#31

Carbon tetrachloride

Concen: 5.525 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.195 min

Lab File: VW021416.D

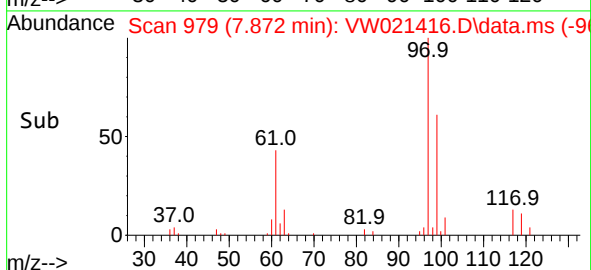
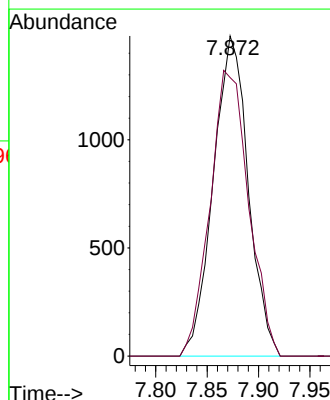
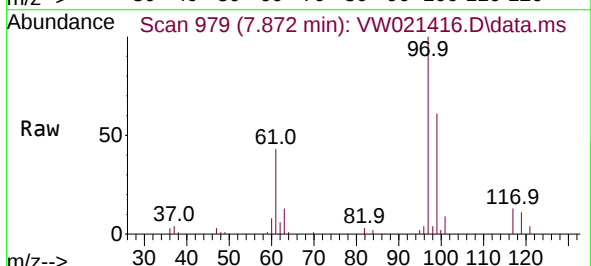
Acq: 16 Dec 2021 15:42

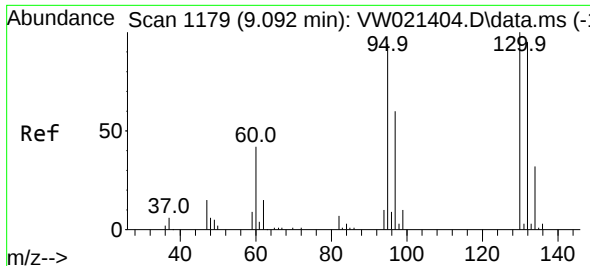
Tgt Ion: 117 Resp: 3502

Ion Ratio Lower Upper

117 100

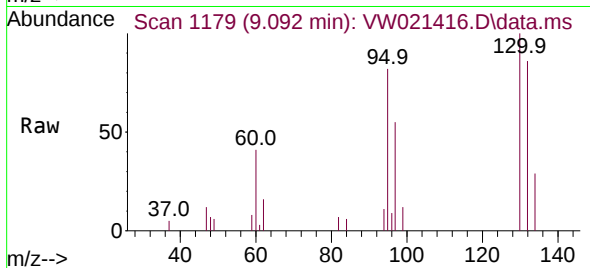
119 98.5 75.7 113.5



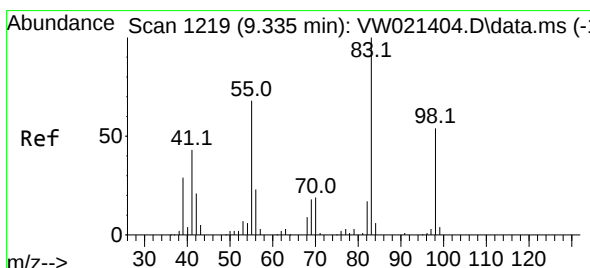
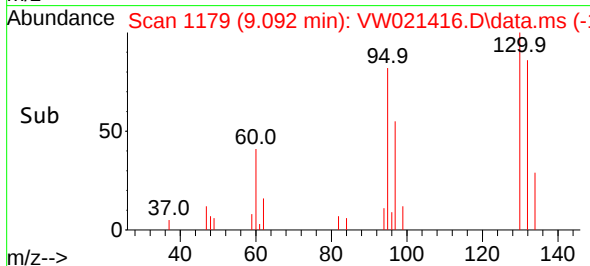
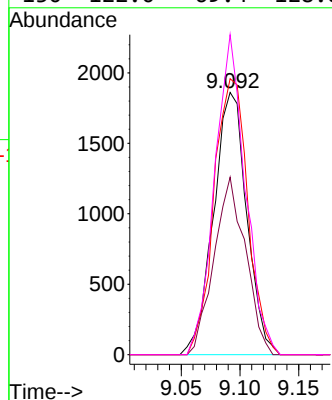


