

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081721\  
 Data File : VD070108.D  
 Acq On : 18 Aug 2021 02:38  
 Operator : VA/SY  
 Sample : M3390-14  
 Misc : 4.59G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 2021-08-11-FD-02

Quant Time: Aug 18 04:34:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 557819   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 1104082  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 1046305  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 427079   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 361524   | 55.103   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 110.200% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 367045   | 51.457   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.920% |
| 50) Toluene-d8              | 10.338 | 98    | 1410028  | 50.823   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 101.640% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 437066   | 47.829   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.660%  |

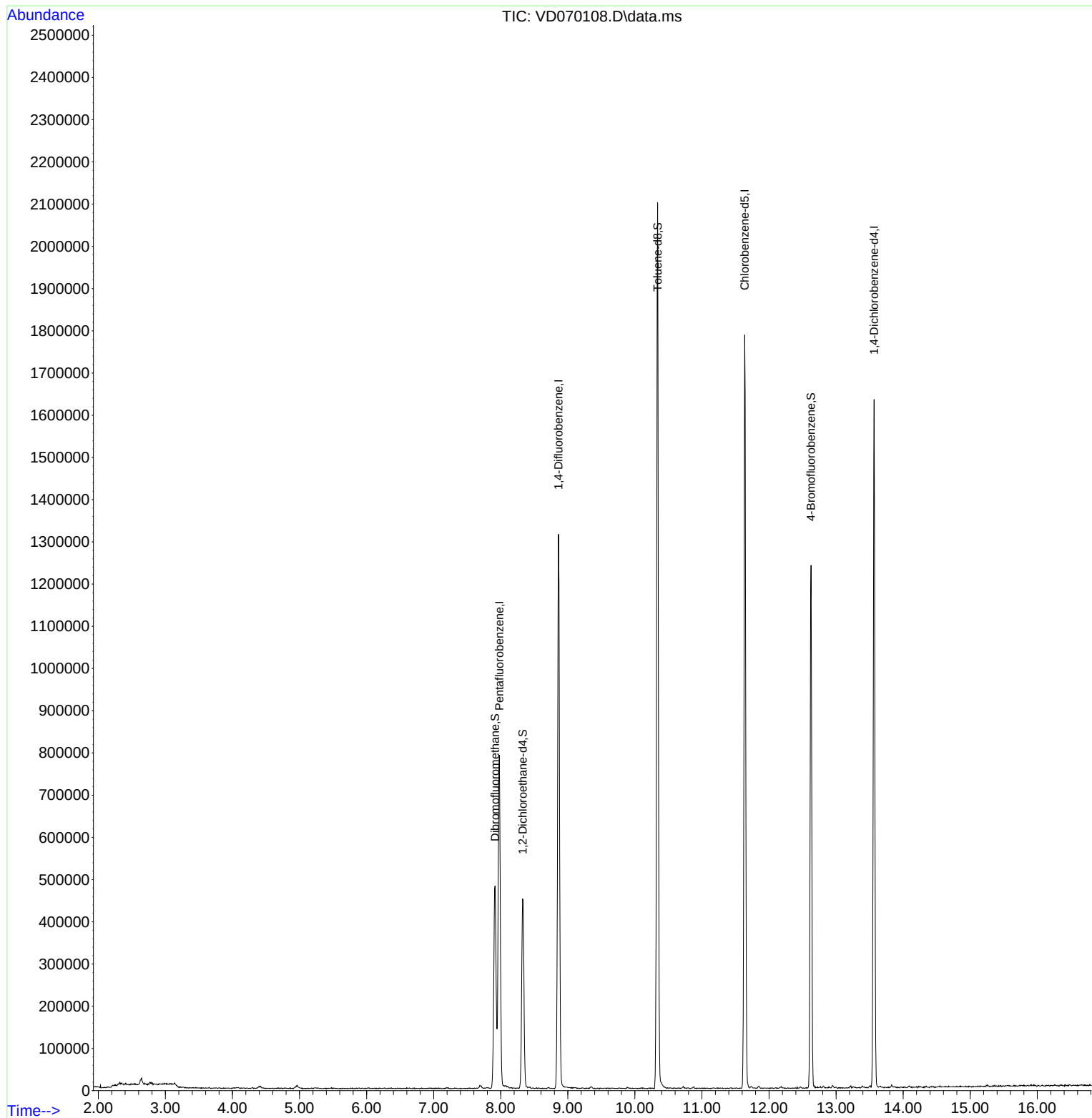
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

