

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122521\  
 Data File : VW021642.D  
 Acq On : 25 Dec 2021 13:44  
 Operator : SY/VA  
 Sample : M5174-06RE  
 Misc : 5.59g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 27 00:40:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 24 01:43:02 2021  
 Response via : Initial Calibration

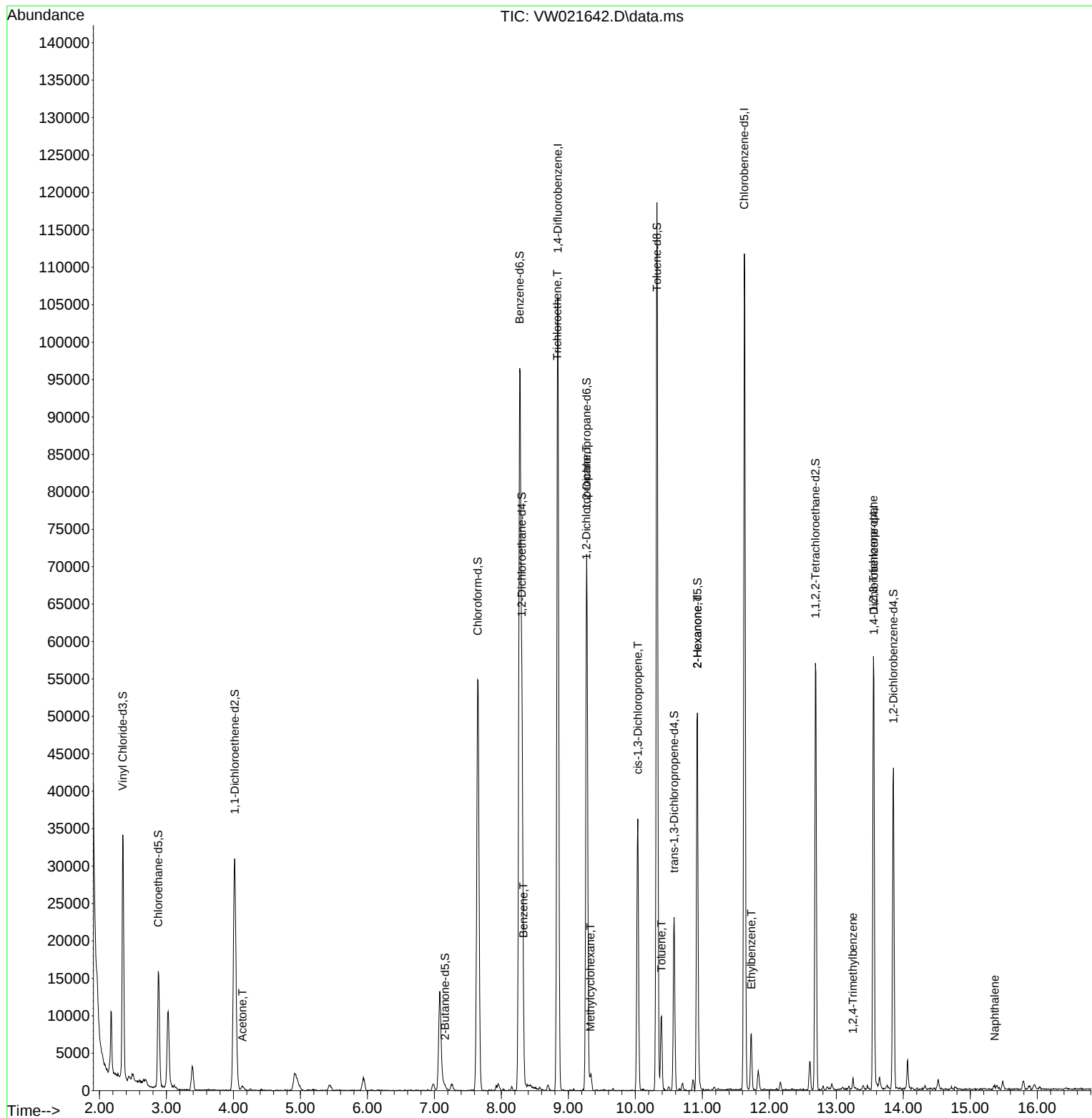
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 90939    | 25.000   | ug/L  | # 0.00    |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 62924    | 25.000   | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 16105    | 25.000   | ug/L  | 0.00      |
|                               |        |       |          |          |       |           |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 24081    | 14.540   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 58.160%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 17317    | 15.816   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 63.280%   |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 28635    | 12.968   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 51.880%   |
| 21) 2-Butanone-d5             | 7.159  | 46    | 106      | 0.454    | ug/L  | 0.06      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 0.900%#   |
| 24) Chloroform-d              | 7.647  | 84    | 55341    | 21.837   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 87.360%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 36553    | 27.115   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 108.480%  |
| 32) Benzene-d6                | 8.275  | 84    | 98628    | 28.595   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 114.400%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 29877    | 32.299   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 129.200%# |
| 41) Toluene-d8                | 10.323 | 98    | 76423    | 21.686   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 86.760%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 12081    | 28.365   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 113.440%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 17112    | 125.103  | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 250.200%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 25813    | 32.462   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 129.840%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 11459    | 18.359   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 73.440%#  |
|                               |        |       |          |          |       |           |
| Target Compounds              |        |       |          |          |       | Qvalue    |
| 13) Acetone                   | 4.135  | 43    | 1236     | 5.906    | ug/L  | 100       |
| 33) Benzene                   | 8.329  | 78    | 3048     | 0.889    | ug/L  | 100       |
| 34) Trichloroethene           | 8.835  | 95    | 2773     | 2.882    | ug/L  | # 5       |
| 35) Methylcyclohexane         | 9.329  | 83    | 914      | 0.576    | ug/L  | 87        |
| 37) 1,2-Dichloropropane       | 9.268  | 63    | 3909     | 5.113    | ug/L  | # 88      |
| 39) cis-1,3-Dichloropropene   | 10.036 | 75    | 1065     | 0.884    | ug/L  | 83        |
| 42) Toluene                   | 10.390 | 91    | 7729     | 1.928    | ug/L  | 89        |
| 48) 2-Hexanone                | 10.927 | 43    | 2212     | 7.322    | ug/L  | # 69      |
| 52) Ethylbenzene              | 11.731 | 91    | 5485     | 1.197    | ug/L  | 98        |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 1705     | 7.274    | ug/L  | # 60      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 1143     | 0.622    | ug/L  | 87        |
| 71) Naphthalene               | 15.365 | 128   | 704      | 0.698    | ug/L  | # 80      |
| -----                         |        |       |          |          |       |           |

