

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051322\  
 Data File : VW023019.D  
 Acq On : 13 May 2022 11:56  
 Operator : SY/VA  
 Sample : N2766-18RE  
 Misc : 6.44g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW4G8RE

Quant Time: May 13 23:59:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 13 23:57:51 2022  
 Response via : Initial Calibration

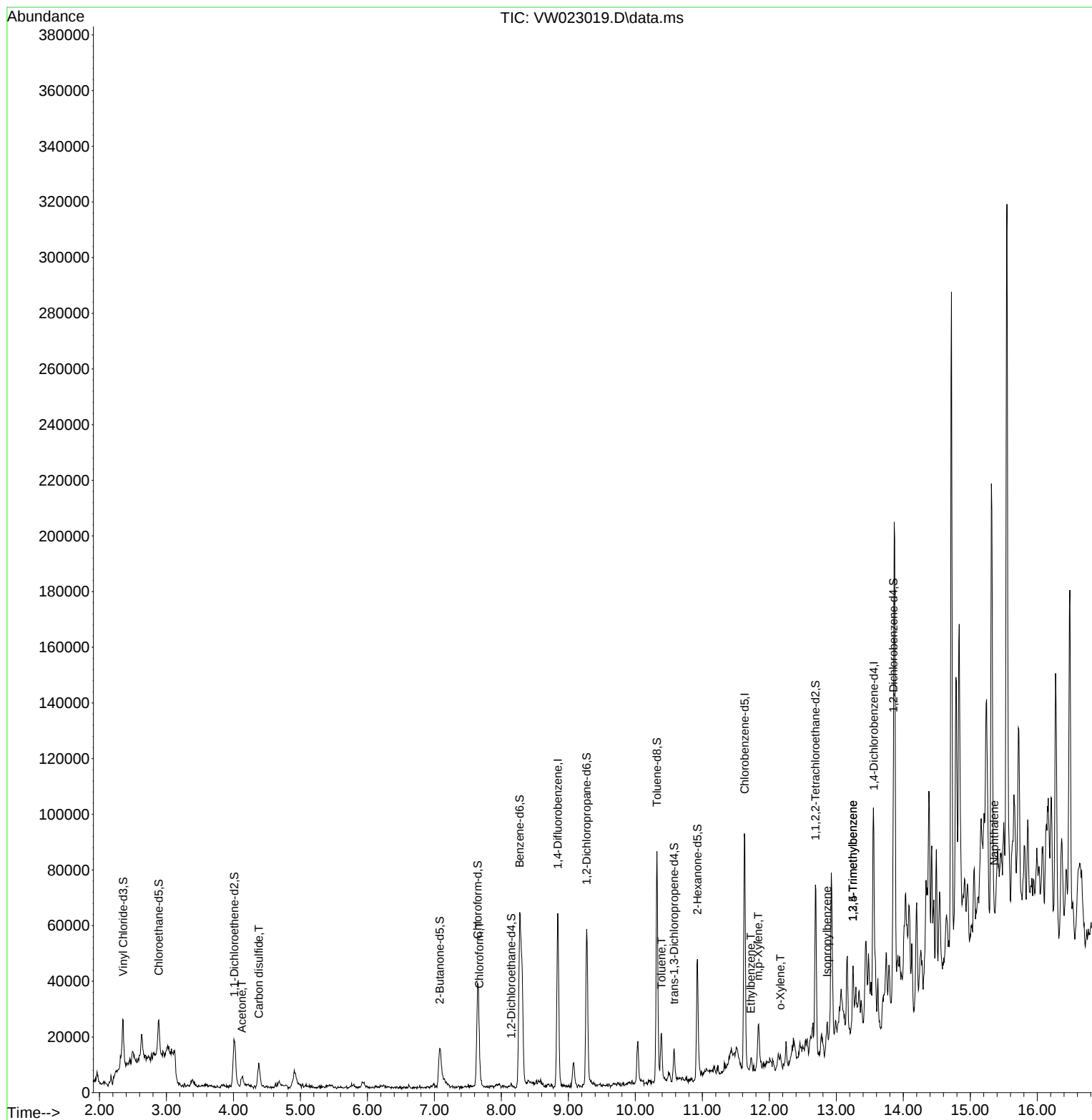
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 50195    | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 45900    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 16006    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 11818    | 11.476   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 45.920%   |
| 7) Chloroethane-d5            | 2.885  | 69    | 13908    | 20.759   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.040%   |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 15216    | 11.435   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 45.760%   |
| 21) 2-Butanone-d5             | 7.080  | 46    | 24651    | 125.897  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 251.800%# |
| 24) Chloroform-d              | 7.647  | 84    | 36679    | 24.942   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.760%   |
| 26) 1,2-Dichloroethane-d4     | 8.146  | 65    | 75       | 0.093    | ug/L   | -0.16     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.360%#   |
| 32) Benzene-d6                | 8.275  | 84    | 61794    | 23.357   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.440%   |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 24114    | 32.448   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 129.800%# |
| 41) Toluene-d8                | 10.323 | 98    | 52282    | 20.457   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 81.840%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 6089     | 17.794   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 71.160%   |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 14946    | 105.350  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 210.700%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 28217    | 40.736   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 162.960%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 14028    | 25.072   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.280%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          | Qvalue |           |
| 13) Acetone                   | 4.129  | 43    | 6166     | 42.062   | ug/L   | 98        |
| 14) Carbon disulfide          | 4.379  | 76    | 15426    | 8.752    | ug/L   | 96        |
| 25) Chloroform                | 7.671  | 83    | 2708     | 1.997    | ug/L   | 97        |
| 42) Toluene                   | 10.390 | 91    | 12238    | 4.038    | ug/L   | 90        |
| 52) Ethylbenzene              | 11.725 | 91    | 2531     | 0.751    | ug/L   | 96        |
| 53) m,p-Xylene                | 11.835 | 106   | 2776     | 2.090    | ug/L   | 95        |
| 54) o-Xylene                  | 12.164 | 106   | 1525     | 1.196    | ug/L   | 71        |
| 60) Isopropylbenzene          | 12.865 | 105   | 5147     | 2.347    | ug/L   | 99        |
| 62) 1,3,5-Trimethylbenzene    | 13.249 | 105   | 13172    | 10.797   | ug/L   | 99        |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 13172    | 7.191    | ug/L   | 98        |
| 71) Naphthalene               | 15.359 | 128   | 2980     | 2.623    | ug/L # | 86        |
| -----                         |        |       |          |          |        |           |

