

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081821\  
 Data File : VY005737.D  
 Acq On : 18 Aug 2021 14:12  
 Operator : SY/MD  
 Sample : M3430-04  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PE-4

Quant Time: Aug 19 05:17:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 1764     | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 2911     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 2239     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 352      | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 1071     | 59.980   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 119.960% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 500      | 30.679   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 61.360%  |
| 50) Toluene-d8              | 10.185 | 98    | 3532     | 51.673   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.340% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 506      | 22.355   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 44.700%  |

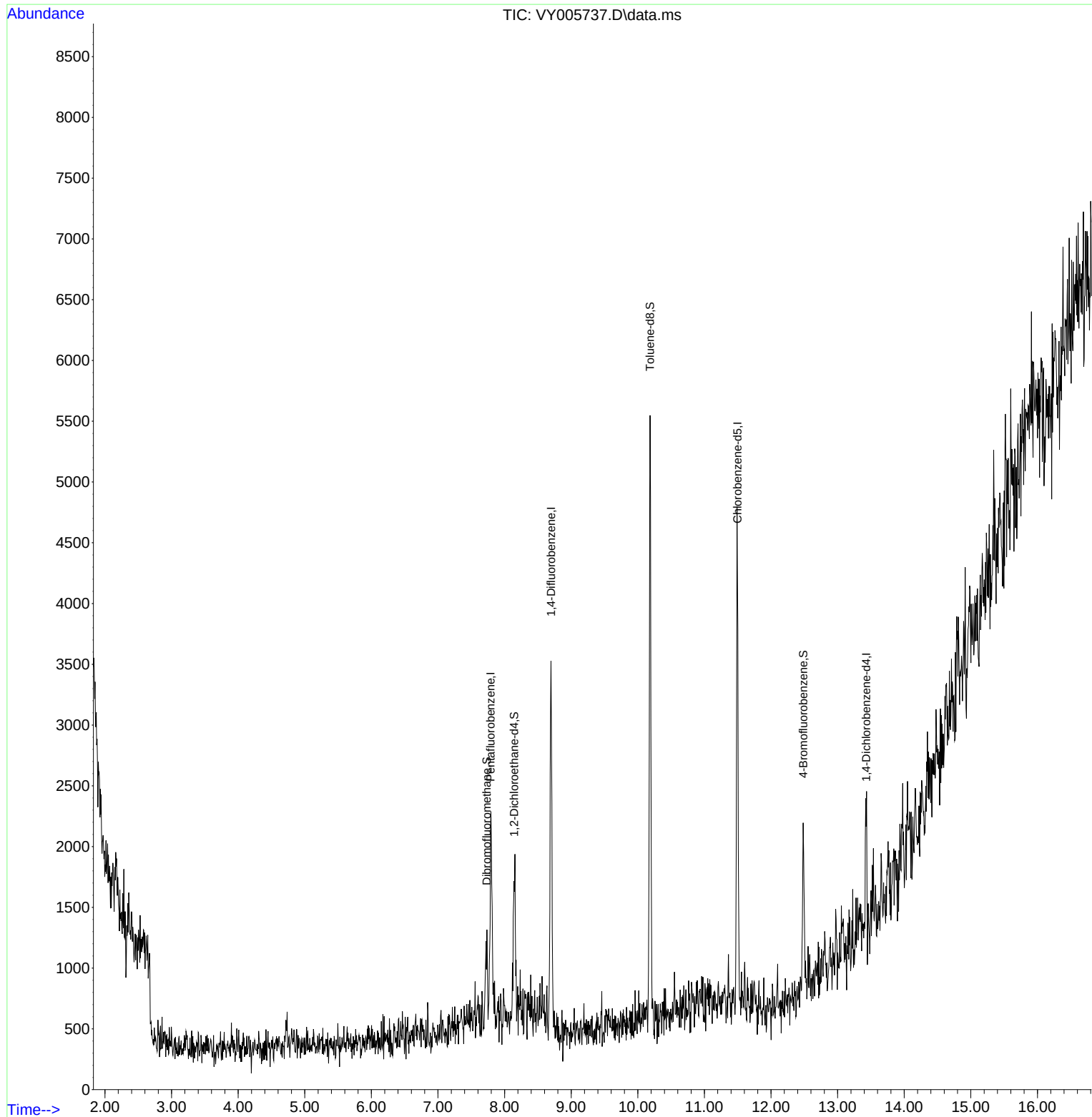
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

