

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022423\  
 Data File : VY012714.D  
 Acq On : 24 Feb 2023 11:07  
 Operator : KP/MD  
 Sample : VY0224SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0224SBL01

Quant Time: Feb 24 14:01:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 99023    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 165848   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 146090   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 68662    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 61769    | 52.816   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.640% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 56795    | 50.701   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.400% |
| 50) Toluene-d8              | 10.179 | 98    | 205832   | 49.046   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 98.100%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 64324    | 47.897   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.800%  |

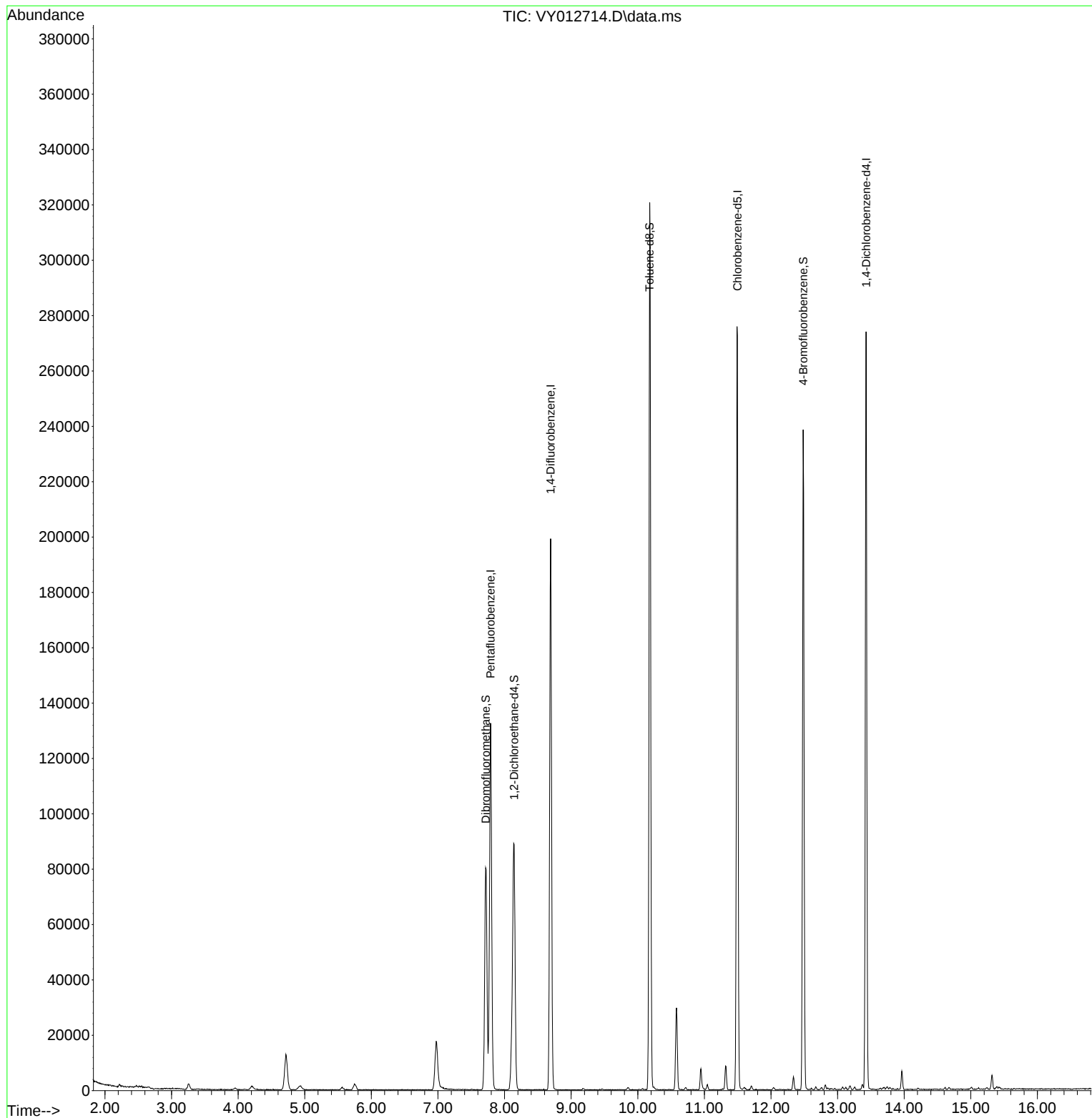
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

