

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101022\  
 Data File : VY010892.D  
 Acq On : 10 Oct 2022 15:56  
 Operator : KP/MD  
 Sample : N5046-13  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 R-13

Quant Time: Oct 11 09:45:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 336825   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 588615   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 511657   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 221823   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 175632   | 51.442   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.880% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 177181   | 45.347   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.700%  |
| 50) Toluene-d8              | 10.179 | 98    | 667668   | 49.966   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.940%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 205616   | 38.543   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 77.080%  |

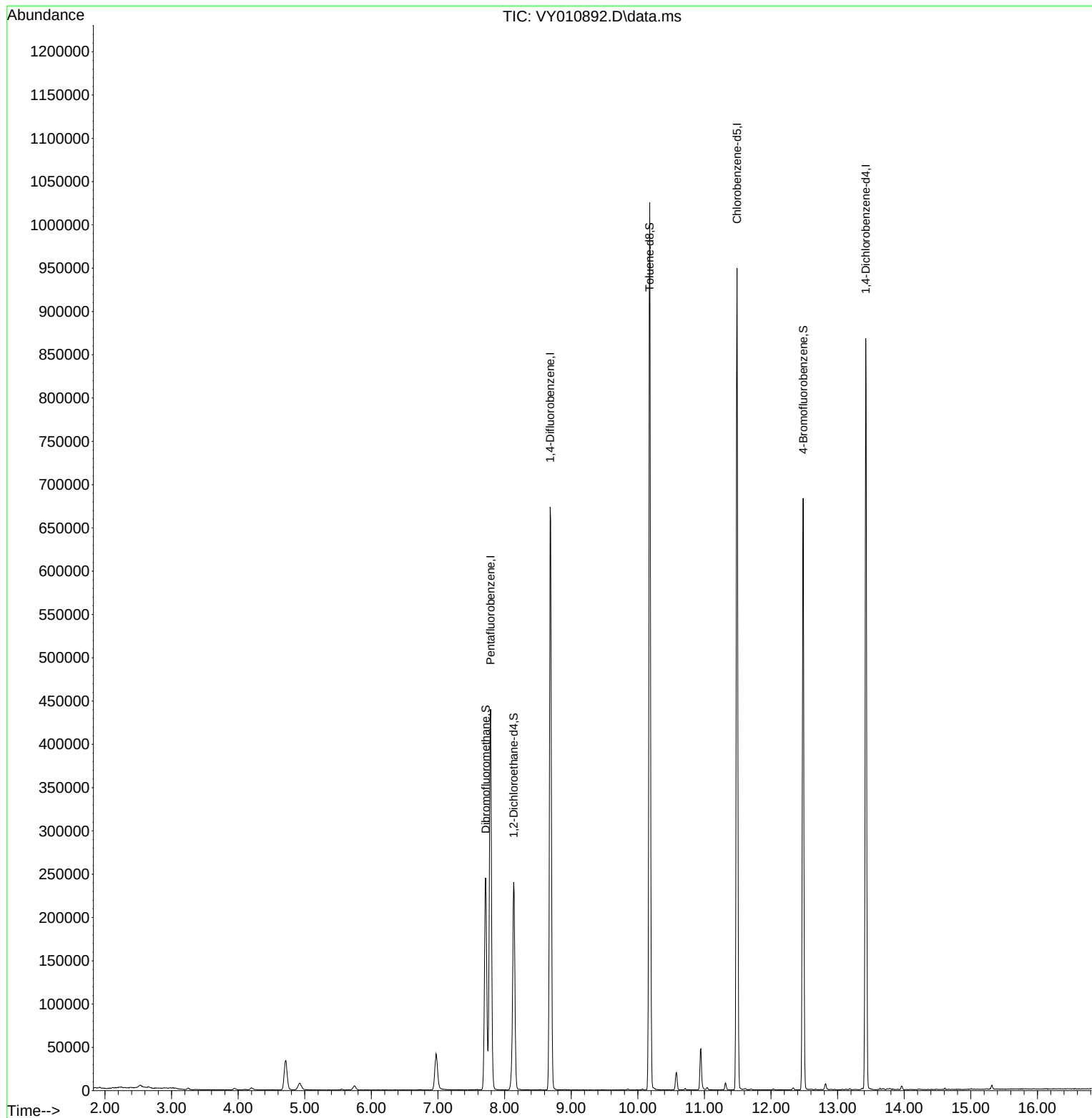
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

