

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081321\  
 Data File : VD070053.D  
 Acq On : 13 Aug 2021 16:47  
 Operator : VA/SY  
 Sample : M3368-10  
 Misc : 5.54G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SWCS-07-0510

Quant Time: Aug 14 02:51:19 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      | 7.973  | 168  | 289396   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 633663   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 522847   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 144342   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 270954   | 79.605   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 159.200% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 259372   | 63.356   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 126.720% |
| 50) Toluene-d8              | 10.338 | 98    | 755050   | 47.419   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 94.840%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 178433   | 34.022   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 68.040%  |

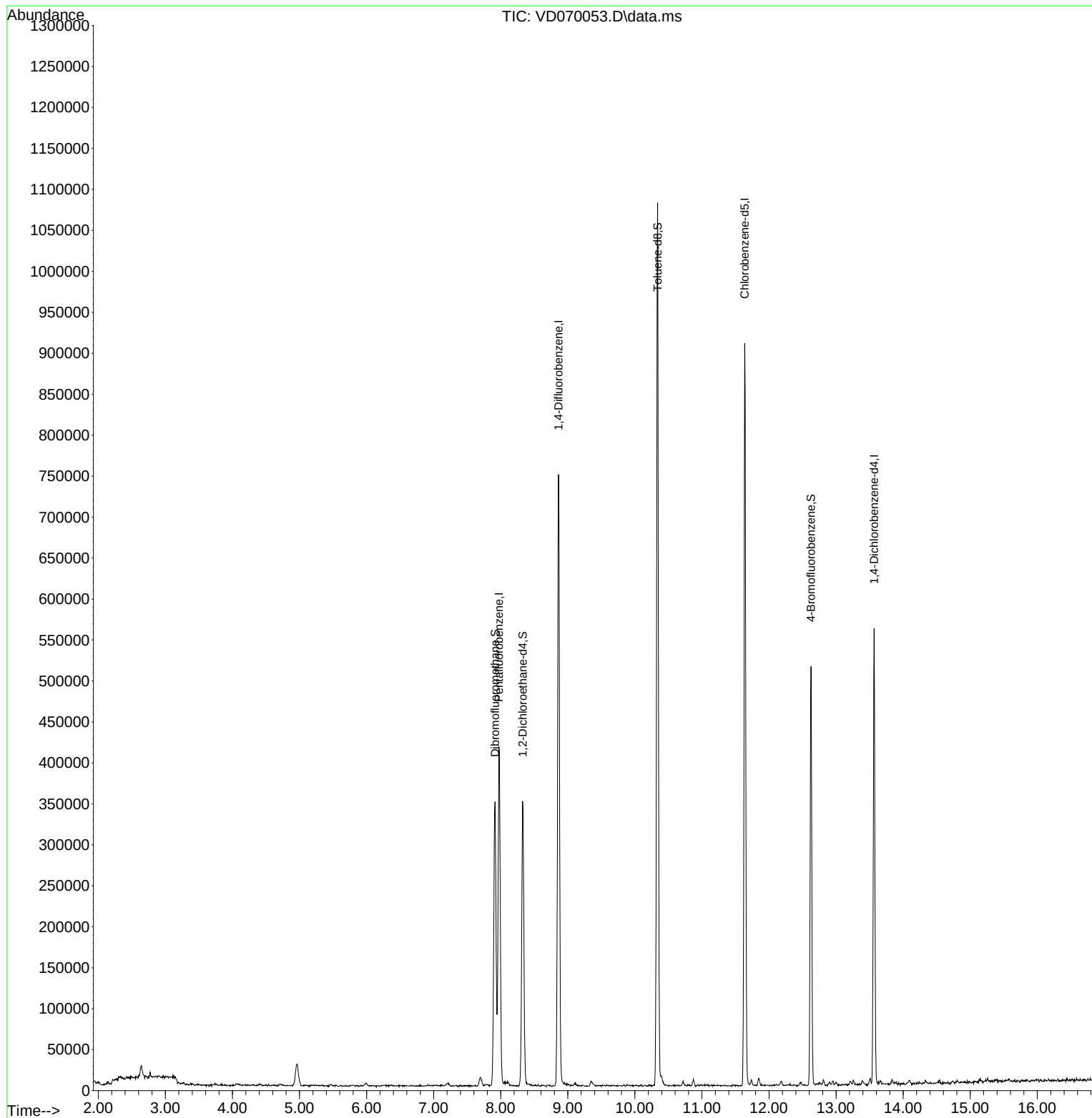
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