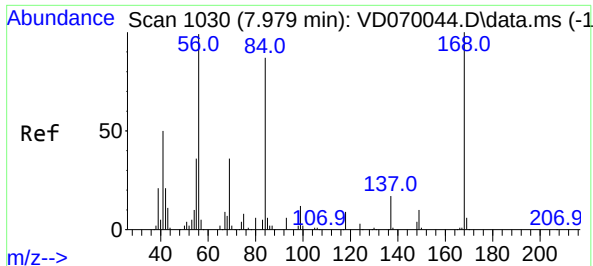
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration

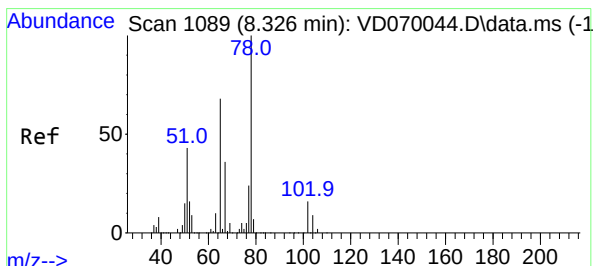
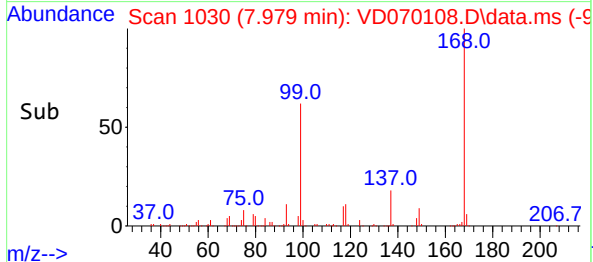
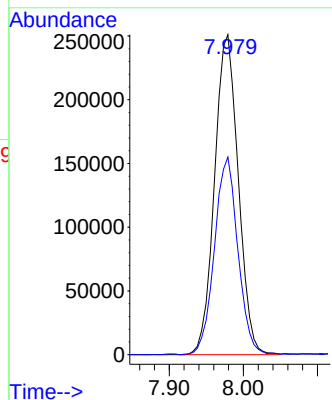
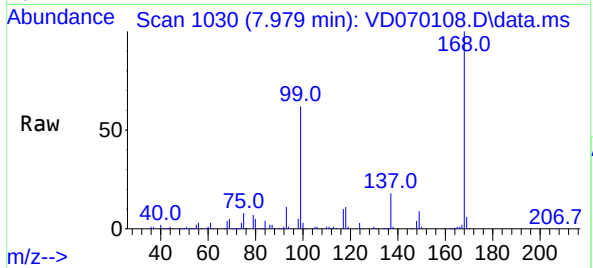




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070108.D  
Acq: 18 Aug 2021 02:38

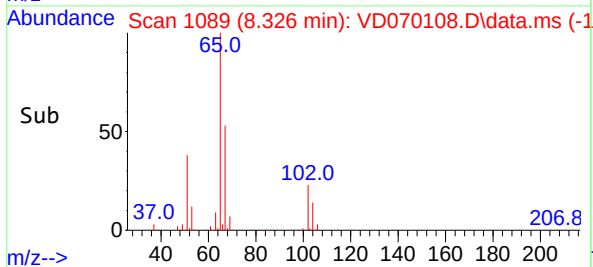
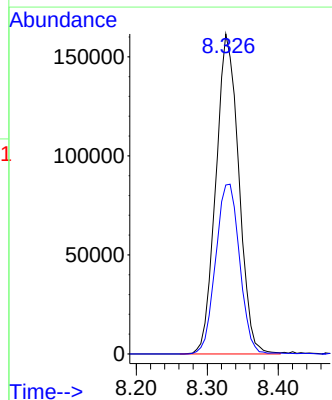
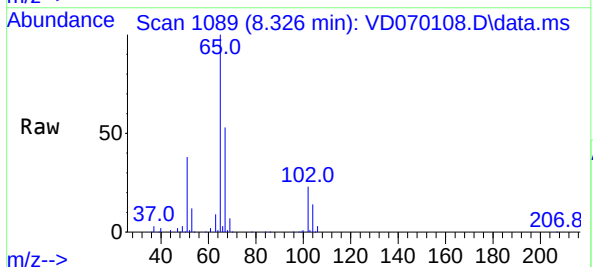
Instrument :  
MSVOA\_D  
ClientSampleId :  
2021-08-11-FD-02

