

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110321\  
 Data File : VD070917.D  
 Acq On : 03 Nov 2021 18:27  
 Operator : VA/SY  
 Sample : M4470-04  
 Misc : 5.83G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-2

Quant Time: Nov 03 22:15:20 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102621S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 27 05:34:47 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 336557   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 632129   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 617353   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 252802   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 167300   | 49.425   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.860%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 211252   | 50.685   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.380% |
| 50) Toluene-d8              | 10.338 | 98    | 836429   | 53.342   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 106.680% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 232441   | 44.927   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 89.860%  |

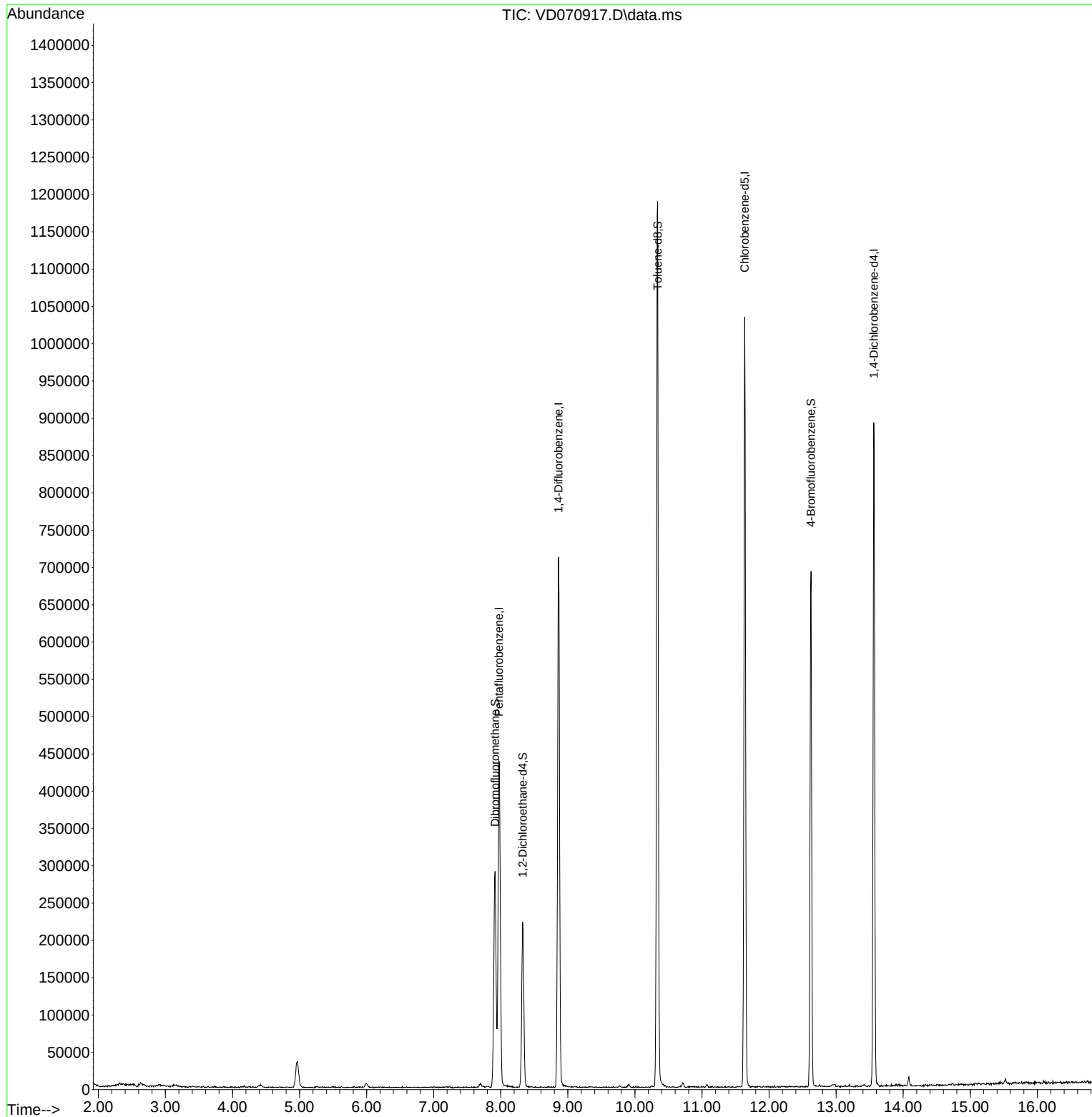
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