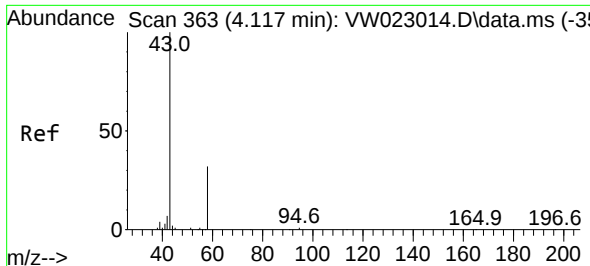
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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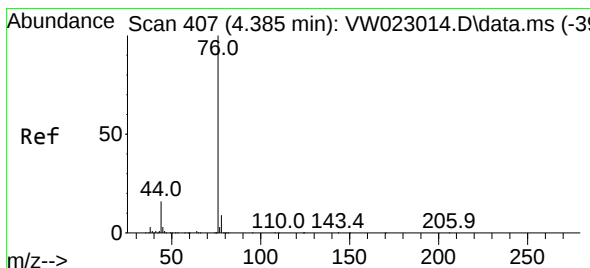
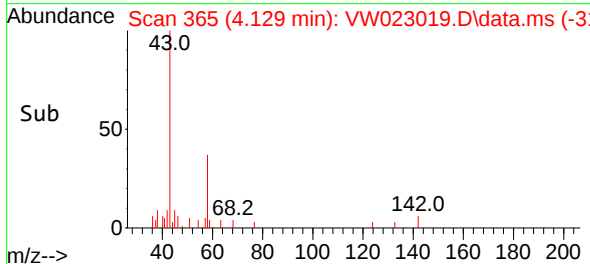
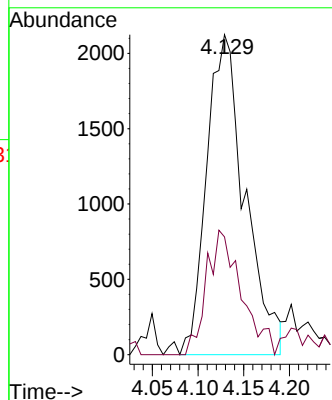
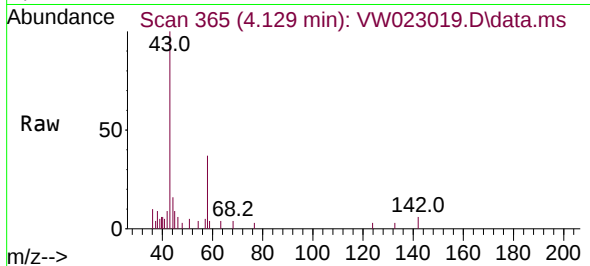




