

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092322\  
 Data File : VY010652.D  
 Acq On : 23 Sep 2022 16:33  
 Operator : KP/MD  
 Sample : N4724-03  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-10-8.5-9.0

Quant Time: Sep 24 01:22:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 31050    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 58129    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 61176    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 25960    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 17580    | 59.195   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 118.380% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 15203    | 40.981   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 81.960%  |
| 50) Toluene-d8              | 10.179 | 98    | 51745    | 38.506   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 77.020%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 15454    | 29.250   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 58.500%  |

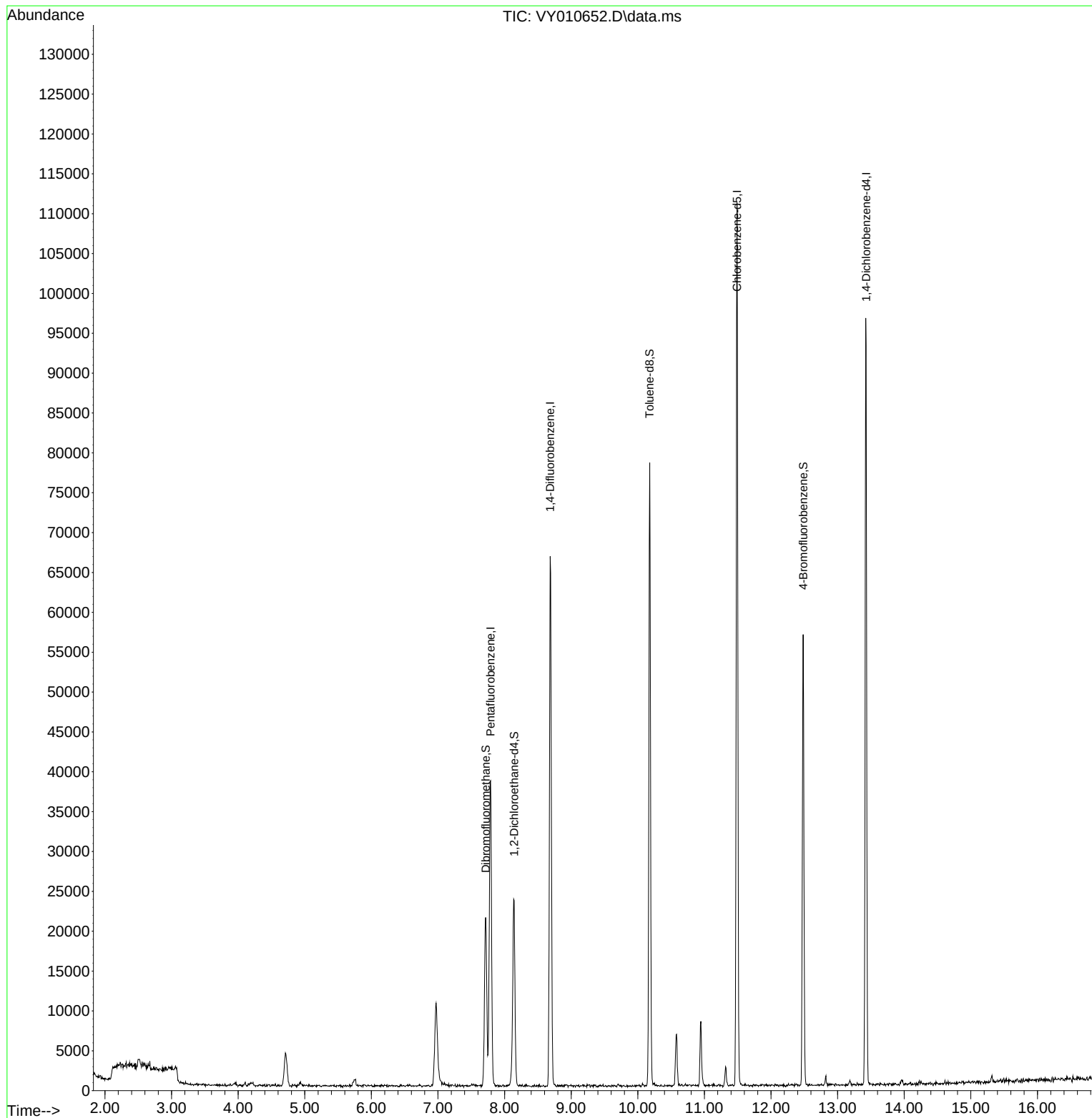
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

