

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062323\  
 Data File : VY014418.D  
 Acq On : 23 Jun 2023 19:22  
 Operator : KP/MD  
 Sample : 03388-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-05-062223

Quant Time: Jun 23 23:14:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 23 17:18:46 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 127151   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 192826   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 178376   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 89397    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 82873    | 52.495   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 104.980% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 60353    | 50.661   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.320% |
| 50) Toluene-d8              | 10.185 | 98    | 227448   | 48.029   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.060%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 72079    | 42.634   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 85.260%  |

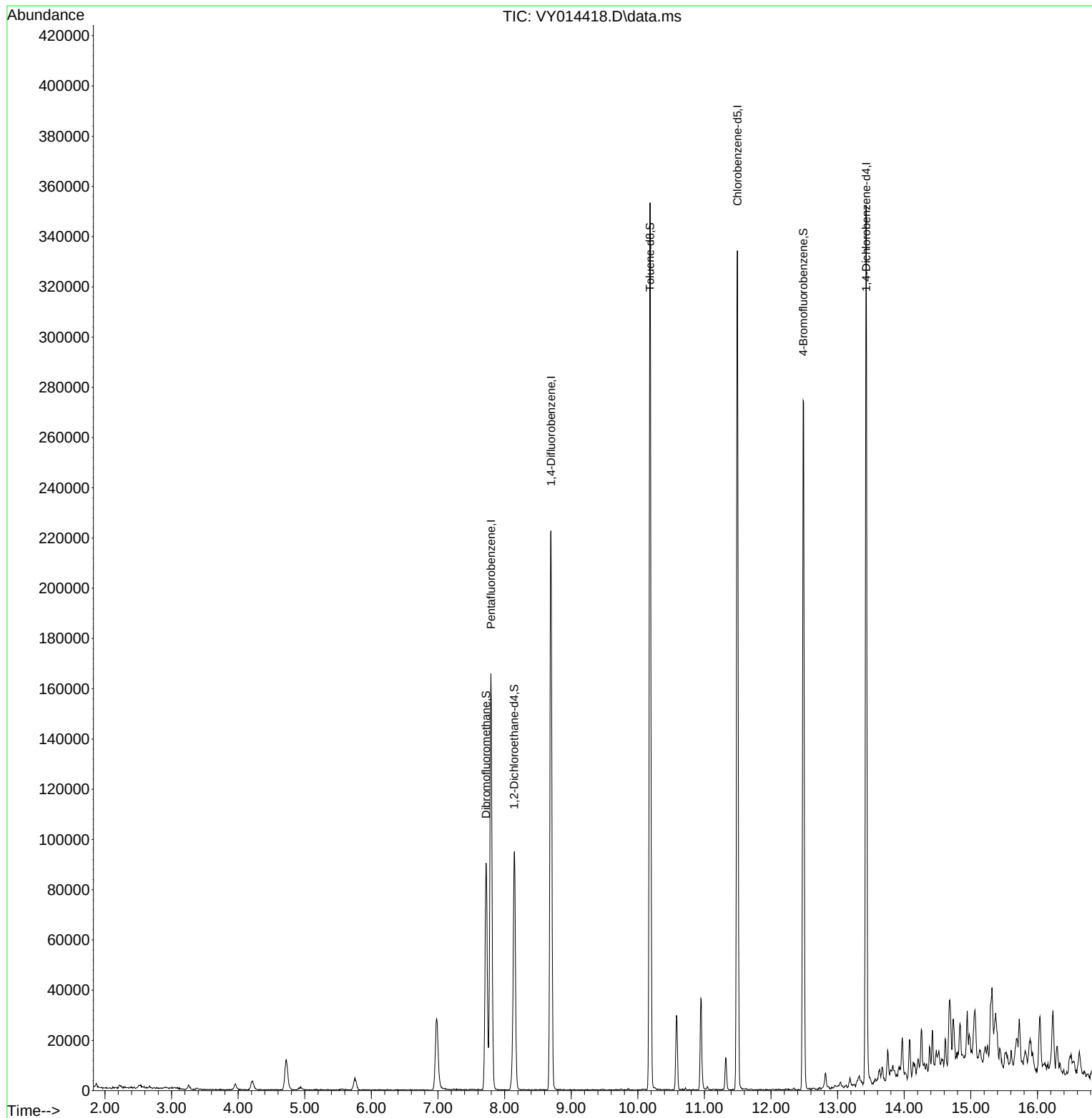
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

