

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121121\  
 Data File : VW021338.D  
 Acq On : 11 Dec 2021 19:44  
 Operator : SY/VA  
 Sample : M5062-17  
 Misc : 7.69g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 12 08:09:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 10 23:12:45 2021  
 Response via : Initial Calibration

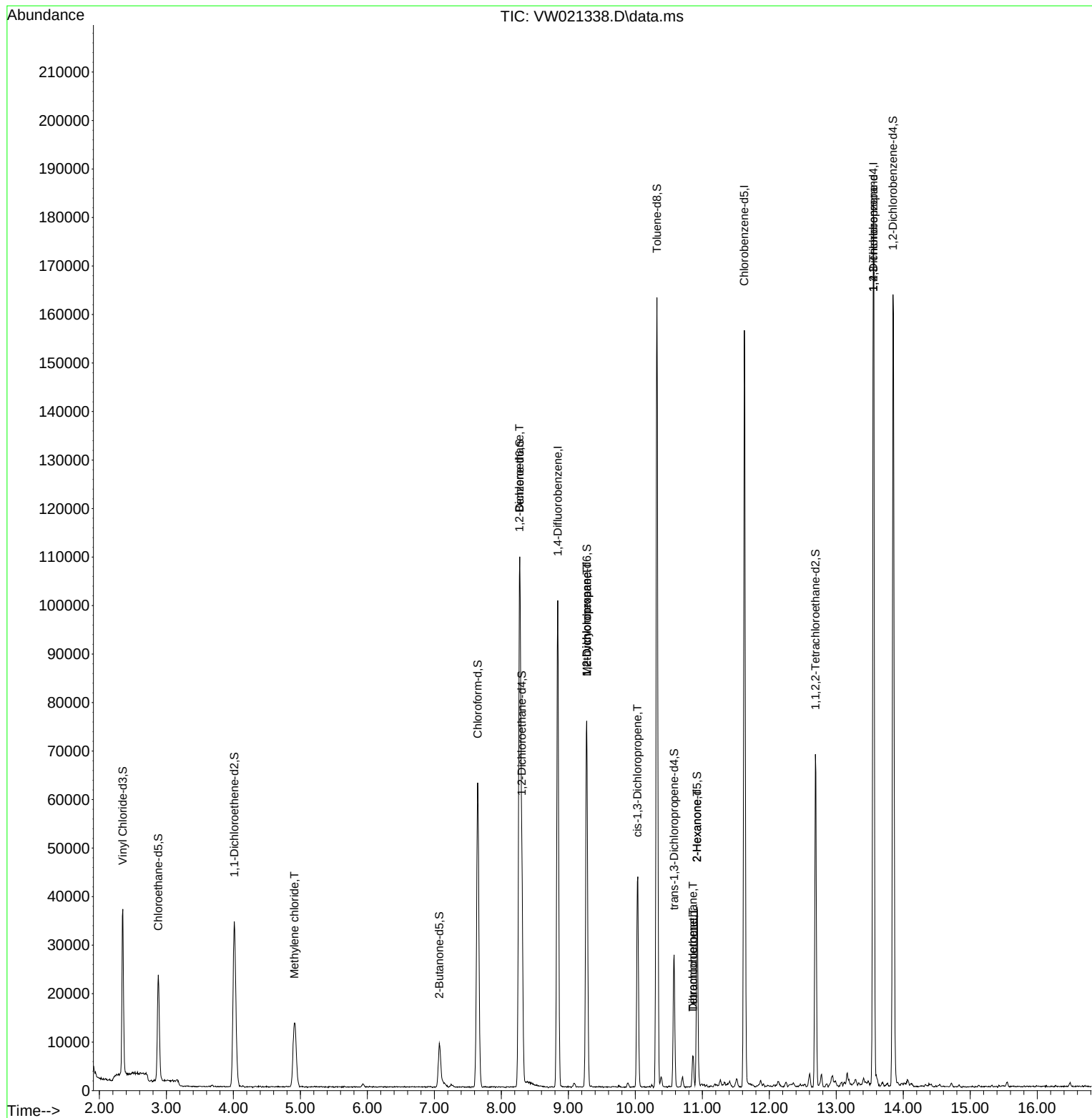
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 83900    | 25.000   | ug/L  | # 0.00    |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 86031    | 25.000   | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 49036    | 25.000   | ug/L  | 0.00      |
|                               |        |       |          |          |       |           |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 33731    | 22.075   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 88.280%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 26158    | 25.895   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 103.600%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 31766    | 15.593   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 62.360%   |
| 21) 2-Butanone-d5             | 7.074  | 46    | 15098    | 70.095   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 140.200%# |
| 24) Chloroform-d              | 7.647  | 84    | 61136    | 26.148   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 104.600%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 33641    | 27.049   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 108.200%  |
| 32) Benzene-d6                | 8.275  | 84    | 111302   | 23.603   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 94.400%   |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 32314    | 25.551   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 102.200%  |
