

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021622\  
 Data File : VD071998.D  
 Acq On : 16 Feb 2022 18:19  
 Operator : VA/SY  
 Sample : N1564-01  
 Misc : 5.14G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-2

Quant Time: Feb 17 00:50:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 27 06:04:38 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 368675   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 689312   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.637 | 117  | 663617   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 294560   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 245657   | 52.718   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.440% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 220124   | 48.581   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.160%  |
| 50) Toluene-d8              | 10.337 | 98    | 883707   | 52.223   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 104.440% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 319668   | 54.095   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 108.200% |

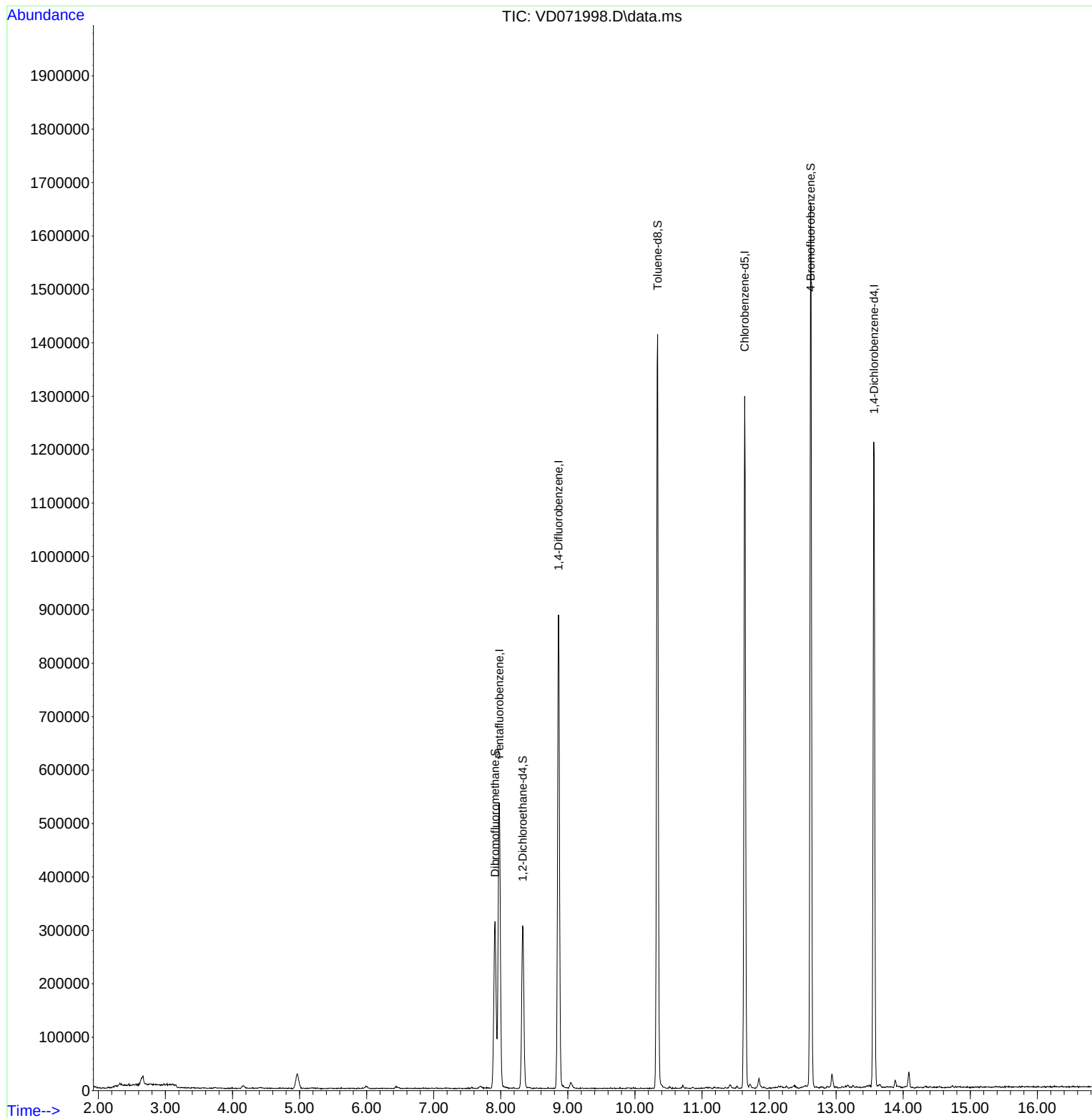
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

