

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121721\  
 Data File : VW021424.D  
 Acq On : 17 Dec 2021 12:18  
 Operator : SY/VA  
 Sample : M5102-03  
 Misc : 5.55g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 17 16:08:08 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

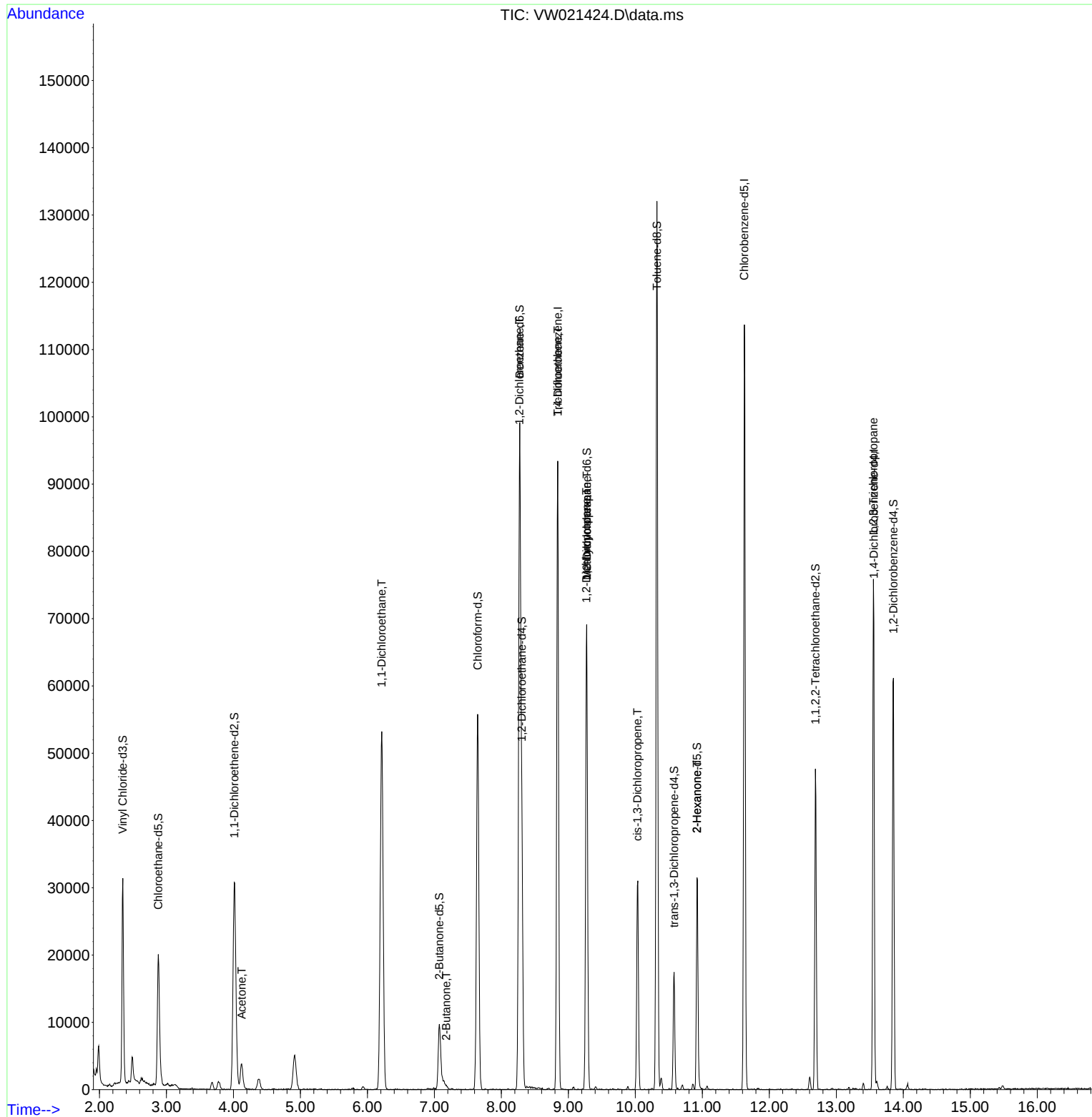
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 78553    | 25.000   | ug/L   | # 0.00    |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 63601    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 19974    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 29574    | 20.672   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.680%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 24322    | 25.717   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 102.880%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 29310    | 15.367   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 61.480%   |
| 21) 2-Butanone-d5             | 7.074  | 46    | 16728    | 82.949   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 165.900%# |
| 24) Chloroform-d              | 7.647  | 84    | 55647    | 25.420   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 30157    | 25.898   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.600%  |
| 32) Benzene-d6                | 8.275  | 84    | 98390    | 28.223   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 112.880%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 29064    | 31.086   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 124.360%# |
| 41) Toluene-d8                | 10.323 | 98    | 85864    | 24.106   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 96.440%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 9296     | 21.594   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 86.360%   |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 10341    | 74.797   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 149.600%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 21129    | 26.289   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 105.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 16306    | 21.064   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.240%   |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 13) Acetone                   | 4.123  | 43    | 6749     | 37.331   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 72804    | 44.007   | ug/L   | 95        |
| 22) 2-Butanone                | 7.177  | 43    | 991      | 4.197    | ug/L   | 76        |
| 27) 1,2-Dichloroethane        | 8.268  | 62    | 662      | 0.544    | ug/L # | 77        |
| 34) Trichloroethene           | 8.841  | 95    | 2349     | 2.415    | ug/L # | 5         |
| 35) Methylcyclohexane         | 9.274  | 83    | 7943     | 4.951    | ug/L # | 14        |
| 37) 1,2-Dichloropropane       | 9.268  | 63    | 3791     | 4.905    | ug/L # | 88        |
| 39) cis-1,3-Dichloropropene   | 10.030 | 75    | 925      | 0.759    | ug/L   | 86        |
| 48) 2-Hexanone                | 10.920 | 43    | 1399     | 4.581    | ug/L # | 67        |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 2368     | 8.146    | ug/L # | 64        |
| -----                         |        |       |          |          |        |           |

