

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092721\  
 Data File : VY006155.D  
 Acq On : 27 Sep 2021 11:51  
 Operator : SY/MD  
 Sample : VY0927SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0927SBL01

Quant Time: Sep 27 18:10:29 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  | 110600   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 179789   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 165766   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 76820    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 72751    | 47.355   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 94.700% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 54532    | 48.833   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.660% |
| 50) Toluene-d8              | 10.185 | 98    | 221432   | 46.525   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 93.040% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 66972    | 41.445   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 82.900% |

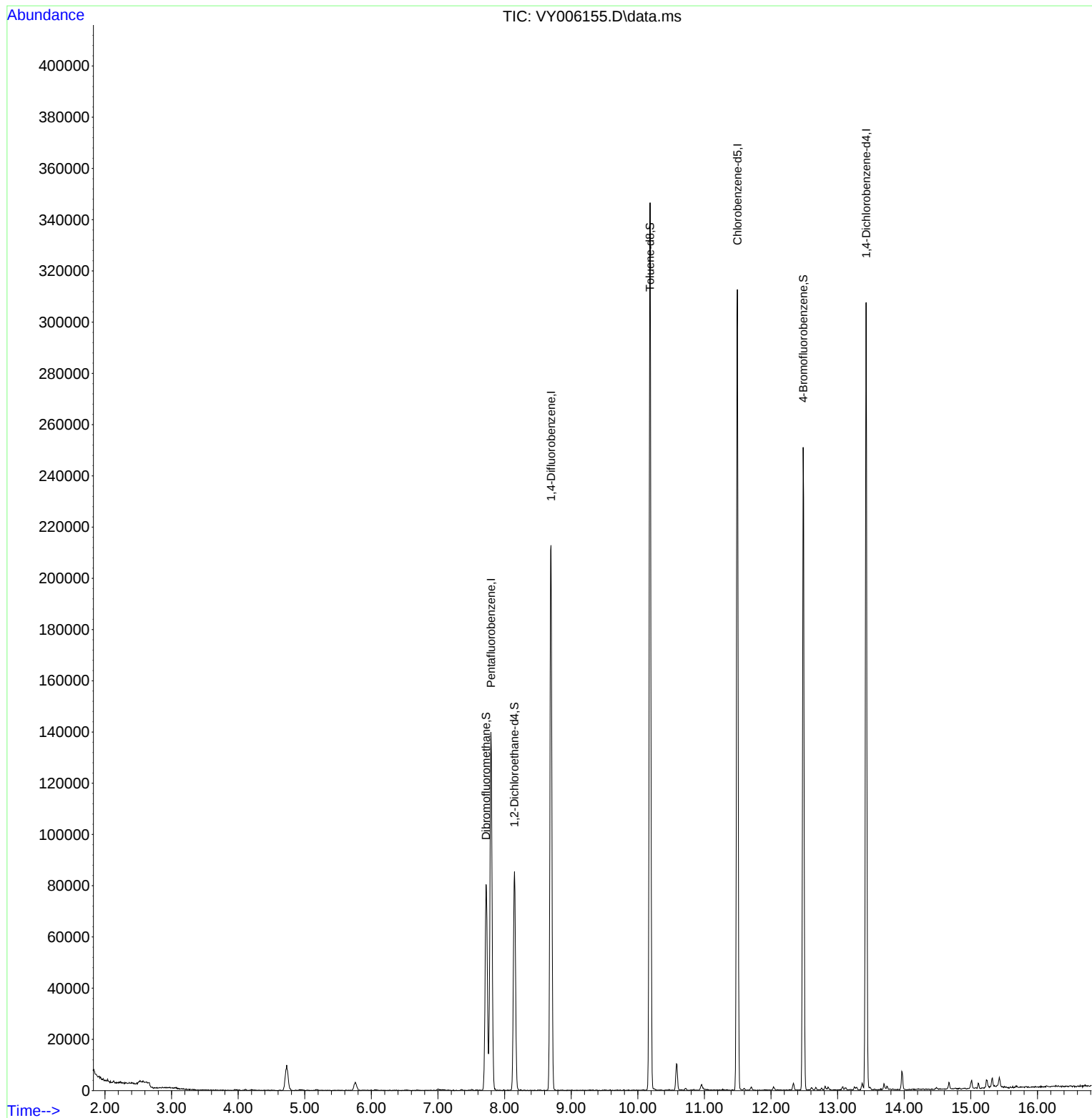
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

