

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041921\  
 Data File : VY004501.D  
 Acq On : 19 Apr 2021 16:25  
 Operator : SY/MD  
 Sample : M2075-19  
 Misc : 6.26G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-6-S

Quant Time: Apr 20 01:49:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 138241   | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 240954   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 215655   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 90525    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.148  | 65    | 84167    | 54.80    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 109.60% |          |
| 35) Dibromofluoromethane    | 7.728  | 113   | 71044    | 53.13    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 106.26% |          |
| 50) Toluene-d8              | 10.185 | 98    | 292335   | 51.40    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 102.80% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 93532    | 48.46    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 96.92%  |          |

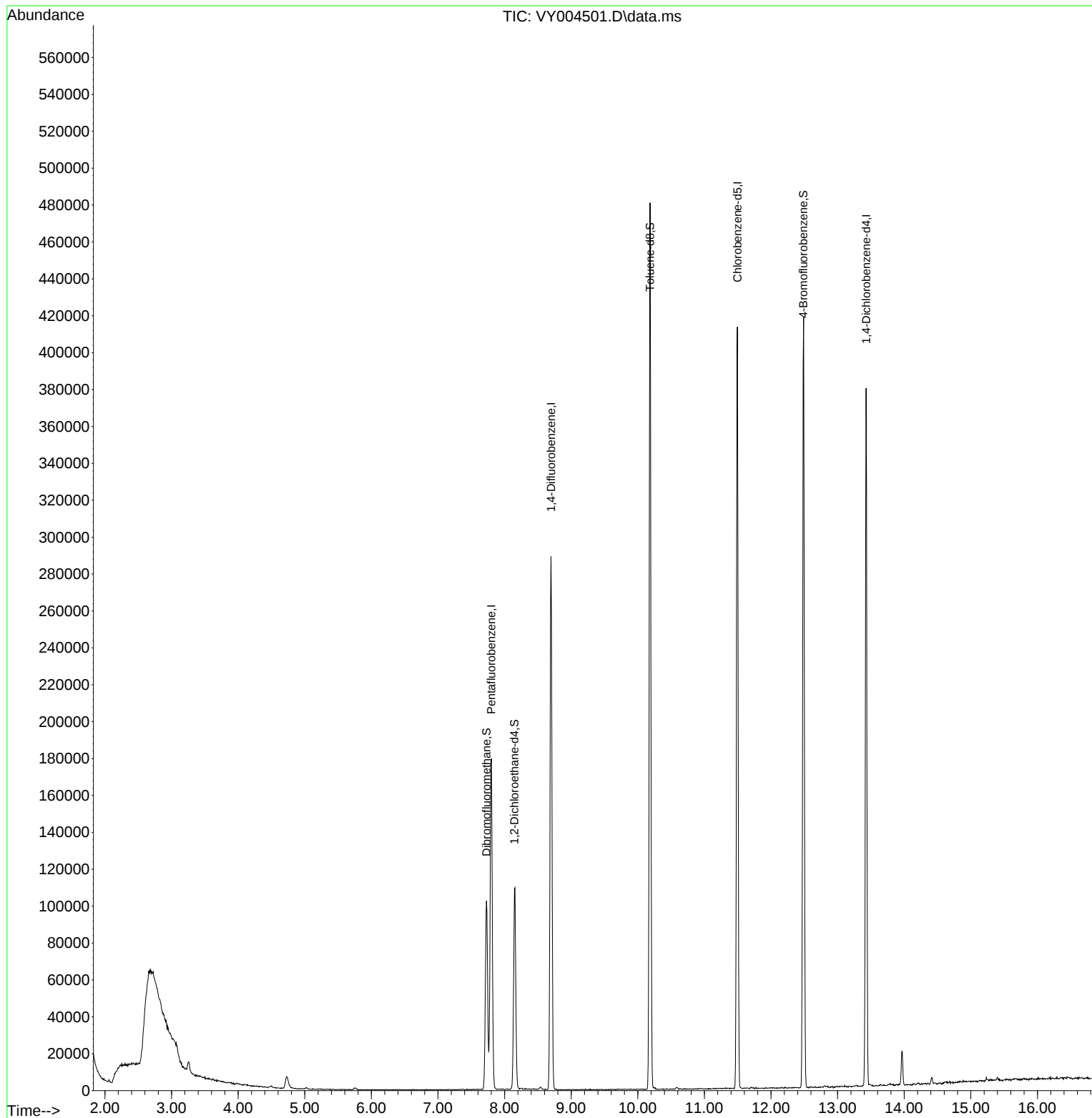
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

