

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111921\  
 Data File : VD071050.D  
 Acq On : 19 Nov 2021 11:53  
 Operator : VA/SY  
 Sample : VD1119SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1119SBL01

Quant Time: Nov 22 02:52:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110921S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 10 03:55:51 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 255579   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 450658   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 437854   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 202745   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 144114   | 52.960   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.920% |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 139367   | 54.805   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.600% |          |
| 50) Toluene-d8              | 10.338 | 98    | 563470   | 56.580   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 113.160% |          |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 210537   | 58.714   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 117.420% |          |

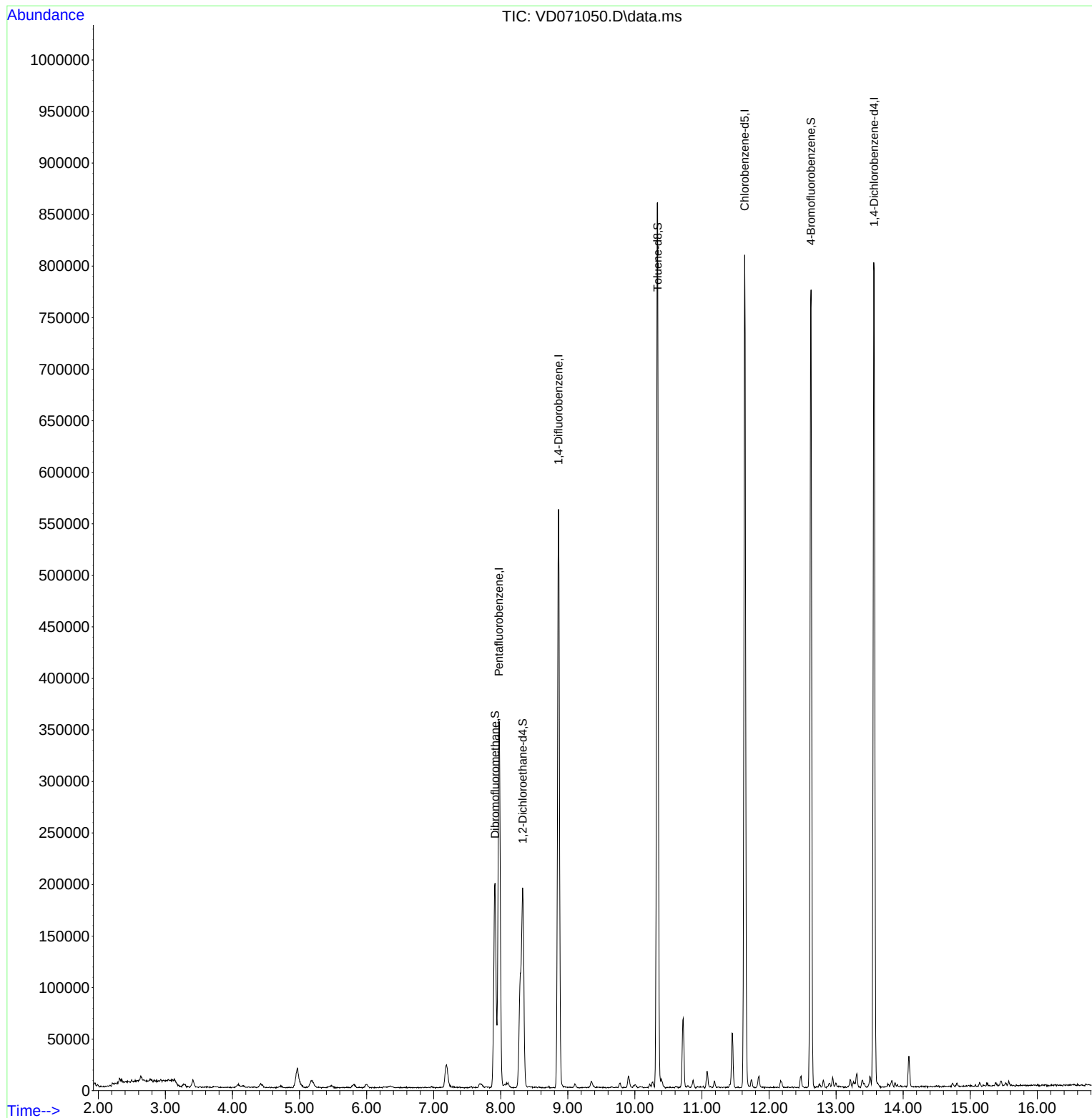
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

