

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050422\  
 Data File : VD072798.D  
 Acq On : 04 May 2022 19:45  
 Operator : VA/SY  
 Sample : N2677-08  
 Misc : 7.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-3,13

Quant Time: May 05 01:39:18 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      | 7.967  | 168  | 25839    | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 44984    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 48651    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 21352    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 26576    | 79.234   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 158.460% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 20088    | 63.584   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 127.160% |
| 50) Toluene-d8              | 10.332 | 98    | 54026    | 47.673   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 95.340%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 20508    | 48.532   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 97.060%  |

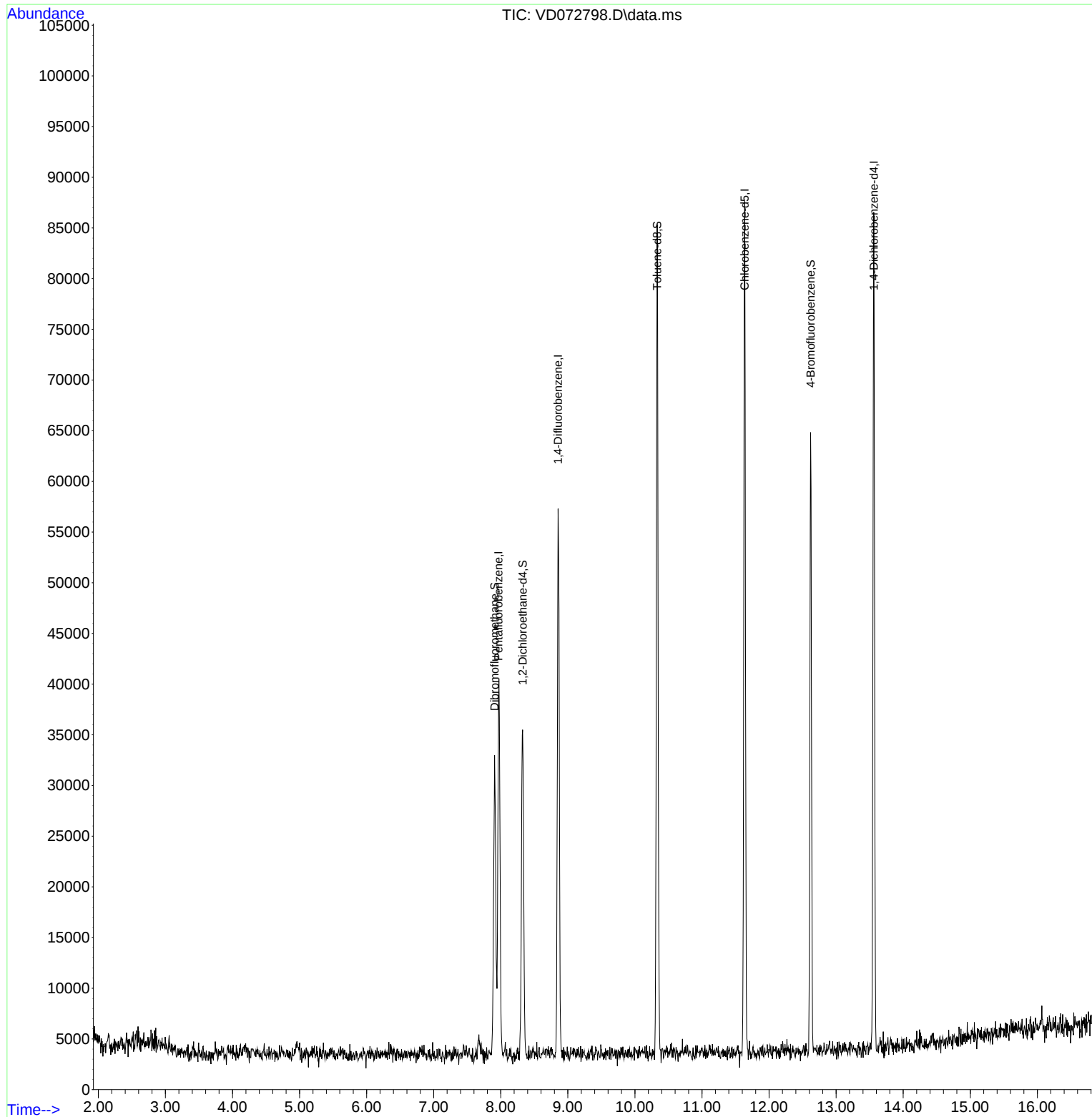
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

