

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120221\  
 Data File : VW021023.D  
 Acq On : 02 Dec 2021 04:40  
 Operator : SY/VA  
 Sample : M4881-11  
 Misc : 5.74g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 02 07:31:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 02 07:10:34 2021  
 Response via : Initial Calibration

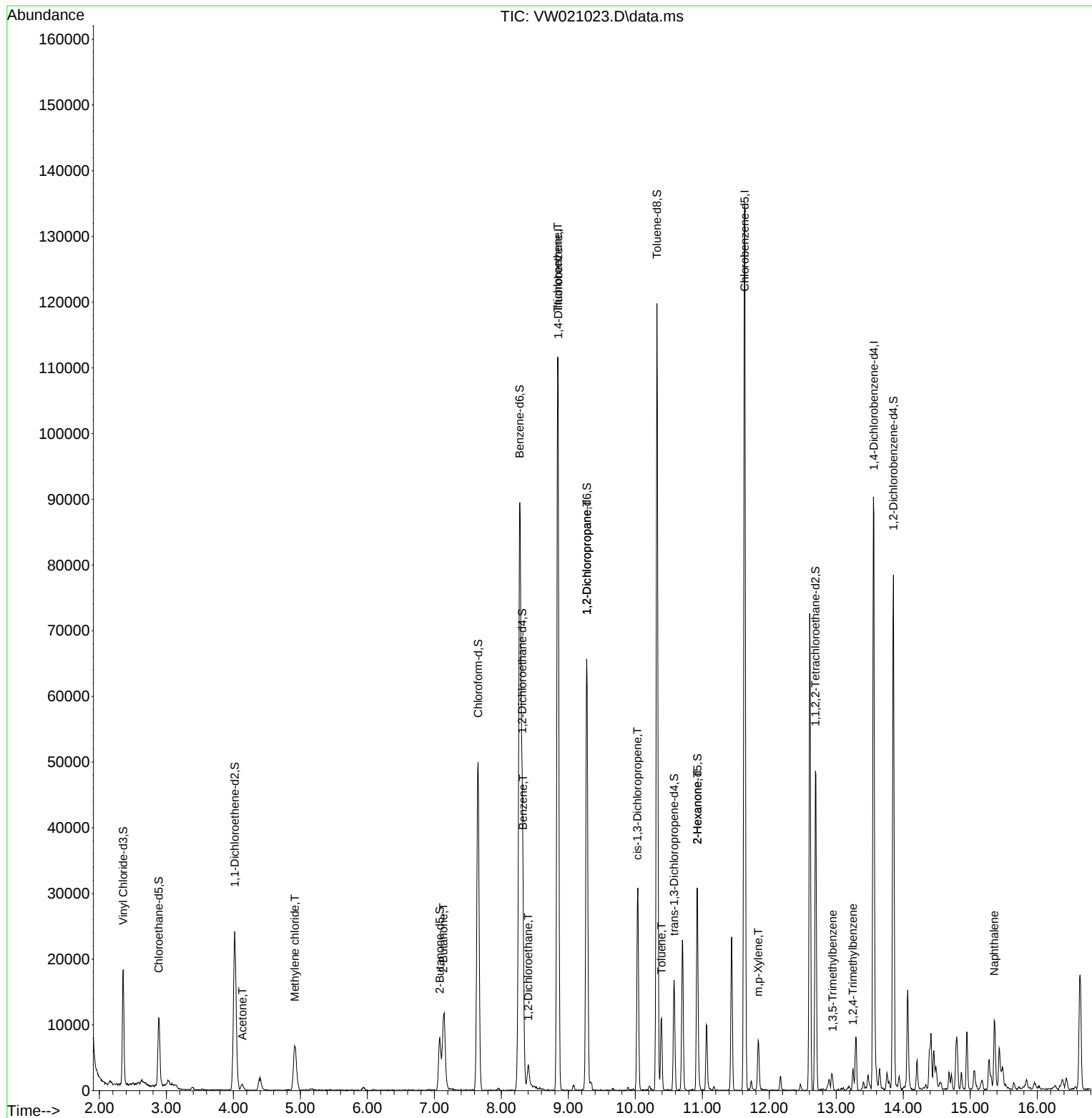
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848          | 114  | 96682      | 25.000   | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 76812      | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 23160      | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 15048      | 13.418   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 53.680%  |        |          |
| 7) Chloroethane-d5            | 2.885          | 69   | 11882      | 16.428   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 65.720%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 22235      | 10.247   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 41.000%# |        |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 13607      | 48.611   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 97.220%  |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 48866      | 20.059   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 80.240%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.311          | 65   | 27779      | 22.466   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 89.880%  |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 85704      | 21.170   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 84.680%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 27918      | 24.217   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 96.880%  |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 75443      | 18.775   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 75.120%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 8945       | 16.416   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 65.680%  |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 10126      | 52.961   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 105.920% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 22031      | 24.947   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 99.800%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 19504      | 23.628   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 94.520%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 13) Acetone                   | 4.135          | 43   | 1798       | 7.194    | ug/L   | 97       |
| 16) Methylene chloride        | 4.915          | 84   | 5506       | 4.083    | ug/L   | 88       |
| 22) 2-Butanone                | 7.135          | 43   | 1000       | 2.945    | ug/L # | 52       |
| 27) 1,2-Dichloroethane        | 8.403          | 62   | 2656       | 1.855    | ug/L # | 93       |
| 33) Benzene                   | 8.323          | 78   | 13071      | 3.005    | ug/L   | 100      |
| 34) Trichloroethene           | 8.842          | 95   | 2870       | 2.359    | ug/L # | 5        |
| 37) 1,2-Dichloropropane       | 9.274          | 63   | 3664       | 3.620    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 10.030         | 75   | 862        | 0.516    | ug/L   | 84       |
| 42) Toluene                   | 10.390         | 91   | 7936       | 1.622    | ug/L   | 94       |
| 48) 2-Hexanone                | 10.927         | 43   | 1762       | 4.222    | ug/L # | 67       |
| 53) m,p-Xylene                | 11.835         | 106  | 2452       | 1.108    | ug/L   | 63       |
| 62) 1,3,5-Trimethylbenzene    | 12.944         | 105  | 996        | 0.374    | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249         | 105  | 1870       | 0.712    | ug/L   | 92       |
| 71) Naphthalene               | 15.359         | 128  | 9226       | 5.908    | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

