

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051222\  
 Data File : VD072958.D  
 Acq On : 12 May 2022 20:15  
 Operator : VA/SY  
 Sample : N2782-09  
 Misc : 5.49G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P019-SS002-0006-01

Quant Time: May 13 05:57:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 313899   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 561681   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 547389   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 246427   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 169481   | 41.594   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 83.180% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 184571   | 46.789   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 93.580% |
| 50) Toluene-d8              | 10.332 | 98    | 688198   | 48.635   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 97.280% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 245028   | 46.440   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 92.880% |

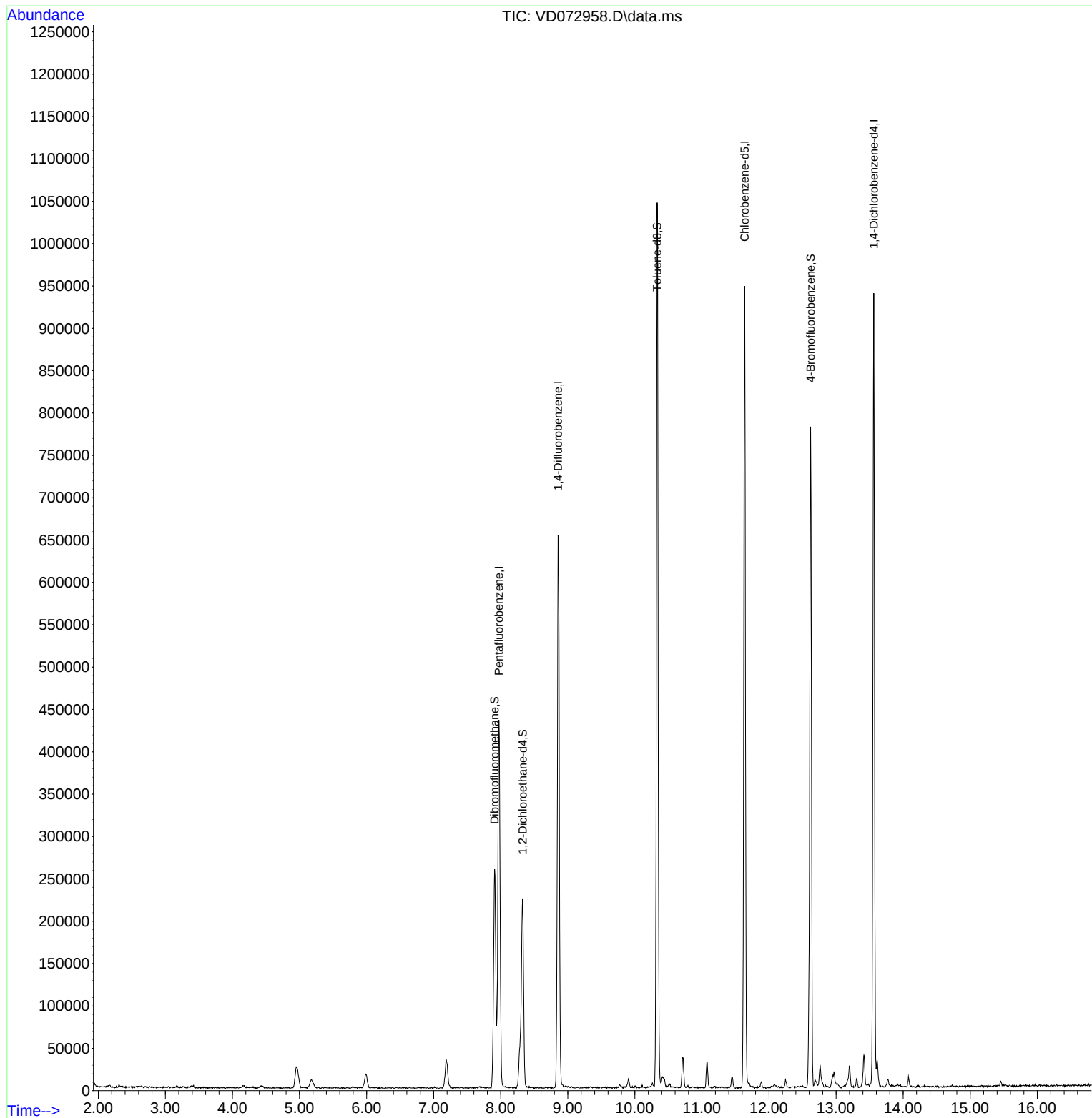
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

