

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071823\  
 Data File : VY014708.D  
 Acq On : 18 Jul 2023 17:55  
 Operator : SY/MD  
 Sample : 03641-31  
 Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP15

Quant Time: Jul 19 04:07:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 82783    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 134426   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 112564   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 48244    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 40623    | 43.063   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 86.120% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 38773    | 45.310   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.620% |
| 50) Toluene-d8              | 10.179 | 98    | 153808   | 48.753   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.500% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 49619    | 41.018   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.040% |

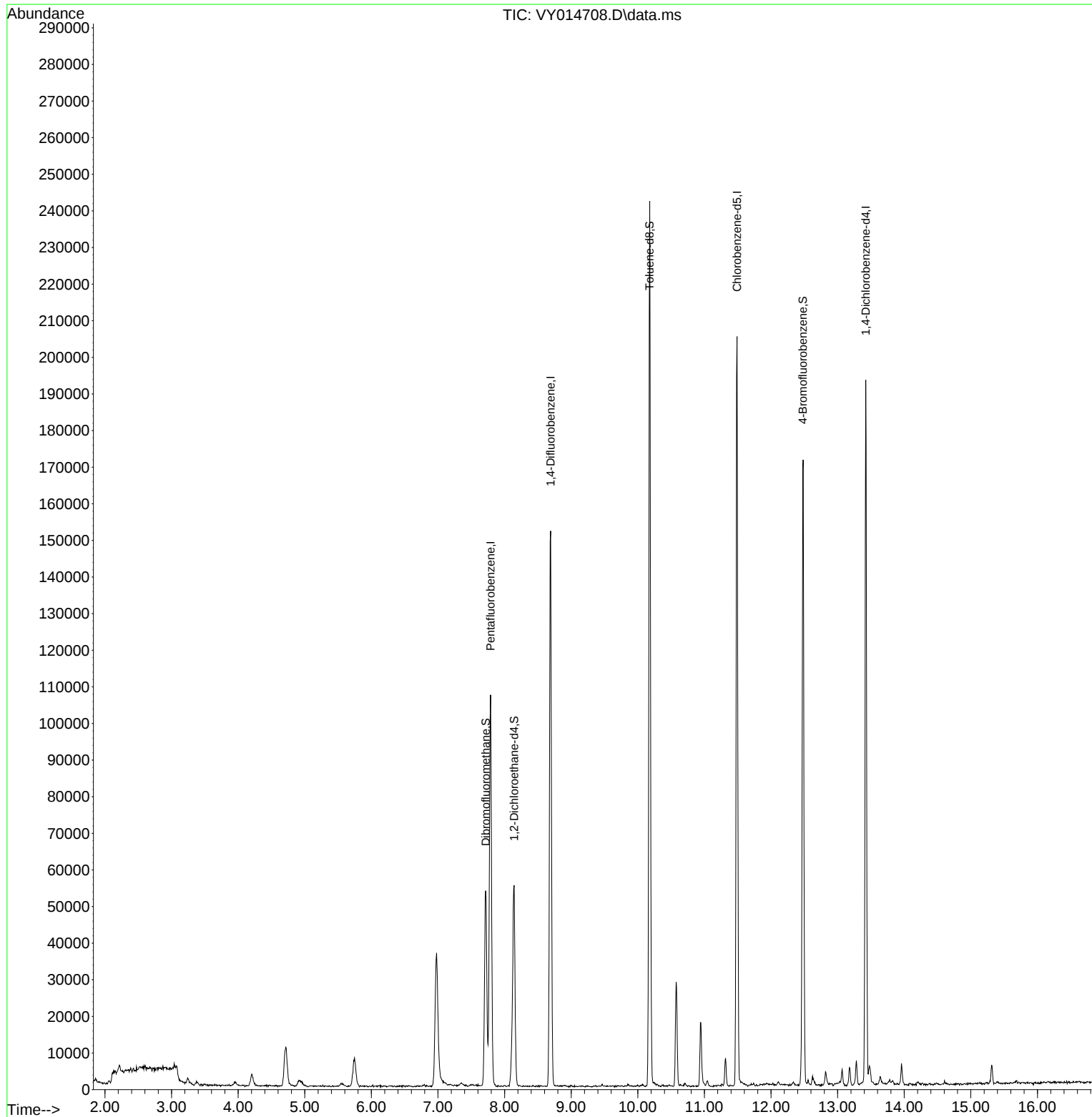
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

