

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100421\  
 Data File : VY006297.D  
 Acq On : 04 Oct 2021 23:20  
 Operator : SY/MD  
 Sample : M4043-03  
 Misc : 5.06G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-04-100121

Quant Time: Oct 05 06:40:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 17:44:36 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 56328    | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 91861    | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 87513    | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 40097    | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.148  | 65    | 40280    | 66.81    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 133.62%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 29083    | 59.26    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 118.52%  |
| 50) Toluene-d8              | 10.185 | 98    | 117364   | 57.14    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 114.28%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 35166    | 50.40    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 100.80%  |

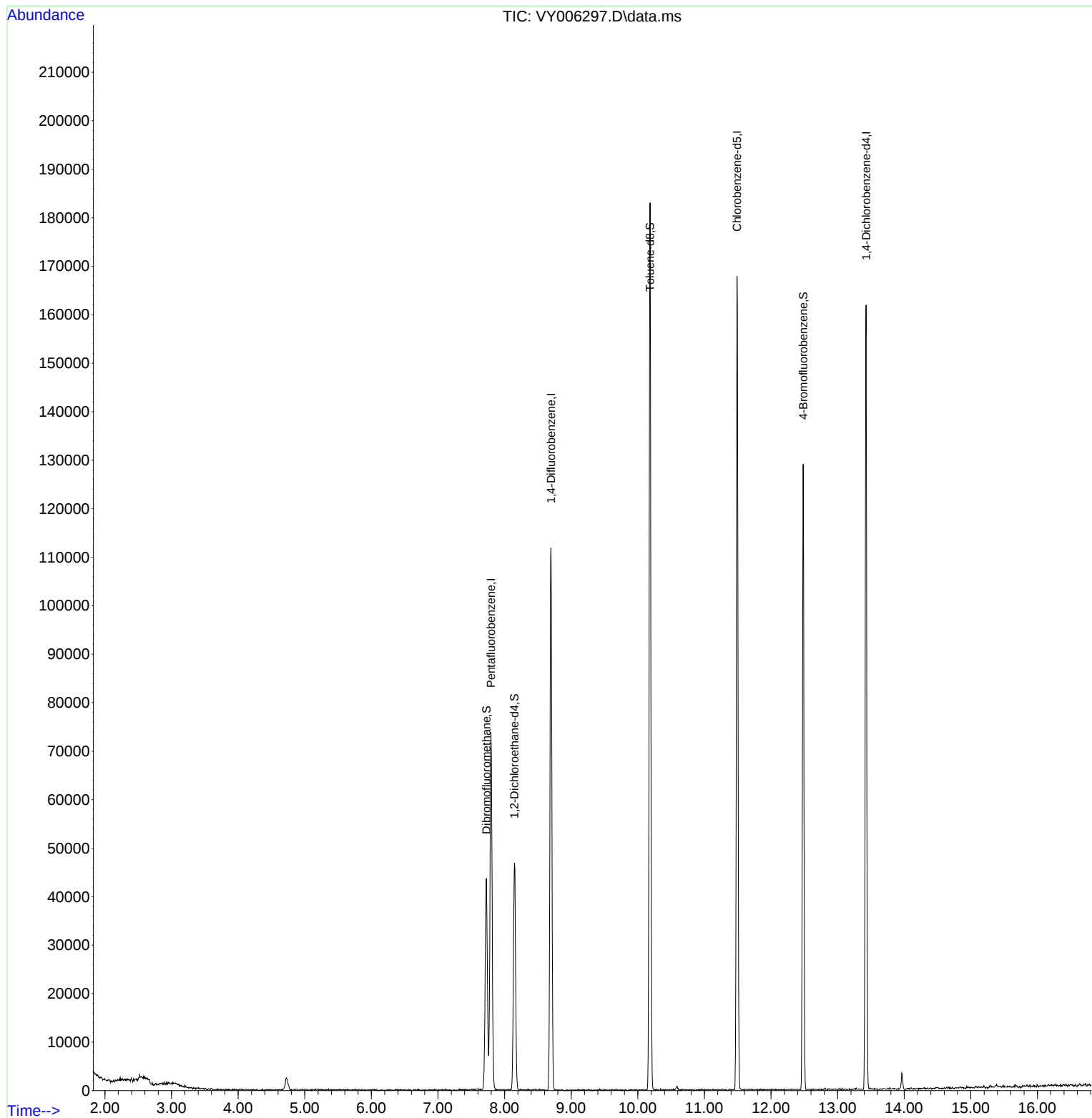
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