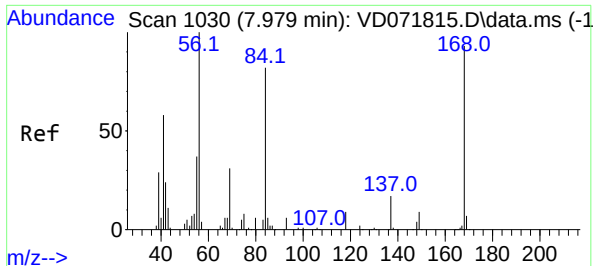
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 27 06:04:38 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD071998.D

Acq: 16 Feb 2022 18:19

Instrument :

MSVOA\_D

ClientSampleId :

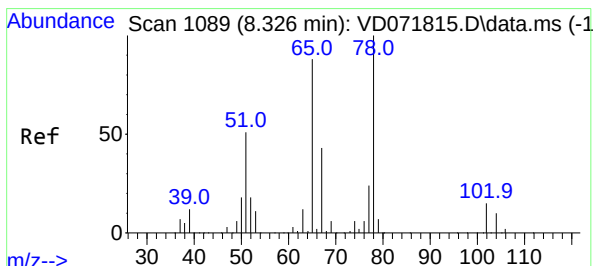
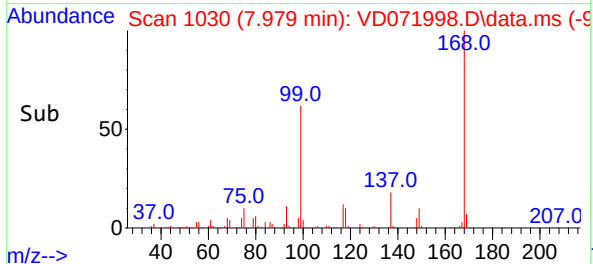
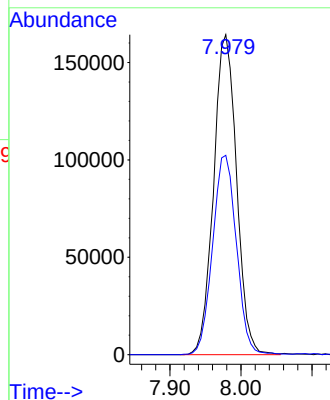
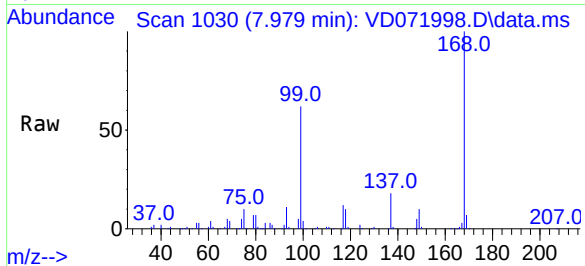
TP-2

Tgt Ion:168 Resp: 368675

Ion Ratio Lower Upper

168 100

99 62.3 49.8 74.6



1,2-Dichloroethane-d4

Concen: 52.718 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071998.D

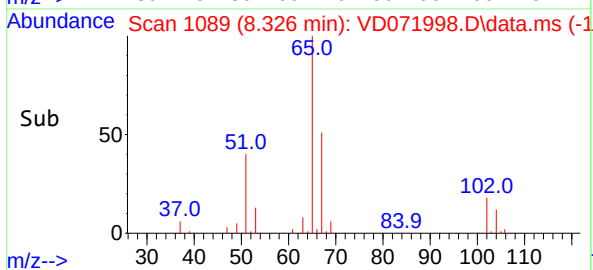
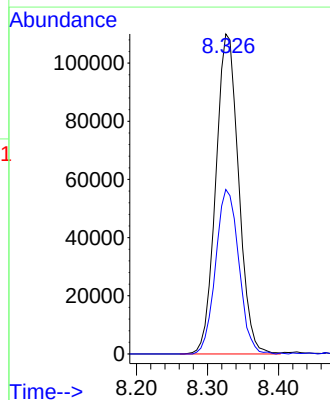
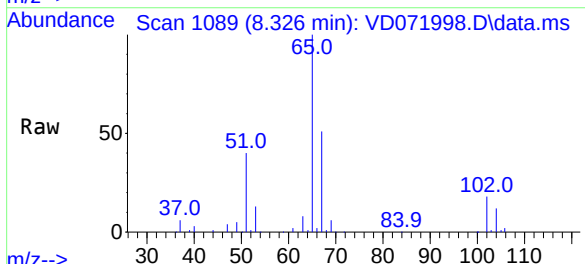
Acq: 16 Feb 2022 18:19