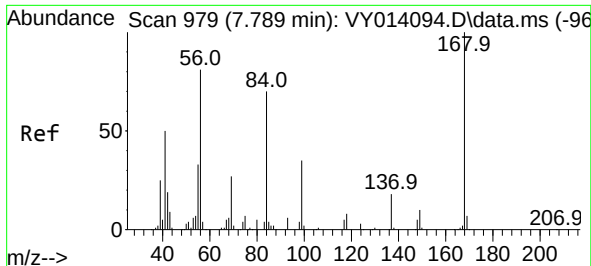
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062323\  
Data File : VY014418.D  
Acq On : 23 Jun 2023 19:22  
Operator : KP/MD  
Sample : 03388-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-062223

Quant Time: Jun 23 23:14:57 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 23 17:18:46 2023  
Response via : Initial Calibration

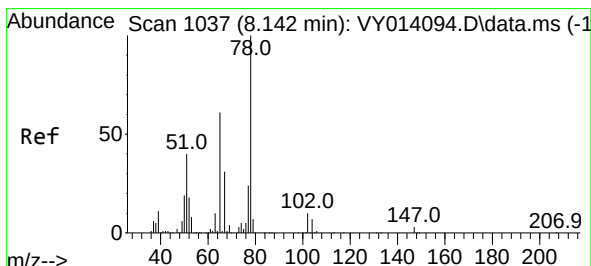
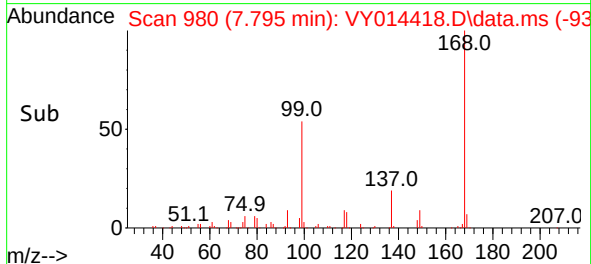
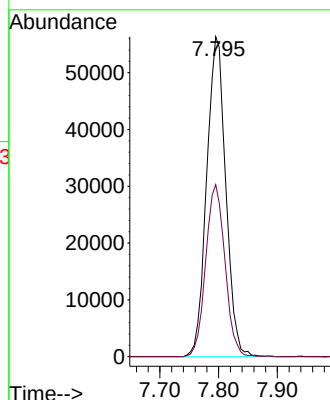
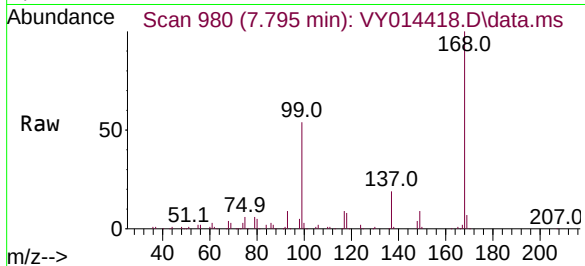




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014418.D  
Acq: 23 Jun 2023 19:22

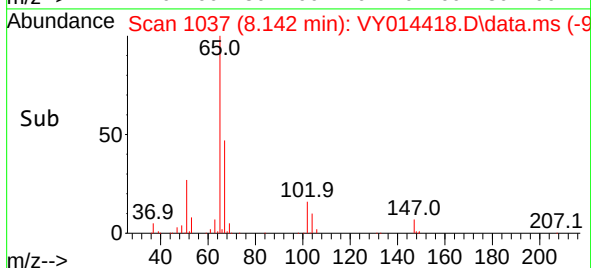
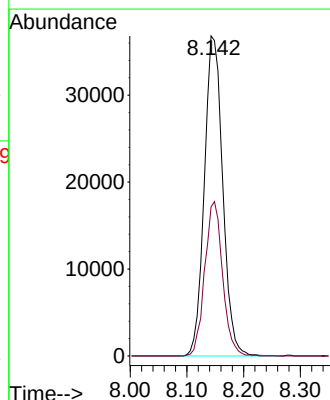
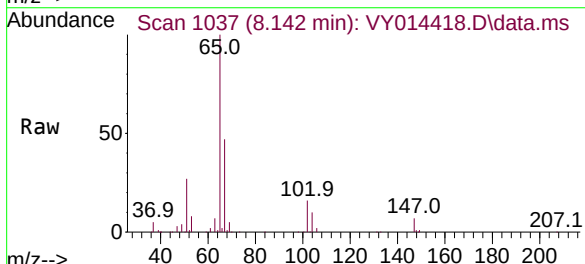
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-062223