| 41) Toluene-d8                | 10.323 | 98    | 106273   | 22.057   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 88.240%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 14557    | 24.998   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 100.000%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 12351    | 66.044   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 132.080%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 31044    | 28.555   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 114.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 44595    | 23.466   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 93.880%   |
|                               |        |       |          |          |       |           |
| Target Compounds              |        |       |          |          |       | Qvalue    |
| 16) Methylene chloride        | 4.909  | 84    | 11894    | 8.580    | ug/L  | 76        |
| 27) 1,2-Dichloroethane        | 8.269  | 62    | 663      | 0.510    | ug/L  | # 77      |
| 35) Methylcyclohexane         | 9.274  | 83    | 8862     | 4.084    | ug/L  | # 14      |
| 37) 1,2-Dichloropropane       | 9.274  | 63    | 4136     | 3.957    | ug/L  | # 88      |
| 39) cis-1,3-Dichloropropene   | 10.030 | 75    | 1362     | 0.827    | ug/L  | # 64      |
| 46) Tetrachloroethene         | 10.860 | 164   | 1471     | 1.177    | ug/L  | 86        |
| 48) 2-Hexanone                | 10.921 | 43    | 1733     | 4.195    | ug/L  | # 65      |
| 49) Dibromochloromethane      | 10.860 | 129   | 1287     | 1.220    | ug/L  | # 10      |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 5856     | 8.206    | ug/L  | # 67      |
| -----                         |        |       |          |          |       |           |

