

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102121\  
 Data File : VD070808.D  
 Acq On : 21 Oct 2021 18:44  
 Operator : VA/SY  
 Sample : M4294-10  
 Misc : 5.53G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-2-GD

Quant Time: Oct 22 06:17:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 18 08:32:03 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 437972   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 806950   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 768425   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 321371   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 286968   | 55.319   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 110.640% |
| 35) Dibromofluoromethane    | 7.909  | 113   | 265701   | 51.423   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.840% |
| 50) Toluene-d8              | 10.332 | 98    | 1054945  | 53.262   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 106.520% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 329785   | 48.355   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 96.720%  |

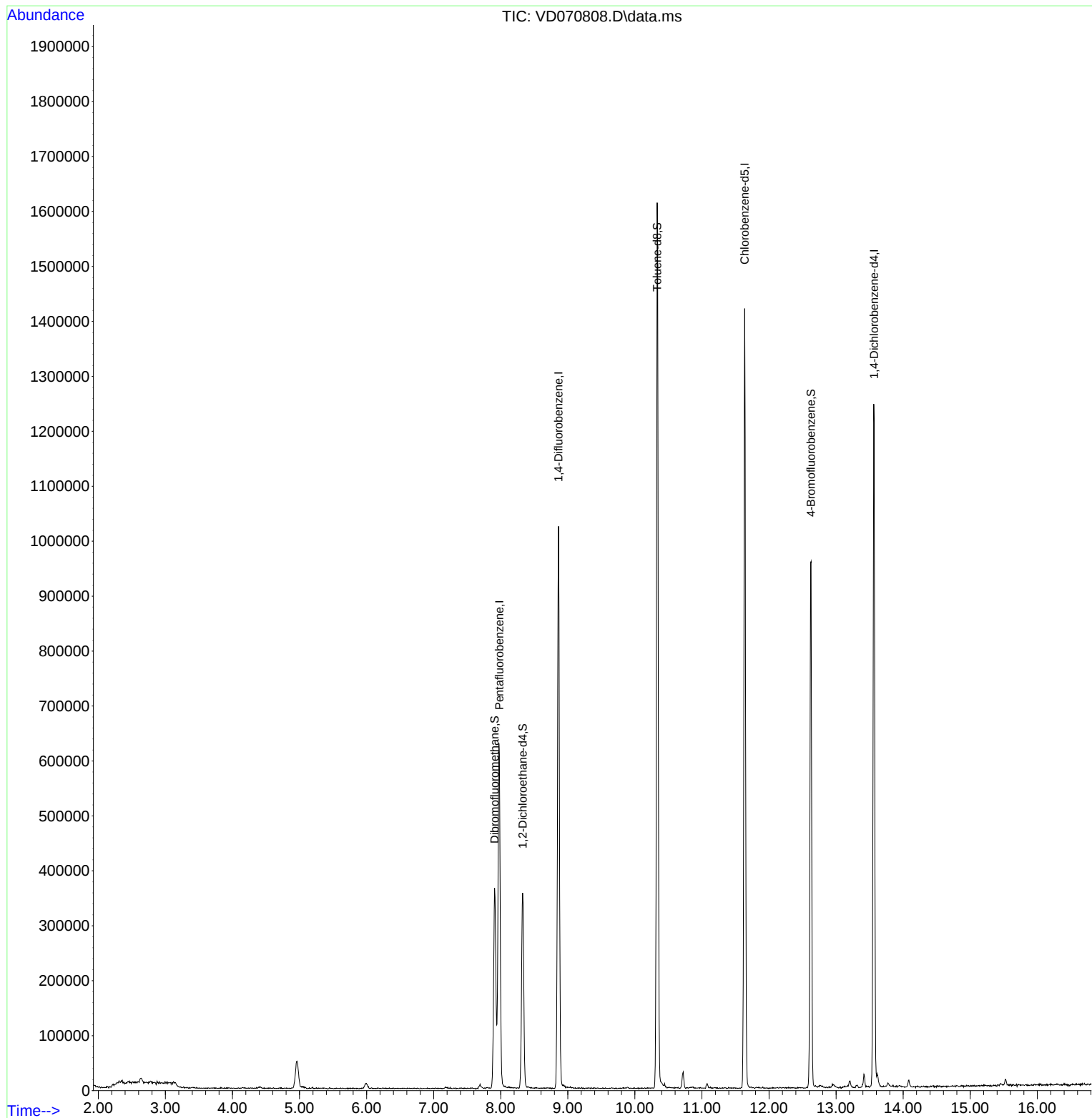
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

