

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030823\  
 Data File : VY012874.D  
 Acq On : 08 Mar 2023 16:26  
 Operator : KP/MD  
 Sample : 01829-04  
 Misc : 6.71g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS-04-20230306

Quant Time: Mar 09 00:37:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 77441    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 128885   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 119456   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 51278    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 49633    | 64.552   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 129.100% |
| 35) Dibromofluoromethane    | 7.715  | 113   | 45012    | 57.869   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 115.740% |
| 50) Toluene-d8              | 10.178 | 98    | 156424   | 55.010   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.020% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 45344    | 47.245   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 94.480%  |

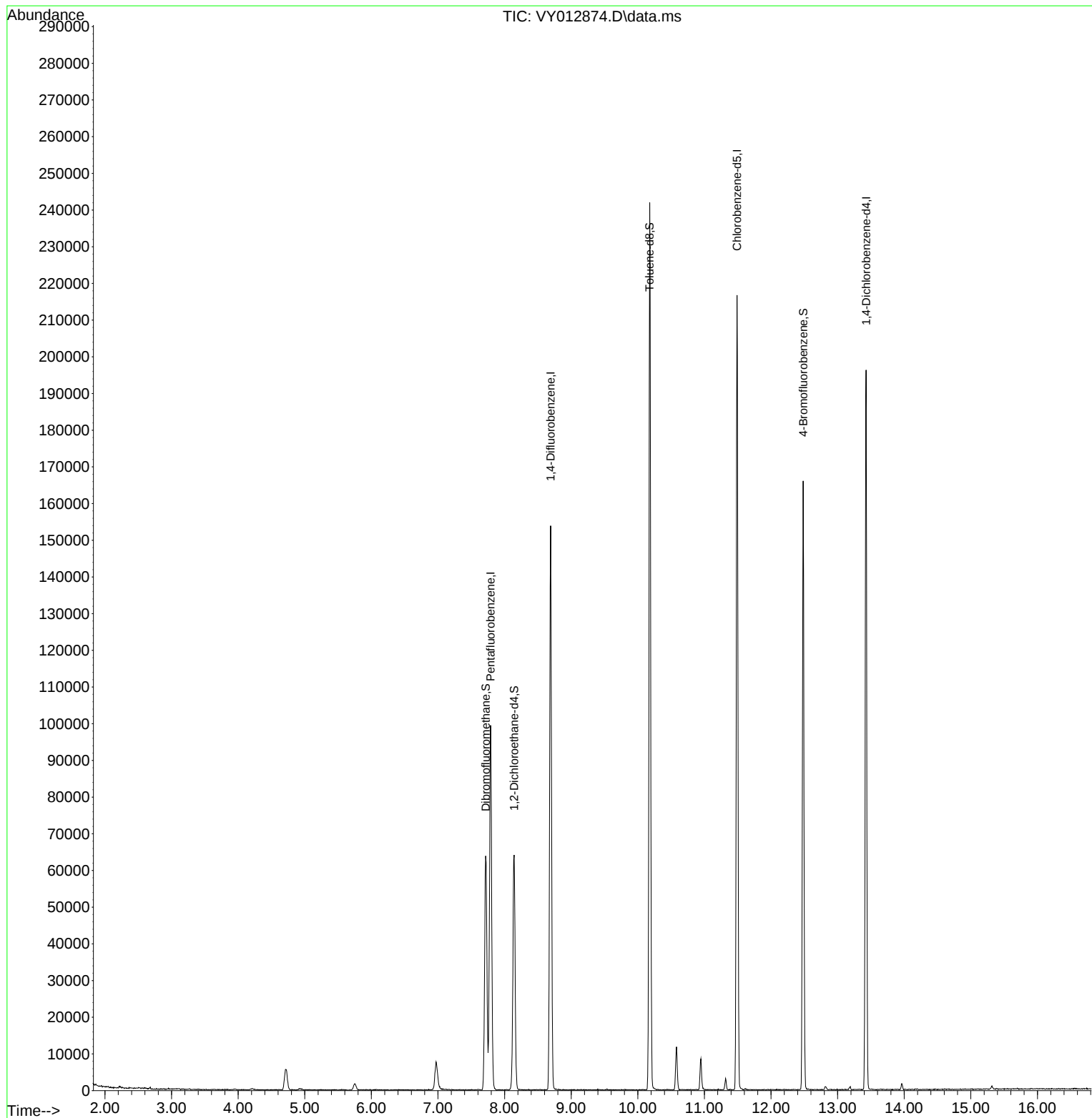
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

