

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091021\  
 Data File : VY005992.D  
 Acq On : 10 Sep 2021 18:49  
 Operator : SY/MD  
 Sample : M3687-17  
 Misc : 6.28G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 A009015

Quant Time: Sep 11 01:23:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 01 05:32:43 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 178243   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 301093   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 306806   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 137632   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 98183    | 54.662   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.320% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 94236    | 55.730   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 111.460% |
| 50) Toluene-d8              | 10.185 | 98    | 377558   | 53.203   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 106.400% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 126858   | 53.237   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 106.480% |

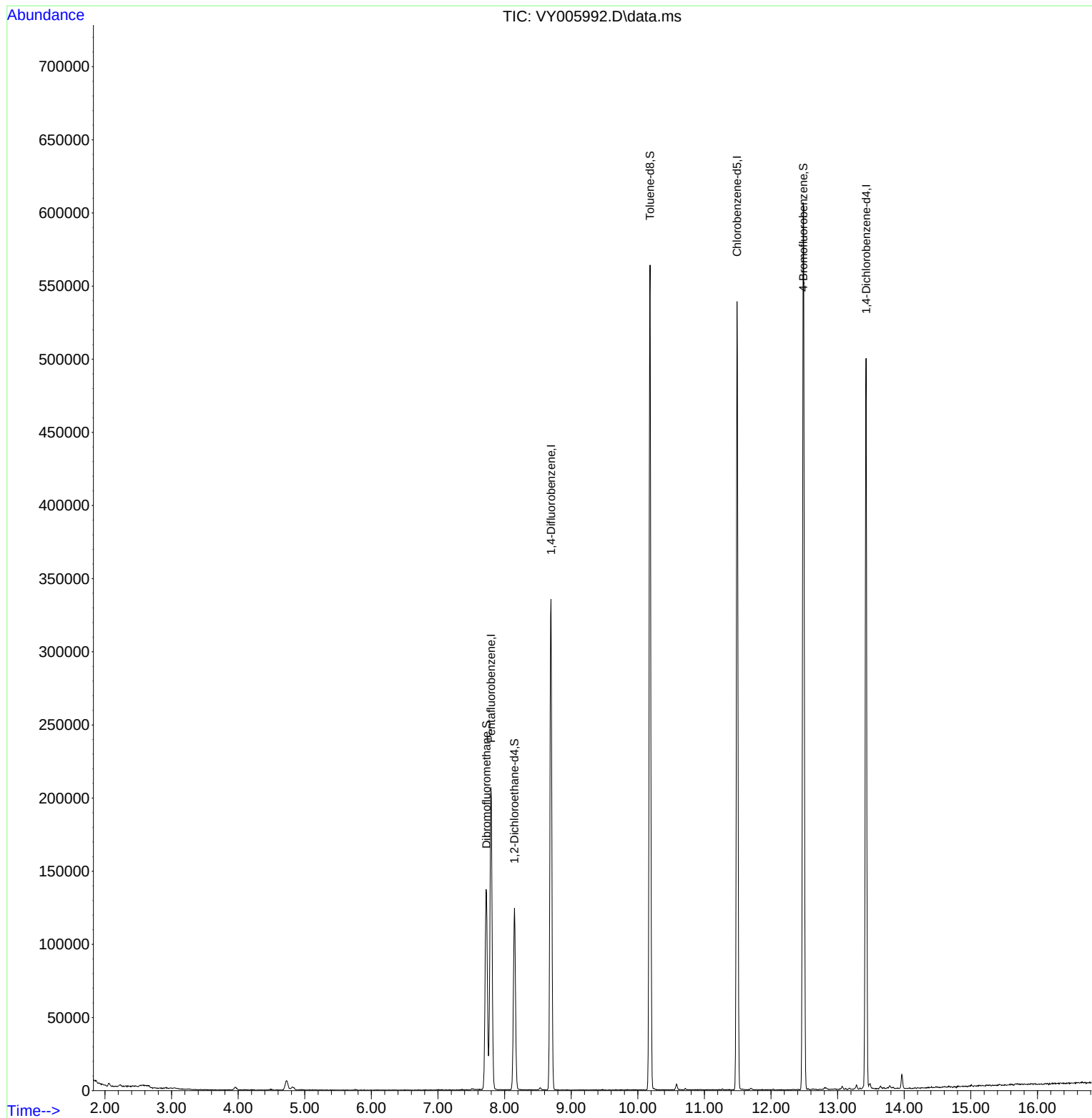
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

