

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082021\  
 Data File : VW019824.D  
 Acq On : 20 Aug 2021 11:21  
 Operator : SY/VA  
 Sample : M3472-13RE  
 Misc : 6.59g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 20 23:34:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 20 23:32:55 2021  
 Response via : Initial Calibration

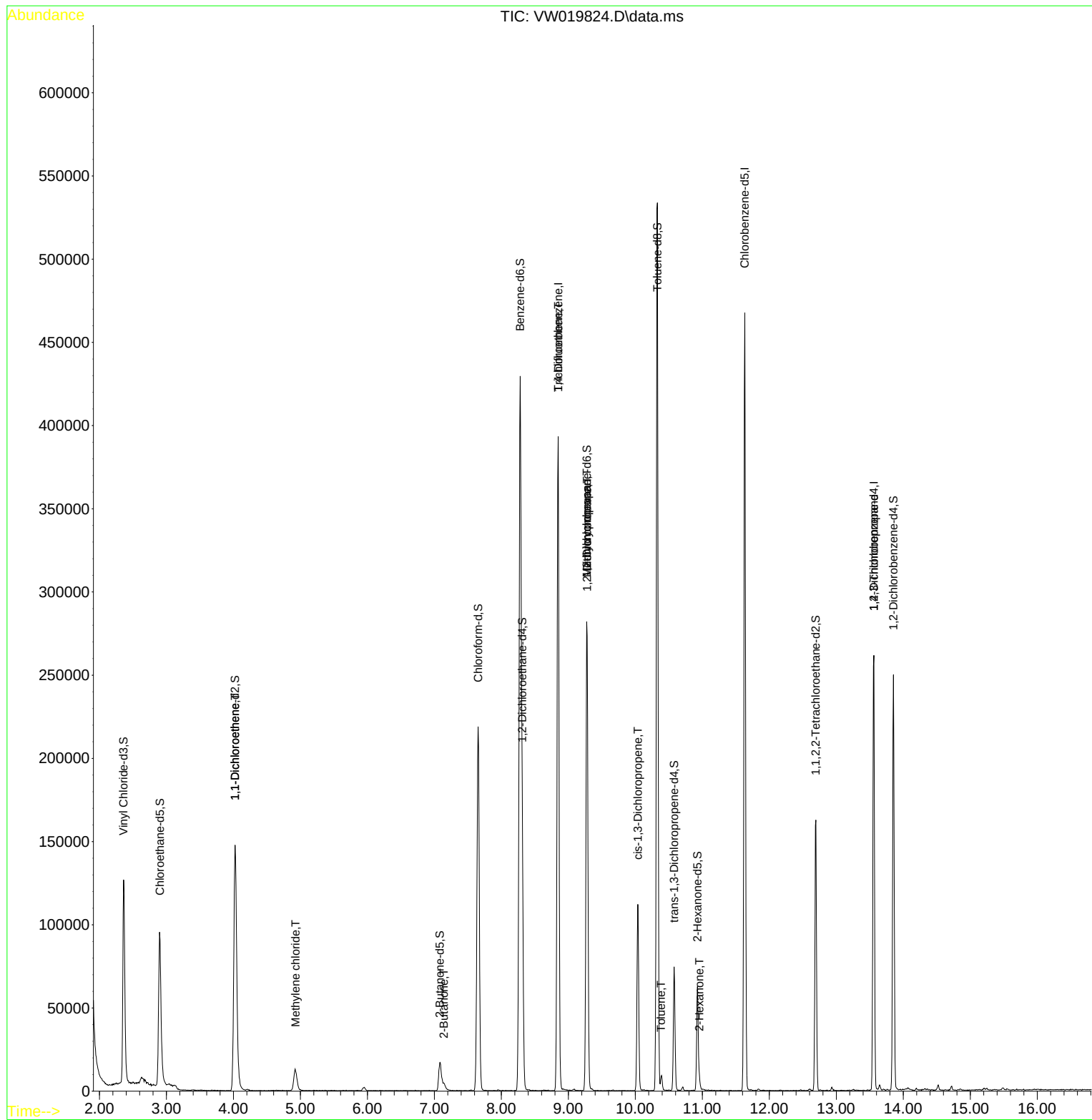
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 319022   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 254034   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 67882    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 150418   | 30.431   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 121.720% |
| 7) Chloroethane-d5            | 2.903  | 69    | 125690   | 28.970   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 115.880% |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 160136   | 18.670   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 74.680%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 28367    | 28.254   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 56.500%  |
| 24) Chloroform-d              | 7.653  | 84    | 220864   | 25.174   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 100.680% |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 112865   | 23.871   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.480%  |
| 32) Benzene-d6                | 8.281  | 84    | 430922   | 29.751   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 119.000% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 131501   | 29.980   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 119.920% |
| 41) Toluene-d8                | 10.329 | 98    | 346562   | 26.109   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 104.440% |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 40103    | 22.131   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 88.520%  |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 19389    | 31.731   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 63.460%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 80003    | 22.410   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 89.640%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 61709    | 26.502   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 106.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 4.025  | 96    | 1398     | 0.324    | ug/L # | 1        |
| 16) Methylene chloride        | 4.928  | 84    | 10329    | 1.886    | ug/L   | 93       |
| 22) 2-Butanone                | 7.141  | 43    | 5139     | 4.627    | ug/L # | 45       |
| 34) Trichloroethene           | 8.848  | 95    | 10056    | 2.481    | ug/L # | 5        |
| 35) Methylcyclohexane         | 9.274  | 83    | 32319    | 4.649    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 9.280  | 63    | 15248    | 3.949    | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 10.036 | 75    | 2999     | 0.527    | ug/L # | 73       |
| 42) Toluene                   | 10.384 | 91    | 5860     | 0.355    | ug/L   | 98       |
| 48) 2-Hexanone                | 10.957 | 43    | 1943     | 1.359    | ug/L # | 40       |
| 61) 1,2,3-Trichloropropane    | 13.560 | 75    | 8720     | 6.552    | ug/L # | 64       |
| -----                         |        |       |          |          |        |          |