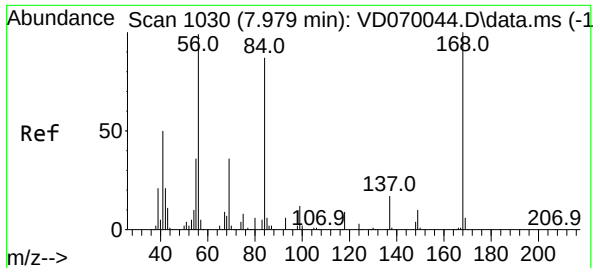
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration

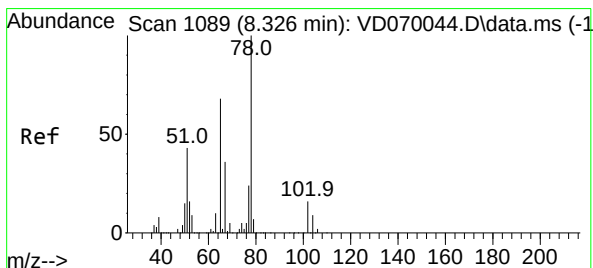
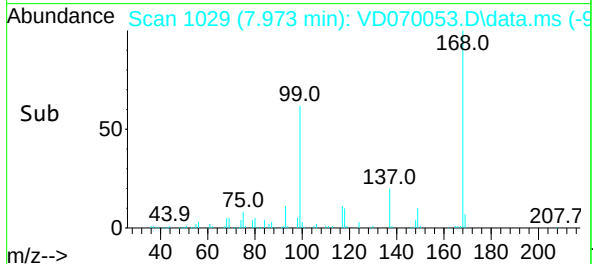
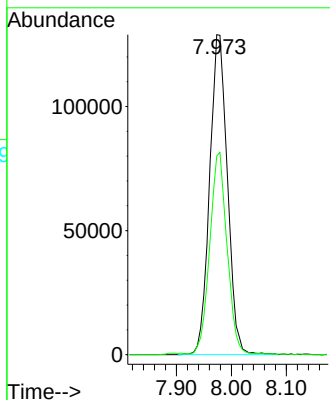
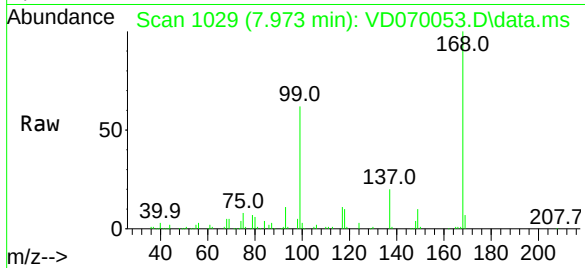




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD070053.D  
Acq: 13 Aug 2021 16:47

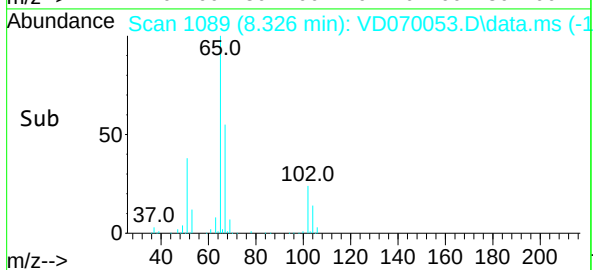
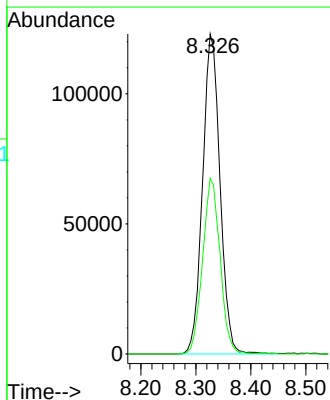
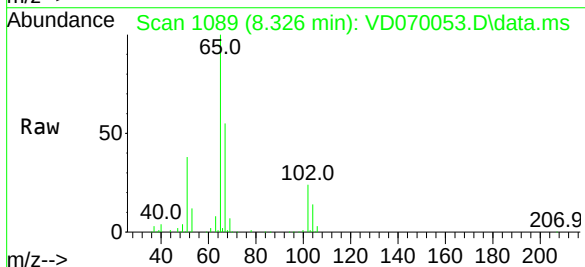
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-07-0510

