

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011022\  
 Data File : VW0217812.D  
 Acq On : 10 Jan 2022 12:25  
 Operator : SY/VA  
 Sample : N1074-20  
 Misc : 5.94g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jan 10 13:08:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM122821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jan 07 22:46:04 2022  
 Response via : Initial Calibration

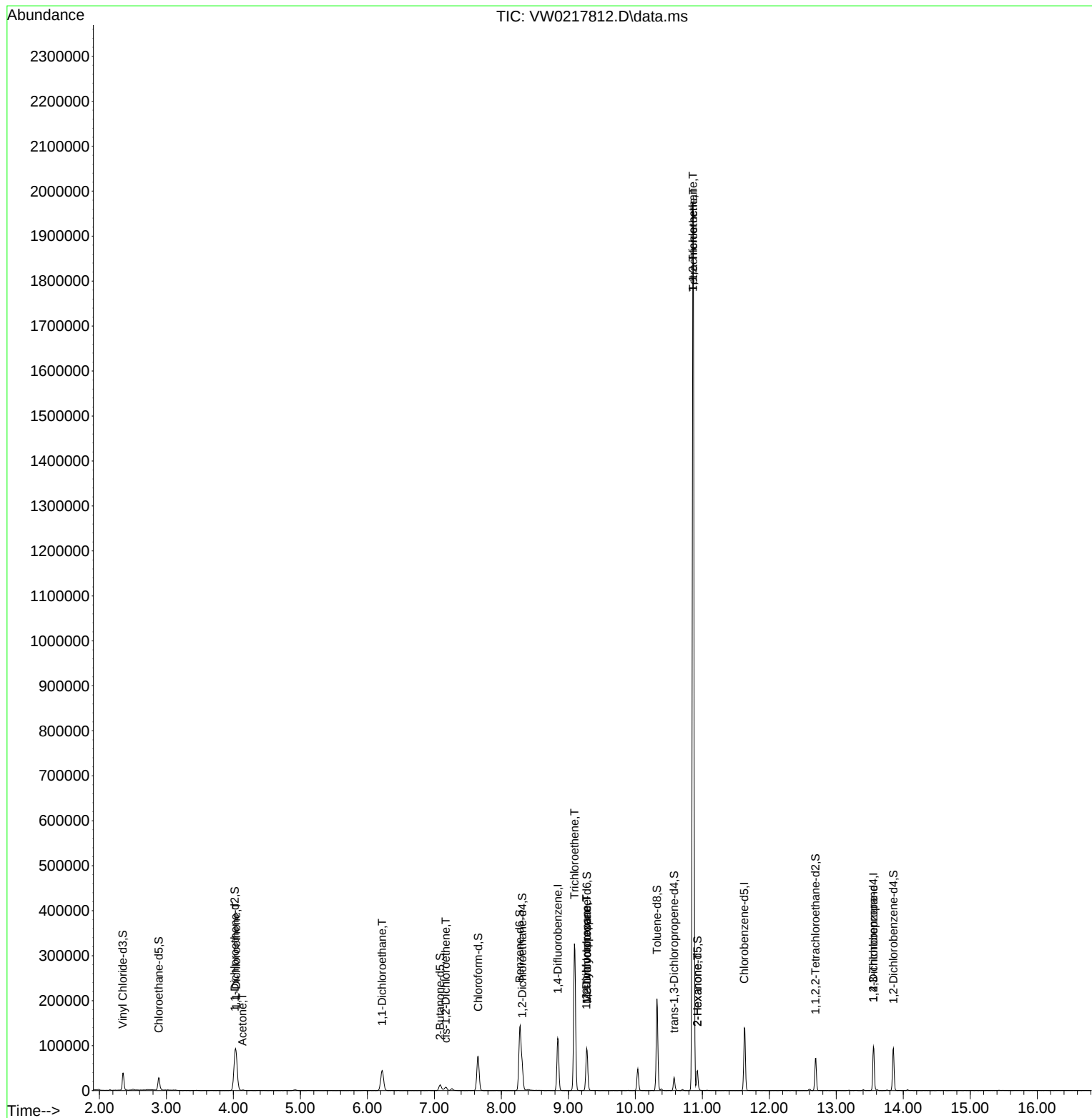
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 106761   | 25.000   | ug/L  | # 0.00    |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 86481    | 25.000   | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 27233    | 25.000   | ug/L  | 0.00      |
|                               |        |       |          |          |       |           |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 38374    | 18.230   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 72.920%   |
| 7) Chloroethane-d5            | 2.885  | 69    | 28941    | 20.413   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 81.640%   |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 64902    | 21.069   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 84.280%   |
| 21) 2-Butanone-d5             | 7.086  | 46    | 20918    | 67.924   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 135.840%# |
| 24) Chloroform-d              | 7.653  | 84    | 78723    | 23.606   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 94.440%   |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 43104    | 24.477   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 97.920%   |
| 32) Benzene-d6                | 8.275  | 84    | 153570   | 29.906   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 119.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 41951    | 30.115   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 120.480%# |
| 41) Toluene-d8                | 10.323 | 98    | 133933   | 26.178   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 104.720%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 15489    | 22.851   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 91.400%   |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 15482    | 73.283   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 146.560%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 33473    | 29.146   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 116.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 26992    | 25.919   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 103.680%  |
|                               |        |       |          |          |       |           |
| Target Compounds              |        |       |          |          |       | Qvalue    |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 35790    | 22.645   | ug/L  | 75        |
| 13) Acetone                   | 4.135  | 43    | 1131     | 4.325    | ug/L  | 95        |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 61229    | 23.506   | ug/L  | 93        |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 4123     | 2.379    | ug/L  | 81        |
| 34) Trichloroethene           | 9.092  | 95    | 109463   | 73.076   | ug/L  | 89        |
| 35) Methylcyclohexane         | 9.274  | 83    | 11706    | 4.737    | ug/L  | # 15      |
| 37) 1,2-Dichloropropane       | 9.268  | 63    | 5286     | 4.520    | ug/L  | # 88      |
| 45) 1,1,2-Trichloroethane     | 10.860 | 97    | 3930     | 4.046    | ug/L  | # 17      |
| 46) Tetrachloroethene         | 10.866 | 164   | 457760   | 326.329  | ug/L  | 98        |
| 48) 2-Hexanone                | 10.927 | 43    | 1853     | 4.236    | ug/L  | # 77      |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 2963     | 7.110    | ug/L  | # 68      |
| -----                         |        |       |          |          |       |           |

