

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050421\  
 Data File : VY004708.D  
 Acq On : 04 May 2021 12:25  
 Operator : SY/MD  
 Sample : M2263-02  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-1A

Quant Time: May 05 01:32:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 21814    | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 34631    | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 27209    | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 10626    | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.148  | 65    | 10027    | 41.37    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 82.74%   |
| 35) Dibromofluoromethane    | 7.728  | 113   | 8782     | 45.70    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 91.40%   |
| 50) Toluene-d8              | 10.184 | 98    | 40975    | 50.12    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 100.24%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 10347    | 37.30    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 74.60%   |

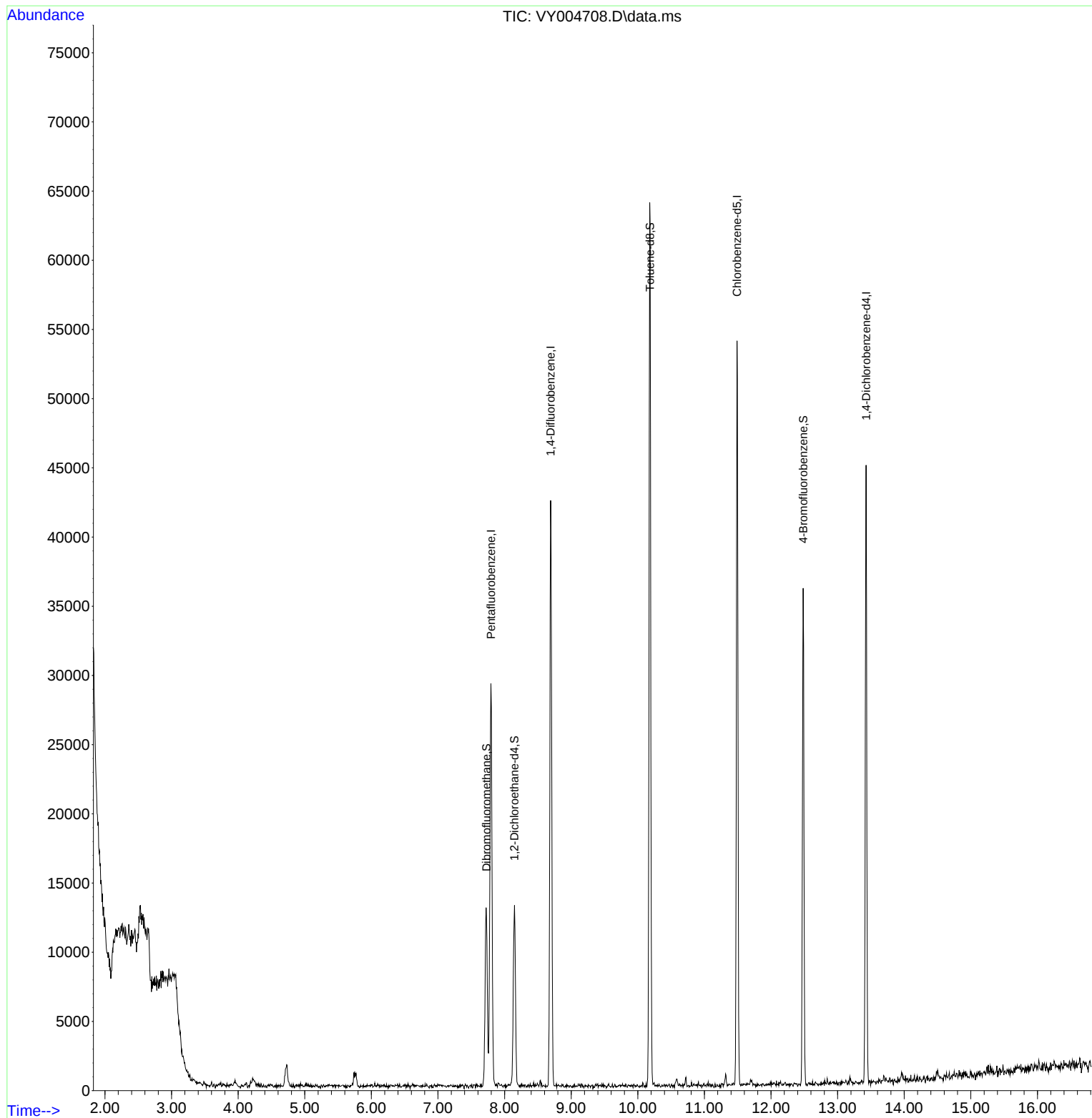
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