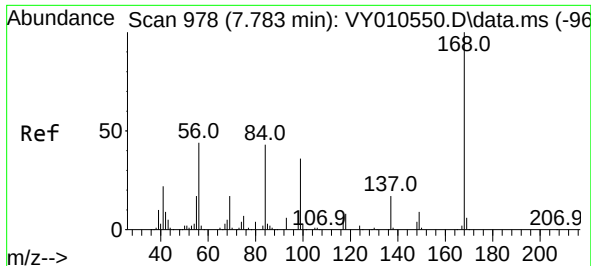
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

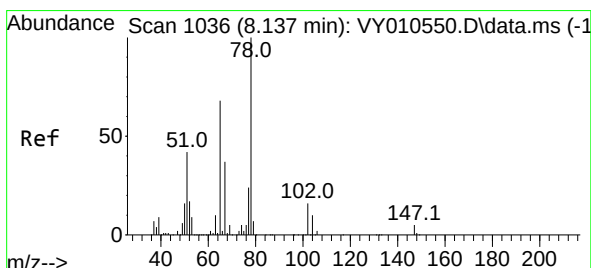
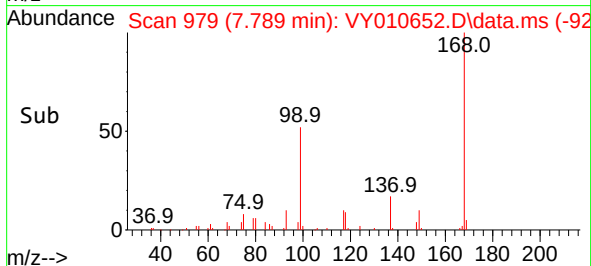
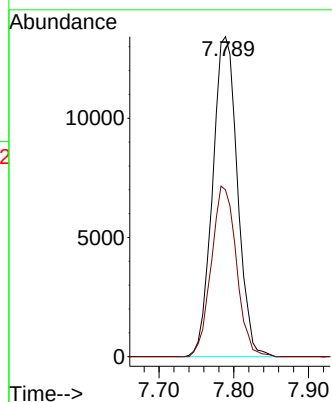
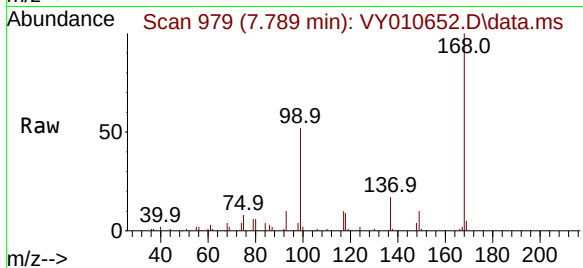




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010652.D  
Acq: 23 Sep 2022 16:33

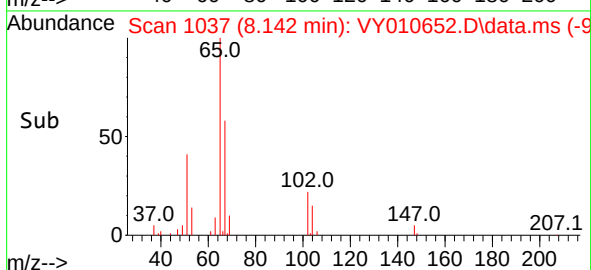
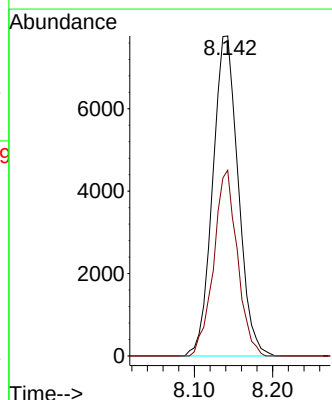
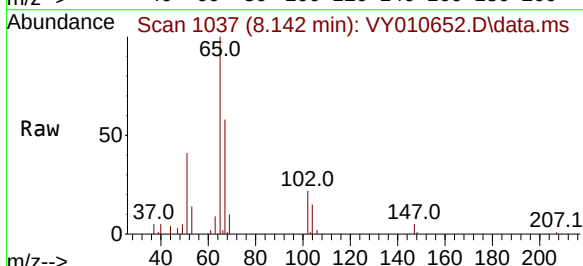
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10-8.5-9.0