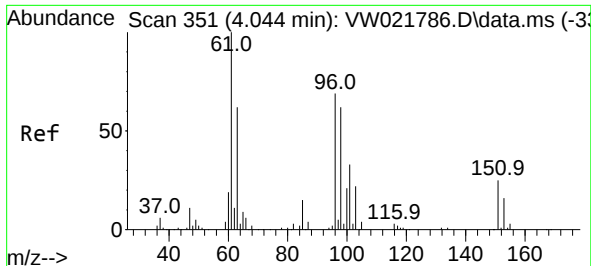
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011022\  
Data File : VW0217812.D  
Acq On : 10 Jan 2022 12:25  
Operator : SY/VA  
Sample : N1074-20  
Misc : 5.94g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

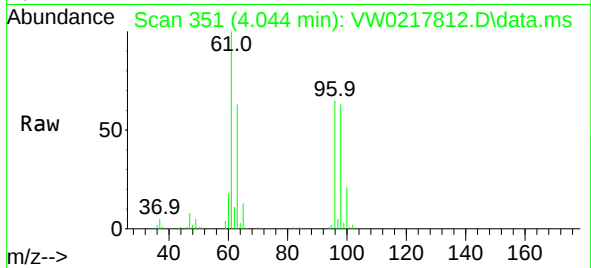
Quant Time: Jan 10 13:08:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM122821SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Jan 07 22:46:04 2022  
Response via : Initial Calibration





