

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041822\  
 Data File : VY008378.D  
 Acq On : 18 Apr 2022 17:06  
 Operator : KP/MD  
 Sample : N2427-04  
 Misc : 5.99g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-4

Quant Time: Apr 19 06:31:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 92831    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 170754   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 169563   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 76843    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 57674    | 66.141   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 132.280% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 55451    | 56.224   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.440% |
| 50) Toluene-d8              | 10.179 | 98    | 210923   | 62.501   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 125.000% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 71424    | 56.269   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 112.540% |

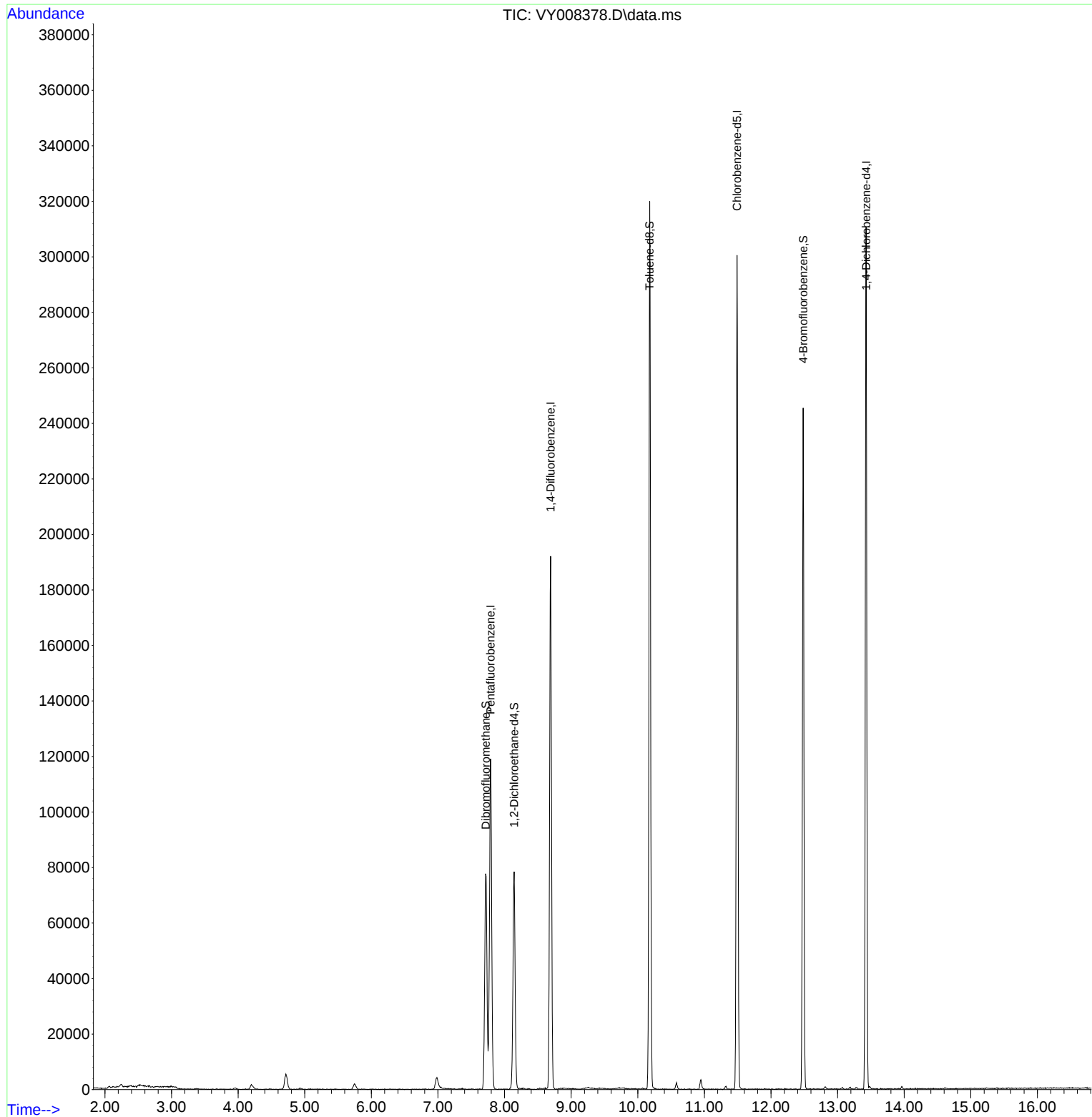
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