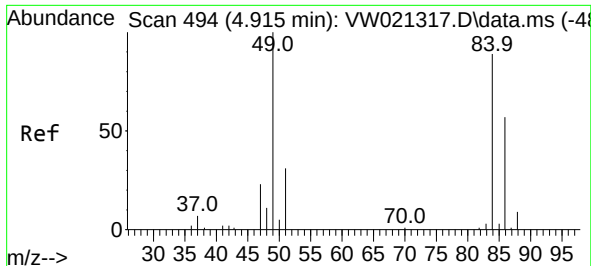
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

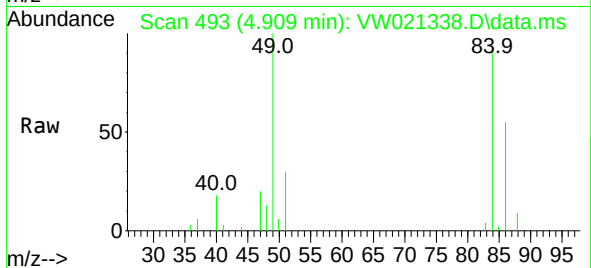
Quant Time: Dec 12 08:09:33 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Dec 10 23:12:45 2021  
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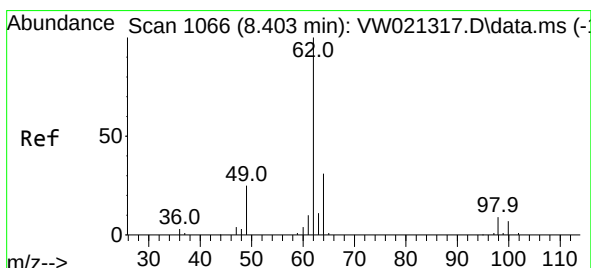
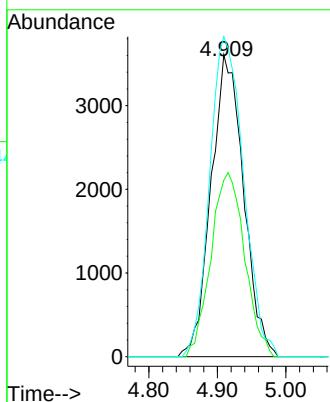
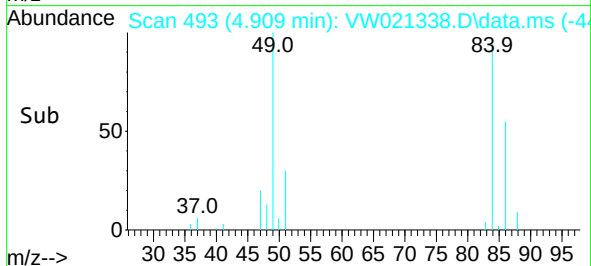


#16  
Methylene chloride  
Concen: 8.580 ug/L  
RT: 4.909 min Scan# 49  
Delta R.T. -0.006 min  
Lab File: VW021338.D  
Acq: 11 Dec 2021 19:44

Instrument :  
MSVOA\_W  
ClientSampleId :

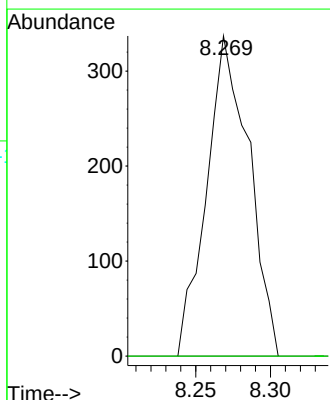
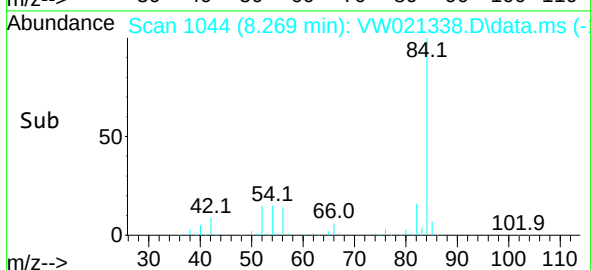
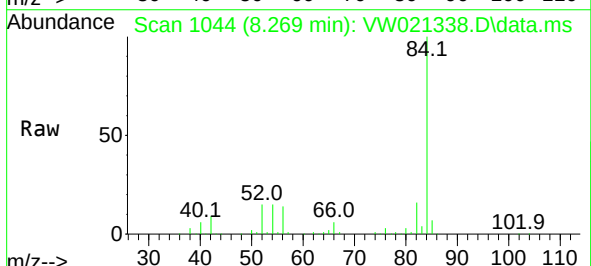


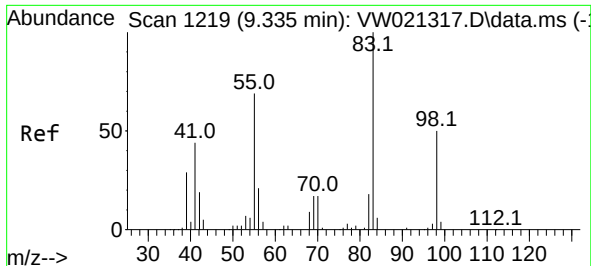
Tgt Ion: 84 Resp: 11894  
Ion Ratio Lower Upper  
84 100  
86 58.5 45.5 84.5  
49 106.0 100.5 186.7