#13  
Acetone  
Concen: 42.062 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.012 min  
Lab File: VW023019.D  
Acq: 13 May 2022 11:56

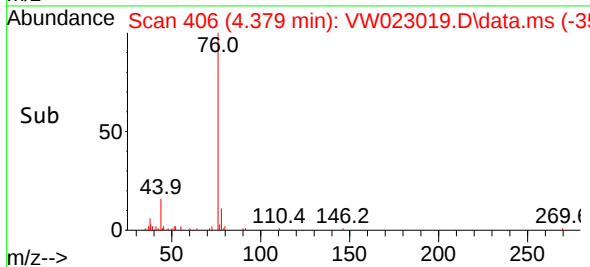
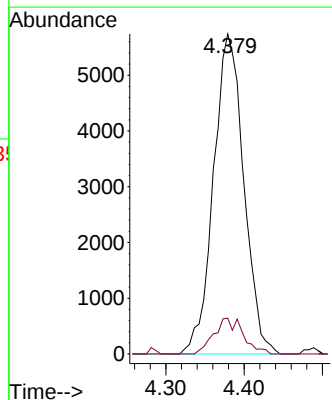
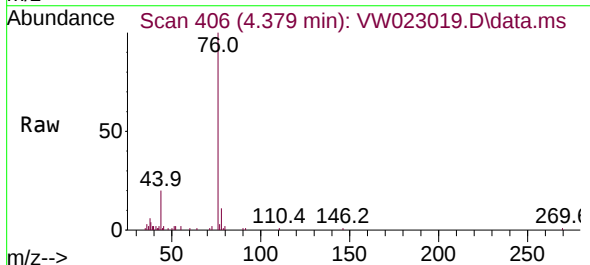
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW4G8RE

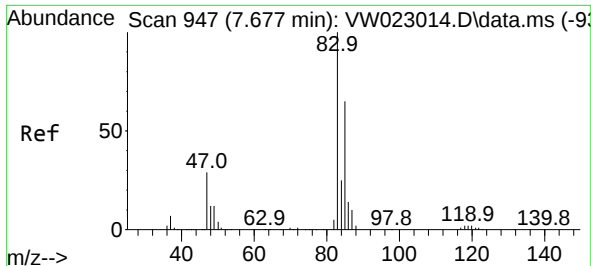
Tgt Ion: 43 Resp: 6166  
Ion Ratio Lower Upper  
43 100  
58 33.1 0.0 64.0



#14  
Carbon disulfide  
Concen: 8.752 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VW023019.D  
Acq: 13 May 2022 11:56