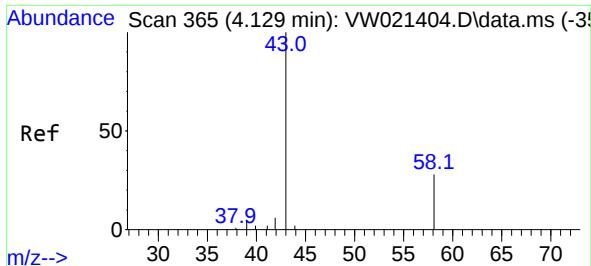
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M5102-03  
Misc : 5.55g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 17 16:08:08 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Dec 17 00:58:26 2021  
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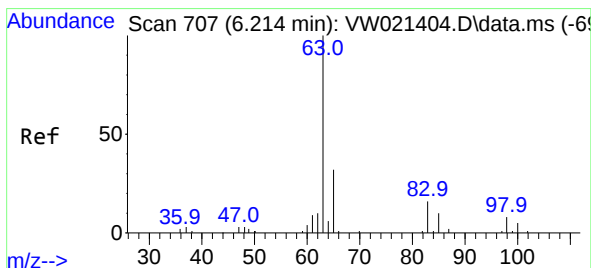
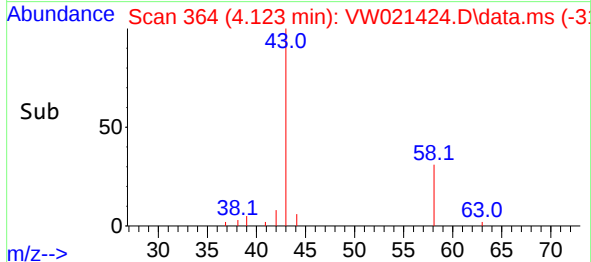
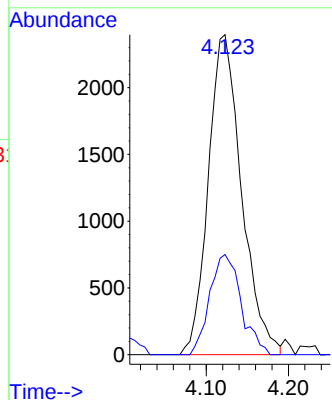
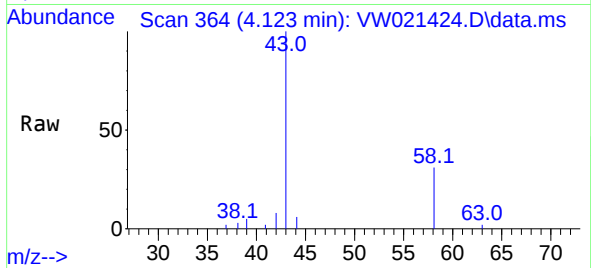