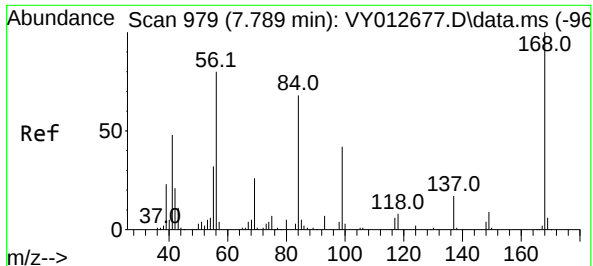
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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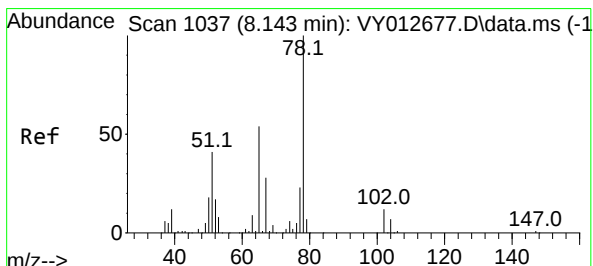
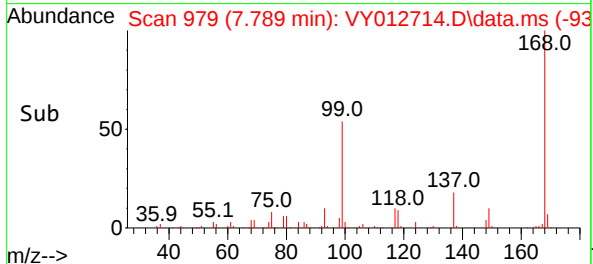
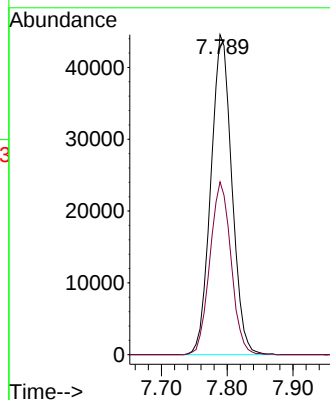
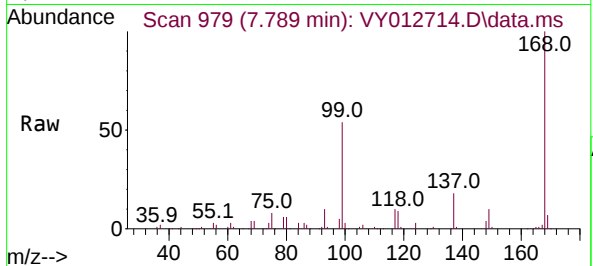




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012714.D  
Acq: 24 Feb 2023 11:07

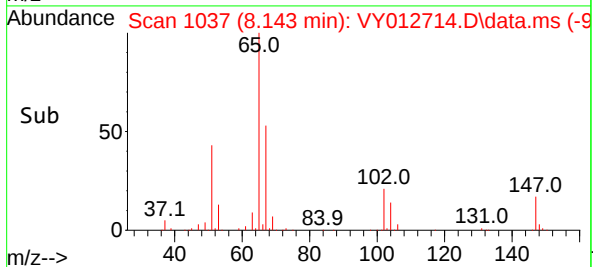
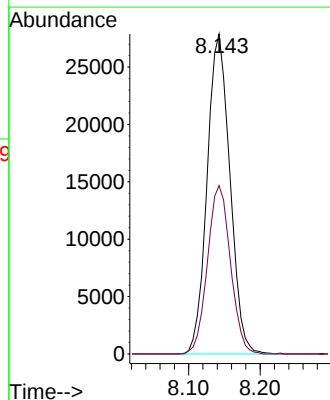
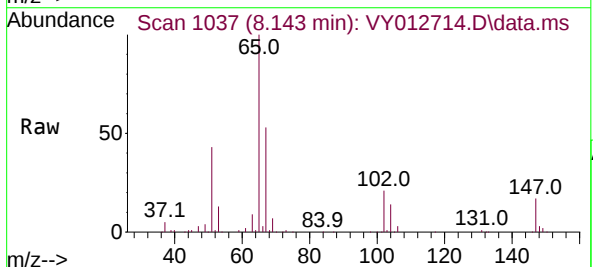
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0224SBL01