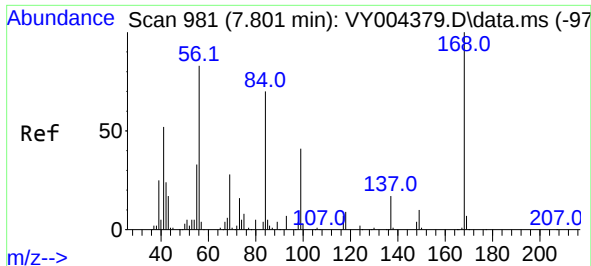
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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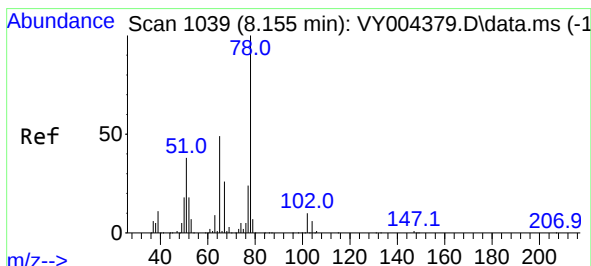
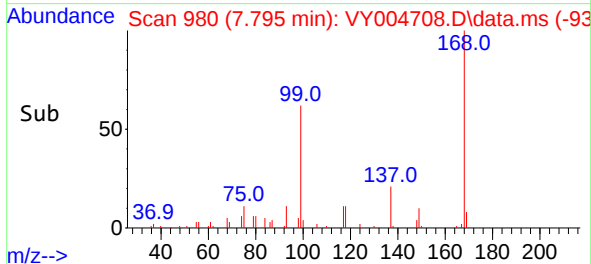
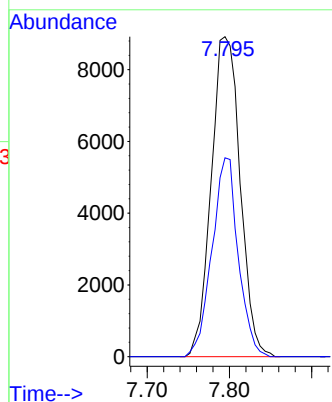
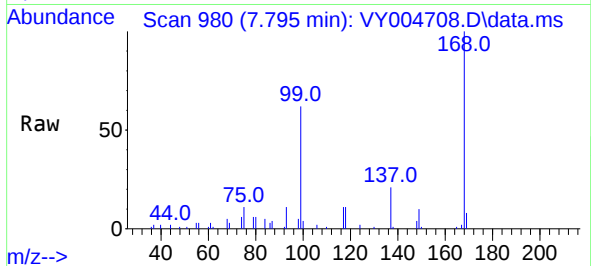




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY004708.D  
Acq: 04 May 2021 12:25

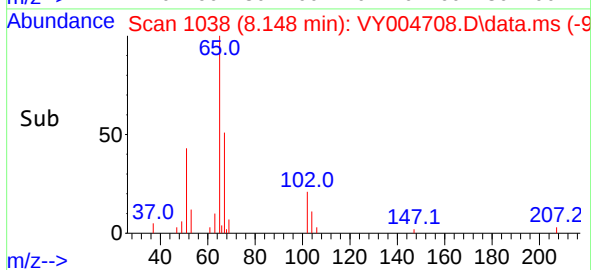
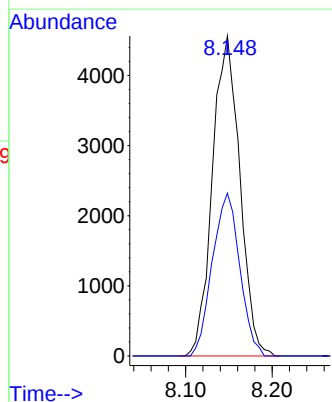
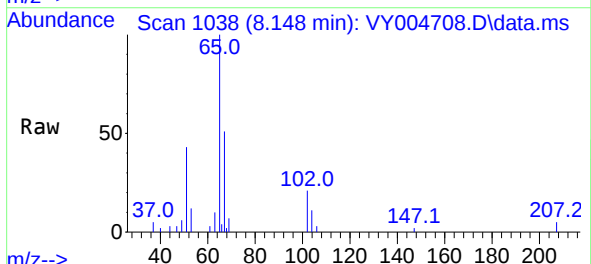
Instrument :  
MSVOA\_Y  
ClientSampled :  
S-1A