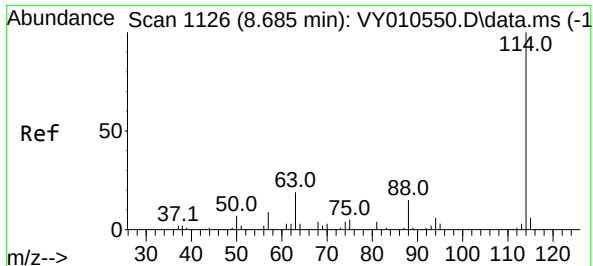
Tgt Ion:168 Resp: 31050  
Ion Ratio Lower Upper  
168 100  
99 52.1 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 59.195 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.005 min  
Lab File: VY010652.D  
Acq: 23 Sep 2022 16:33

Tgt Ion: 65 Resp: 17580  
Ion Ratio Lower Upper  
65 100  
67 54.0 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: VY010652.D

Acq: 23 Sep 2022 16:33

Instrument :

MSVOA\_Y

ClientSampleId :

SB-10-8.5-9.0

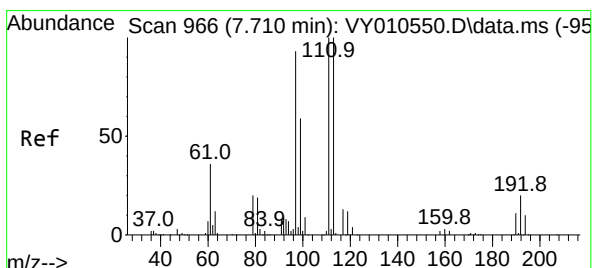
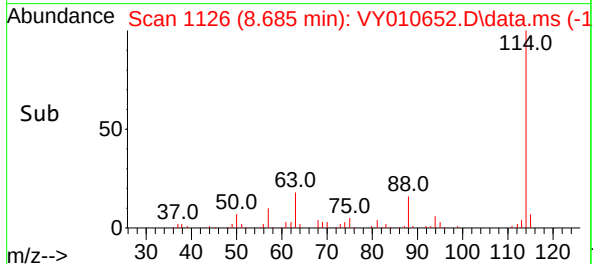
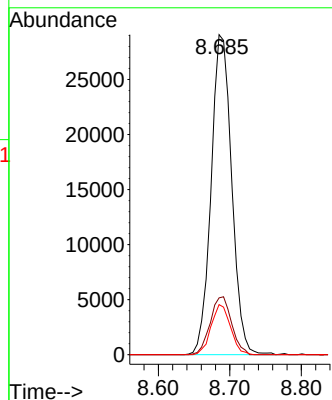
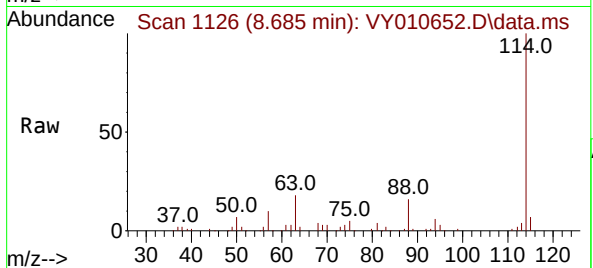
Tgt Ion:114 Resp: 58129

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.981 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010652.D

Acq: 23 Sep 2022 16:33

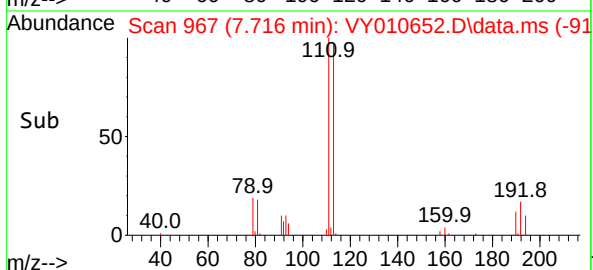
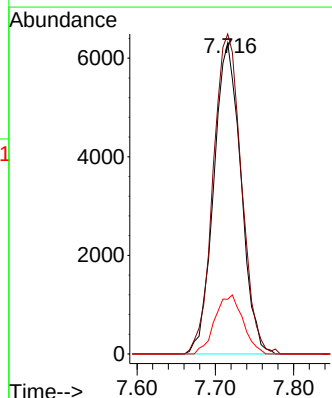
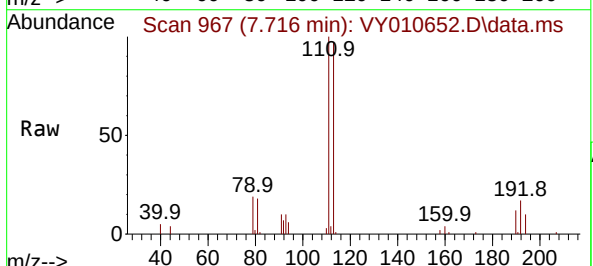
Tgt Ion:113 Resp: 15203