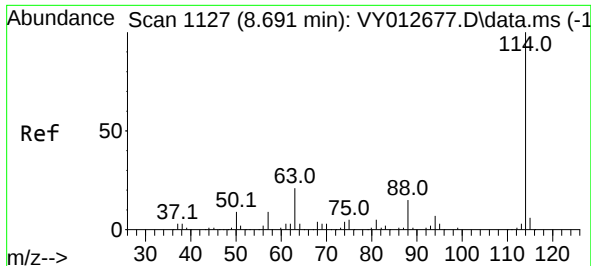
Tgt Ion:168 Resp: 99023  
Ion Ratio Lower Upper  
168 100  
99 54.0 45.4 68.2



#33  
1,2-Dichloroethane-d4  
Concen: 52.816 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012714.D  
Acq: 24 Feb 2023 11:07

Tgt Ion: 65 Resp: 61769  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012714.D

Acq: 24 Feb 2023 11:07

Instrument :

MSVOA\_Y

ClientSampleId :

VY0224SBL01

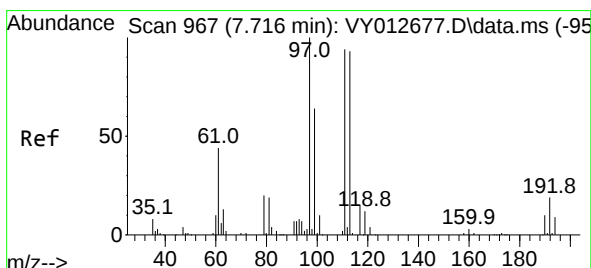
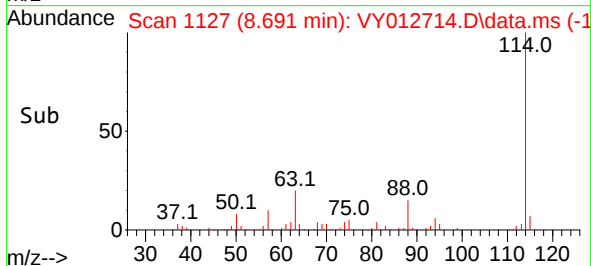
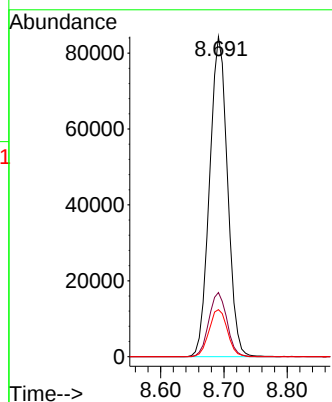
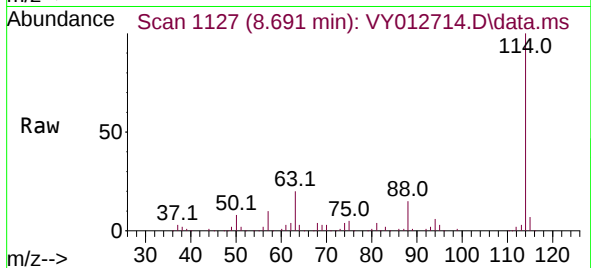
Tgt Ion:114 Resp: 165848

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

88 14.7 0.0 29.6



#35

Dibromofluoromethane

Concen: 50.701 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012714.D

Acq: 24 Feb 2023 11:07

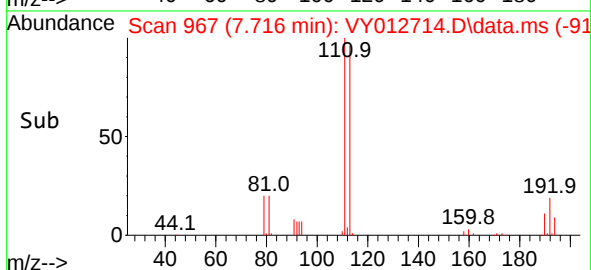
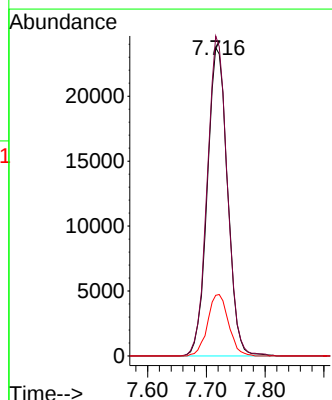
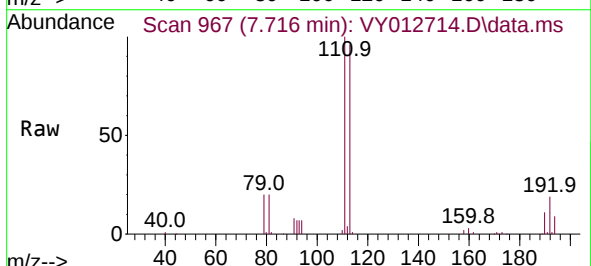
Tgt Ion:113 Resp: 56795

