

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091421\  
 Data File : VY006009.D  
 Acq On : 14 Sep 2021 15:44  
 Operator : SY/MD  
 Sample : M3687-35  
 Misc : 6.28G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 A002015

Quant Time: Sep 15 05:14:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 110130   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 191420   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 179637   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 74006    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 62210    | 40.666   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 81.340% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 53702    | 45.168   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.340% |
| 50) Toluene-d8              | 10.185 | 98    | 244317   | 48.214   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.420% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 73982    | 43.002   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 86.000% |

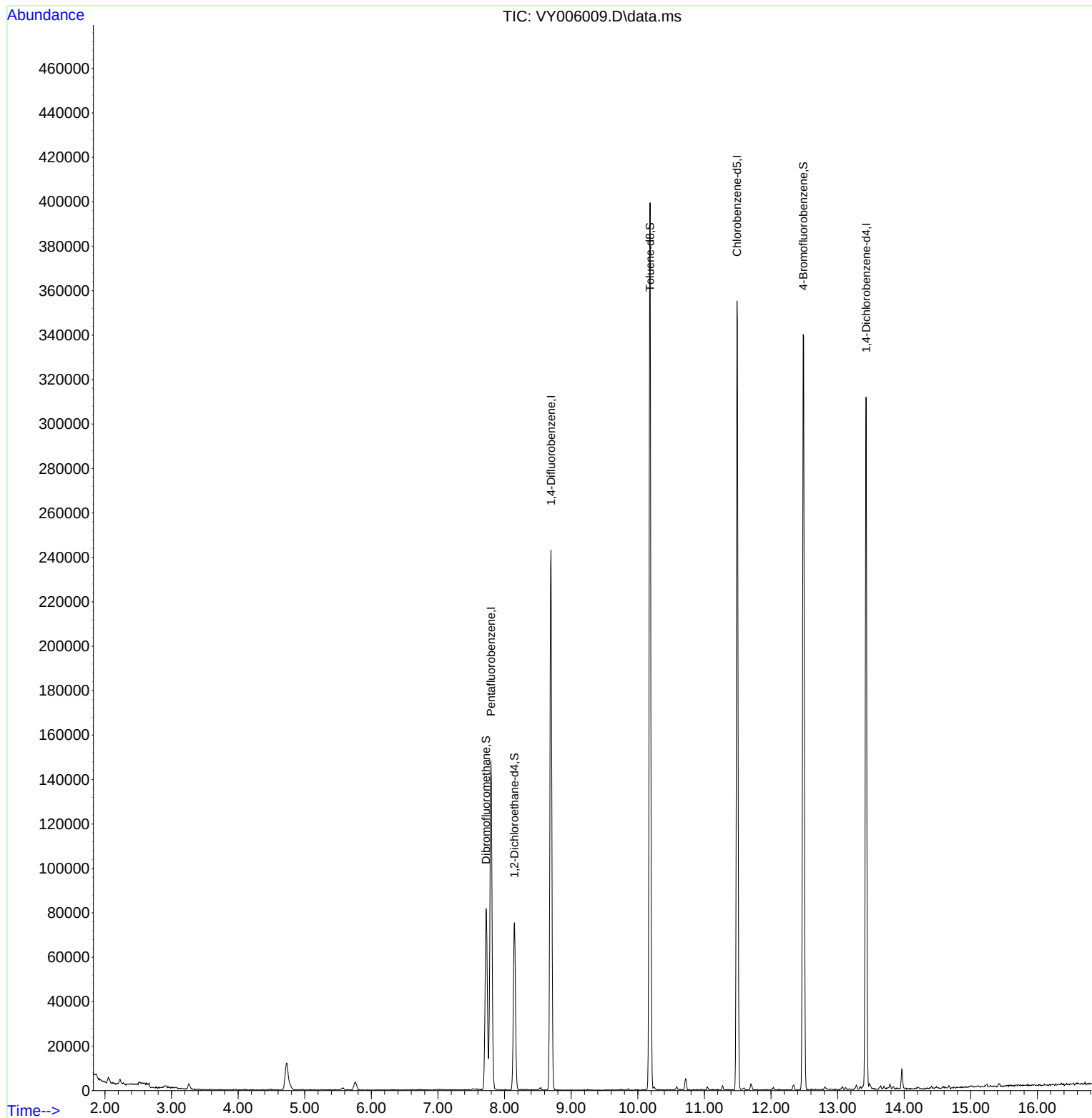
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