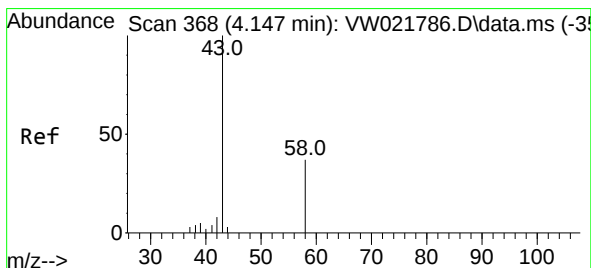
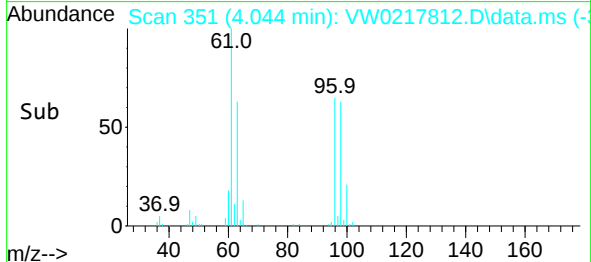
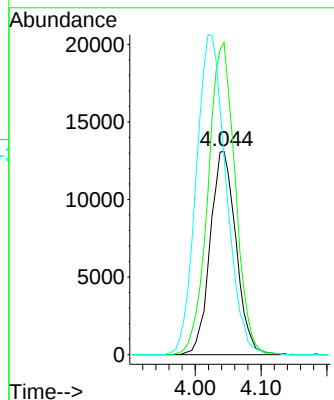
#12  
1,1-Dichloroethene  
Concen: 22.645 ug/L  
RT: 4.044 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VW0217812.D  
Acq: 10 Jan 2022 12:25

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 35790

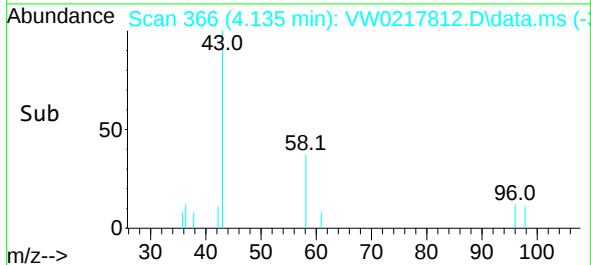
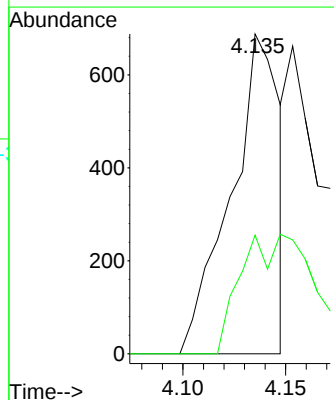
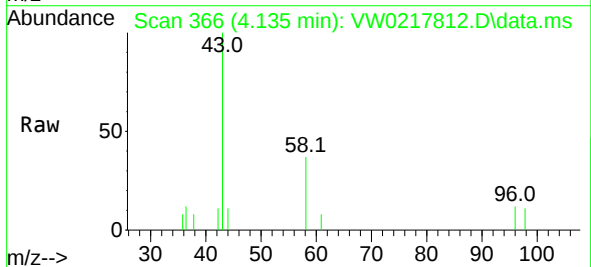
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 153.3 | 138.3 | 256.9 |
| 63  | 97.3  | 82.6  | 153.4 |

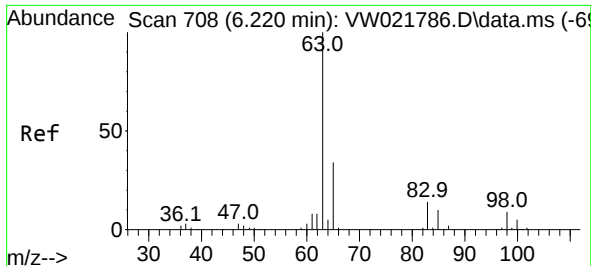


#13  
Acetone  
Concen: 4.325 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. -0.012 min  
Lab File: VW0217812.D  
Acq: 10 Jan 2022 12:25