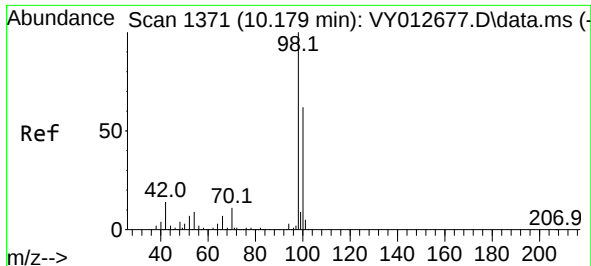
Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 20.6 16.2 24.2

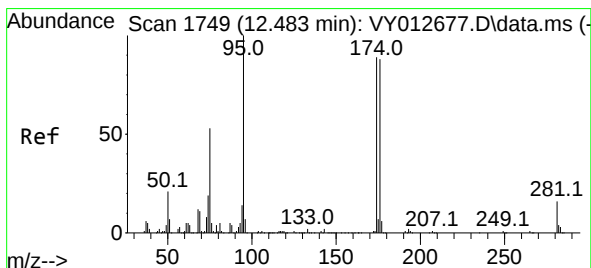
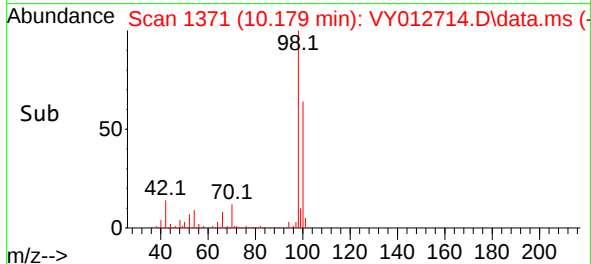
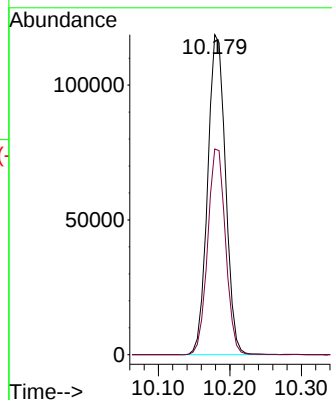
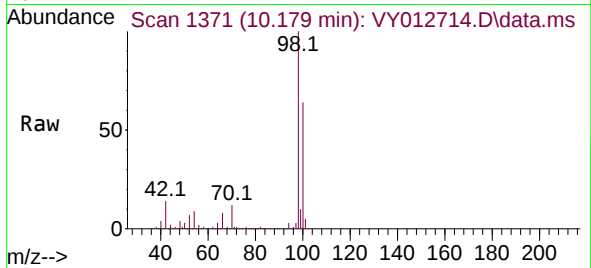




#50  
Toluene-d8  
Concen: 49.046 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012714.D  
Acq: 24 Feb 2023 11:07