#27  
1,2-Dichloroethane  
Concen: 0.510 ug/L  
RT: 8.269 min Scan# 1044  
Delta R.T. -0.134 min  
Lab File: VW021338.D  
Acq: 11 Dec 2021 19:44

Tgt Ion: 62 Resp: 663  
Ion Ratio Lower Upper  
62 100  
98 0.0 6.5 9.7#





#35

Methylcyclohexane

Concen: 4.084 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.061 min

Lab File: VW021338.D

Acq: 11 Dec 2021 19:44

Instrument :

MSVOA\_W

ClientSampleId :

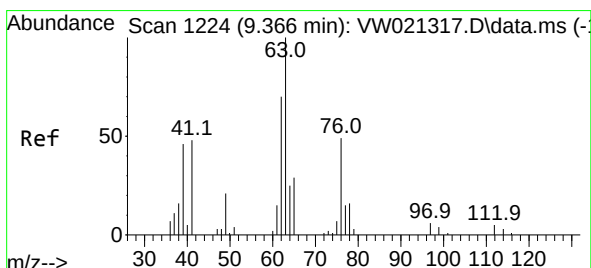
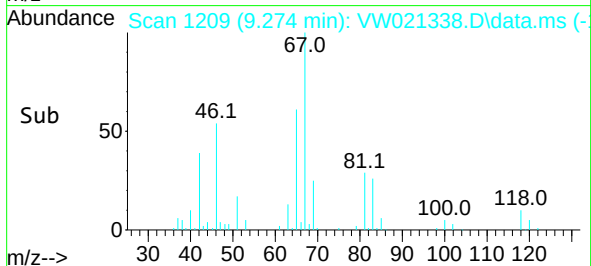
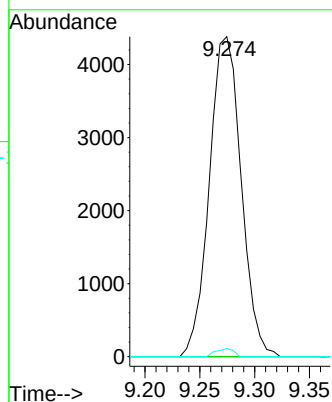
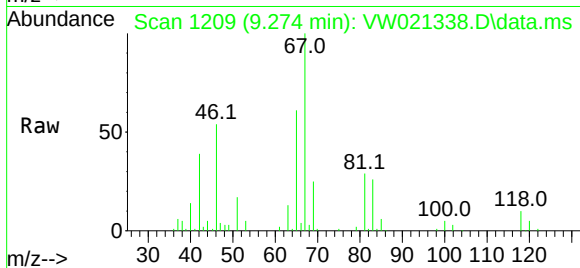
Tgt Ion: 83 Resp: 8862

Ion Ratio Lower Upper

83 100

55 0.0 70.8 106.2#

98 1.5 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 3.957 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.092 min