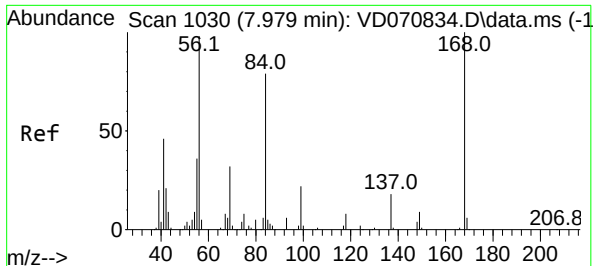
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Oct 27 05:34:47 2021  
Response via : Initial Calibration

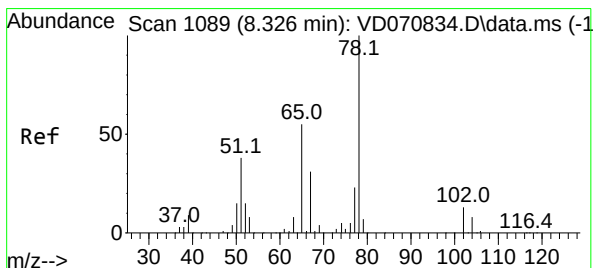
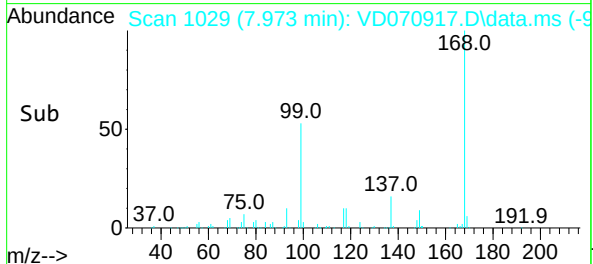
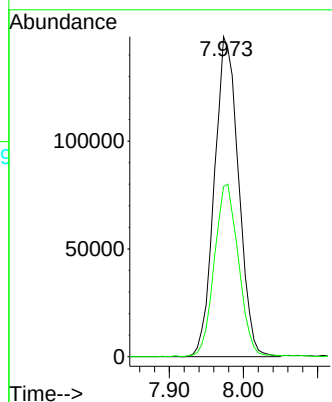
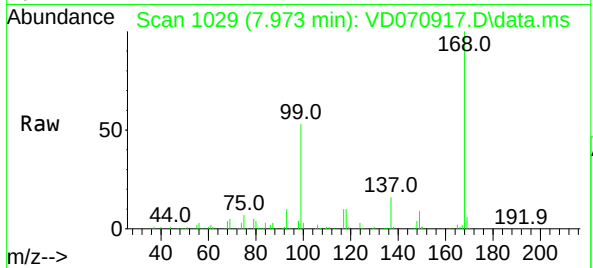




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD070917.D  
Acq: 03 Nov 2021 18:27

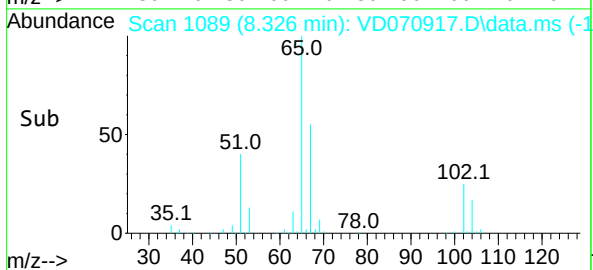
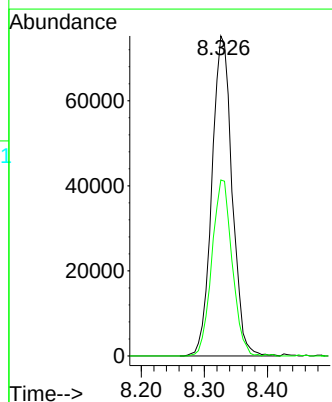
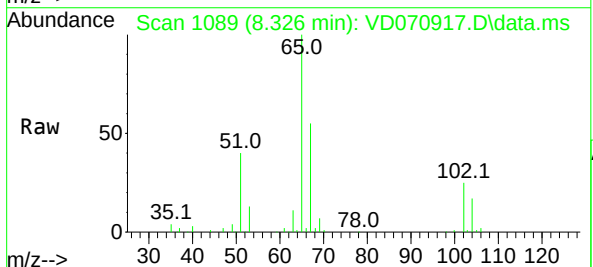
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-2