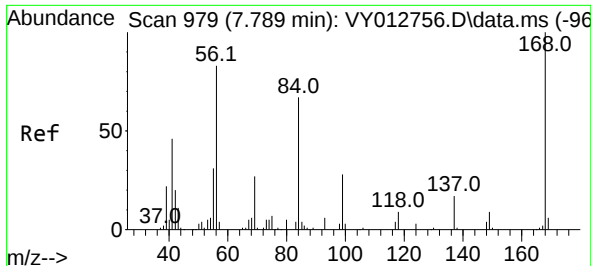
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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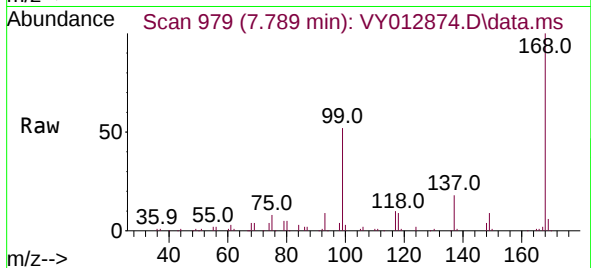
Quant Time: Mar 09 00:37:49 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
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Response via : Initial Calibration



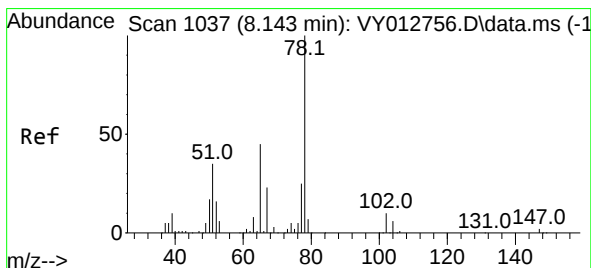
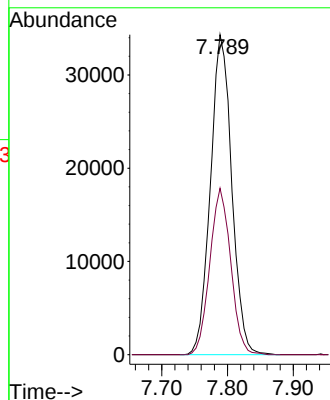
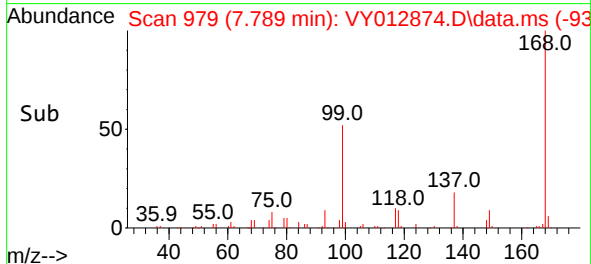


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012874.D  
Acq: 08 Mar 2023 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-04-20230306

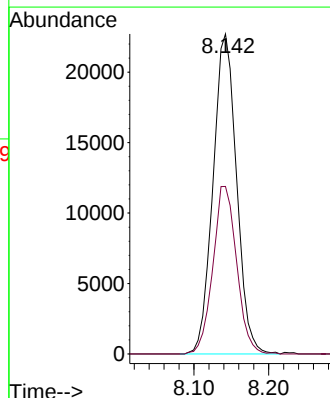
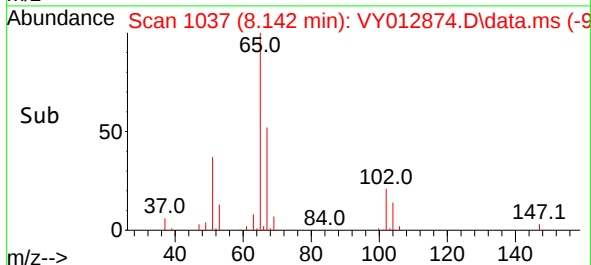
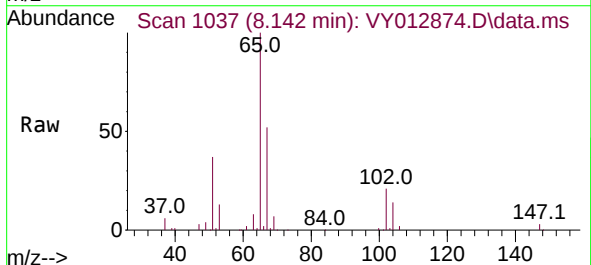