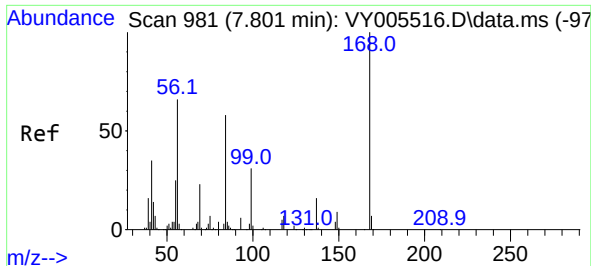
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

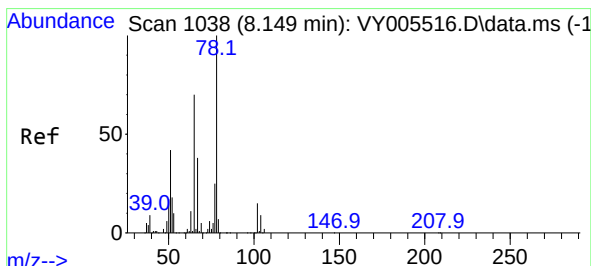
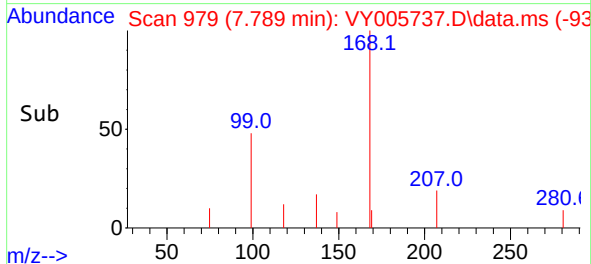
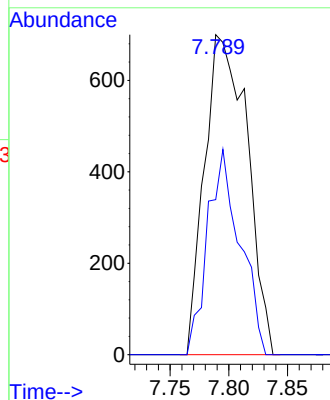
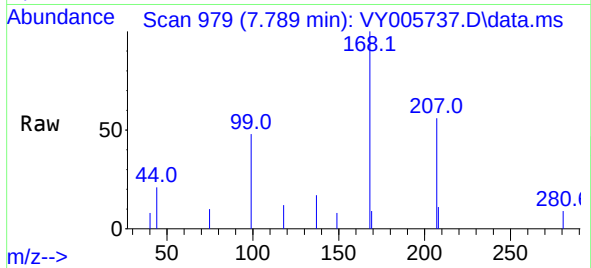




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.012 min  
Lab File: VY005737.D  
Acq: 18 Aug 2021 14:12

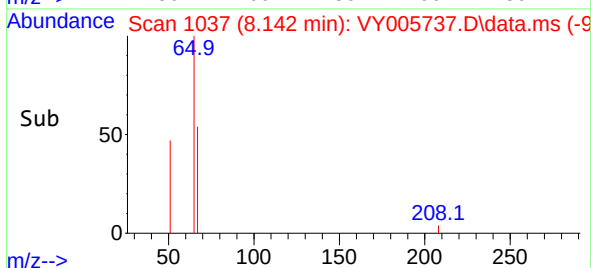
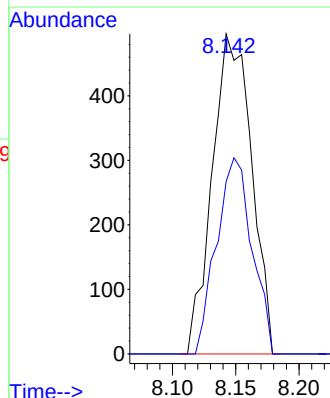
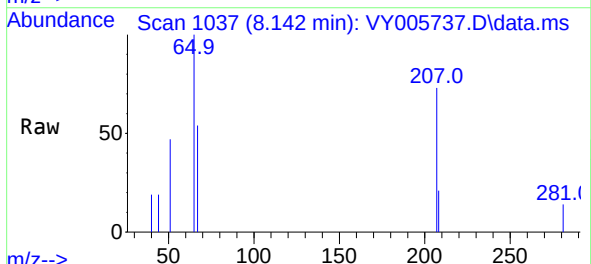
Instrument :  
MSVOA\_Y  
ClientSampled :  
PE-4

