

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
 Data File : VY018834.D  
 Acq On : 16 Jul 2024 16:03  
 Operator : SY/MD  
 Sample : P3246-24  
 Misc : 7.80g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-CTW2-BL-05-G

Quant Time: Jul 17 01:57:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 Response via : Initial Calibration

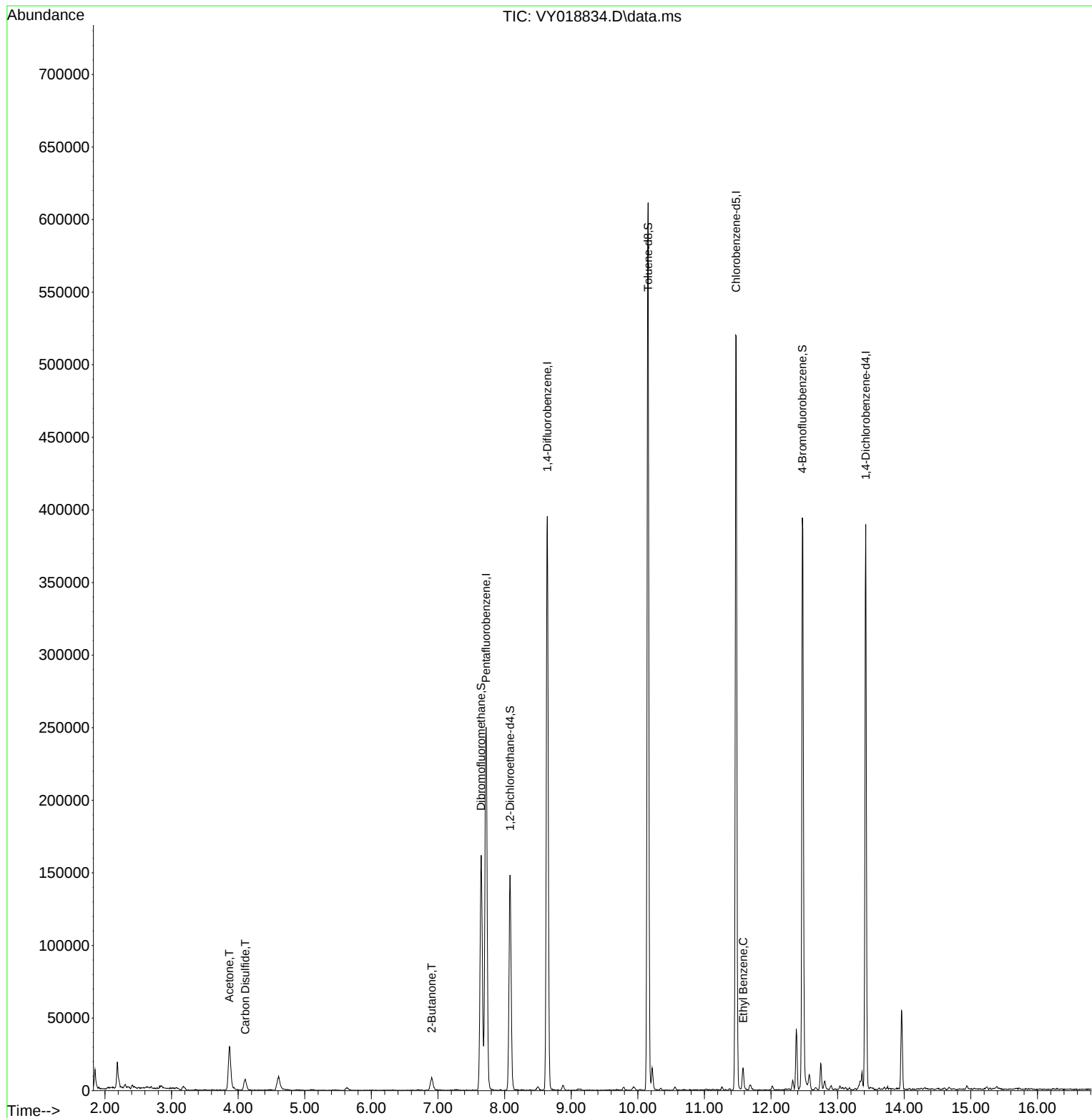
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.722     | 168   | 205215   | 50.000   | ug/l   | -0.06    |
| 34) 1,4-Difluorobenzene     | 8.642     | 114   | 349663   | 50.000   | ug/l   | -0.04    |
| 63) Chlorobenzene-d5        | 11.477    | 117   | 293199   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 95510    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.081     | 65    | 112456   | 55.689   | ug/l   | -0.05    |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | =      | 111.380% |
| 35) Dibromofluoromethane    | 7.649     | 113   | 112868   | 51.538   | ug/l   | -0.05    |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | =      | 103.080% |
| 50) Toluene-d8              | 10.154    | 98    | 394398   | 47.535   | ug/l   | -0.02    |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | =      | 95.060%  |
| 62) 4-Bromofluorobenzene    | 12.471    | 95    | 111404   | 39.317   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | =      | 78.640%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 3.869     | 43    | 50914    | 136.758  | ug/l # | 87       |
| 17) Carbon Disulfide        | 4.107     | 76    | 13580    | 2.446    | ug/l # | 92       |
| 25) 2-Butanone              | 6.905     | 43    | 14219    | 27.247   | ug/l   | 96       |
| 67) Ethyl Benzene           | 11.581    | 91    | 10865    | 1.003    | ug/l   | 94       |
| -----                       |           |       |          |          |        |          |

