

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010323\  
 Data File : VY012037.D  
 Acq On : 03 Jan 2023 11:28  
 Operator : KP/MD  
 Sample : VY0103SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0103SBL01

Quant Time: Jan 04 01:15:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 20 12:37:37 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 149681   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 234864   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 212623   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 106568   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 82648    | 54.806   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.620% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 70136    | 49.603   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.200%  |
| 50) Toluene-d8              | 10.179 | 98    | 265344   | 46.254   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 92.500%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 88582    | 45.912   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 91.820%  |

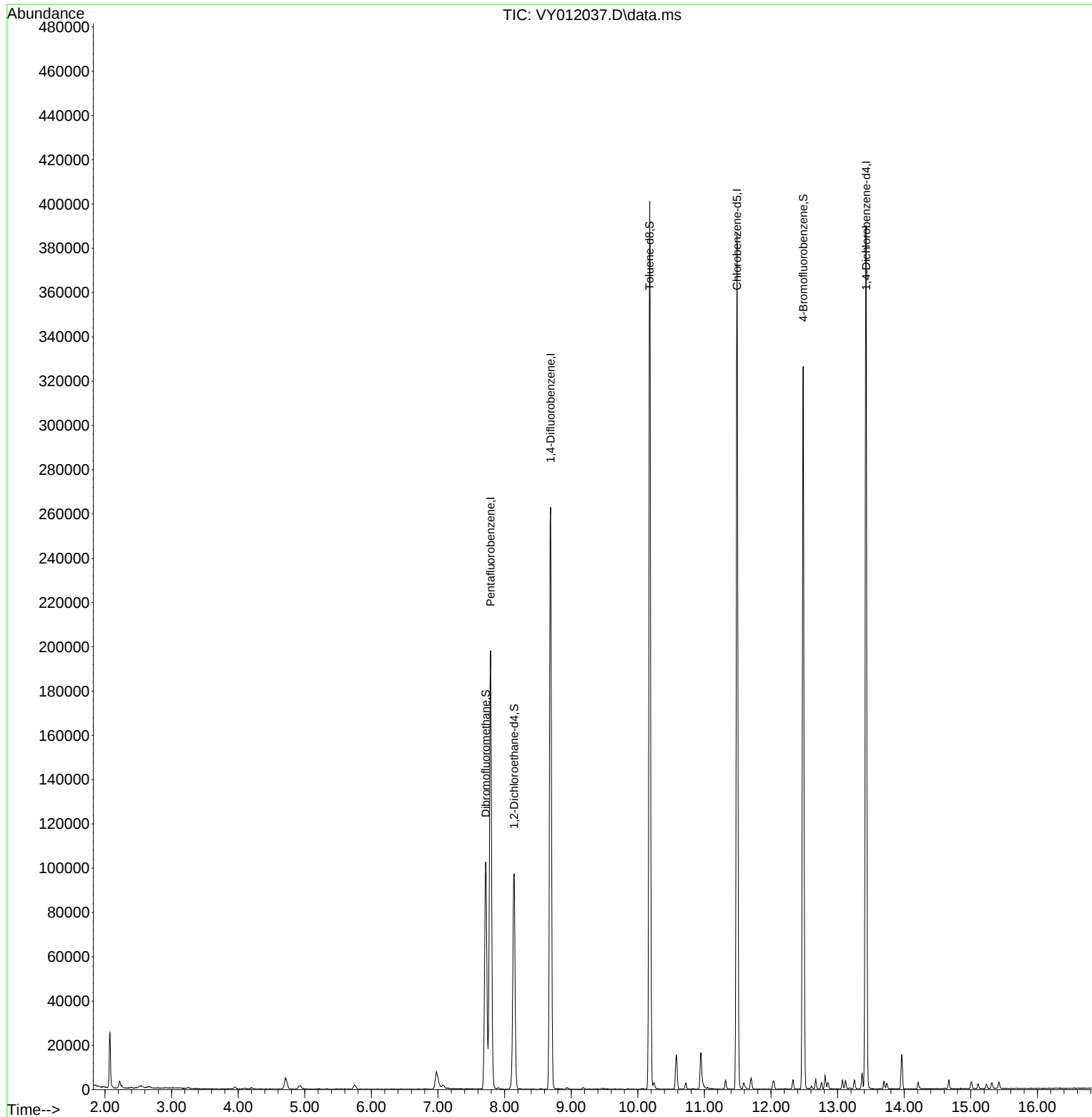
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