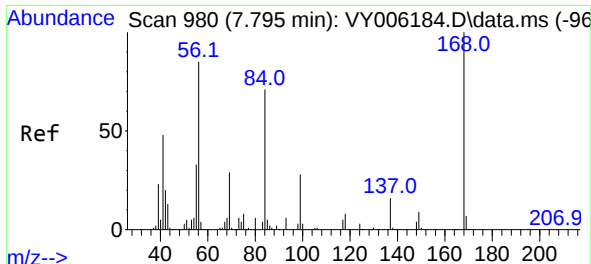
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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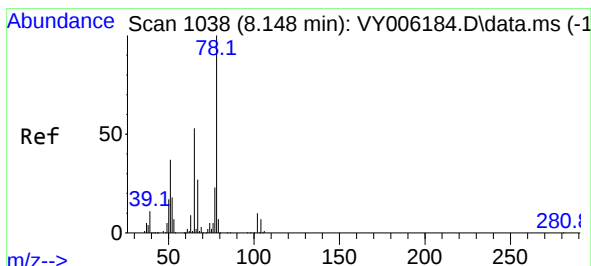
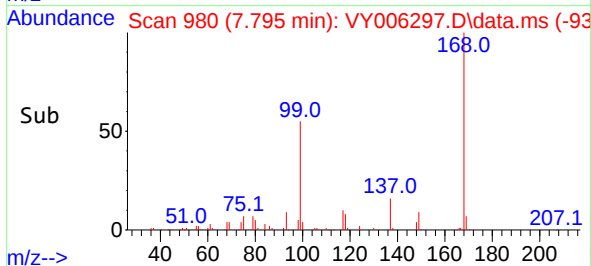
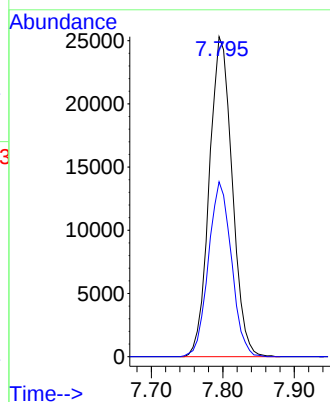
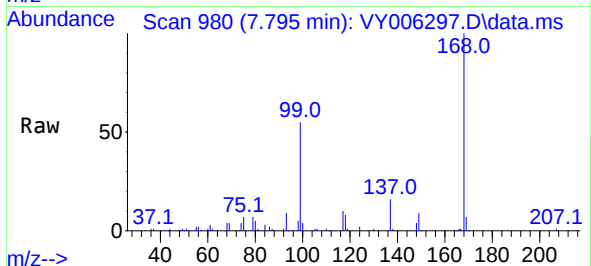




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY006297.D  
Acq: 04 Oct 2021 23:20

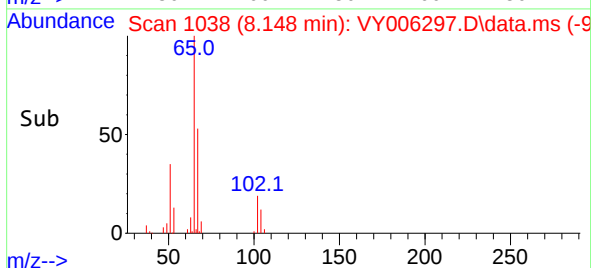
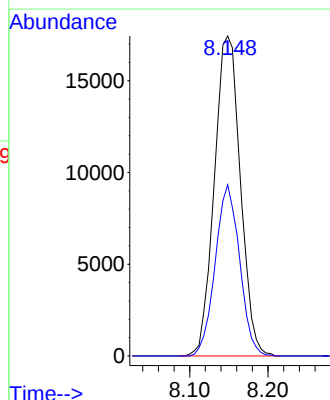
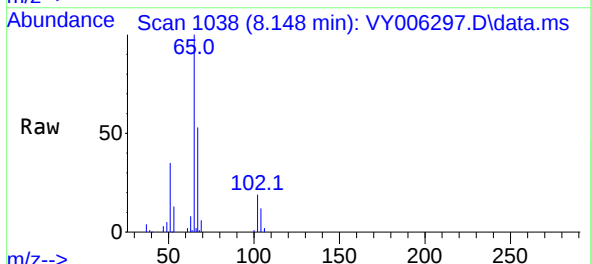
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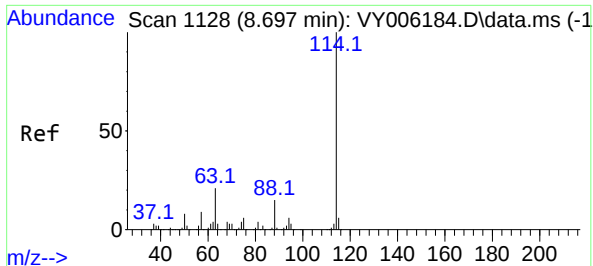
Tgt Ion:168 Resp: 56328  
Ion Ratio Lower Upper  
168 100  
99 54.6 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 66.81 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006297.D  
Acq: 04 Oct 2021 23:20