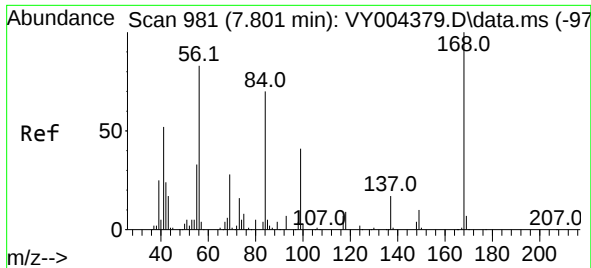
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration

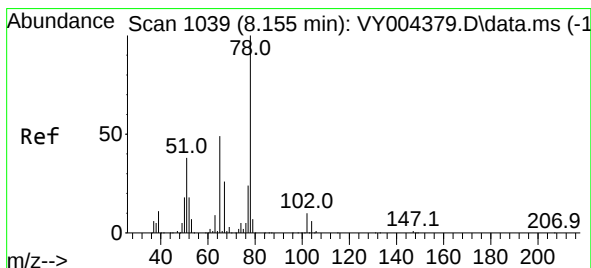
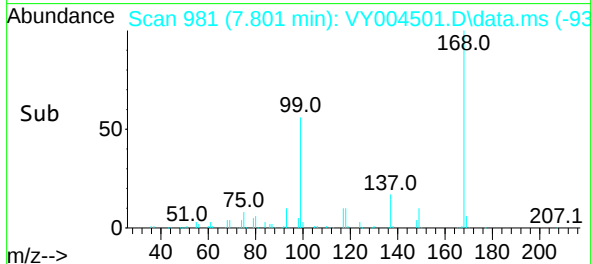
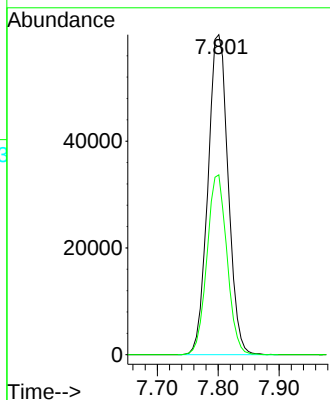
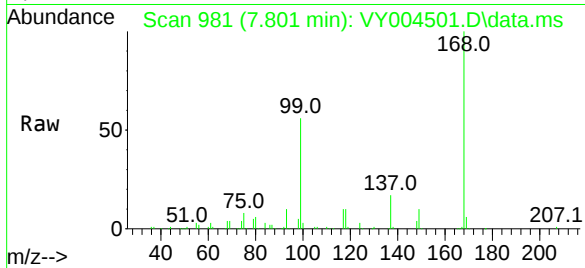




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY004501.D  
Acq: 19 Apr 2021 16:25

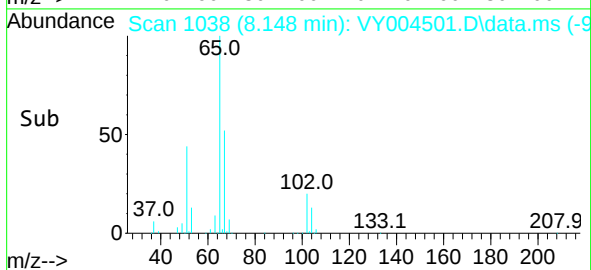
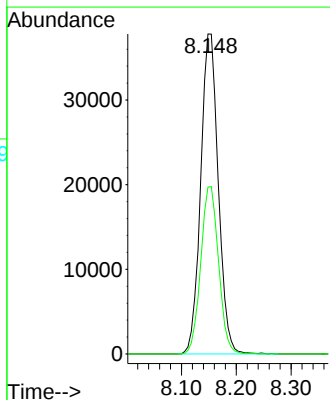
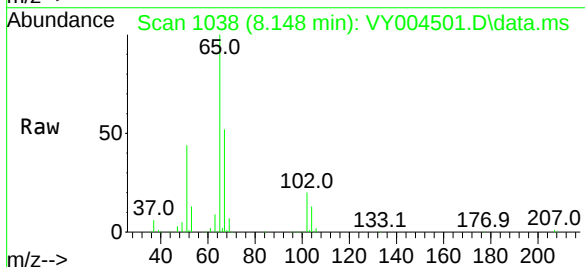
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-6-S