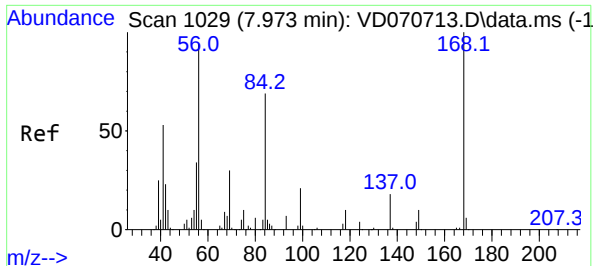
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 18 08:32:03 2021  
Response via : Initial Calibration

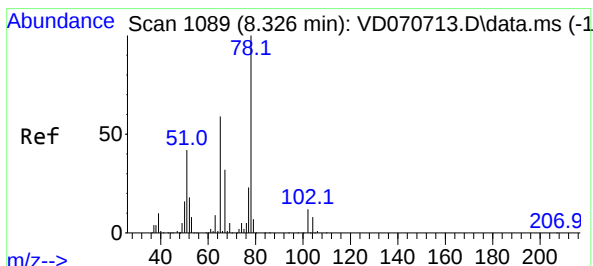
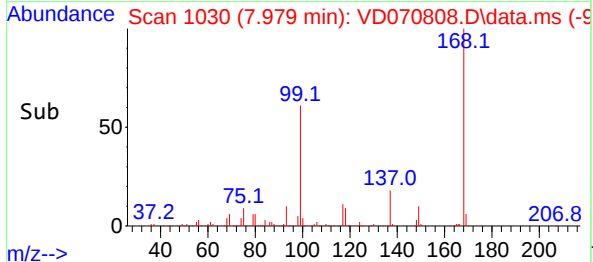
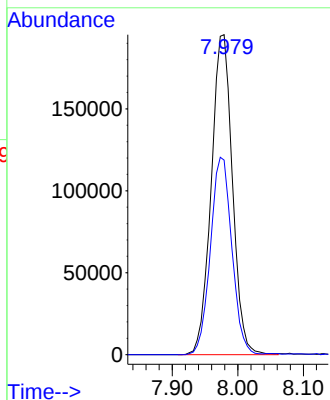
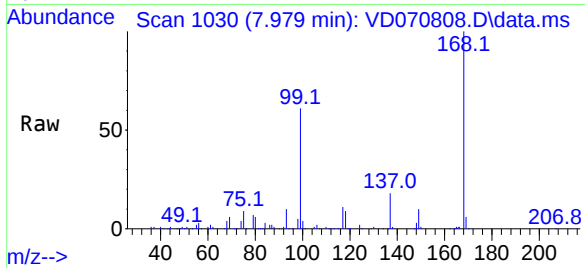




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD070808.D  
Acq: 21 Oct 2021 18:44

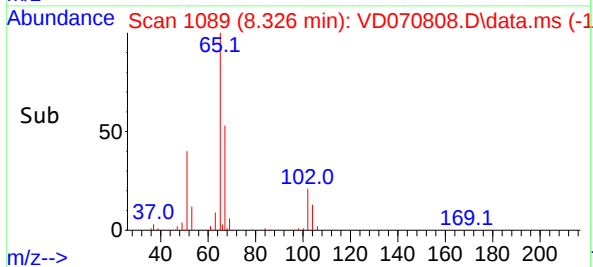
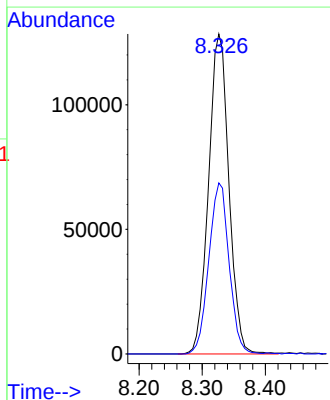
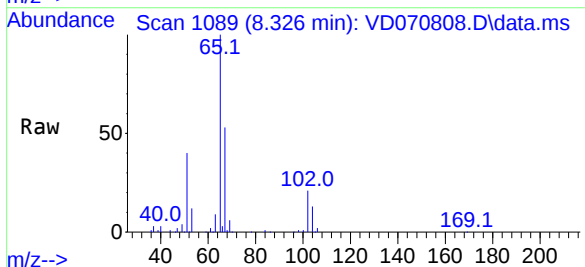
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-2-GD