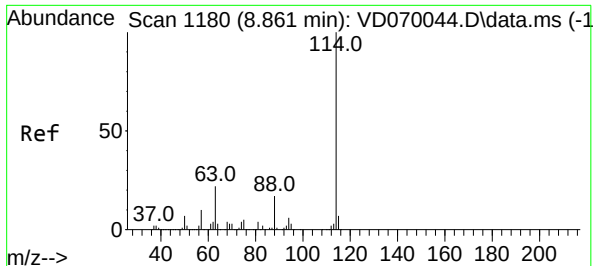
Tgt Ion:168 Resp: 289396  
Ion Ratio Lower Upper  
168 100  
99 61.9 50.3 75.5



#33  
1,2-Dichloroethane-d4  
Concen: 79.605 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070053.D  
Acq: 13 Aug 2021 16:47

Tgt Ion: 65 Resp: 270954  
Ion Ratio Lower Upper  
65 100  
67 55.0 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: VD070053.D

Acq: 13 Aug 2021 16:47

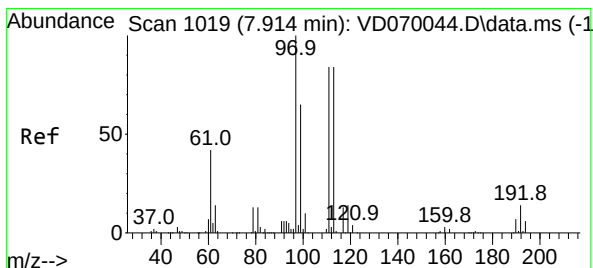
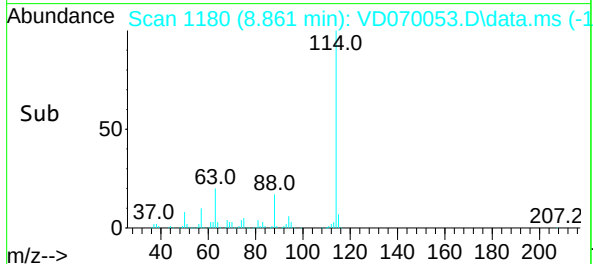
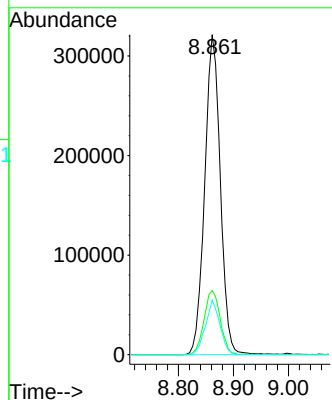
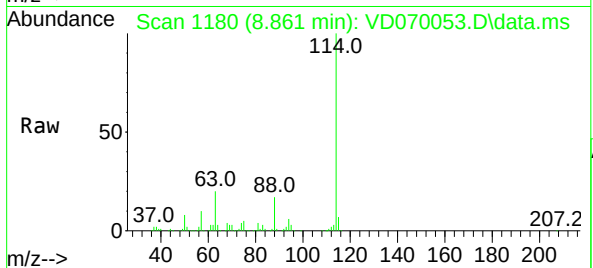
Tgt Ion:114 Resp: 633663

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.6

88 17.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 63.356 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070053.D

Acq: 13 Aug 2021 16:47

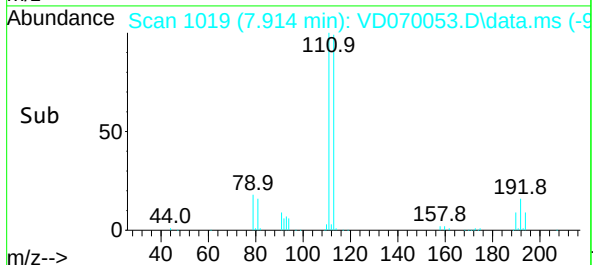
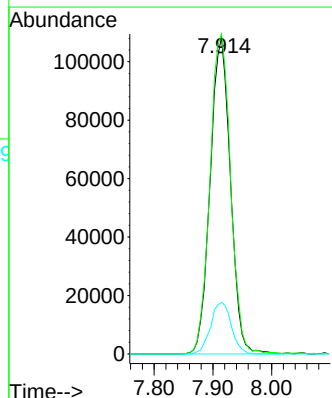
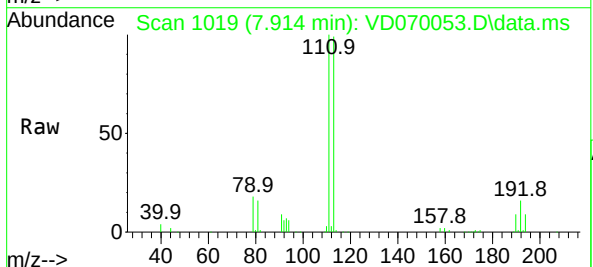
Tgt Ion:113 Resp: 259372