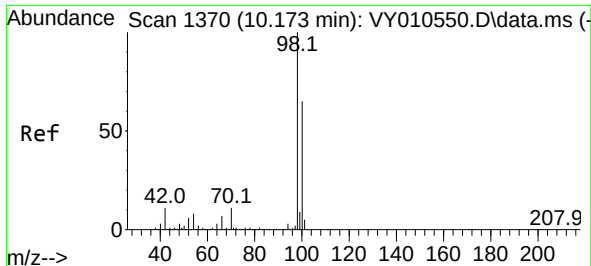
Ion Ratio Lower Upper

113 100

111 106.6 82.6 124.0

192 19.5 17.6 26.4

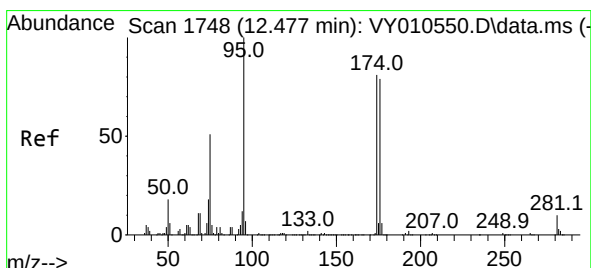
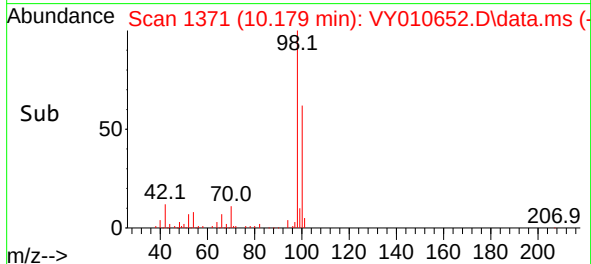
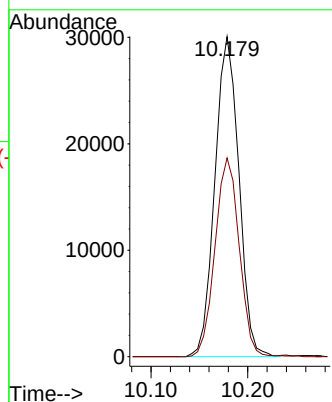
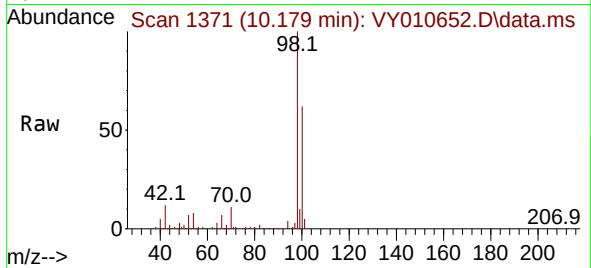




#50  
Toluene-d8  
Concen: 38.506 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010652.D  
Acq: 23 Sep 2022 16:33