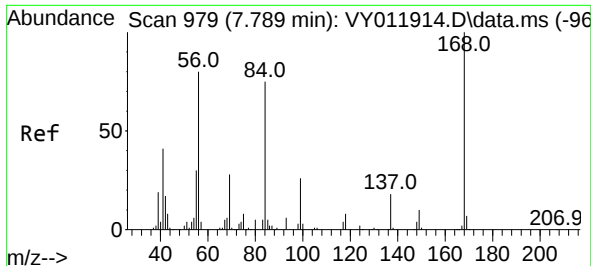
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Dec 20 12:37:37 2022  
Response via : Initial Calibration

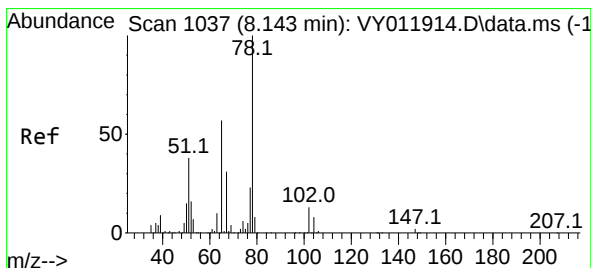
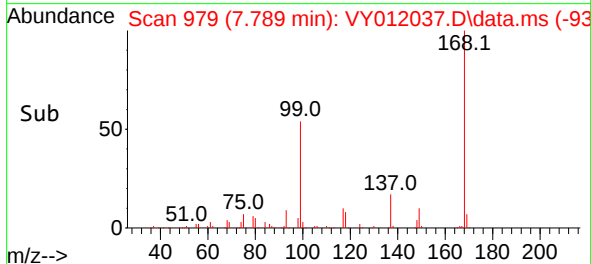
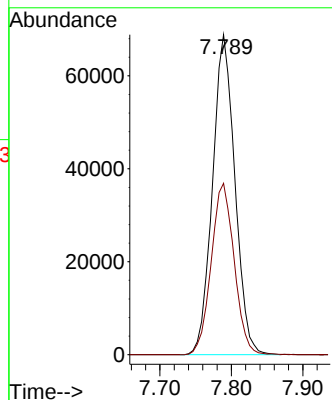
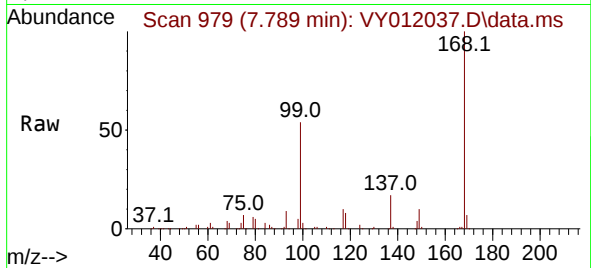




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012037.D  
Acq: 03 Jan 2023 11:28

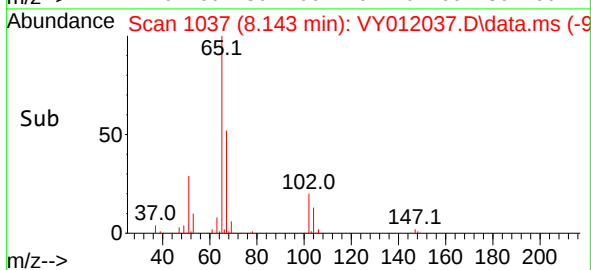
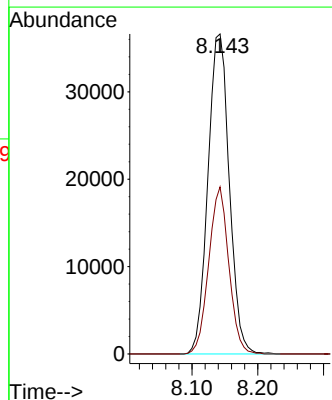
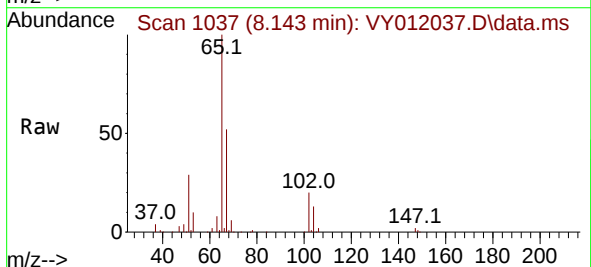
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0103SBL01