#13  
Acetone  
Concen: 37.331 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. -0.006 min  
Lab File: VW021424.D  
Acq: 17 Dec 2021 12:18

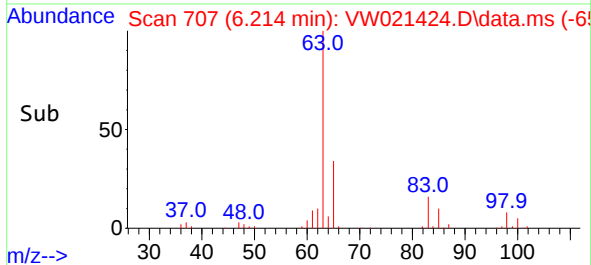
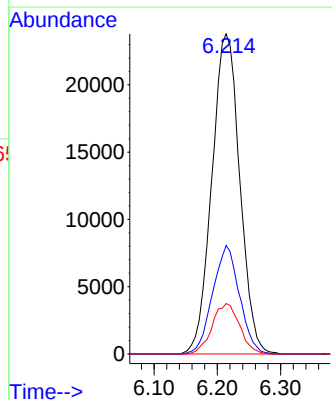
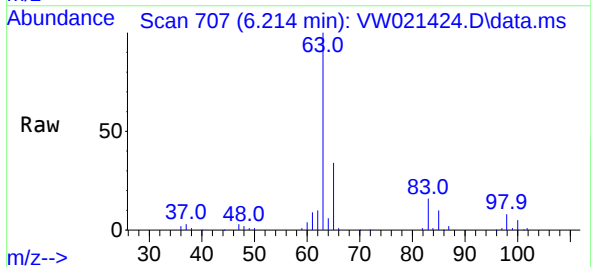
Instrument :  
MSVOA\_W  
ClientSampleId :

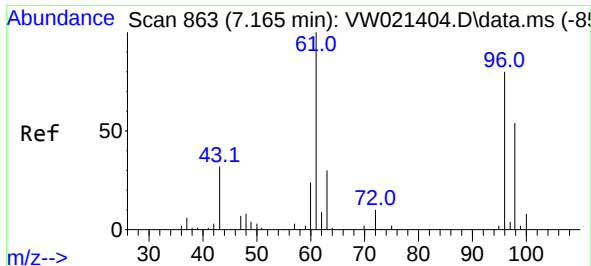
Tgt Ion: 43 Resp: 6749  
Ion Ratio Lower Upper  
43 100  
58 26.8 0.0 52.8



#19  
1,1-Dichloroethane  
Concen: 44.007 ug/L  
RT: 6.214 min Scan# 707  
Delta R.T. -0.000 min  
Lab File: VW021424.D  
Acq: 17 Dec 2021 12:18

Tgt Ion: 63 Resp: 72804  
Ion Ratio Lower Upper  
63 100  
65 33.9 22.1 41.1  
83 15.7 9.2 17.2