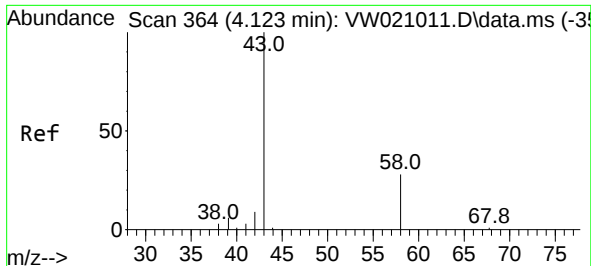
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120221\  
Data File : VW021023.D  
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Operator : SY/VA  
Sample : M4881-11  
Misc : 5.74g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 02 07:31:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Dec 02 07:10:34 2021  
Response via : Initial Calibration

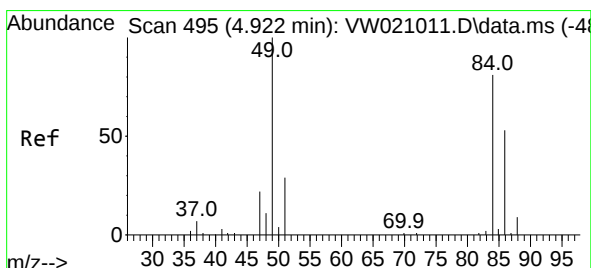
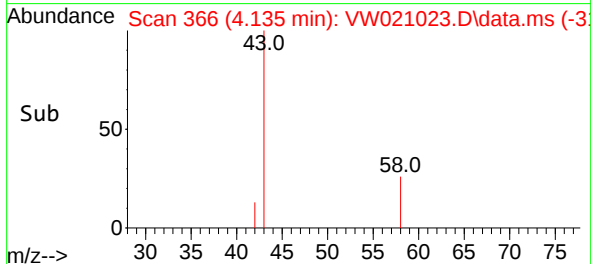
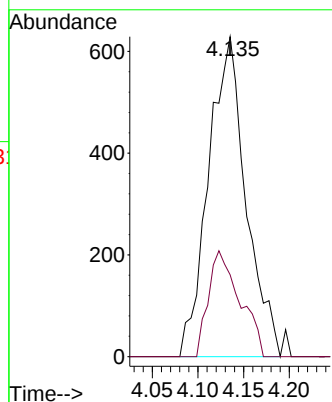
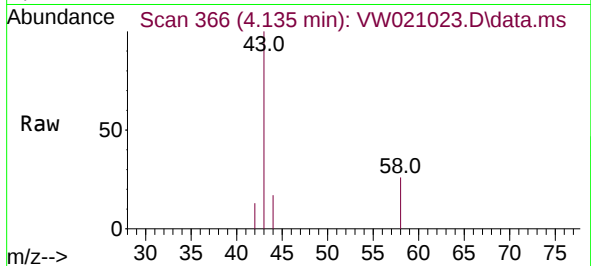




#13  
Acetone  
Concen: 7.194 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. 0.012 min  
Lab File: VW021023.D  
Acq: 02 Dec 2021 04:40