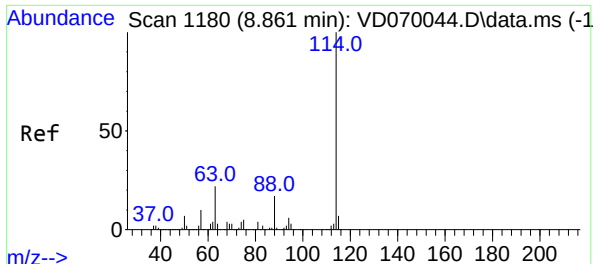
Tgt Ion:168 Resp: 557819  
Ion Ratio Lower Upper  
168 100  
99 61.8 50.3 75.5



#33  
1,2-Dichloroethane-d4  
Concen: 55.103 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070108.D  
Acq: 18 Aug 2021 02:38

Tgt Ion: 65 Resp: 361524  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 107.8

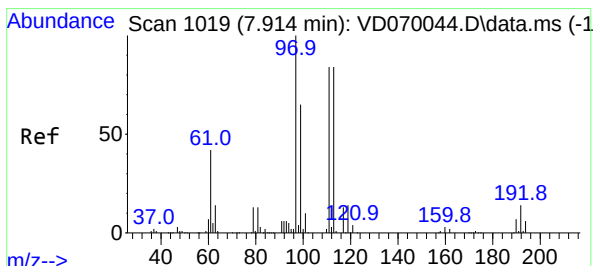
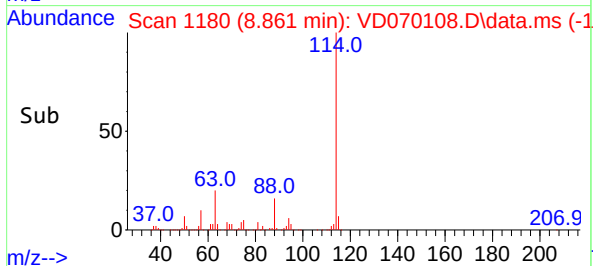
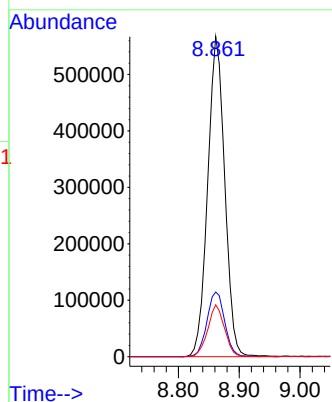
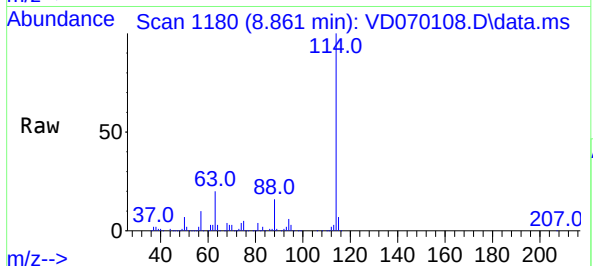




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070108.D  
Acq: 18 Aug 2021 02:38