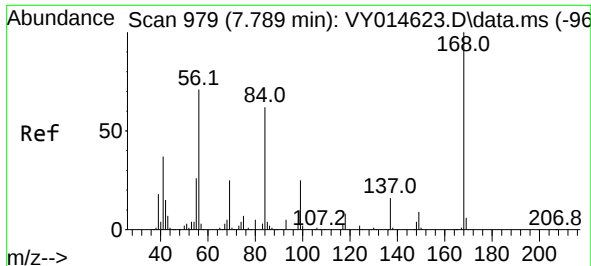
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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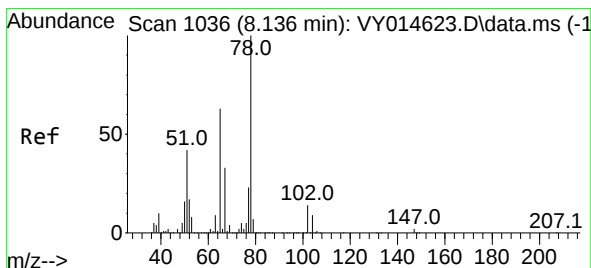
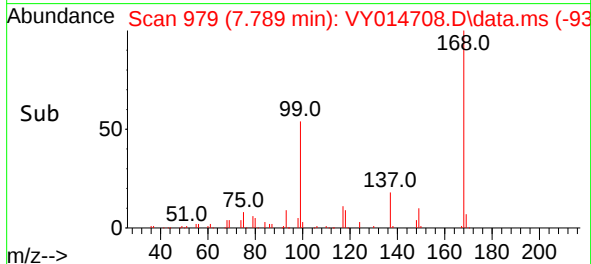
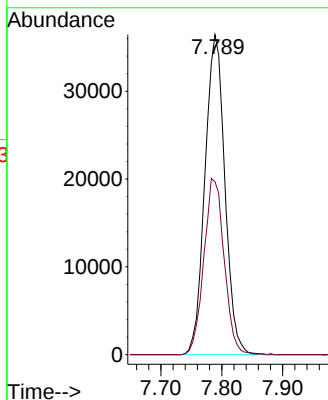
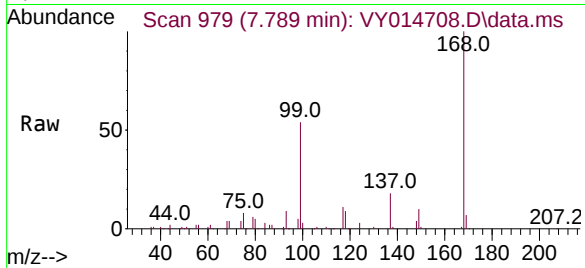




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014708.D  
Acq: 18 Jul 2023 17:55

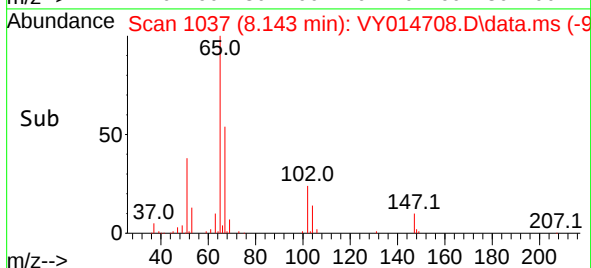
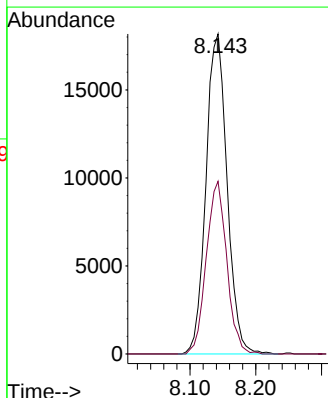
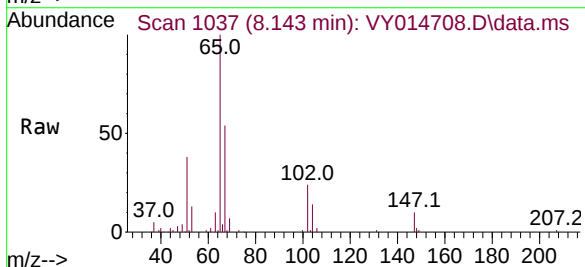
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP15