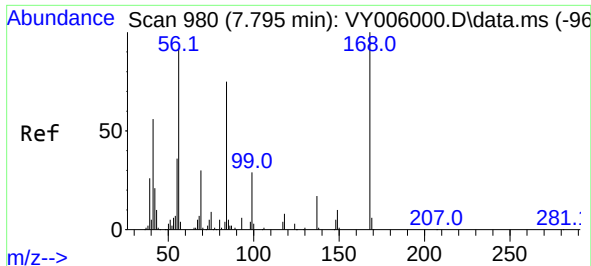
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 15 05:14:25 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 15 05:01:47 2021  
Response via : Initial Calibration

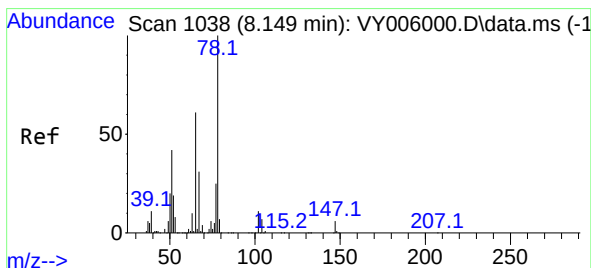
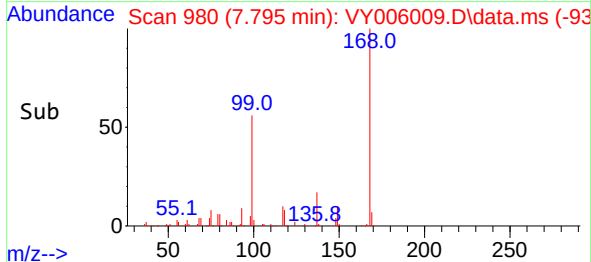
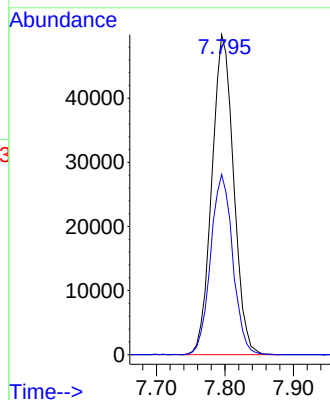
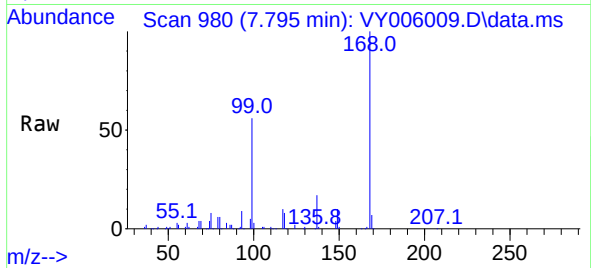




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006009.D  
Acq: 14 Sep 2021 15:44

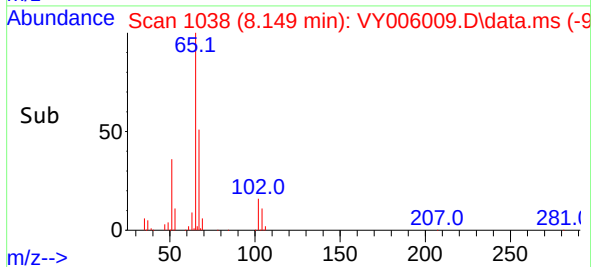
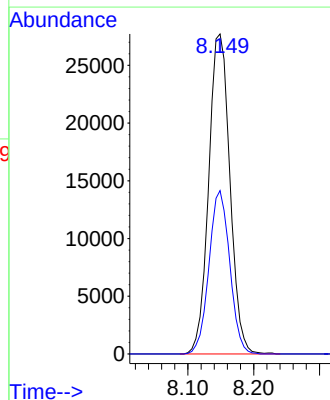
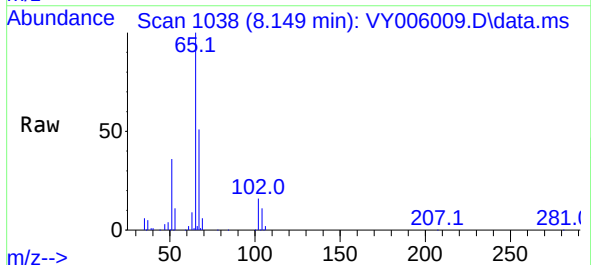
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A002015