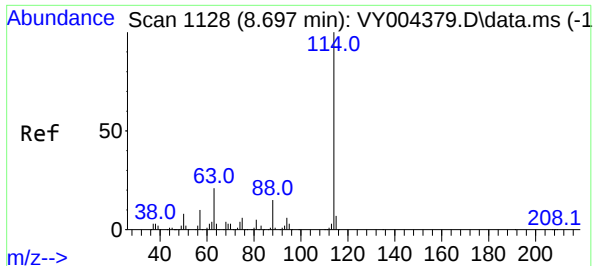
Tgt Ion:168 Resp: 21814  
Ion Ratio Lower Upper  
168 100  
99 62.2 45.5 68.3



#33  
1,2-Dichloroethane-d4  
Concen: 41.37 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004708.D  
Acq: 04 May 2021 12:25

Tgt Ion: 65 Resp: 10027  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 106.4



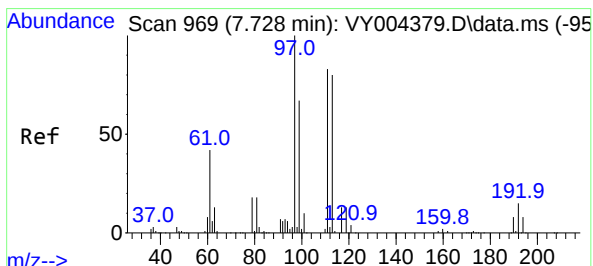
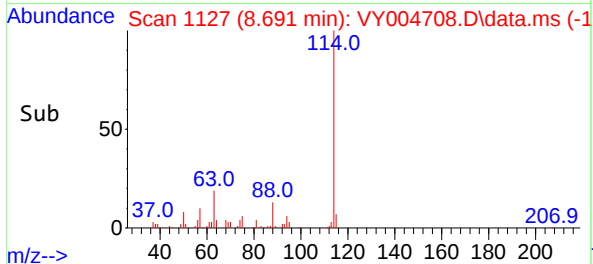
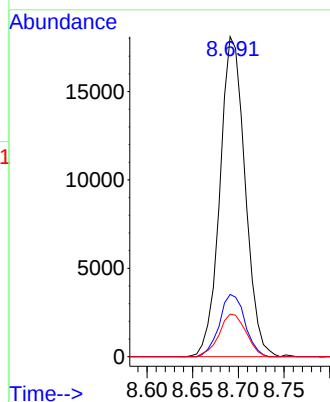
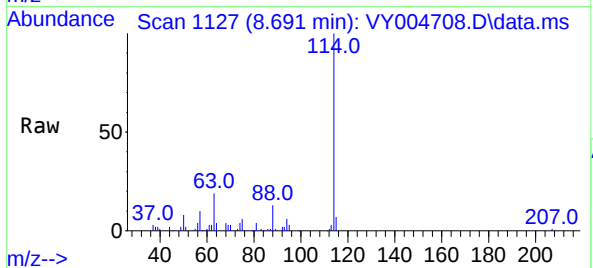


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY004708.D  
Acq: 04 May 2021 12:25