Tgt Ion: 65 Resp: 40280  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 99.4

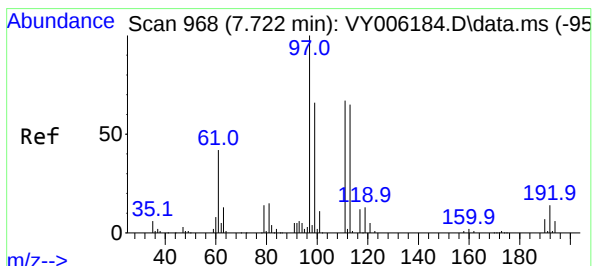
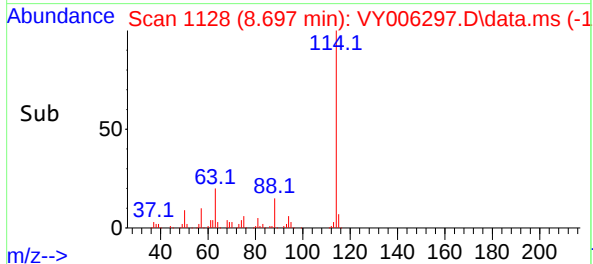
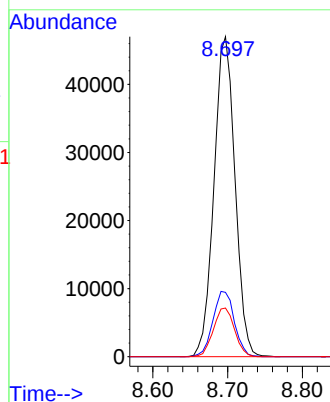
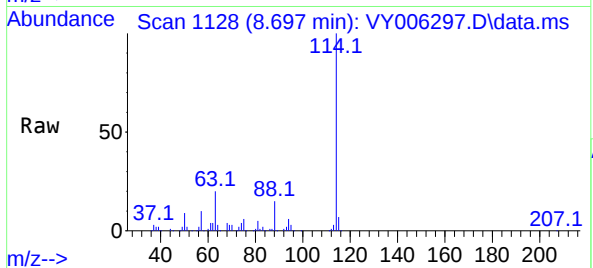




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY006297.D  
Acq: 04 Oct 2021 23:20