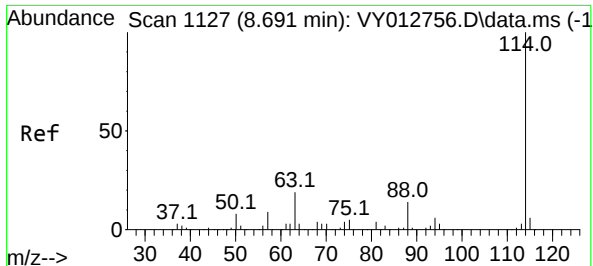
Tgt Ion:168 Resp: 77441  
Ion Ratio Lower Upper  
168 100  
99 52.0 41.7 62.5



#33  
1,2-Dichloroethane-d4  
Concen: 64.552 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012874.D  
Acq: 08 Mar 2023 16:26

Tgt Ion: 65 Resp: 49633  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012874.D

Acq: 08 Mar 2023 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

SS-04-20230306

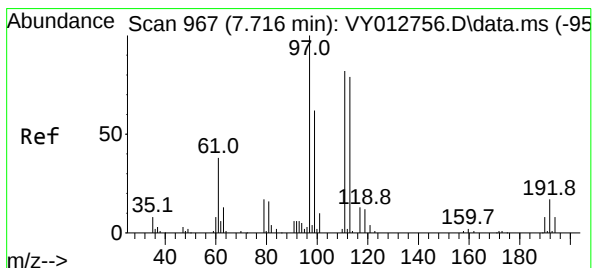
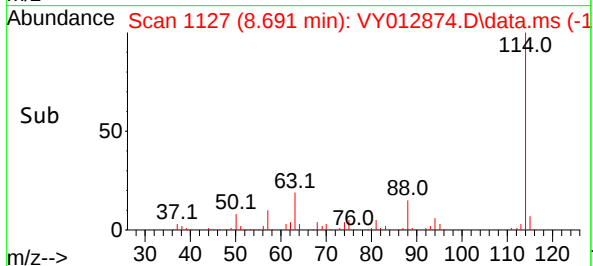
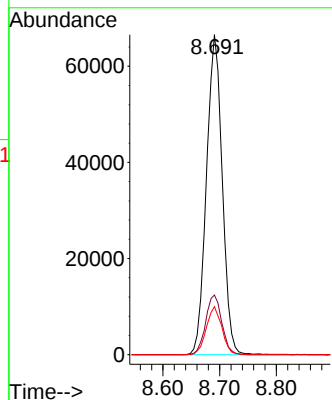
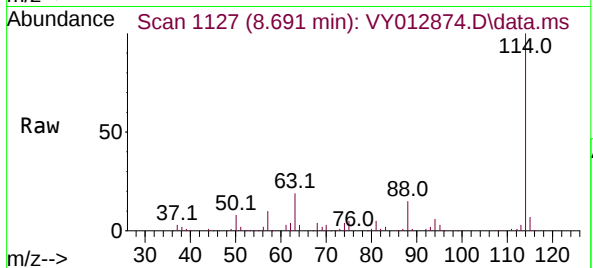
Tgt Ion:114 Resp: 128885

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

88 15.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.869 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012874.D