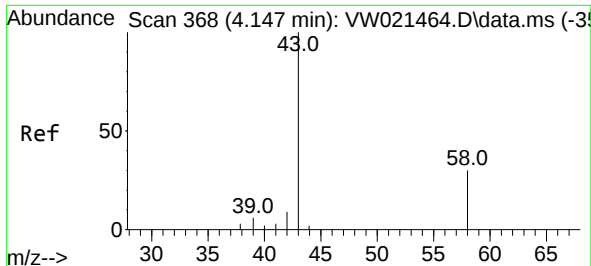
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : SY/VA  
Sample : M5174-06RE  
Misc : 5.59g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

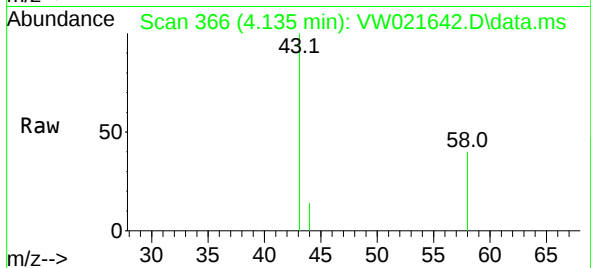
Quant Time: Dec 27 00:40:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Dec 24 01:43:02 2021  
Response via : Initial Calibration