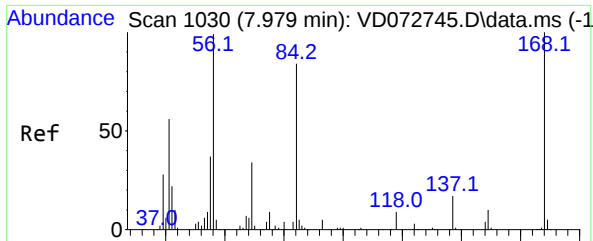
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-3,13

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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





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072798.D

Acq: 04 May 2022 19:45

Instrument :

MSVOA\_D

ClientSampleId :

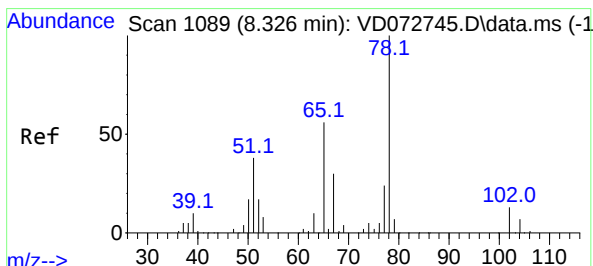
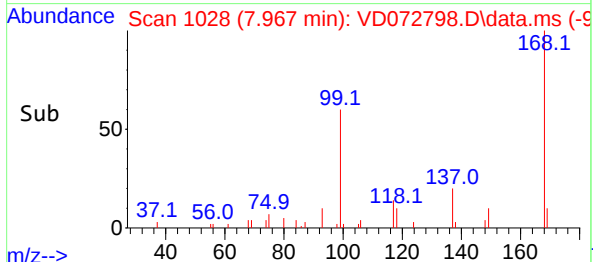
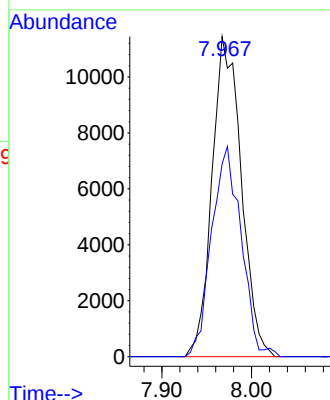
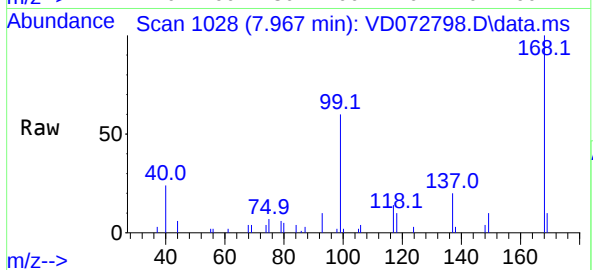
SB-3,13

