

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010323\  
 Data File : VY012041.D  
 Acq On : 03 Jan 2023 13:01  
 Operator : KP/MD  
 Sample : N6237-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-05-122922

Quant Time: Jan 04 01:16:59 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  | 73318    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 124357   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 119293   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 51981    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 45960    | 62.221   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 124.440% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 39945    | 53.355   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.700% |
| 50) Toluene-d8              | 10.179 | 98    | 150609   | 49.583   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.160%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 46851    | 45.861   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 91.720%  |

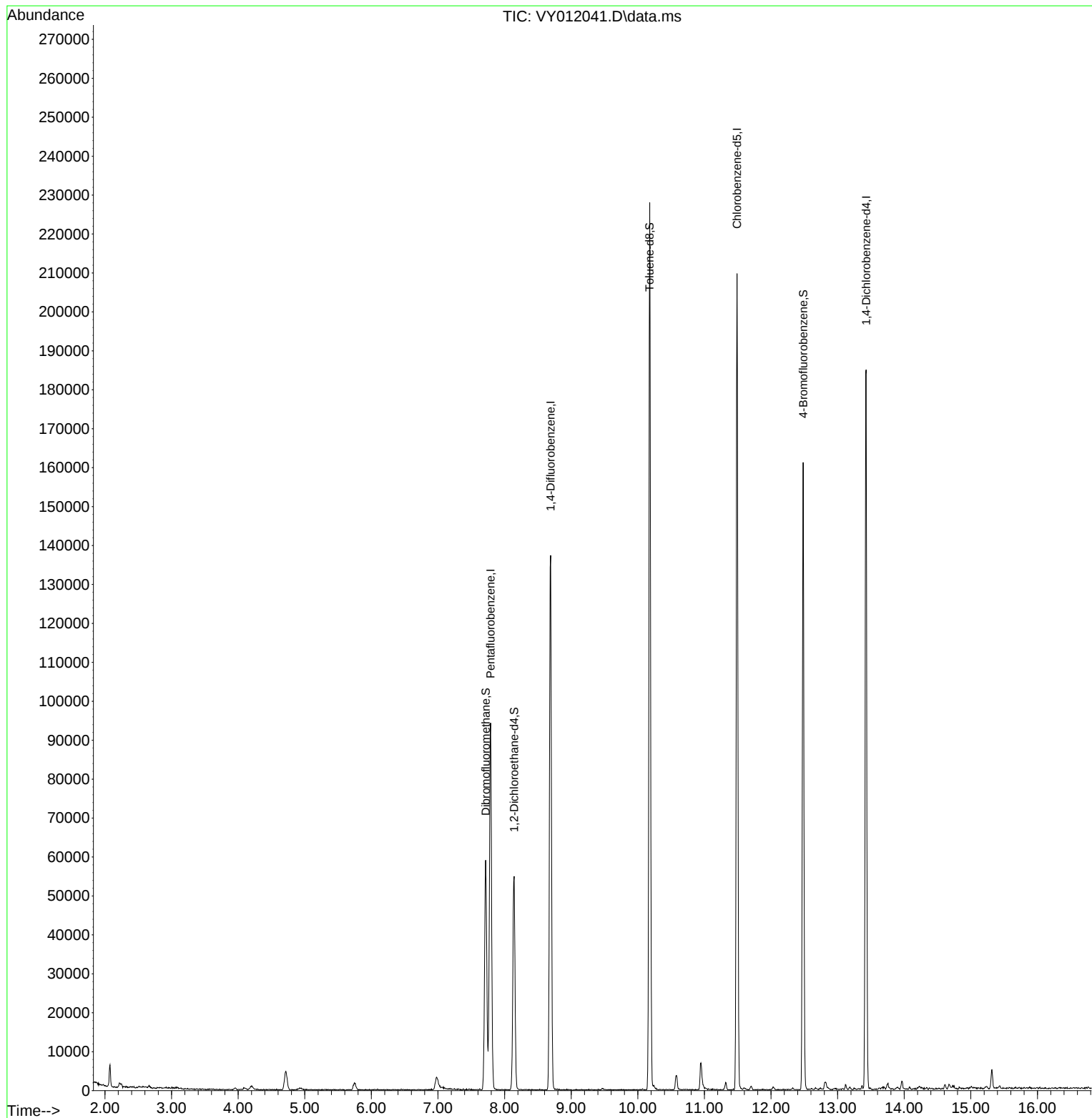
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

