

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111122\  
 Data File : VY011420.D  
 Acq On : 11 Nov 2022 15:47  
 Operator : KP/MD  
 Sample : N5561-03  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-06

Quant Time: Nov 11 16:02:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 279420   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 466839   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 391229   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 152819   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 160016   | 68.340   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 136.680% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 161160   | 61.599   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 123.200% |
| 50) Toluene-d8              | 10.179 | 98    | 567504   | 56.779   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 113.560% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 164468   | 47.178   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 94.360%  |

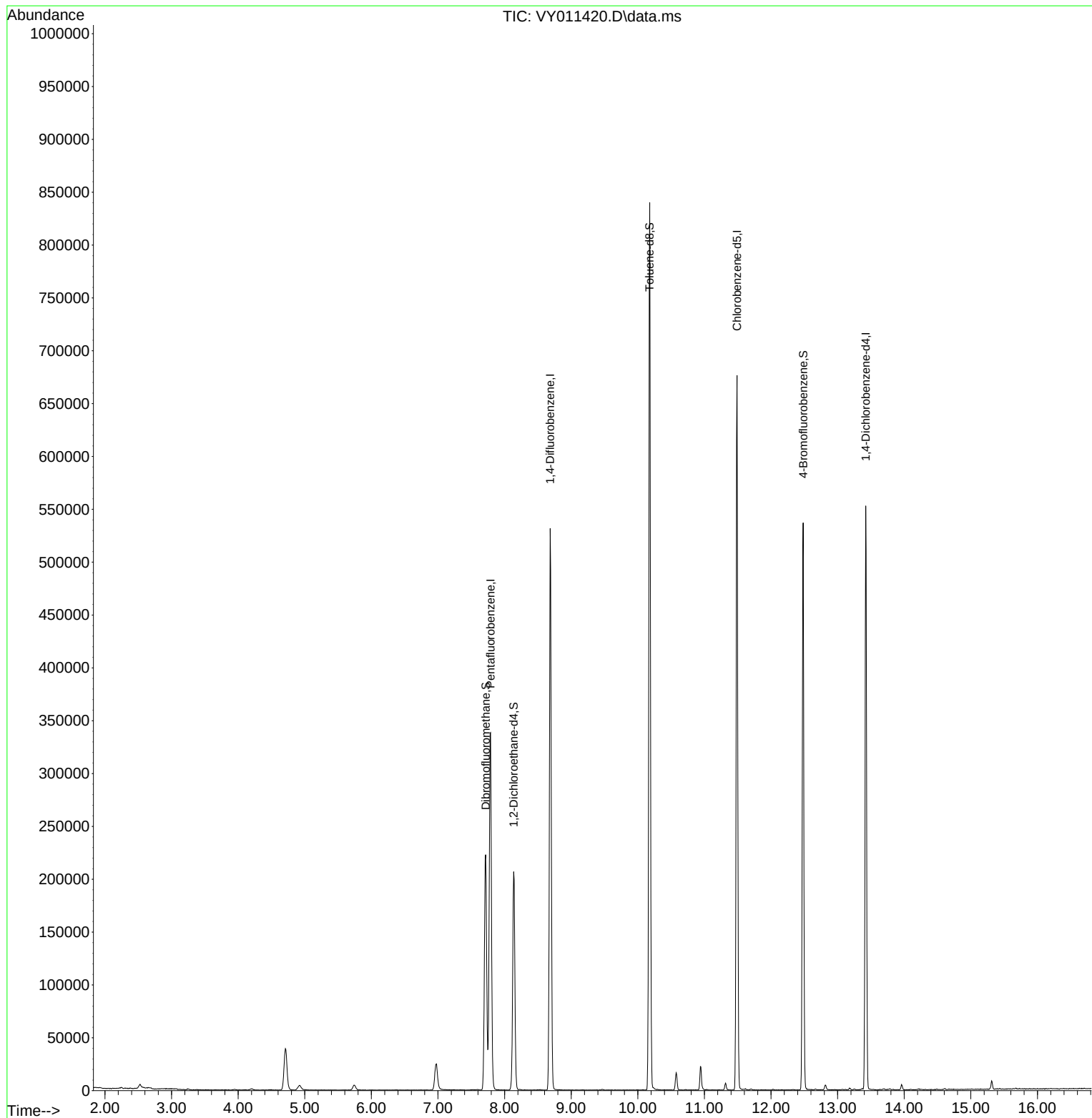
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