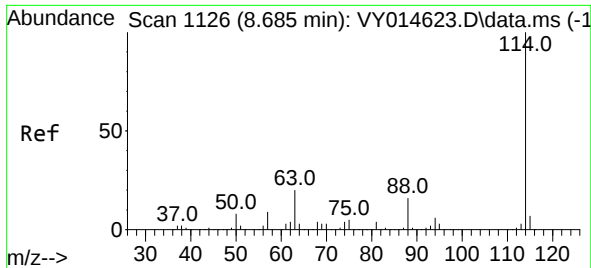
Tgt Ion:168 Resp: 82783  
Ion Ratio Lower Upper  
168 100  
99 54.1 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 43.063 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY014708.D  
Acq: 18 Jul 2023 17:55

Tgt Ion: 65 Resp: 40623  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014708.D

Acq: 18 Jul 2023 17:55

Instrument :

MSVOA\_Y

ClientSampleId :

TP15

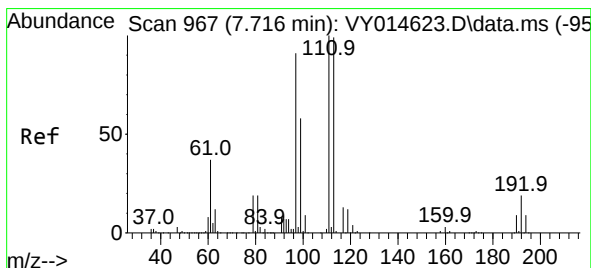
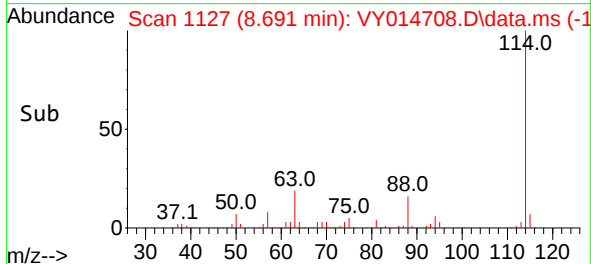
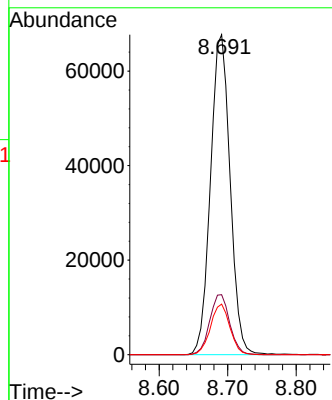
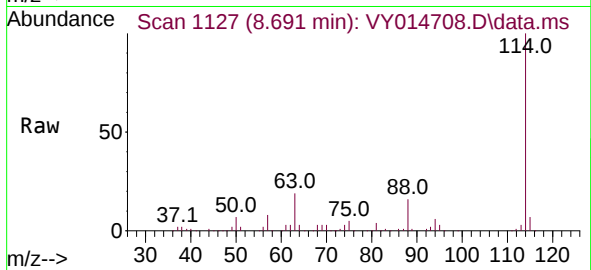
Tgt Ion:114 Resp: 134426

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.310 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014708.D