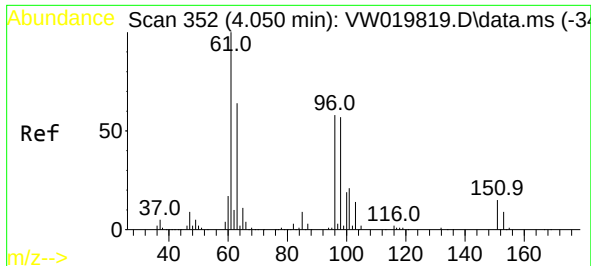
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Fri Aug 20 23:32:55 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.324 ug/L

RT: 4.025 min Scan# 348

Delta R.T. -0.024 min

Lab File: VW019824.D

Acq: 20 Aug 2021 11:21

Tgt Ion: 96 Resp: 1398

Ion Ratio Lower Upper

96 100

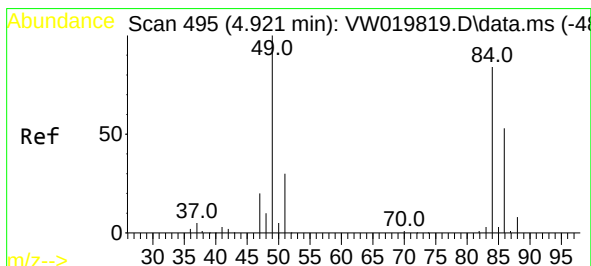
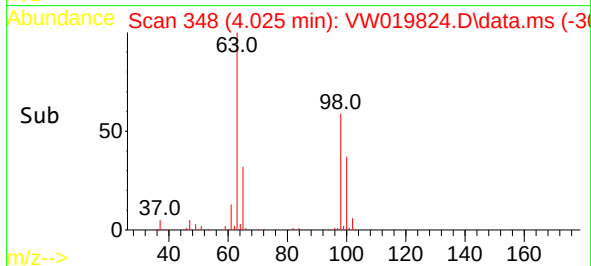
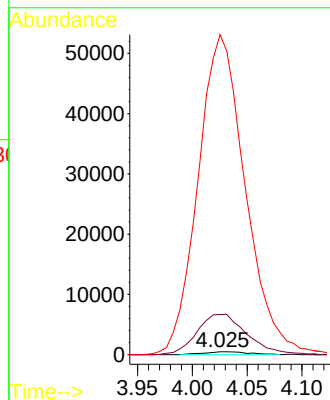
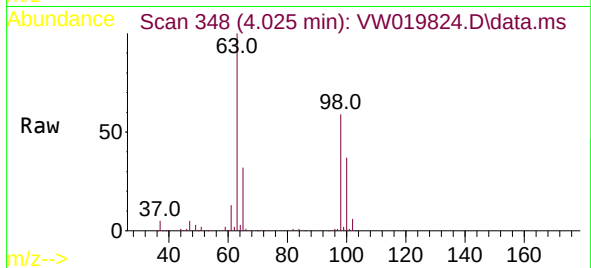
61 1368.9 118.1 219.3#