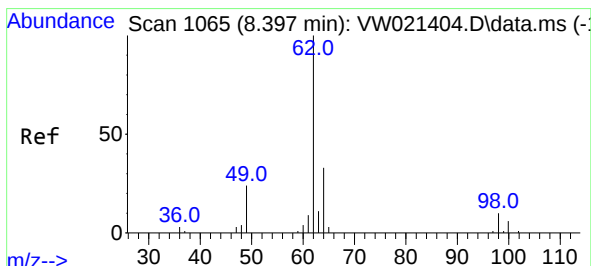
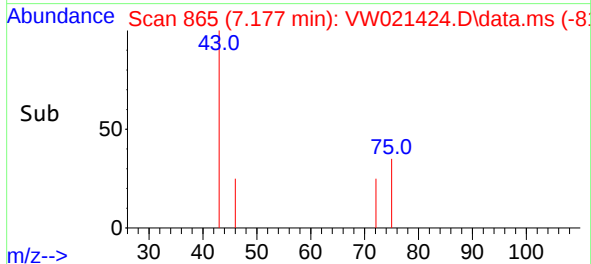
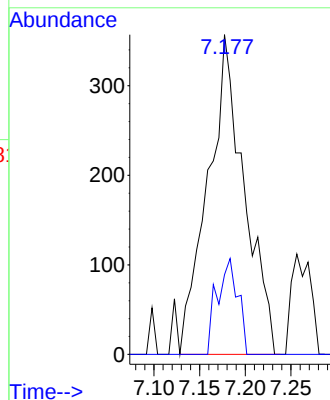
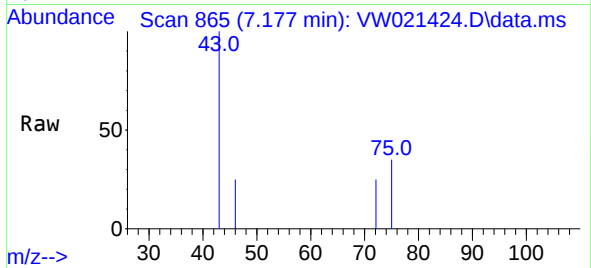




#22  
2-Butanone  
Concen: 4.197 ug/L  
RT: 7.177 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VW021424.D  
Acq: 17 Dec 2021 12:18

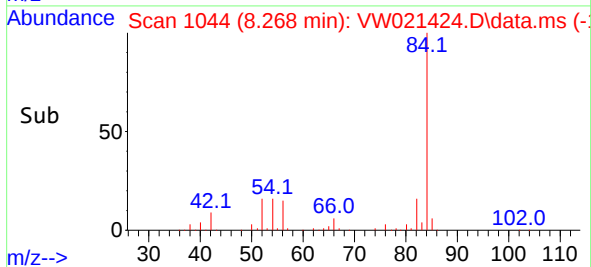
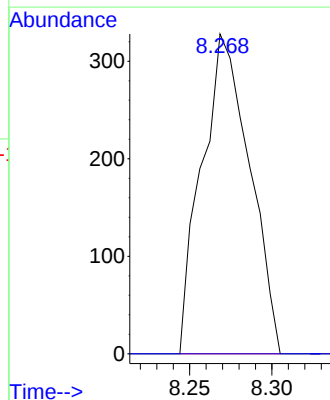
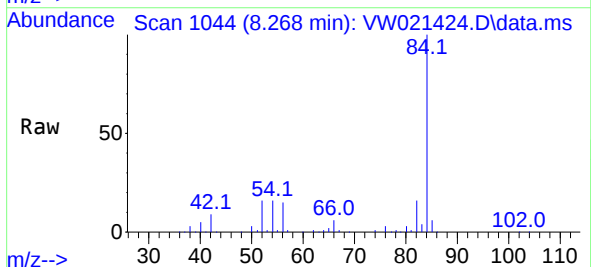
Instrument :  
MSVOA\_W  
ClientSampleId :

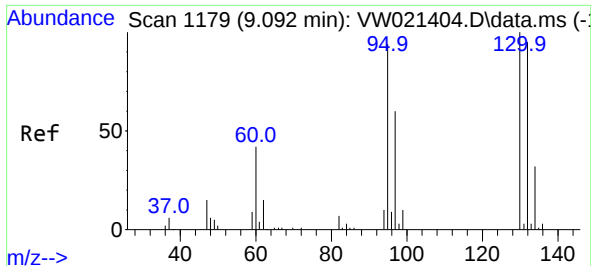
Tgt Ion: 43 Resp: 991  
Ion Ratio Lower Upper  
43 100  
72 12.0 11.8 35.4



#27  
1,2-Dichloroethane  
Concen: 0.544 ug/L  
RT: 8.268 min Scan# 1044  
Delta R.T. -0.128 min  
Lab File: VW021424.D  
Acq: 17 Dec 2021 12:18