Tgt Ion:168 Resp: 437972  
Ion Ratio Lower Upper  
168 100  
99 60.8 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 55.319 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070808.D  
Acq: 21 Oct 2021 18:44

Tgt Ion: 65 Resp: 286968  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 110.2

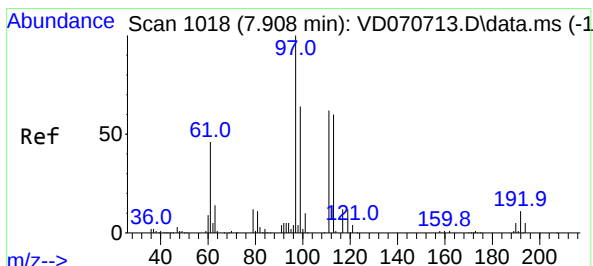
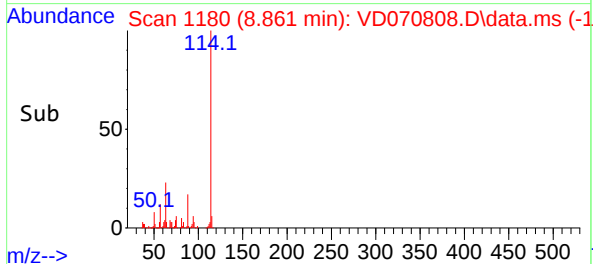
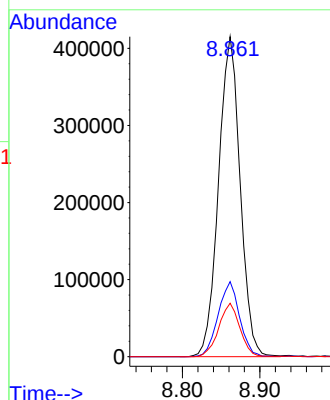
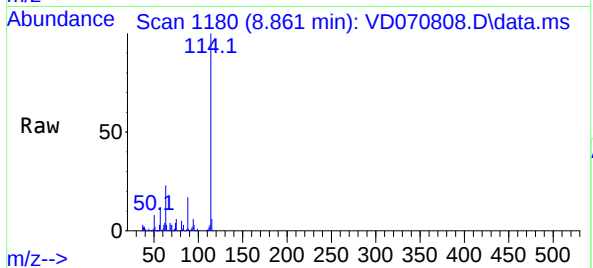




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070808.D  
Acq: 21 Oct 2021 18:44

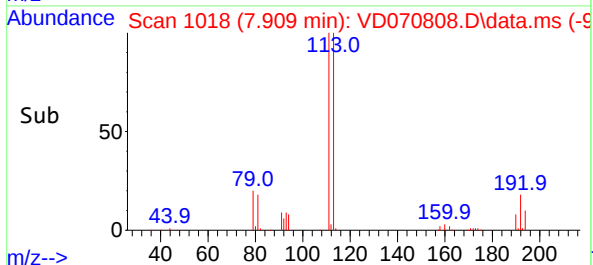
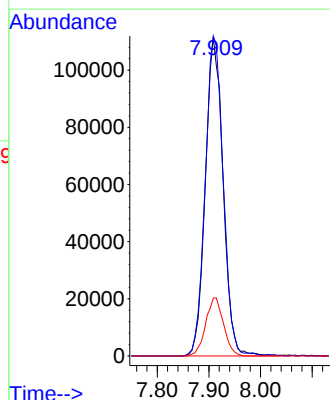
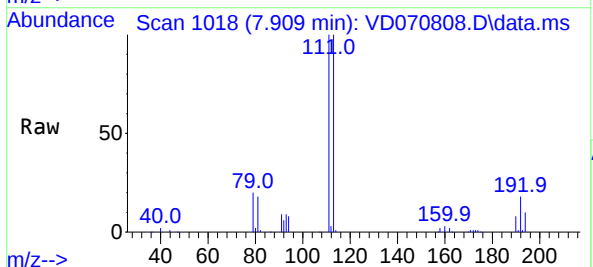
Instrument :  
MSVOA\_D  
ClientSampled :  
WC-2-GD