63 10926.7 83.7 155.5#

Instrument :

MSVOA\_W

ClientSampled :



#16

Methylene chloride

Concen: 1.886 ug/L

RT: 4.928 min Scan# 496

Delta R.T. 0.006 min

Lab File: VW019824.D

Acq: 20 Aug 2021 11:21

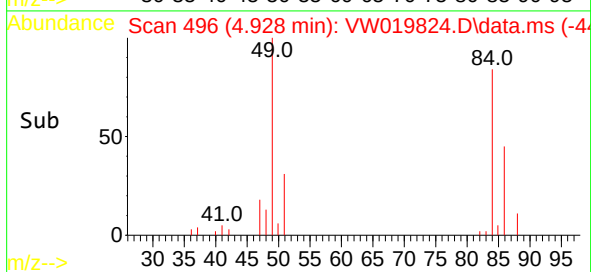
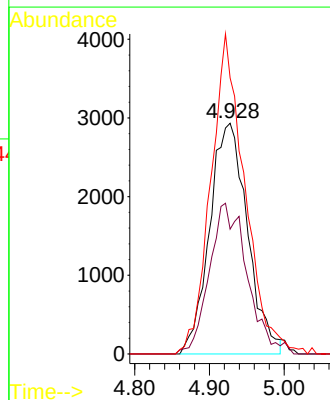
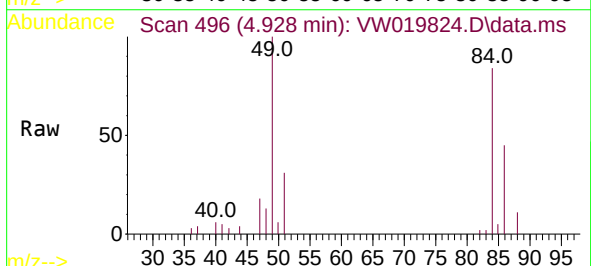
Tgt Ion: 84 Resp: 10329