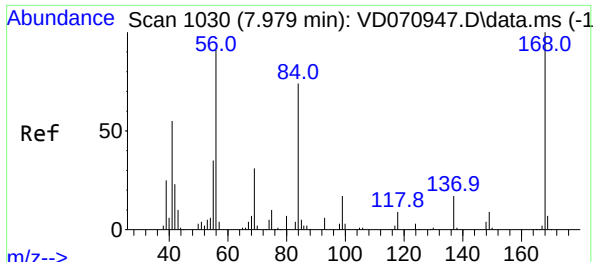
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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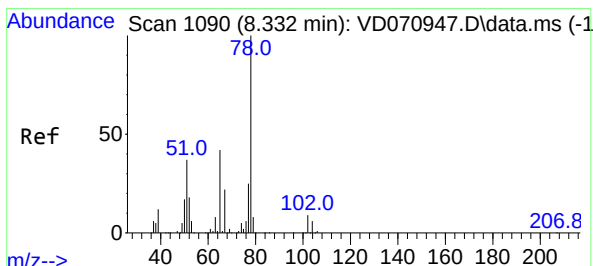
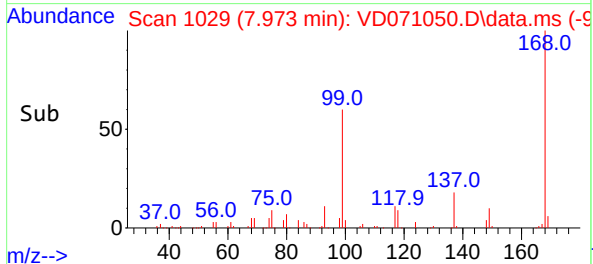
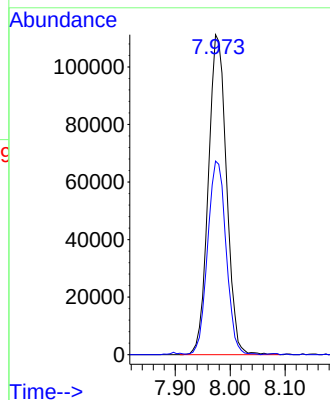
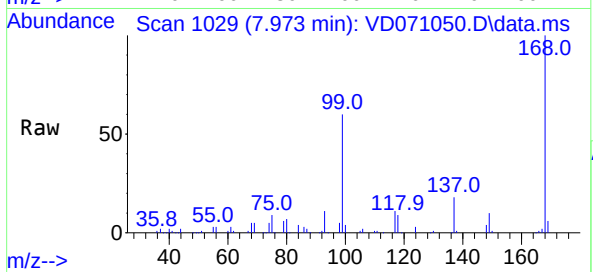




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD071050.D  
Acq: 19 Nov 2021 11:53

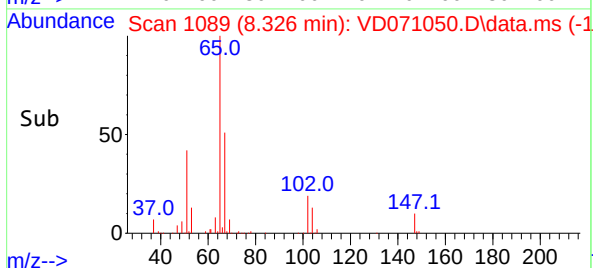
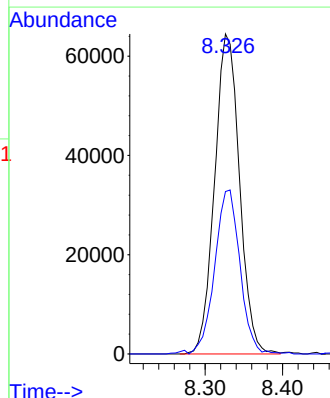
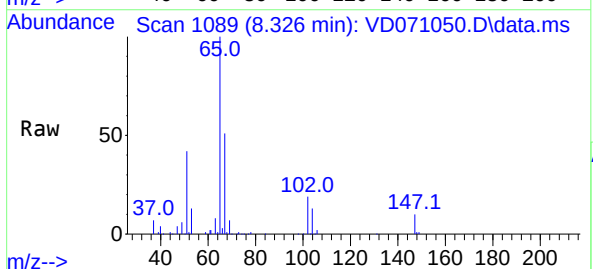
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1119SBL01