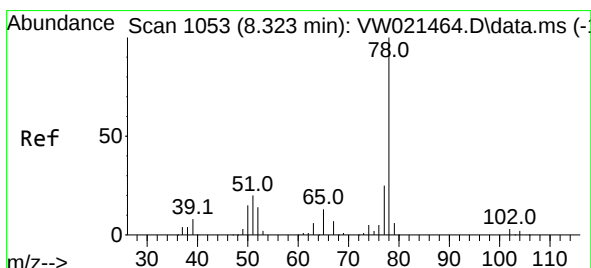
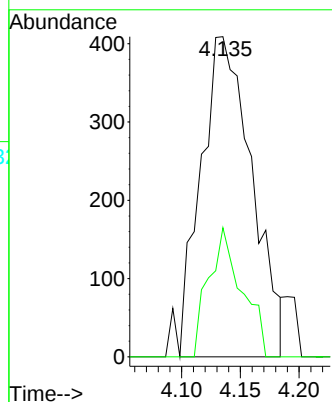
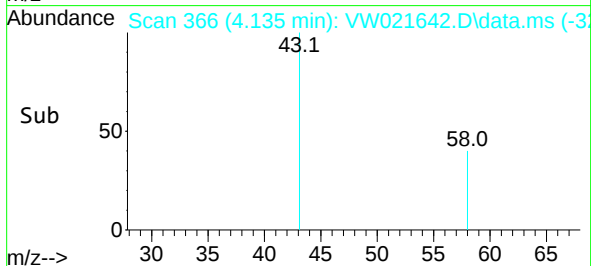


#13  
Acetone  
Concen: 5.906 ug/L  
RT: 4.135 min Scan# 30  
Delta R.T. -0.024 min  
Lab File: VW021642.D  
Acq: 25 Dec 2021 13:44

Instrument :  
MSVOA\_W  
ClientSampleId :

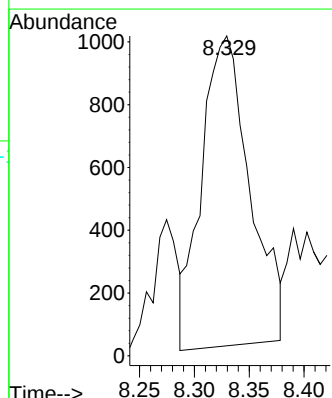
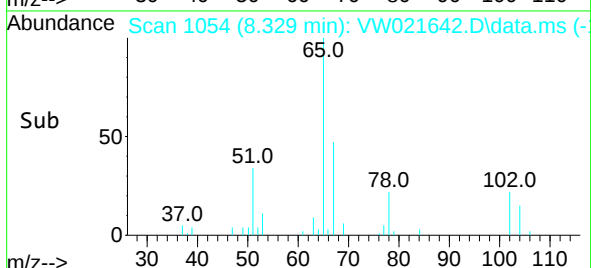
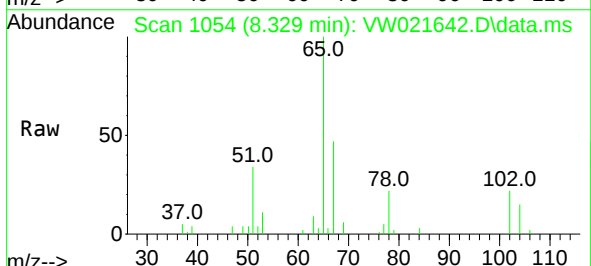


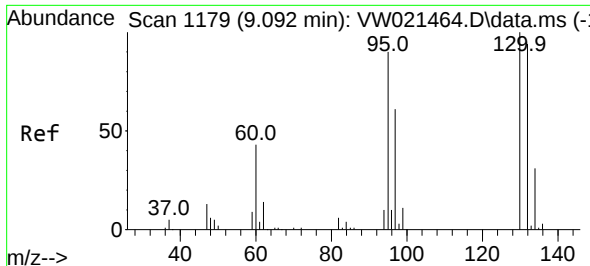
Tgt Ion: 43 Resp: 1236  
Ion Ratio Lower Upper  
43 100  
58 26.3 0.0 52.8



#33  
Benzene  
Concen: 0.889 ug/L  
RT: 8.329 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VW021642.D  
Acq: 25 Dec 2021 13:44

