

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
 Data File : VW026889.D  
 Acq On : 25 Aug 2023 12:42  
 Operator : SY/MD  
 Sample : 04157-04  
 Misc : 4.99g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 26 01:45:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Aug 26 01:43:45 2023  
 Response via : Initial Calibration

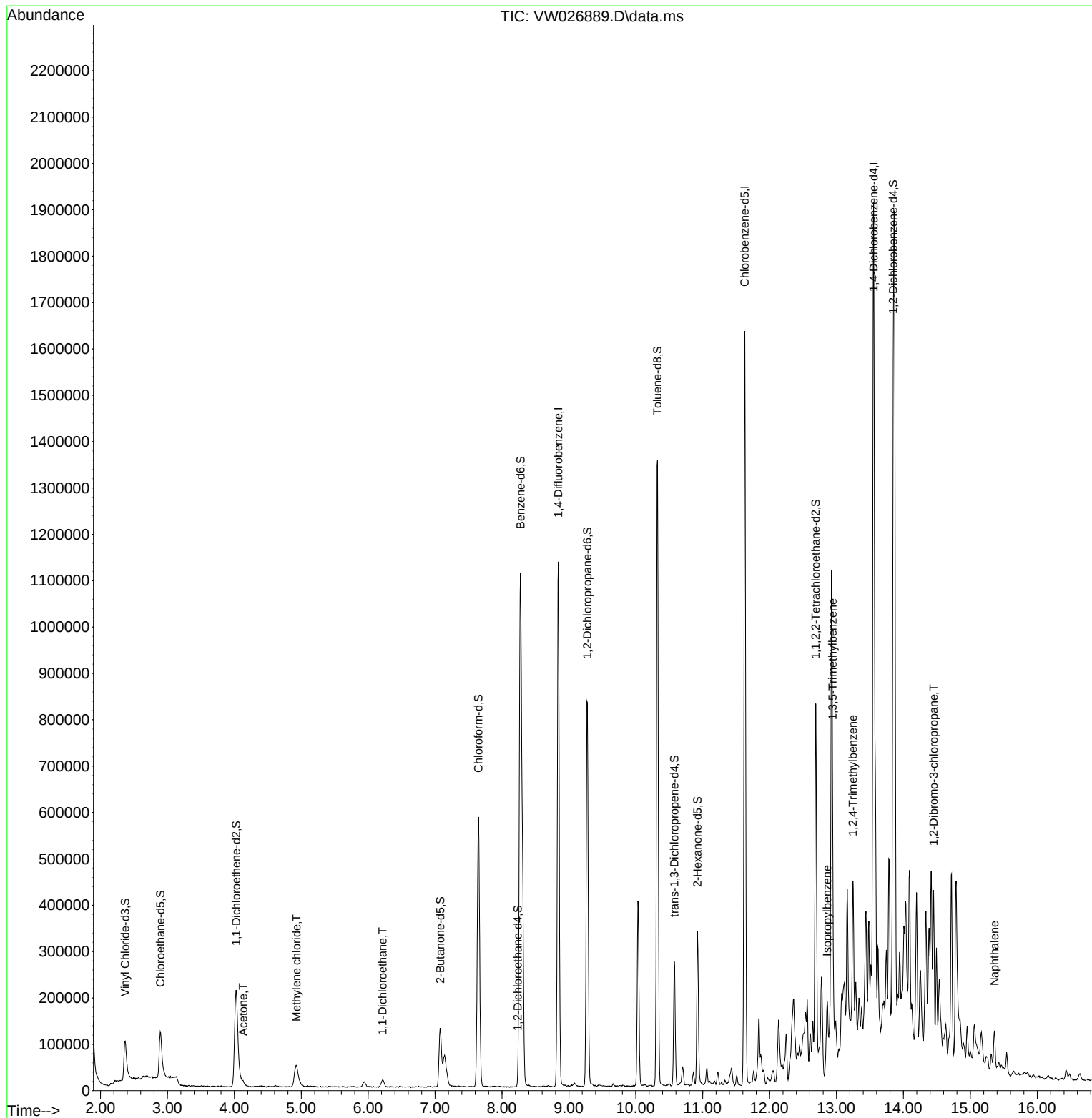
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 880573   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 841236   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 413089   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 166461   | 11.499   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 46.000%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 158606   | 14.735   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 58.920%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 90016    | 12.643   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 50.560%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 227453   | 54.669   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.340% |
| 24) Chloroform-d              | 7.648  | 84    | 588163   | 19.901   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 79.600%  |
| 26) 1,2-Dichloroethane-d4     | 8.233  | 65    | 97       | 0.006    | ug/L   | -0.07    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.040%#  |
| 32) Benzene-d6                | 8.276  | 84    | 1094538  | 18.879   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 75.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 396959   | 21.981   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 87.920%  |
| 41) Toluene-d8                | 10.325 | 98    | 888646   | 17.856   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 71.440%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 147314   | 19.757   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 79.040%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 111442   | 58.727   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 117.460% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 360746   | 25.294   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 101.160% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 320417   | 21.671   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.680%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 4.131  | 43    | 13741    | 3.322    | ug/L   | 98       |
| 16) Methylene chloride        | 4.929  | 84    | 47801    | 2.806    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 22173    | 0.742    | ug/L   | 92       |
| 60) Isopropylbenzene          | 12.861 | 105   | 51307    | 0.835    | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105   | 122031   | 2.514    | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105   | 184092   | 3.870    | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 14.452 | 75    | 2312     | 0.957    | ug/L # | 23       |
| 71) Naphthalene               | 15.360 | 128   | 72963    | 2.500    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