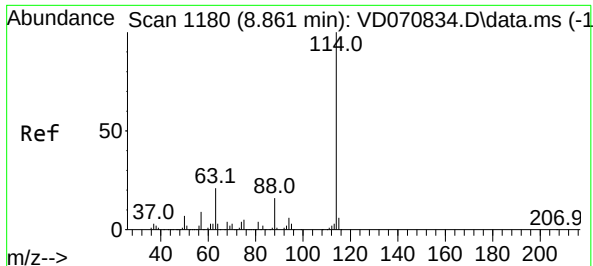
Tgt Ion:168 Resp: 336557  
Ion Ratio Lower Upper  
168 100  
99 53.1 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 49.425 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070917.D  
Acq: 03 Nov 2021 18:27

Tgt Ion: 65 Resp: 167300  
Ion Ratio Lower Upper  
65 100  
67 55.3 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: VD070917.D

Acq: 03 Nov 2021 18:27

Instrument :

MSVOA\_D

ClientSampleId :

SP-2

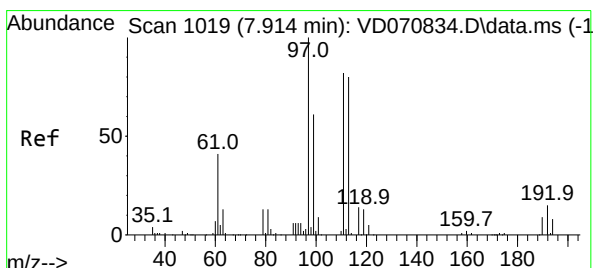
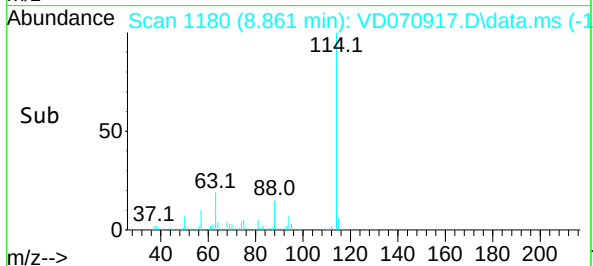
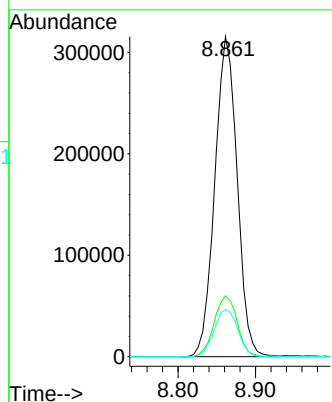
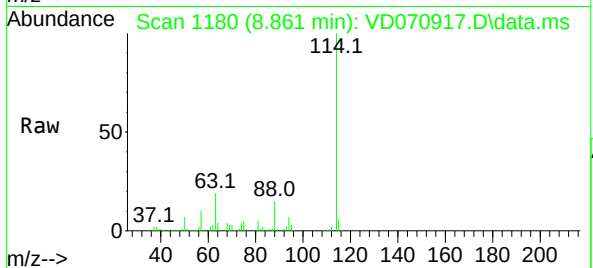
Tgt Ion:114 Resp: 632129

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.8

88 14.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.685 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070917.D