Tgt Ion: 78 Resp: 3048





#34

Trichloroethene

Concen: 2.882 ug/L

RT: 8.835 min Scan# 1179

Delta R.T. -0.256 min

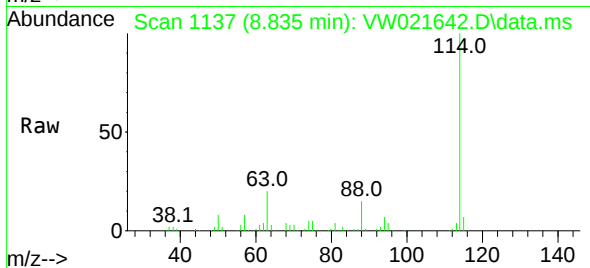
Lab File: VW021642.D

Acq: 25 Dec 2021 13:44

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 2773

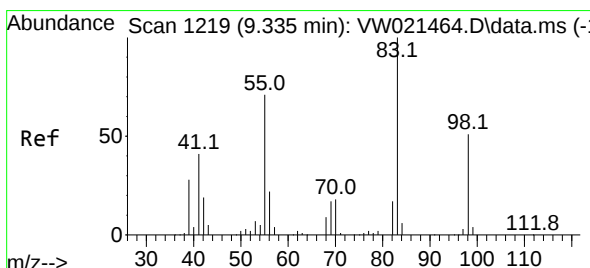
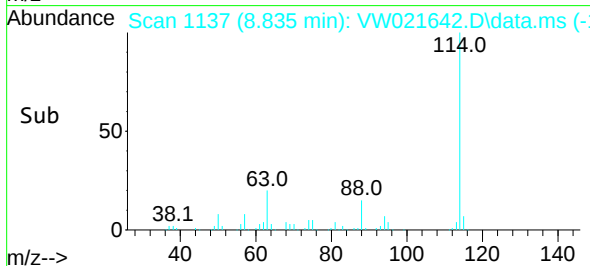
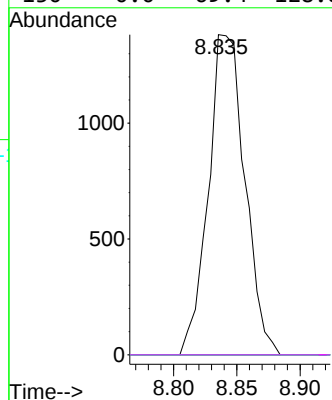
Ion Ratio Lower Upper

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: 0.576 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VW021642.D

Acq: 25 Dec 2021 13:44

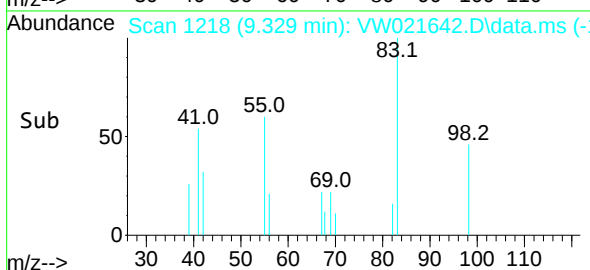
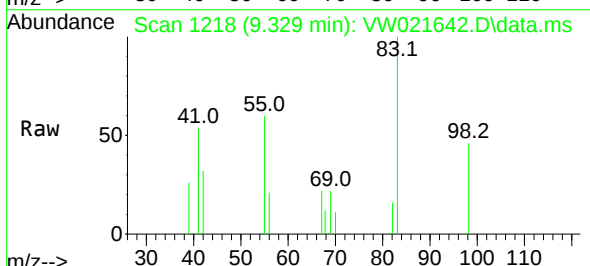
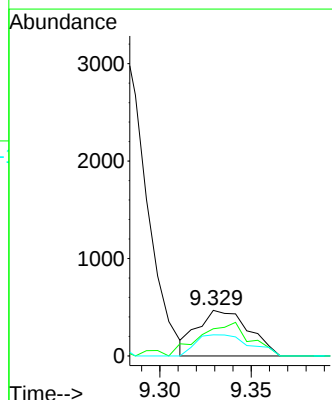
Tgt Ion: 83 Resp: 914

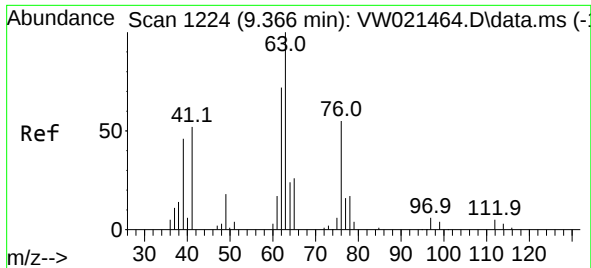
Ion Ratio Lower Upper

83 100

55 70.9 70.8 106.2

98 45.0 37.7 56.5





#37

1,2-Dichloropropane

Concen: 5.113 ug/L

RT: 9.268 min Scan# 11

Delta R.T. -0.104 min

Lab File: VW021642.D

Acq: 25 Dec 2021 13:44

Instrument :