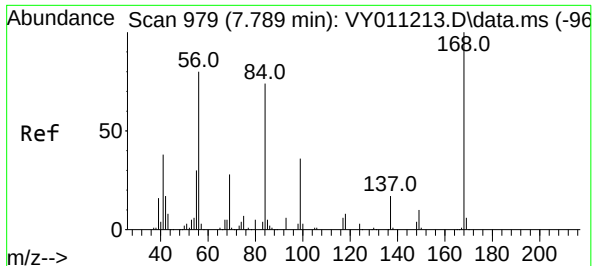
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Nov 10 17:47:26 2022  
Response via : Initial Calibration

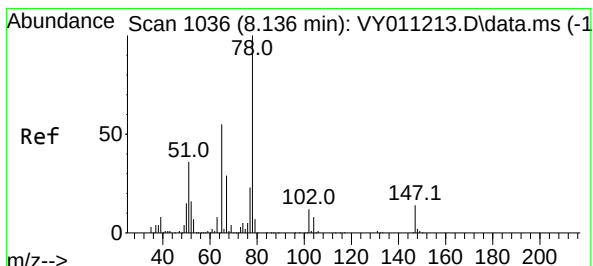
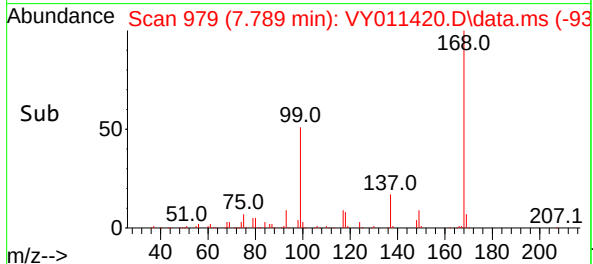
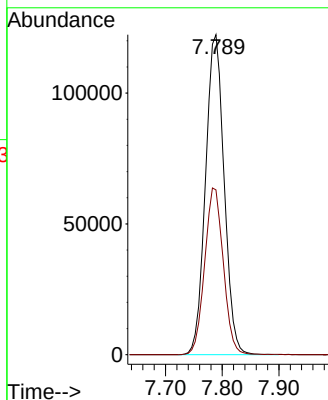
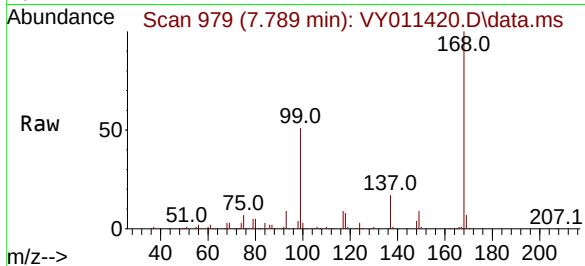




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011420.D  
Acq: 11 Nov 2022 15:47

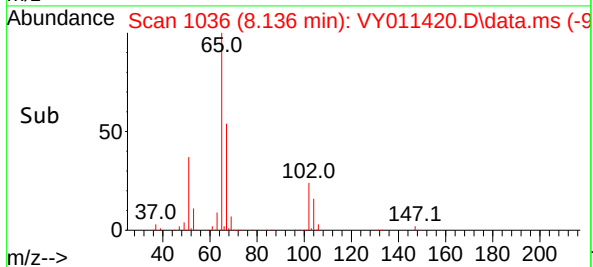
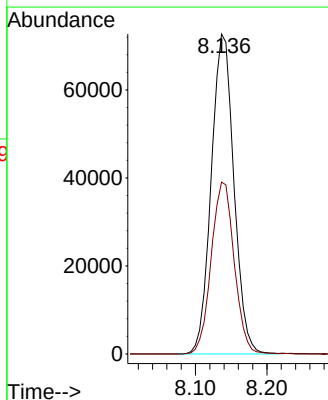
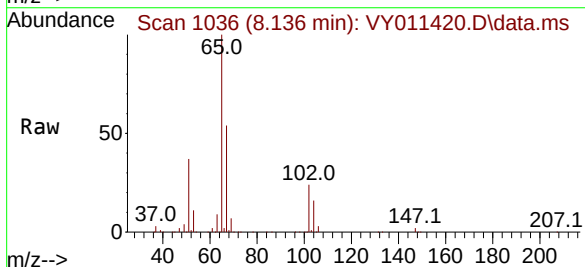
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-06