Tgt Ion: 76 Resp: 15426  
Ion Ratio Lower Upper  
76 100  
78 11.2 7.7 11.5

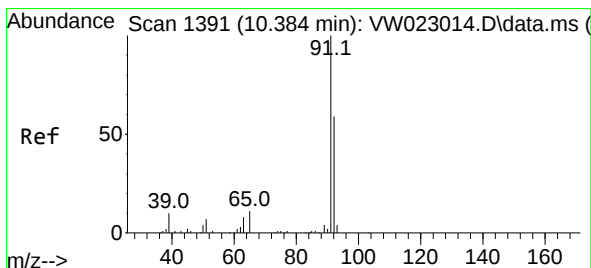
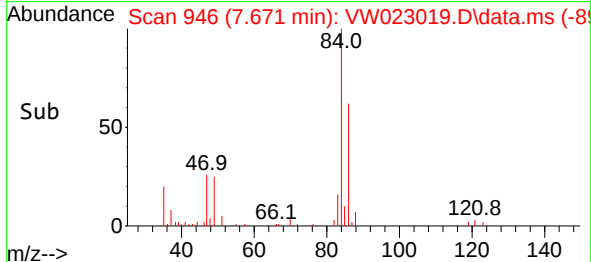
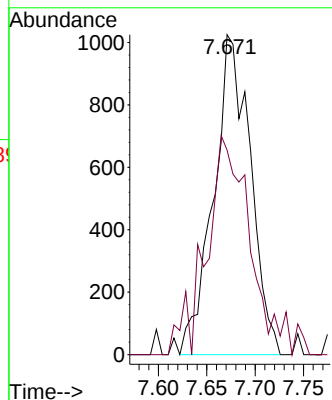
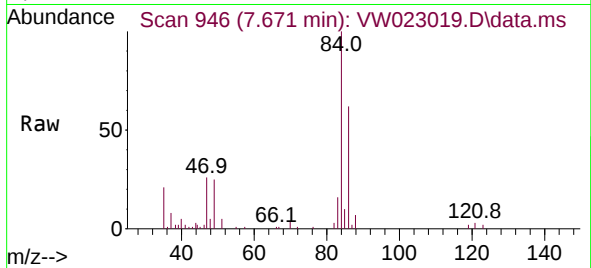




#25  
Chloroform  
Concen: 1.997 ug/L  
RT: 7.671 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VW023019.D  
Acq: 13 May 2022 11:56

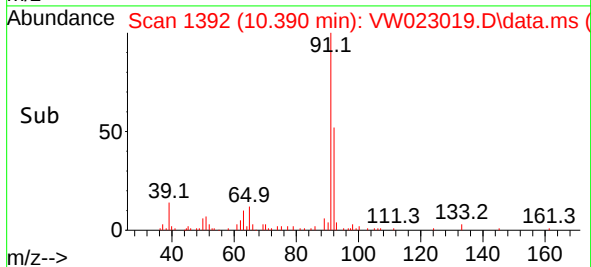
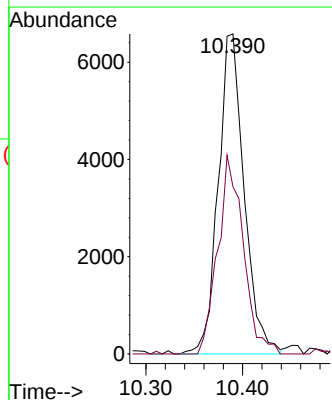
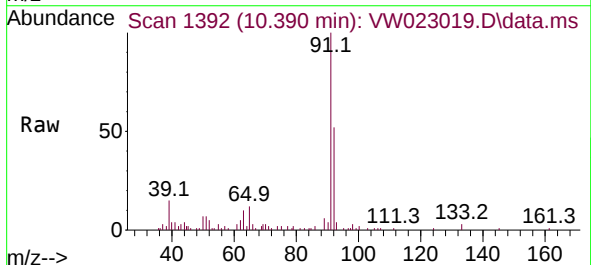
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW4G8RE