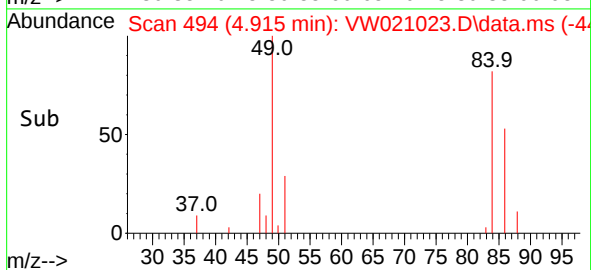
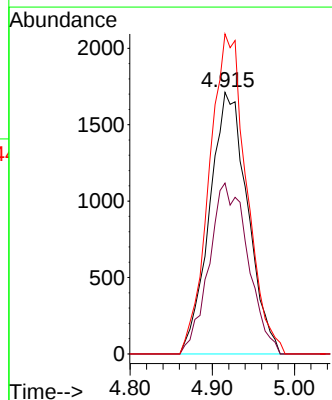
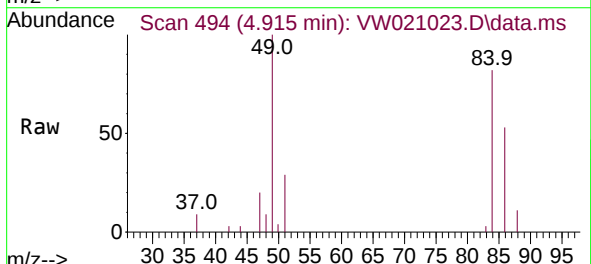
Instrument :  
MSVOA\_W  
ClientSampleId :

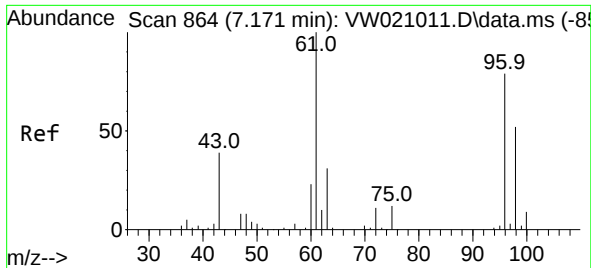
Tgt Ion: 43 Resp: 1798  
Ion Ratio Lower Upper  
43 100  
58 27.7 0.0 52.8



#16  
Methylene chloride  
Concen: 4.083 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW021023.D  
Acq: 02 Dec 2021 04:40

Tgt Ion: 84 Resp: 5506  
Ion Ratio Lower Upper  
84 100  
86 65.3 45.5 84.5  
49 122.3 100.5 186.7

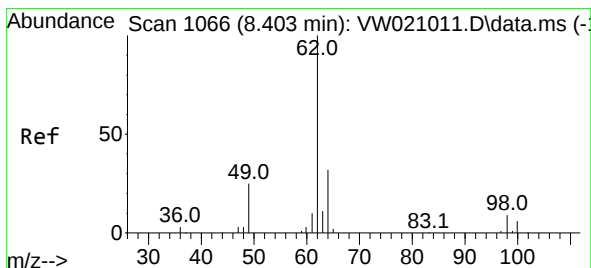
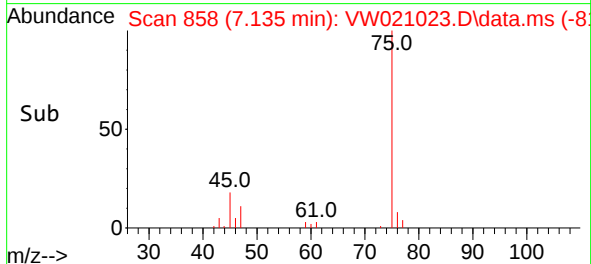
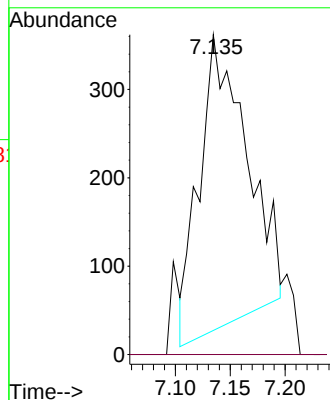
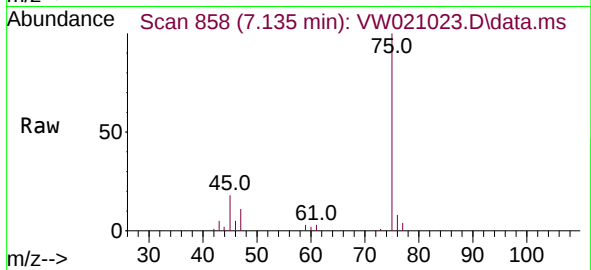




#22  
2-Butanone  
Concen: 2.945 ug/L  
RT: 7.135 min Scan# 864  
Delta R.T. -0.037 min  
Lab File: VW021023.D  
Acq: 02 Dec 2021 04:40