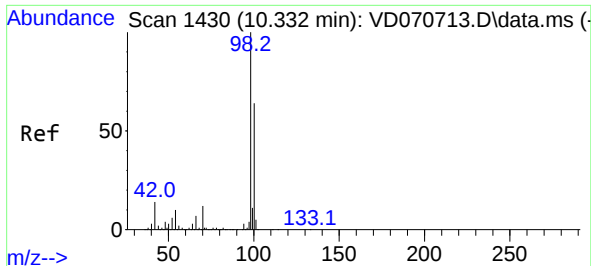
Tgt Ion:114 Resp: 806950  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 41.8  
88 16.7 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 51.423 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD070808.D  
Acq: 21 Oct 2021 18:44

Tgt Ion:113 Resp: 265701  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.1 124.7  
192 18.4 12.7 19.1

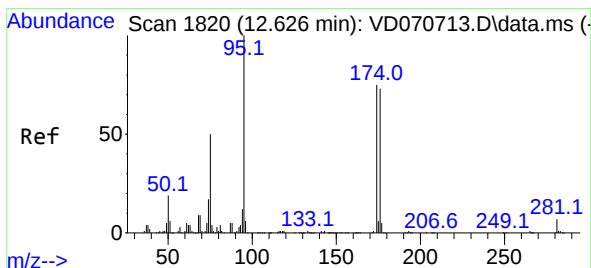
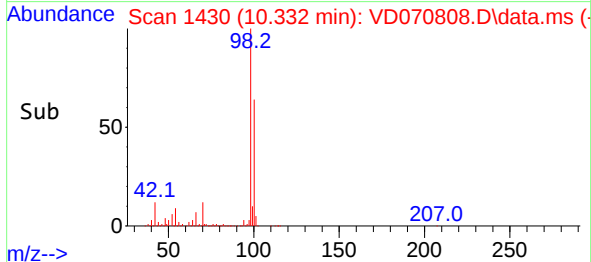
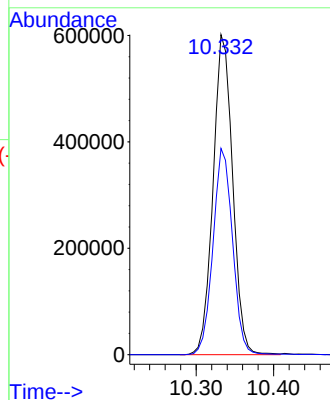
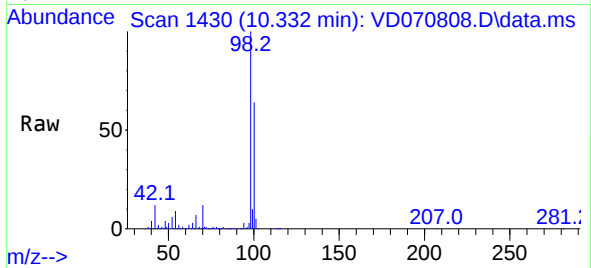




#50  
Toluene-d8  
Concen: 53.262 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD070808.D  
Acq: 21 Oct 2021 18:44

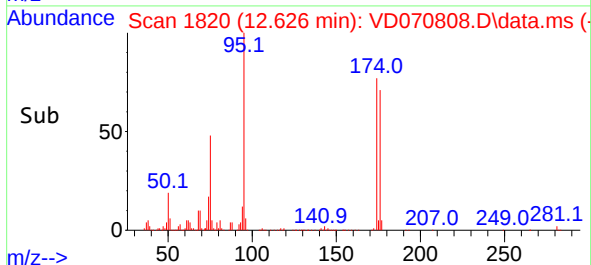
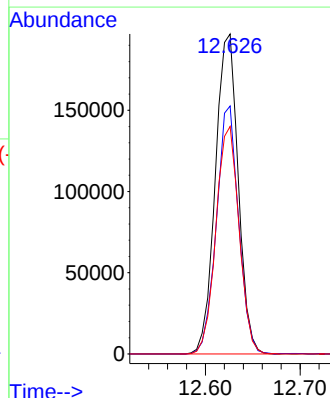
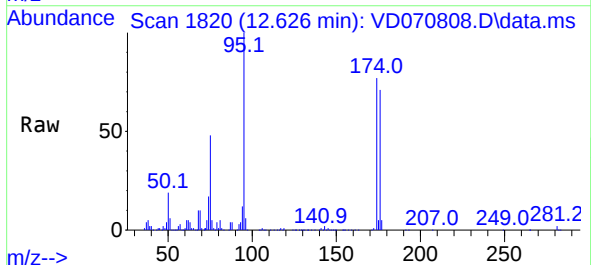
Instrument :  
MSVOA\_D  
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WC-2-GD

