

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102622\  
 Data File : VY011123.D  
 Acq On : 26 Oct 2022 17:51  
 Operator : KP/MD  
 Sample : N5281-12  
 Misc : 4.86g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-11

Quant Time: Oct 27 04:40:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 322680   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 570637   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.483 | 117  | 506238   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 230060   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 121402   | 40.844   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 81.680% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 130956   | 40.772   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 81.540% |
| 50) Toluene-d8              | 10.173 | 98    | 424635   | 35.639   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 71.280% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 153478   | 35.471   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 70.940% |

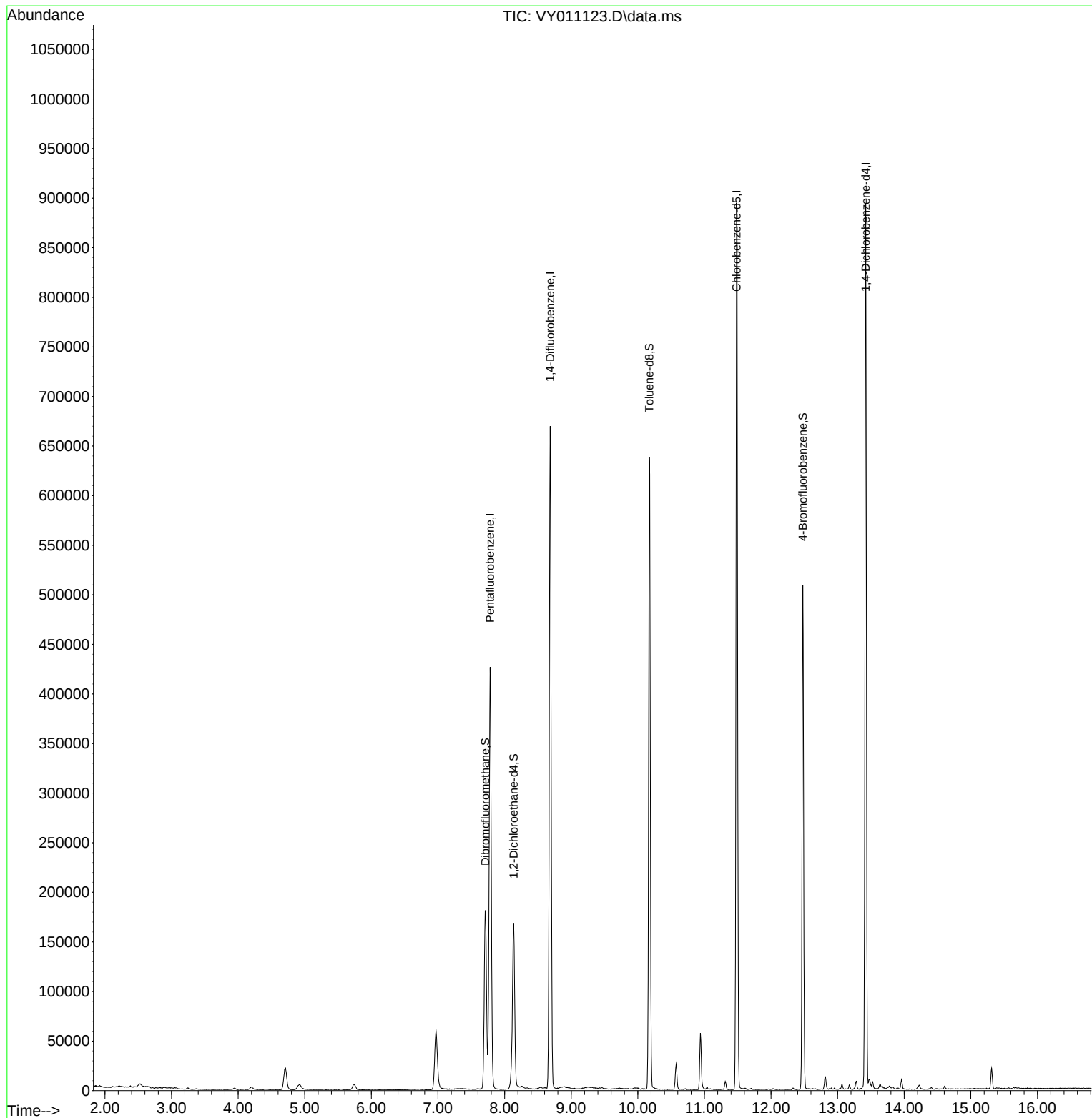
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