MSVOA\_W

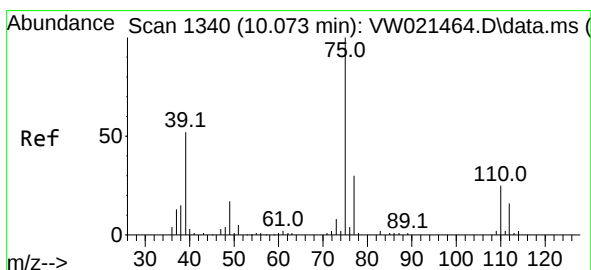
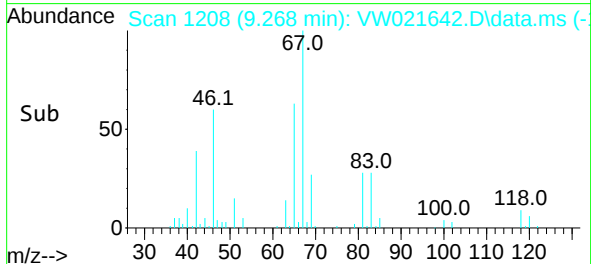
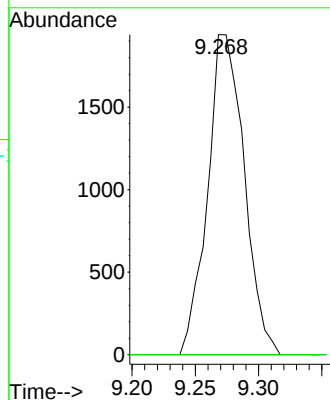
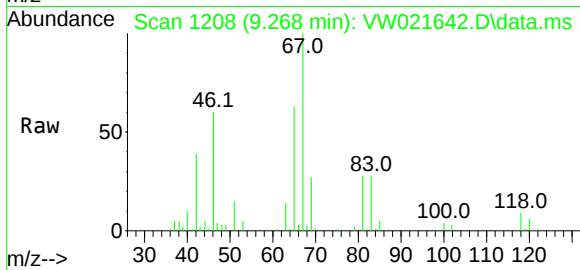
ClientSampleId :

Tgt Ion: 63 Resp: 3909

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.884 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021642.D

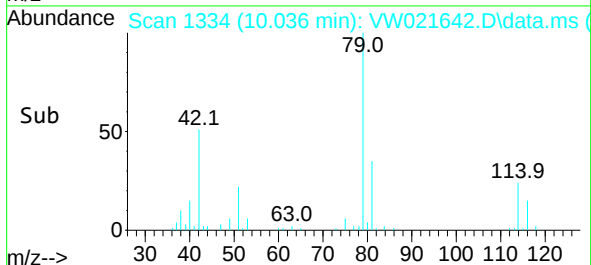
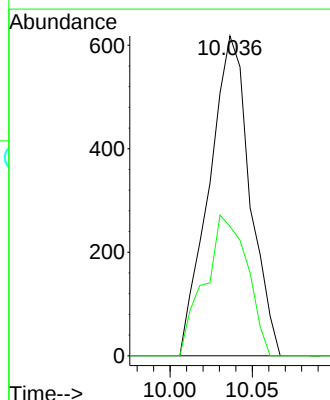
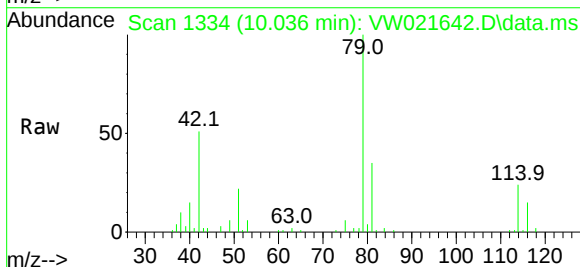
Acq: 25 Dec 2021 13:44