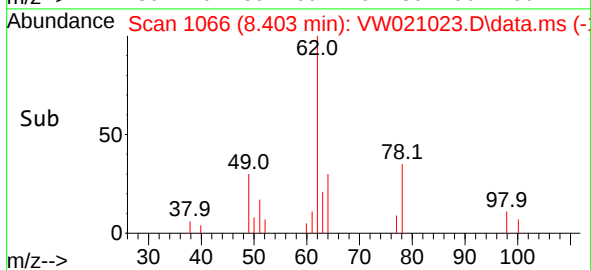
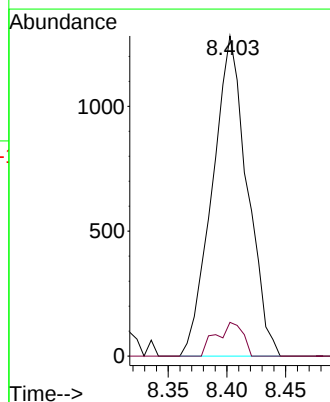
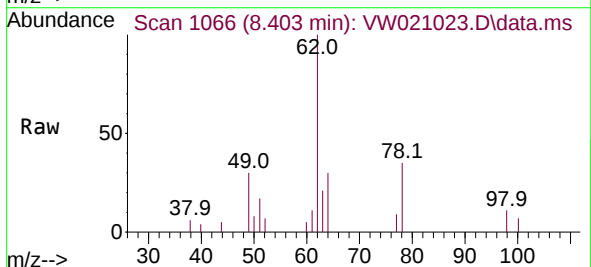
Instrument :  
MSVOA\_W  
ClientSampleId :

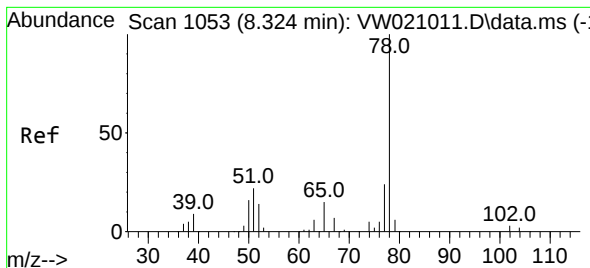
Tgt Ion: 43 Resp: 1000  
Ion Ratio Lower Upper  
43 100  
72 0.0 11.8 35.4#



#27  
1,2-Dichloroethane  
Concen: 1.855 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW021023.D  
Acq: 02 Dec 2021 04:40

Tgt Ion: 62 Resp: 2656  
Ion Ratio Lower Upper  
62 100  
98 10.5 6.5 9.7#





#33

Benzene

Concen: 3.005 ug/L

RT: 8.323 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VW021023.D

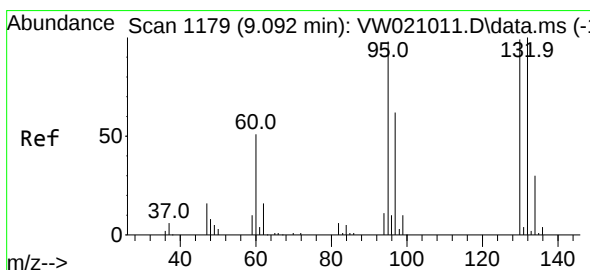
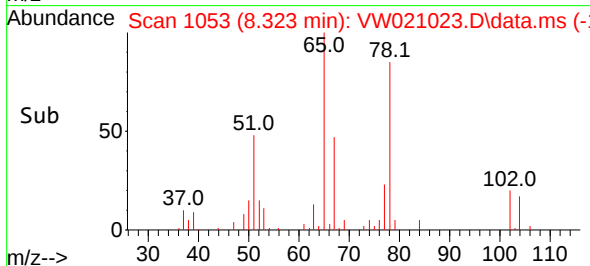
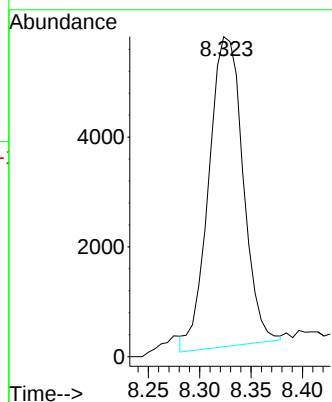
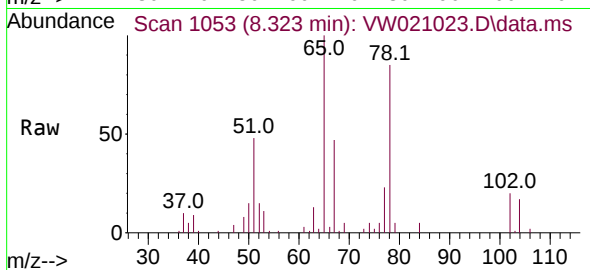
Acq: 02 Dec 2021 04:40