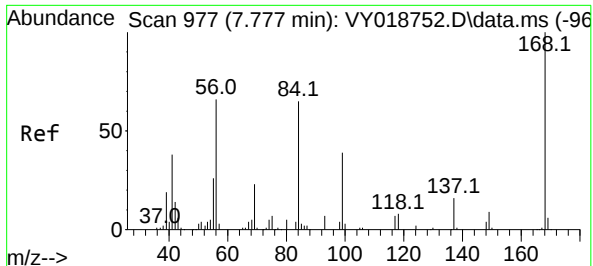
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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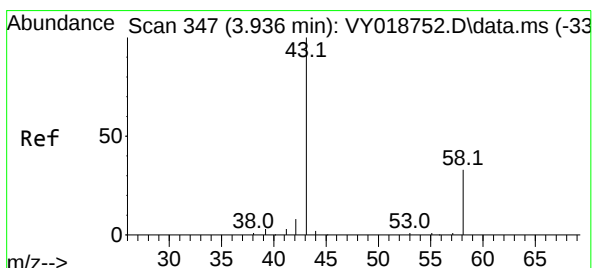
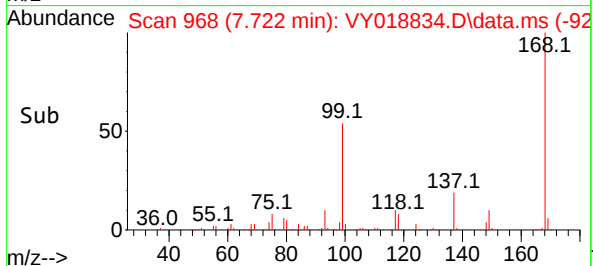
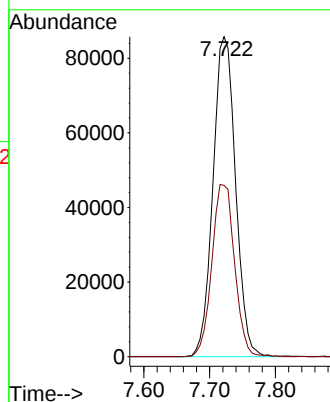
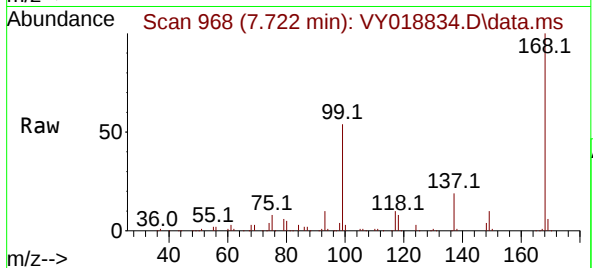