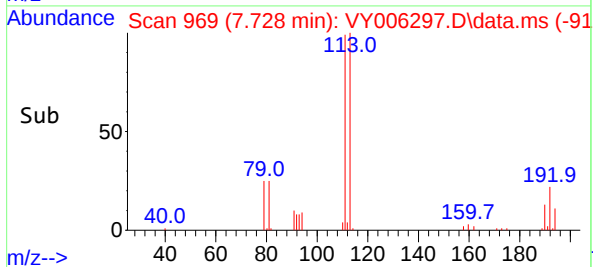
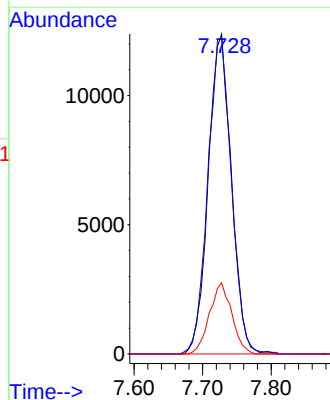
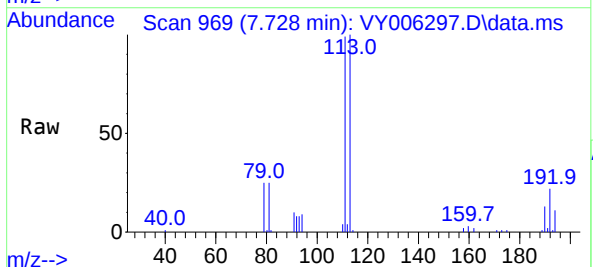
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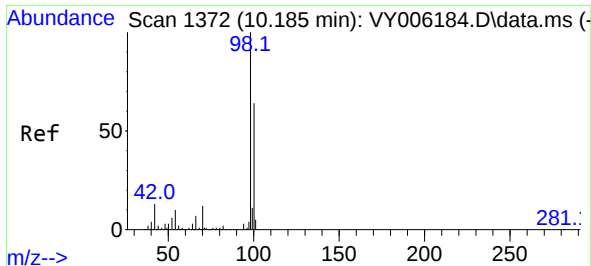
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 91861 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 20.1  | 0.0   | 43.2  |
| 88       | 15.2  | 0.0   | 31.8  |



#35  
Dibromofluoromethane  
Concen: 59.26 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY006297.D  
Acq: 04 Oct 2021 23:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 29083 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 100.9 | 82.6  | 124.0 |
| 192      | 21.4  | 17.6  | 26.4  |

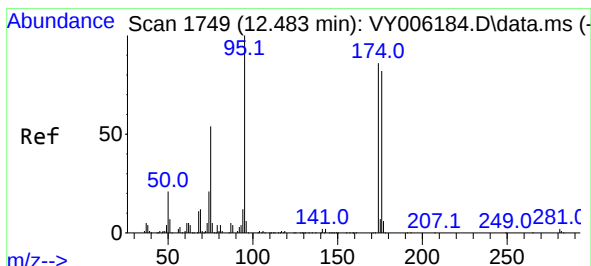
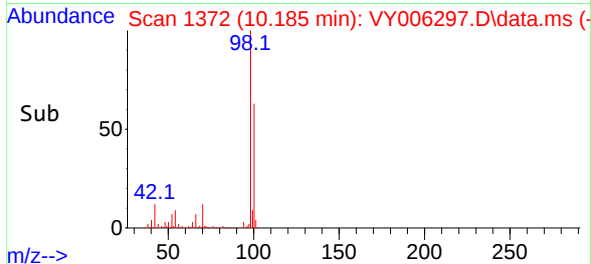
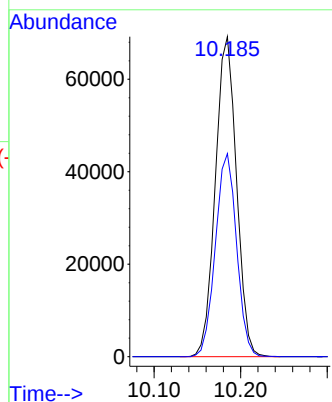
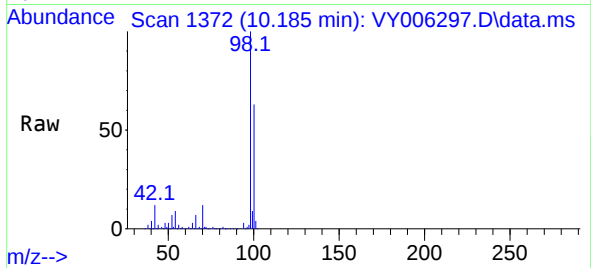




#50  
Toluene-d8  
Concen: 57.14 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006297.D  
Acq: 04 Oct 2021 23:20

