

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121521\  
 Data File : VW021393.D  
 Acq On : 15 Dec 2021 16:41  
 Operator : SY/VA  
 Sample : M5101-10  
 Misc : 6.61g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 16 00:59:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 16 00:57:02 2021  
 Response via : Initial Calibration

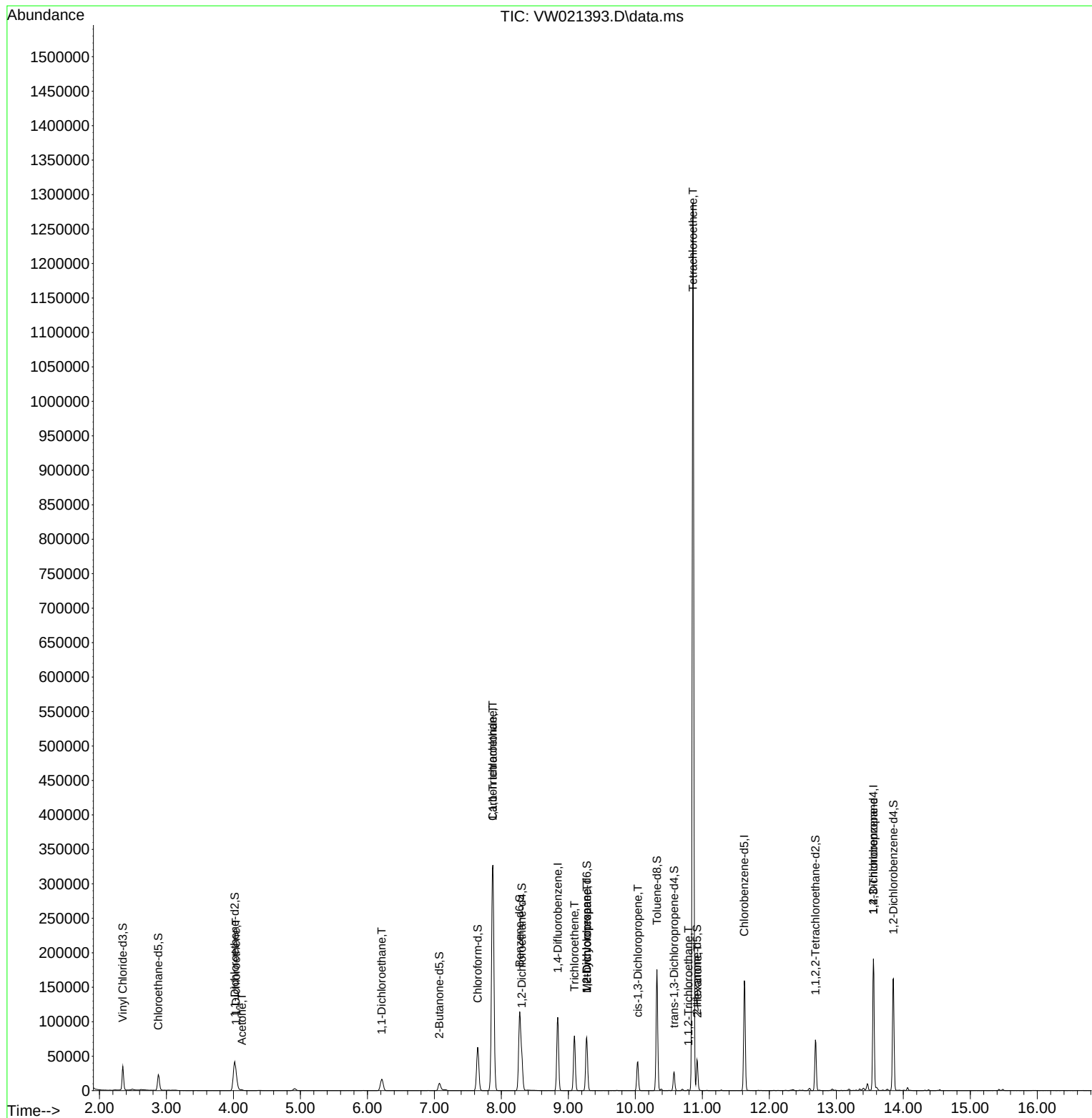
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 91201    | 25.000   | ug/L   | # 0.00    |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 92692    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 50864    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 32354    | 19.479   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 77.920%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 26380    | 24.024   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.080%   |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 37581    | 16.971   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 67.880%   |
| 21) 2-Butanone-d5             | 7.074  | 46    | 17965    | 76.729   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 153.460%# |
| 24) Chloroform-d              | 7.647  | 84    | 61955    | 24.377   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 97.520%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 35797    | 26.478   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 105.920%  |
| 32) Benzene-d6                | 8.275  | 84    | 114566   | 22.549   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.200%   |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 33587    | 24.649   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.600%   |
| 41) Toluene-d8                | 10.323 | 98    | 111053   | 21.392   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 85.560%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 14547    | 23.186   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 92.760%   |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 15006    | 74.474   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 148.940%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 33086    | 28.246   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 113.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 44530    | 22.590   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 90.360%   |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 12) 1,1-Dichloroethene        | 4.037  | 96    | 8234     | 7.284    | ug/L # | 39        |
| 13) Acetone                   | 4.129  | 43    | 2035     | 9.695    | ug/L   | 97        |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 23229    | 12.094   | ug/L   | 99        |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97    | 267657   | 128.697  | ug/L   | 94        |
| 31) Carbon tetrachloride      | 7.872  | 117   | 34769    | 18.123   | ug/L   | 99        |
| 34) Trichloroethene           | 9.091  | 95    | 25031    | 17.659   | ug/L   | 88        |
| 35) Methylcyclohexane         | 9.274  | 83    | 9015     | 3.856    | ug/L # | 14        |
| 37) 1,2-Dichloropropane       | 9.274  | 63    | 4292     | 3.811    | ug/L # | 88        |
| 39) cis-1,3-Dichloropropene   | 10.036 | 75    | 1215     | 0.684    | ug/L # | 77        |
| 45) 1,1,2-Trichloroethane     | 10.792 | 97    | 523      | 0.567    | ug/L # | 61        |
| 46) Tetrachloroethene         | 10.859 | 164   | 285284   | 211.868  | ug/L   | 92        |
| 48) 2-Hexanone                | 10.926 | 43    | 1869     | 4.200    | ug/L # | 71        |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 5516     | 7.451    | ug/L # | 66        |
| -----                         |        |       |          |          |        |           |