Instrument :  
MSVOA\_Y  
ClientSampled :  
S-1A

Tgt Ion:114 Resp: 34631

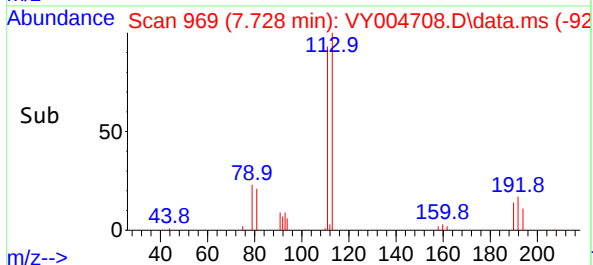
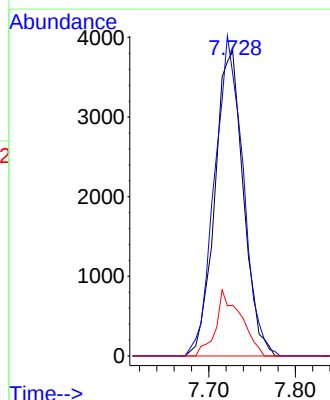
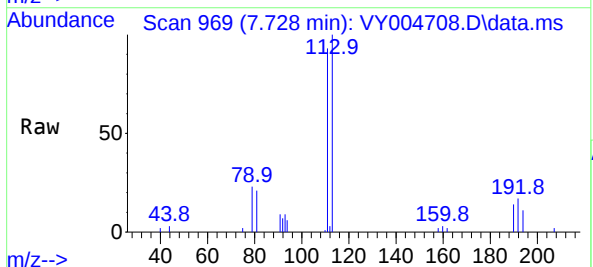
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.5  | 0.0   | 42.4  |
| 88  | 13.3  | 0.0   | 30.8  |

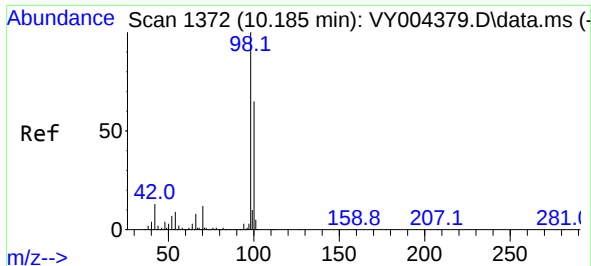


#35  
Dibromofluoromethane  
Concen: 45.70 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004708.D  
Acq: 04 May 2021 12:25

Tgt Ion:113 Resp: 8782

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.7 | 82.6  | 123.8 |
| 192 | 18.9  | 16.1  | 24.1  |

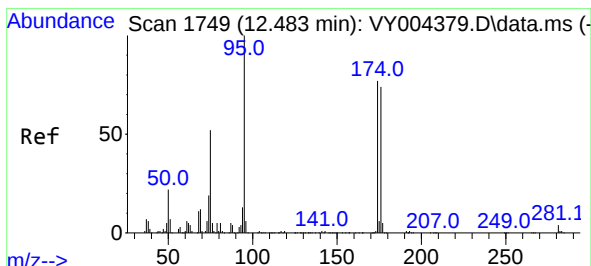
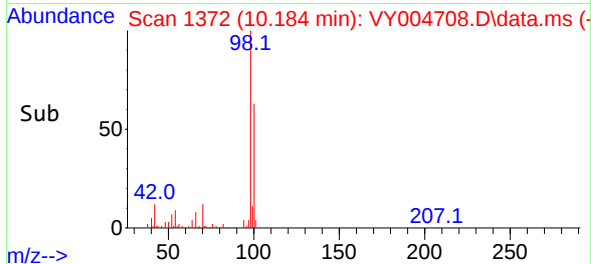
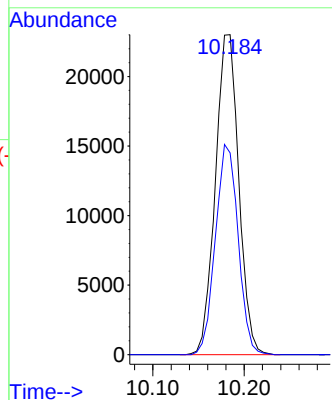
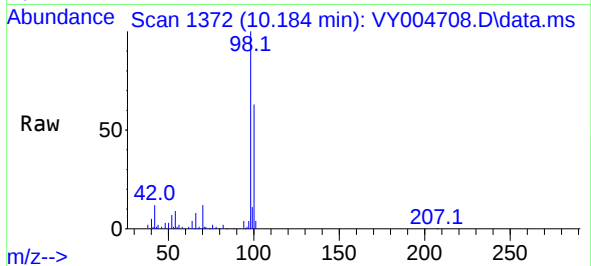




#50  
Toluene-d8  
Concen: 50.12 ug/l  
RT: 10.184 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004708.D  
Acq: 04 May 2021 12:25