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 78 Resp: 13071



#34

Trichloroethene

Concen: 2.359 ug/L

RT: 8.842 min Scan# 1138

Delta R.T. -0.250 min

Lab File: VW021023.D

Acq: 02 Dec 2021 04:40

Tgt Ion: 95 Resp: 2870

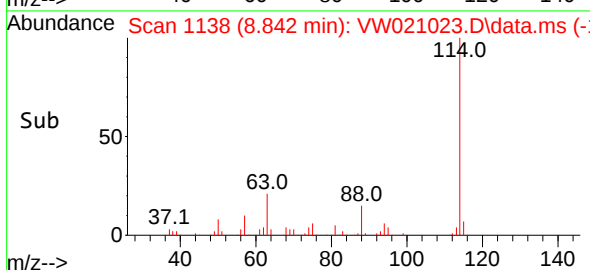
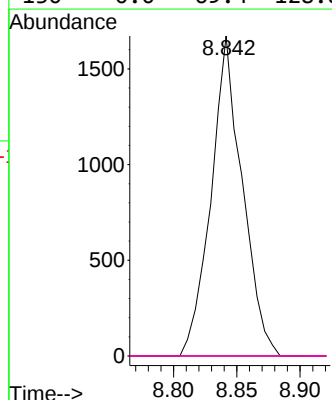
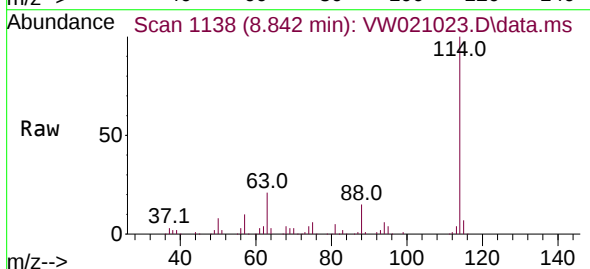
Ion Ratio Lower Upper

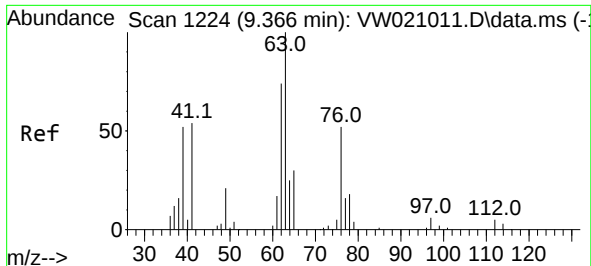
95 100

97 0.0 47.0 87.2#

132 0.0 65.5 121.6#

130 0.0 69.4 128.8#





#37

1,2-Dichloropropane

Concen: 3.620 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.092 min

Lab File: VW021023.D

Acq: 02 Dec 2021 04:40

Instrument :

MSVOA\_W

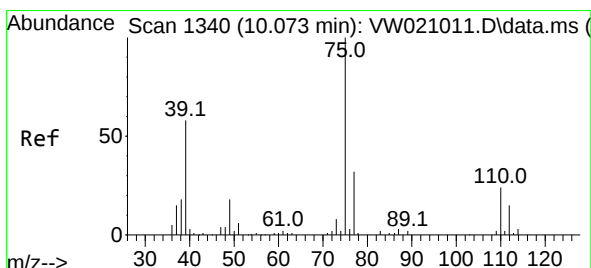
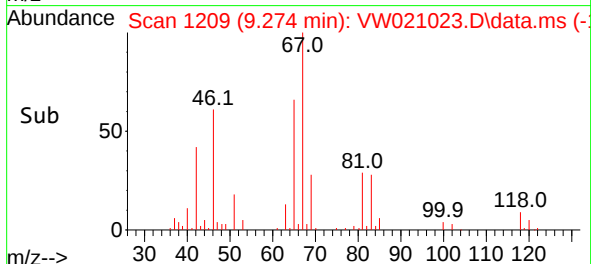
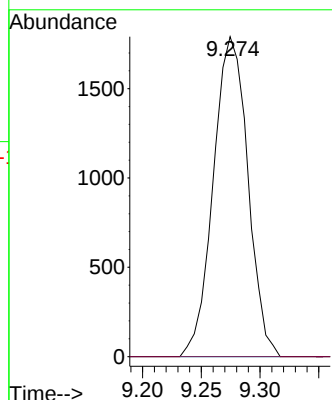
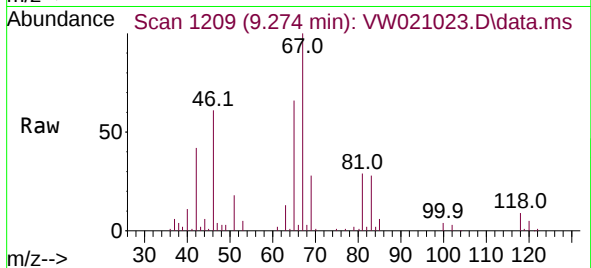
ClientSampleId :

Tgt Ion: 63 Resp: 3664

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.516 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021023.D