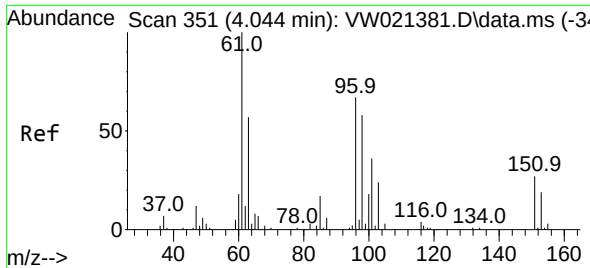
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121521\  
Data File : VW021393.D  
Acq On : 15 Dec 2021 16:41  
Operator : SY/VA  
Sample : M5101-10  
Misc : 6.61g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 16 00:59:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Dec 16 00:57:02 2021  
Response via : Initial Calibration

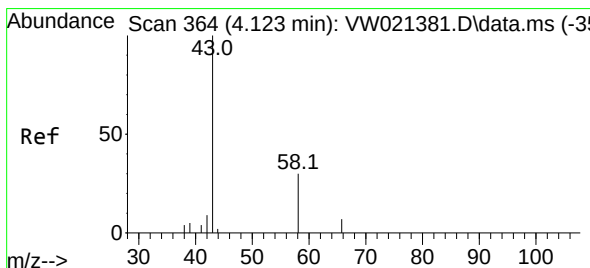
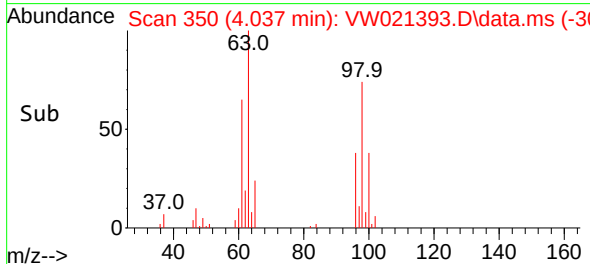
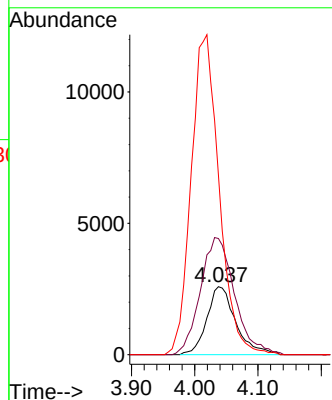
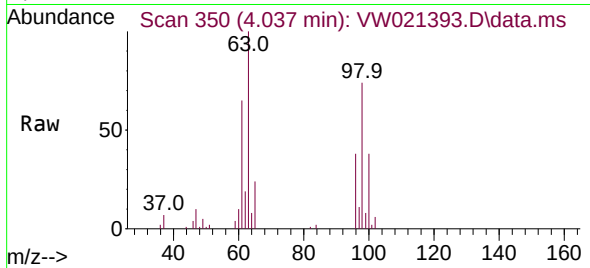