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. -0.055 min  
Lab File: VY018834.D  
Acq: 16 Jul 2024 16:03

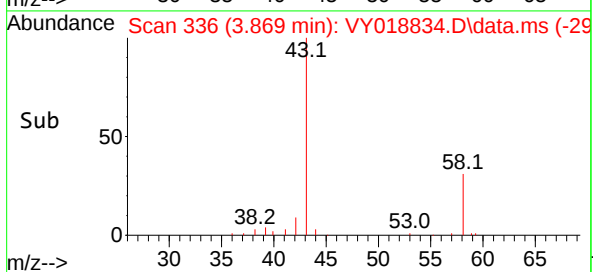
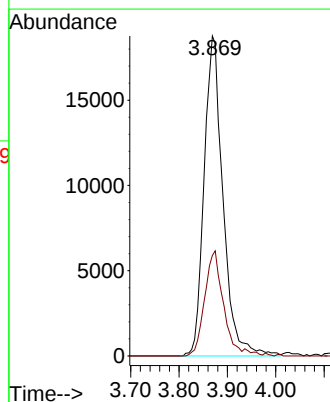
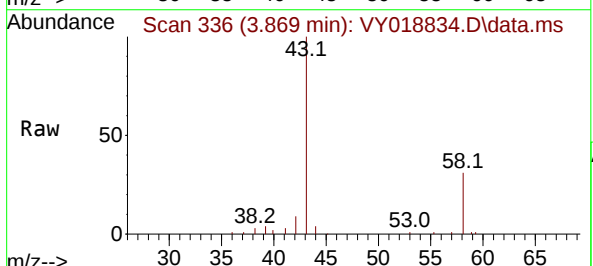
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-CTW2-BL-05-G

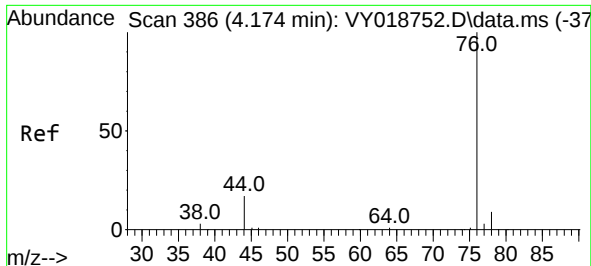
Tgt Ion:168 Resp: 205215  
Ion Ratio Lower Upper  
168 100  
99 53.5 39.1 58.7



#16  
Acetone  
Concen: 136.758 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.067 min  
Lab File: VY018834.D  
Acq: 16 Jul 2024 16:03

Tgt Ion: 43 Resp: 50914  
Ion Ratio Lower Upper  
43 100  
58 31.4 31.7 47.5#

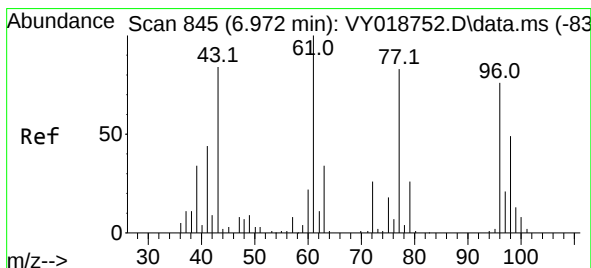
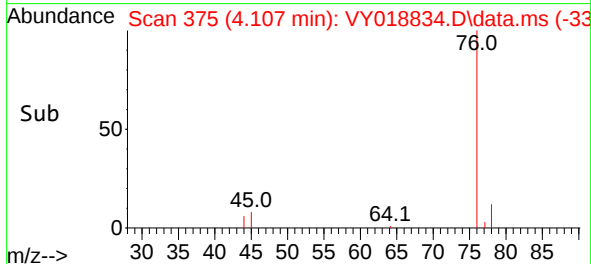
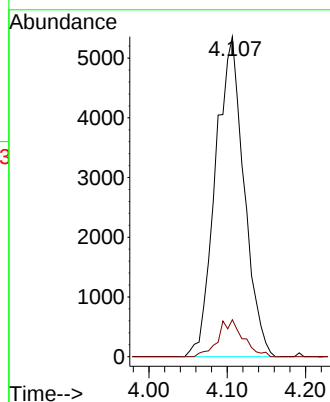
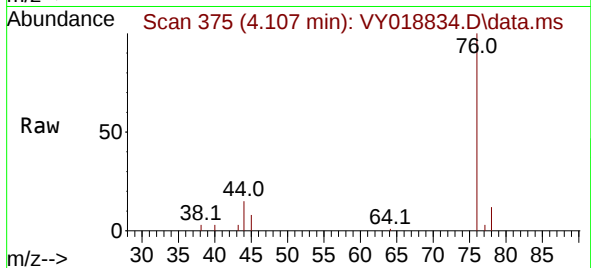