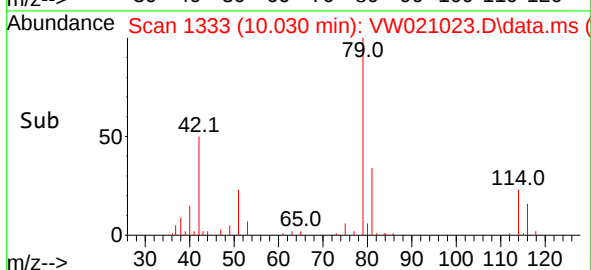
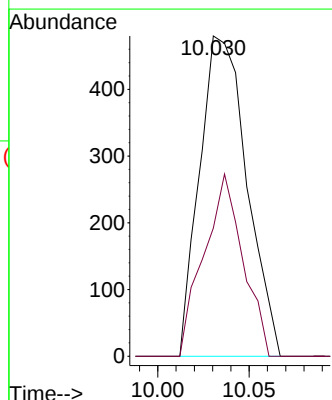
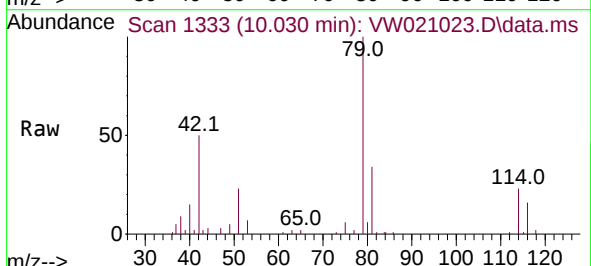
Acq: 02 Dec 2021 04:40

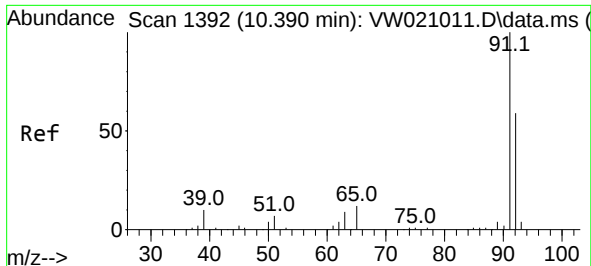
Tgt Ion: 75 Resp: 862

Ion Ratio Lower Upper

75 100

77 40.0 21.8 40.6

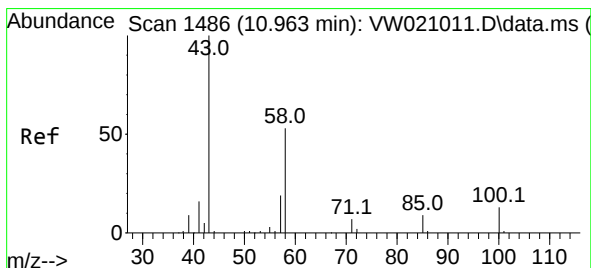
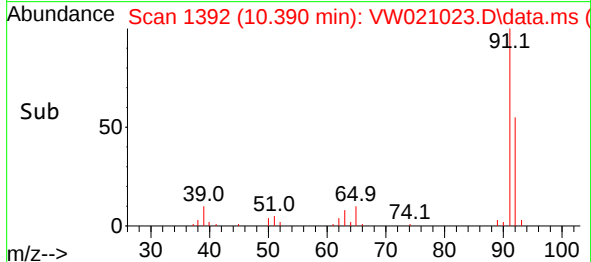
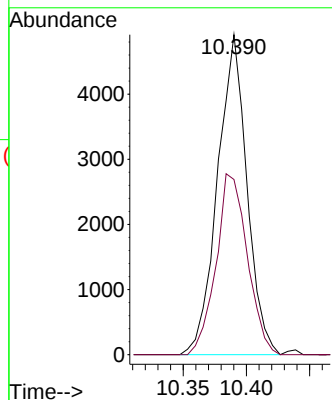
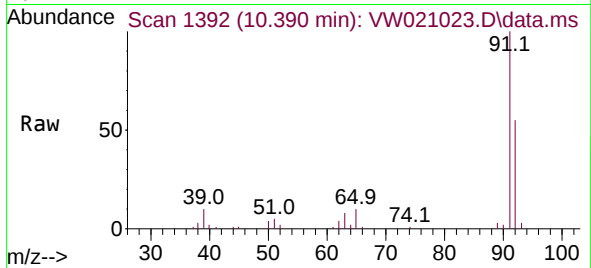




#42  
Toluene  
Concen: 1.622 ug/L  
RT: 10.390 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW021023.D  
Acq: 02 Dec 2021 04:40