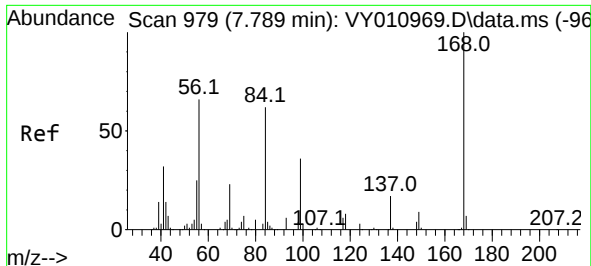
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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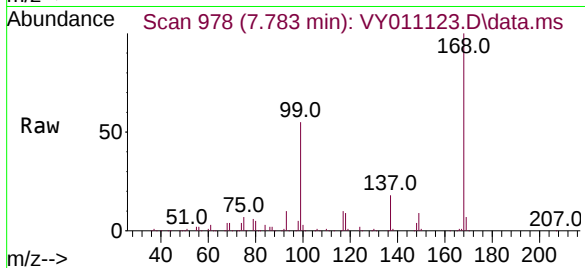
Quant Time: Oct 27 04:40:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 18 01:42:42 2022  
Response via : Initial Calibration



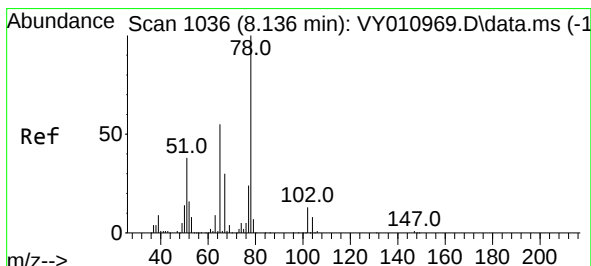
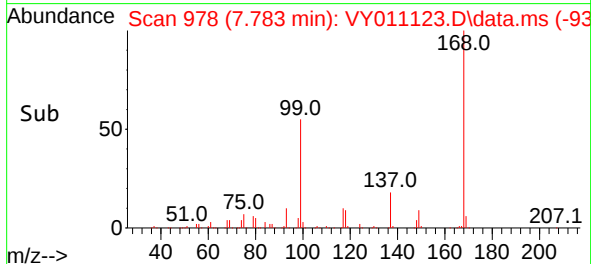
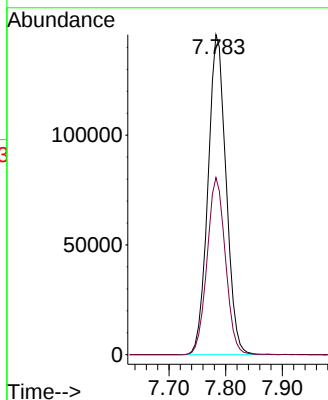


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011123.D  
Acq: 26 Oct 2022 17:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11

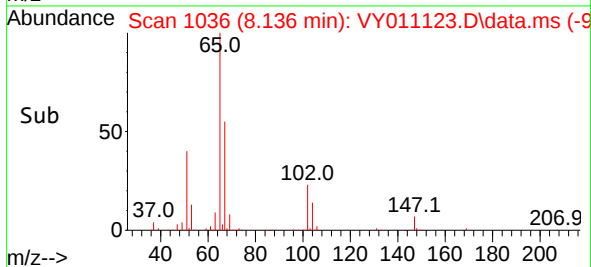
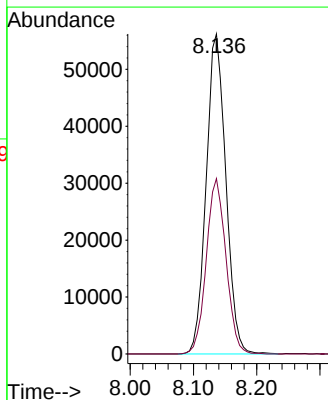
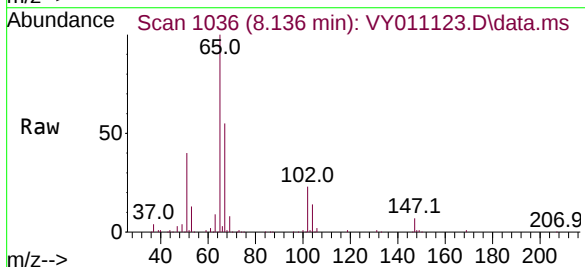