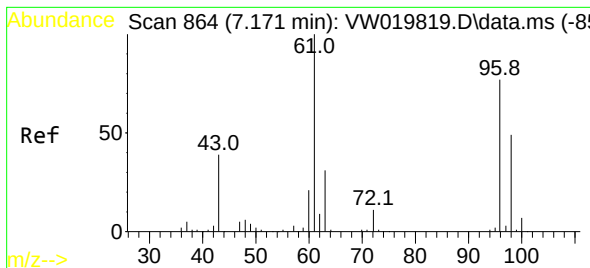
Ion Ratio Lower Upper

84 100

86 54.1 45.3 84.1

49 119.6 86.6 160.8





#22

2-Butanone

Concen: 4.627 ug/L

RT: 7.141 min Scan# 859

Delta R.T. -0.030 min

Lab File: VW019824.D

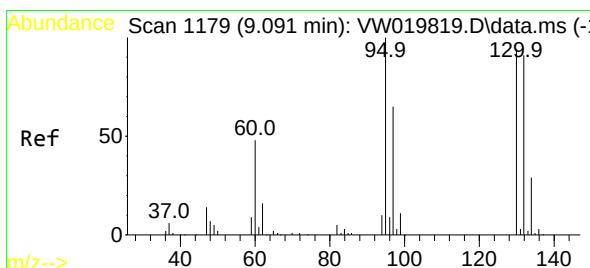
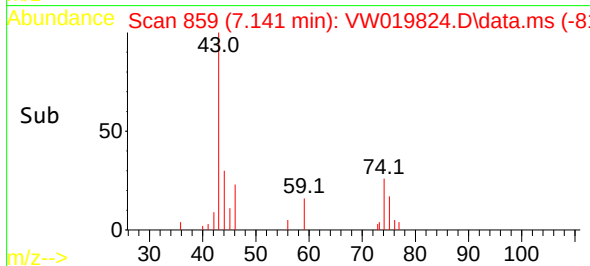
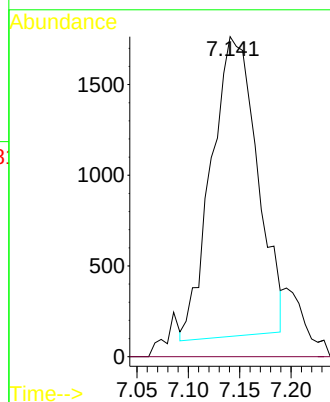
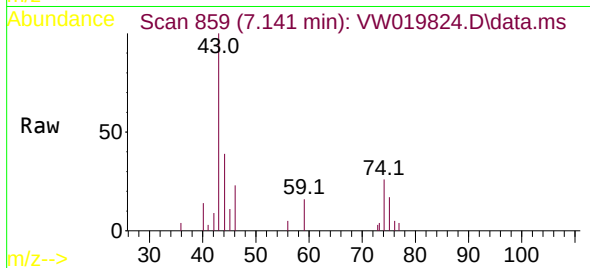
Acq: 20 Aug 2021 11:21

Tgt Ion: 43 Resp: 5139

Ion Ratio Lower Upper

43 100

72 0.0 14.9 44.7#



#34

Trichloroethene

Concen: 2.481 ug/L

RT: 8.848 min Scan# 1139

Delta R.T. -0.244 min

Lab File: VW019824.D

Acq: 20 Aug 2021 11:21

Tgt Ion: 95 Resp: 10056

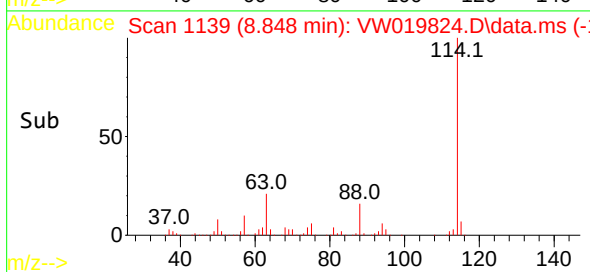
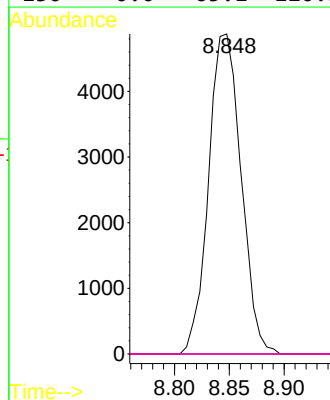
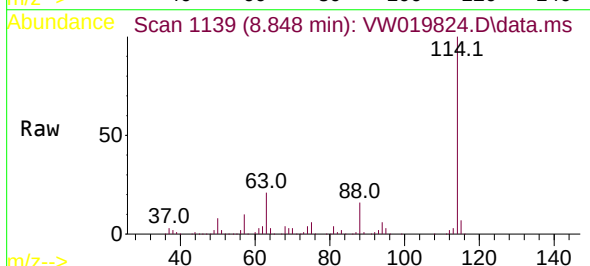
Ion Ratio Lower Upper