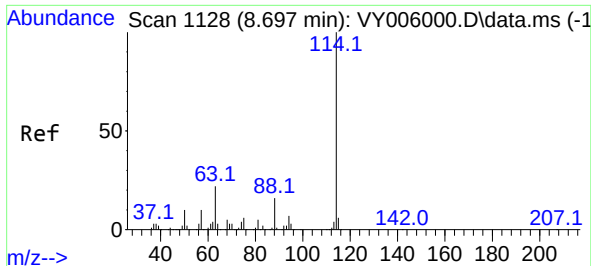
Tgt Ion:168 Resp: 110130  
Ion Ratio Lower Upper  
168 100  
99 56.3 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 40.666 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006009.D  
Acq: 14 Sep 2021 15:44

Tgt Ion: 65 Resp: 62210  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 99.4



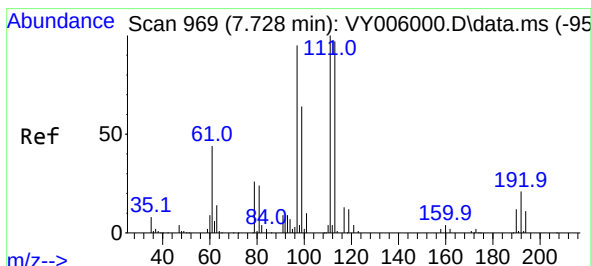
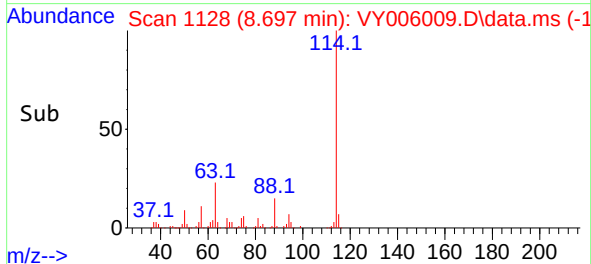
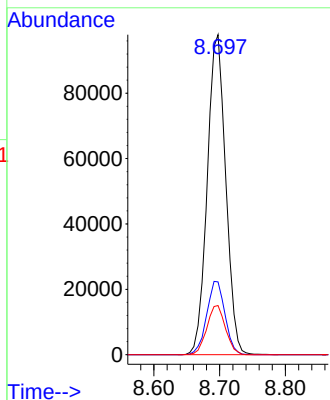
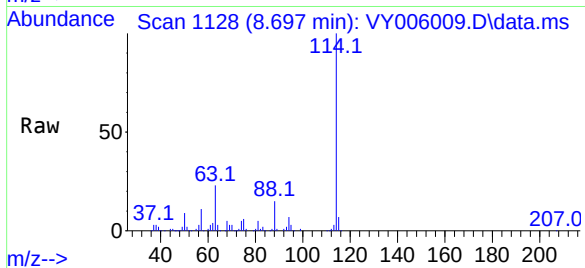


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006009.D  
Acq: 14 Sep 2021 15:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
A002015

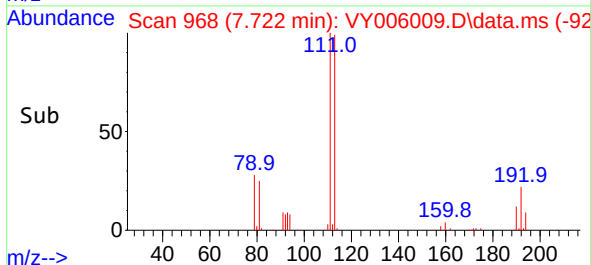
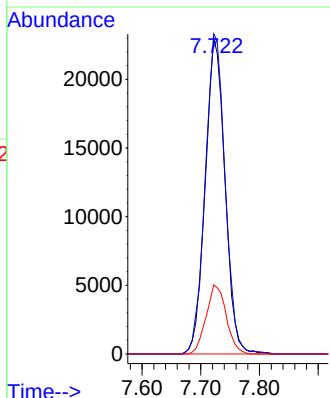
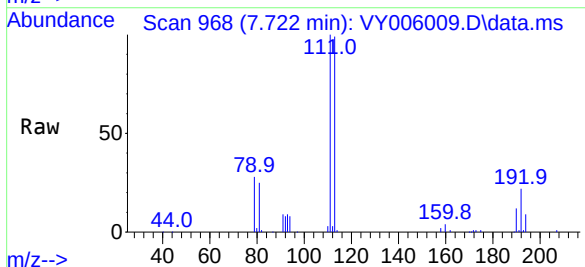
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 191420 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.7  | 0.0   | 43.2   |
| 88       | 15.3  | 0.0   | 31.8   |