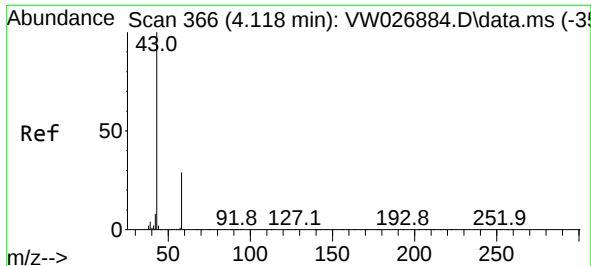
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026889.D  
Acq On : 25 Aug 2023 12:42  
Operator : SY/MD  
Sample : 04157-04  
Misc : 4.99g/10mL/MSVOA\_W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Aug 26 01:45:37 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Aug 26 01:43:45 2023  
Response via : Initial Calibration

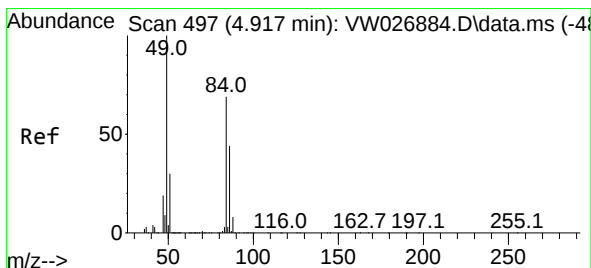
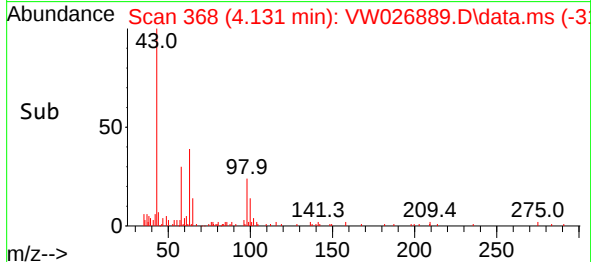
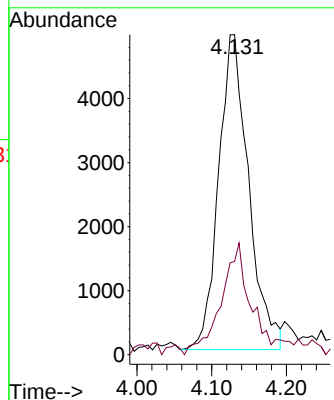
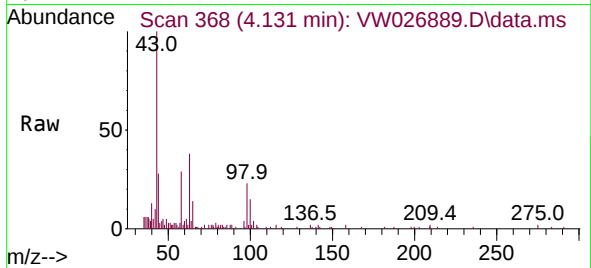