Tgt Ion:168 Resp: 25839

Ion Ratio Lower Upper

168 100

99 60.2 49.8 74.6



1,2-Dichloroethane-d4

Concen: 79.234 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072798.D

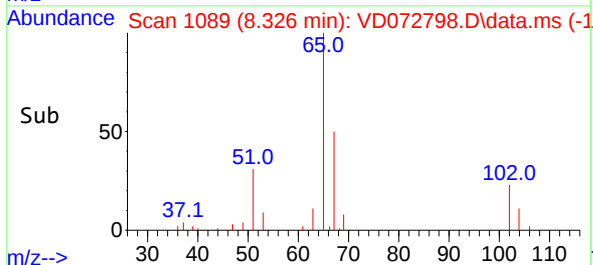
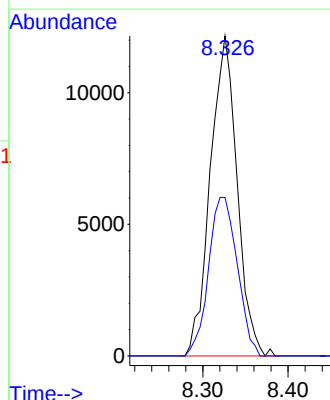
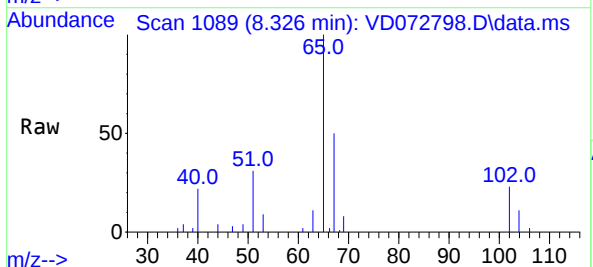
Acq: 04 May 2022 19:45

Tgt Ion: 65 Resp: 26576

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.4

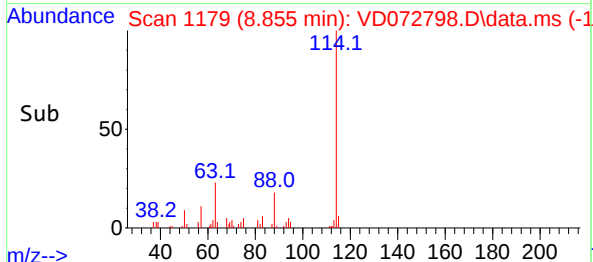
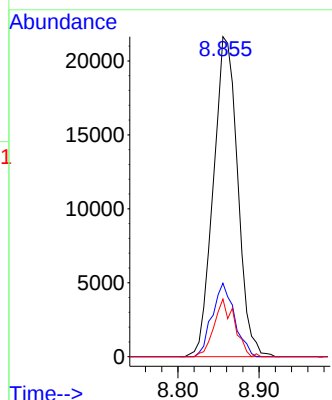
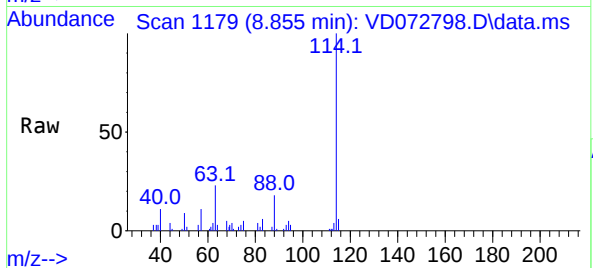




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD072798.D  
Acq: 04 May 2022 19:45

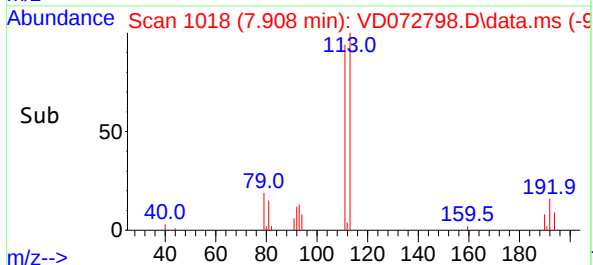
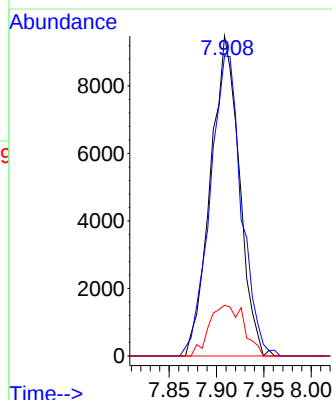
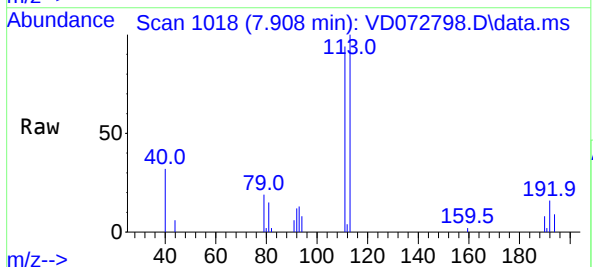
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-3,13