#12  
1,1-Dichloroethene  
Concen: 7.284 ug/L  
RT: 4.037 min Scan# 351  
Delta R.T. -0.006 min  
Lab File: VW021393.D  
Acq: 15 Dec 2021 16:41

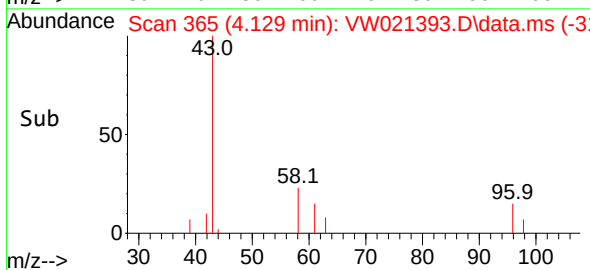
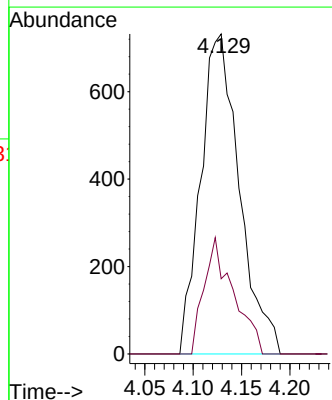
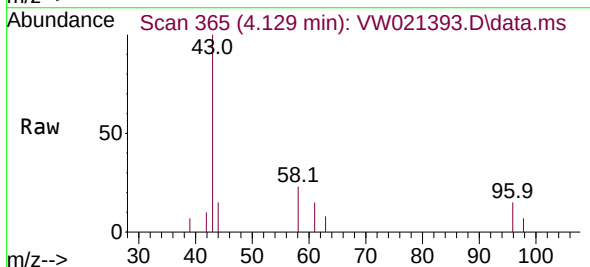
Instrument :  
MSVOA\_W  
ClientSampleId :

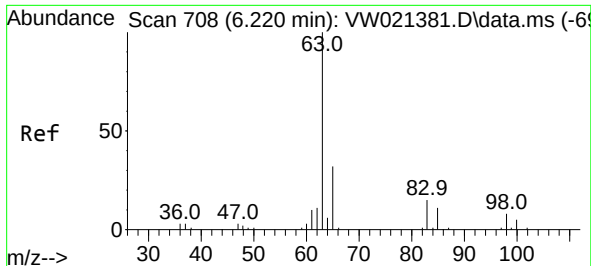
Tgt Ion: 96 Resp: 8234  
Ion Ratio Lower Upper  
96 100  
61 170.7 138.3 256.9  
63 263.8 82.6 153.4#



#13  
Acetone  
Concen: 9.695 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.006 min  
Lab File: VW021393.D  
Acq: 15 Dec 2021 16:41

Tgt Ion: 43 Resp: 2035  
Ion Ratio Lower Upper  
43 100  
58 27.7 0.0 52.8





#19

1,1-Dichloroethane

Concen: 12.094 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.006 min

Lab File: VW021393.D

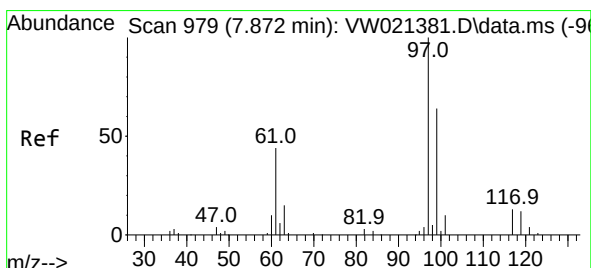
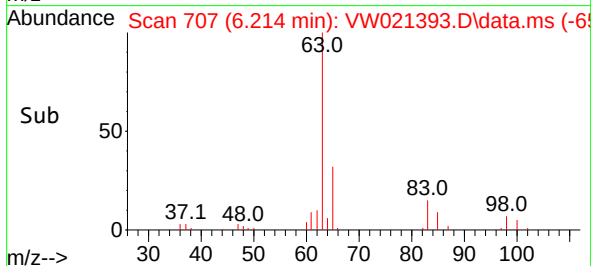
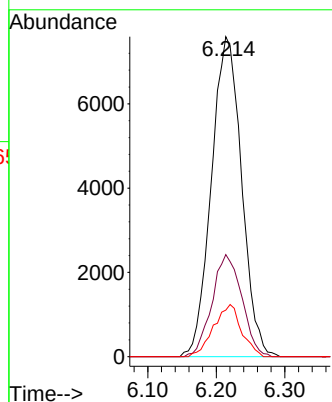
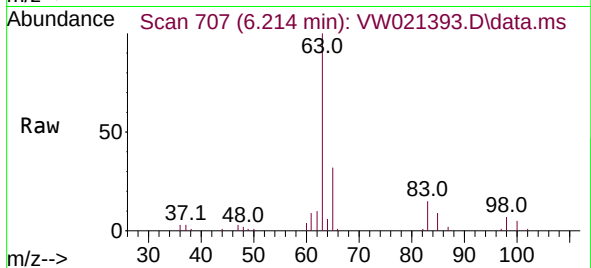
Acq: 15 Dec 2021 16:41