Tgt Ion: 43 Resp: 1131

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 23.9  | 0.0   | 52.8  |





#19

1,1-Dichloroethane

Concen: 23.506 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW0217812.D

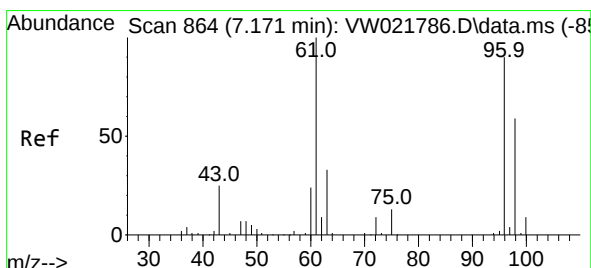
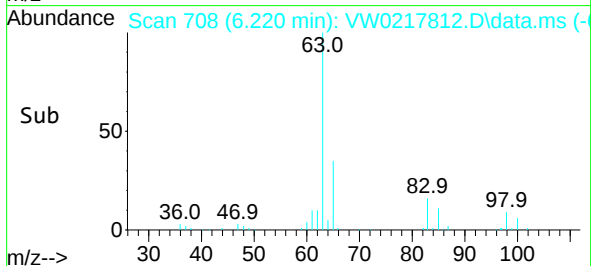
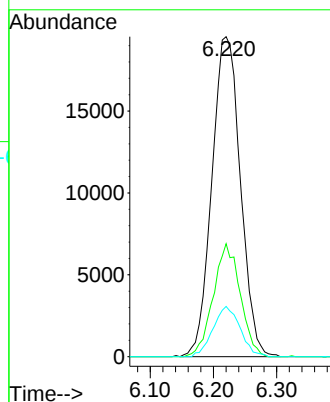
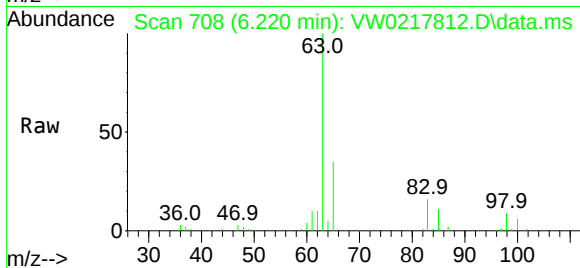
Acq: 10 Jan 2022 12:25

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 61229 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 35.3  | 22.1  | 41.1  |
| 83       | 15.7  | 9.2   | 17.2  |



#20

cis-1,2-Dichloroethene

Concen: 2.379 ug/L

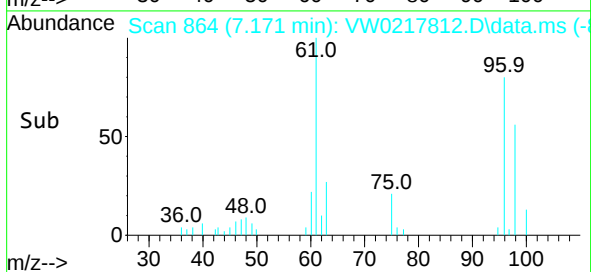
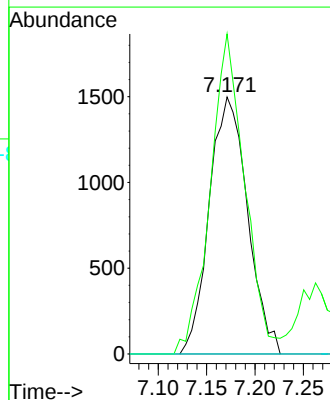
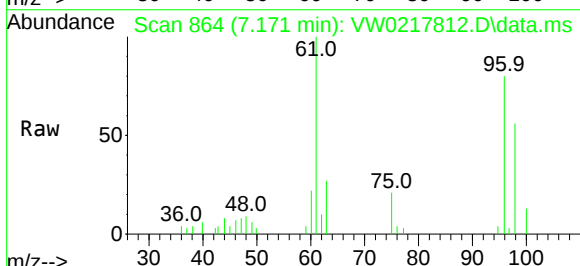
RT: 7.171 min Scan# 864