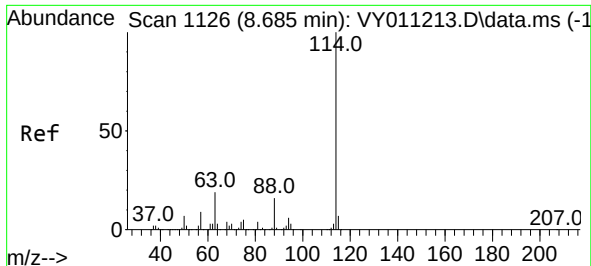
Tgt Ion:168 Resp: 279420  
Ion Ratio Lower Upper  
168 100  
99 51.5 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 68.340 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011420.D  
Acq: 11 Nov 2022 15:47

Tgt Ion: 65 Resp: 160016  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 99.4

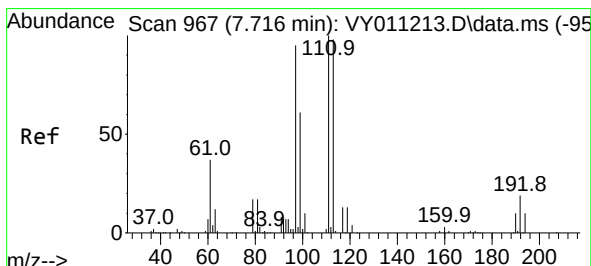
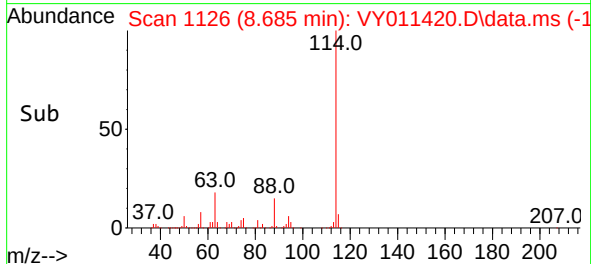
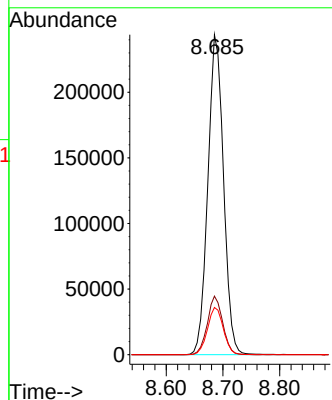
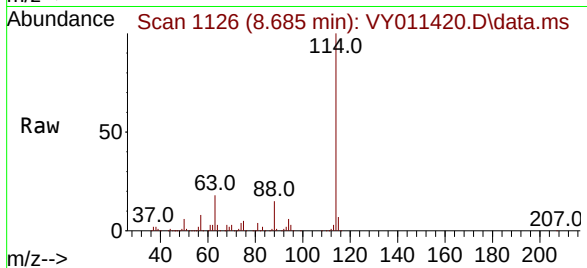




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY011420.D  
Acq: 11 Nov 2022 15:47

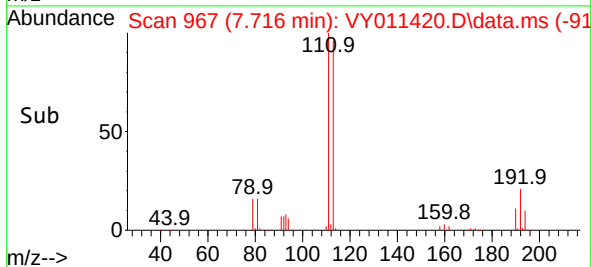
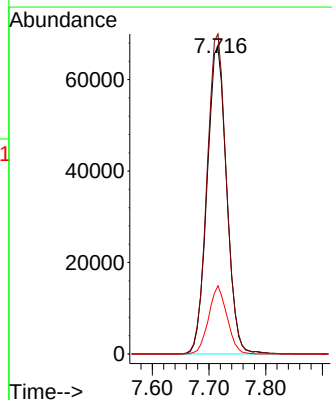
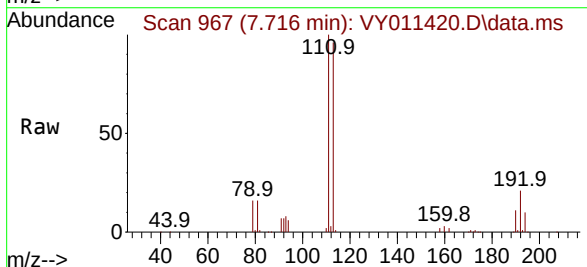
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-06