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 23229 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.9  | 22.1  | 41.1  |
| 83       | 14.6  | 9.2   | 17.2  |



#30

1,1,1-Trichloroethane

Concen: 128.697 ug/L

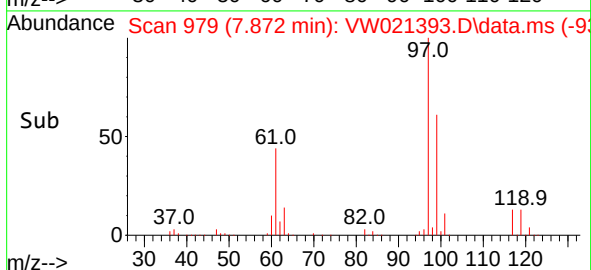
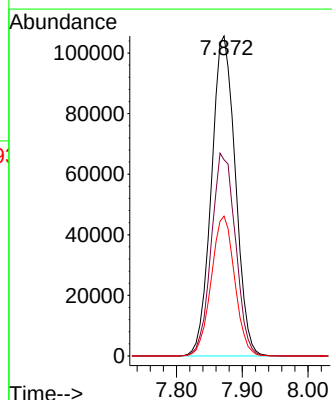
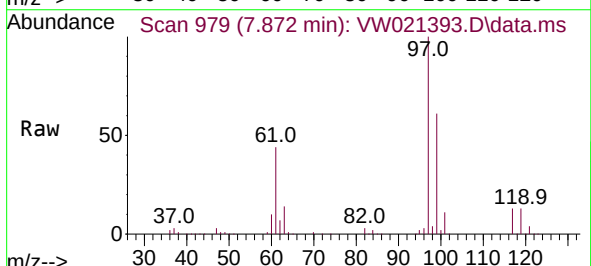
RT: 7.872 min Scan# 979

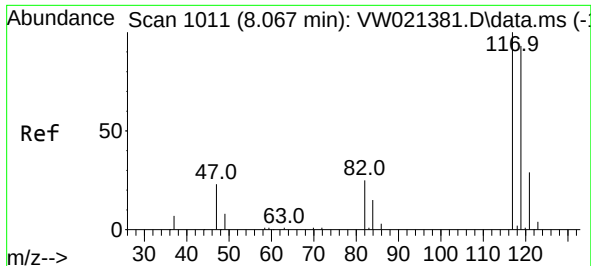
Delta R.T. -0.000 min

Lab File: VW021393.D

Acq: 15 Dec 2021 16:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 267657 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.9  | 51.6  | 77.4   |
| 61       | 42.8  | 40.9  | 61.3   |

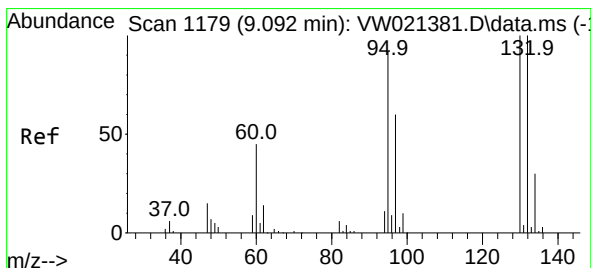
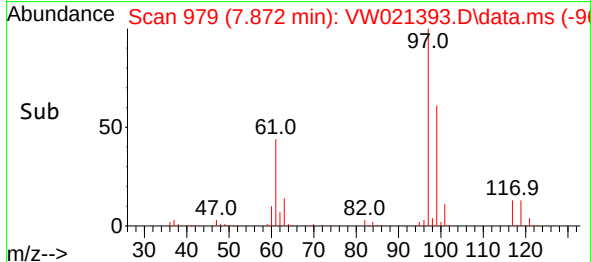
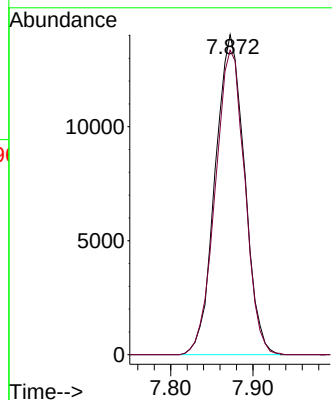
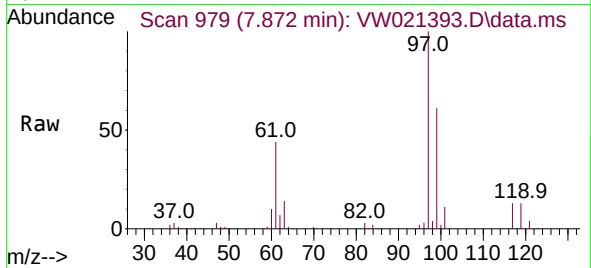