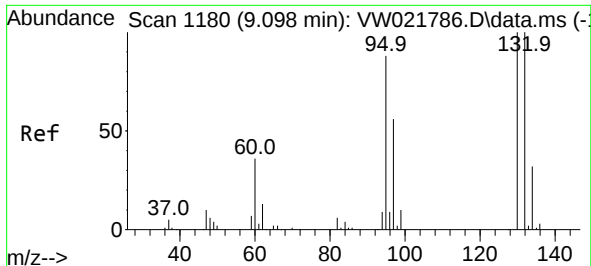
Delta R.T. -0.000 min

Lab File: VW0217812.D

Acq: 10 Jan 2022 12:25

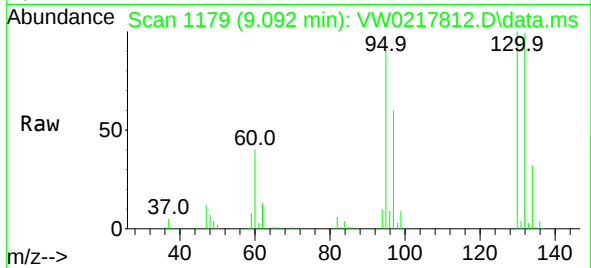
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 4123  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 124.6 | 103.7 | 192.7 |
| 68       | 0.0   | 0.0   | 0.0   |



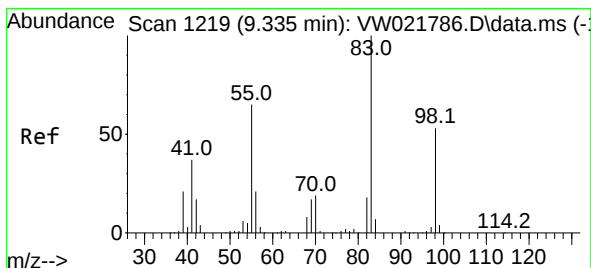
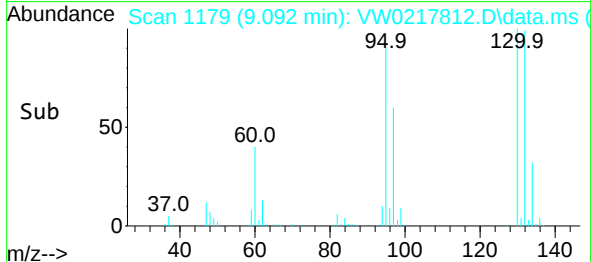
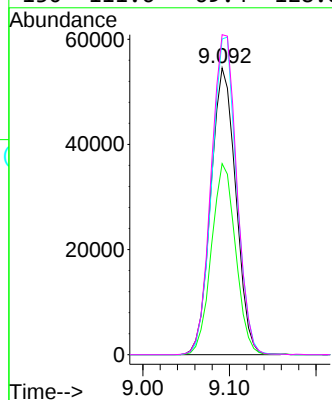


#34  
Trichloroethene  
Concen: 73.076 ug/L  
RT: 9.092 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VW0217812.D  
Acq: 10 Jan 2022 12:25

Instrument :  
MSVOA\_W  
ClientSampleId :

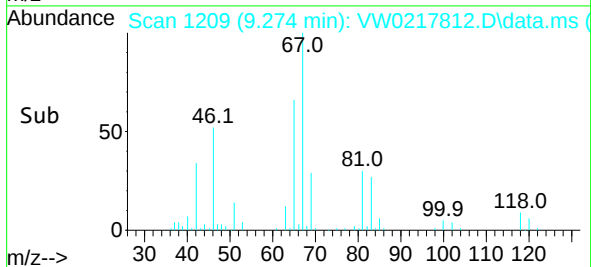
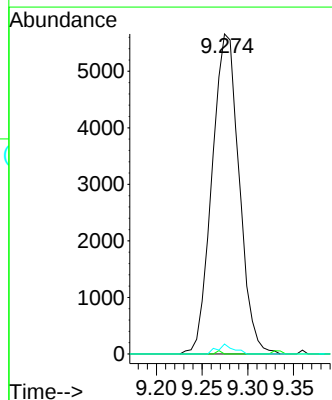
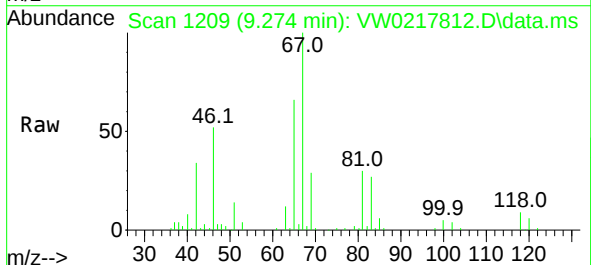