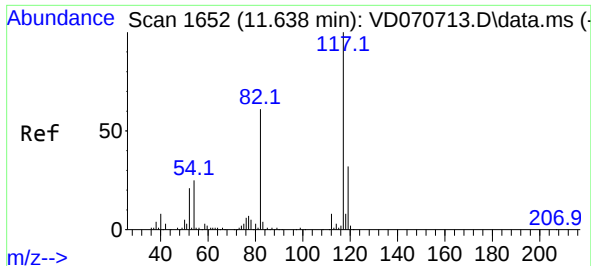
Tgt Ion: 98 Resp: 1054945  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 48.355 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070808.D  
Acq: 21 Oct 2021 18:44

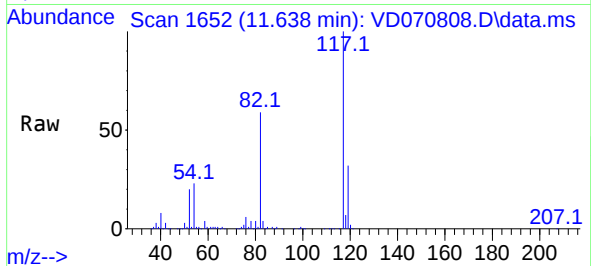
Tgt Ion: 95 Resp: 329785  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 138.0  
176 72.0 0.0 135.6



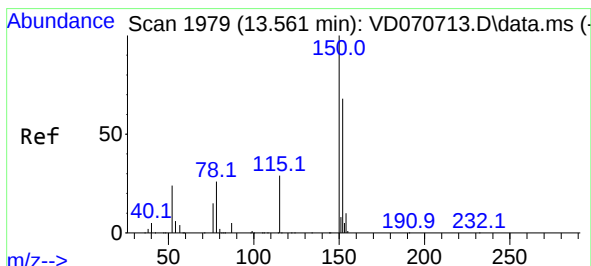
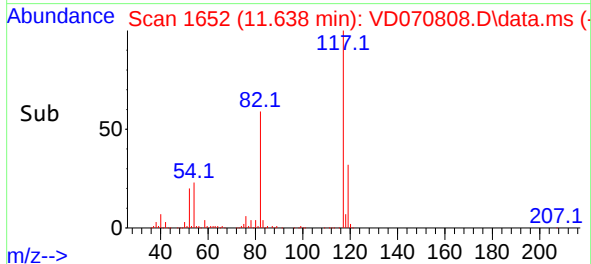
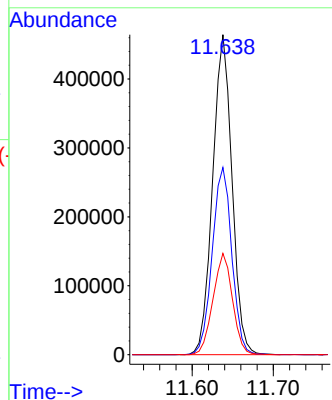


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070808.D  
Acq: 21 Oct 2021 18:44

Instrument :  
MSVOA\_D  
ClientSampled :  
WC-2-GD



Tgt Ion:117 Resp: 768425  
Ion Ratio Lower Upper  
117 100  
82 58.5 45.4 68.2  
119 31.7 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD070808.D  
Acq: 21 Oct 2021 18:44

Tgt Ion:152 Resp: 321371  
Ion Ratio Lower Upper  
152 100  
115 60.8 31.9 95.7  
150 156.6 0.0 350.0