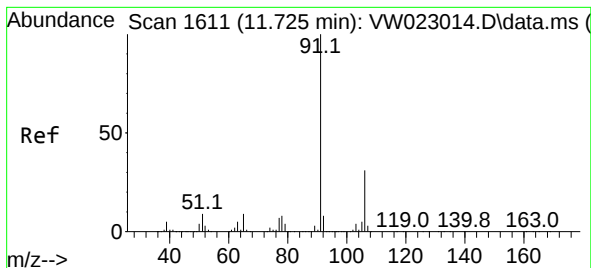
Tgt Ion: 83 Resp: 2708  
Ion Ratio Lower Upper  
83 100  
85 63.9 46.6 86.6



#42  
Toluene  
Concen: 4.038 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.006 min  
Lab File: VW023019.D  
Acq: 13 May 2022 11:56

Tgt Ion: 91 Resp: 12238  
Ion Ratio Lower Upper  
91 100  
92 52.2 41.6 77.2

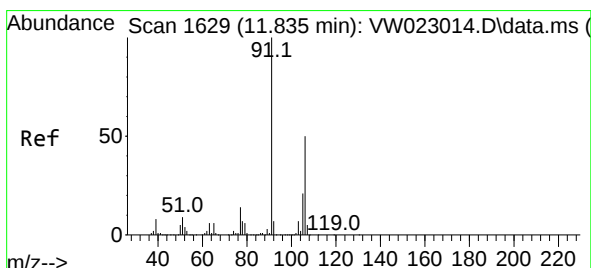
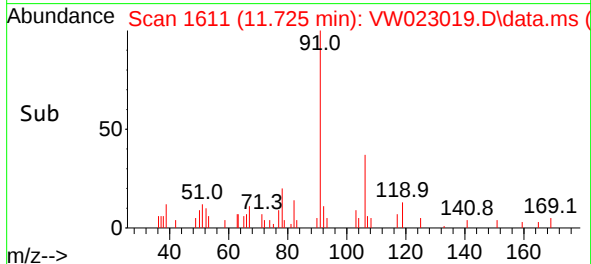
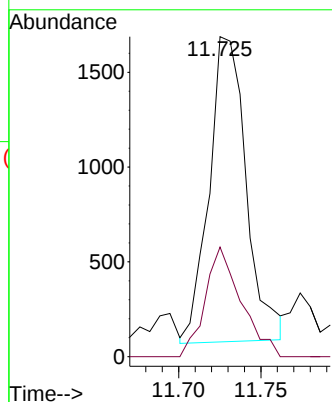
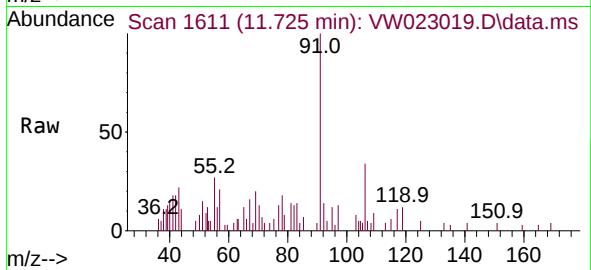




#52  
Ethylbenzene  
Concen: 0.751 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. -0.000 min  
Lab File: VW023019.D  
Acq: 13 May 2022 11:56