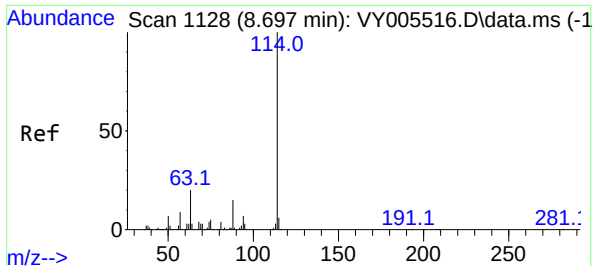
Tgt Ion:168 Resp: 1764  
Ion Ratio Lower Upper  
168 100  
99 48.4 38.9 58.3



#33  
1,2-Dichloroethane-d4  
Concen: 59.980 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY005737.D  
Acq: 18 Aug 2021 14:12

Tgt Ion: 65 Resp: 1071  
Ion Ratio Lower Upper  
65 100  
67 55.5 0.0 103.4



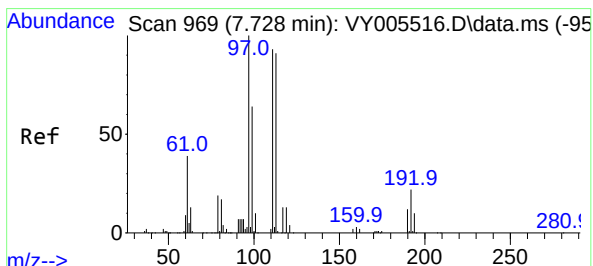
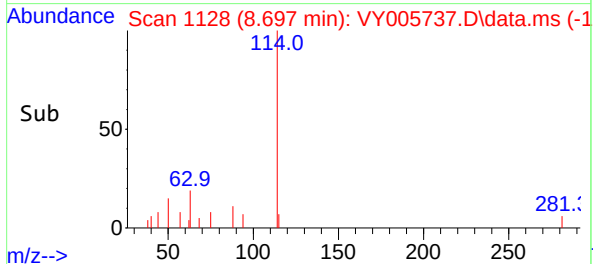
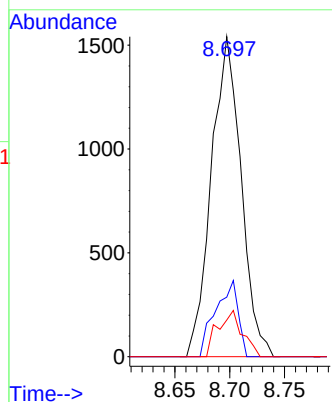
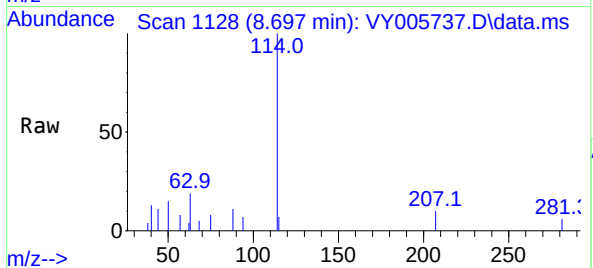


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005737.D  
Acq: 18 Aug 2021 14:12

Instrument :  
MSVOA\_Y  
ClientSampled :  
PE-4

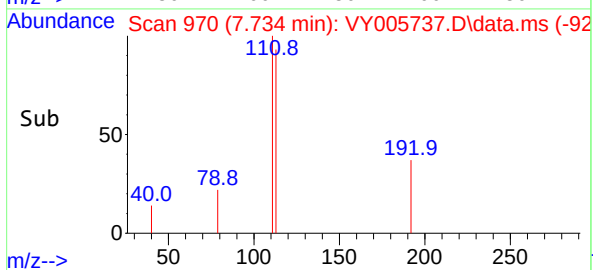
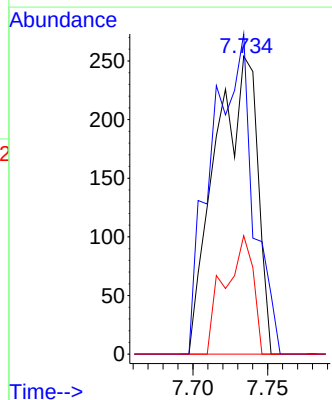
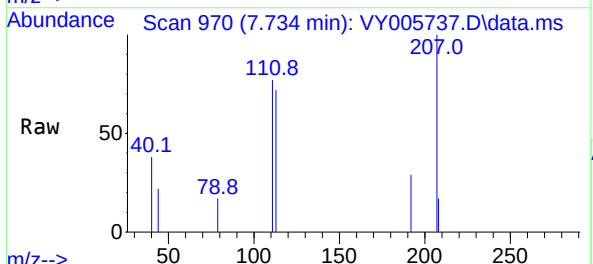
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 2911  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 18.6  | 0.0   | 39.2  |
| 88       | 11.5  | 0.0   | 30.8  |