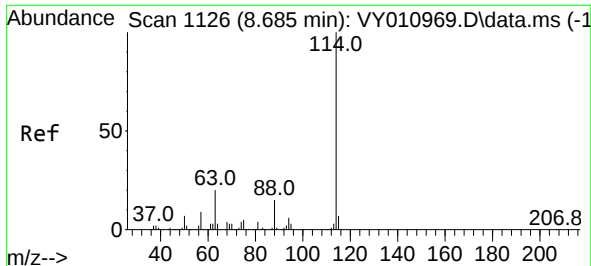
Tgt Ion:168 Resp: 322680  
Ion Ratio Lower Upper  
168 100  
99 55.3 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 40.844 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011123.D  
Acq: 26 Oct 2022 17:51

Tgt Ion: 65 Resp: 121402  
Ion Ratio Lower Upper  
65 100  
67 54.9 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: VY011123.D

Acq: 26 Oct 2022 17:51

Instrument :

MSVOA\_Y

ClientSampleId :

SB-11

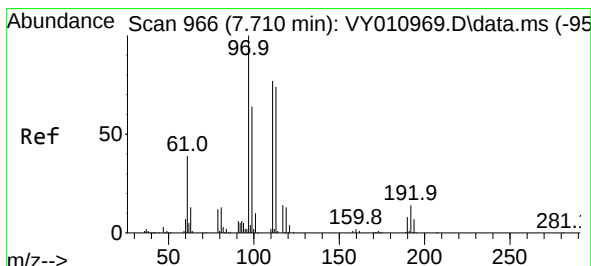
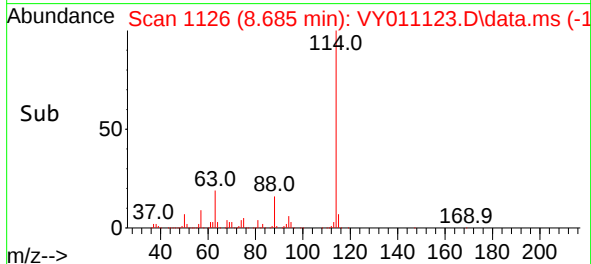
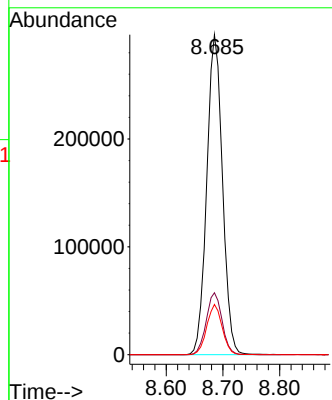
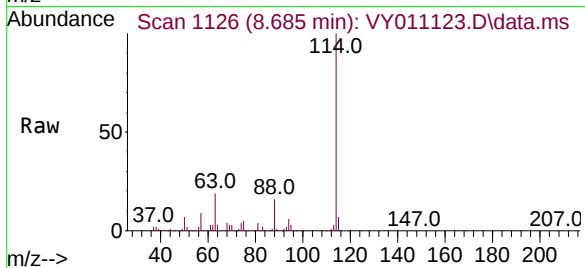
Tgt Ion:114 Resp: 570637

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.772 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011123.D

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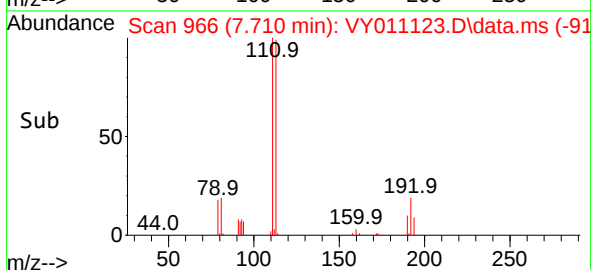
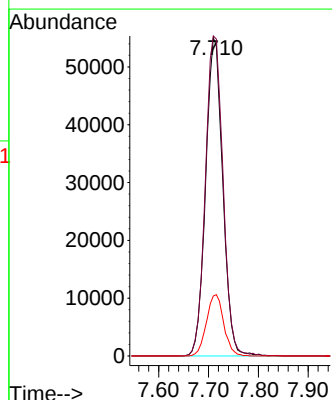
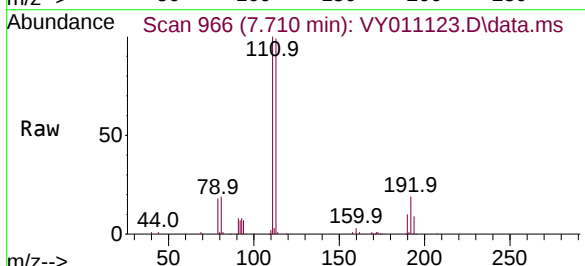
Tgt Ion:113 Resp: 130956