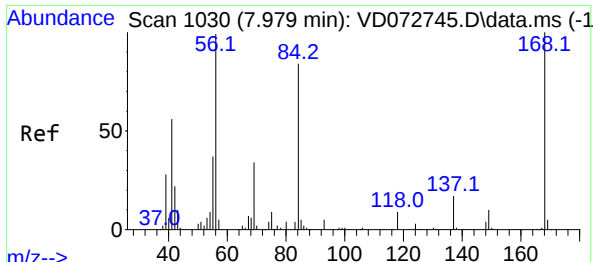
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072958.D

Acq: 12 May 2022 20:15

Instrument :

MSVOA\_D

ClientSampleId :

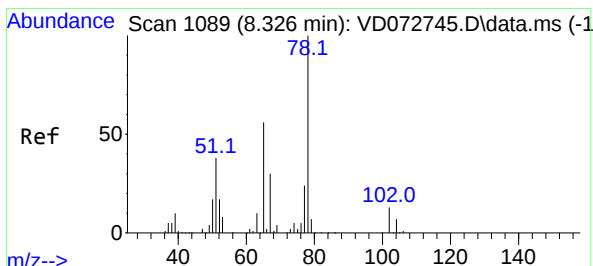
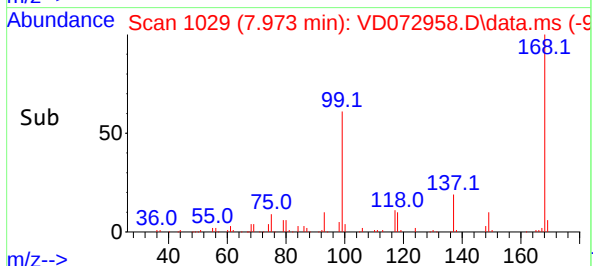
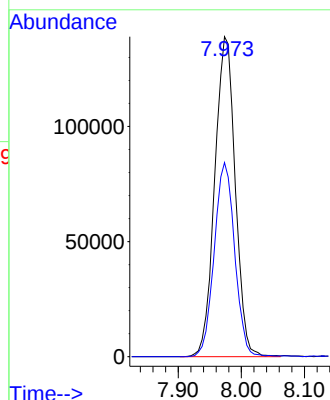
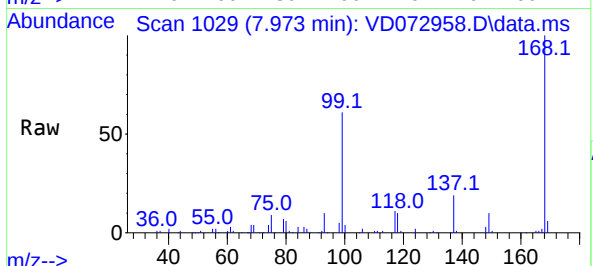
P019-SS002-0006-01

Tgt Ion:168 Resp: 313899

Ion Ratio Lower Upper

168 100

99 60.7 49.8 74.6



1,2-Dichloroethane-d4

Concen: 41.594 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072958.D

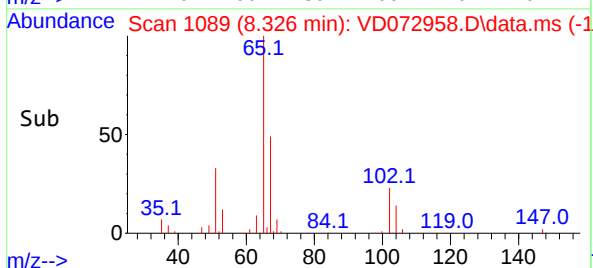
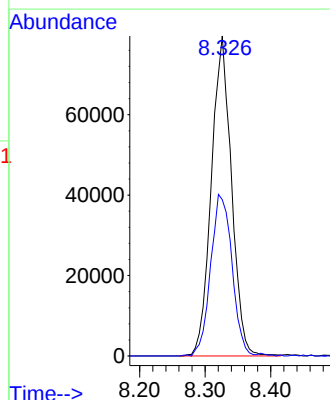
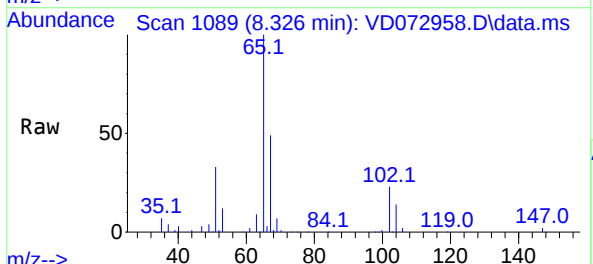
Acq: 12 May 2022 20:15