#13  
Acetone  
Concen: 3.322 ug/L  
RT: 4.131 min Scan# 30  
Delta R.T. 0.012 min  
Lab File: VW026889.D  
Acq: 25 Aug 2023 12:42

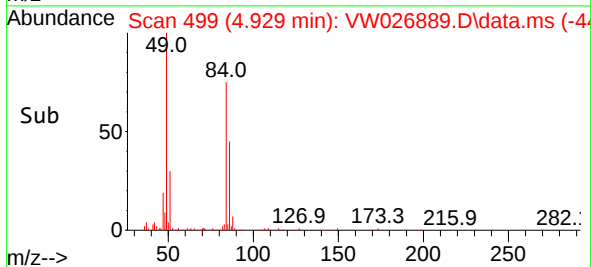
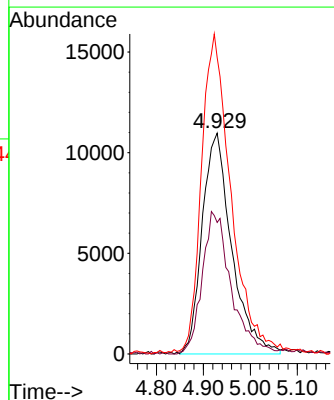
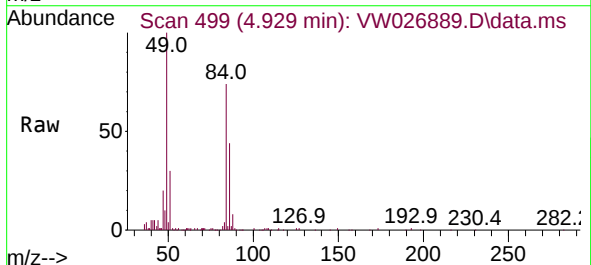
Instrument :  
MSVOA\_W  
ClientSampleId :

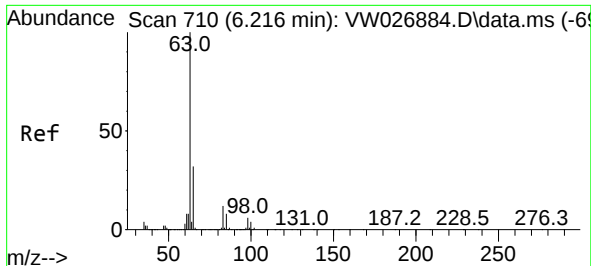
Tgt Ion: 43 Resp: 13741  
Ion Ratio Lower Upper  
43 100  
58 29.7 0.0 57.4



#16  
Methylene chloride  
Concen: 2.806 ug/L  
RT: 4.929 min Scan# 499  
Delta R.T. 0.012 min  
Lab File: VW026889.D  
Acq: 25 Aug 2023 12:42

Tgt Ion: 84 Resp: 47801  
Ion Ratio Lower Upper  
84 100  
86 59.6 43.5 80.9  
49 134.3 96.0 178.2





#19

1,1-Dichloroethane

Concen: 0.742 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026889.D

Acq: 25 Aug 2023 12:42

Instrument :

MSVOA\_W

ClientSampleId :