Acq: 03 Nov 2021 18:27

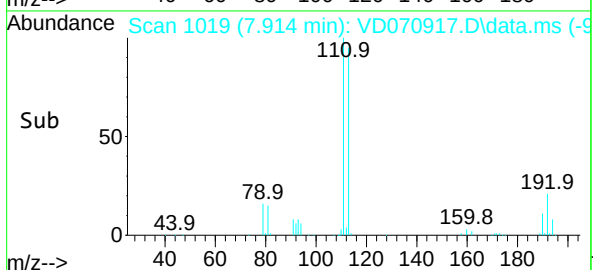
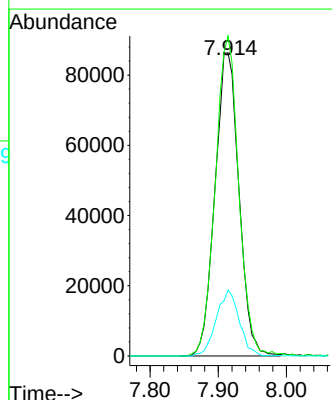
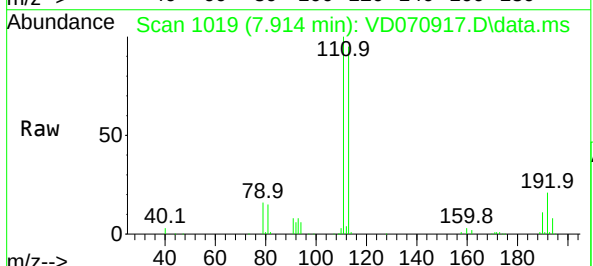
Tgt Ion:113 Resp: 211252

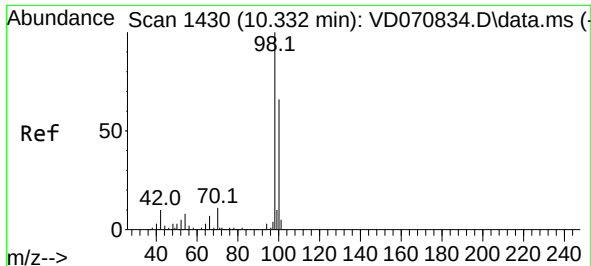
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 20.8 15.2 22.8

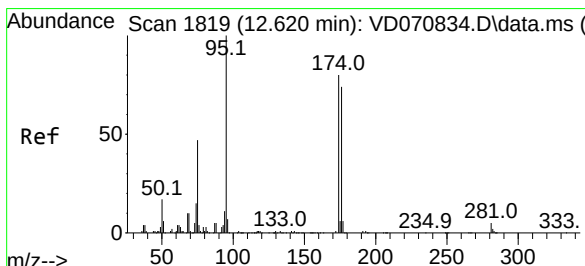
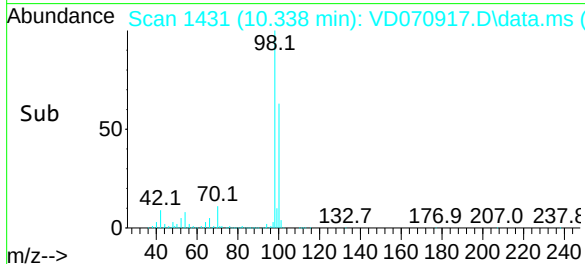
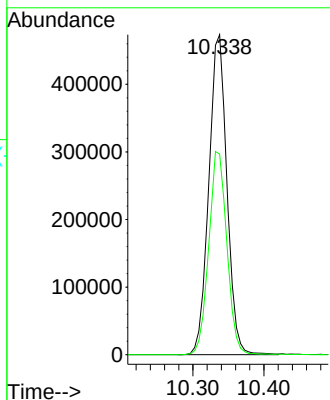
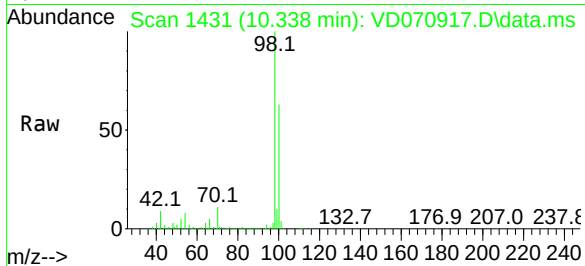




#50  
Toluene-d8  
Concen: 53.342 ug/l  
RT: 10.338 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: VD070917.D  
Acq: 03 Nov 2021 18:27