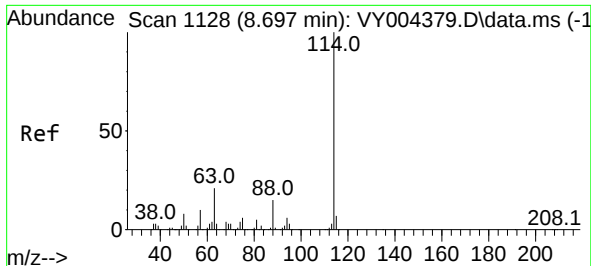
Tgt Ion:168 Resp: 138241  
Ion Ratio Lower Upper  
168 100  
99 56.2 45.5 68.3



#33  
1,2-Dichloroethane-d4  
Concen: 54.80 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004501.D  
Acq: 19 Apr 2021 16:25

Tgt Ion: 65 Resp: 84167  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 106.4

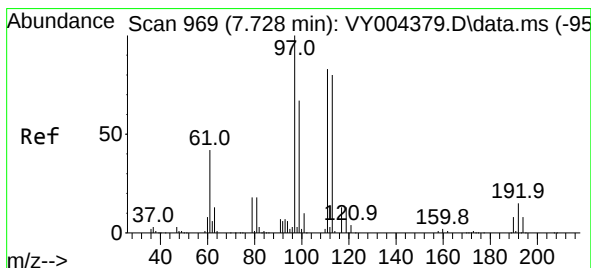
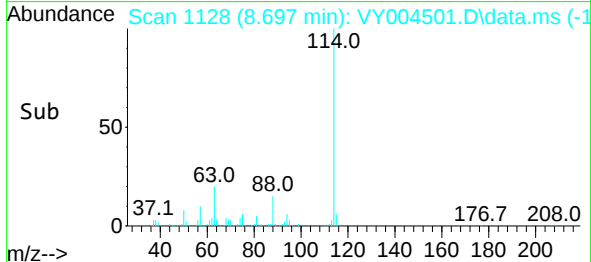
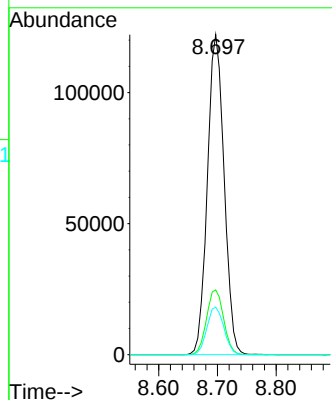
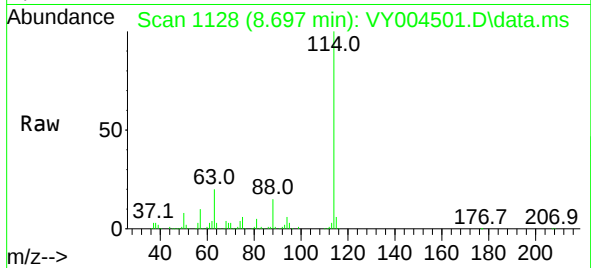




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY004501.D  
Acq: 19 Apr 2021 16:25

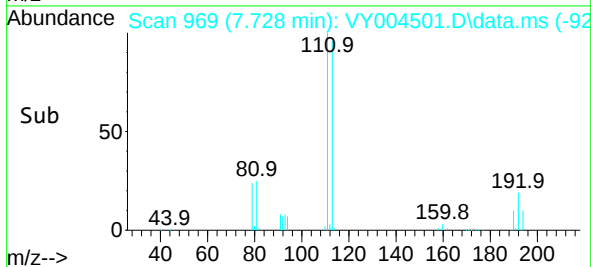
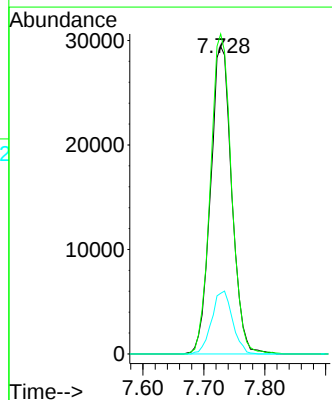
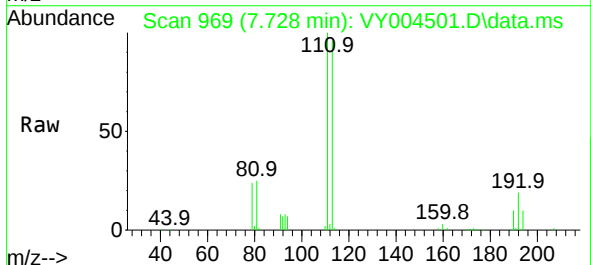
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-6-S