Acq: 18 Jul 2023 17:55

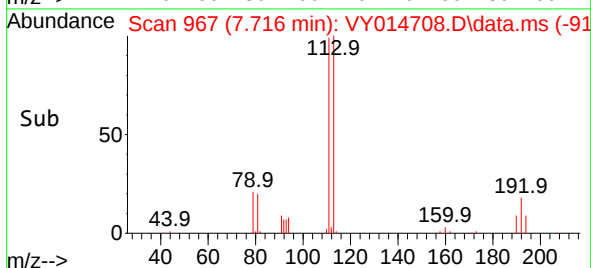
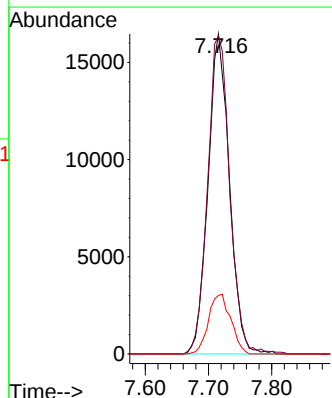
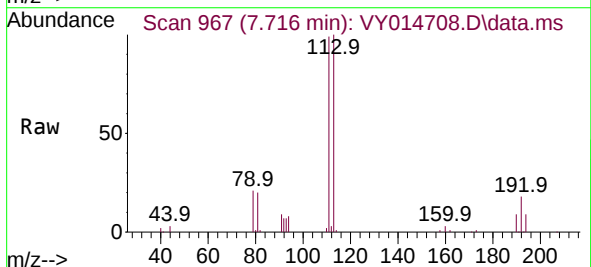
Tgt Ion:113 Resp: 38773

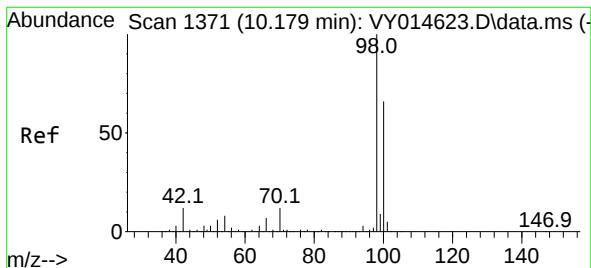
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 19.4 16.9 25.3

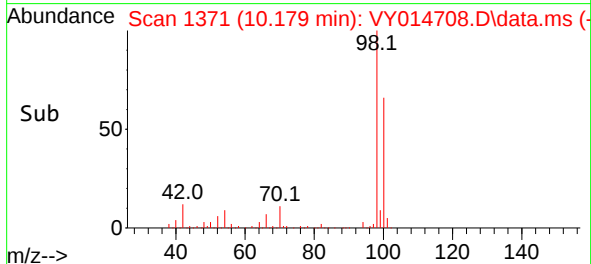
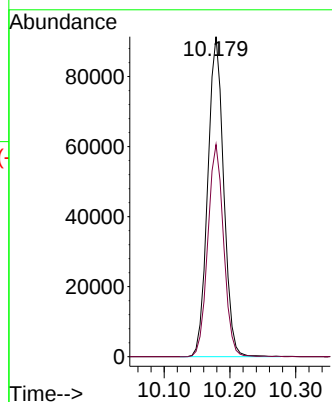
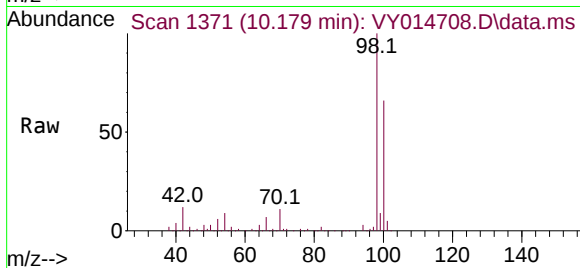




#50  
Toluene-d8  
Concen: 48.753 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014708.D  
Acq: 18 Jul 2023 17:55