#31  
Carbon tetrachloride  
Concen: 18.123 ug/L  
RT: 7.872 min Scan# 91  
Delta R.T. -0.195 min  
Lab File: VW021393.D  
Acq: 15 Dec 2021 16:41

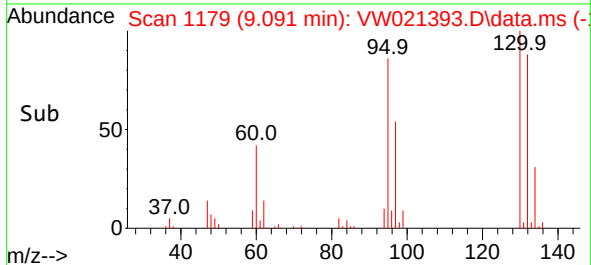
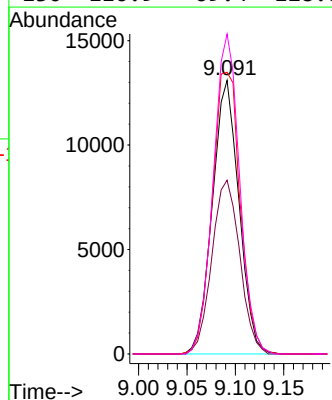
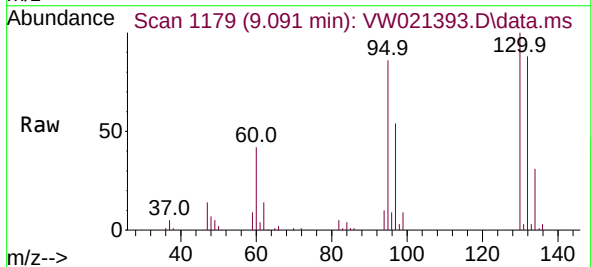
Instrument :  
MSVOA\_W  
ClientSampleId :

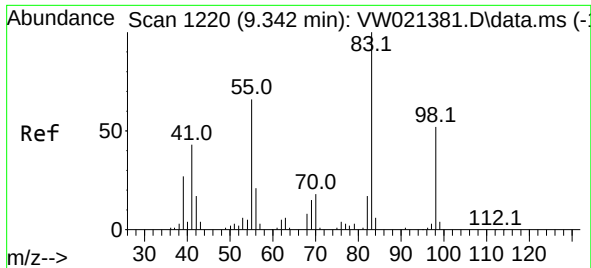
Tgt Ion:117 Resp: 34769  
Ion Ratio Lower Upper  
117 100  
119 95.7 75.7 113.5



#34  
Trichloroethene  
Concen: 17.659 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW021393.D  
Acq: 15 Dec 2021 16:41

Tgt Ion: 95 Resp: 25031  
Ion Ratio Lower Upper  
95 100  
97 63.5 47.0 87.2  
132 103.0 65.5 121.6  
130 116.9 69.4 128.8

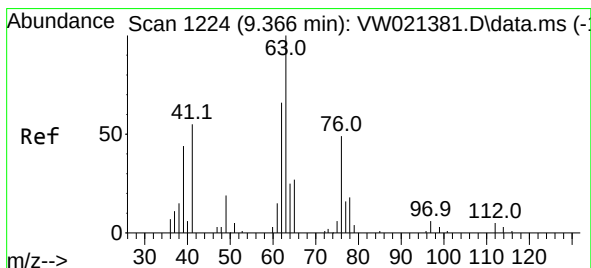
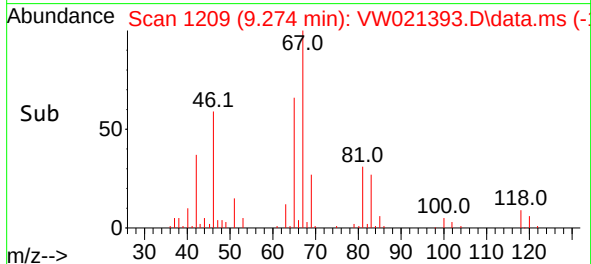
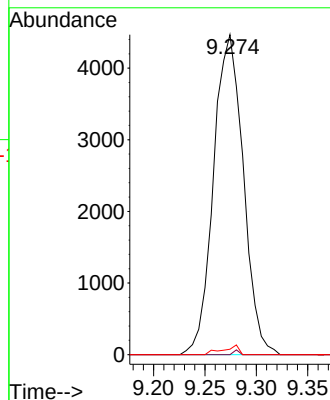
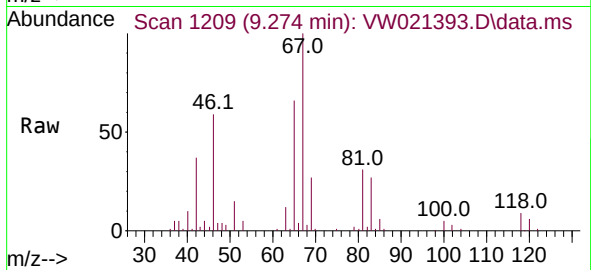