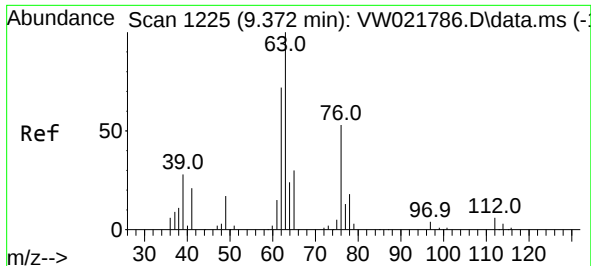
Tgt Ion: 95 Resp: 109463  
Ion Ratio Lower Upper  
95 100  
97 66.6 47.0 87.2  
132 110.1 65.5 121.6  
130 111.6 69.4 128.8



#35  
Methylcyclohexane  
Concen: 4.737 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW0217812.D  
Acq: 10 Jan 2022 12:25

Tgt Ion: 83 Resp: 11706  
Ion Ratio Lower Upper  
83 100  
55 0.4 70.8 106.2#  
98 1.8 37.7 56.5#





#37

1,2-Dichloropropane

Concen: 4.520 ug/L

RT: 9.268 min Scan# 11

Delta R.T. -0.104 min

Lab File: VW0217812.D

Acq: 10 Jan 2022 12:25

Instrument :

MSVOA\_W

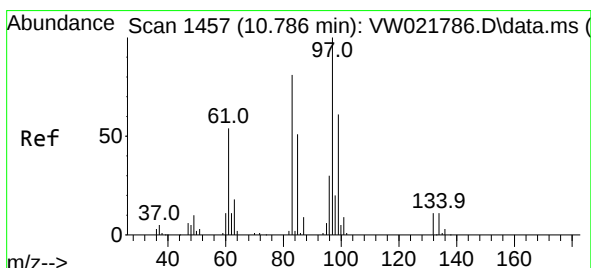
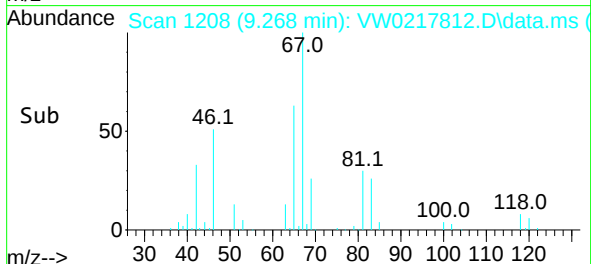
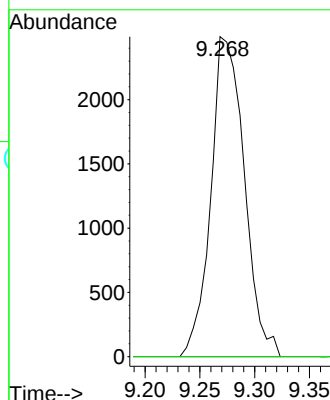
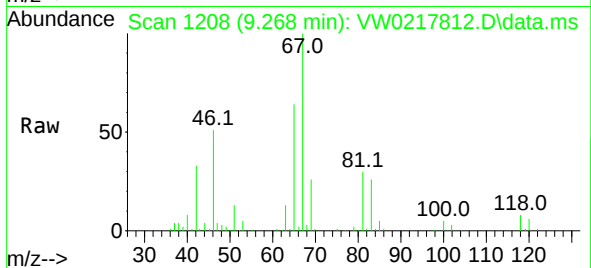
ClientSampleId :