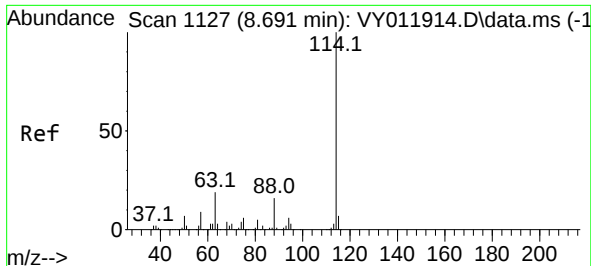
Tgt Ion:168 Resp: 149681  
Ion Ratio Lower Upper  
168 100  
99 53.5 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 54.806 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012037.D  
Acq: 03 Jan 2023 11:28

Tgt Ion: 65 Resp: 82648  
Ion Ratio Lower Upper  
65 100  
67 49.1 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY0103SBL01

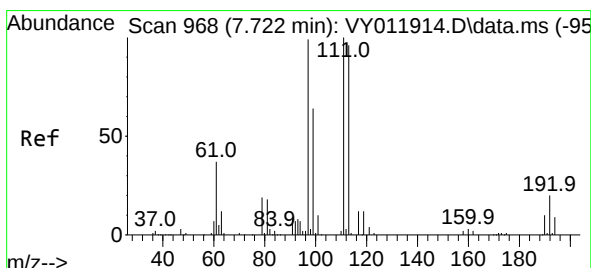
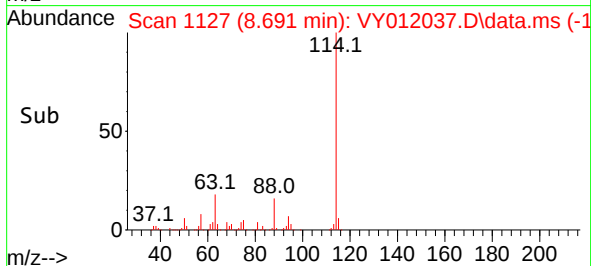
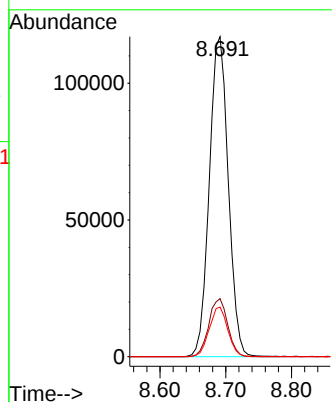
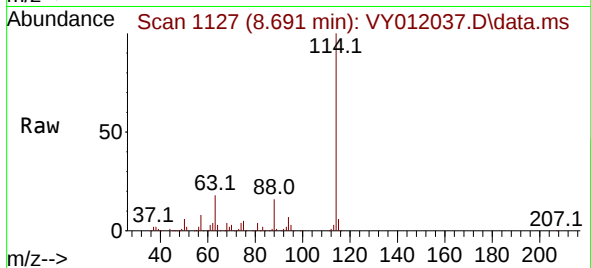
Tgt Ion:114 Resp: 234864

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.603 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