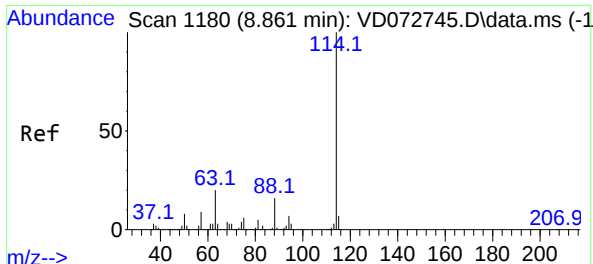
Tgt Ion: 65 Resp: 169481

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.4

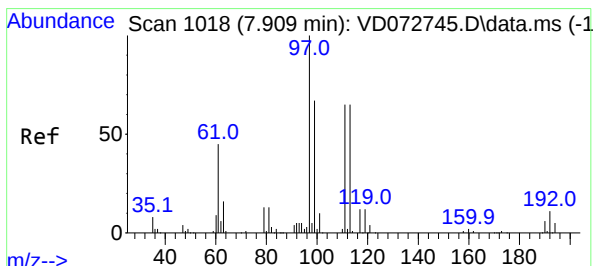
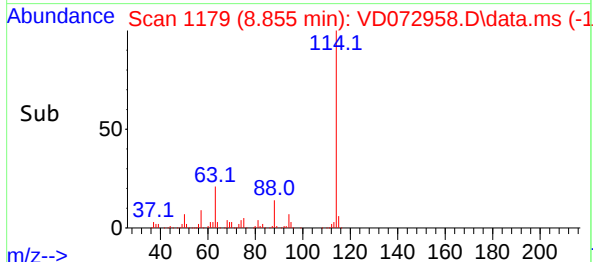
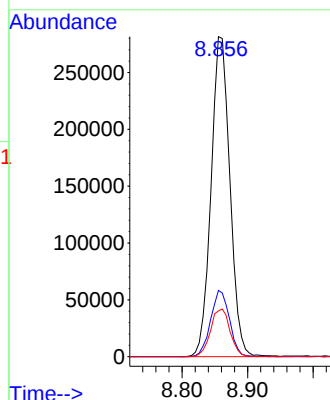
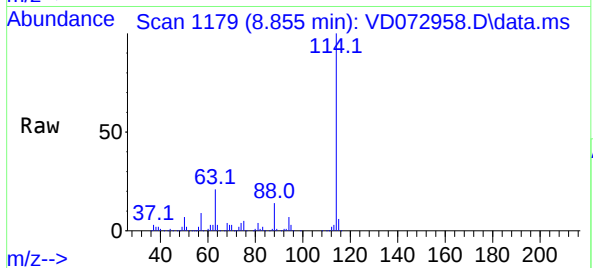




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD072958.D  
Acq: 12 May 2022 20:15