Tgt Ion: 63 Resp: 5286

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#45

1,1,2-Trichloroethane

Concen: 4.046 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.073 min

Lab File: VW0217812.D

Acq: 10 Jan 2022 12:25

Tgt Ion: 97 Resp: 3930

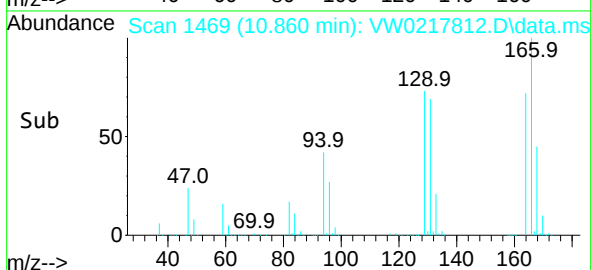
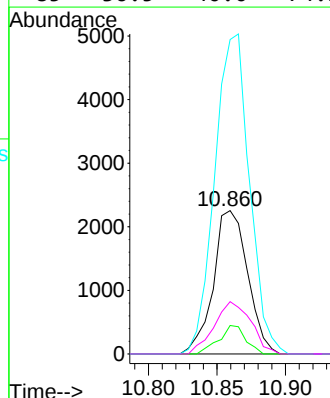
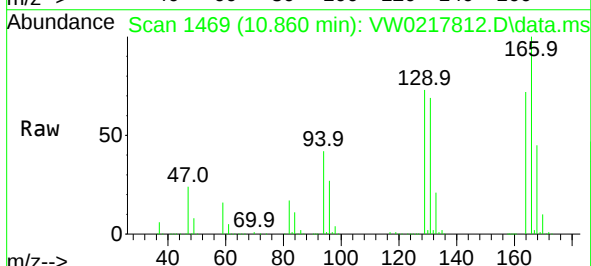
Ion Ratio Lower Upper

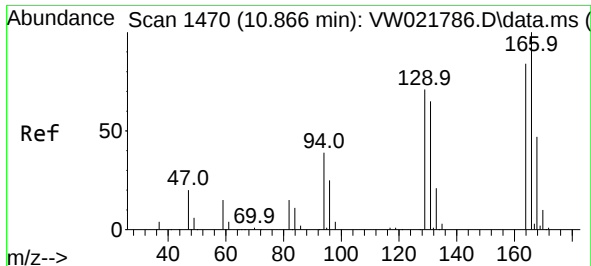
97 100

99 19.8 43.0 79.8#

83 219.3 62.6 116.3#

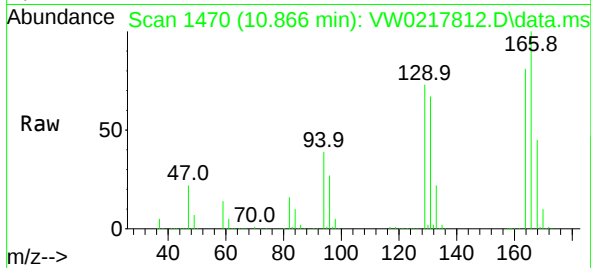
85 36.5 40.0 74.2#



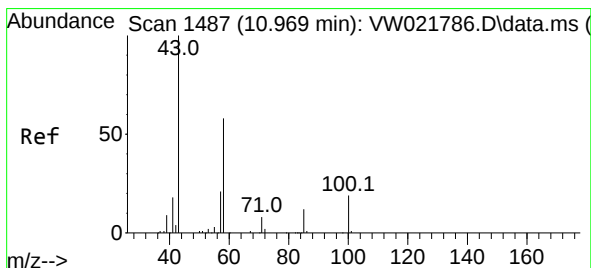
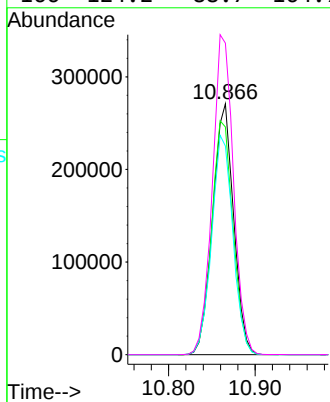
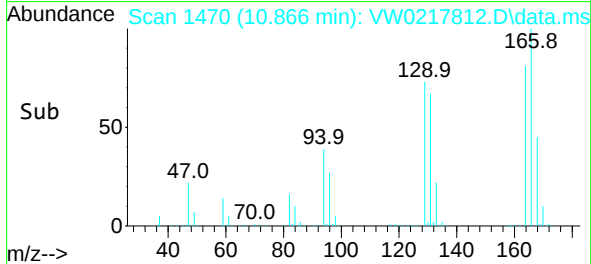