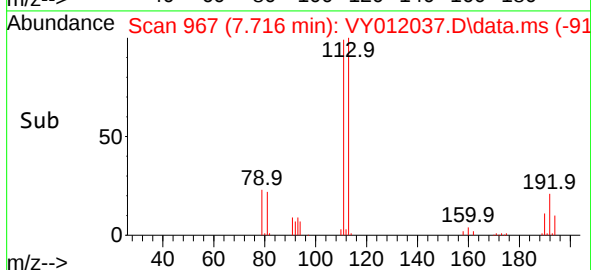
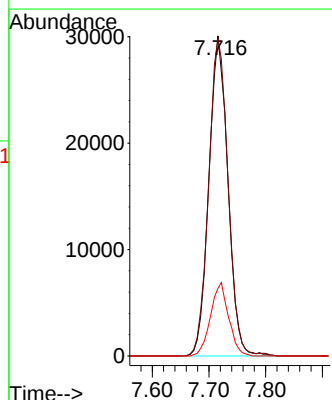
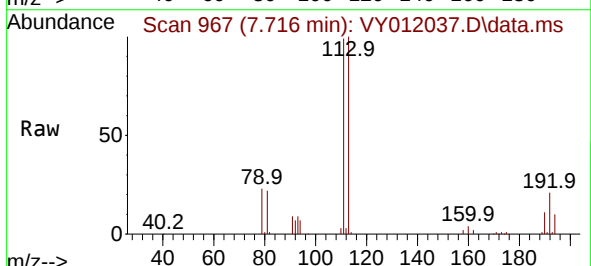
Tgt Ion:113 Resp: 70136

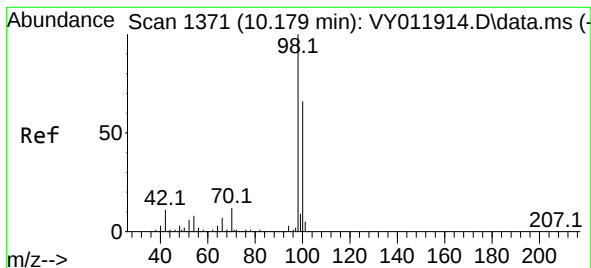
Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.4

192 21.8 16.0 24.0

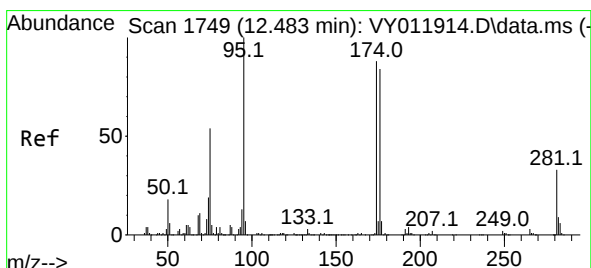
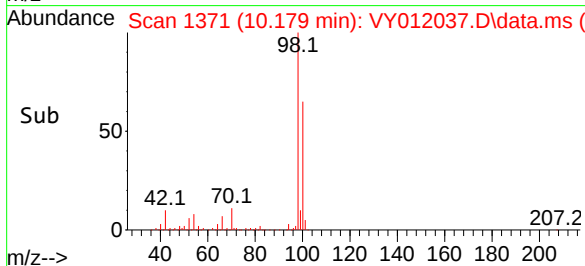
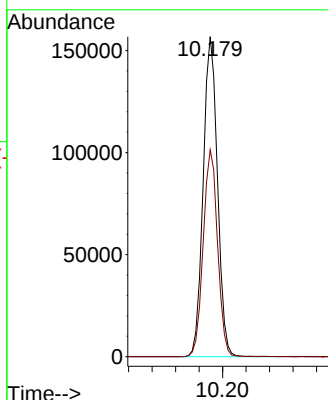
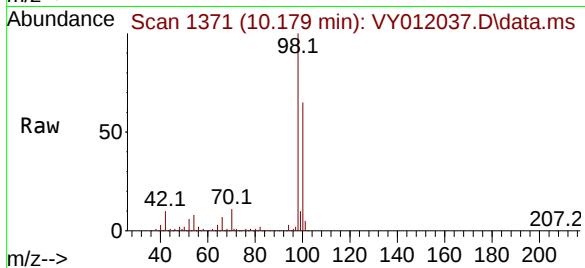




#50  
Toluene-d8  
Concen: 46.254 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012037.D  
Acq: 03 Jan 2023 11:28