#34  
Trichloroethene  
Concen: 7.828 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW021416.D  
Acq: 16 Dec 2021 15:42

Instrument :  
MSVOA\_W  
ClientSampleId :

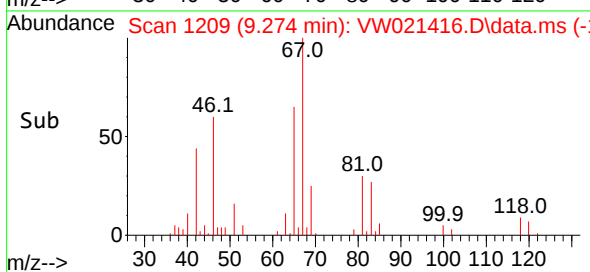
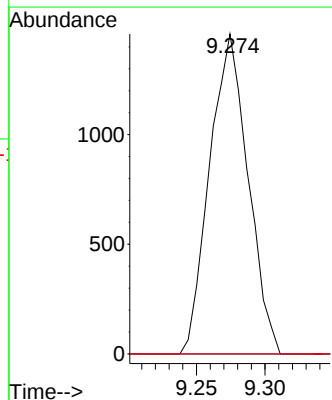
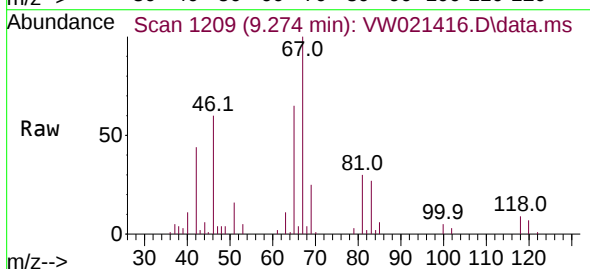


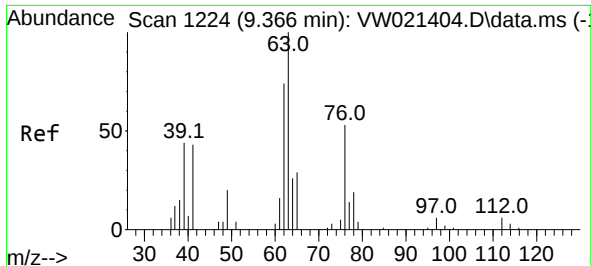
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 3666  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 67.7  | 47.0  | 87.2  |
| 132      | 105.3 | 65.5  | 121.6 |
| 130      | 122.0 | 69.4  | 128.8 |



#35  
Methylcyclohexane  
Concen: 3.681 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW021416.D  
Acq: 16 Dec 2021 15:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 2844   |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 0.0   | 70.8  | 106.2# |
| 98       | 0.0   | 37.7  | 56.5#  |





#37

1,2-Dichloropropane

Concen: 3.617 ug/L

RT: 9.281 min Scan# 11

Delta R.T. -0.085 min

Lab File: VW021416.D

Acq: 16 Dec 2021 15:42

Instrument :