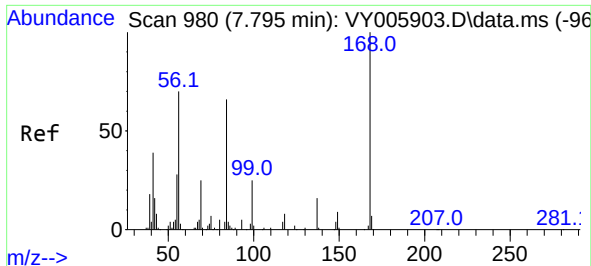
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091021\  
Data File : VY005992.D  
Acq On : 10 Sep 2021 18:49  
Operator : SY/MD  
Sample : M3687-17  
Misc : 6.28G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
A009015

Quant Time: Sep 11 01:23:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 01 05:32:43 2021  
Response via : Initial Calibration

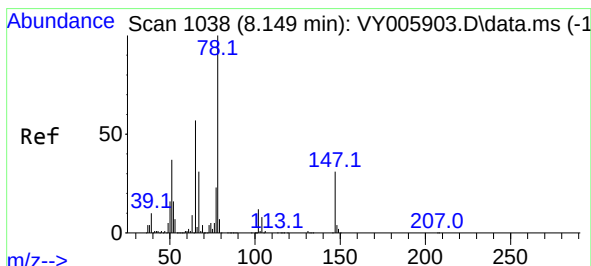
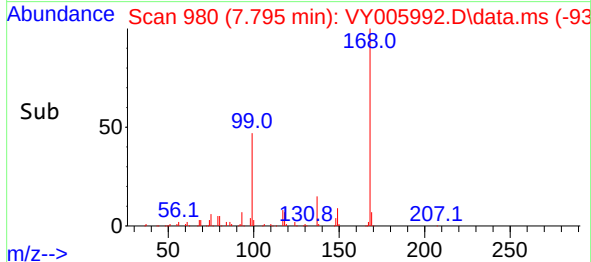
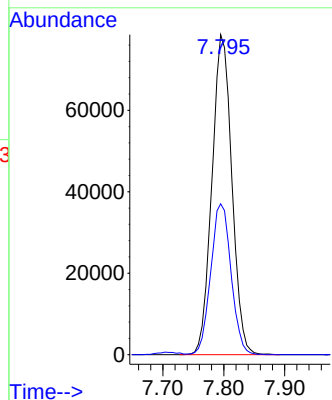
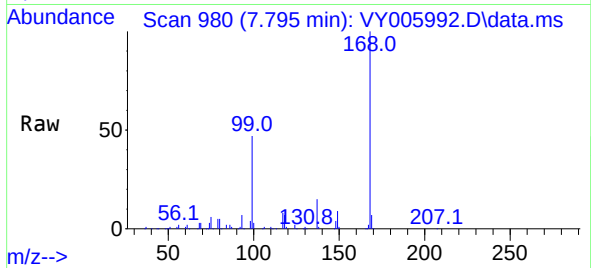




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

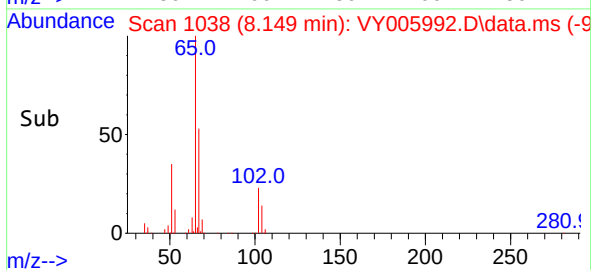
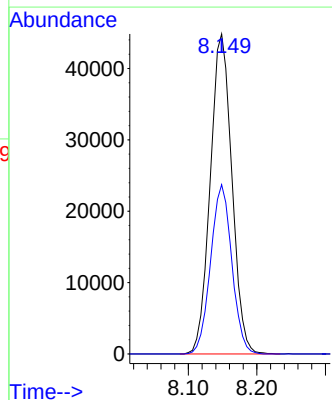
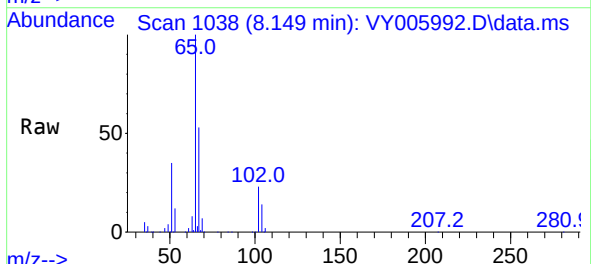
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A009015