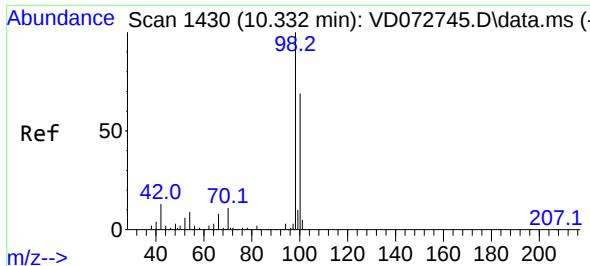
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 44984 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 22.9  | 0.0   | 46.6  |
| 88        | 18.0  | 0.0   | 33.2  |



#35  
Dibromofluoromethane  
Concen: 63.584 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.001 min  
Lab File: VD072798.D  
Acq: 04 May 2022 19:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 20088 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.0 | 83.8  | 125.6 |
| 192       | 19.1  | 14.6  | 21.8  |

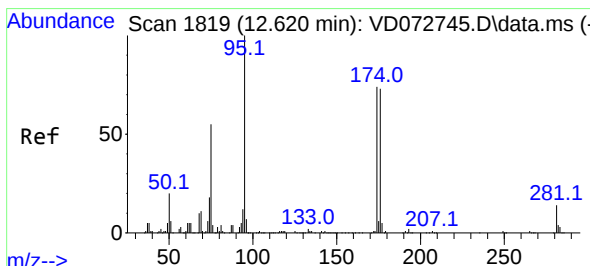
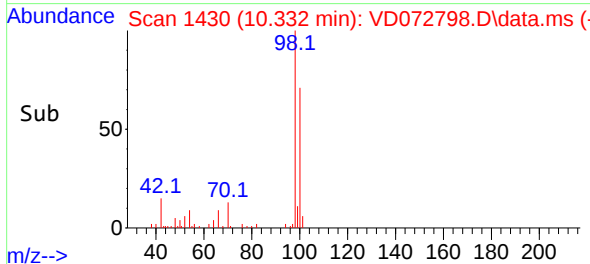
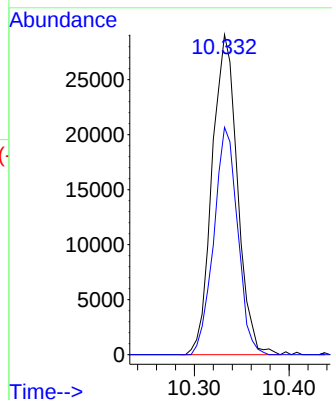
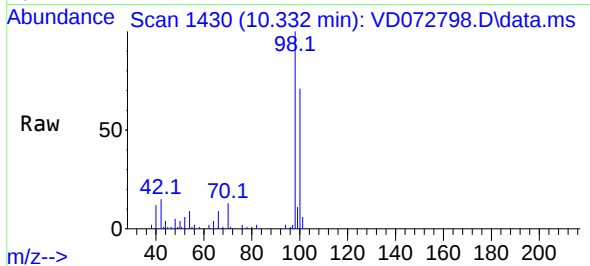




#50  
Toluene-d8  
Concen: 47.673 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072798.D  
Acq: 04 May 2022 19:45

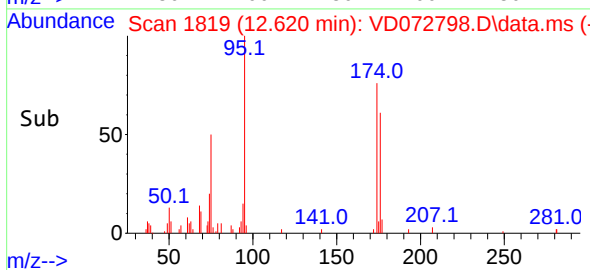
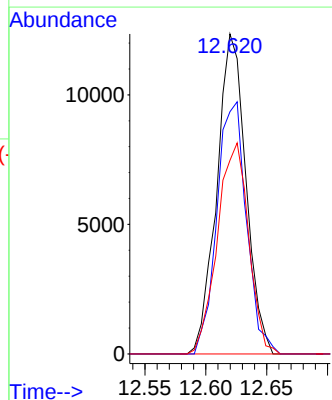
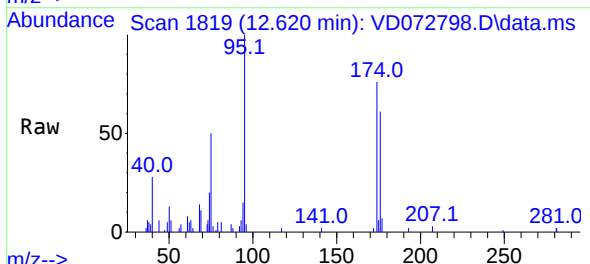
Instrument :  
MSVOA\_D  
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SB-3,13