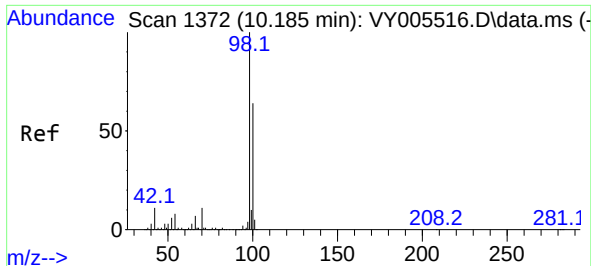


#35

Dibromofluoromethane  
Concen: 30.679 ug/l  
RT: 7.734 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY005737.D  
Acq: 18 Aug 2021 14:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 500   |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.0 | 81.9  | 122.9 |
| 192      | 26.8  | 19.2  | 28.8  |

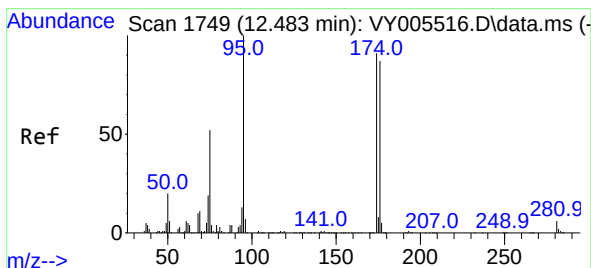
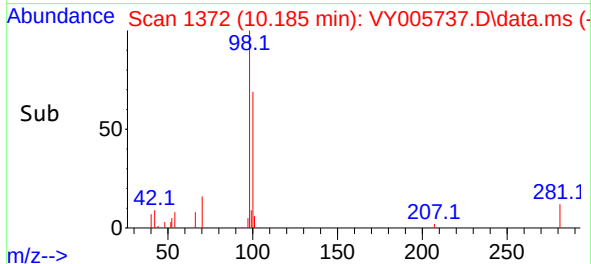
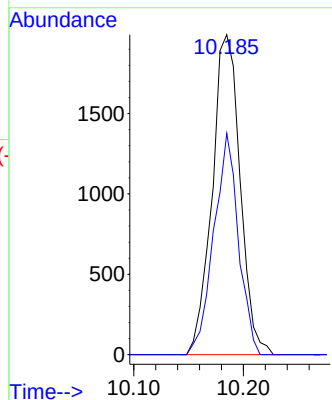
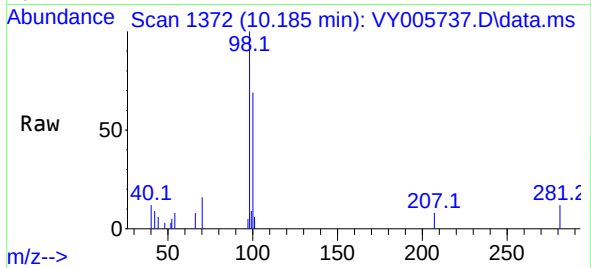




#50  
Toluene-d8  
Concen: 51.673 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005737.D  
Acq: 18 Aug 2021 14:12