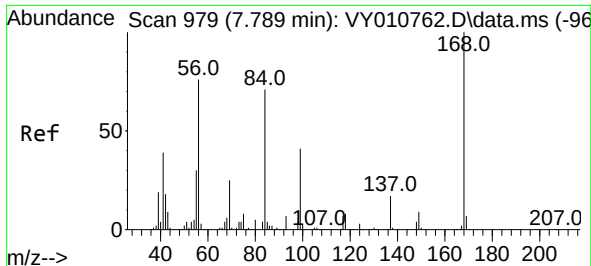
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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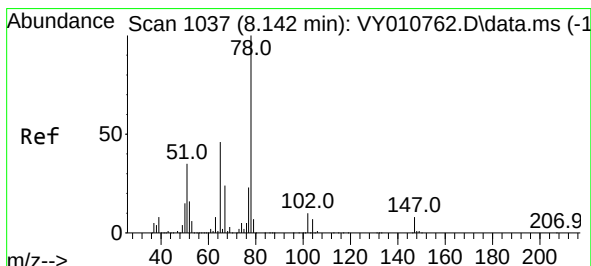
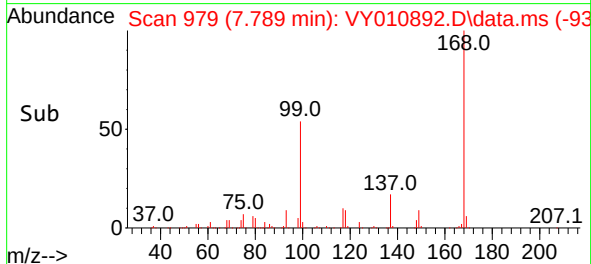
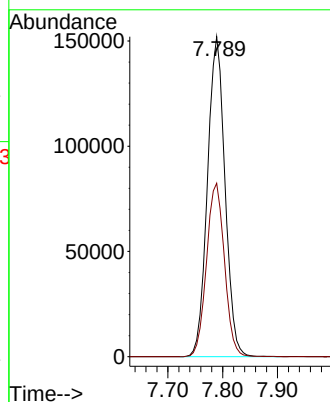
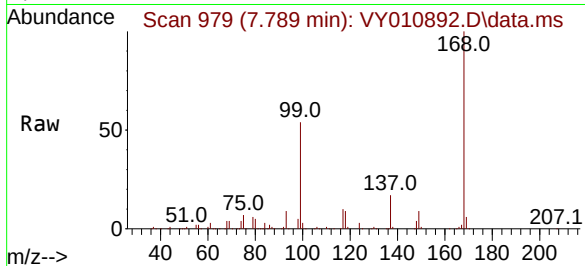




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010892.D  
Acq: 10 Oct 2022 15:56

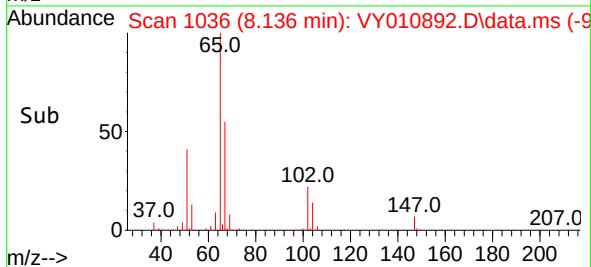
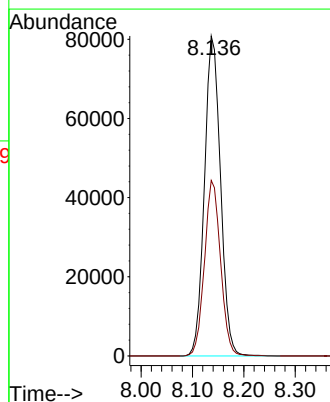
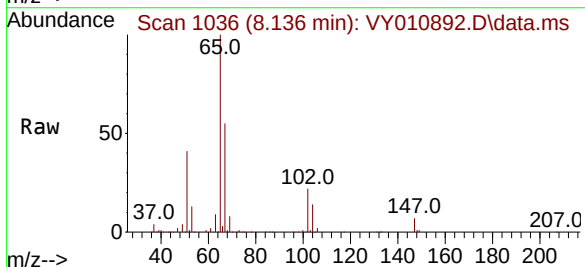
Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-13