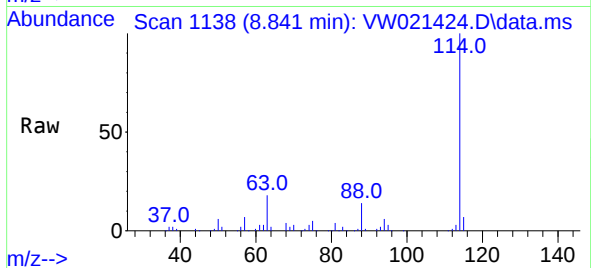
Tgt Ion: 62 Resp: 662  
Ion Ratio Lower Upper  
62 100  
98 0.0 6.5 9.7#



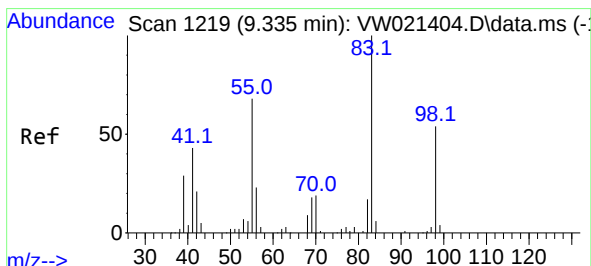
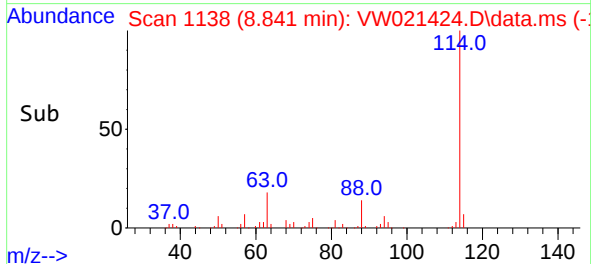
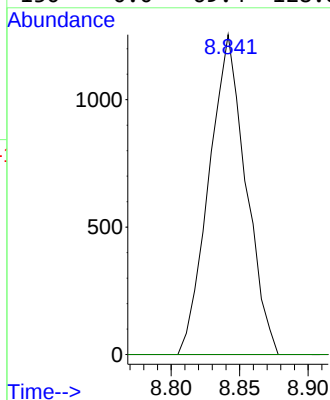


#34  
Trichloroethene  
Concen: 2.415 ug/L  
RT: 8.841 min Scan# 1179  
Delta R.T. -0.250 min  
Lab File: VW021424.D  
Acq: 17 Dec 2021 12:18

Instrument :  
MSVOA\_W  
ClientSampleId :

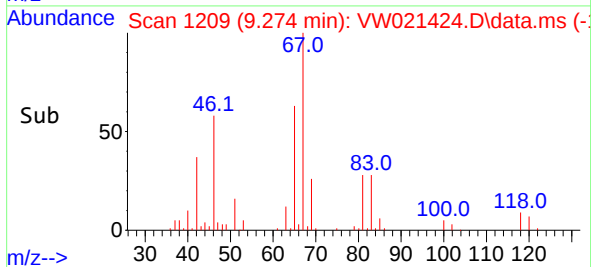
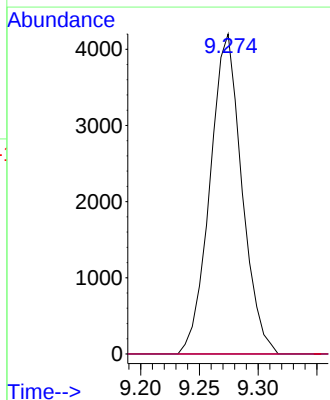
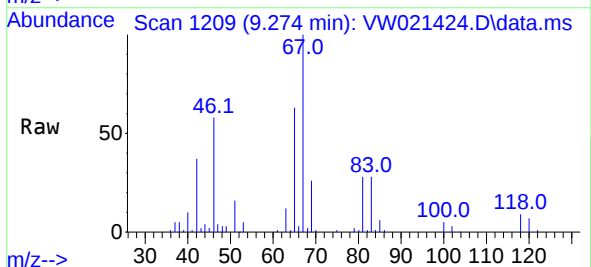