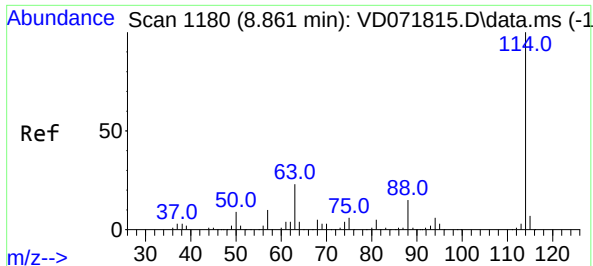
Tgt Ion: 65 Resp: 245657

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4



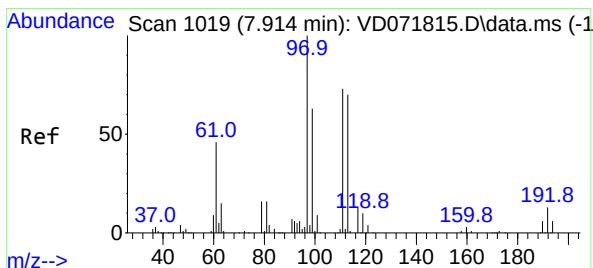
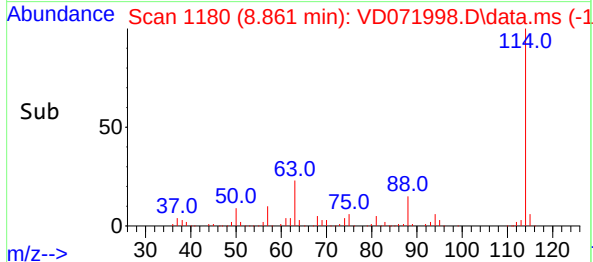
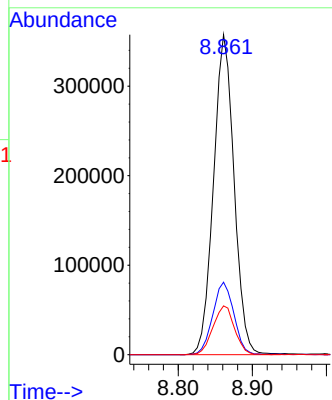
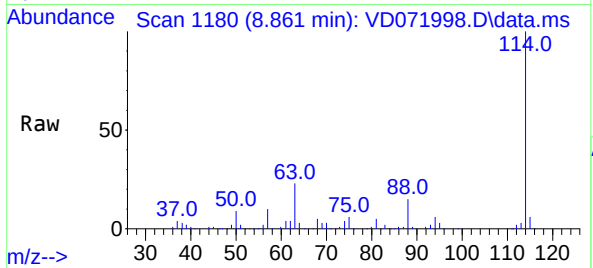


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD071998.D  
Acq: 16 Feb 2022 18:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

Tgt Ion:114 Resp: 689312

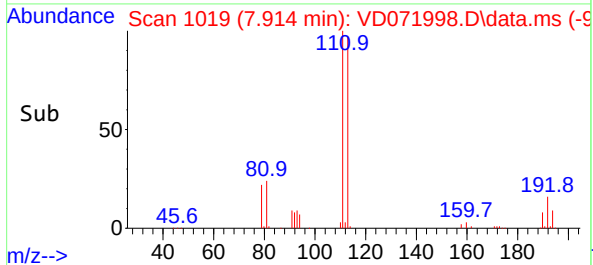
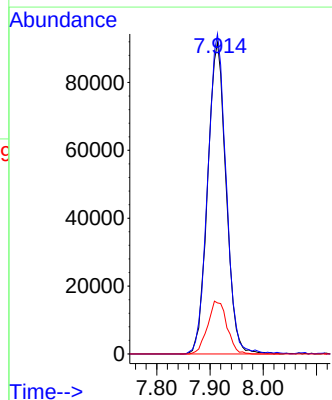
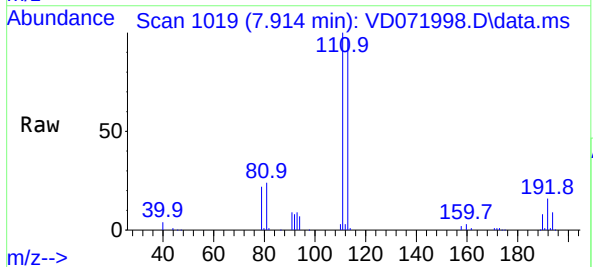
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 22.7  | 0.0   | 46.6  |
| 88  | 15.2  | 0.0   | 33.2  |