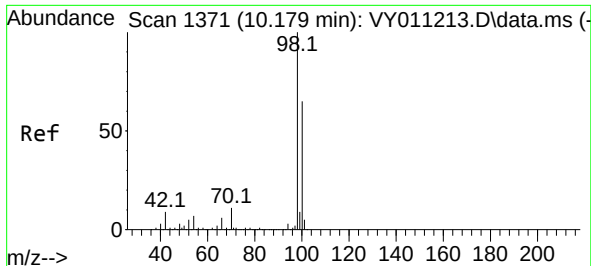
Tgt Ion:114 Resp: 466839  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 43.2  
88 14.7 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 61.599 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.006 min  
Lab File: VY011420.D  
Acq: 11 Nov 2022 15:47

Tgt Ion:113 Resp: 161160  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.6 124.0  
192 20.8 17.6 26.4

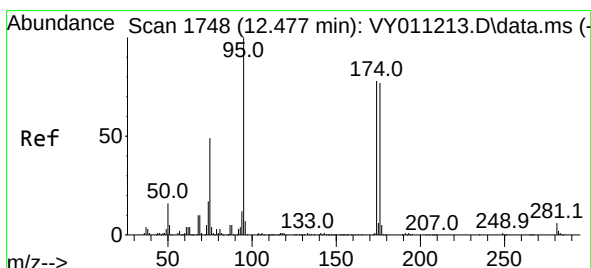
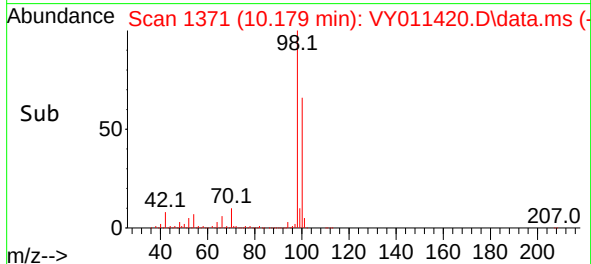
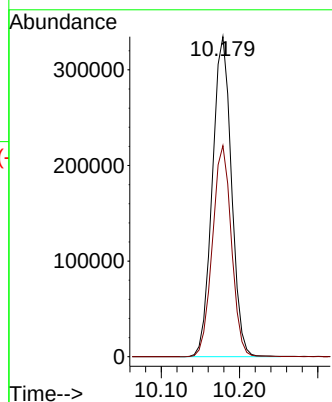
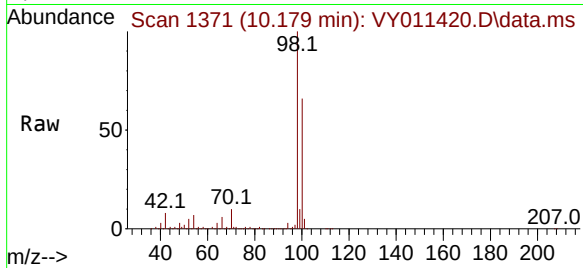




#50  
Toluene-d8  
Concen: 56.779 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011420.D  
Acq: 11 Nov 2022 15:47