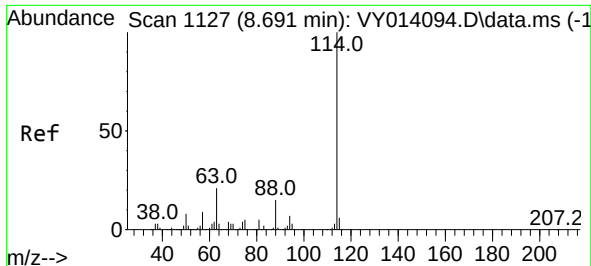
Tgt Ion:168 Resp: 127151  
Ion Ratio Lower Upper  
168 100  
99 53.8 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 52.495 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY014418.D  
Acq: 23 Jun 2023 19:22

Tgt Ion: 65 Resp: 82873  
Ion Ratio Lower Upper  
65 100  
67 46.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014418.D

Acq: 23 Jun 2023 19:22

Instrument :

MSVOA\_Y

ClientSampleId :

TR-05-062223

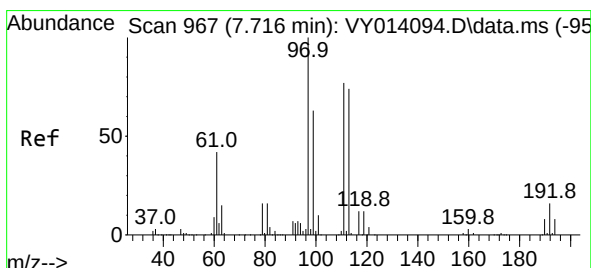
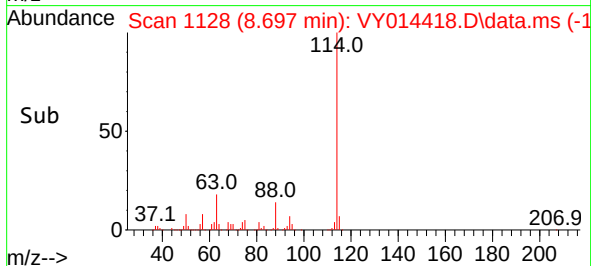
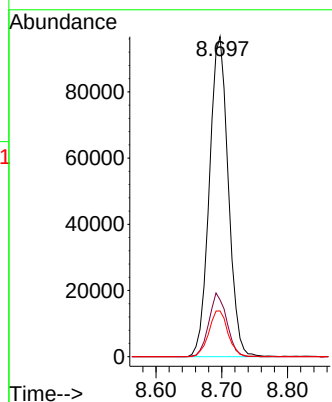
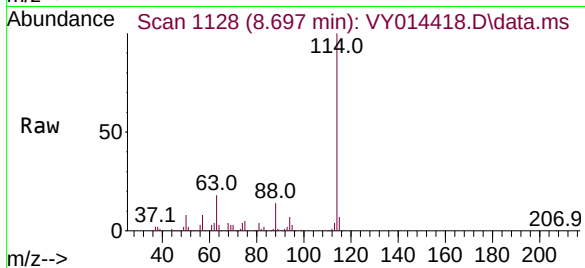
Tgt Ion:114 Resp: 192826

Ion Ratio Lower Upper

114 100

63 17.8 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.661 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014418.D

Acq: 23 Jun 2023 19:22

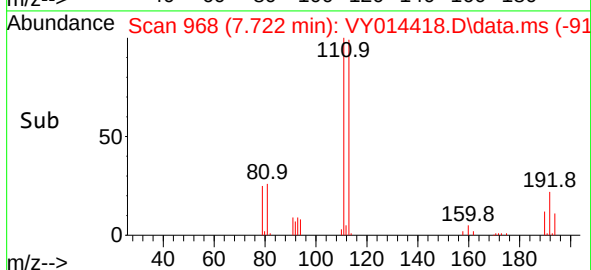
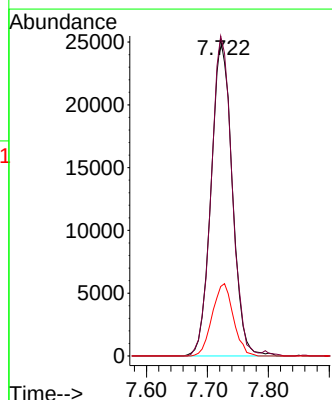
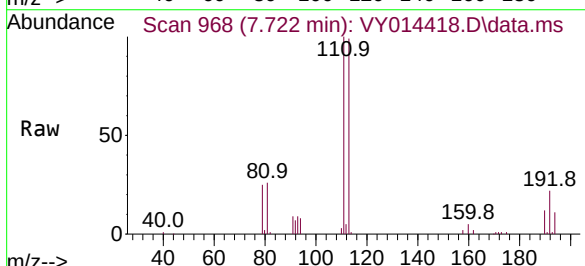
Tgt Ion:113 Resp: 60353