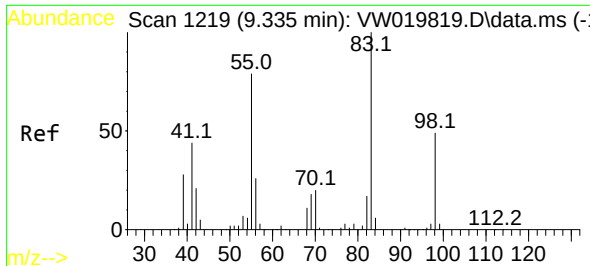
95 100

97 0.0 47.3 87.8#

132 0.0 71.0 131.8#

130 0.0 65.1 120.9#

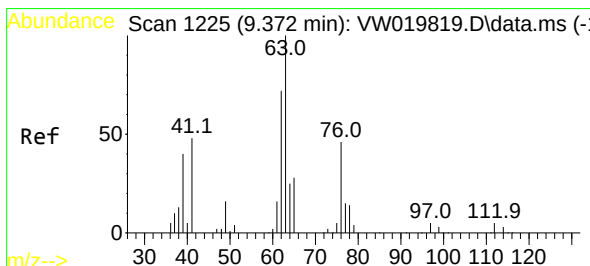
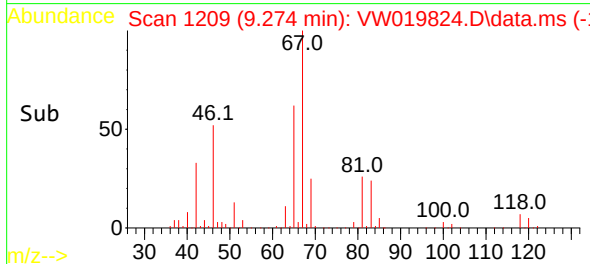
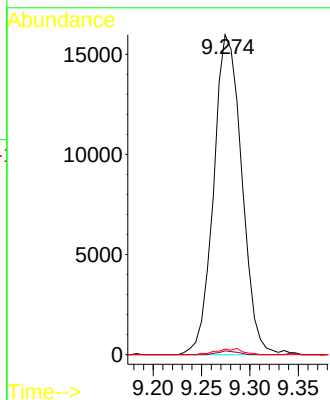
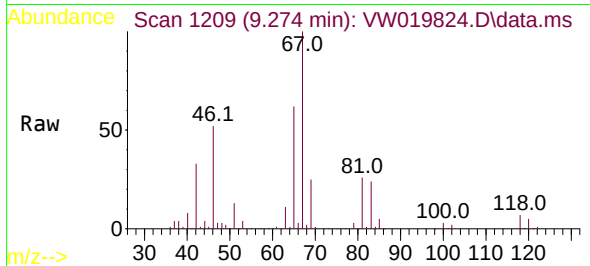




#35  
Methylcyclohexane  
Concen: 4.649 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW019824.D  
Acq: 20 Aug 2021 11:21

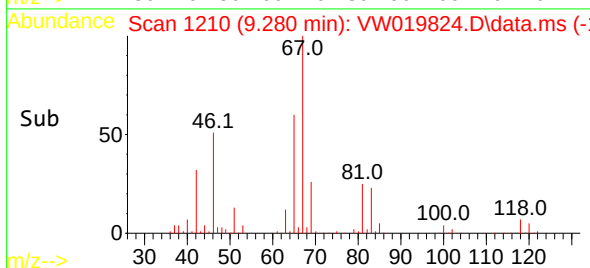
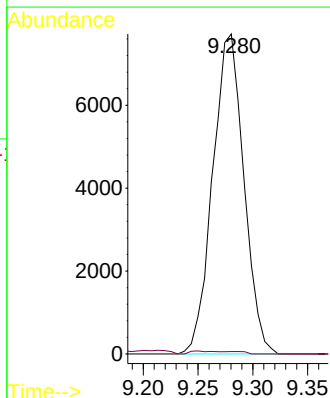
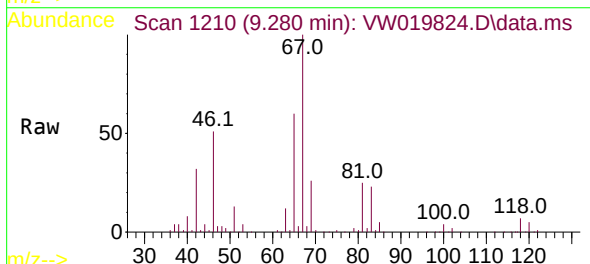
Instrument :  
MSVOA\_W  
ClientSampled :

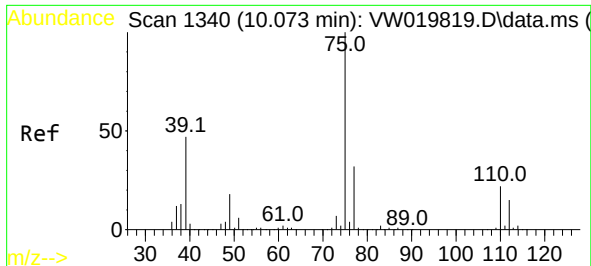
Tgt Ion: 83 Resp: 32319  
Ion Ratio Lower Upper  
83 100  
55 0.8 58.9 88.3#  
98 1.8 40.1 60.1#