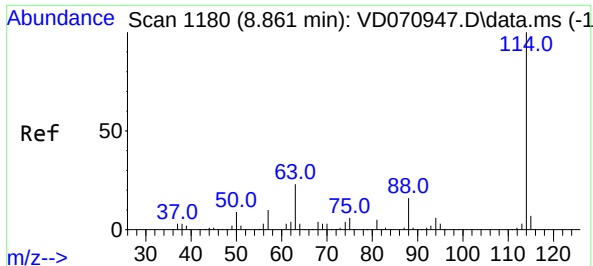
Tgt Ion:168 Resp: 255579  
Ion Ratio Lower Upper  
168 100  
99 60.5 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 52.960 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD071050.D  
Acq: 19 Nov 2021 11:53

Tgt Ion: 65 Resp: 144114  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071050.D

Acq: 19 Nov 2021 11:53

Instrument :

MSVOA\_D

ClientSampleId :

VD1119SBL01

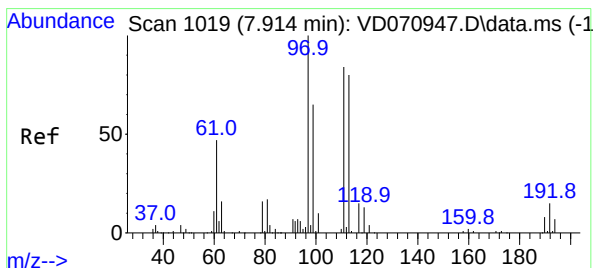
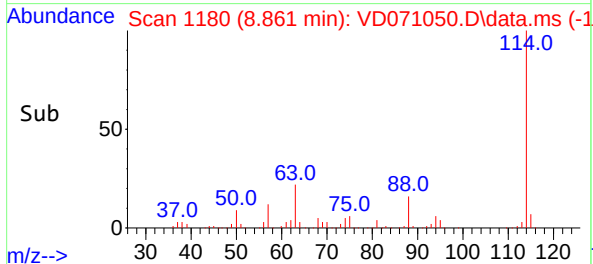
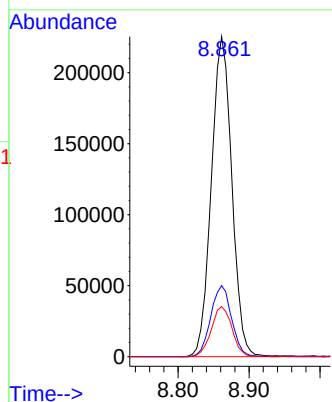
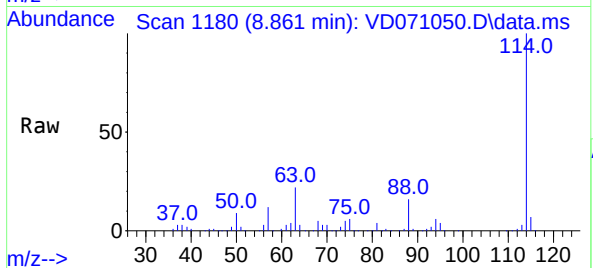
Tgt Ion:114 Resp: 450658

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 15.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 54.805 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071050.D

Acq: 19 Nov 2021 11:53

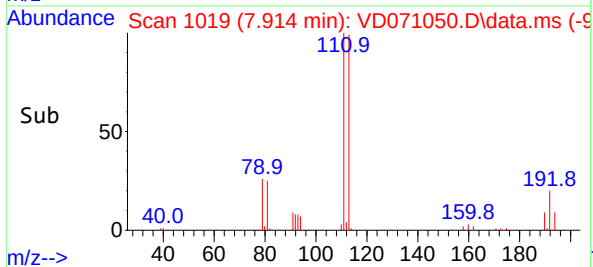
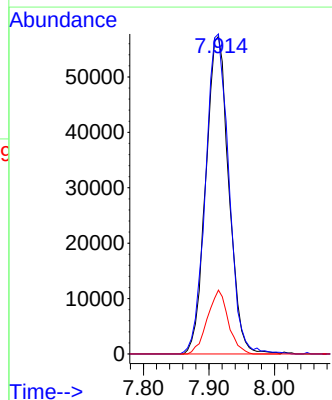
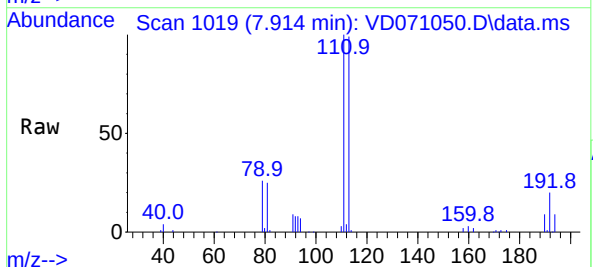
Tgt Ion:113 Resp: 139367