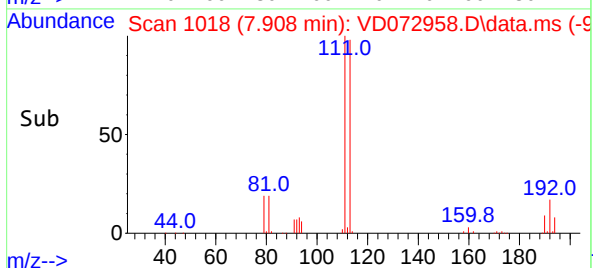
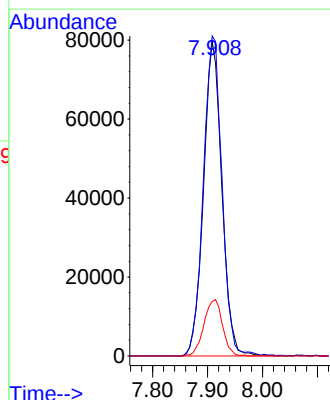
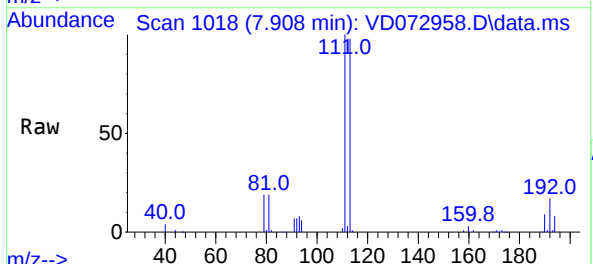
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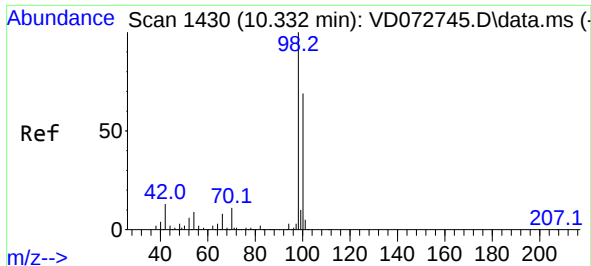
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 561681 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.7  | 0.0   | 46.6   |
| 88        | 14.3  | 0.0   | 33.2   |



#35  
Dibromofluoromethane  
Concen: 46.789 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.001 min  
Lab File: VD072958.D  
Acq: 12 May 2022 20:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 184571 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.0 | 83.8  | 125.6  |
| 192       | 18.2  | 14.6  | 21.8   |

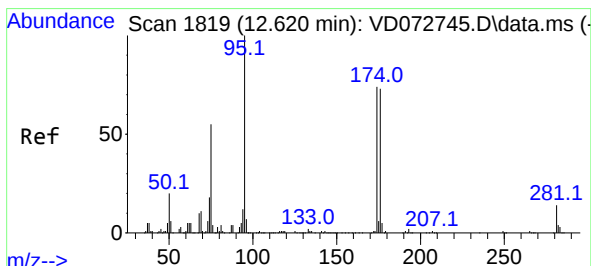
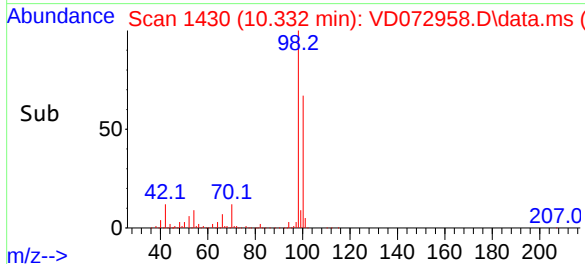
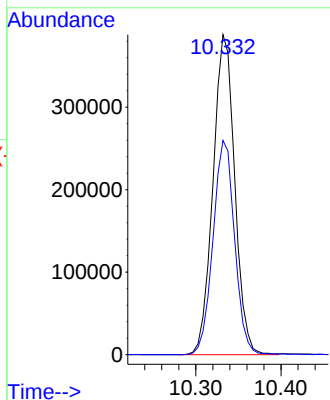
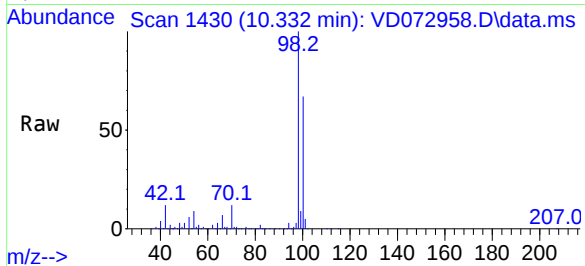




#50  
Toluene-d8  
Concen: 48.635 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072958.D  
Acq: 12 May 2022 20:15