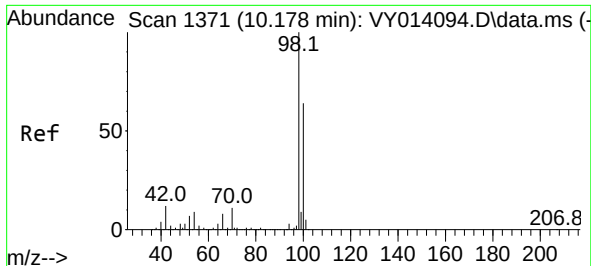
Ion Ratio Lower Upper

113 100

111 100.3 81.3 121.9

192 22.9 16.9 25.3

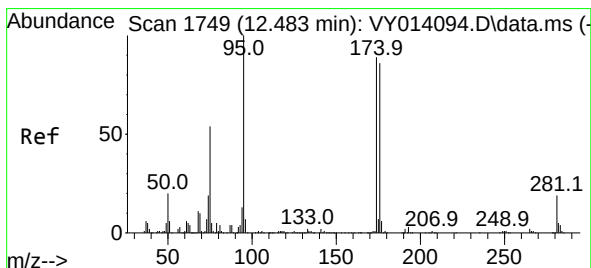
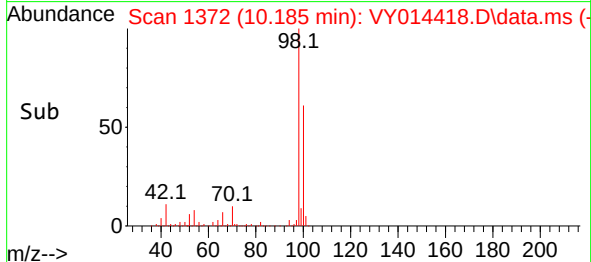
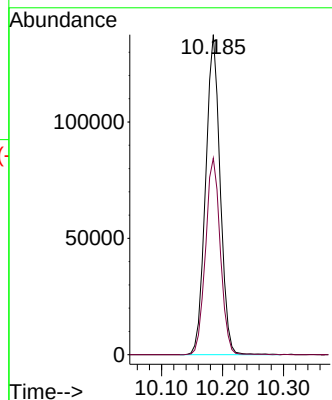
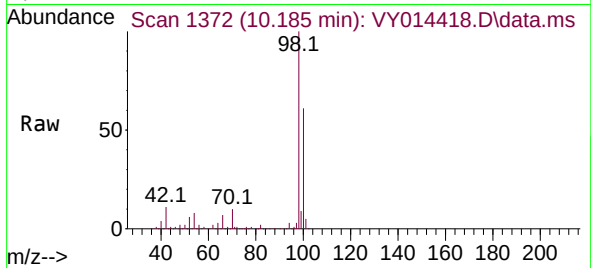




#50  
Toluene-d8  
Concen: 48.029 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.007 min  
Lab File: VY014418.D  
Acq: 23 Jun 2023 19:22