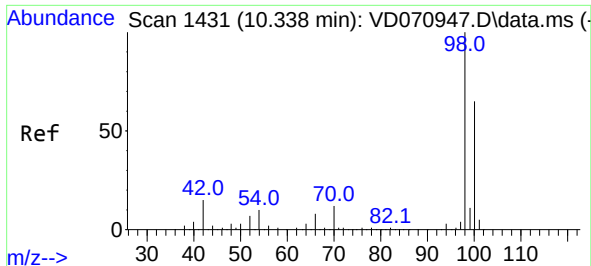
Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 18.3 15.2 22.8

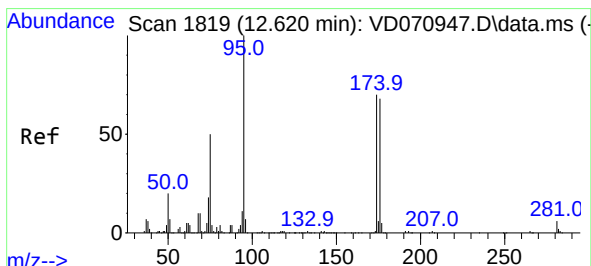
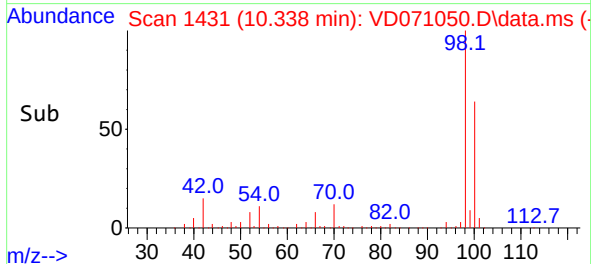
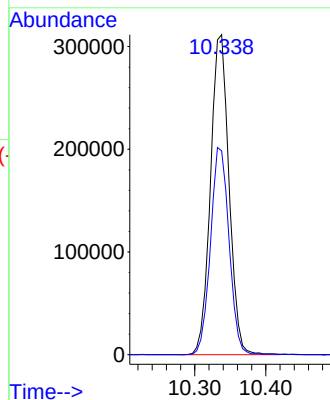
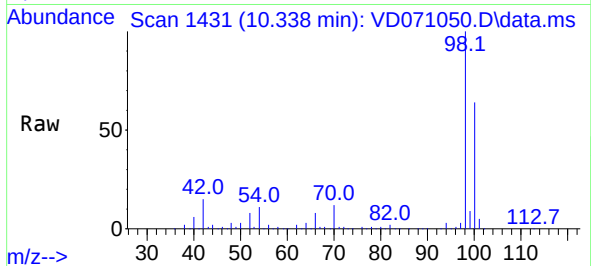




#50  
Toluene-d8  
Concen: 56.580 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071050.D  
Acq: 19 Nov 2021 11:53