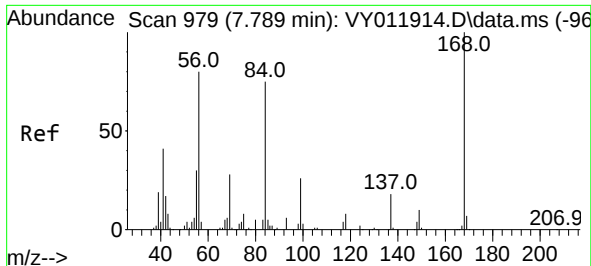
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

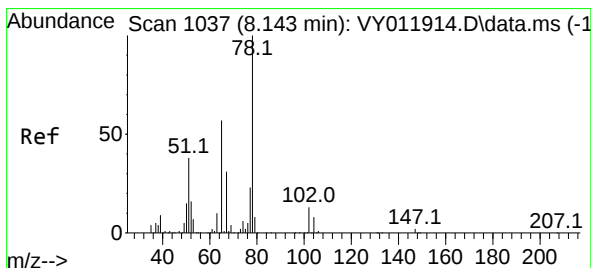
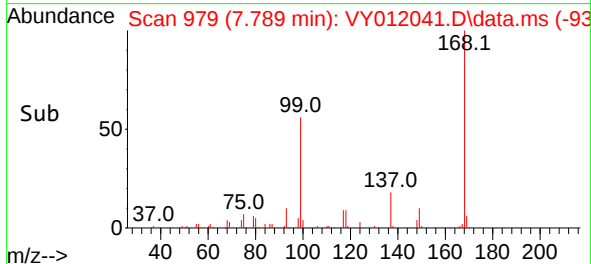
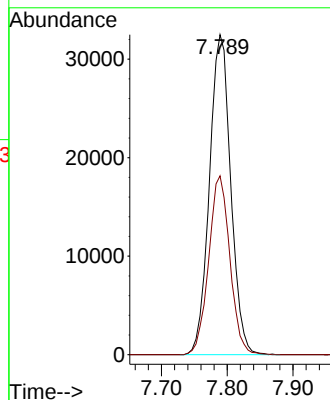
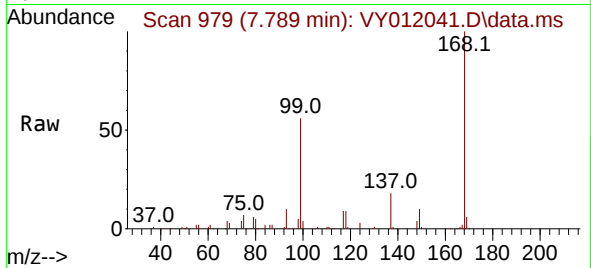




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012041.D  
Acq: 03 Jan 2023 13:01

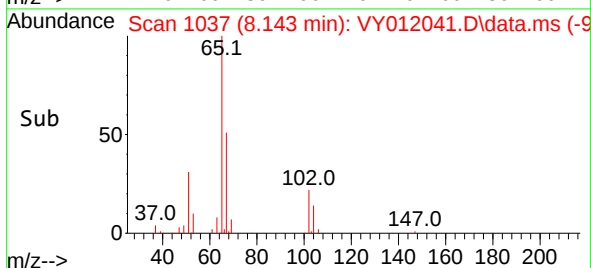
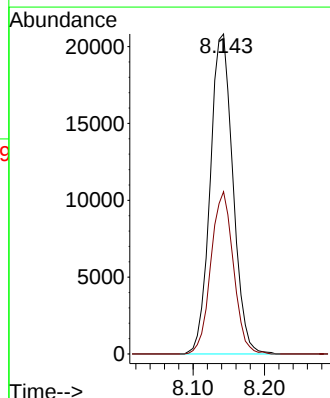
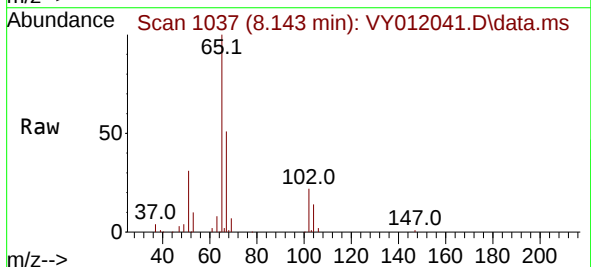
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-122922