#35  
Methylcyclohexane  
Concen: 3.856 ug/L  
RT: 9.274 min Scan# 11  
Delta R.T. -0.067 min  
Lab File: VW021393.D  
Acq: 15 Dec 2021 16:41

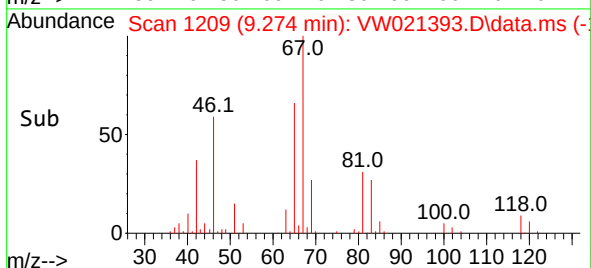
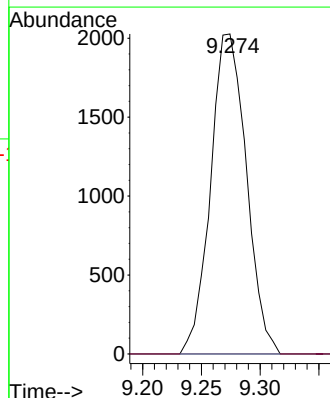
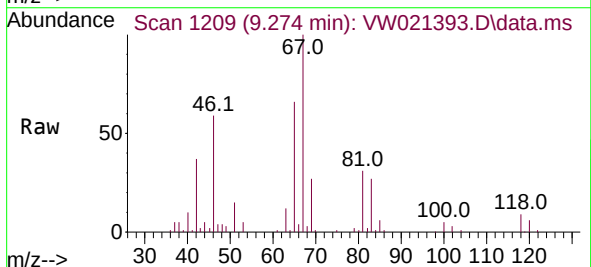
Instrument :  
MSVOA\_W  
ClientSampleId :

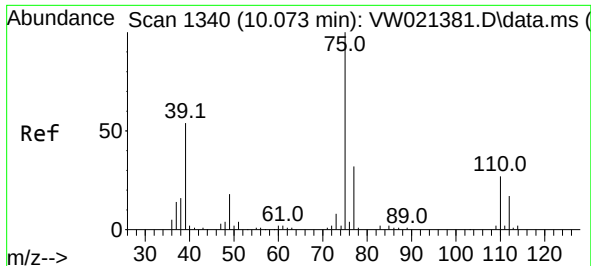
Tgt Ion: 83 Resp: 9015  
Ion Ratio Lower Upper  
83 100  
55 0.0 70.8 106.2#  
98 1.1 37.7 56.5#



#37  
1,2-Dichloropropane  
Concen: 3.811 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.092 min  
Lab File: VW021393.D  
Acq: 15 Dec 2021 16:41

Tgt Ion: 63 Resp: 4292  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.684 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021393.D

Acq: 15 Dec 2021 16:41

Instrument :