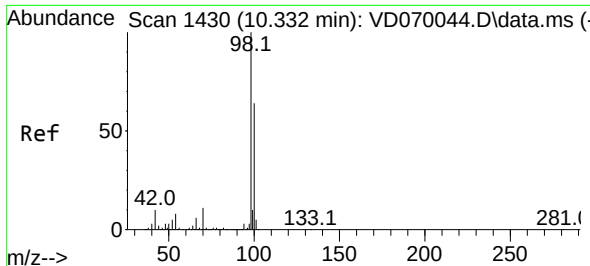
Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.6

192 16.7 13.2 19.8

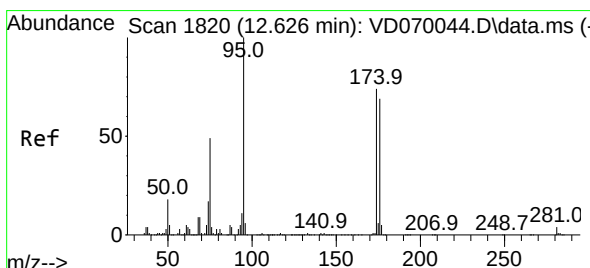
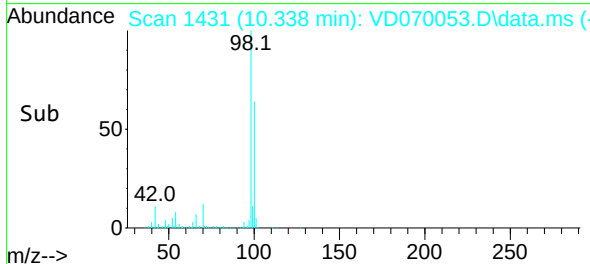
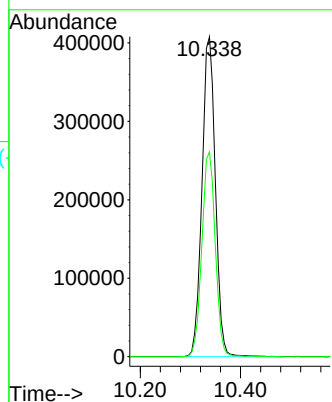
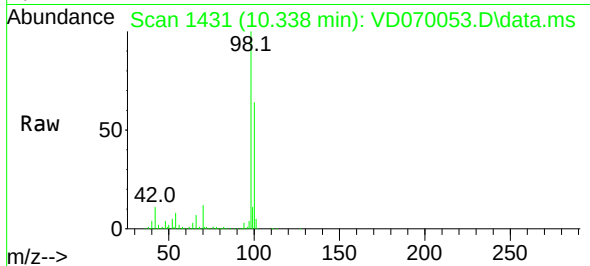




#50  
Toluene-d8  
Concen: 47.419 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070053.D  
Acq: 13 Aug 2021 16:47