#17  
Carbon Disulfide  
Concen: 2.446 ug/l  
RT: 4.107 min Scan# 31  
Delta R.T. -0.067 min  
Lab File: VY018834.D  
Acq: 16 Jul 2024 16:03

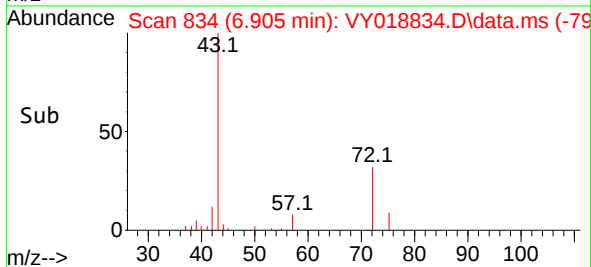
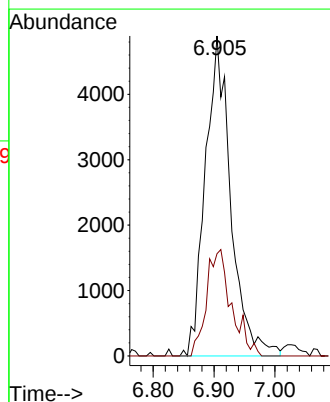
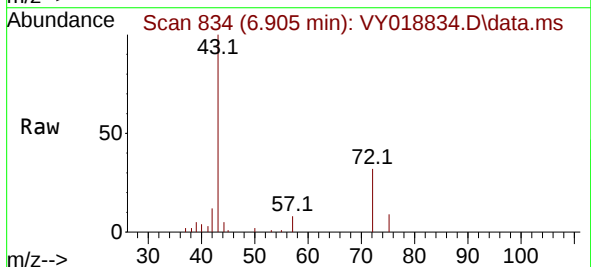
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-CTW2-BL-05-G

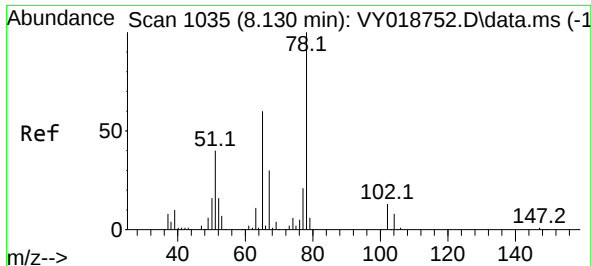
Tgt Ion: 76 Resp: 13580  
Ion Ratio Lower Upper  
76 100  
78 11.5 6.8 10.2#



#25  
2-Butanone  
Concen: 27.247 ug/l  
RT: 6.905 min Scan# 834  
Delta R.T. -0.067 min  
Lab File: VY018834.D  
Acq: 16 Jul 2024 16:03

Tgt Ion: 43 Resp: 14219  
Ion Ratio Lower Upper  
43 100  
72 32.0 27.3 40.9





#33

1,2-Dichloroethane-d4

Concen: 55.689 ug/l

RT: 8.081 min Scan# 1109

Delta R.T. -0.049 min

Lab File: VY018834.D

Acq: 16 Jul 2024 16:03

Instrument :

MSVOA\_Y

ClientSampleId :