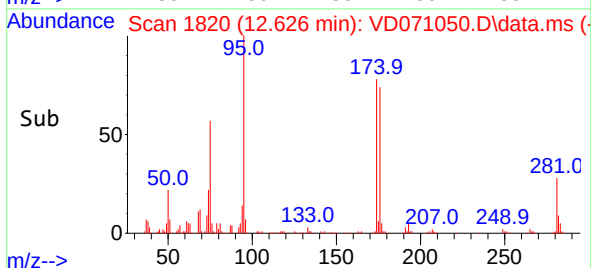
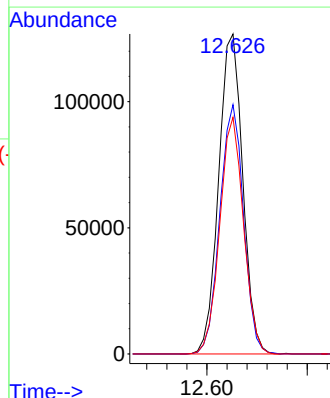
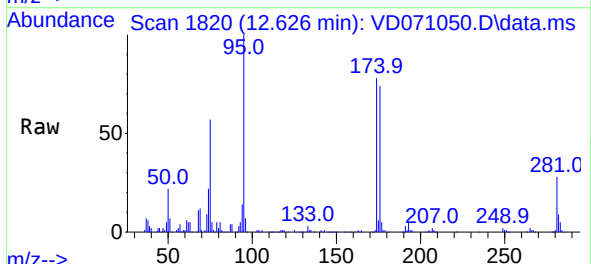
Instrument :  
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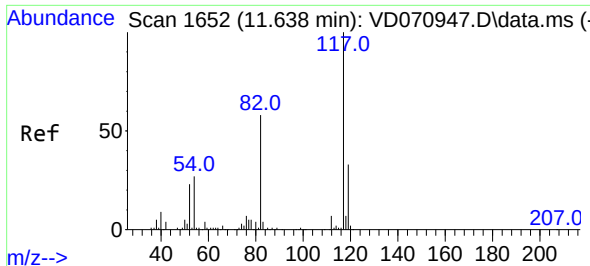
Tgt Ion: 98 Resp: 563470  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 58.714 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD071050.D  
Acq: 19 Nov 2021 11:53

Tgt Ion: 95 Resp: 210537  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 159.4  
176 73.0 0.0 154.0

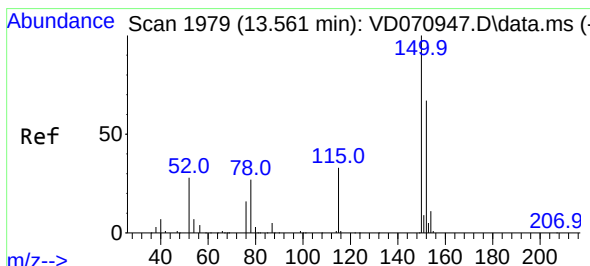
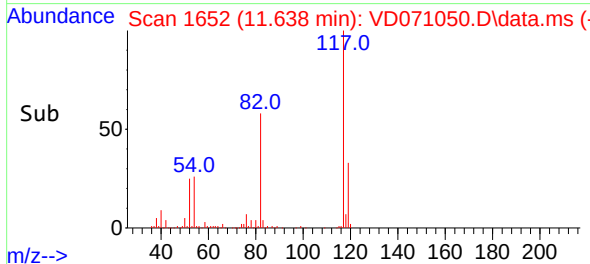
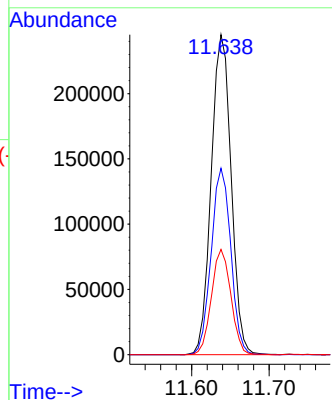
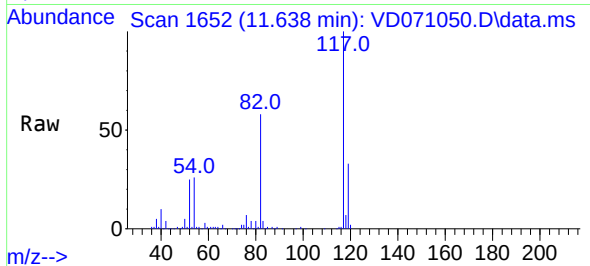




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD071050.D  
Acq: 19 Nov 2021 11:53

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1119SBL01

Tgt Ion:117 Resp: 437854  
Ion Ratio Lower Upper  
117 100  
82 58.2 44.7 67.1  
119 32.9 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD071050.D  
Acq: 19 Nov 2021 11:53

Tgt Ion:152 Resp: 202745  
Ion Ratio Lower Upper  
152 100  
115 60.8 29.8 89.3  
150 157.9 0.0 349.2