Lab File: VW021338.D

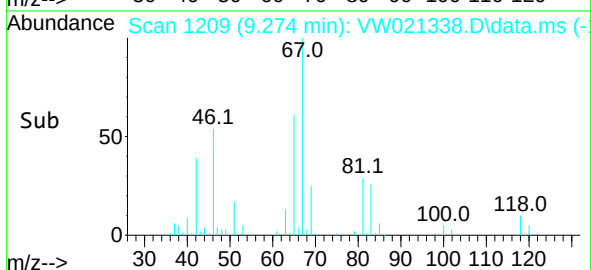
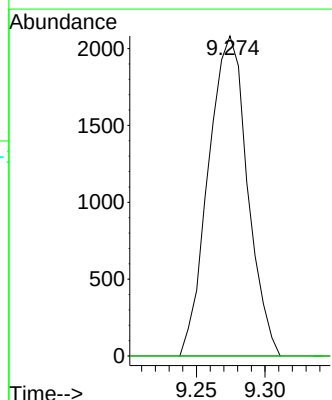
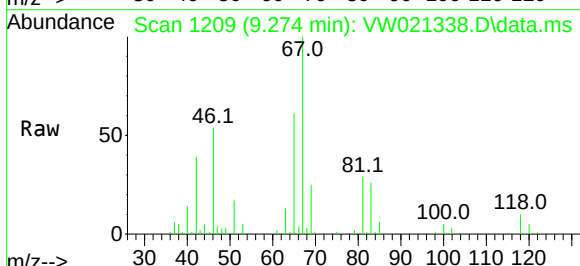
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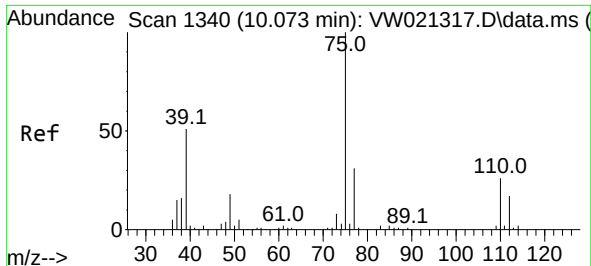
Tgt Ion: 63 Resp: 4136

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.827 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021338.D

Acq: 11 Dec 2021 19:44

Instrument :

MSVOA\_W

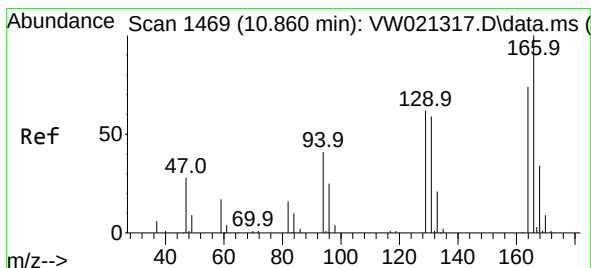
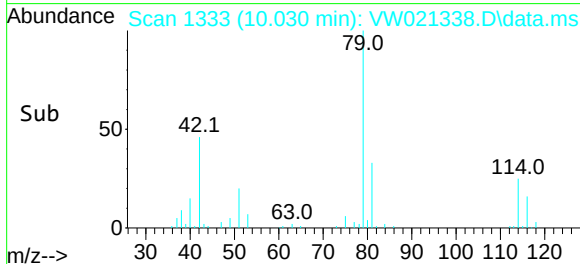
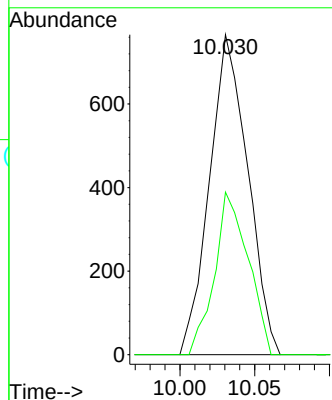
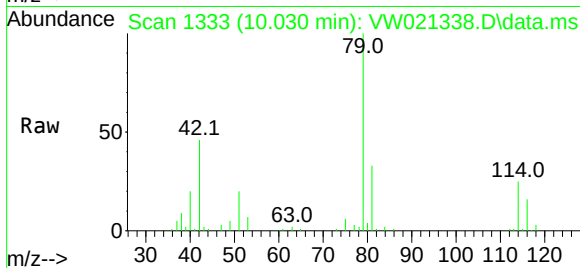
ClientSampleId :