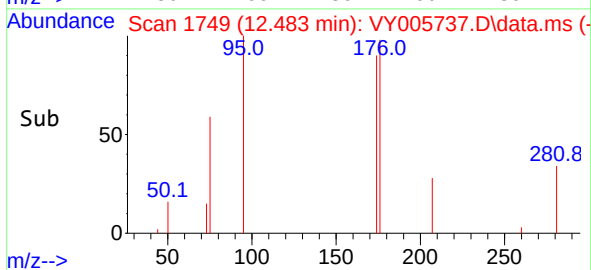
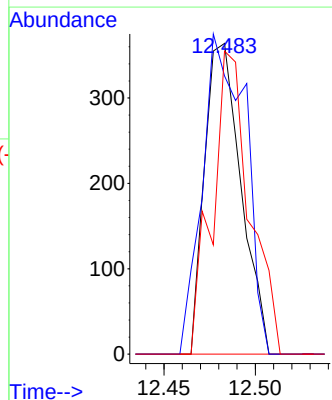
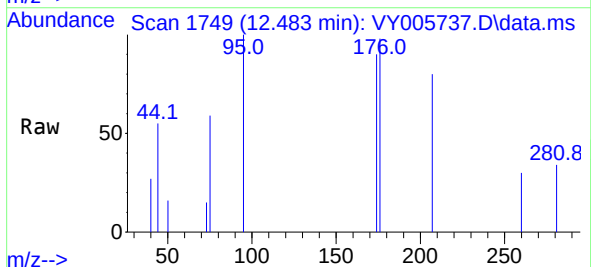
Instrument :  
MSVOA\_Y  
ClientSampled :  
PE-4

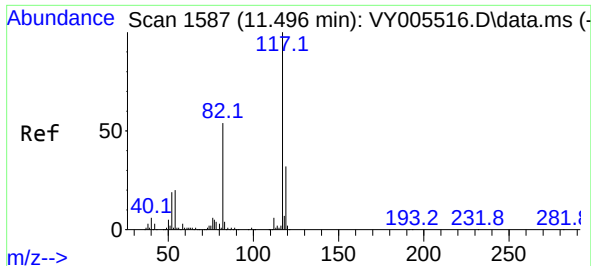
Tgt Ion: 98 Resp: 3532  
Ion Ratio Lower Upper  
98 100  
100 60.7 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 22.355 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005737.D  
Acq: 18 Aug 2021 14:12

Tgt Ion: 95 Resp: 506  
Ion Ratio Lower Upper  
95 100  
174 120.8 0.0 191.4  
176 100.4 0.0 183.6

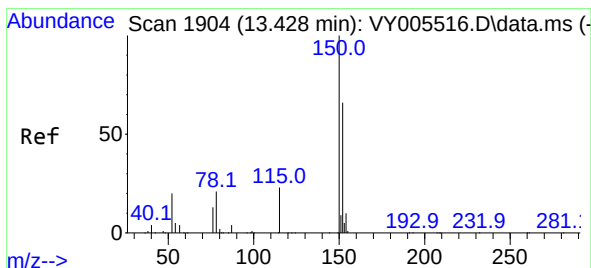
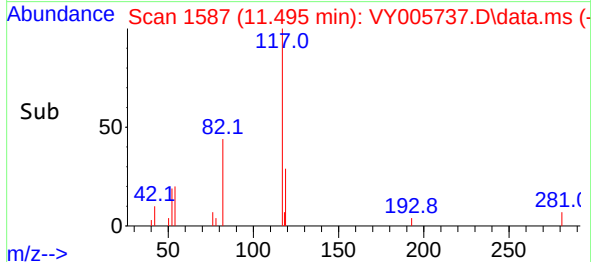
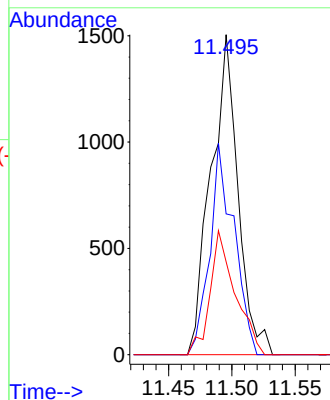
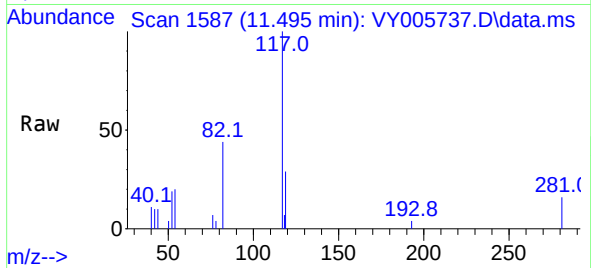




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005737.D  
Acq: 18 Aug 2021 14:12

Instrument :  
MSVOA\_Y  
ClientSampled :  
PE-4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 2239  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 44.0  | 43.5  | 65.3  |
| 119      | 29.0  | 25.5  | 38.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005737.D  
Acq: 18 Aug 2021 14:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 352   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 48.0  | 27.3  | 81.9  |
| 150      | 117.0 | 0.0   | 350.2 |