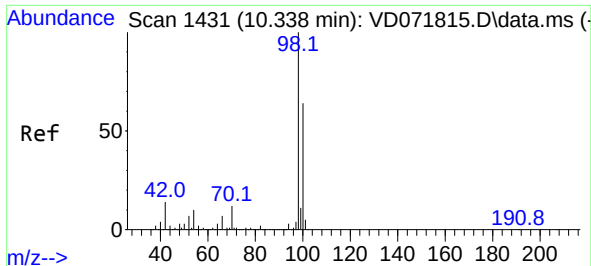


#35  
Dibromofluoromethane  
Concen: 48.581 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD071998.D  
Acq: 16 Feb 2022 18:19

Tgt Ion:113 Resp: 220124

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.4 | 83.8  | 125.6 |
| 192 | 17.7  | 14.6  | 21.8  |

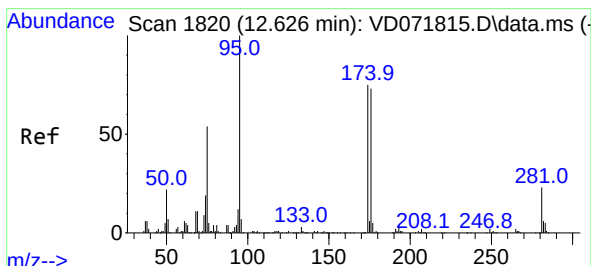
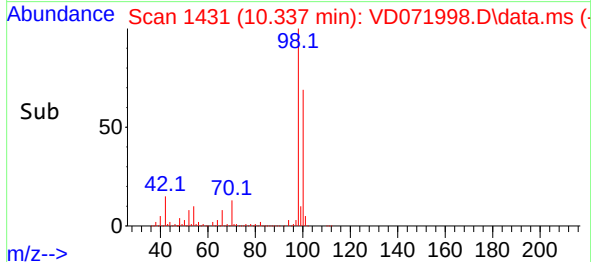
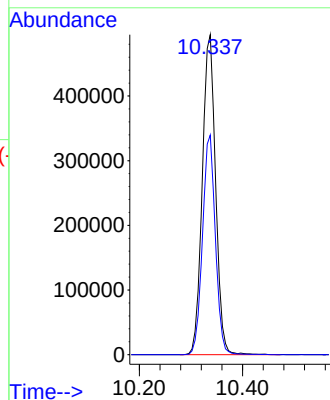
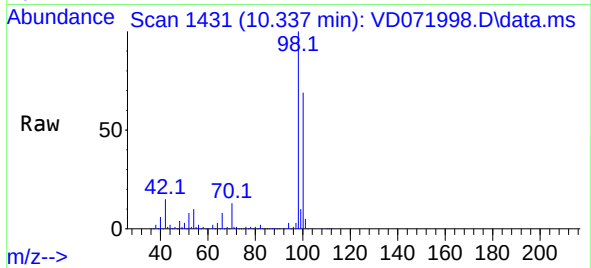




#50  
Toluene-d8  
Concen: 52.223 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071998.D  
Acq: 16 Feb 2022 18:19