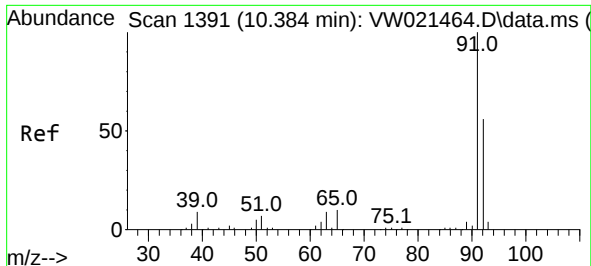
Tgt Ion: 75 Resp: 1065

Ion Ratio Lower Upper

75 100

77 40.5 21.8 40.6

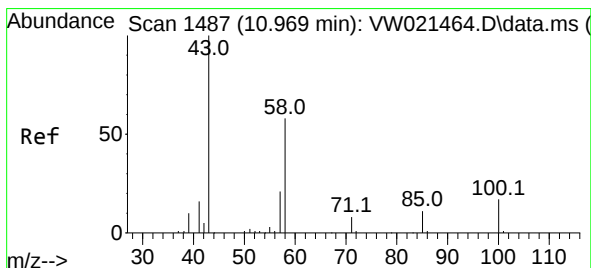
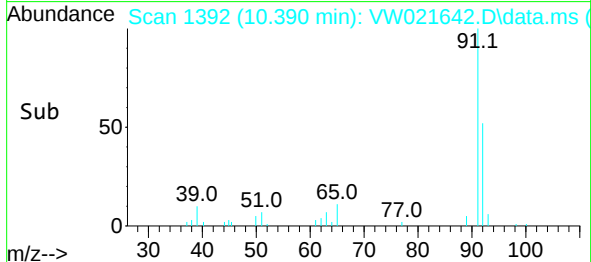
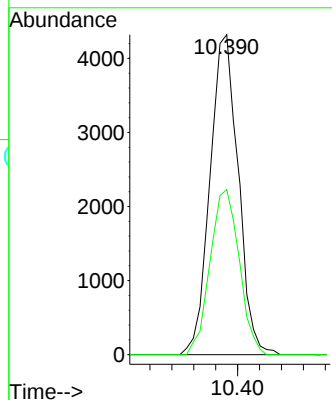
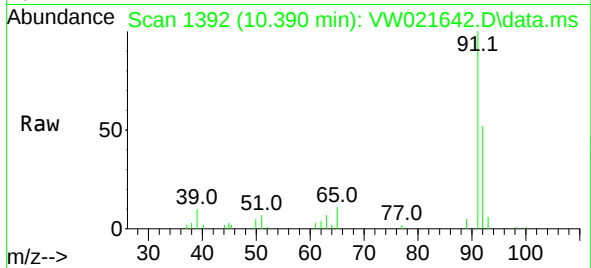




#42  
Toluene  
Concen: 1.928 ug/L  
RT: 10.390 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW021642.D  
Acq: 25 Dec 2021 13:44

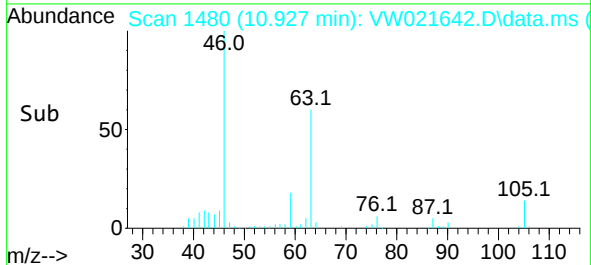
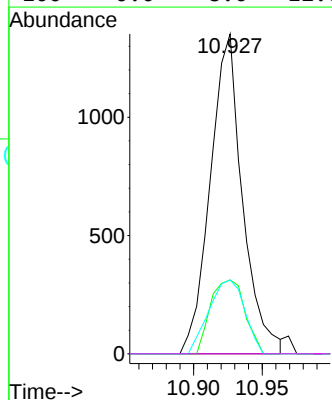
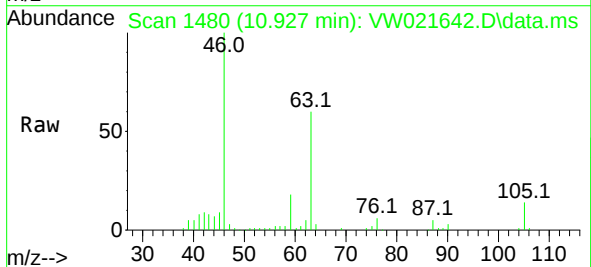
Instrument :  
MSVOA\_W  
ClientSampleId :