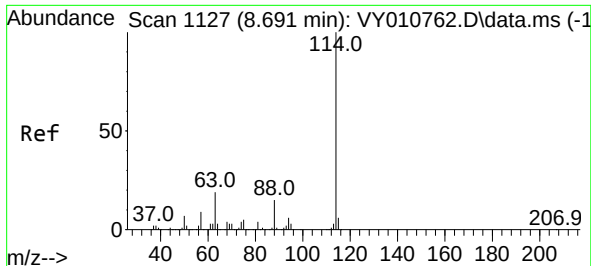
Tgt Ion:168 Resp: 336825  
Ion Ratio Lower Upper  
168 100  
99 54.2 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 51.442 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY010892.D  
Acq: 10 Oct 2022 15:56

Tgt Ion: 65 Resp: 175632  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010892.D

Acq: 10 Oct 2022 15:56

Instrument :

MSVOA\_Y

ClientSampleId :

R-13

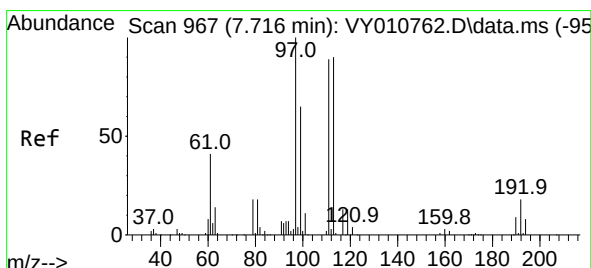
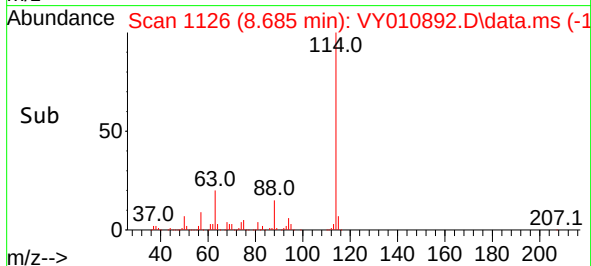
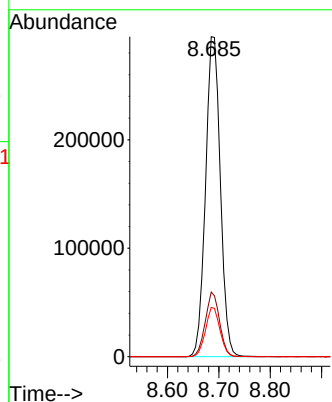
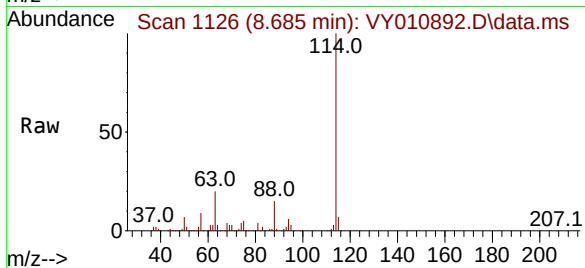
Tgt Ion:114 Resp: 588615

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.347 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010892.D