MSVOA\_W

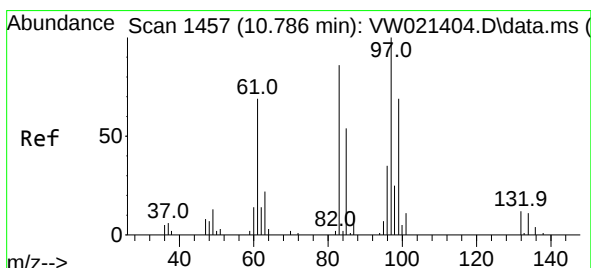
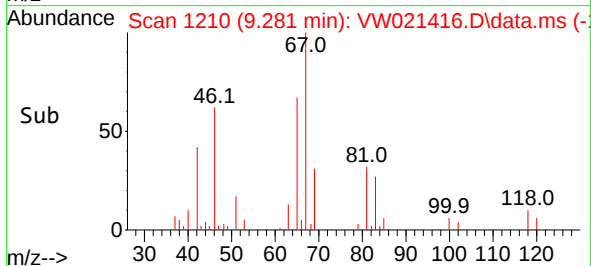
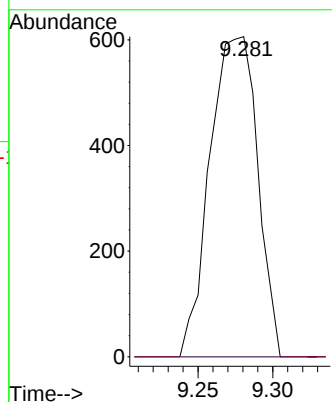
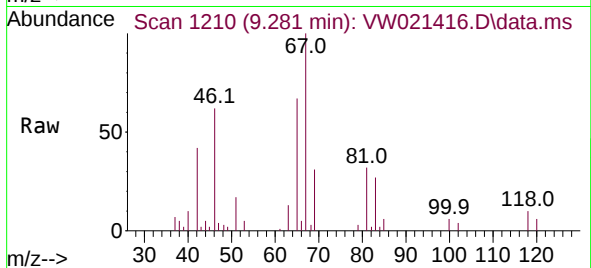
ClientSampleId :

Tgt Ion: 63 Resp: 1346

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#45

1,1,2-Trichloroethane

Concen: 0.772 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW021416.D

Acq: 16 Dec 2021 15:42

Tgt Ion: 97 Resp: 235

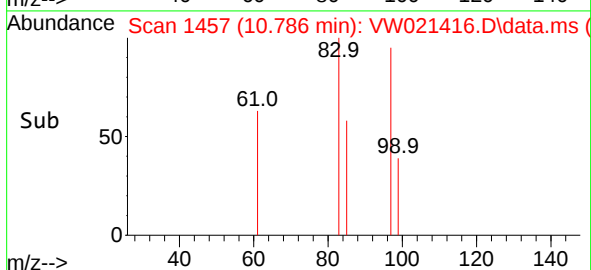
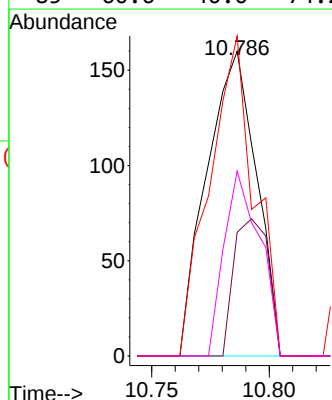
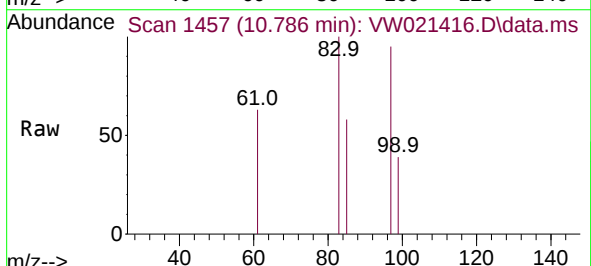
Ion Ratio Lower Upper