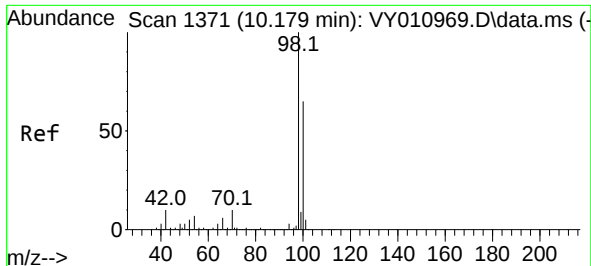
Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

192 19.5 17.6 26.4

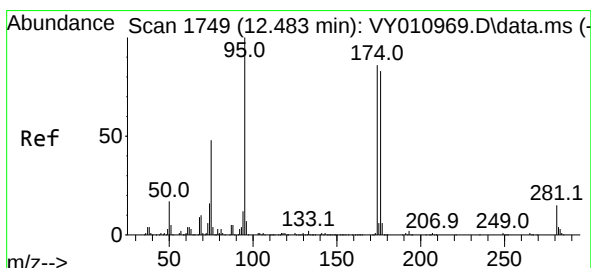
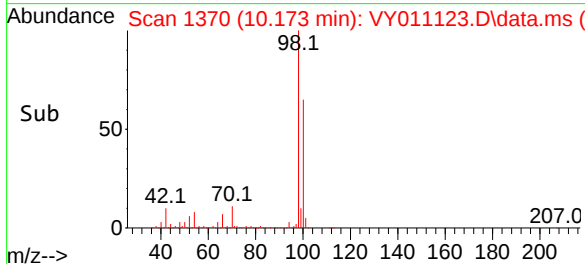
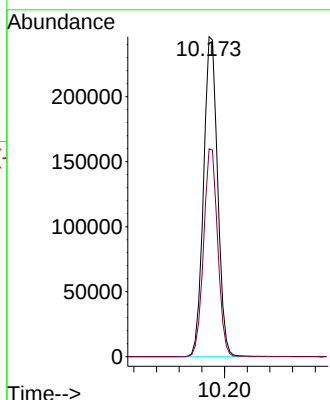
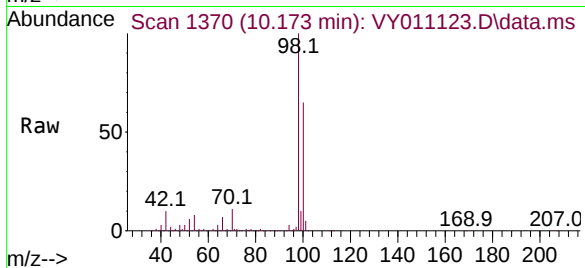




#50  
Toluene-d8  
Concen: 35.639 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011123.D  
Acq: 26 Oct 2022 17:51