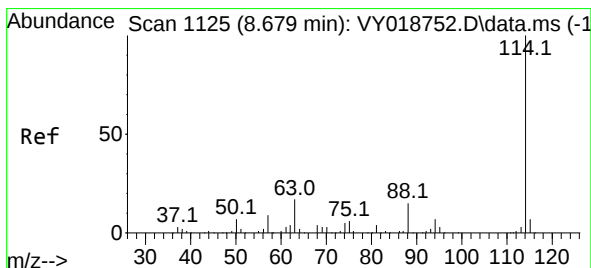
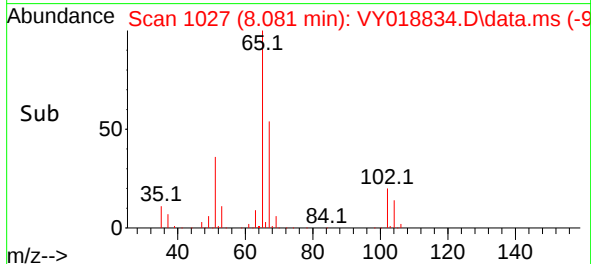
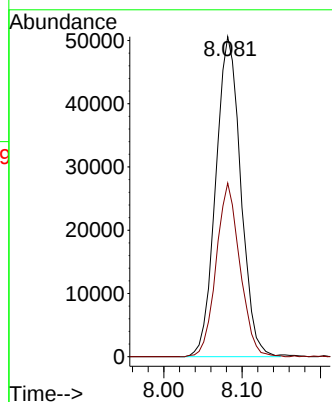
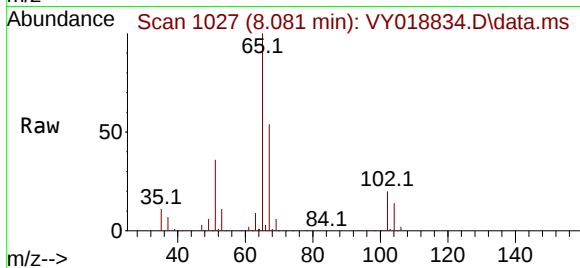
WC-CTW2-BL-05-G

Tgt Ion: 65 Resp: 112456

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.642 min Scan# 1119

Delta R.T. -0.037 min

Lab File: VY018834.D

Acq: 16 Jul 2024 16:03

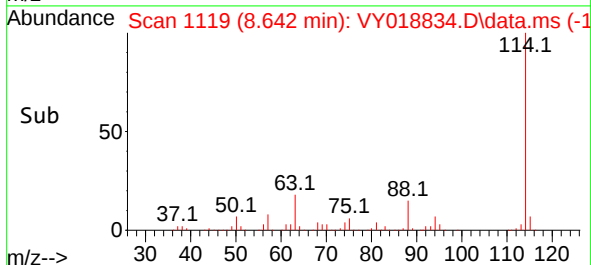
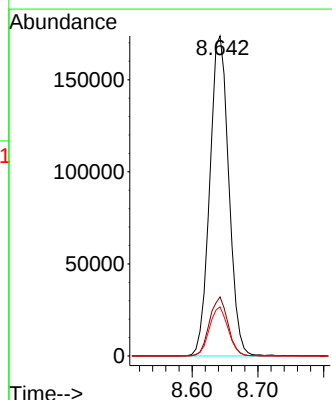
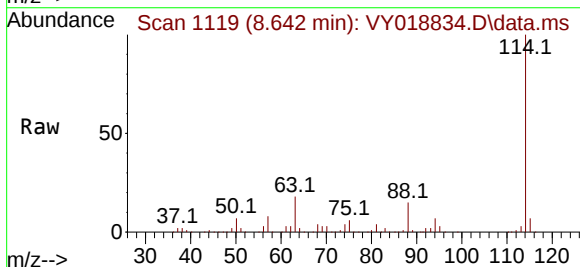
Tgt Ion: 114 Resp: 349663

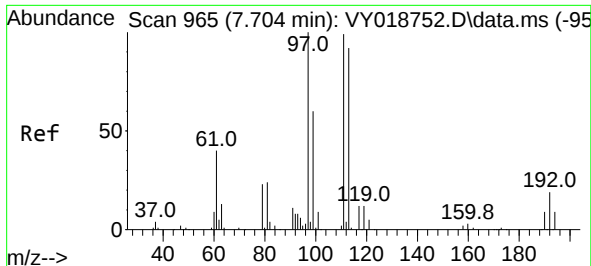
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 15.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.538 ug/l