Acq: 08 Mar 2023 16:26

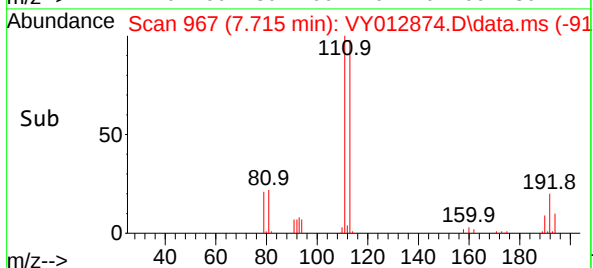
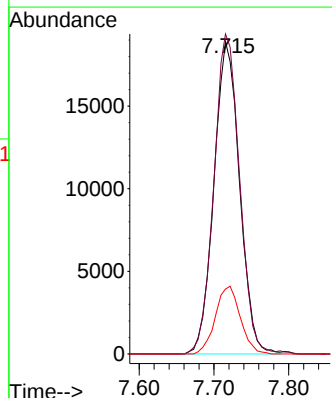
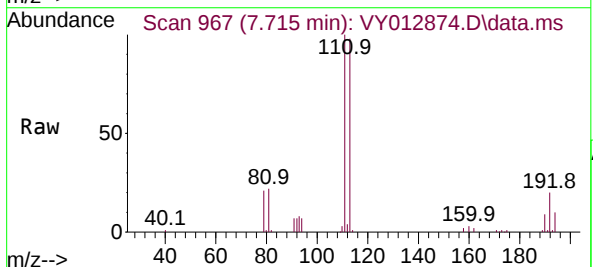
Tgt Ion:113 Resp: 45012

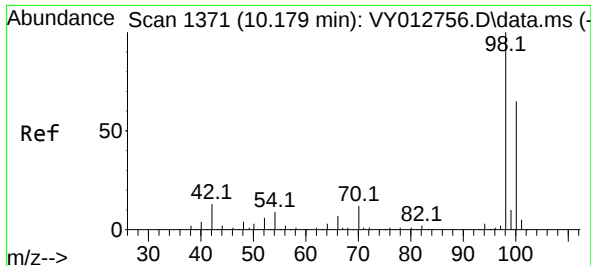
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 21.1 16.8 25.2

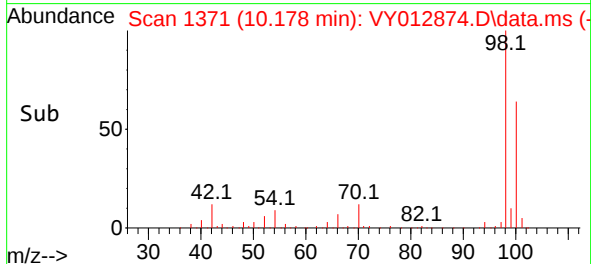
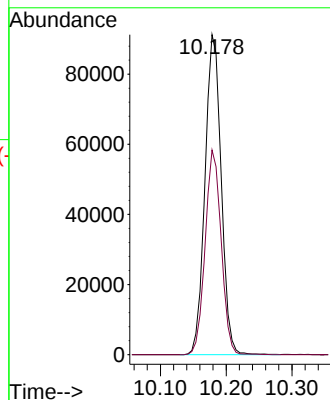
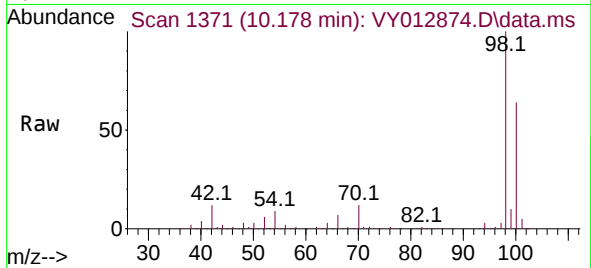




#50  
Toluene-d8  
Concen: 55.010 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012874.D  
Acq: 08 Mar 2023 16:26