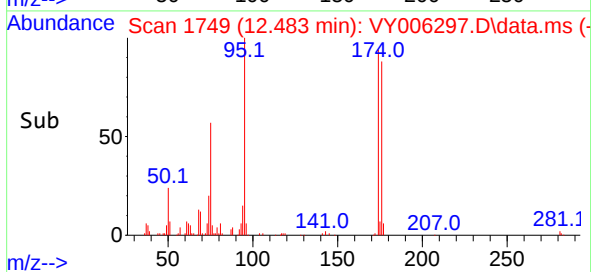
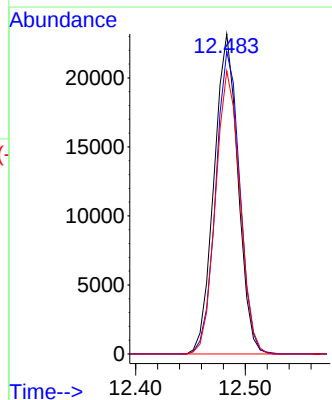
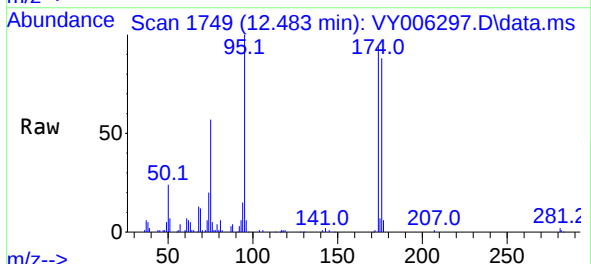
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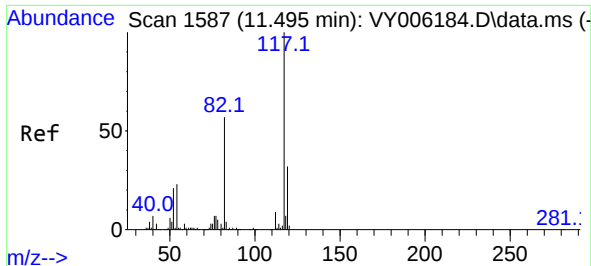
Tgt Ion: 98 Resp: 117364  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 50.40 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006297.D  
Acq: 04 Oct 2021 23:20

Tgt Ion: 95 Resp: 35166  
Ion Ratio Lower Upper  
95 100  
174 94.8 0.0 177.0  
176 89.9 0.0 175.8

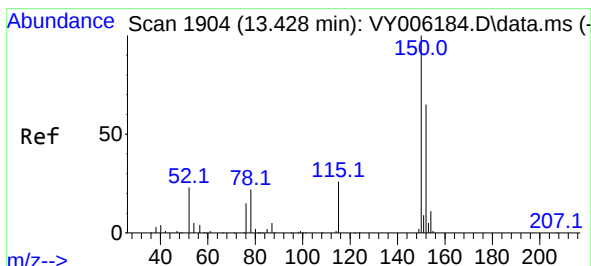
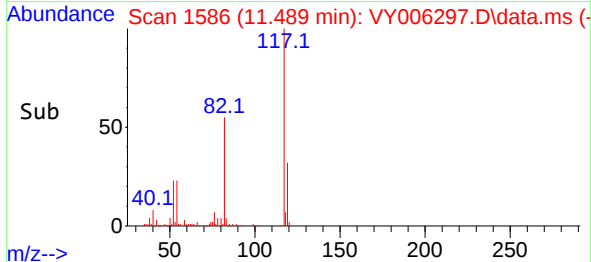
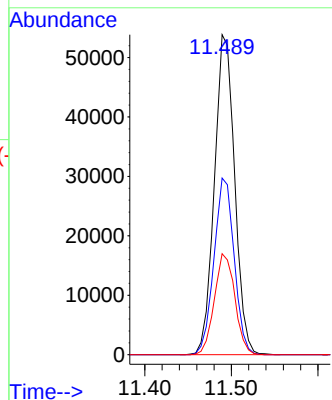
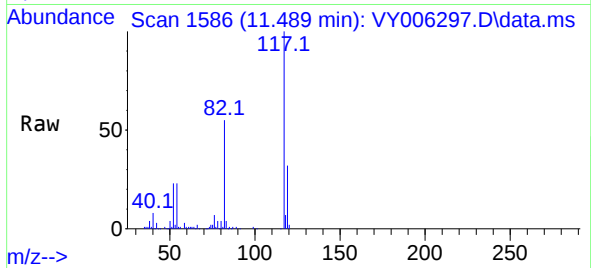




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY006297.D  
Acq: 04 Oct 2021 23:20

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 87513 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.2  | 43.0  | 64.4  |
| 119      | 31.6  | 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: VY006297.D  
Acq: 04 Oct 2021 23:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 40097 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 56.7  | 28.2  | 84.7  |
| 150      | 158.5 | 0.0   | 347.6 |