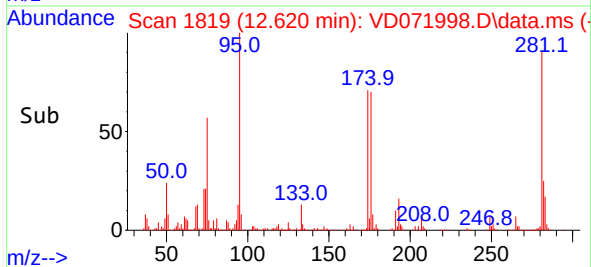
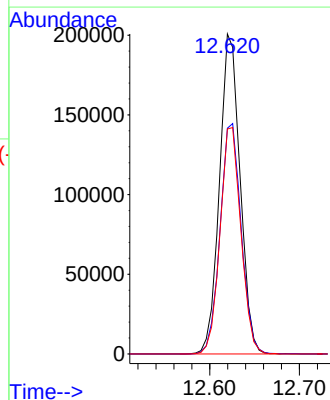
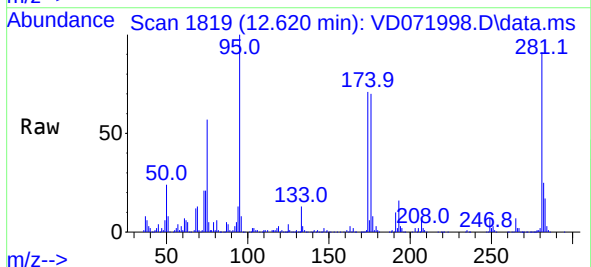
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

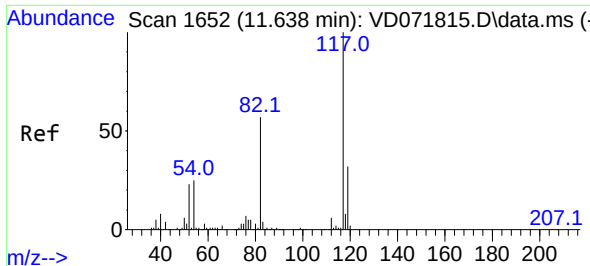
Tgt Ion: 98 Resp: 883707  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 54.095 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD071998.D  
Acq: 16 Feb 2022 18:19

Tgt Ion: 95 Resp: 319668  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 152.8  
176 71.6 0.0 145.4

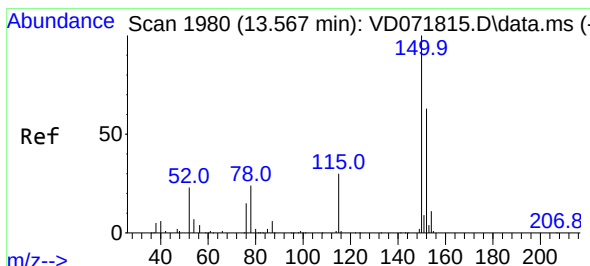
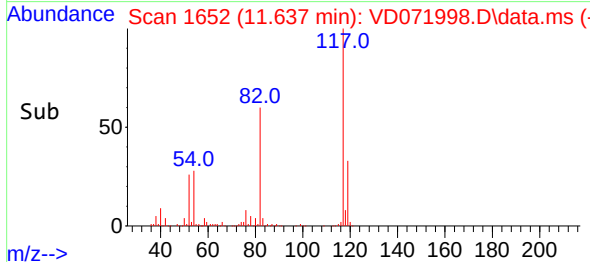
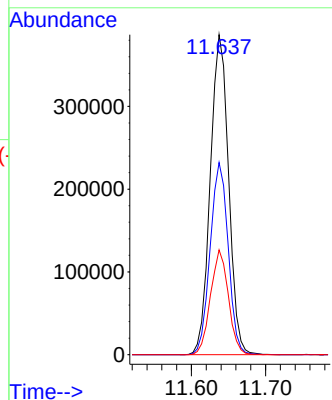
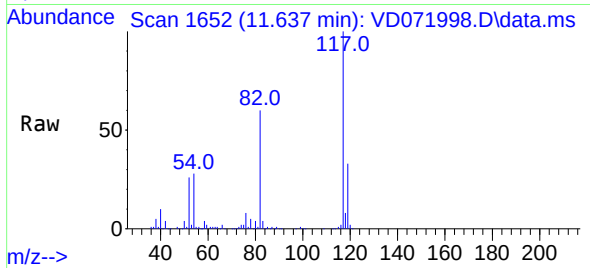




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD071998.D  
Acq: 16 Feb 2022 18:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

Tgt Ion:117 Resp: 663617  
Ion Ratio Lower Upper  
117 100  
82 60.0 45.3 67.9  
119 32.7 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD071998.D  
Acq: 16 Feb 2022 18:19

Tgt Ion:152 Resp: 294560  
Ion Ratio Lower Upper  
152 100  
115 61.4 31.3 93.8  
150 159.3 0.0 348.6