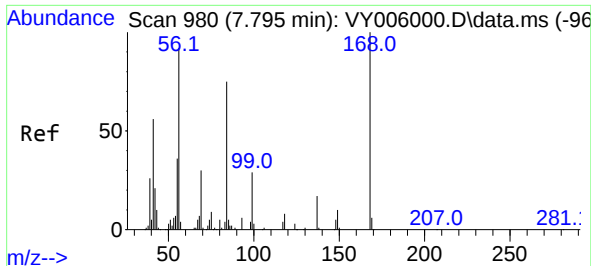
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY0927SBL01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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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

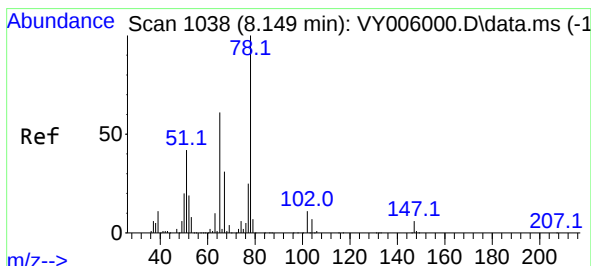
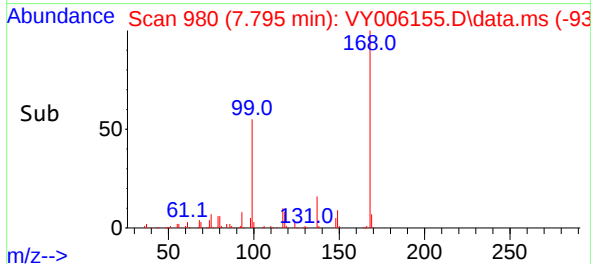
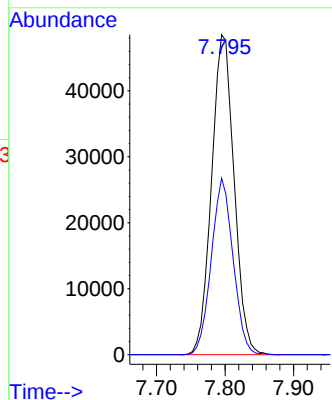
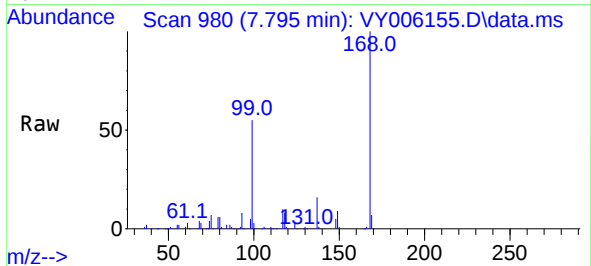




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006155.D  
Acq: 27 Sep 2021 11:51

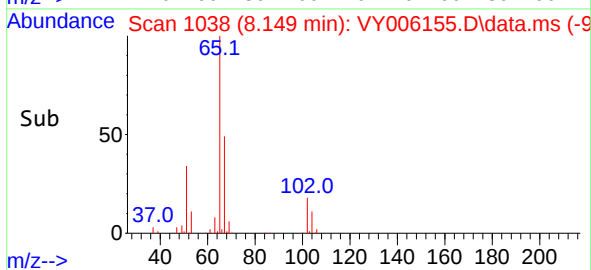
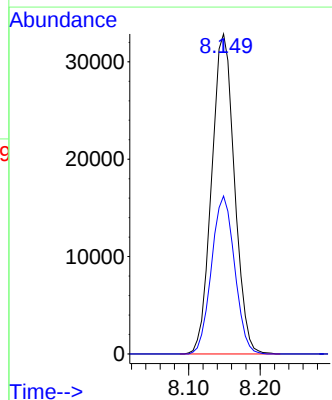
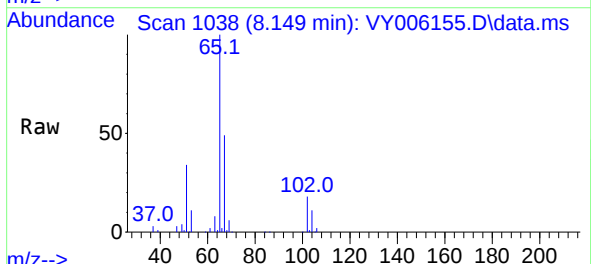
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0927SBL01