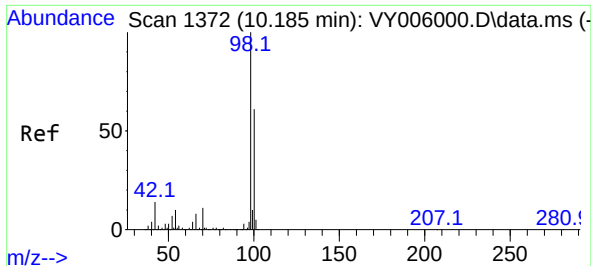


#35

Dibromofluoromethane  
Concen: 45.168 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY006009.D  
Acq: 14 Sep 2021 15:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 53702 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.3 | 82.6  | 124.0 |
| 192      | 22.3  | 17.6  | 26.4  |

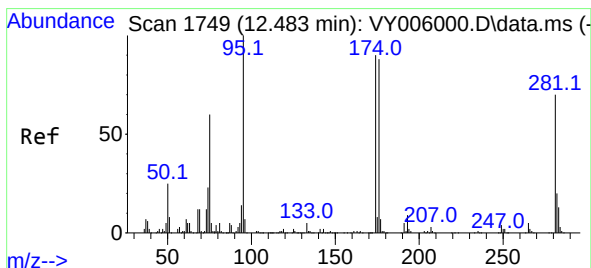
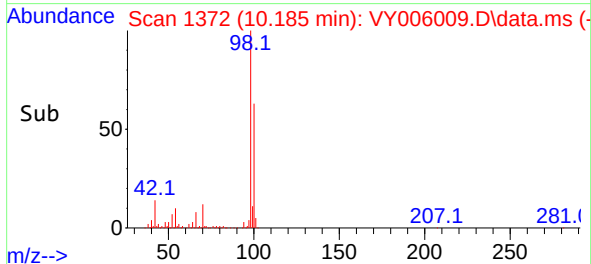
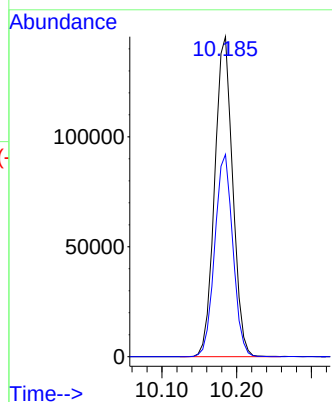
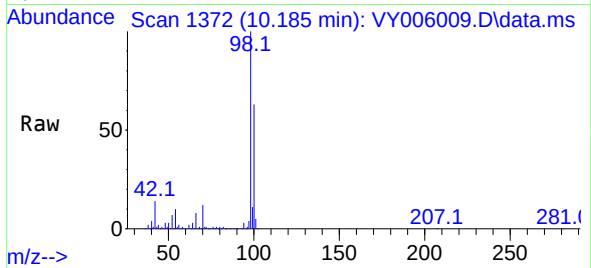




#50  
Toluene-d8  
Concen: 48.214 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006009.D  
Acq: 14 Sep 2021 15:44