#37  
1,2-Dichloropropane  
Concen: 3.949 ug/L  
RT: 9.280 min Scan# 1210  
Delta R.T. -0.091 min  
Lab File: VW019824.D  
Acq: 20 Aug 2021 11:21

Tgt Ion: 63 Resp: 15248  
Ion Ratio Lower Upper  
63 100  
112 0.5 3.9 5.9#

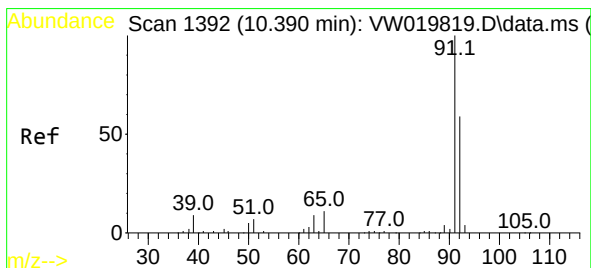
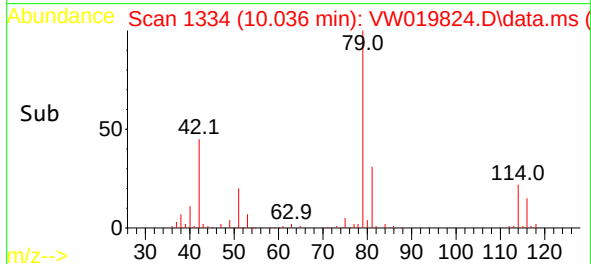
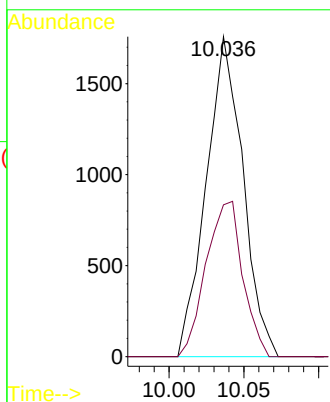
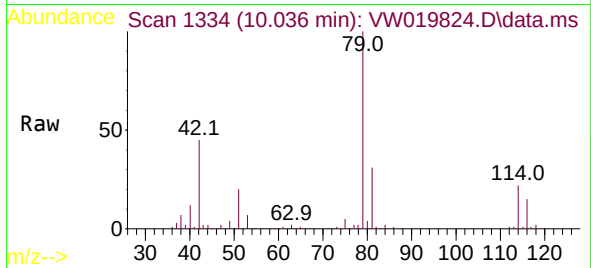




#39  
cis-1,3-Dichloropropene  
Concen: 0.527 ug/L  
RT: 10.036 min Scan# 1334  
Delta R.T. -0.037 min  
Lab File: VW019824.D  
Acq: 20 Aug 2021 11:21

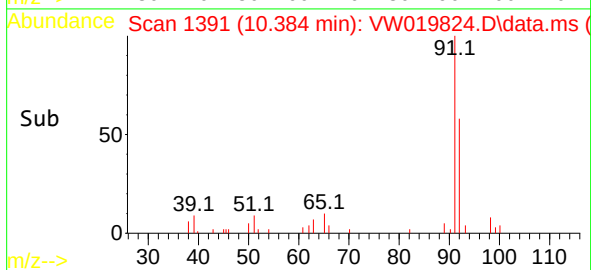
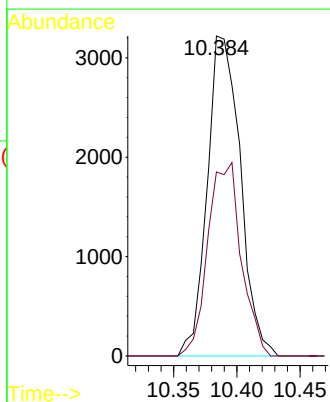
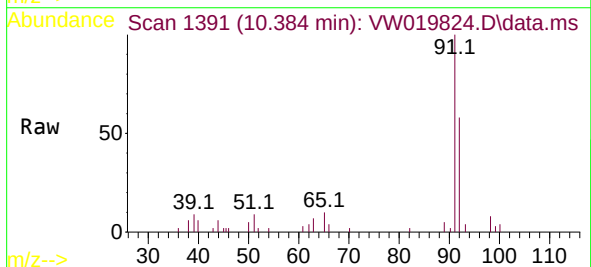
Instrument :  
MSVOA\_W  
ClientSampled :