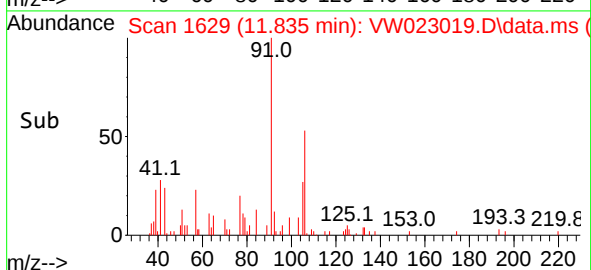
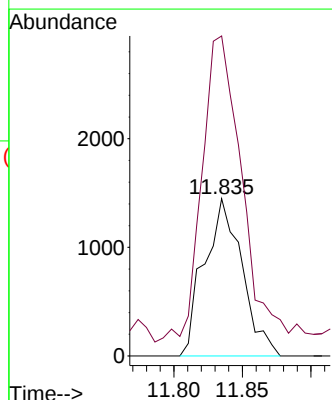
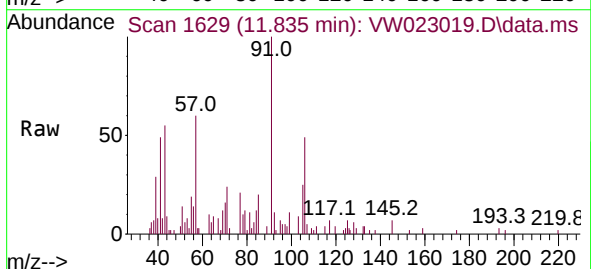
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW4G8RE

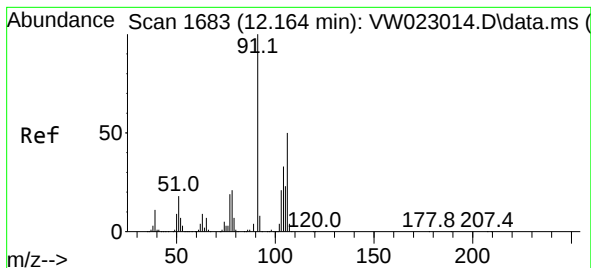
Tgt Ion: 91 Resp: 2531  
Ion Ratio Lower Upper  
91 100  
106 34.2 22.3 41.3



#53  
m,p-Xylene  
Concen: 2.090 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VW023019.D  
Acq: 13 May 2022 11:56

Tgt Ion:106 Resp: 2776  
Ion Ratio Lower Upper  
106 100  
91 203.5 136.8 254.0





#54

o-Xylene

Concen: 1.196 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023019.D

Acq: 13 May 2022 11:56

Instrument :

MSVOA\_W

ClientSampleId :

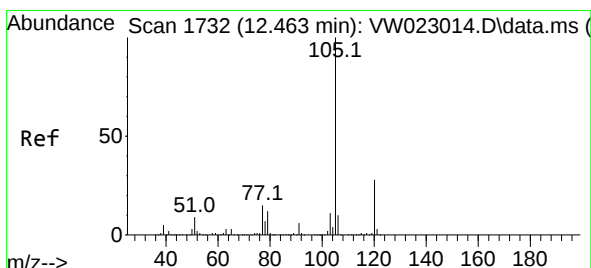
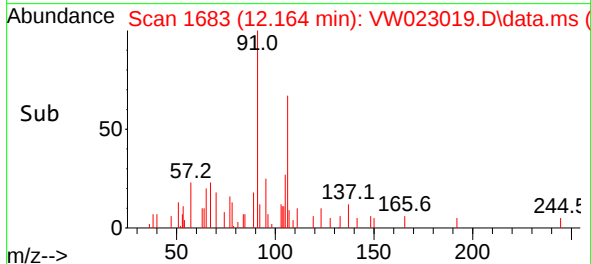
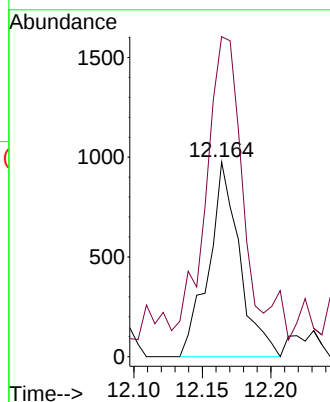
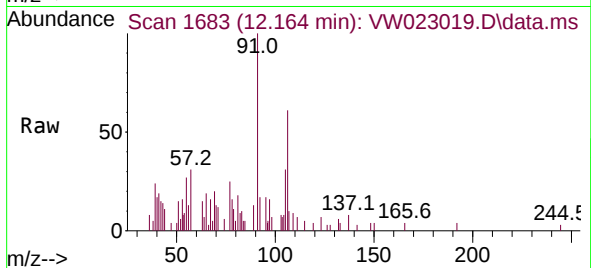
EW4G8RE