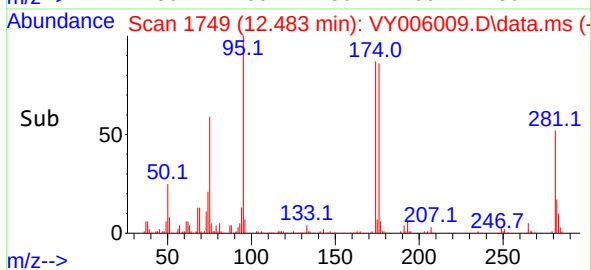
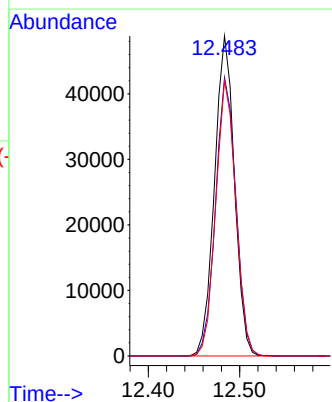
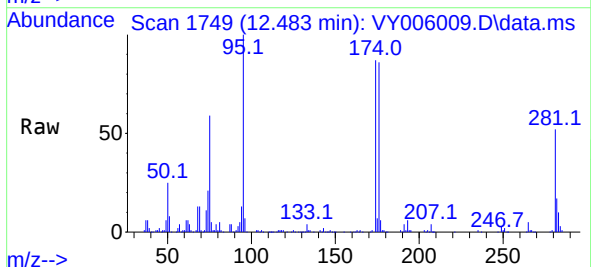
Instrument :  
MSVOA\_Y  
ClientSampled :  
A002015

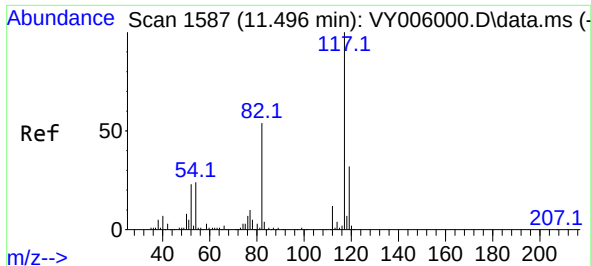
Tgt Ion: 98 Resp: 244317  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 43.002 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006009.D  
Acq: 14 Sep 2021 15:44

Tgt Ion: 95 Resp: 73982  
Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 177.0  
176 86.7 0.0 175.8

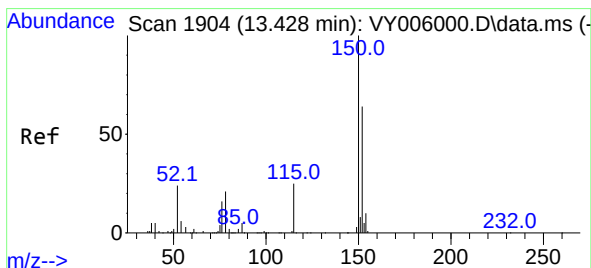
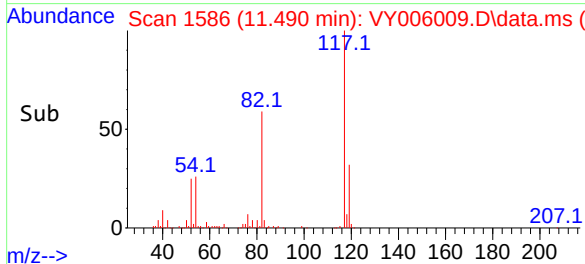
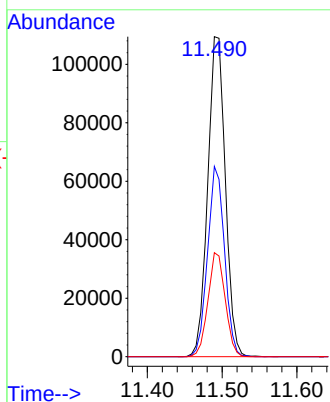
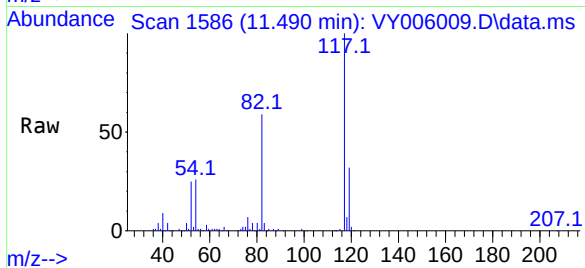




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY006009.D  
Acq: 14 Sep 2021 15:44

Instrument :  
MSVOA\_Y  
ClientSampled :  
A002015

Tgt Ion:117 Resp: 179637  
Ion Ratio Lower Upper  
117 100  
82 59.5 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: VY006009.D  
Acq: 14 Sep 2021 15:44

Tgt Ion:152 Resp: 74006  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.2 84.7  
150 157.5 0.0 347.6