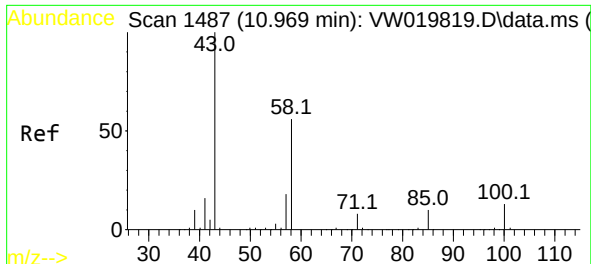
Tgt Ion: 75 Resp: 2999  
Ion Ratio Lower Upper  
75 100  
77 47.4 22.6 42.0#



#42  
Toluene  
Concen: 0.355 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW019824.D  
Acq: 20 Aug 2021 11:21

Tgt Ion: 91 Resp: 5860  
Ion Ratio Lower Upper  
91 100  
92 57.5 39.5 73.3

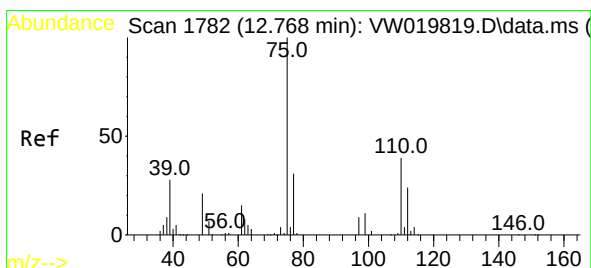
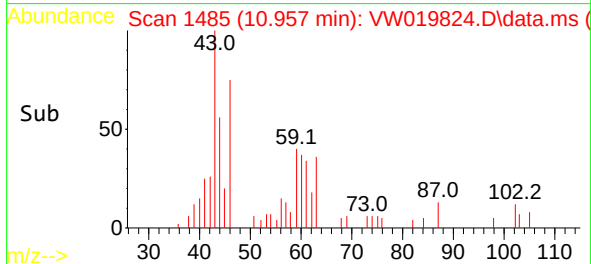
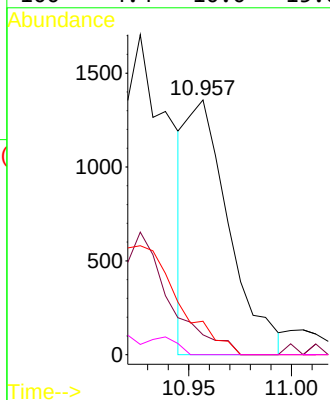
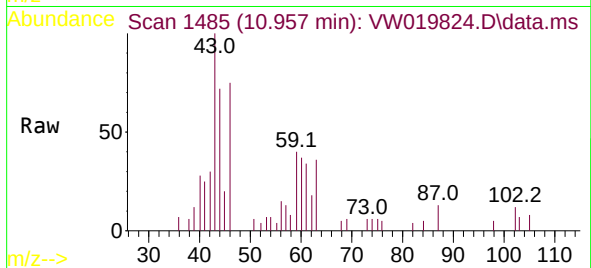




#48  
2-Hexanone  
Concen: 1.359 ug/L  
RT: 10.957 min Scan# 1485  
Delta R.T. -0.012 min  
Lab File: VW019824.D  
Acq: 20 Aug 2021 11:21

Instrument :  
MSVOA\_W  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1943  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.0   | 42.7  | 64.1# |
| 57       | 0.0   | 15.8  | 23.8# |
| 100      | 4.4   | 10.0  | 15.0# |



#61  
1,2,3-Trichloropropane  
Concen: 6.552 ug/L  
RT: 13.560 min Scan# 1912  
Delta R.T. 0.793 min  
Lab File: VW019824.D  
Acq: 20 Aug 2021 11:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8720  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 33.2  | 25.3  | 37.9  |
| 110      | 2.0   | 32.6  | 48.8# |