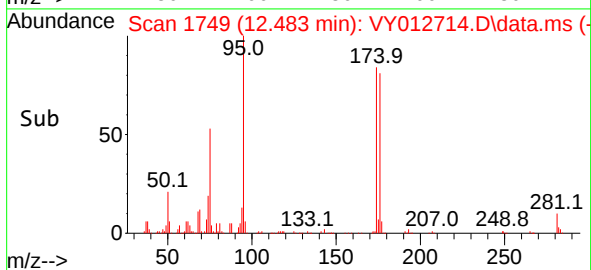
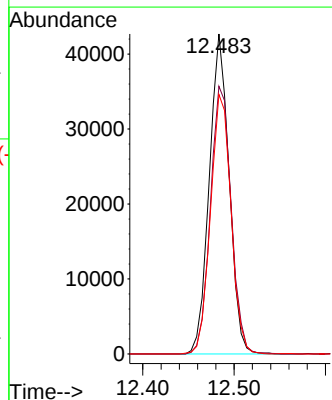
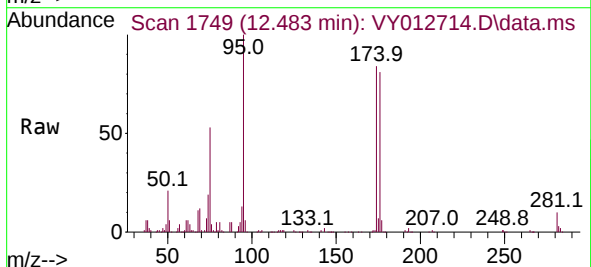
Instrument :  
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VY0224SBL01

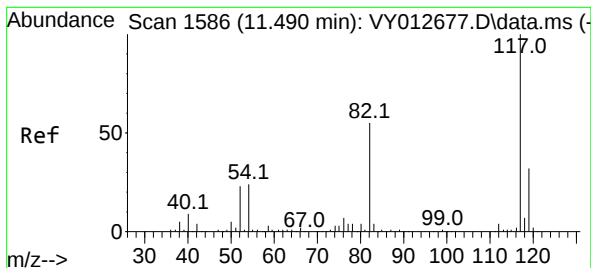
Tgt Ion: 98 Resp: 205832  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.2 76.8



#62  
4-Bromofluorobenzene  
Concen: 47.897 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012714.D  
Acq: 24 Feb 2023 11:07

Tgt Ion: 95 Resp: 64324  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 172.8  
176 83.9 0.0 169.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012714.D

Acq: 24 Feb 2023 11:07

Instrument :

MSVOA\_Y

ClientSampleId :

VY0224SBL01

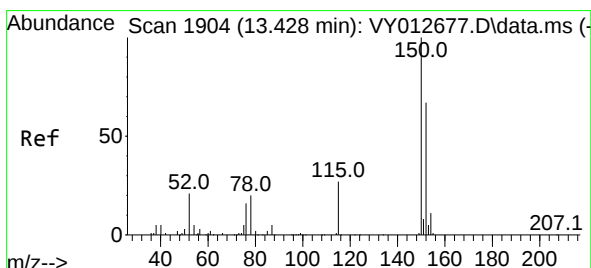
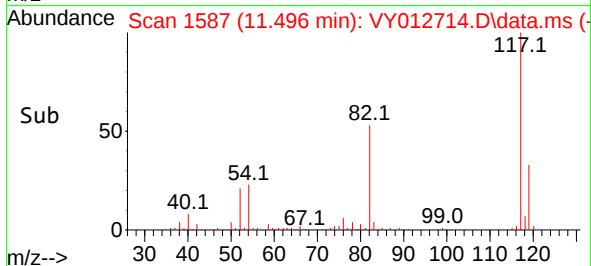
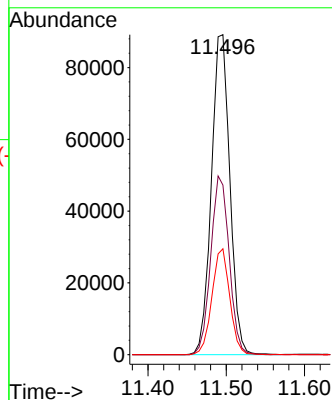
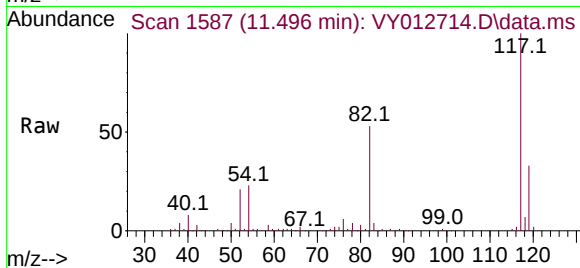
Tgt Ion:117 Resp: 146090

Ion Ratio Lower Upper

117 100

82 53.0 44.1 66.1

119 33.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012714.D

Acq: 24 Feb 2023 11:07

Tgt Ion:152 Resp: 68662

Ion Ratio Lower Upper

152 100

115 54.3 28.7 86.3

150 156.6 0.0 347.6