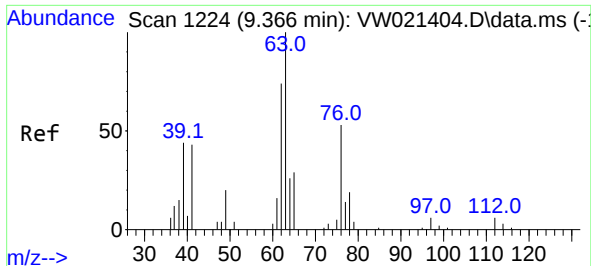
Tgt Ion: 95 Resp: 2349  
Ion Ratio Lower Upper  
95 100  
97 0.0 47.0 87.2#  
132 0.0 65.5 121.6#  
130 0.0 69.4 128.8#



#35  
Methylcyclohexane  
Concen: 4.951 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW021424.D  
Acq: 17 Dec 2021 12:18

Tgt Ion: 83 Resp: 7943  
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: 4.905 ug/L

RT: 9.268 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021424.D

Acq: 17 Dec 2021 12:18

Instrument :

MSVOA\_W

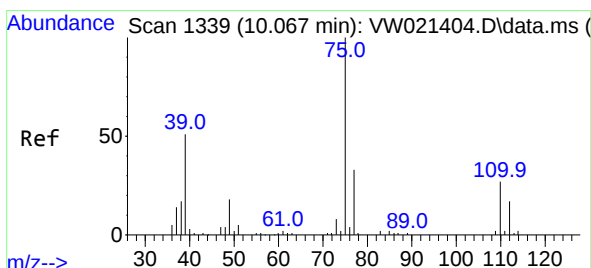
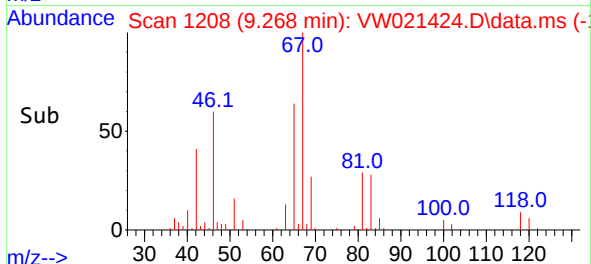
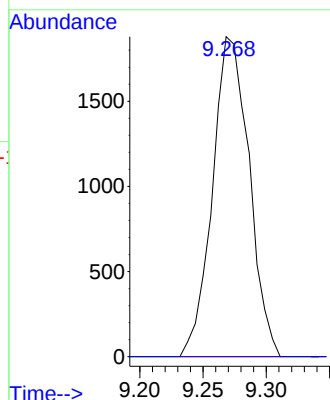
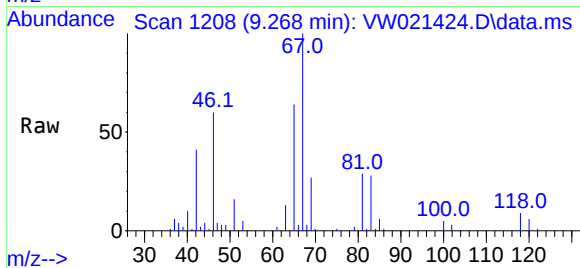
ClientSampleId :

Tgt Ion: 63 Resp: 3791

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.759 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.037 min

Lab File: VW021424.D

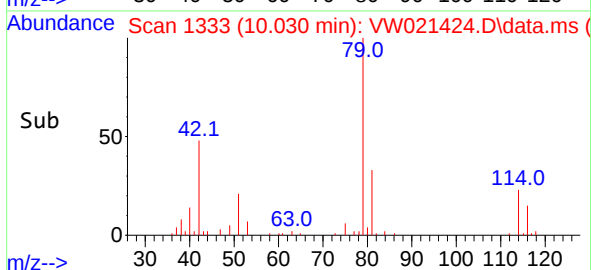
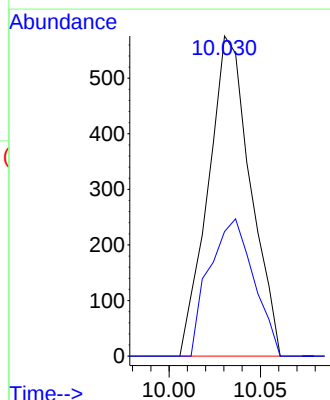
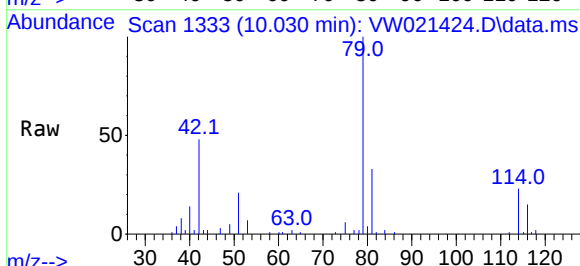
Acq: 17 Dec 2021 12:18