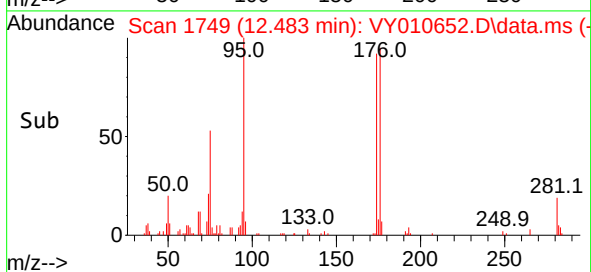
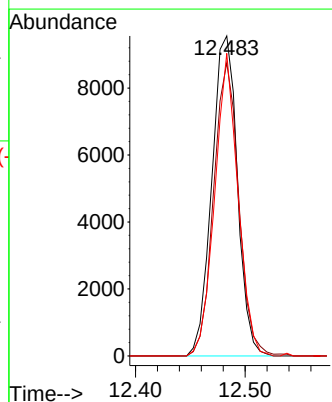
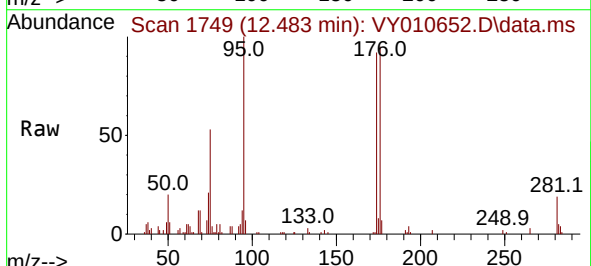
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10-8.5-9.0

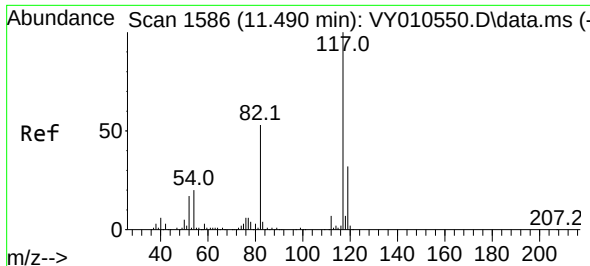
Tgt Ion: 98 Resp: 51745  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 29.250 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY010652.D  
Acq: 23 Sep 2022 16:33

Tgt Ion: 95 Resp: 15454  
Ion Ratio Lower Upper  
95 100  
174 90.1 0.0 177.0  
176 86.2 0.0 175.8

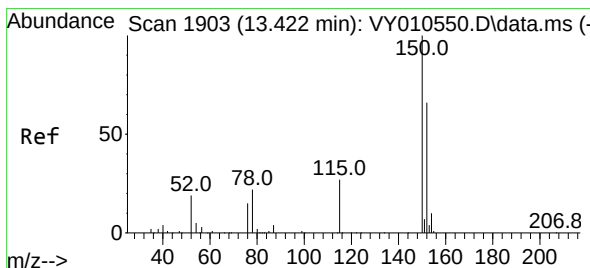
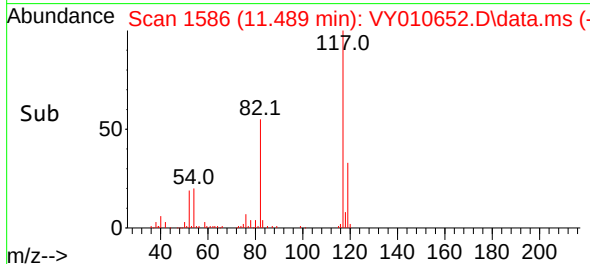
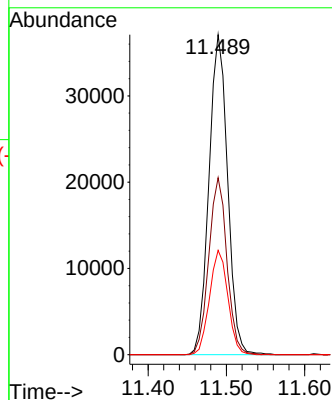
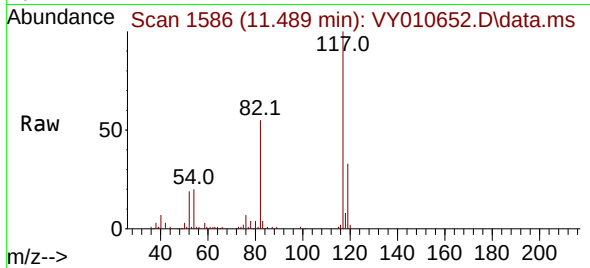




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010652.D  
Acq: 23 Sep 2022 16:33

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10-8.5-9.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.3  | 43.0  | 64.4  |
| 119     | 32.6  | 25.4  | 38.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY010652.D  
Acq: 23 Sep 2022 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.9  | 28.2  | 84.7  |
| 150     | 155.8 | 0.0   | 347.6 |