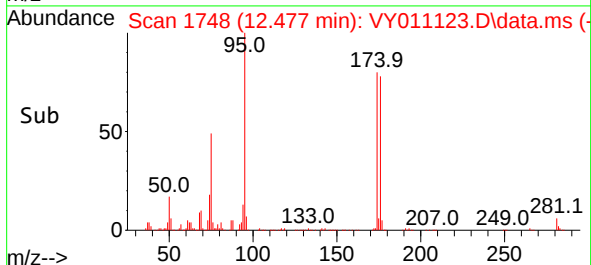
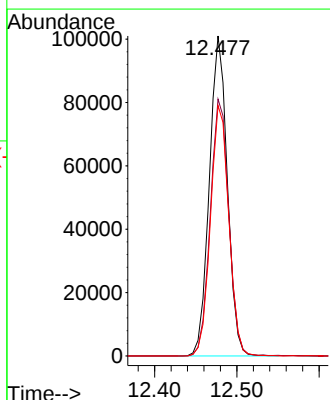
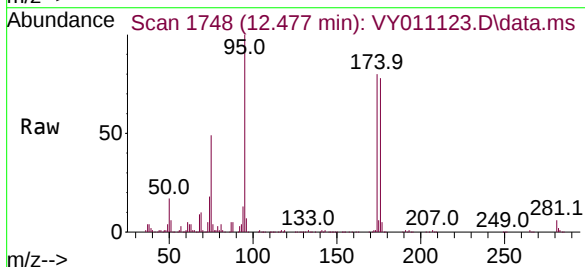
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11

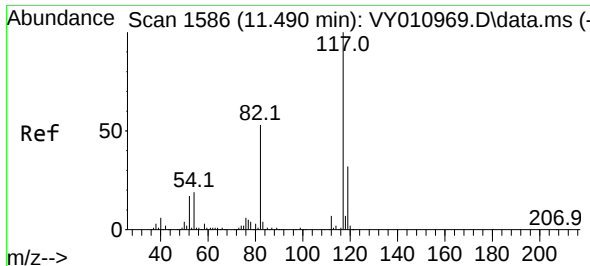
Tgt Ion: 98 Resp: 424635  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 35.471 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011123.D  
Acq: 26 Oct 2022 17:51

Tgt Ion: 95 Resp: 153478  
Ion Ratio Lower Upper  
95 100  
174 82.5 0.0 177.0  
176 79.7 0.0 175.8

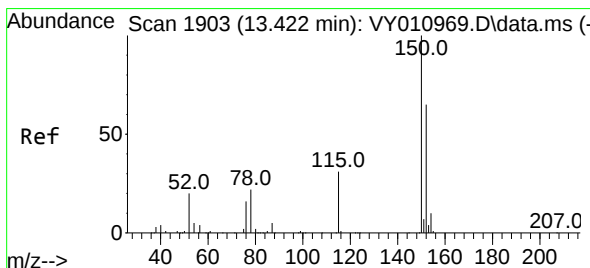
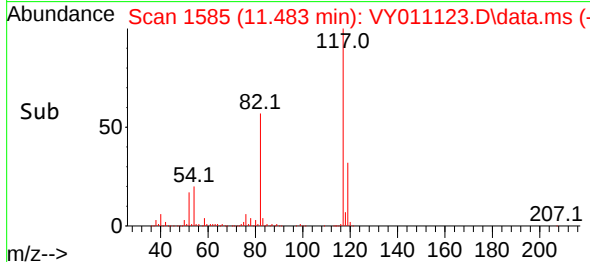
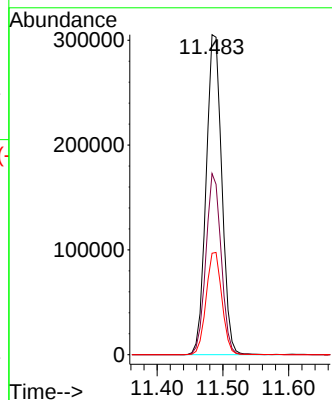
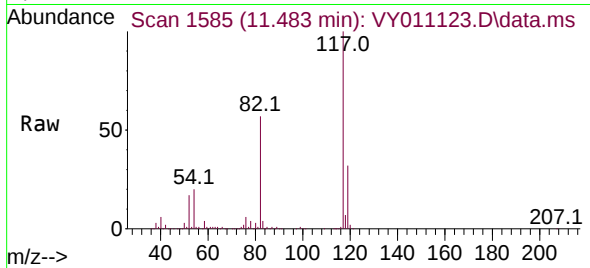




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VY011123.D  
Acq: 26 Oct 2022 17:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11

Tgt Ion:117 Resp: 506238  
Ion Ratio Lower Upper  
117 100  
82 56.6 43.0 64.4  
119 31.7 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: VY011123.D  
Acq: 26 Oct 2022 17:51

Tgt Ion:152 Resp: 230060  
Ion Ratio Lower Upper  
152 100  
115 58.2 28.2 84.7  
150 156.0 0.0 347.6