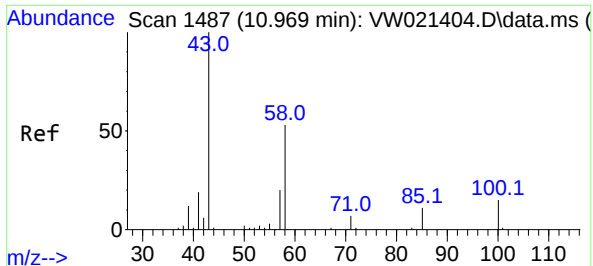
Tgt Ion: 75 Resp: 925

Ion Ratio Lower Upper

75 100

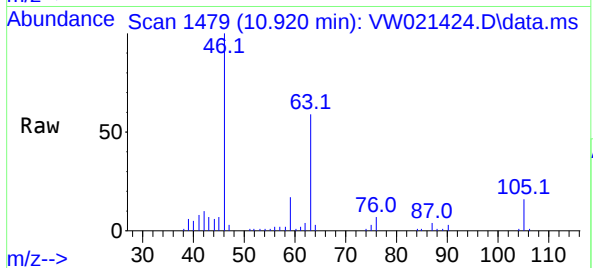
77 38.9 21.8 40.6





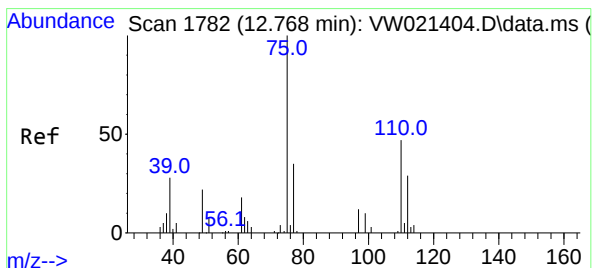
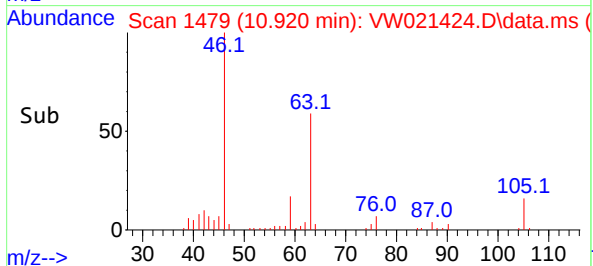
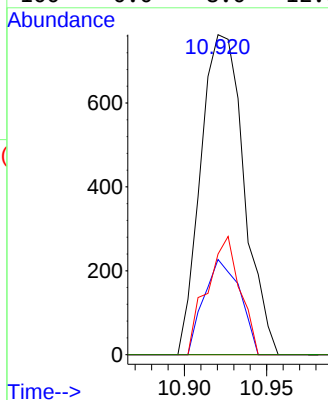
#48  
2-Hexanone  
Concen: 4.581 ug/L  
RT: 10.920 min Scan# 1487  
Delta R.T. -0.049 min  
Lab File: VW021424.D  
Acq: 17 Dec 2021 12:18

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 43 Resp: 1399

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 24.7  | 40.2  | 60.2# |
| 57  | 28.1  | 14.3  | 21.5# |
| 100 | 0.0   | 8.0   | 12.0# |



#61  
1,2,3-Trichloropropane  
Concen: 8.146 ug/L  
RT: 13.554 min Scan# 1911  
Delta R.T. 0.786 min  
Lab File: VW021424.D  
Acq: 17 Dec 2021 12:18

Tgt Ion: 75 Resp: 2368

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 36.1  | 25.8  | 38.8  |
| 110 | 0.0   | 29.0  | 43.4# |