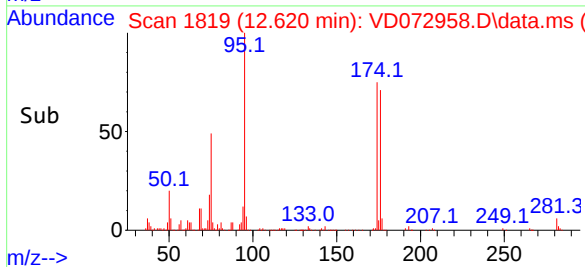
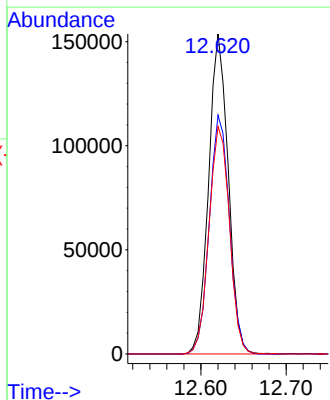
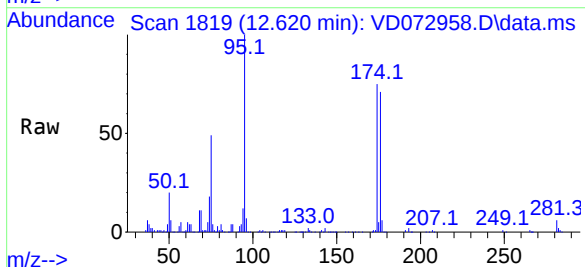
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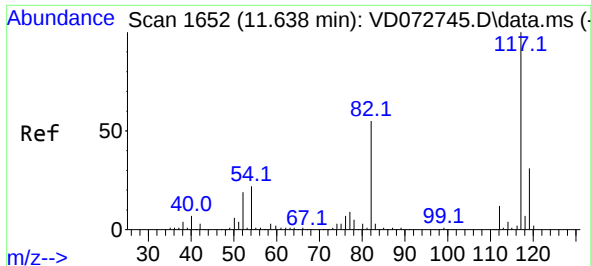
Tgt Ion: 98 Resp: 688198  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 46.440 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD072958.D  
Acq: 12 May 2022 20:15

Tgt Ion: 95 Resp: 245028  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 152.8  
176 74.3 0.0 145.4

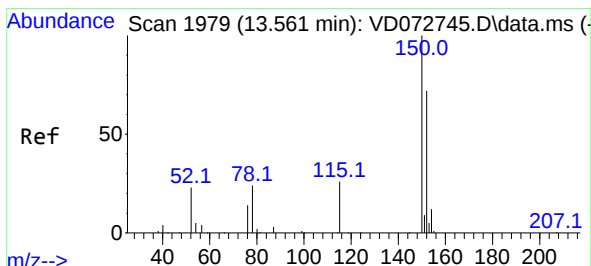
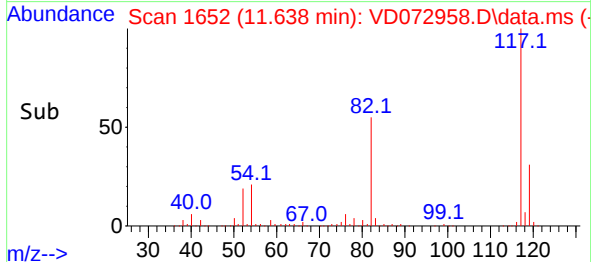
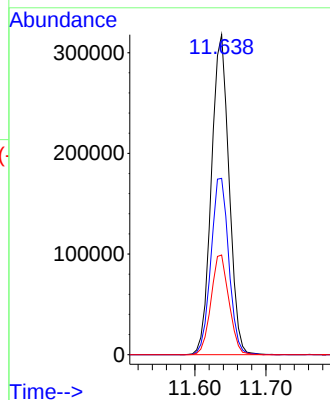
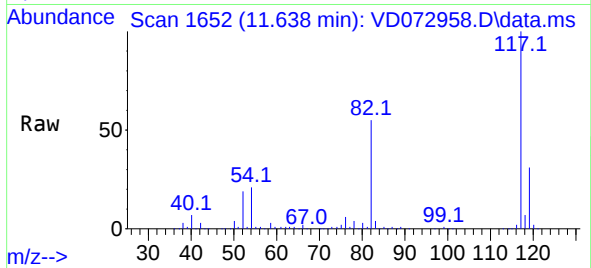




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD072958.D  
Acq: 12 May 2022 20:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
P019-SS002-0006-01

Tgt Ion:117 Resp: 547389  
Ion Ratio Lower Upper  
117 100  
82 55.1 45.3 67.9  
119 31.1 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD072958.D  
Acq: 12 May 2022 20:15

Tgt Ion:152 Resp: 246427  
Ion Ratio Lower Upper  
152 100  
115 58.7 31.3 93.8  
150 156.6 0.0 348.6