Acq: 10 Oct 2022 15:56

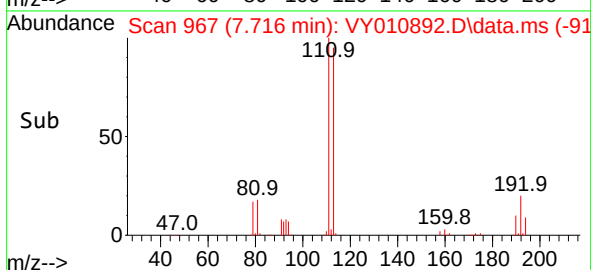
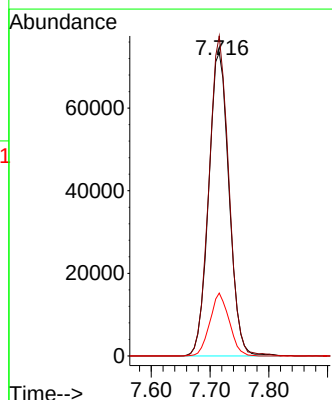
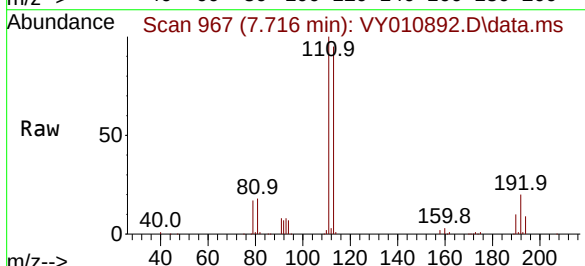
Tgt Ion:113 Resp: 177181

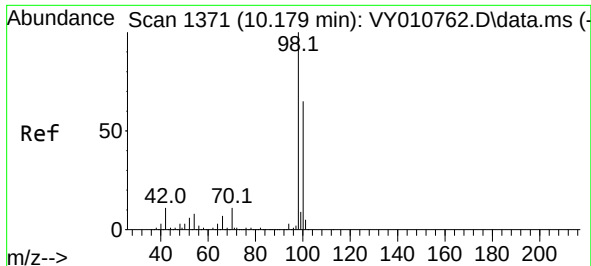
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 19.7 17.6 26.4

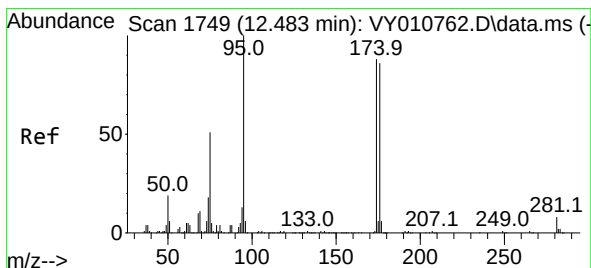
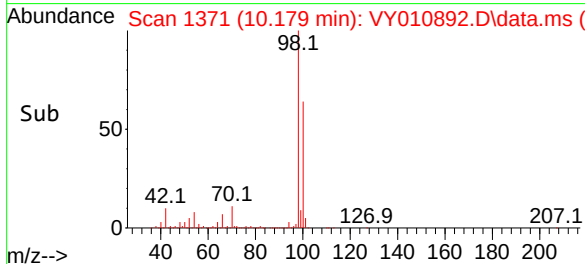
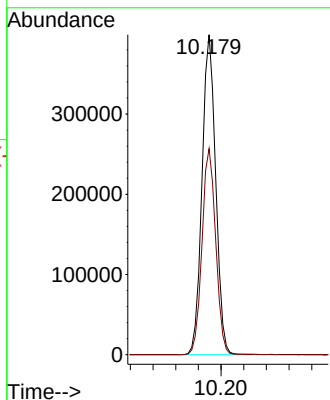
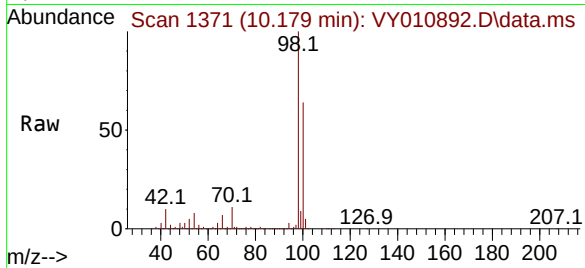




#50  
Toluene-d8  
Concen: 49.966 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010892.D  
Acq: 10 Oct 2022 15:56