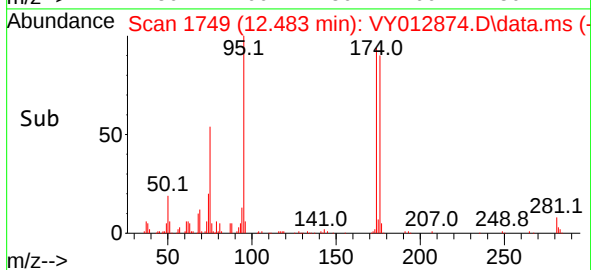
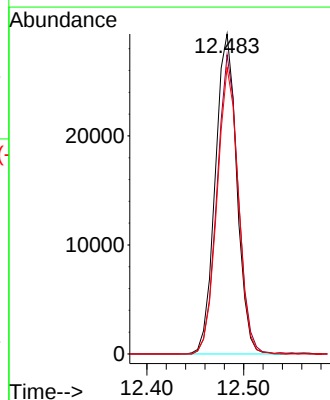
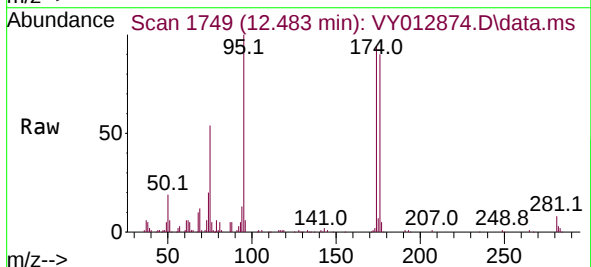
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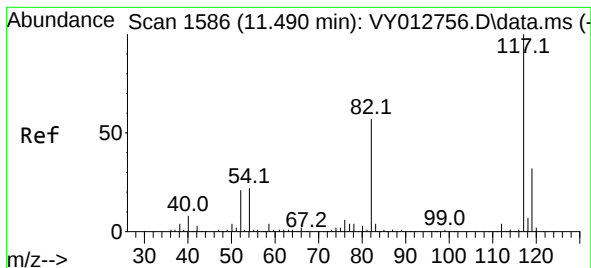
Tgt Ion: 98 Resp: 156424  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 47.245 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY012874.D  
Acq: 08 Mar 2023 16:26

Tgt Ion: 95 Resp: 45344  
Ion Ratio Lower Upper  
95 100  
174 92.5 0.0 176.6  
176 88.6 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012874.D

Acq: 08 Mar 2023 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

SS-04-20230306

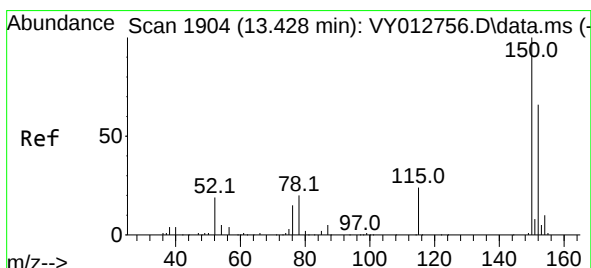
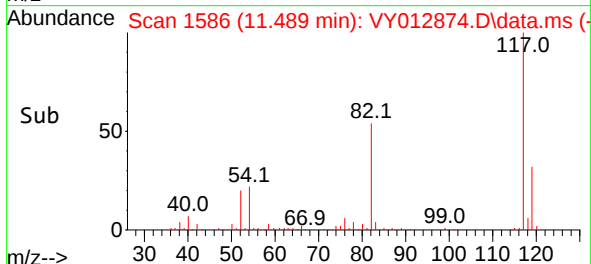
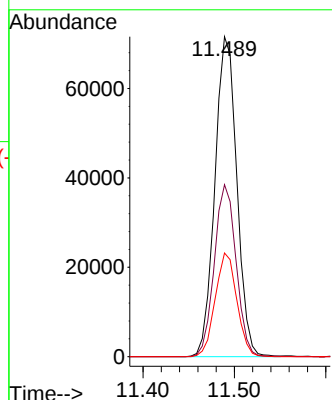
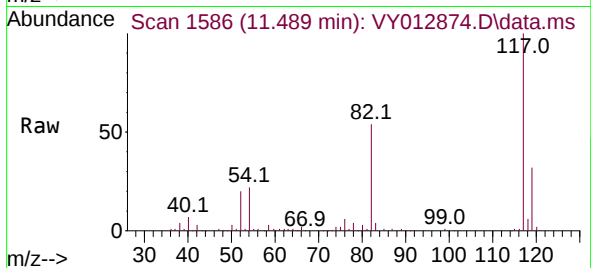
Tgt Ion:117 Resp: 119456

Ion Ratio Lower Upper

117 100

82 53.8 45.4 68.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012874.D

Acq: 08 Mar 2023 16:26

Tgt Ion:152 Resp: 51278

Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.3

150 158.5 0.0 347.8