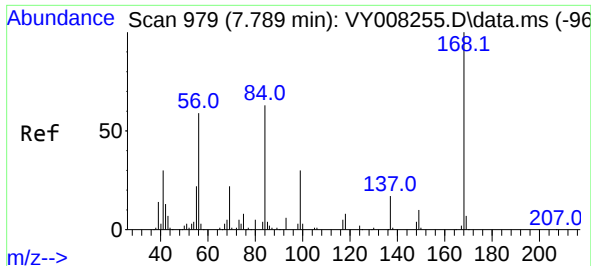
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041822\  
Data File : VY008378.D  
Acq On : 18 Apr 2022 17:06  
Operator : KP/MD  
Sample : N2427-04  
Misc : 5.99g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4

Quant Time: Apr 19 06:31:45 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

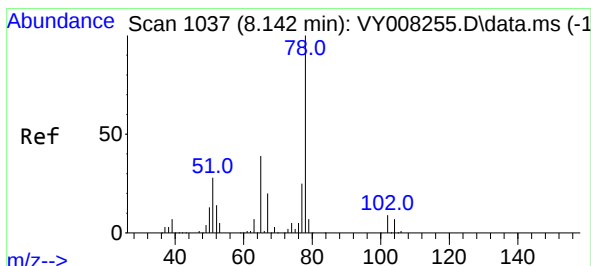
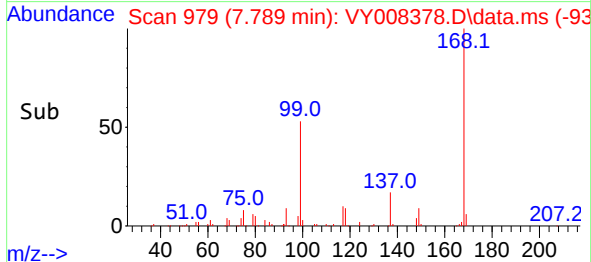
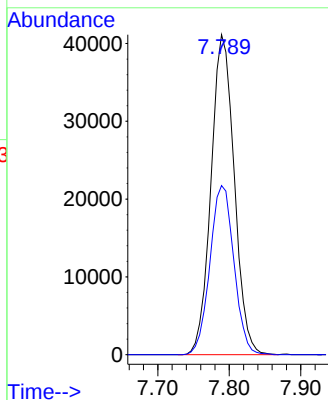
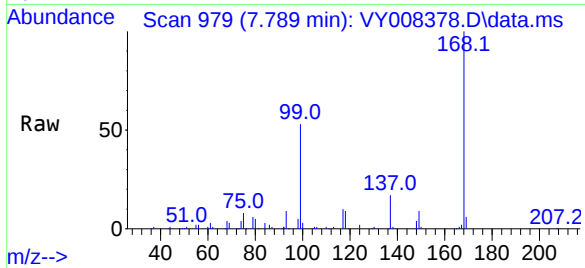




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008378.D  
Acq: 18 Apr 2022 17:06

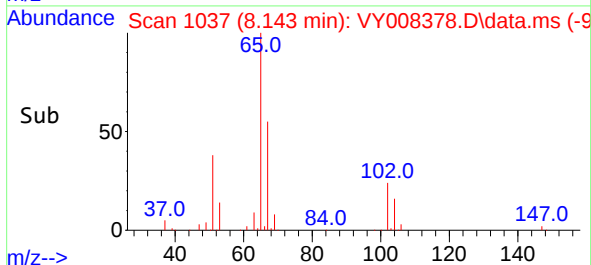
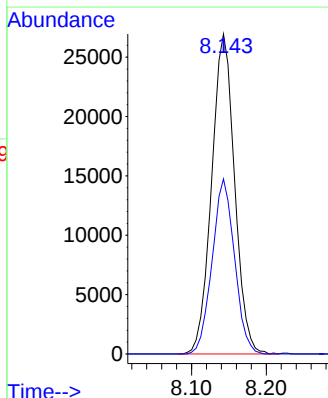
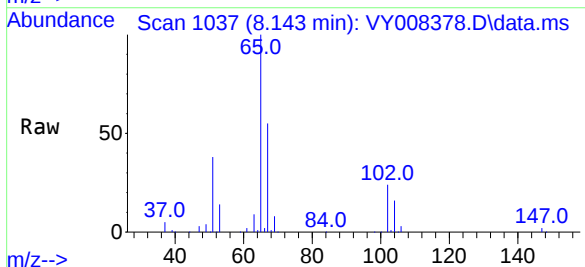
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4