MSVOA\_W

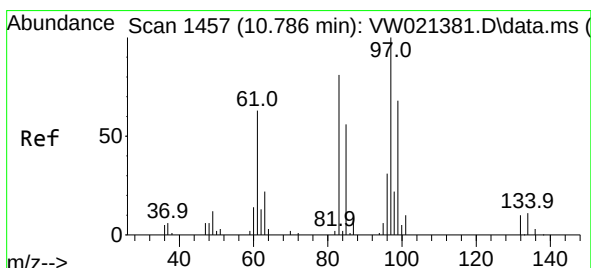
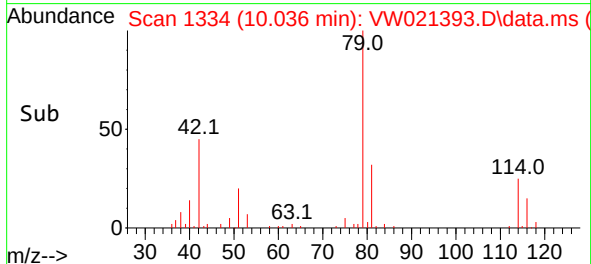
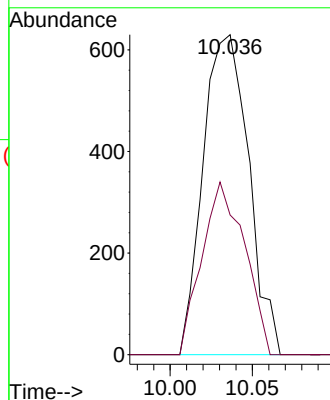
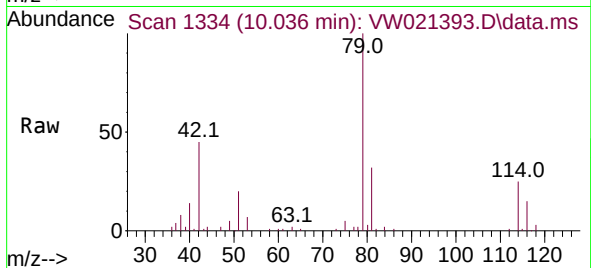
ClientSampleId :

Tgt Ion: 75 Resp: 1215

Ion Ratio Lower Upper

75 100

77 43.7 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 0.567 ug/L

RT: 10.792 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VW021393.D

Acq: 15 Dec 2021 16:41

Tgt Ion: 97 Resp: 523

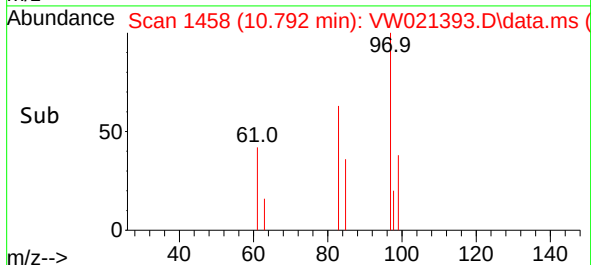
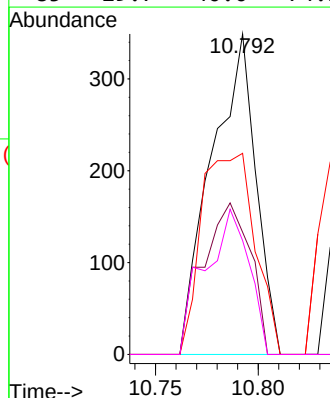
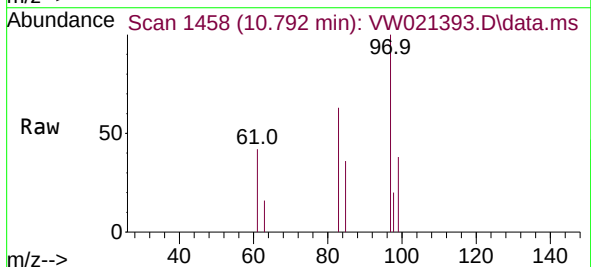
Ion Ratio Lower Upper