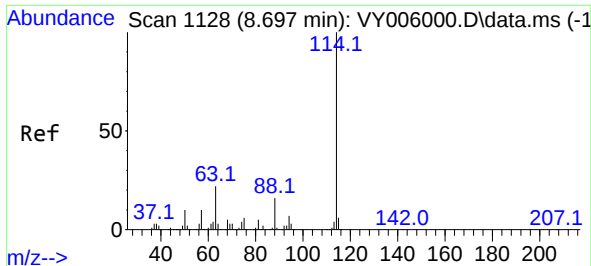
Tgt Ion:168 Resp: 110600  
Ion Ratio Lower Upper  
168 100  
99 55.1 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 47.355 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006155.D  
Acq: 27 Sep 2021 11:51

Tgt Ion: 65 Resp: 72751  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 99.4

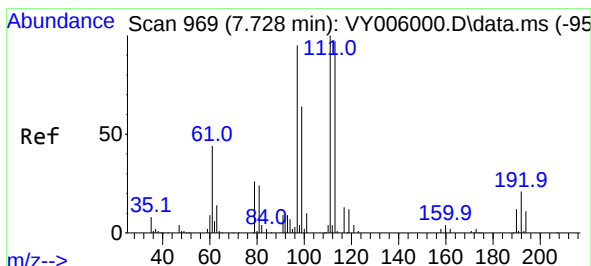
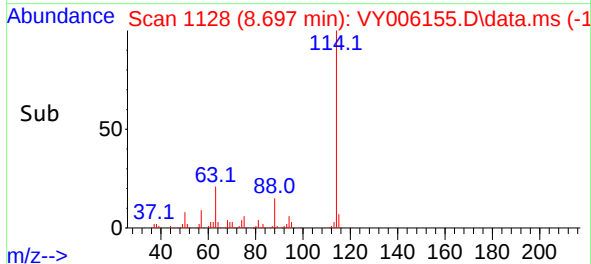
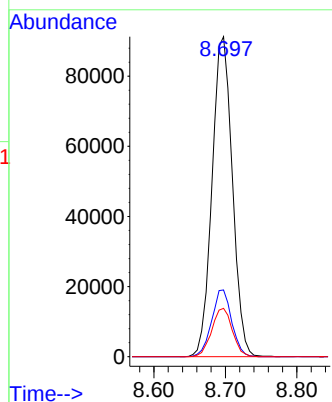
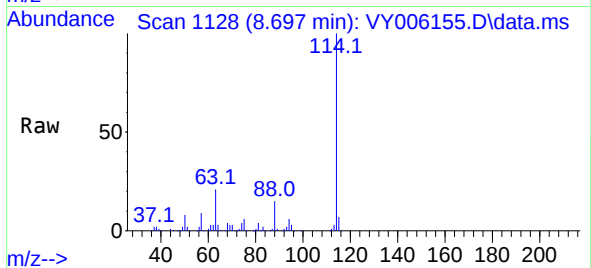




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006155.D  
Acq: 27 Sep 2021 11:51

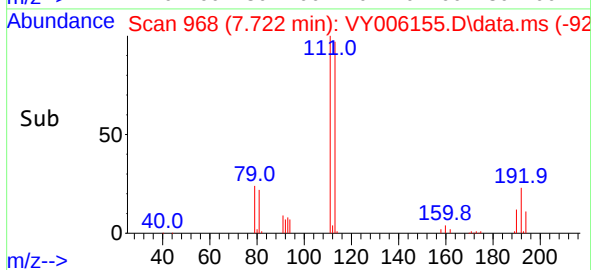
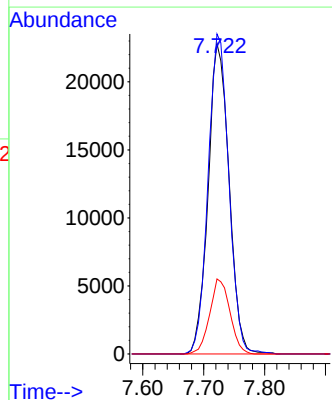
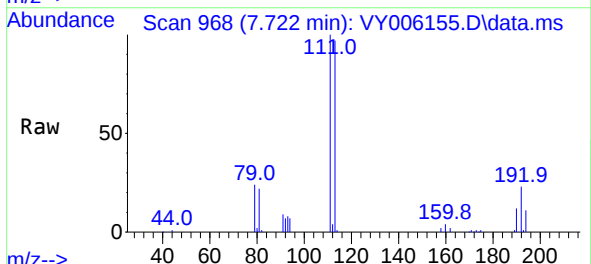
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0927SBL01