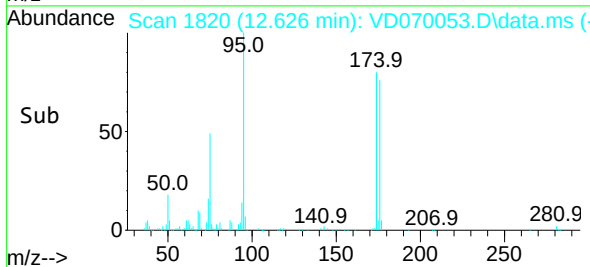
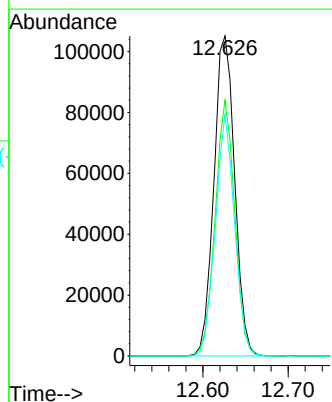
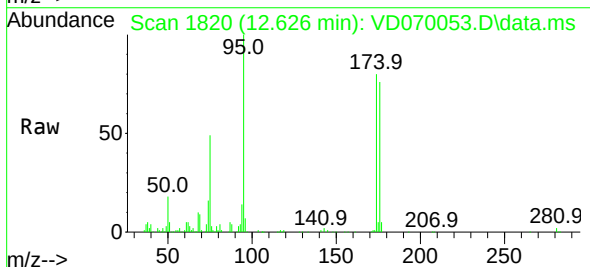
Instrument :  
MSVOA\_D  
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SWCS-07-0510

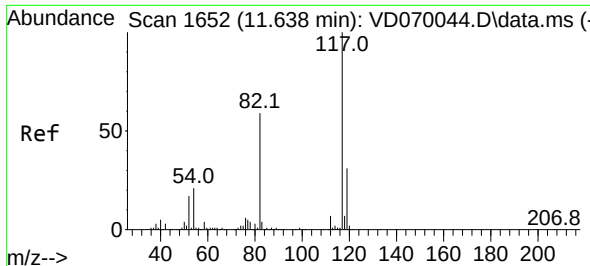
Tgt Ion: 98 Resp: 755050  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 34.022 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070053.D  
Acq: 13 Aug 2021 16:47

Tgt Ion: 95 Resp: 178433  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 141.6  
176 70.1 0.0 138.2

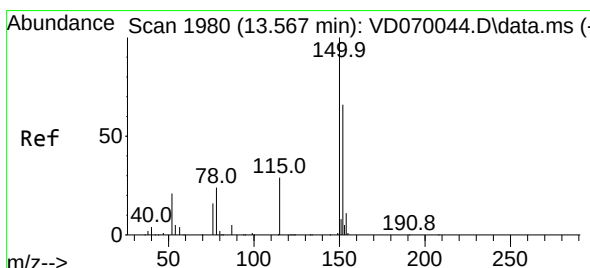
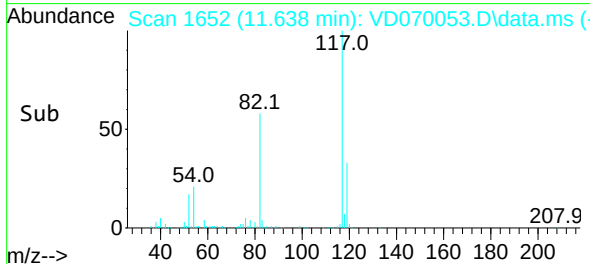
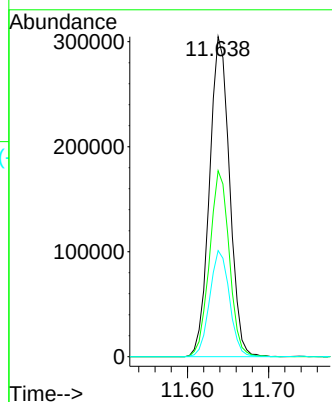
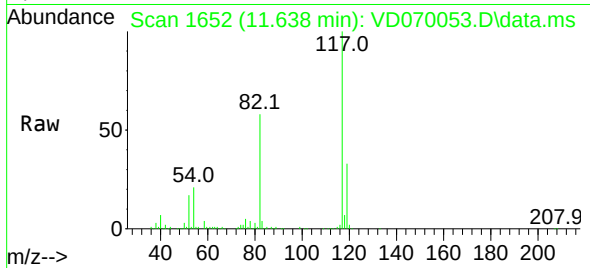




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070053.D  
Acq: 13 Aug 2021 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-07-0510

Tgt Ion:117 Resp: 522847  
Ion Ratio Lower Upper  
117 100  
82 58.1 47.5 71.3  
119 33.1 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: VD070053.D  
Acq: 13 Aug 2021 16:47

Tgt Ion:152 Resp: 144342  
Ion Ratio Lower Upper  
152 100  
115 63.8 31.2 93.6  
150 157.7 0.0 352.0