RT: 7.649 min Scan# 91

Delta R.T. -0.055 min

Lab File: VY018834.D

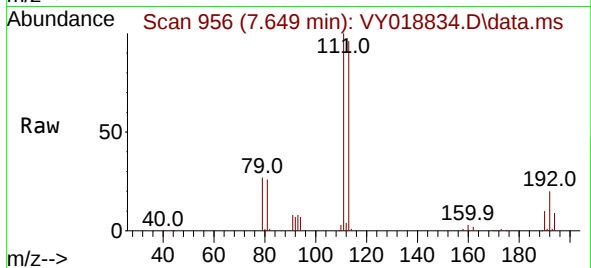
Acq: 16 Jul 2024 16:03

Instrument :

MSVOA\_Y

ClientSampleId :

WC-CTW2-BL-05-G



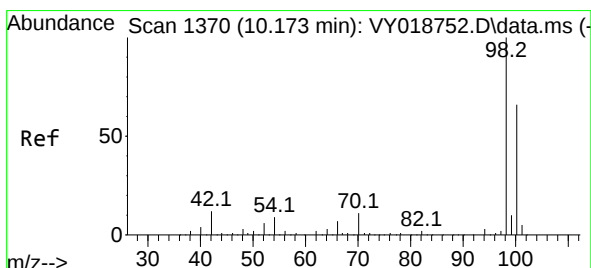
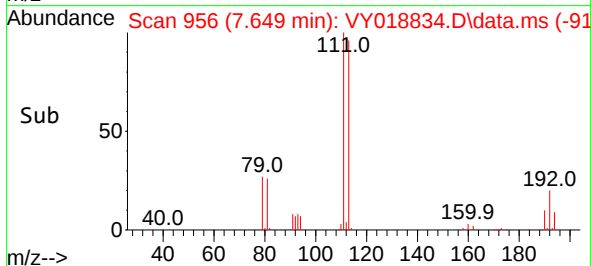
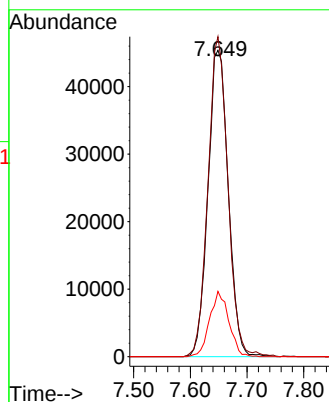
Tgt Ion:113 Resp: 112868

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 20.2 15.9 23.9



#50

Toluene-d8

Concen: 47.535 ug/l

RT: 10.154 min Scan# 1367

Delta R.T. -0.018 min

Lab File: VY018834.D

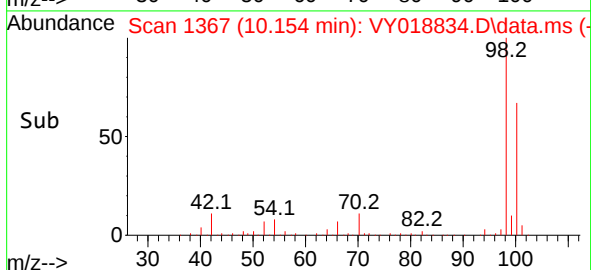
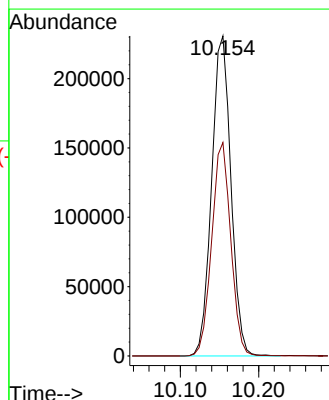
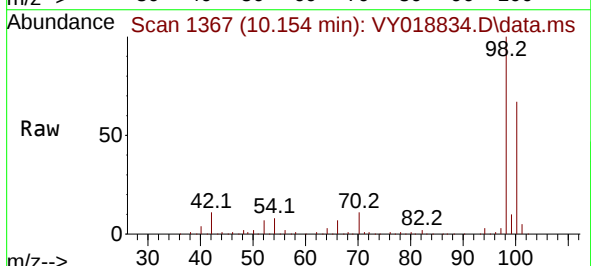
Acq: 16 Jul 2024 16:03