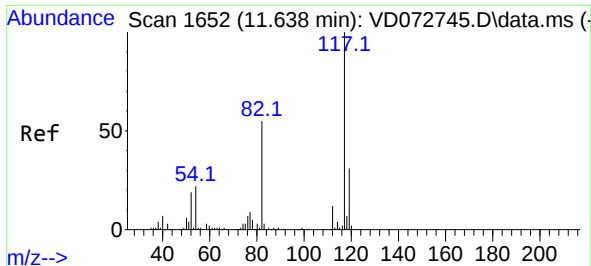
Tgt Ion: 98 Resp: 54026  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 48.532 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD072798.D  
Acq: 04 May 2022 19:45

Tgt Ion: 95 Resp: 20508  
Ion Ratio Lower Upper  
95 100  
174 80.1 0.0 152.8  
176 70.7 0.0 145.4

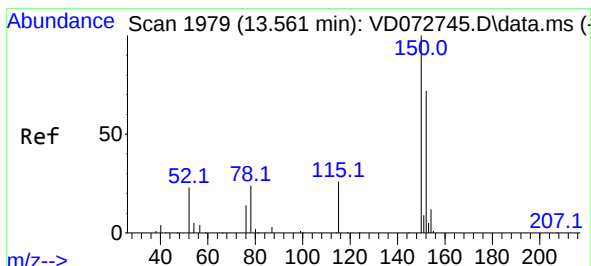
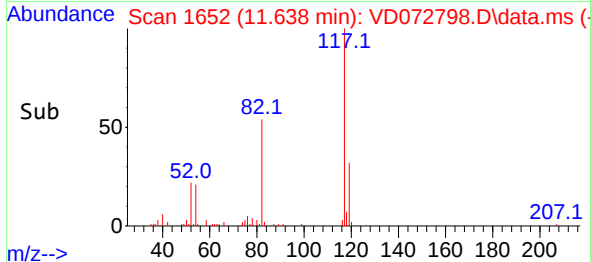
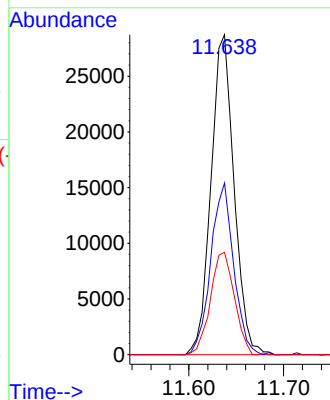
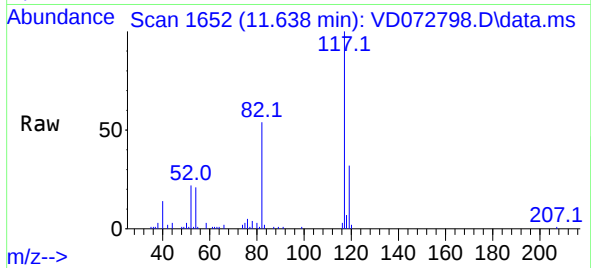




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD072798.D  
Acq: 04 May 2022 19:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-3,13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 48651 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.7  | 45.3  | 67.9  |
| 119      | 32.0  | 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: VD072798.D  
Acq: 04 May 2022 19:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 21352 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 62.3  | 31.3  | 93.8  |
| 150      | 164.6 | 0.0   | 348.6 |