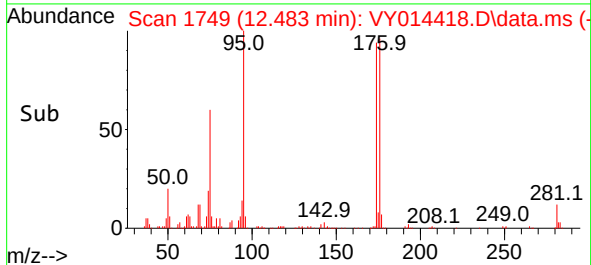
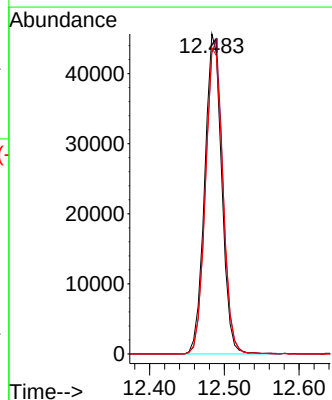
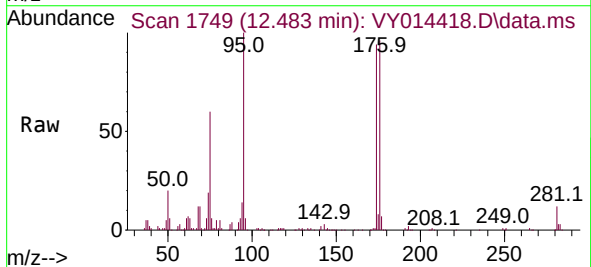
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-062223

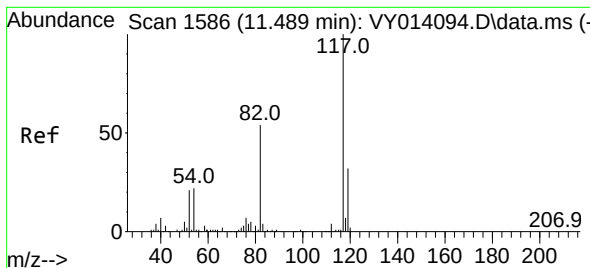
Tgt Ion: 98 Resp: 227448  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 42.634 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY014418.D  
Acq: 23 Jun 2023 19:22

Tgt Ion: 95 Resp: 72079  
Ion Ratio Lower Upper  
95 100  
174 99.7 0.0 178.2  
176 97.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014418.D

Acq: 23 Jun 2023 19:22

Instrument :

MSVOA\_Y

ClientSampleId :

TR-05-062223

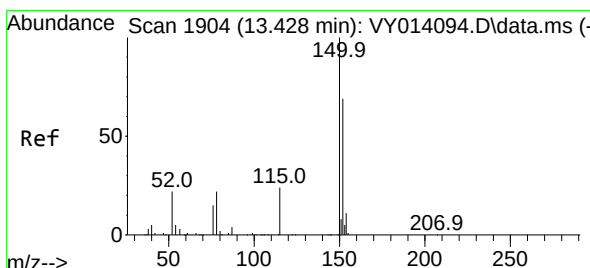
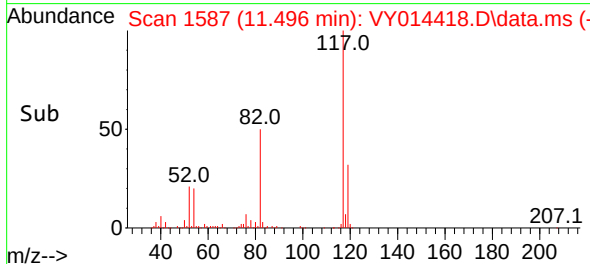
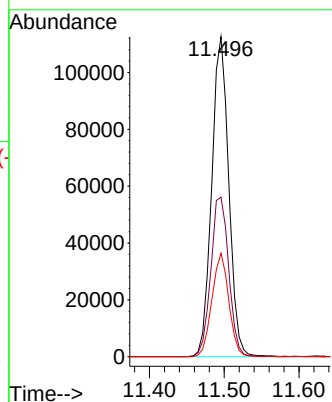
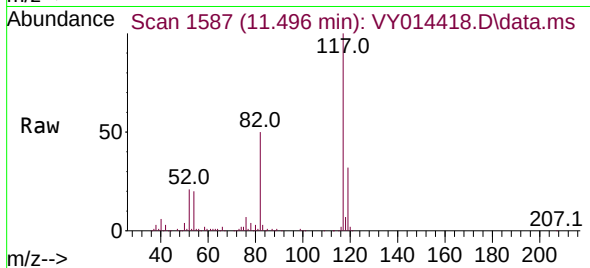
Tgt Ion:117 Resp: 178376

Ion Ratio Lower Upper

117 100

82 49.8 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014418.D

Acq: 23 Jun 2023 19:22

Tgt Ion:152 Resp: 89397

Ion Ratio Lower Upper

152 100

115 54.8 28.8 86.5

150 155.3 0.0 348.8