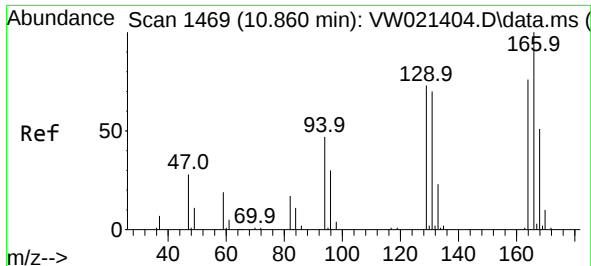
97 100

99 40.6 43.0 79.8#

83 105.0 62.6 116.3

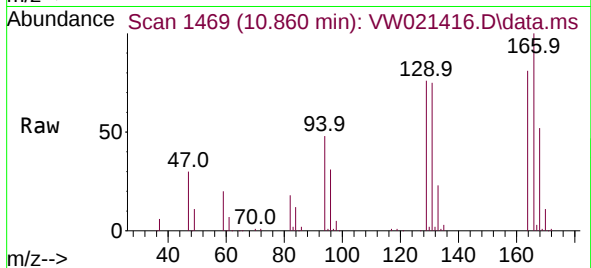
85 60.6 40.0 74.2



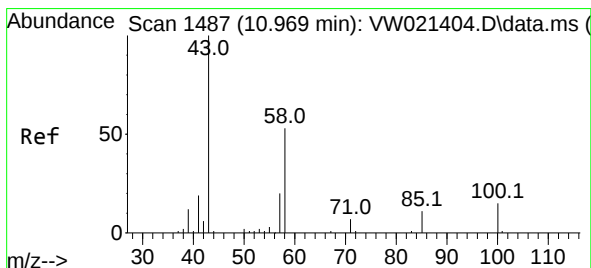
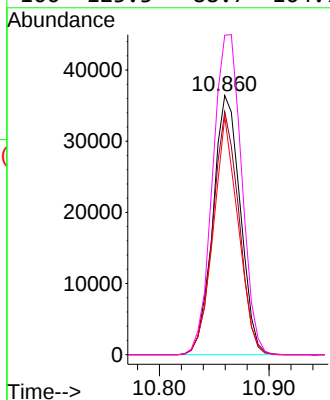
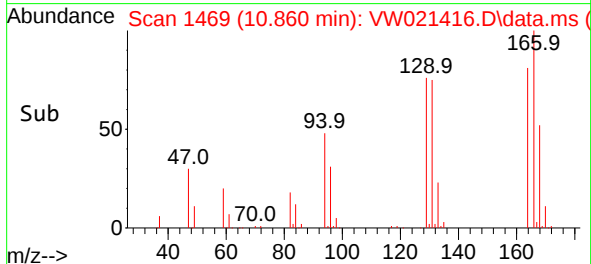


#46  
Tetrachloroethene  
Concen: 141.875 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW021416.D  
Acq: 16 Dec 2021 15:42

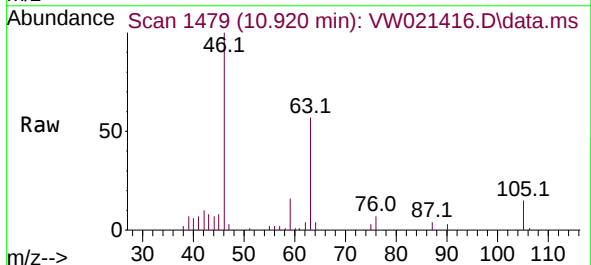
Instrument :  
MSVOA\_W  
ClientSampleId :



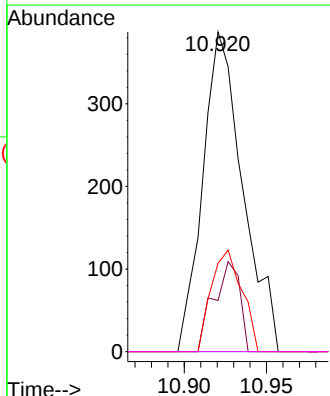
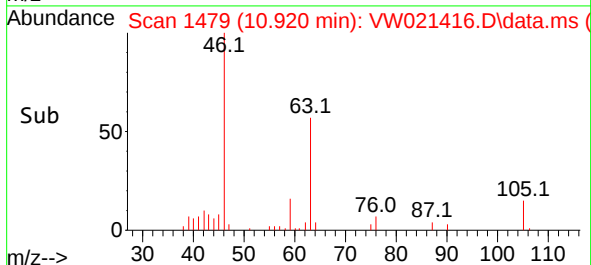
Tgt Ion:164 Resp: 63120  
Ion Ratio Lower Upper  
164 100  
129 93.8 65.5 121.7  
131 91.9 59.7 110.9  
166 123.3 88.7 164.7