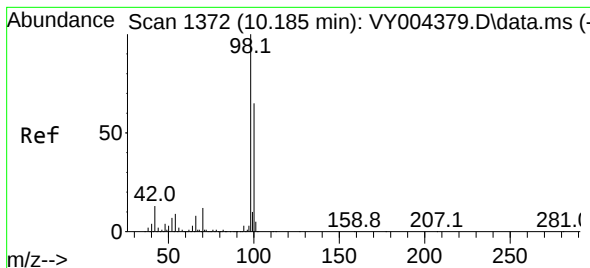
Tgt Ion:114 Resp: 240954  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 42.4  
88 14.9 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 53.13 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004501.D  
Acq: 19 Apr 2021 16:25

Tgt Ion:113 Resp: 71044  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 123.8  
192 20.1 16.1 24.1

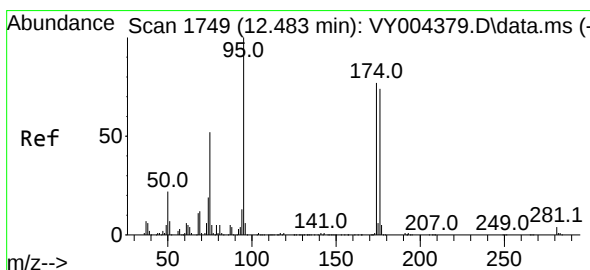
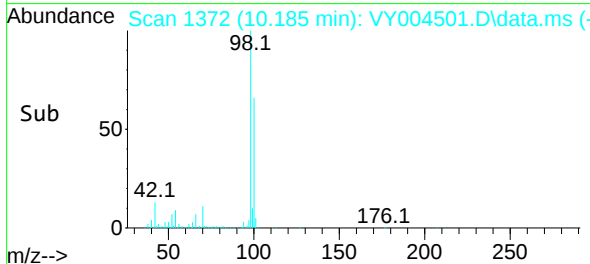
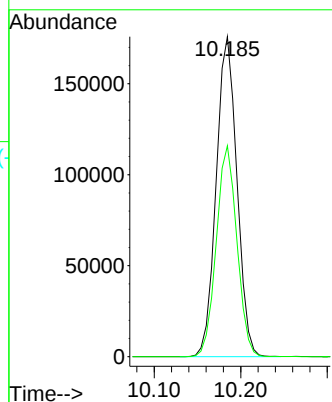
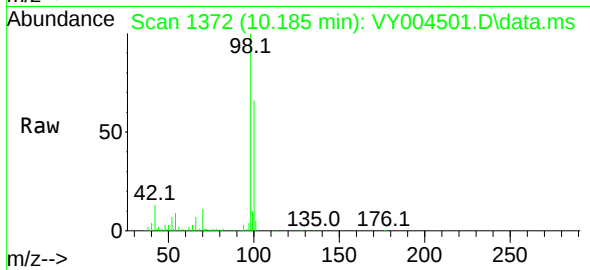




#50  
Toluene-d8  
Concen: 51.40 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004501.D  
Acq: 19 Apr 2021 16:25