Tgt Ion: 75 Resp: 1362

Ion Ratio Lower Upper

75 100

77 50.8 21.8 40.6#



#46

Tetrachloroethene

Concen: 1.177 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW021338.D

Acq: 11 Dec 2021 19:44

Tgt Ion:164 Resp: 1471

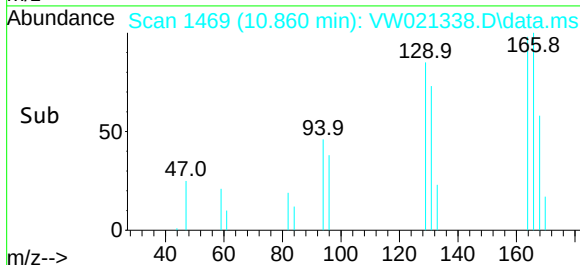
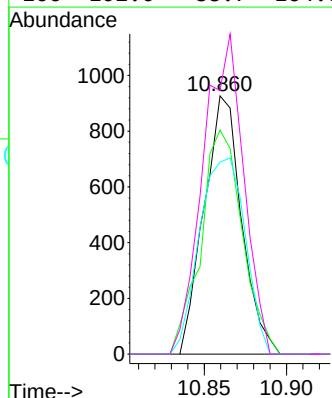
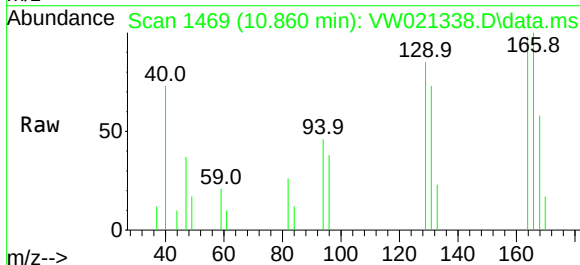
Ion Ratio Lower Upper

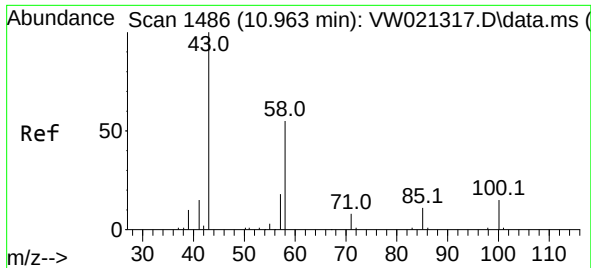
164 100

129 86.7 65.5 121.7

131 74.3 59.7 110.9

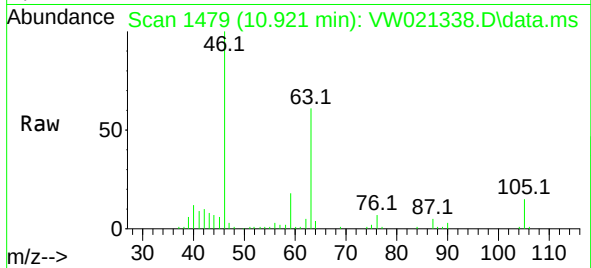
166 102.0 88.7 164.7



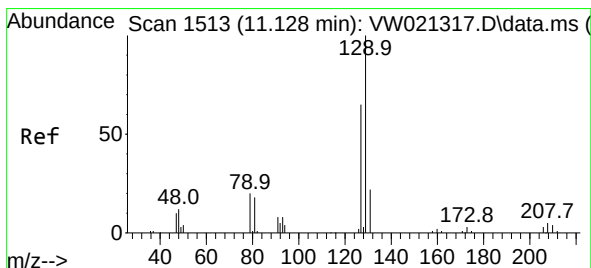
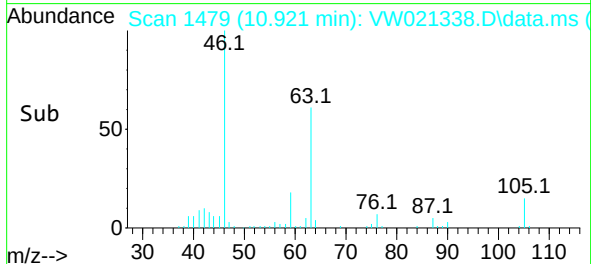
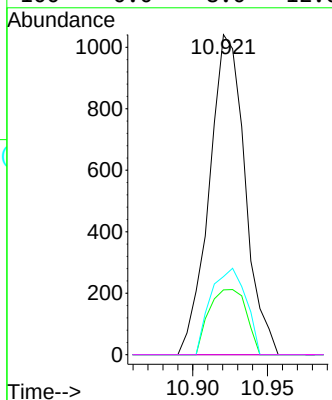