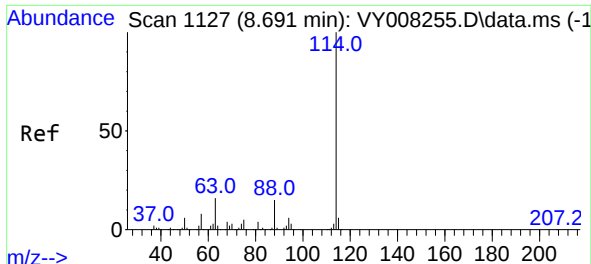
Tgt Ion:168 Resp: 92831  
Ion Ratio Lower Upper  
168 100  
99 52.8 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 66.141 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008378.D  
Acq: 18 Apr 2022 17:06

Tgt Ion: 65 Resp: 57674  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 99.4



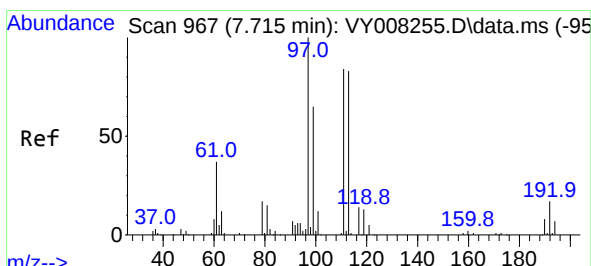
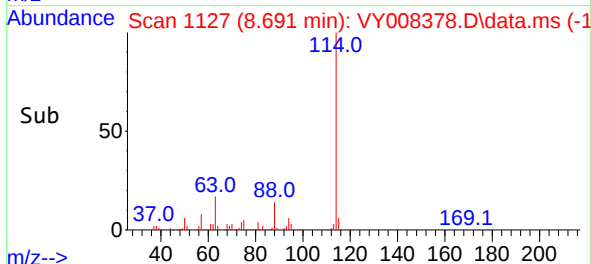
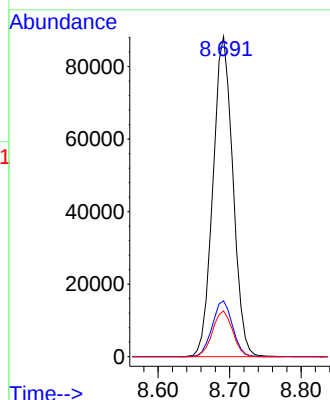
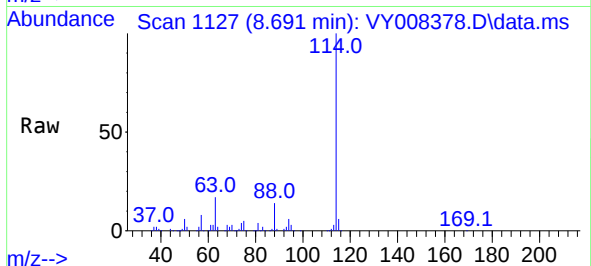


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY008378.D  
Acq: 18 Apr 2022 17:06

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4

Tgt Ion:114 Resp: 170754

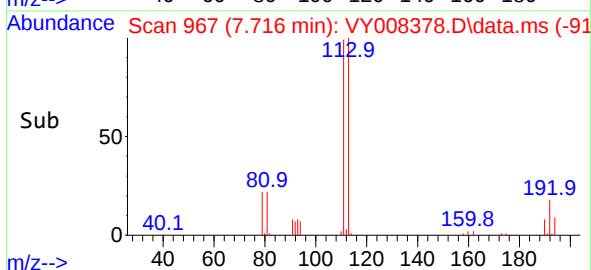
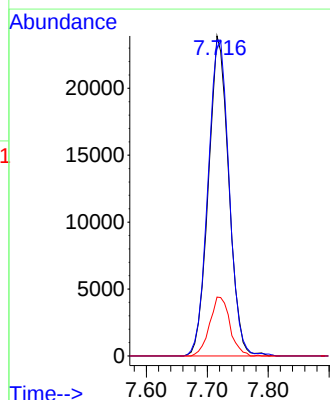
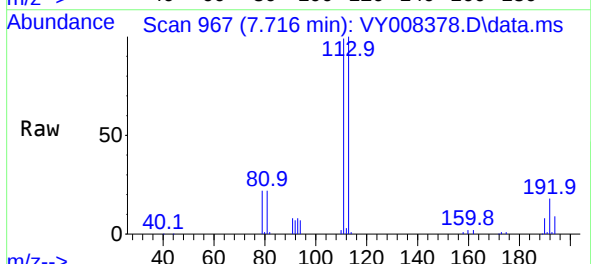
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 17.5  | 0.0   | 43.2  |
| 88  | 14.3  | 0.0   | 31.8  |