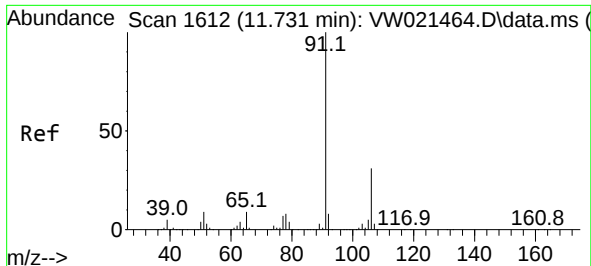
Tgt Ion: 91 Resp: 7729  
Ion Ratio Lower Upper  
91 100  
92 51.6 41.7 77.5



#48  
2-Hexanone  
Concen: 7.322 ug/L  
RT: 10.927 min Scan# 1480  
Delta R.T. -0.043 min  
Lab File: VW021642.D  
Acq: 25 Dec 2021 13:44

Tgt Ion: 43 Resp: 2212  
Ion Ratio Lower Upper  
43 100  
58 24.6 40.2 60.2#  
57 25.5 14.3 21.5#  
100 0.0 8.0 12.0#





#52

Ethylbenzene

Concen: 1.197 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021642.D

Acq: 25 Dec 2021 13:44

Instrument :

MSVOA\_W

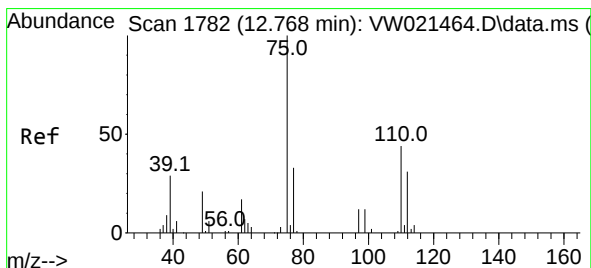
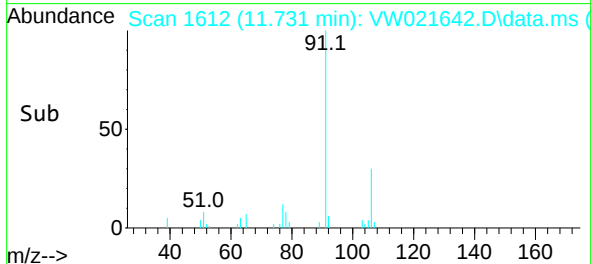
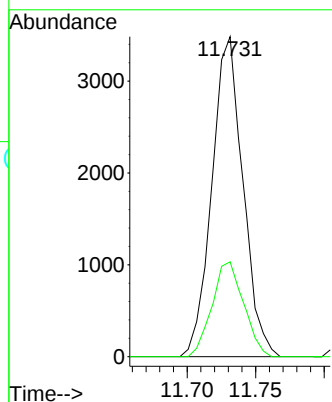
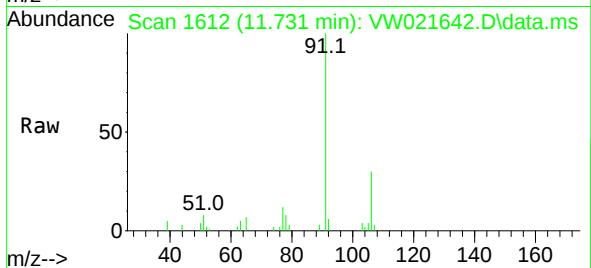
ClientSampleId :