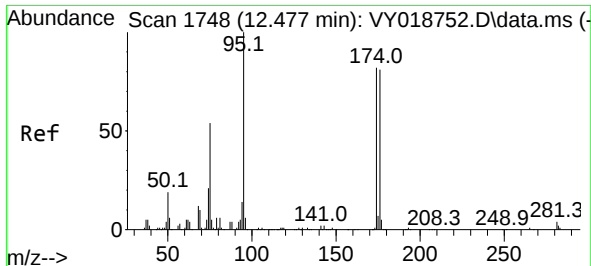
Tgt Ion: 98 Resp: 394398

Ion Ratio Lower Upper

98 100

100 65.9 52.0 78.0

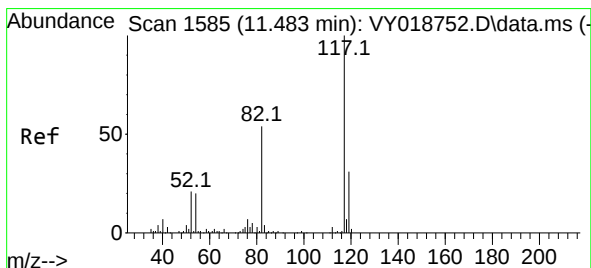
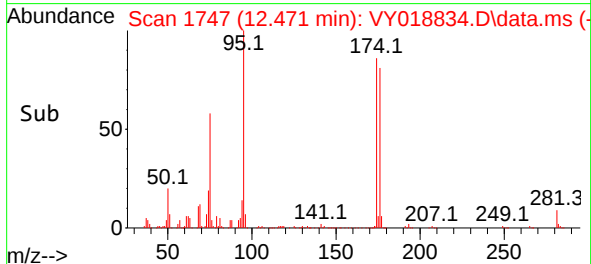
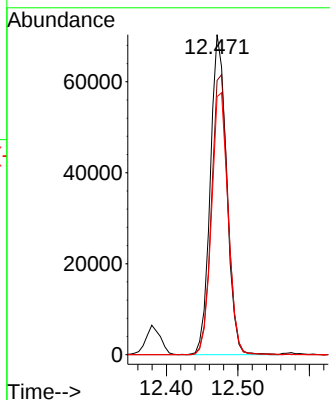
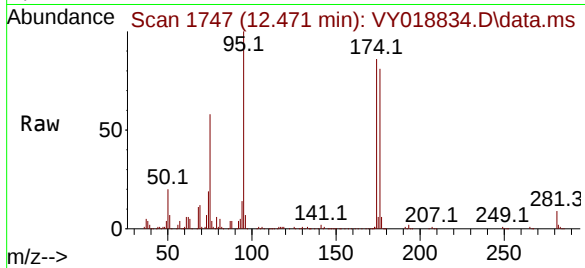




#62  
4-Bromofluorobenzene  
Concen: 39.317 ug/l  
RT: 12.471 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY018834.D  
Acq: 16 Jul 2024 16:03