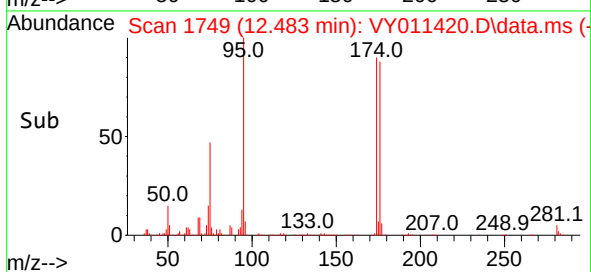
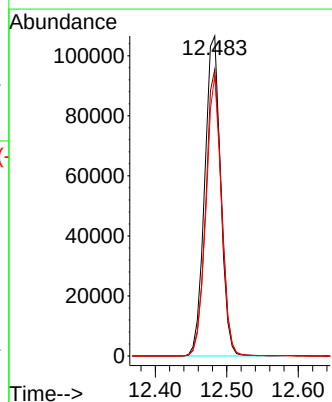
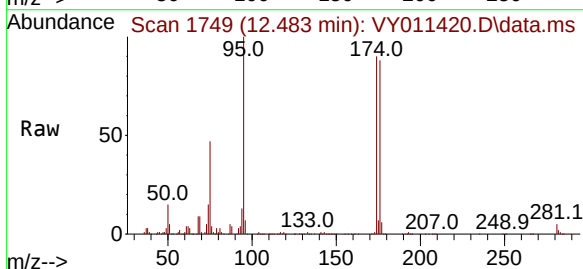
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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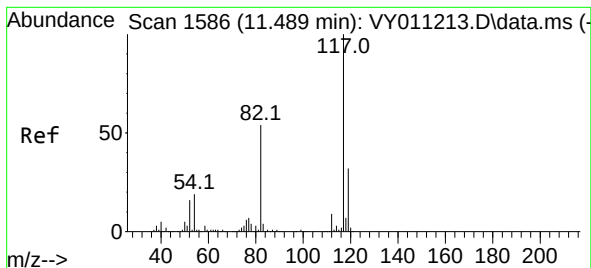
Tgt Ion: 98 Resp: 567504  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 47.178 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011420.D  
Acq: 11 Nov 2022 15:47

Tgt Ion: 95 Resp: 164468  
Ion Ratio Lower Upper  
95 100  
174 89.2 0.0 177.0  
176 85.1 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY011420.D

Acq: 11 Nov 2022 15:47

Instrument :

MSVOA\_Y

ClientSampleId :

SB-06

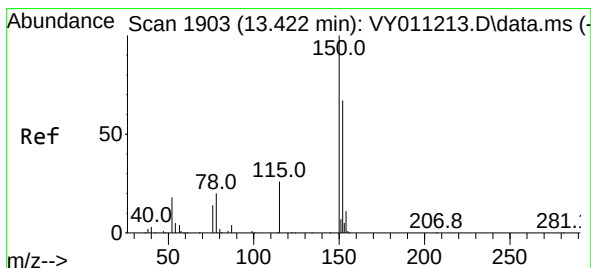
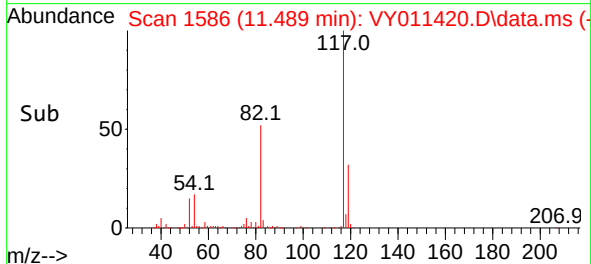
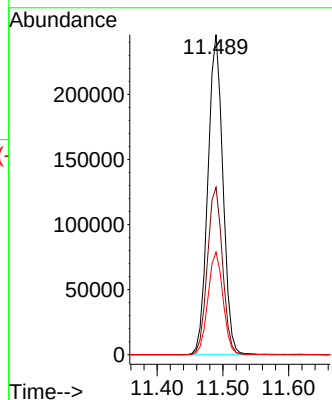
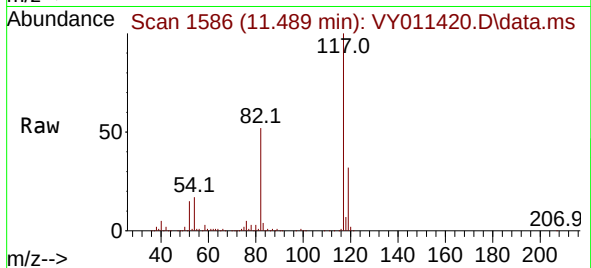
Tgt Ion:117 Resp: 391229

Ion Ratio Lower Upper

117 100

82 52.3 43.0 64.4

119 32.1 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: VY011420.D

Acq: 11 Nov 2022 15:47

Tgt Ion:152 Resp: 152819

Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.7

150 157.9 0.0 347.6