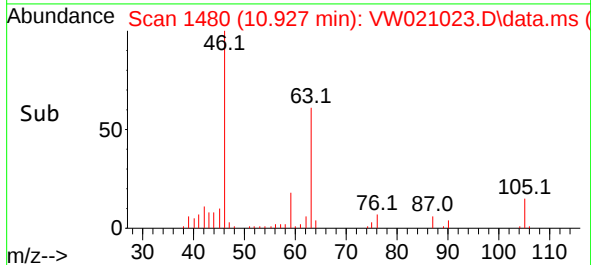
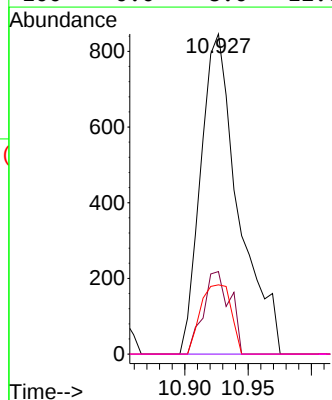
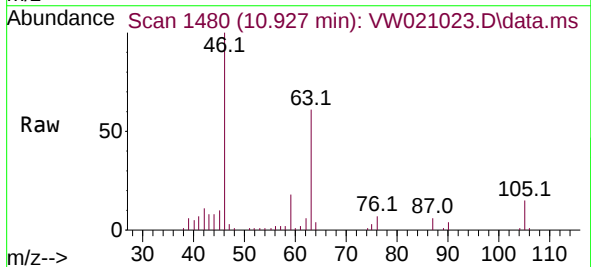
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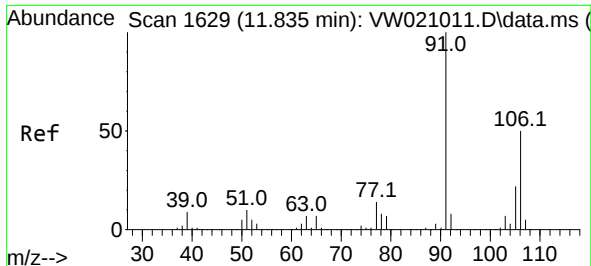
Tgt Ion: 91 Resp: 7936  
Ion Ratio Lower Upper  
91 100  
92 54.8 41.7 77.5



#48  
2-Hexanone  
Concen: 4.222 ug/L  
RT: 10.927 min Scan# 1480  
Delta R.T. -0.037 min  
Lab File: VW021023.D  
Acq: 02 Dec 2021 04:40

Tgt Ion: 43 Resp: 1762  
Ion Ratio Lower Upper  
43 100  
58 18.4 40.2 60.2#  
57 17.4 14.3 21.5  
100 0.0 8.0 12.0#

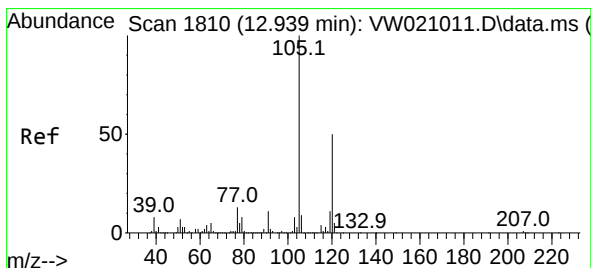
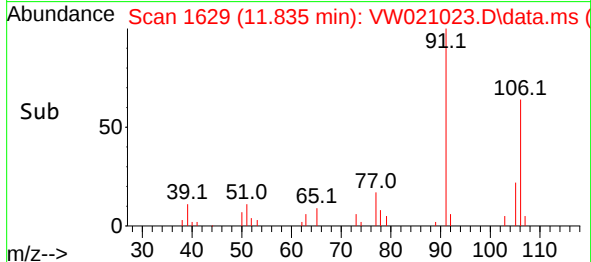
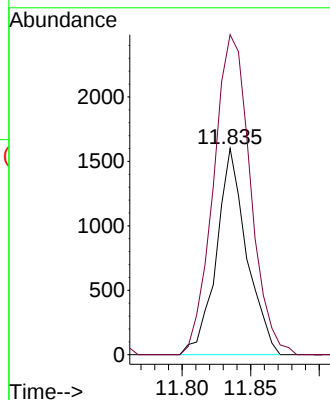
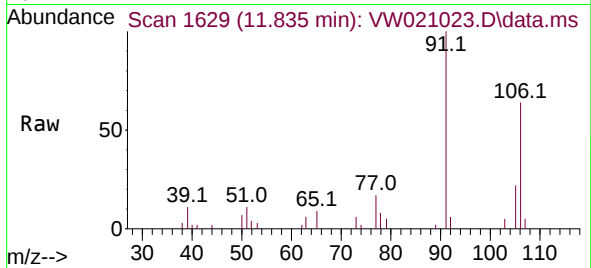




#53  
m,p-Xylene  
Concen: 1.108 ug/L  
RT: 11.835 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VW021023.D  
Acq: 02 Dec 2021 04:40