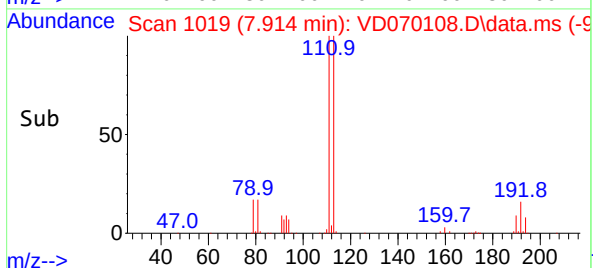
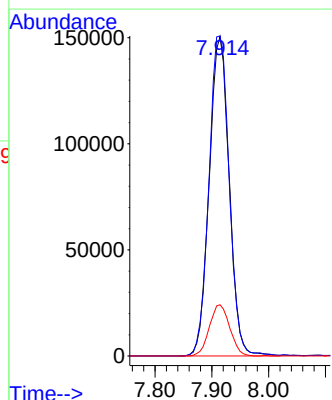
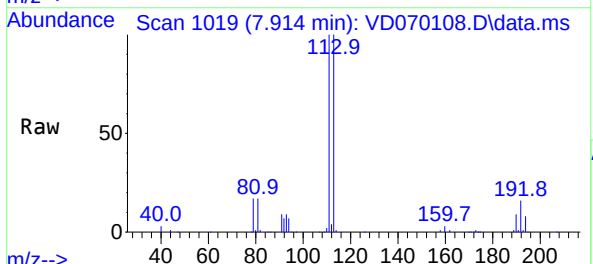
Instrument :  
MSVOA\_D  
ClientSampleId :  
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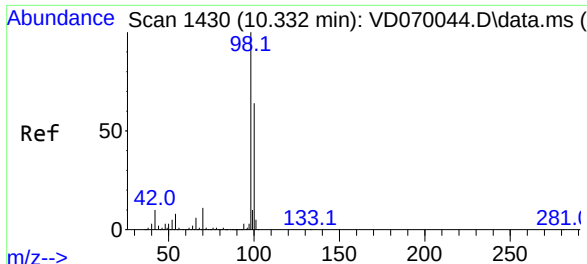
Tgt Ion:114 Resp: 1104082  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 43.6  
88 16.2 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 51.457 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD070108.D  
Acq: 18 Aug 2021 02:38

Tgt Ion:113 Resp: 367045  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.8 122.6  
192 16.3 13.2 19.8

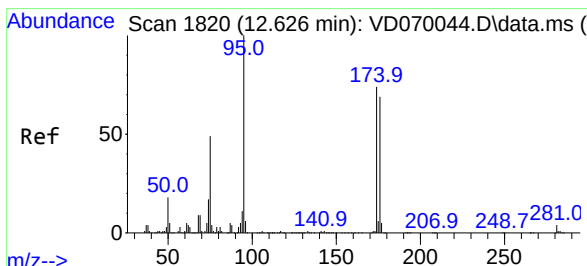
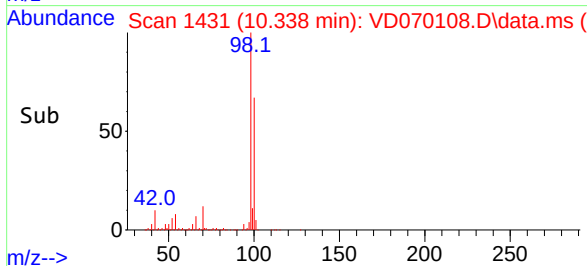
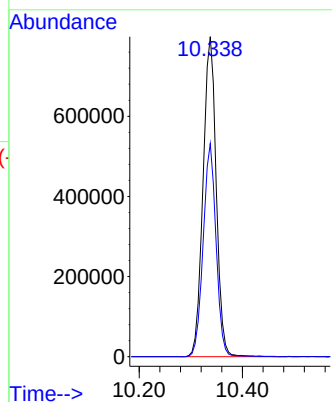
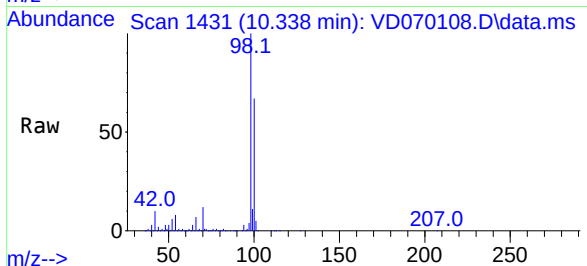




#50  
Toluene-d8  
Concen: 50.823 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070108.D  
Acq: 18 Aug 2021 02:38