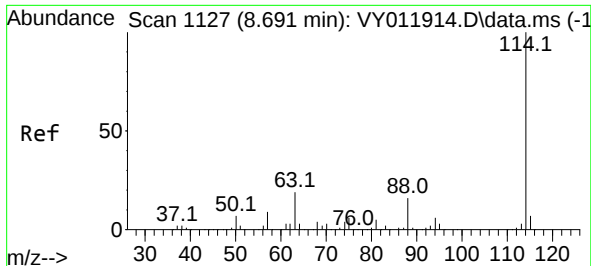
Tgt Ion:168 Resp: 73318  
Ion Ratio Lower Upper  
168 100  
99 55.9 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 62.221 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012041.D  
Acq: 03 Jan 2023 13:01

Tgt Ion: 65 Resp: 45960  
Ion Ratio Lower Upper  
65 100  
67 50.3 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: VY012041.D

Acq: 03 Jan 2023 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

TR-05-122922

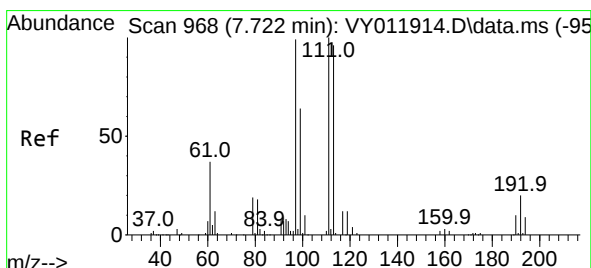
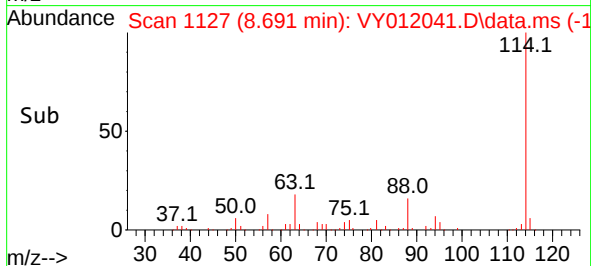
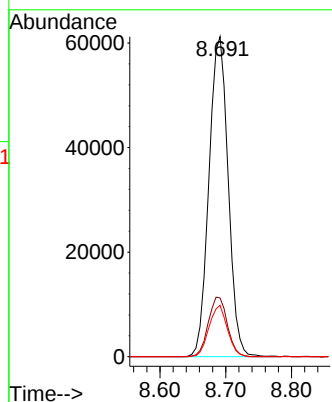
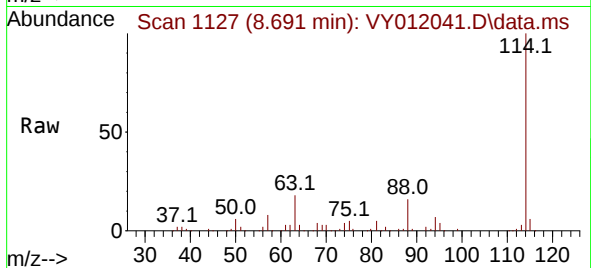
Tgt Ion:114 Resp: 124357

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 16.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.355 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012041.D

Acq: 03 Jan 2023 13:01

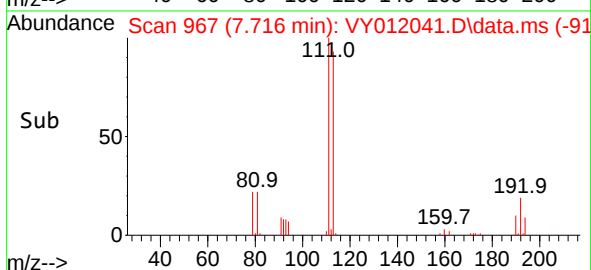
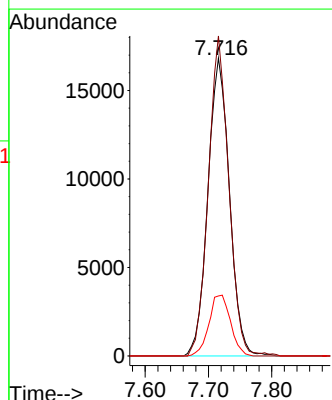
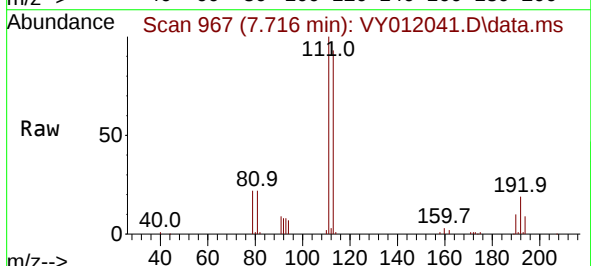
Tgt Ion:113 Resp: 39945