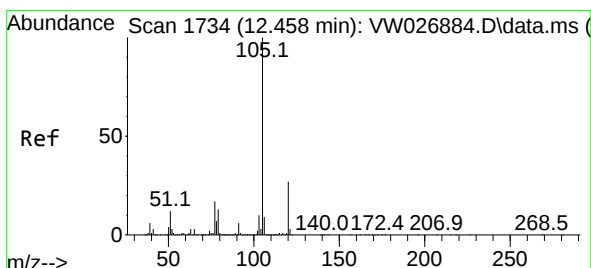
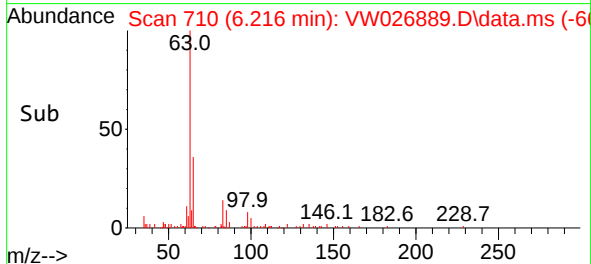
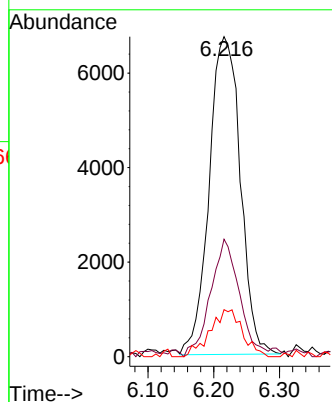
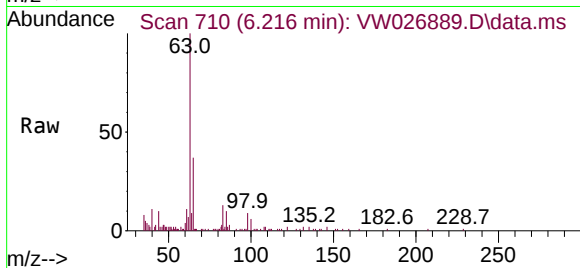
Tgt Ion: 63 Resp: 22173

Ion Ratio Lower Upper

63 100

65 36.7 21.8 40.6

83 14.7 9.0 16.6



#60

Isopropylbenzene

Concen: 0.835 ug/L

RT: 12.861 min Scan# 1800

Delta R.T. 0.402 min

Lab File: VW026889.D

Acq: 25 Aug 2023 12:42

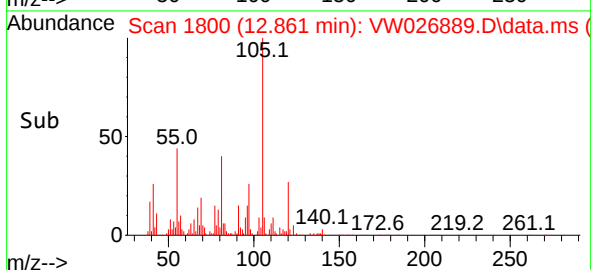
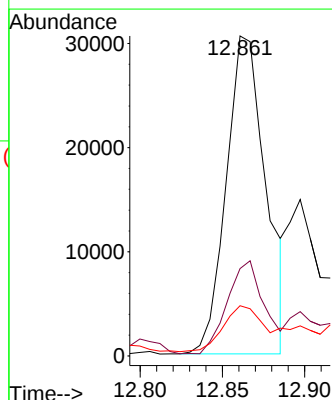
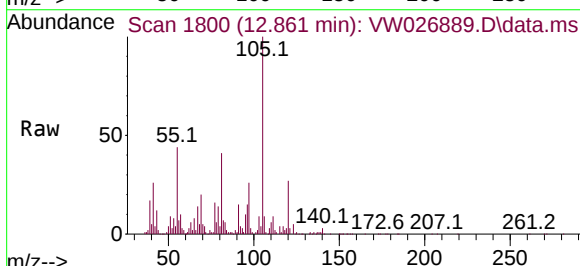
Tgt Ion: 105 Resp: 51307