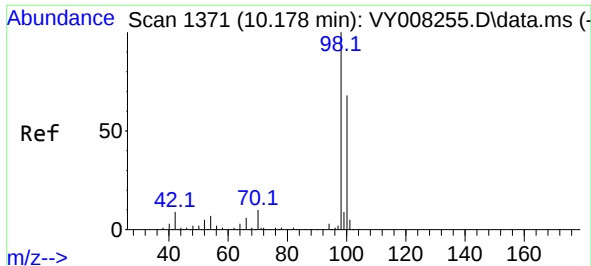


#35  
Dibromofluoromethane  
Concen: 56.224 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.001 min  
Lab File: VY008378.D  
Acq: 18 Apr 2022 17:06

Tgt Ion:113 Resp: 55451

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.9 | 82.6  | 124.0 |
| 192 | 18.3  | 17.6  | 26.4  |

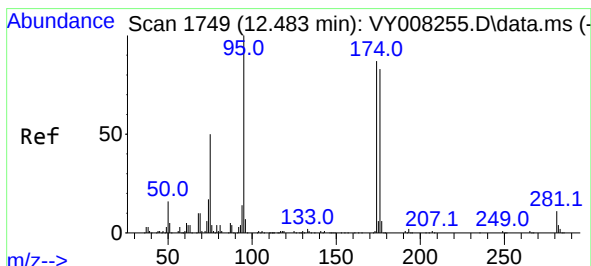
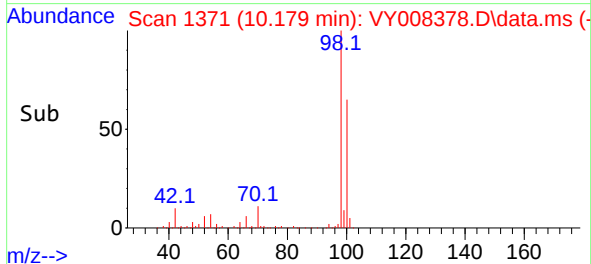
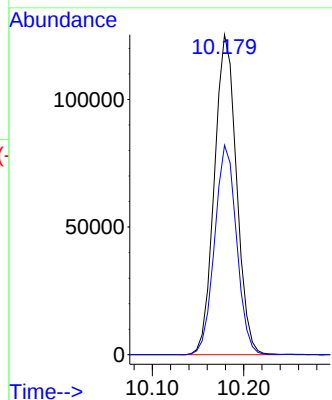
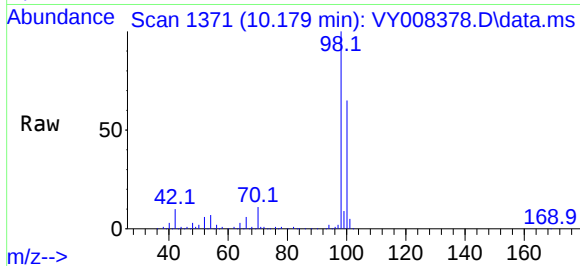




#50  
Toluene-d8  
Concen: 62.501 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008378.D  
Acq: 18 Apr 2022 17:06