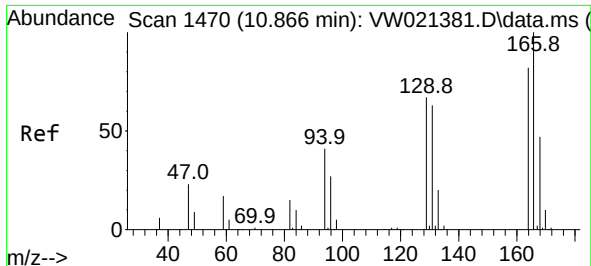
97 100

99 31.8 43.0 79.8#

83 52.4 62.6 116.3#

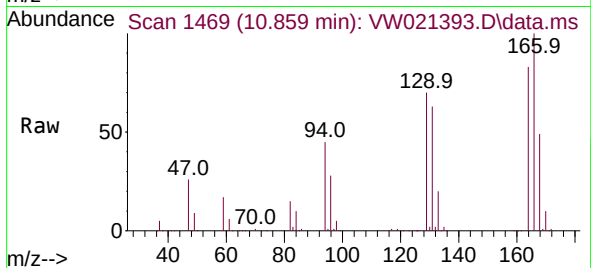
85 29.7 40.0 74.2#



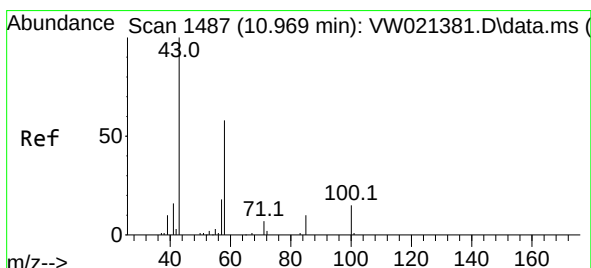
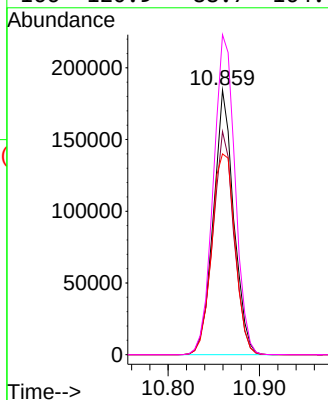
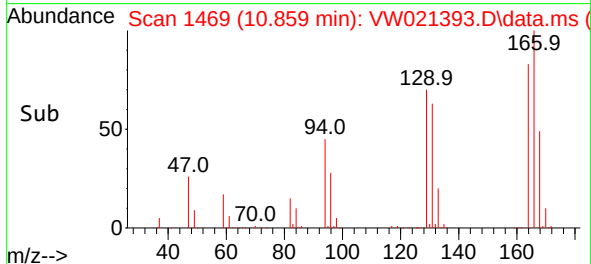


#46  
Tetrachloroethene  
Concen: 211.868 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW021393.D  
Acq: 15 Dec 2021 16:41

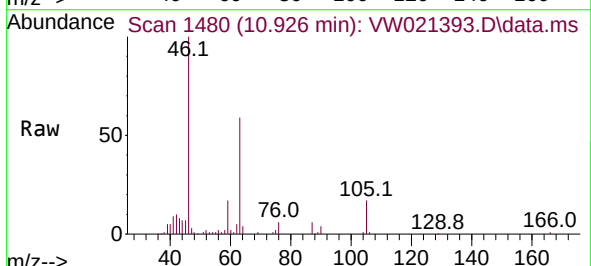
Instrument :  
MSVOA\_W  
ClientSampleId :



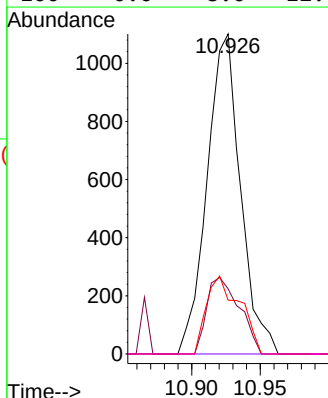
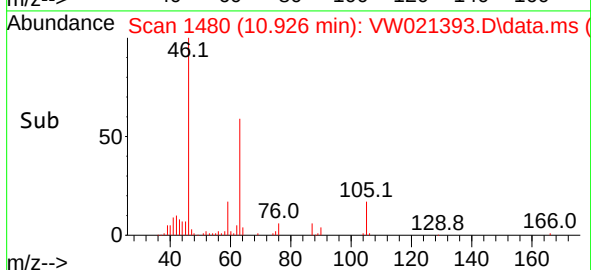
Tgt Ion:164 Resp: 285284  
Ion Ratio Lower Upper  
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131 75.9 59.7 110.9  
166 120.9 88.7 164.7



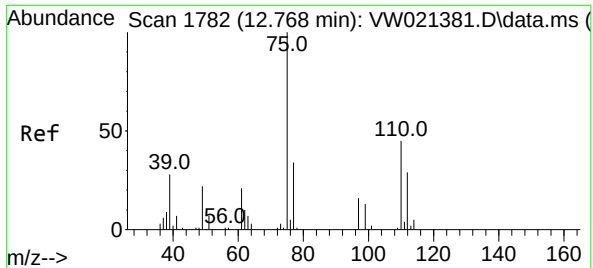
#48  
2-Hexanone  
Concen: 4.200 ug/L  
RT: 10.926 min Scan# 1480  
Delta R.T. -0.043 min  
Lab File: VW021393.D  
Acq: 15 Dec 2021 16:41



Tgt Ion: 43 Resp: 1869  
Ion Ratio Lower Upper  
43 100  
58 23.4 40.2 60.2#  
57 19.4 14.3 21.5  
100 0.0 8.0 12.0#







#61  
 1,2,3-Trichloropropane  
 Concen: 7.451 ug/L  
 RT: 13.554 min Scan# 1911  
 Delta R.T. 0.786 min  
 Lab File: VW021393.D  
 Acq: 15 Dec 2021 16:41

Instrument :  
 MSVOA\_W  
 ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 5516  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 37.9  | 25.8  | 38.8  |
| 110       | 3.4   | 29.0  | 43.4# |