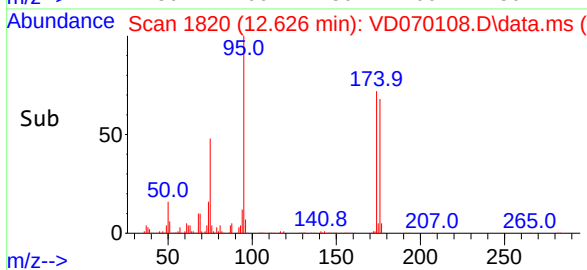
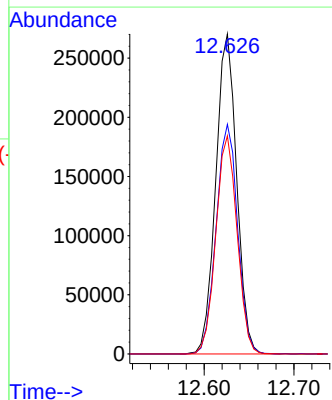
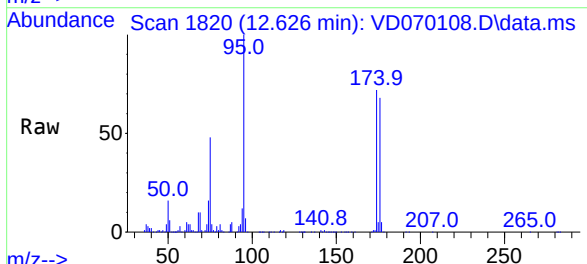
Instrument :  
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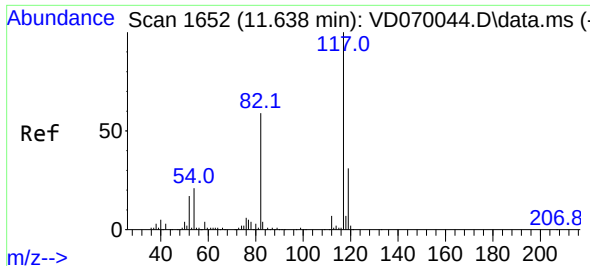
Tgt Ion: 98 Resp: 1410028  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 47.829 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070108.D  
Acq: 18 Aug 2021 02:38

Tgt Ion: 95 Resp: 437066  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 141.6  
176 69.3 0.0 138.2

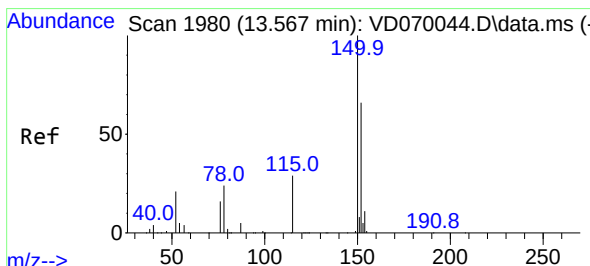
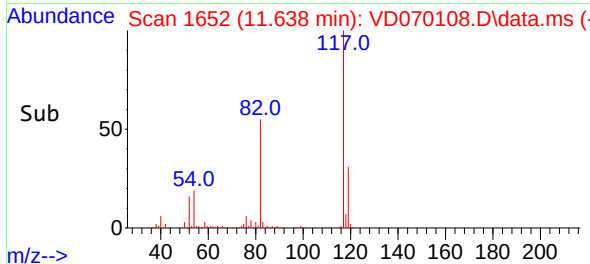
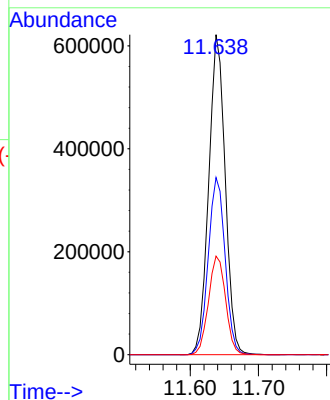
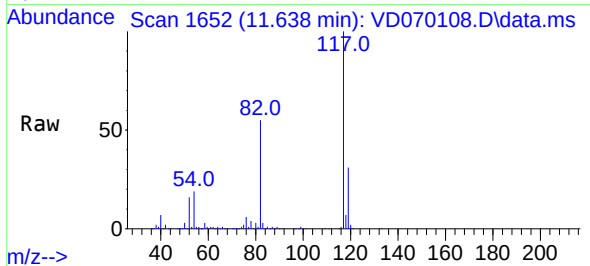




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070108.D  
Acq: 18 Aug 2021 02:38

Instrument :  
MSVOA\_D  
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2021-08-11-FD-02

Tgt Ion:117 Resp: 1046305  
Ion Ratio Lower Upper  
117 100  
82 55.4 47.5 71.3  
119 30.8 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD070108.D  
Acq: 18 Aug 2021 02:38

Tgt Ion:152 Resp: 427079  
Ion Ratio Lower Upper  
152 100  
115 61.4 31.2 93.6  
150 157.6 0.0 352.0