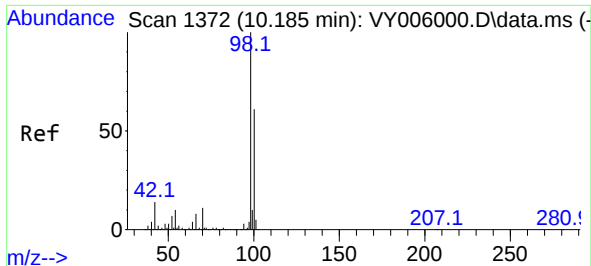
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 179789 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.9  | 0.0   | 43.2   |
| 88       | 15.1  | 0.0   | 31.8   |



#35  
Dibromofluoromethane  
Concen: 48.833 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY006155.D  
Acq: 27 Sep 2021 11:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 54532 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.9 | 82.6  | 124.0 |
| 192      | 23.3  | 17.6  | 26.4  |

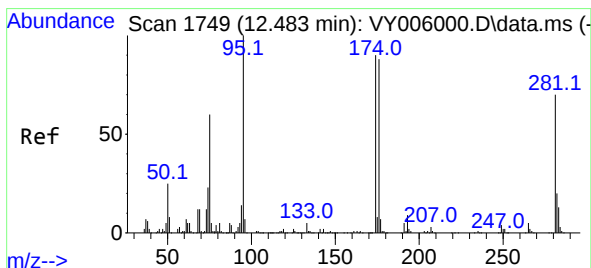
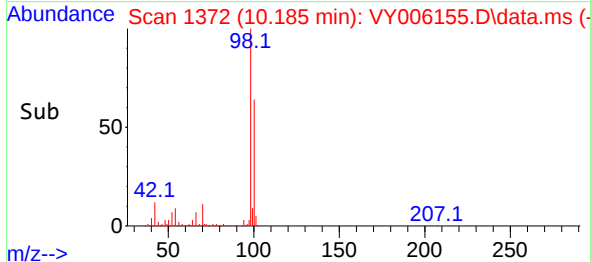
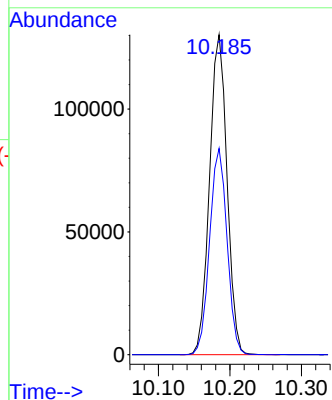
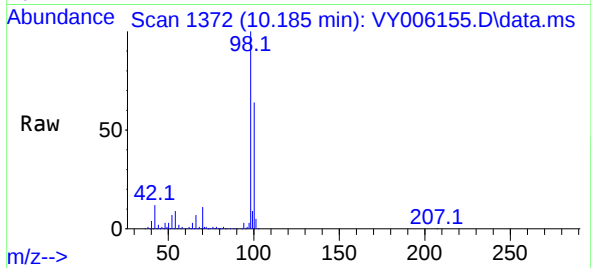




#50  
Toluene-d8  
Concen: 46.525 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006155.D  
Acq: 27 Sep 2021 11:51