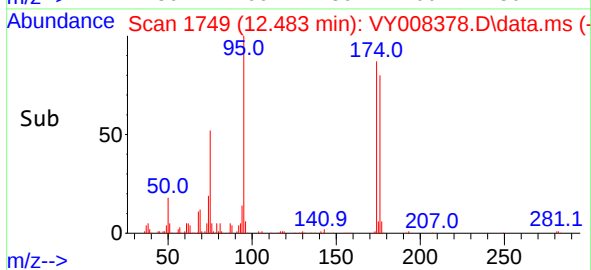
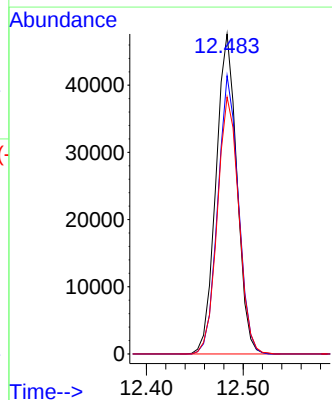
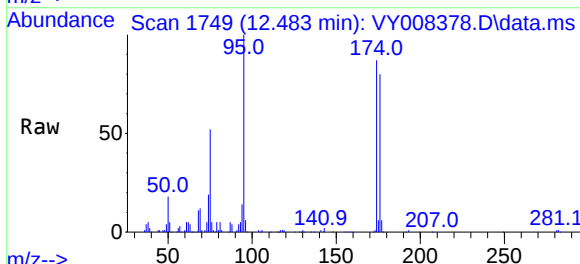
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4

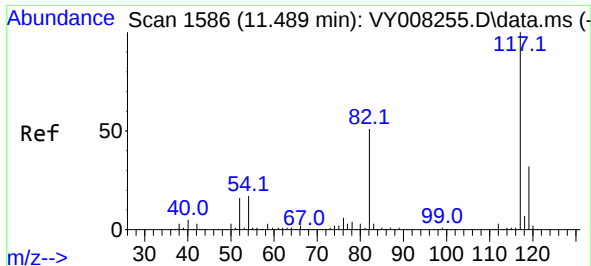
Tgt Ion: 98 Resp: 210923  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 56.269 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008378.D  
Acq: 18 Apr 2022 17:06

Tgt Ion: 95 Resp: 71424  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 177.0  
176 82.0 0.0 175.8

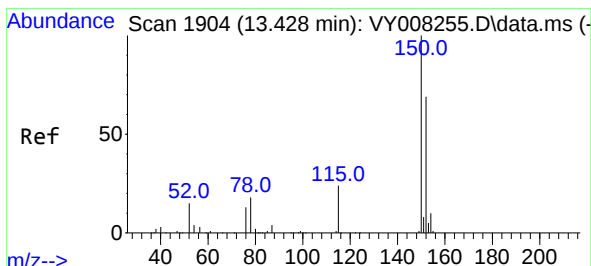
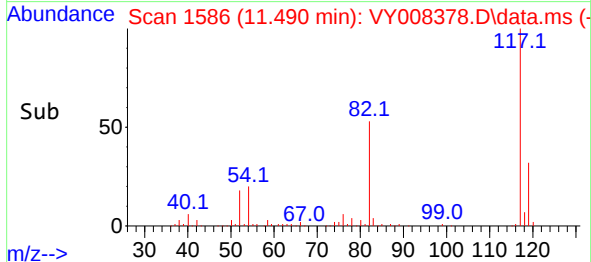
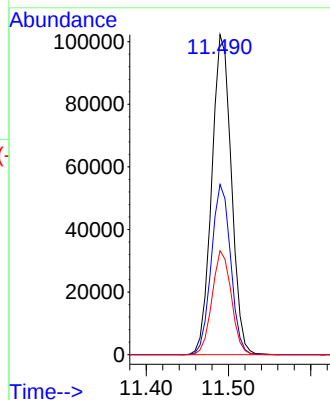
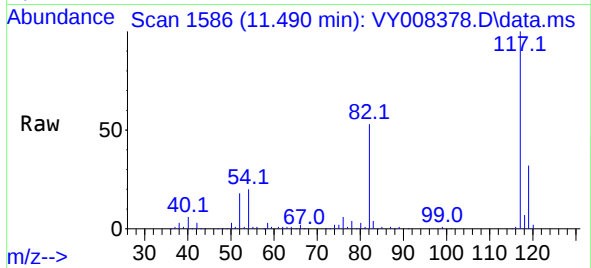




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008378.D  
Acq: 18 Apr 2022 17:06

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-4

Tgt Ion:117 Resp: 169563  
Ion Ratio Lower Upper  
117 100  
82 53.2 43.0 64.4  
119 32.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008378.D  
Acq: 18 Apr 2022 17:06

Tgt Ion:152 Resp: 76843  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.2 84.7  
150 158.9 0.0 347.6