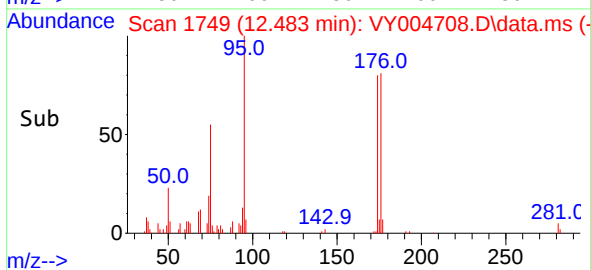
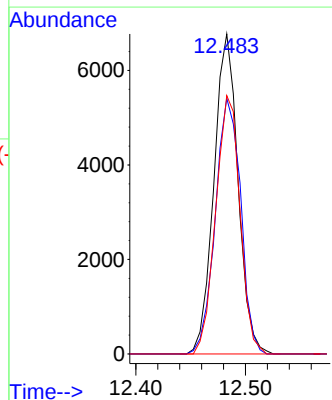
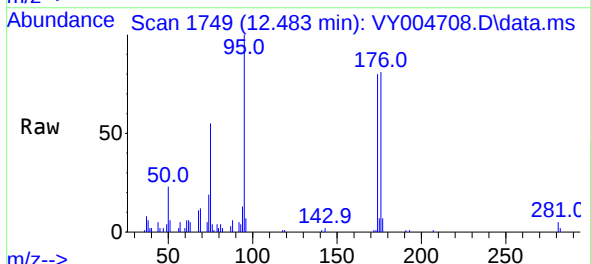
Instrument :  
MSVOA\_Y  
ClientSampled :  
S-1A

Tgt Ion: 98 Resp: 40975  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 37.30 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY004708.D  
Acq: 04 May 2021 12:25

Tgt Ion: 95 Resp: 10347  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 162.4  
176 81.3 0.0 156.0

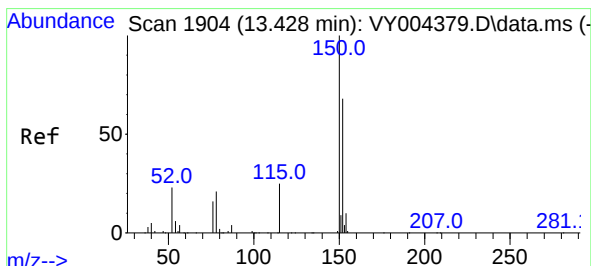
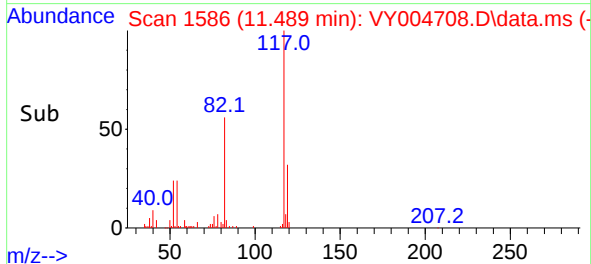
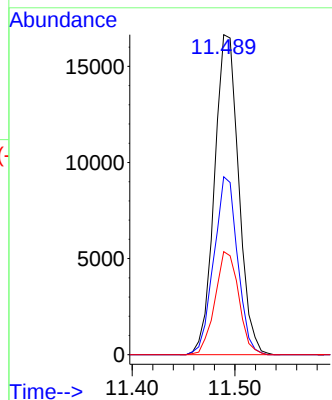
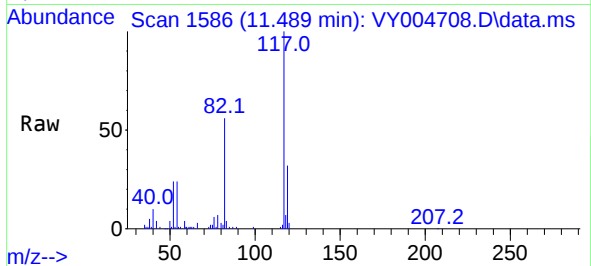




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY004708.D  
Acq: 04 May 2021 12:25

Instrument :  
MSVOA\_Y  
ClientSampled :  
S-1A

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 27209 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.6  | 44.9  | 67.3  |
| 119      | 32.2  | 25.4  | 38.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004708.D  
Acq: 04 May 2021 12:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 10626 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 57.5  | 29.6  | 88.8  |
| 150      | 159.5 | 0.0   | 348.4 |