#48  
2-Hexanone  
Concen: 4.195 ug/L  
RT: 10.921 min Scan# 1486  
Delta R.T. -0.049 min  
Lab File: VW021338.D  
Acq: 11 Dec 2021 19:44

Instrument :  
MSVOA\_W  
ClientSampleId :

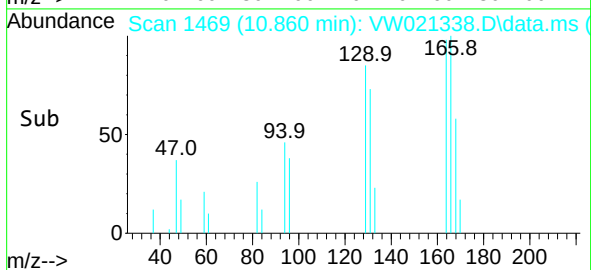
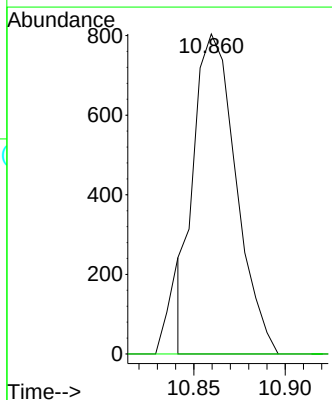
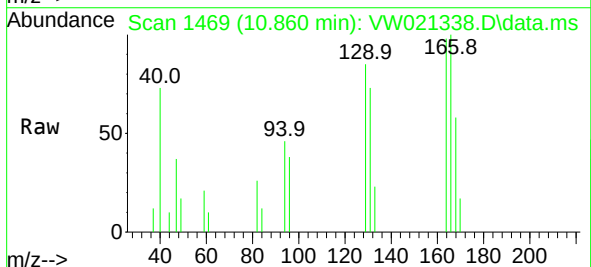


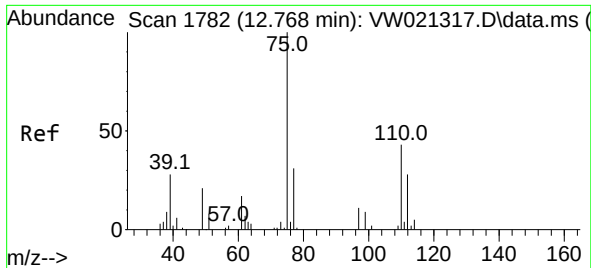
Tgt Ion: 43 Resp: 1733  
Ion Ratio Lower Upper  
43 100  
58 21.1 40.2 60.2#  
57 26.6 14.3 21.5#  
100 0.0 8.0 12.0#



#49  
Dibromochloromethane  
Concen: 1.220 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.268 min  
Lab File: VW021338.D  
Acq: 11 Dec 2021 19:44

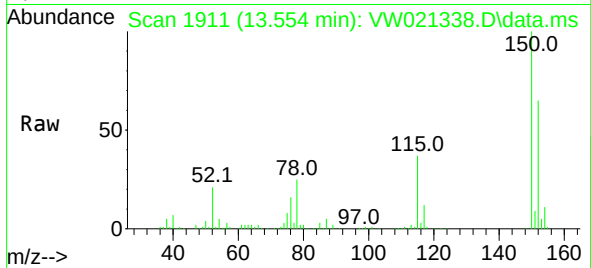
Tgt Ion:129 Resp: 1287  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.7 103.5#





#61  
 1,2,3-Trichloropropane  
 Concen: 8.206 ug/L  
 RT: 13.554 min Scan# 1911  
 Delta R.T. 0.786 min  
 Lab File: VW021338.D  
 Acq: 11 Dec 2021 19:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5856  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.1  | 25.8  | 38.8  |
| 110      | 1.8   | 29.0  | 43.4# |