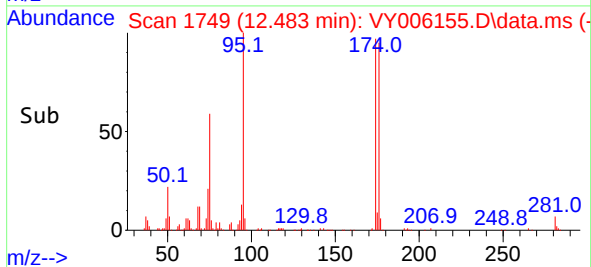
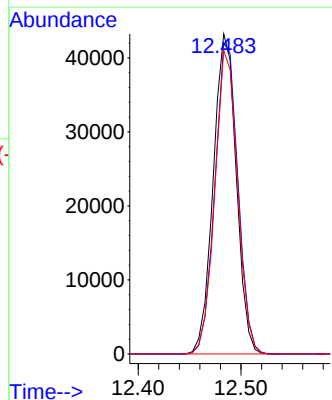
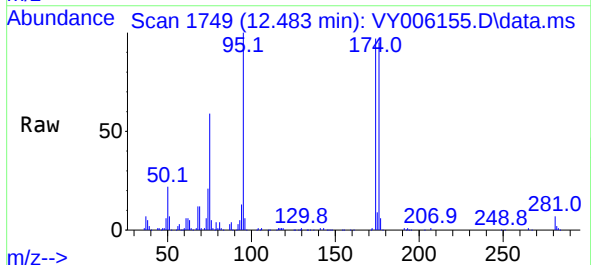
Instrument :  
MSVOA\_Y  
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VY0927SBL01

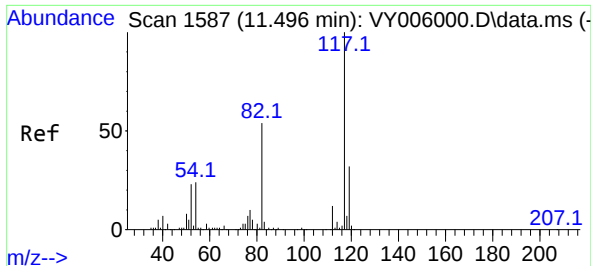
Tgt Ion: 98 Resp: 221432  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 41.445 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006155.D  
Acq: 27 Sep 2021 11:51

Tgt Ion: 95 Resp: 66972  
Ion Ratio Lower Upper  
95 100  
174 97.4 0.0 177.0  
176 93.6 0.0 175.8

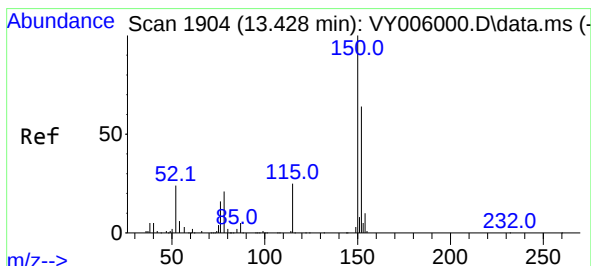
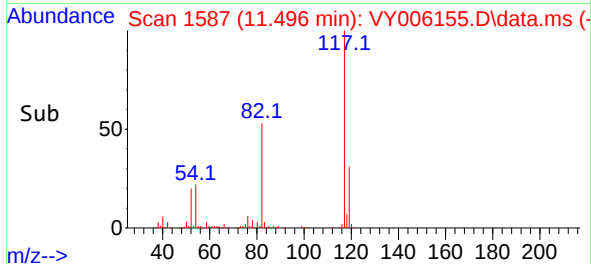
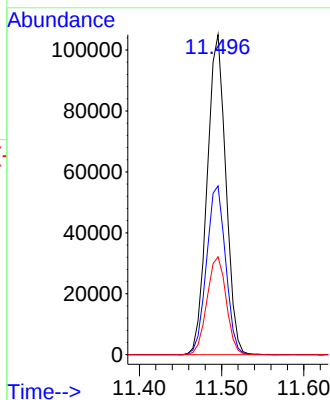
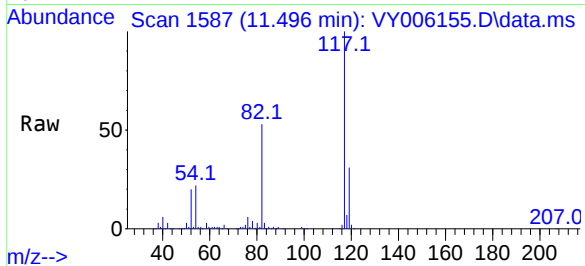




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY006155.D  
Acq: 27 Sep 2021 11:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0927SBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 165766 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.7  | 43.0  | 64.4   |
| 119      | 30.6  | 25.4  | 38.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006155.D  
Acq: 27 Sep 2021 11:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 76820 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 54.7  | 28.2  | 84.7  |
| 150      | 156.4 | 0.0   | 347.6 |