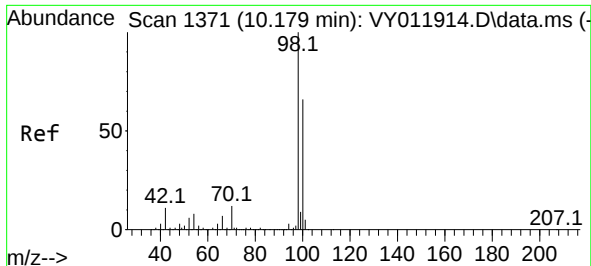
Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

192 20.4 16.0 24.0

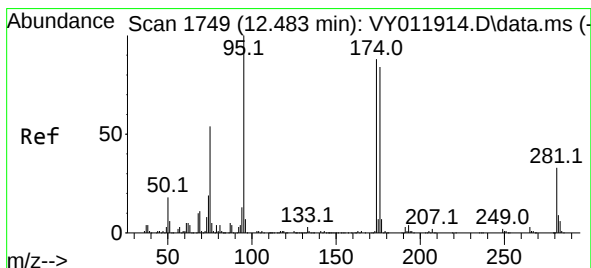
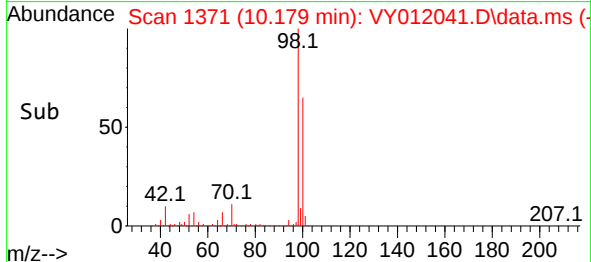
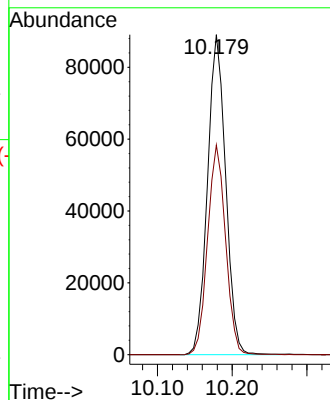
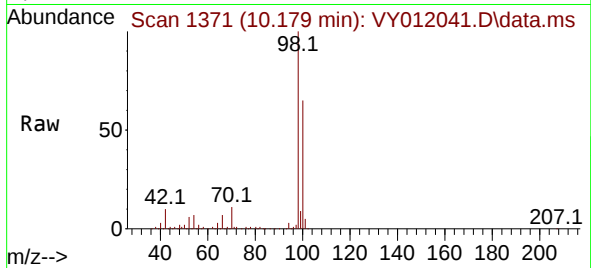




#50  
Toluene-d8  
Concen: 49.583 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012041.D  
Acq: 03 Jan 2023 13:01