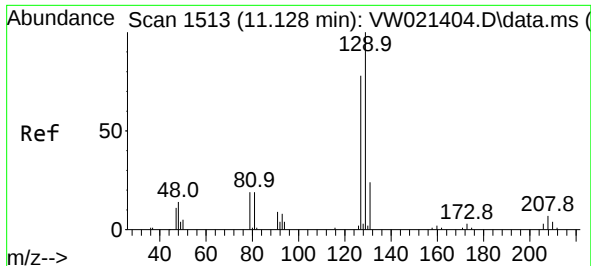


#48  
2-Hexanone  
Concen: 4.461 ug/L  
RT: 10.920 min Scan# 1479  
Delta R.T. -0.049 min  
Lab File: VW021416.D  
Acq: 16 Dec 2021 15:42



Tgt Ion: 43 Resp: 656  
Ion Ratio Lower Upper  
43 100  
58 18.3 40.2 60.2#  
57 24.4 14.3 21.5#  
100 0.0 8.0 12.0#

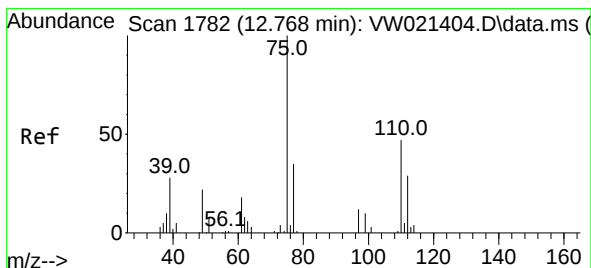
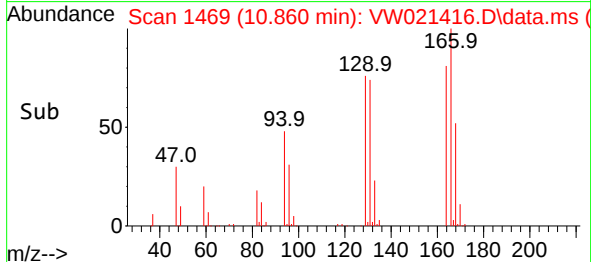
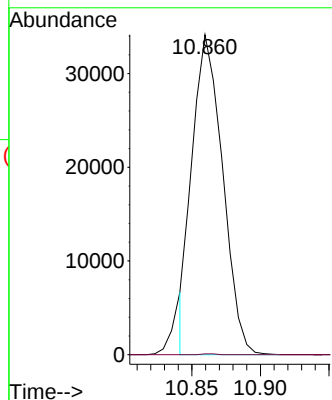
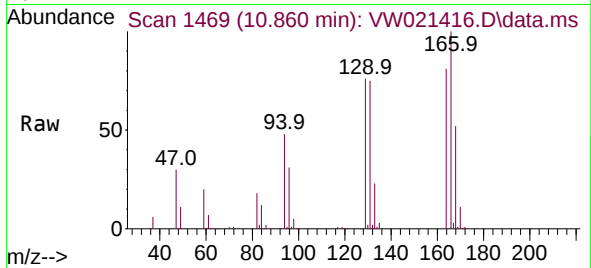




#49  
Dibromochloromethane  
Concen: 140.378 ug/L  
RT: 10.860 min Scan# 14  
Delta R.T. -0.268 min  
Lab File: VW021416.D  
Acq: 16 Dec 2021 15:42

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:129 Resp: 52711  
Ion Ratio Lower Upper  
129 100  
127 0.2 55.7 103.5#



#61  
1,2,3-Trichloropropane  
Concen: 7.679 ug/L  
RT: 13.554 min Scan# 1911  
Delta R.T. 0.786 min  
Lab File: VW021416.D  
Acq: 16 Dec 2021 15:42

Tgt Ion: 75 Resp: 1842  
Ion Ratio Lower Upper  
75 100  
77 37.4 25.8 38.8  
110 0.0 29.0 43.4#