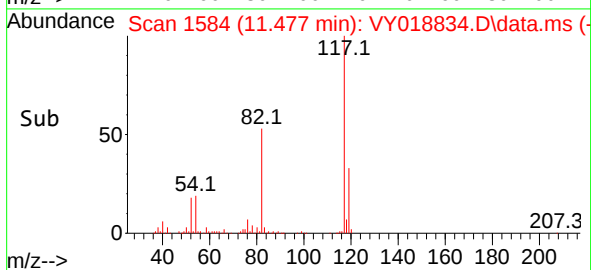
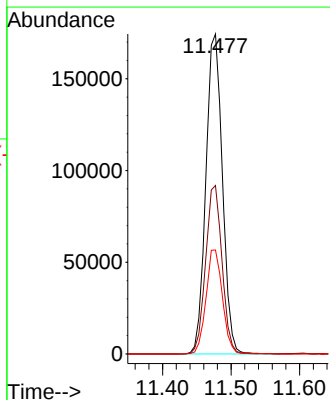
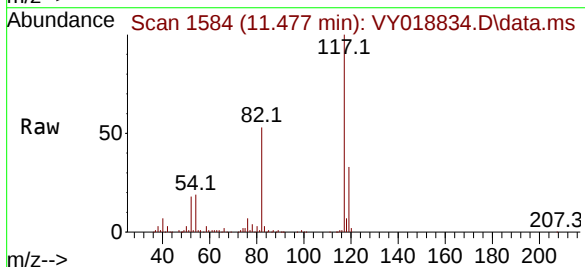
Instrument :  
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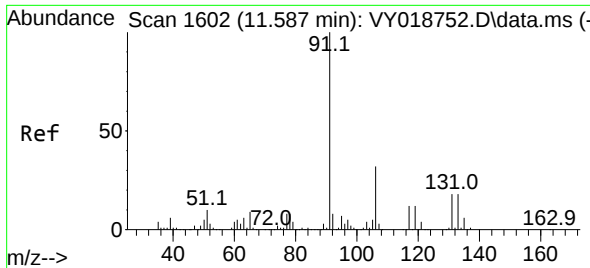
Tgt Ion: 95 Resp: 111404  
Ion Ratio Lower Upper  
95 100  
174 88.3 0.0 175.6  
176 83.0 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.477 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: VY018834.D  
Acq: 16 Jul 2024 16:03

Tgt Ion: 117 Resp: 293199  
Ion Ratio Lower Upper  
117 100  
82 52.7 42.4 63.6  
119 32.5 25.9 38.9

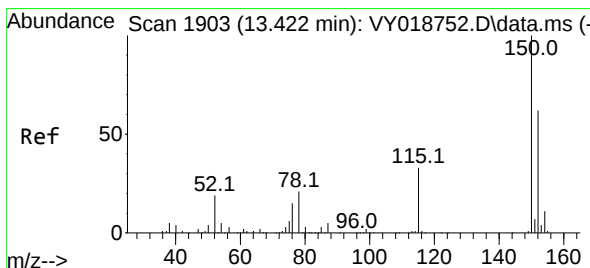
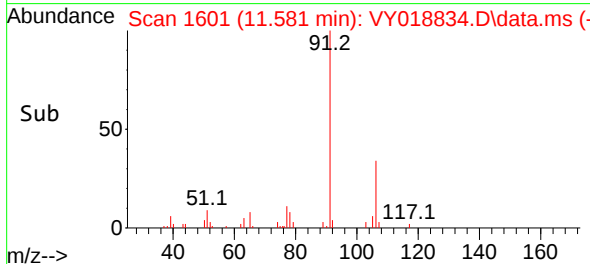
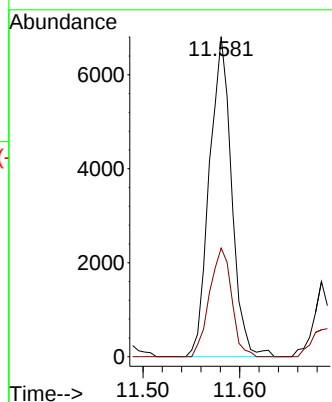
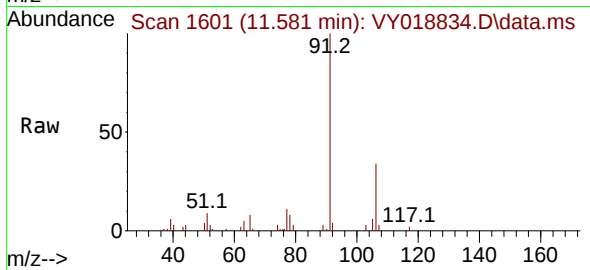




#67  
Ethyl Benzene  
Concen: 1.003 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VY018834.D  
Acq: 16 Jul 2024 16:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-CTW2-BL-05-G

Tgt Ion: 91 Resp: 10865  
Ion Ratio Lower Upper  
91 100  
106 34.0 24.5 36.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY018834.D  
Acq: 16 Jul 2024 16:03

Tgt Ion:152 Resp: 95510  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.2 84.7  
150 160.1 0.0 345.6