#46  
Tetrachloroethene  
Concen: 326.329 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VW0217812.D  
Acq: 10 Jan 2022 12:25

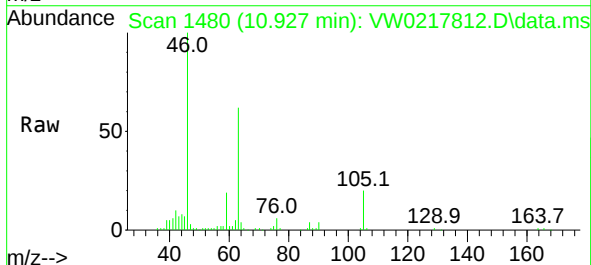
Instrument :  
MSVOA\_W  
ClientSampleId :



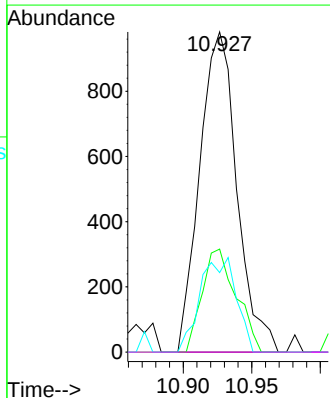
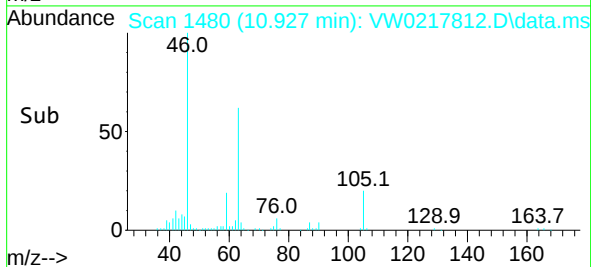
Tgt Ion:164 Resp: 457760  
Ion Ratio Lower Upper  
164 100  
129 90.8 65.5 121.7  
131 83.2 59.7 110.9  
166 124.2 88.7 164.7

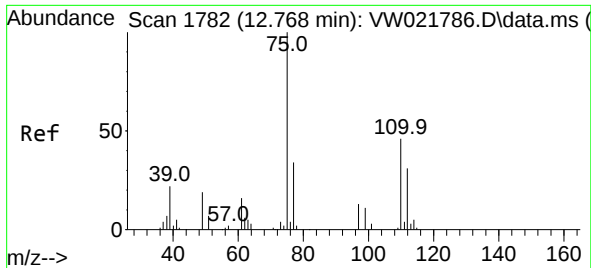


#48  
2-Hexanone  
Concen: 4.236 ug/L  
RT: 10.927 min Scan# 1480  
Delta R.T. -0.043 min  
Lab File: VW0217812.D  
Acq: 10 Jan 2022 12:25



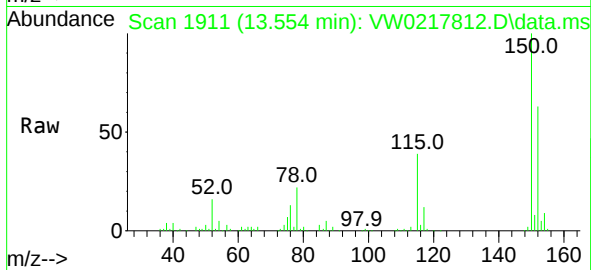
Tgt Ion: 43 Resp: 1853  
Ion Ratio Lower Upper  
43 100  
58 29.5 40.2 60.2#  
57 17.9 14.3 21.5  
100 0.0 8.0 12.0#





#61  
 1,2,3-Trichloropropane  
 Concen: 7.110 ug/L  
 RT: 13.554 min Scan# 1911  
 Delta R.T. 0.786 min  
 Lab File: VW0217812.D  
 Acq: 10 Jan 2022 12:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2963  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 33.9  | 25.8  | 38.8  |
| 110      | 1.8   | 29.0  | 43.4# |