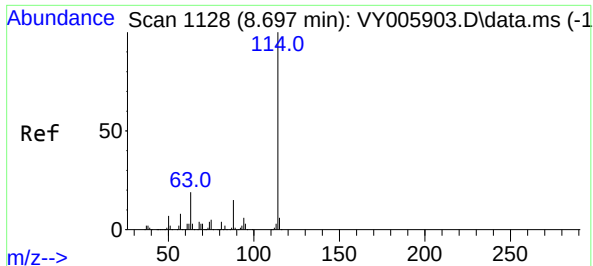
Tgt Ion:168 Resp: 178243  
Ion Ratio Lower Upper  
168 100  
99 47.2 40.6 60.8



#33  
1,2-Dichloroethane-d4  
Concen: 54.662 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Tgt Ion: 65 Resp: 98183  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 105.4

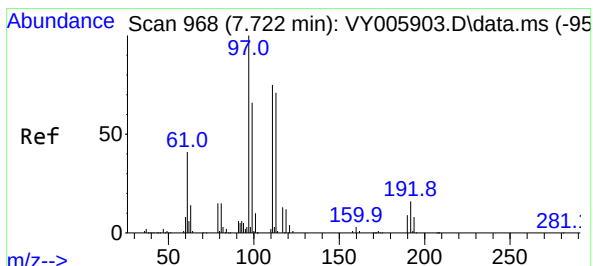
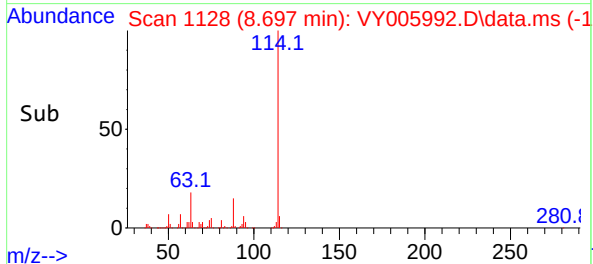
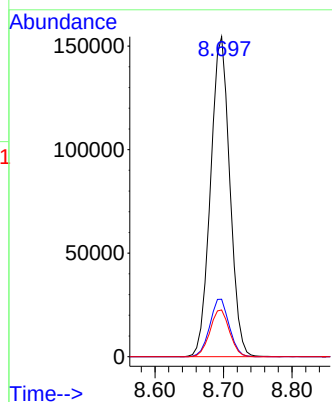
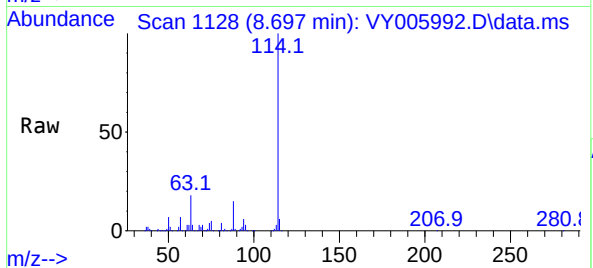




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

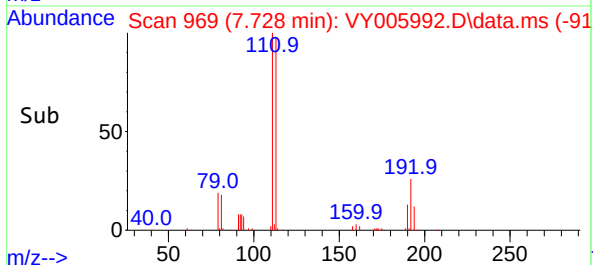
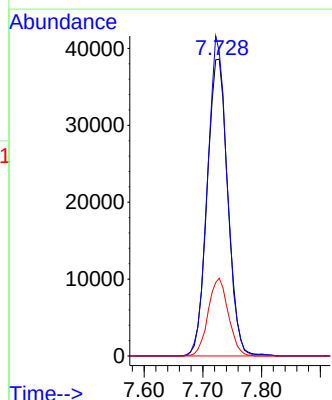
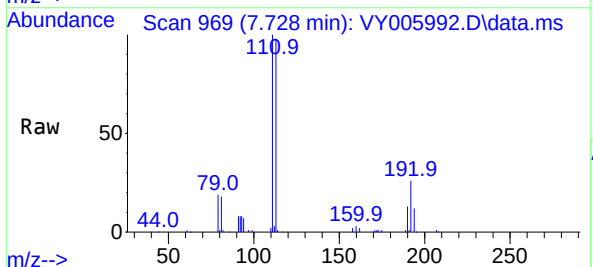
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A009015