Tgt Ion:106 Resp: 1525

Ion Ratio Lower Upper

106 100

91 164.3 147.2 273.4



#60

Isopropylbenzene

Concen: 2.347 ug/L

RT: 12.865 min Scan# 1798

Delta R.T. 0.402 min

Lab File: VW023019.D

Acq: 13 May 2022 11:56

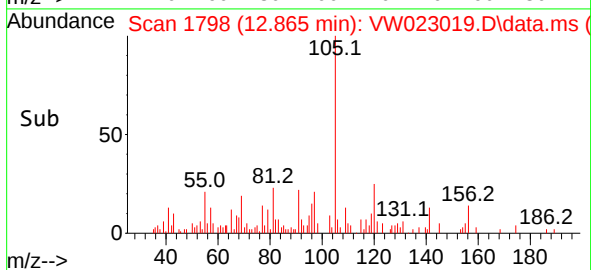
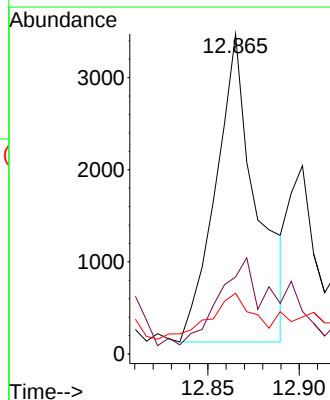
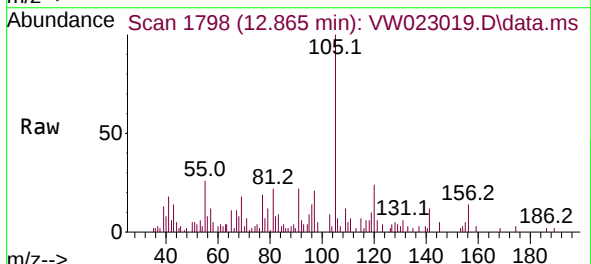
Tgt Ion:105 Resp: 5147

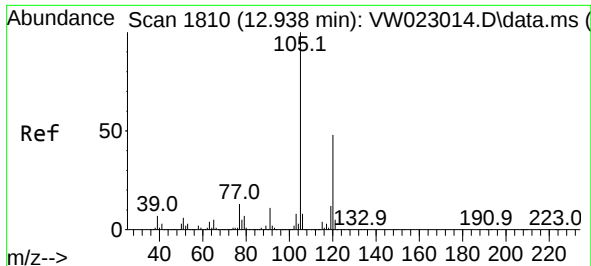
Ion Ratio Lower Upper

105 100

120 25.5 21.3 31.9

77 16.0 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 10.797 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.311 min

Lab File: VW023019.D

Acq: 13 May 2022 11:56

Instrument :

MSVOA\_W

ClientSampleId :