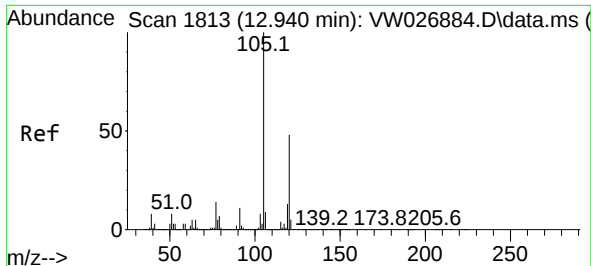
Ion Ratio Lower Upper

105 100

120 27.9 21.0 31.6

77 14.1 13.4 20.2

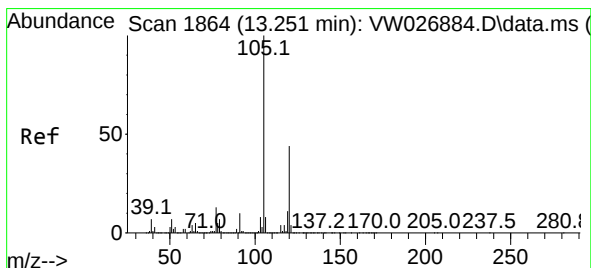
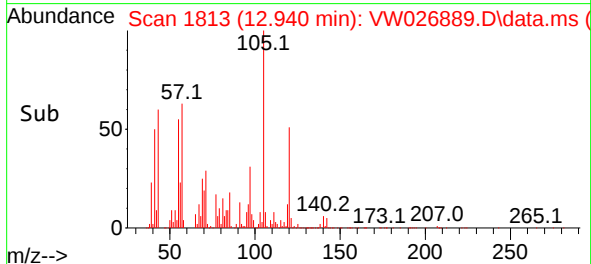
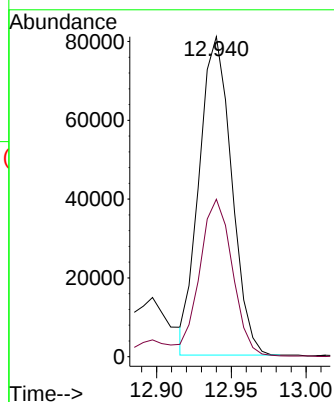
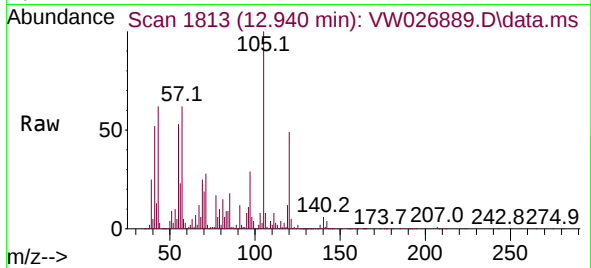




#62  
 1,3,5-Trimethylbenzene  
 Concen: 2.514 ug/L  
 RT: 12.940 min Scan# 1813  
 Delta R.T. -0.000 min  
 Lab File: VW026889.D  
 Acq: 25 Aug 2023 12:42

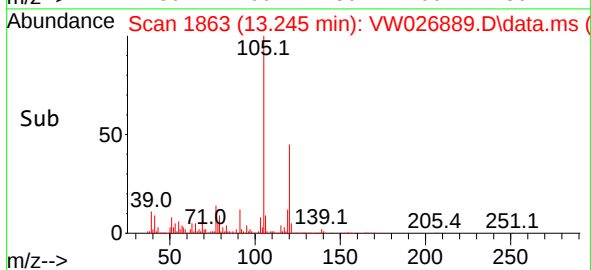
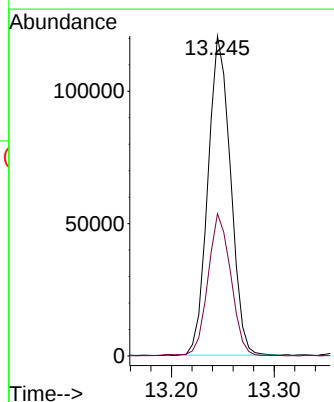
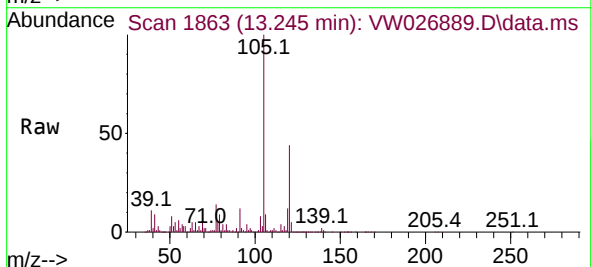
Instrument :  
 MSVOA\_W  
 ClientSampleId :