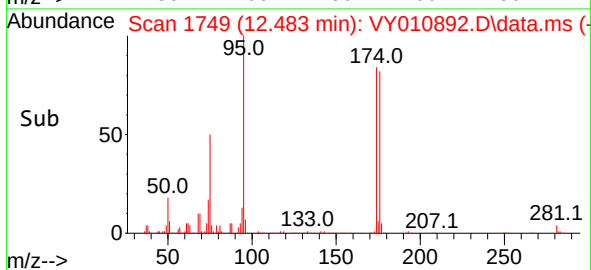
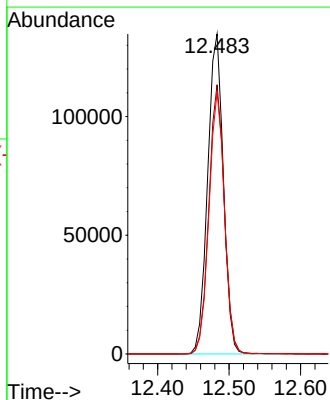
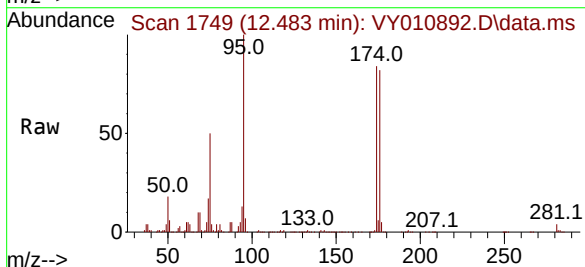
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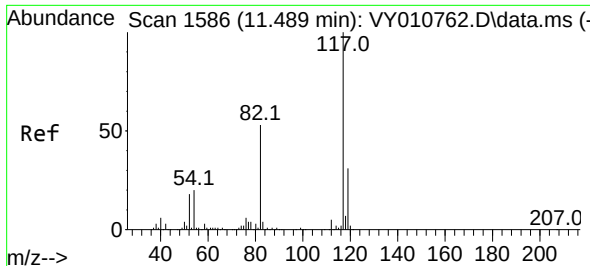
Tgt Ion: 98 Resp: 667668  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 38.543 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010892.D  
Acq: 10 Oct 2022 15:56

Tgt Ion: 95 Resp: 205616  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 177.0  
176 80.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010892.D

Acq: 10 Oct 2022 15:56

Instrument :

MSVOA\_Y

ClientSampleId :

R-13

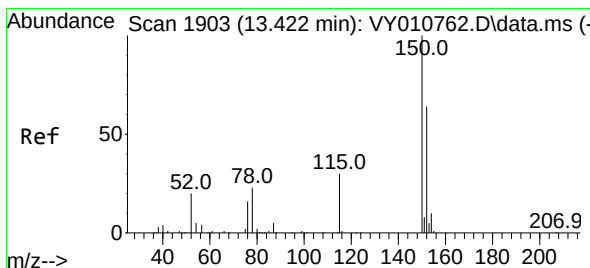
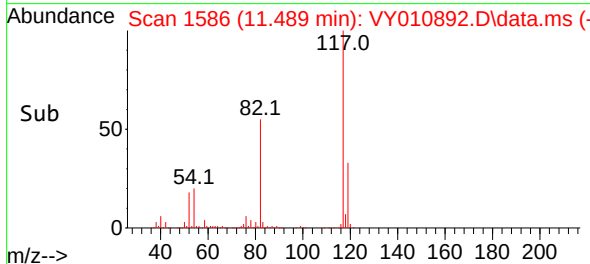
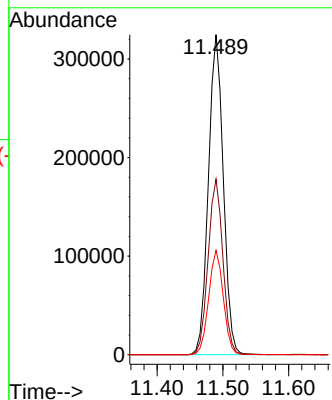
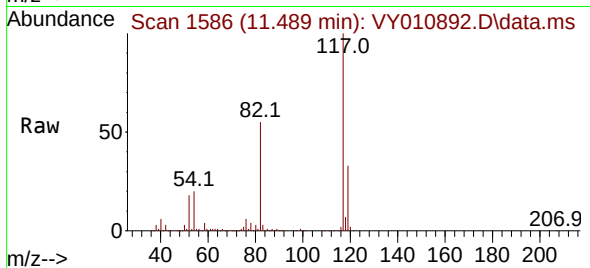
Tgt Ion:117 Resp: 511657

Ion Ratio Lower Upper

117 100

82 54.8 43.0 64.4

119 32.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010892.D

Acq: 10 Oct 2022 15:56

Tgt Ion:152 Resp: 221823

Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 157.2 0.0 347.6