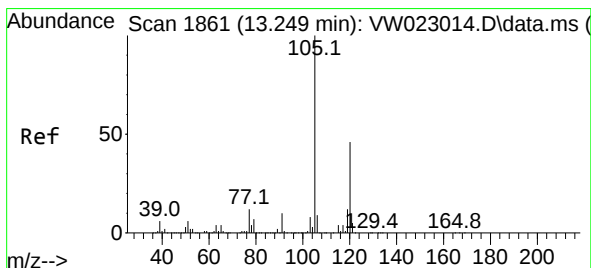
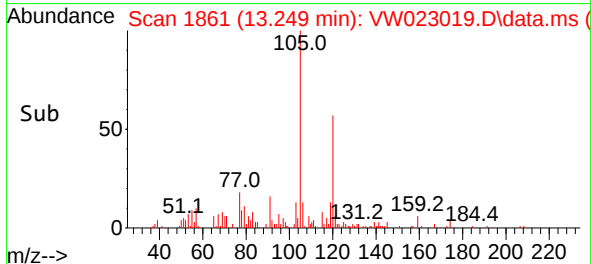
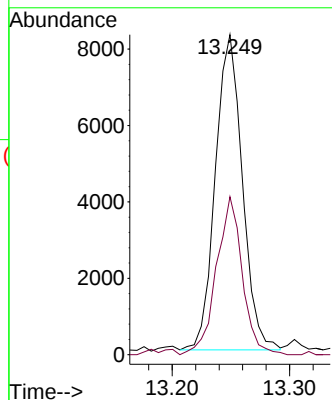
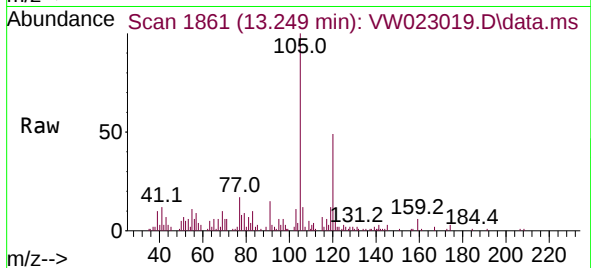
EW4G8RE

Tgt Ion:105 Resp: 13172

Ion Ratio Lower Upper

105 100

120 48.0 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 7.191 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW023019.D

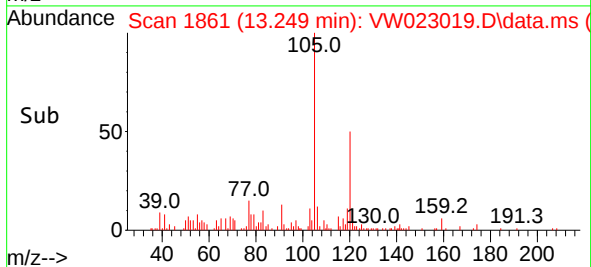
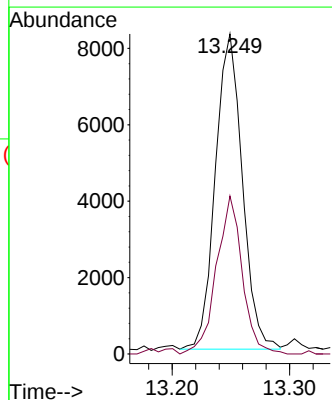
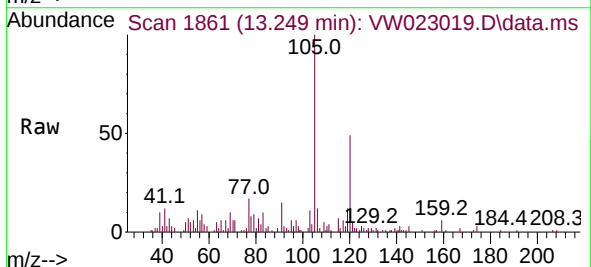
Acq: 13 May 2022 11:56

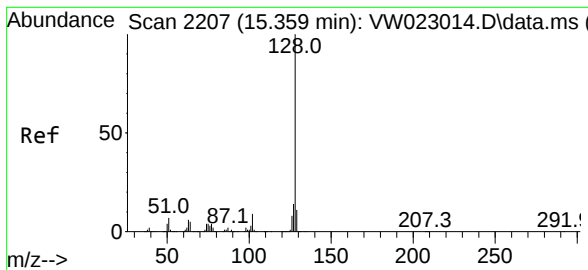
Tgt Ion:105 Resp: 13172

Ion Ratio Lower Upper

105 100

120 48.0 37.4 56.2





#71  
Naphthalene  
Concen: 2.623 ug/L  
RT: 15.359 min Scan# 21  
Delta R.T. -0.000 min  
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Acq: 13 May 2022 11:56

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MSVOA\_W  
ClientSampleId :  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 2980  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 3.9   | 10.6  | 16.0# |
| 129       | 9.7   | 8.7   | 13.1  |