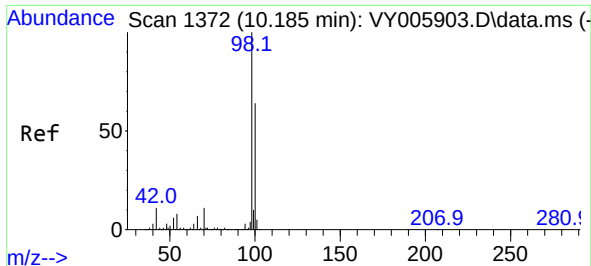
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 301093 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.0  | 0.0   | 38.4   |
| 88       | 14.6  | 0.0   | 30.0   |



#35  
Dibromofluoromethane  
Concen: 55.730 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 94236 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 81.9  | 122.9 |
| 192      | 25.6  | 19.4  | 29.0  |

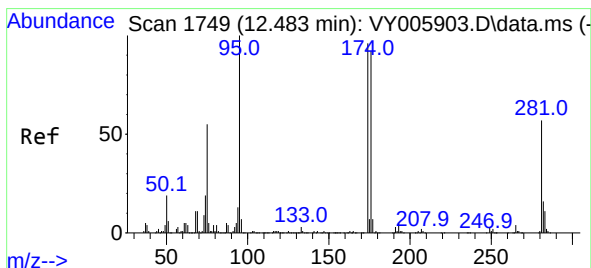
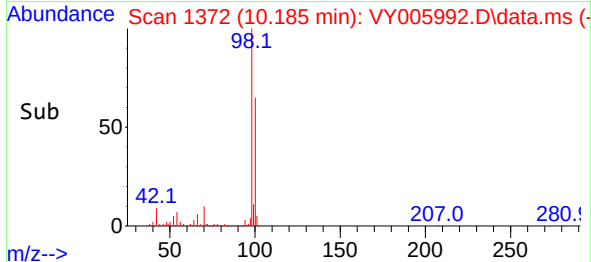
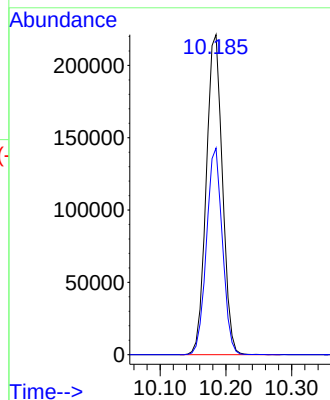
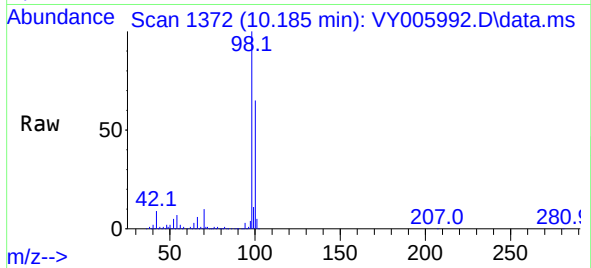




#50  
Toluene-d8  
Concen: 53.203 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