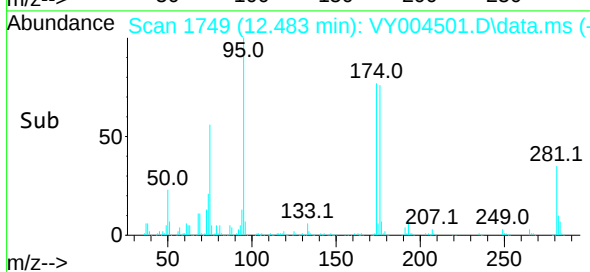
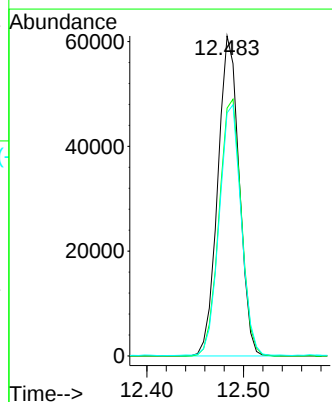
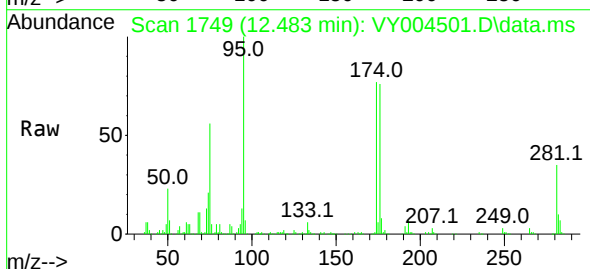
Instrument :  
MSVOA\_Y  
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TP-6-S

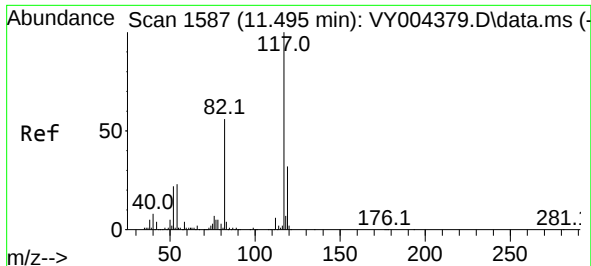
Tgt Ion: 98 Resp: 292335  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 48.46 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY004501.D  
Acq: 19 Apr 2021 16:25

Tgt Ion: 95 Resp: 93532  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 162.4  
176 80.6 0.0 156.0

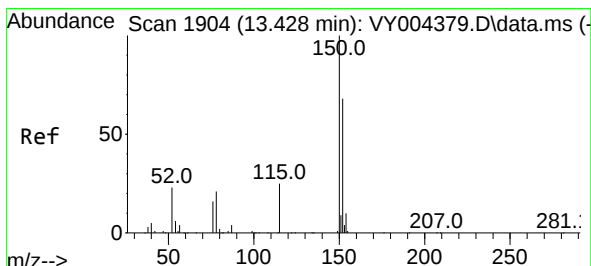
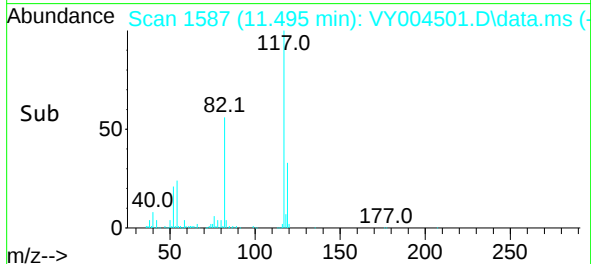
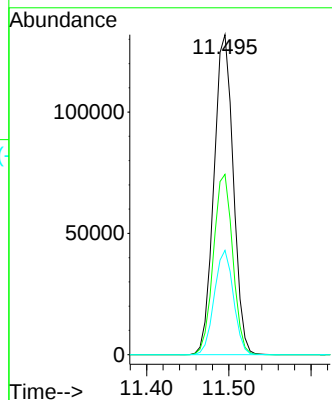
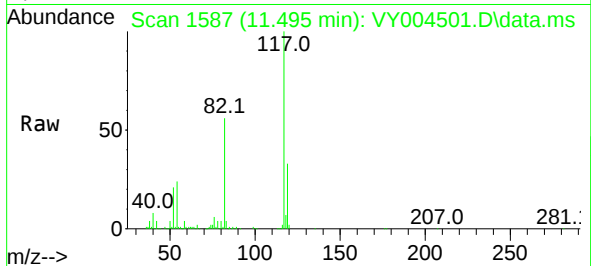




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004501.D  
Acq: 19 Apr 2021 16:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-6-S

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 215655 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.4  | 44.9  | 67.3   |
| 119       | 32.6  | 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: VY004501.D  
Acq: 19 Apr 2021 16:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 90525 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 59.1  | 29.6  | 88.8  |
| 150       | 158.6 | 0.0   | 348.4 |