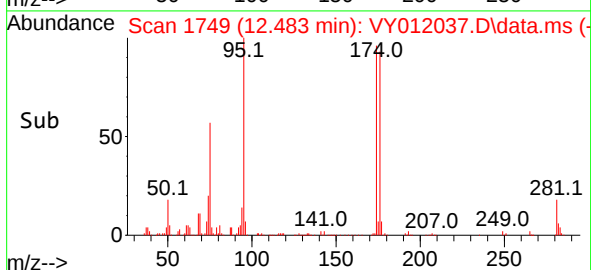
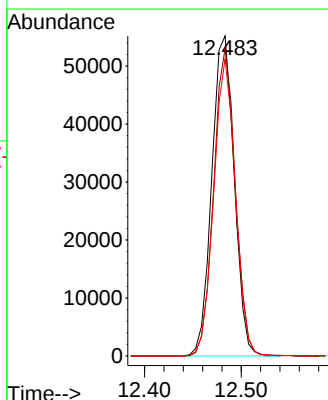
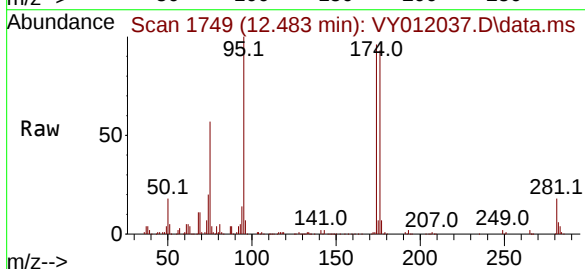
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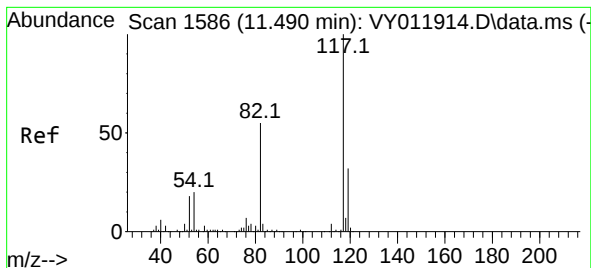
Tgt Ion: 98 Resp: 265344  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 45.912 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012037.D  
Acq: 03 Jan 2023 11:28

Tgt Ion: 95 Resp: 88582  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 172.0  
176 89.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY0103SBL01

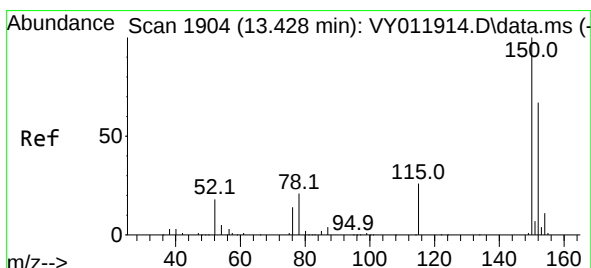
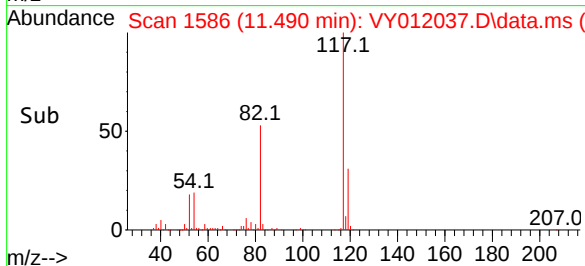
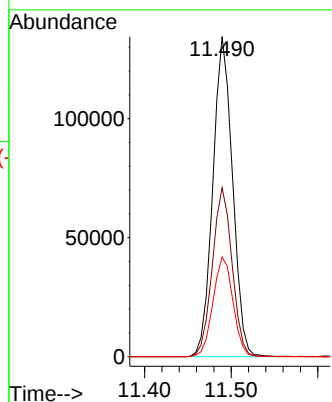
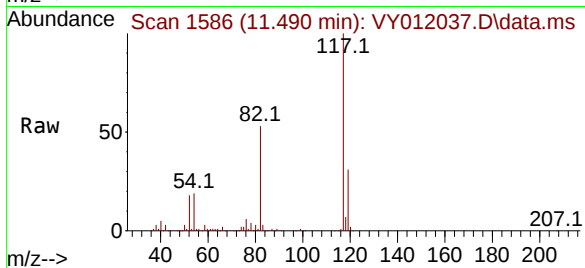
Tgt Ion:117 Resp: 212623

Ion Ratio Lower Upper

117 100

82 52.8 44.8 67.2

119 31.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012037.D

Acq: 03 Jan 2023 11:28

Tgt Ion:152 Resp: 106568

Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.3

150 157.7 0.0 342.6