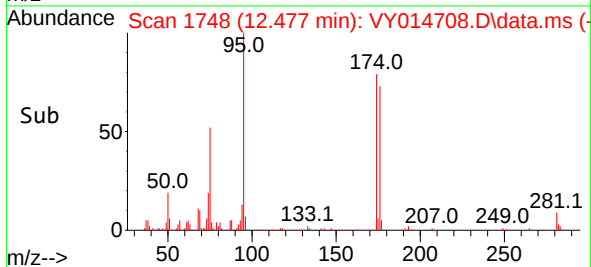
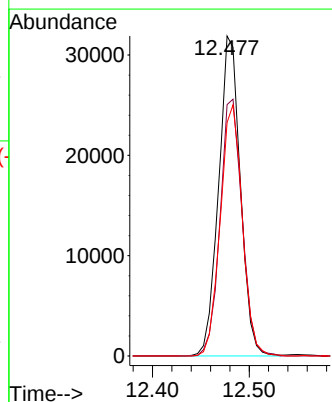
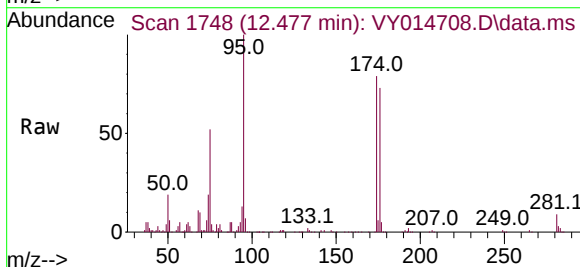
Instrument :  
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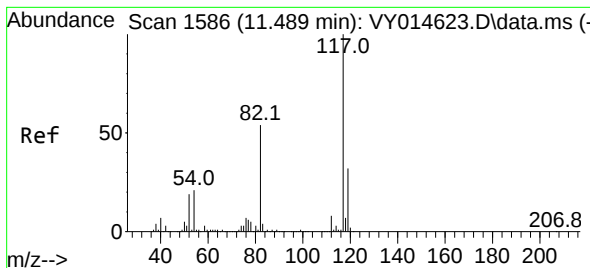
Tgt Ion: 98 Resp: 153808  
Ion Ratio Lower Upper  
98 100  
100 65.9 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 41.018 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014708.D  
Acq: 18 Jul 2023 17:55

Tgt Ion: 95 Resp: 49619  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 178.2  
176 79.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014708.D

Acq: 18 Jul 2023 17:55

Instrument :

MSVOA\_Y

ClientSampleId :

TP15

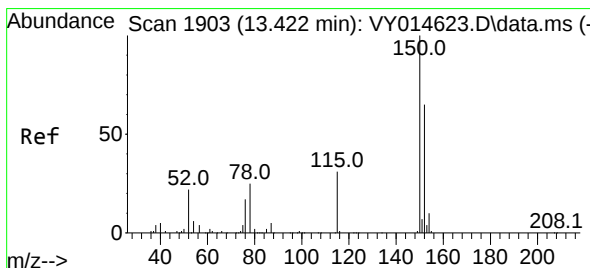
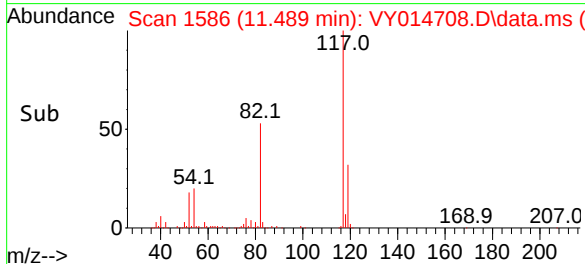
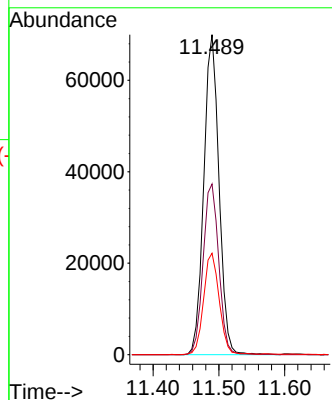
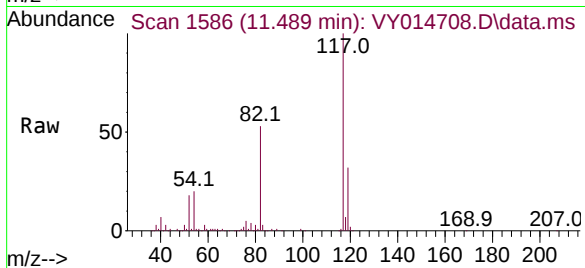
Tgt Ion:117 Resp: 112564

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 31.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014708.D

Acq: 18 Jul 2023 17:55

Tgt Ion:152 Resp: 48244

Ion Ratio Lower Upper

152 100

115 60.7 28.8 86.5

150 158.7 0.0 348.8