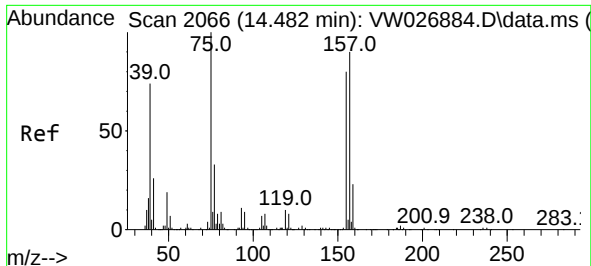
Tgt Ion:105 Resp: 122031  
 Ion Ratio Lower Upper  
 105 100  
 120 50.1 37.4 56.2



#63  
 1,2,4-Trimethylbenzene  
 Concen: 3.870 ug/L  
 RT: 13.245 min Scan# 1863  
 Delta R.T. -0.006 min  
 Lab File: VW026889.D  
 Acq: 25 Aug 2023 12:42

Tgt Ion:105 Resp: 184092  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 36.2 54.4





#68

1,2-Dibromo-3-chloropropane

Concen: 0.957 ug/L

RT: 14.452 min Scan# 2066

Delta R.T. -0.031 min

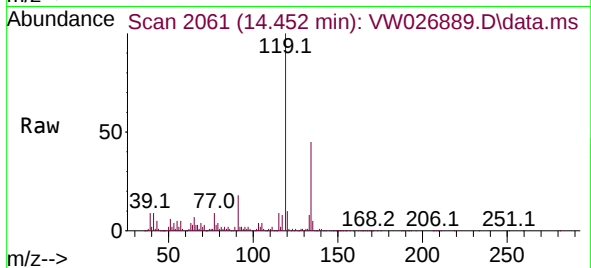
Lab File: VW026889.D

Acq: 25 Aug 2023 12:42

Instrument :

MSVOA\_W

ClientSampleId :



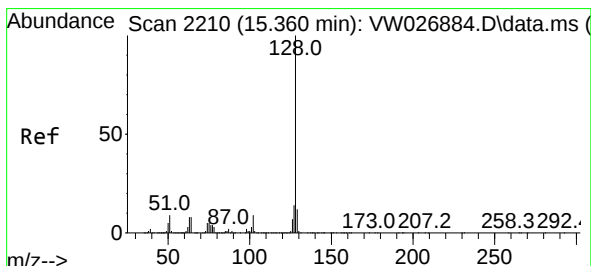
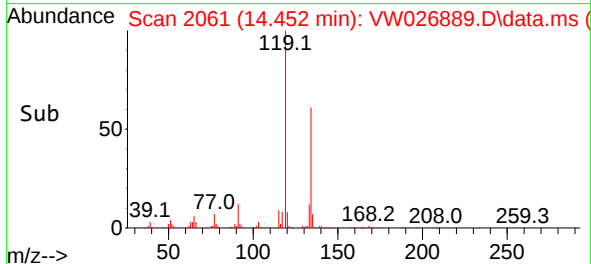
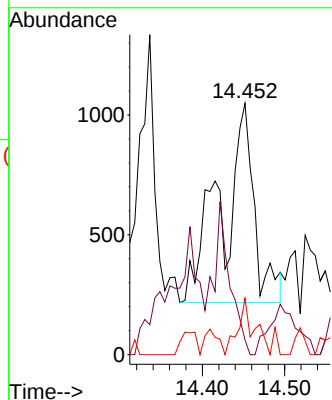
Tgt Ion: 75 Resp: 2312

Ion Ratio Lower Upper

75 100

155 5.9 55.0 82.6#

157 22.5 77.8 116.6#



#71

Naphthalene

Concen: 2.500 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW026889.D

Acq: 25 Aug 2023 12:42

Tgt Ion: 128 Resp: 72963

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

129 10.6 9.0 13.4