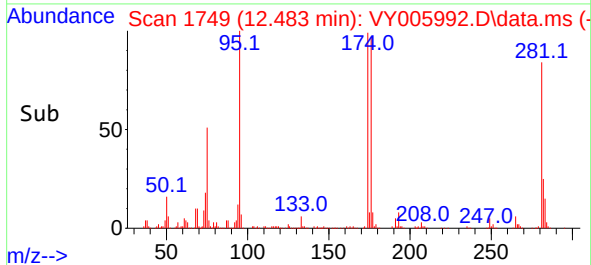
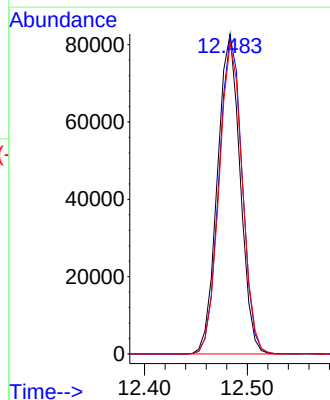
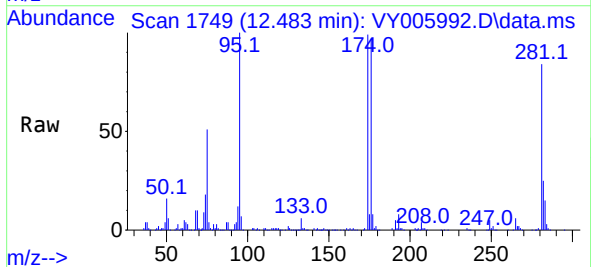
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A009015

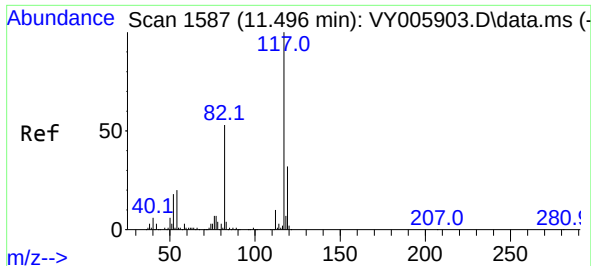
Tgt Ion: 98 Resp: 377558  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 53.237 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Tgt Ion: 95 Resp: 126858  
Ion Ratio Lower Upper  
95 100  
174 101.1 0.0 192.4  
176 98.9 0.0 186.8



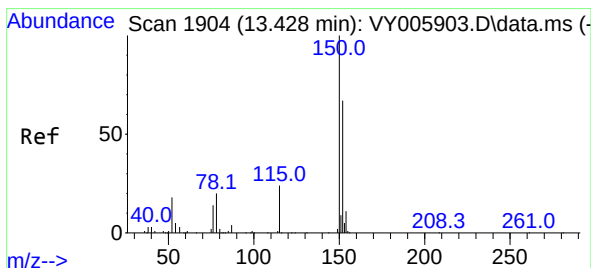
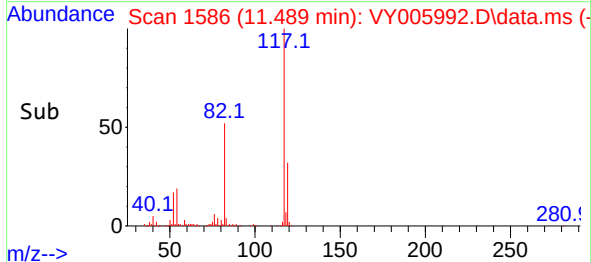
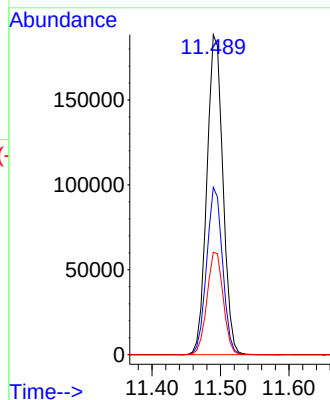
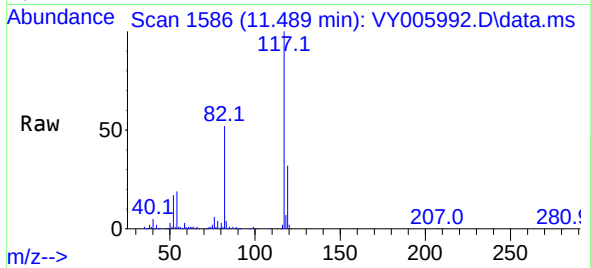


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
A009015

Tgt Ion:117 Resp: 306806

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 52.3  | 42.4  | 63.6  |
| 119 | 32.0  | 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: VY005992.D  
Acq: 10 Sep 2021 18:49

Tgt Ion:152 Resp: 137632

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 53.0  | 26.8  | 80.4  |
| 150 | 157.8 | 0.0   | 345.6 |