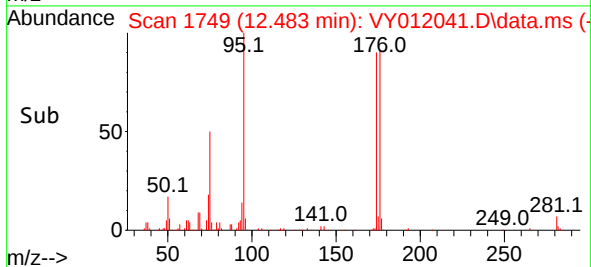
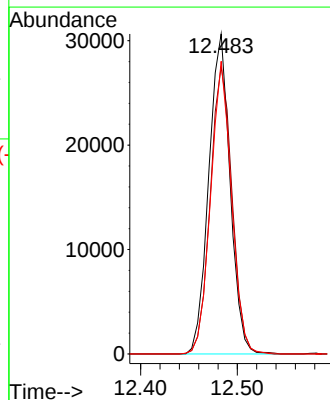
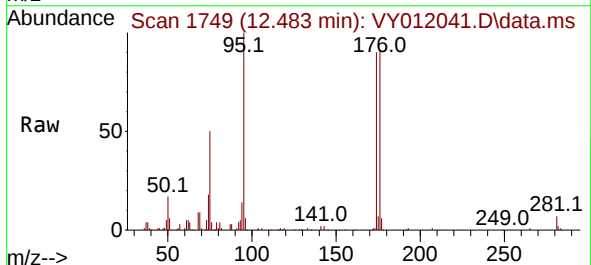
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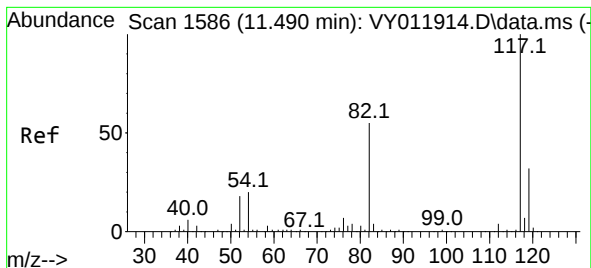
Tgt Ion: 98 Resp: 150609  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 45.861 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012041.D  
Acq: 03 Jan 2023 13:01

Tgt Ion: 95 Resp: 46851  
Ion Ratio Lower Upper  
95 100  
174 92.0 0.0 172.0  
176 89.2 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: VY012041.D

Acq: 03 Jan 2023 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

TR-05-122922

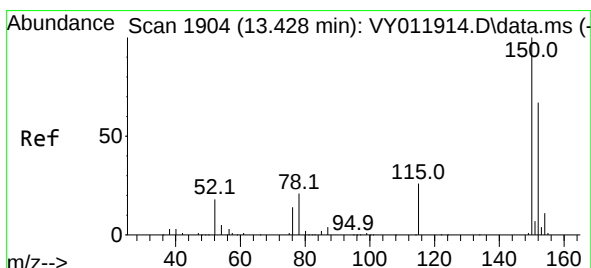
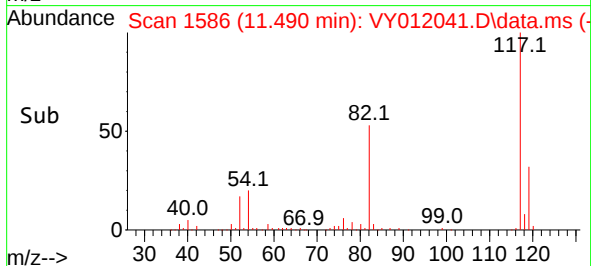
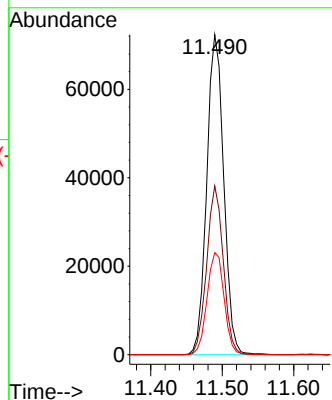
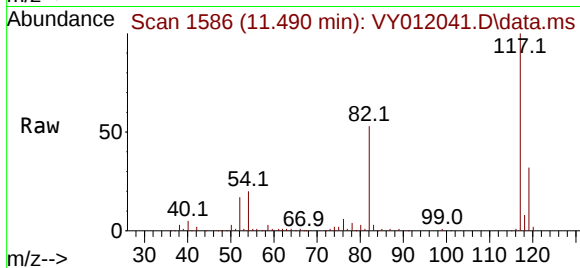
Tgt Ion:117 Resp: 119293

Ion Ratio Lower Upper

117 100

82 52.8 44.8 67.2

119 31.9 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: VY012041.D

Acq: 03 Jan 2023 13:01

Tgt Ion:152 Resp: 51981

Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 153.9 0.0 342.6