Tgt Ion: 91 Resp: 5485

Ion Ratio Lower Upper

91 100

106 29.6 21.5 39.9



#61

1,2,3-Trichloropropane

Concen: 7.274 ug/L

RT: 13.554 min Scan# 1911

Delta R.T. 0.786 min

Lab File: VW021642.D

Acq: 25 Dec 2021 13:44

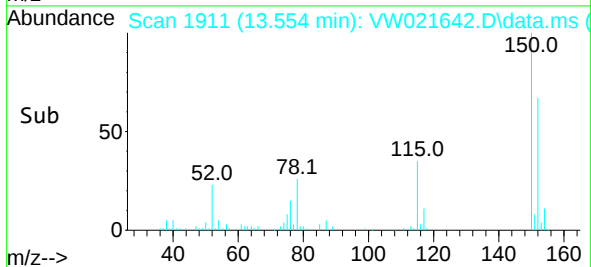
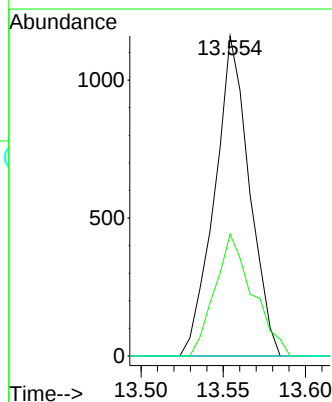
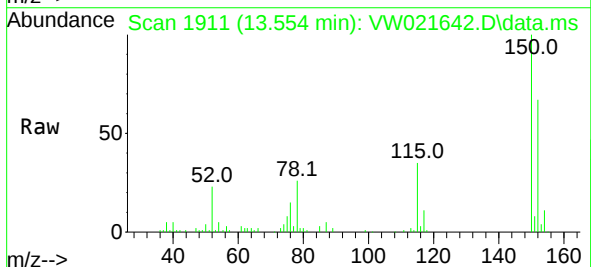
Tgt Ion: 75 Resp: 1705

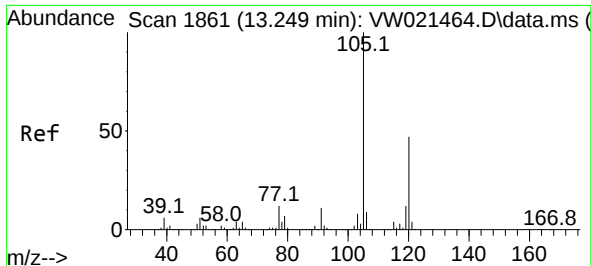
Ion Ratio Lower Upper

75 100

77 41.6 25.8 38.8#

110 0.0 29.0 43.4#

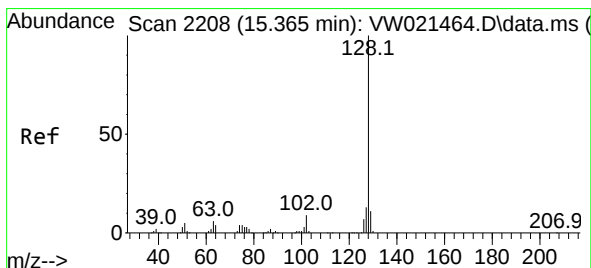
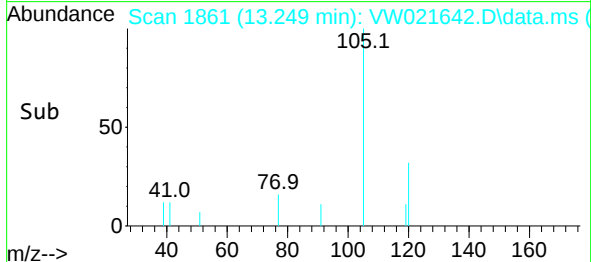
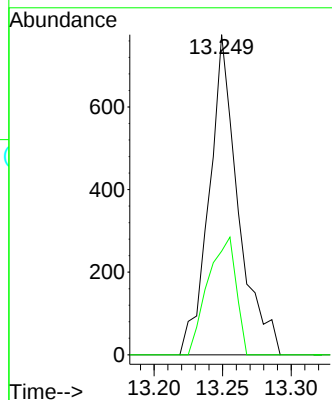
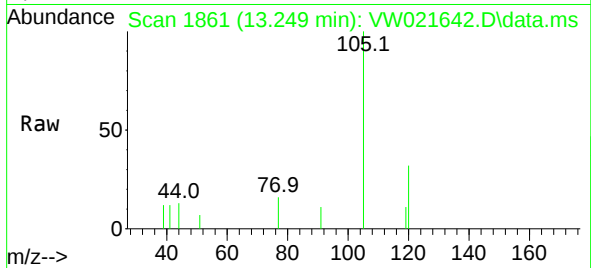




#63  
1,2,4-Trimethylbenzene  
Concen: 0.622 ug/L  
RT: 13.249 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW021642.D  
Acq: 25 Dec 2021 13:44

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:105 Resp: 1143  
Ion Ratio Lower Upper  
105 100  
120 35.6 35.0 52.6



#71  
Naphthalene  
Concen: 0.698 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW021642.D  
Acq: 25 Dec 2021 13:44

Tgt Ion:128 Resp: 704  
Ion Ratio Lower Upper  
128 100  
127 8.0 10.7 16.1#  
129 0.0 8.6 12.8#