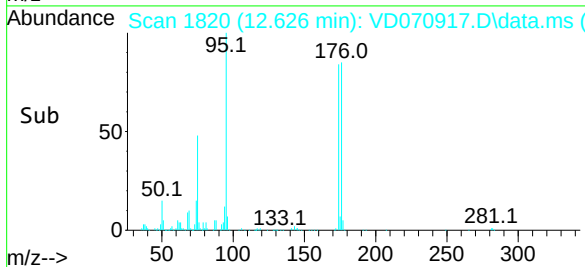
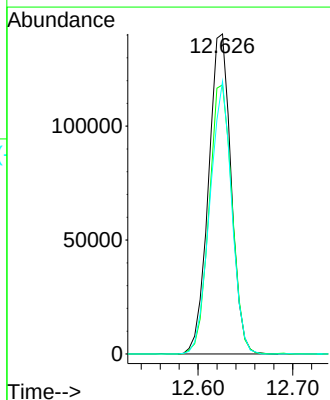
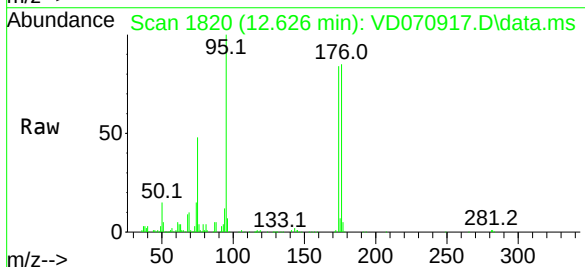
Instrument :  
MSVOA\_D  
ClientSampleId :  
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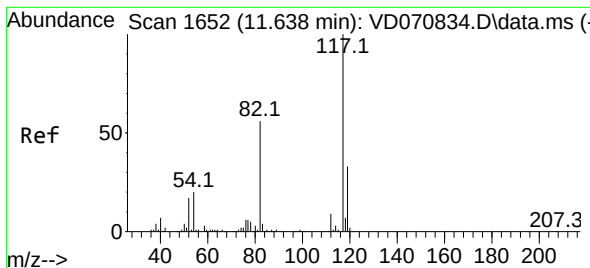
Tgt Ion: 98 Resp: 836429  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 44.927 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD070917.D  
Acq: 03 Nov 2021 18:27

Tgt Ion: 95 Resp: 232441  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 159.4  
176 82.3 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD070917.D

Acq: 03 Nov 2021 18:27

Instrument :

MSVOA\_D

ClientSampleId :

SP-2

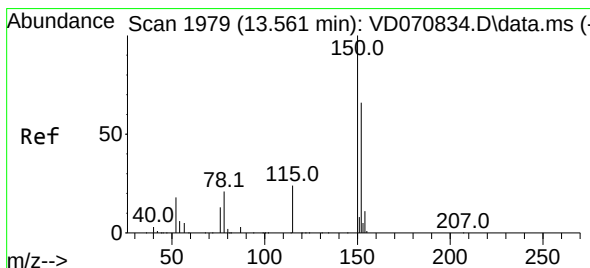
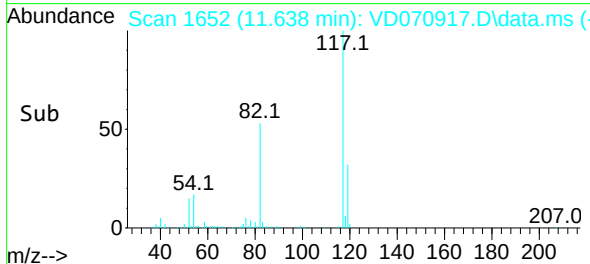
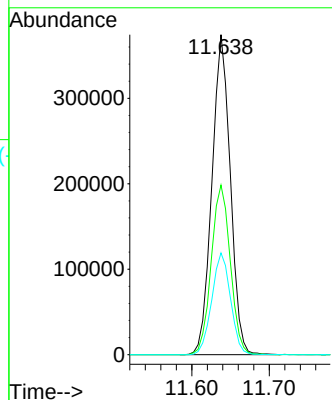
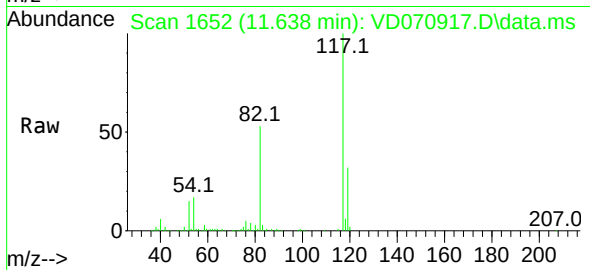
Tgt Ion:117 Resp: 617353

Ion Ratio Lower Upper

117 100

82 53.0 44.7 67.1

119 31.8 26.2 39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD070917.D

Acq: 03 Nov 2021 18:27

Tgt Ion:152 Resp: 252802

Ion Ratio Lower Upper

152 100

115 58.6 29.8 89.3

150 156.6 0.0 349.2