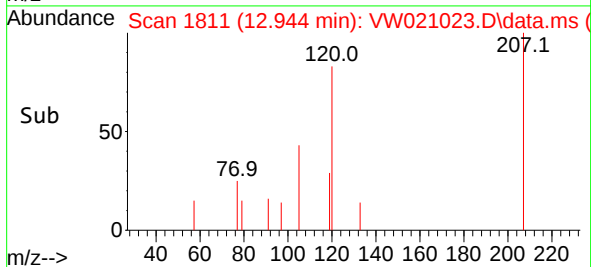
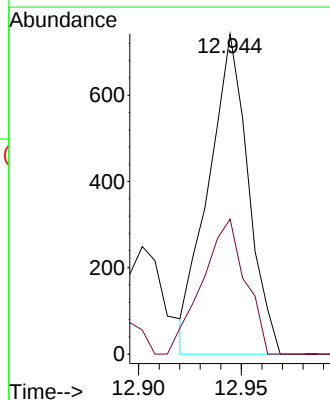
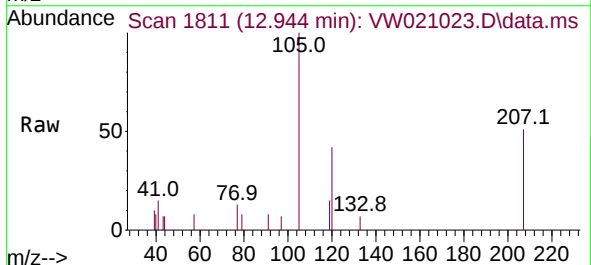
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MSVOA\_W  
ClientSampleId :

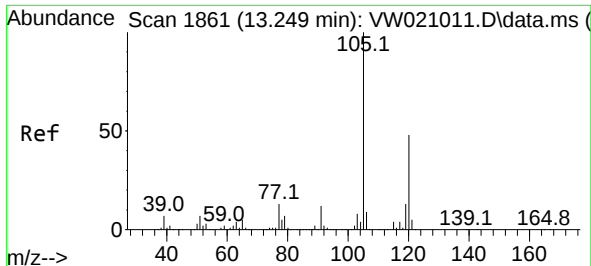
Tgt Ion:106 Resp: 2452  
Ion Ratio Lower Upper  
106 100  
91 155.2 149.9 278.3



#62  
1,3,5-Trimethylbenzene  
Concen: 0.374 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VW021023.D  
Acq: 02 Dec 2021 04:40

Tgt Ion:105 Resp: 996  
Ion Ratio Lower Upper  
105 100  
120 45.9 37.4 56.2





#63

1,2,4-Trimethylbenzene

Concen: 0.712 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021023.D

Acq: 02 Dec 2021 04:40

Instrument :

MSVOA\_W

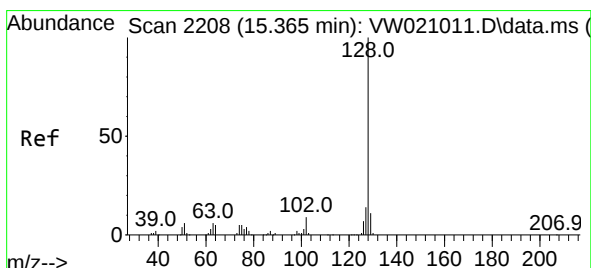
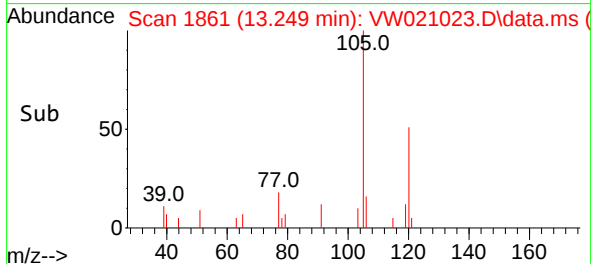
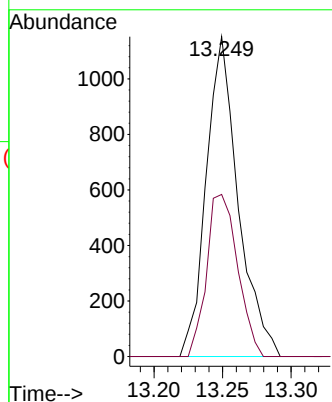
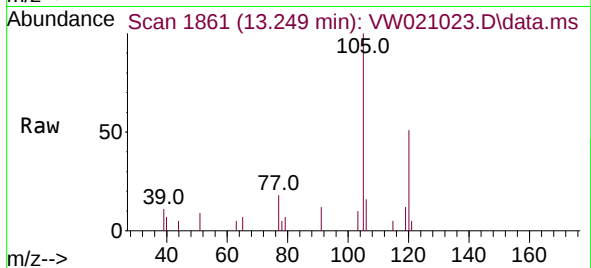
ClientSampleId :

Tgt Ion:105 Resp: 1870

Ion Ratio Lower Upper

105 100

120 49.1 35.0 52.6



#71

Naphthalene

Concen: 5.908 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.006 min

Lab File: VW021023.D

Acq: 02 Dec 2021 04:40

Tgt Ion:128 Resp: 9226

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

129 11.3 8.6 12.8

