

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031722\  
 Data File : VD072256.D  
 Acq On : 17 Mar 2022 20:49  
 Operator : VA/SY  
 Sample : N1943-04  
 Misc : 12.84G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TB1

Quant Time: Mar 18 04:33:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 381781   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 645654   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 668228   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 289924   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 209987   | 49.354   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.700% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 208303   | 45.846   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.700% |
| 50) Toluene-d8              | 10.332 | 98    | 801065   | 48.218   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.440% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 308591   | 47.805   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.600% |

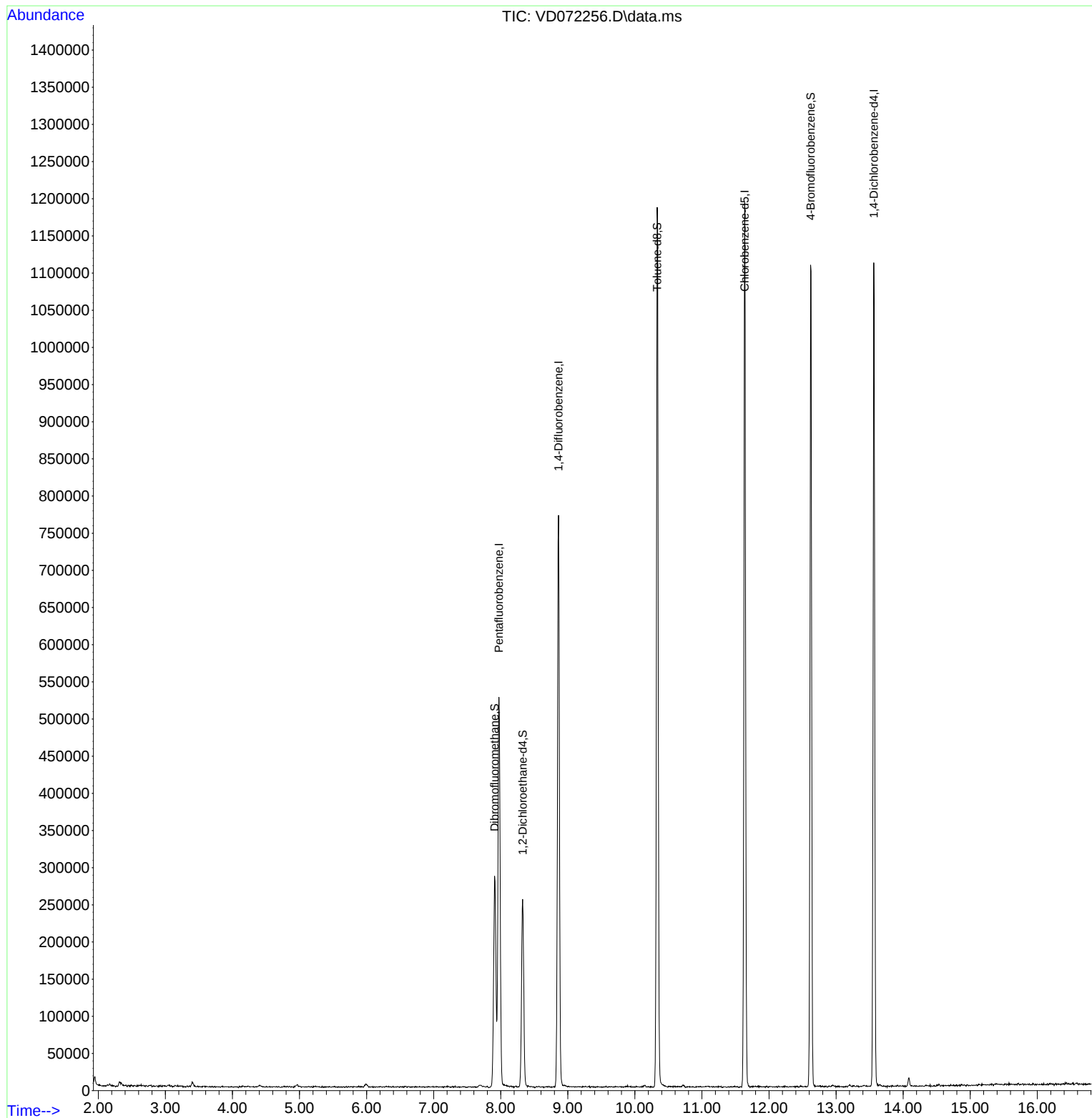
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

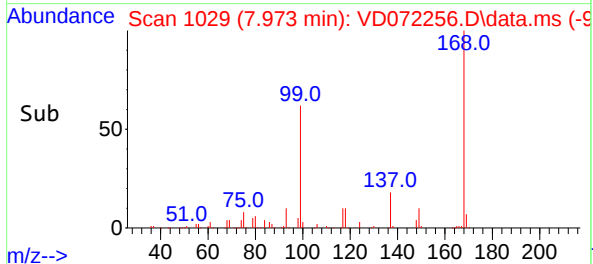
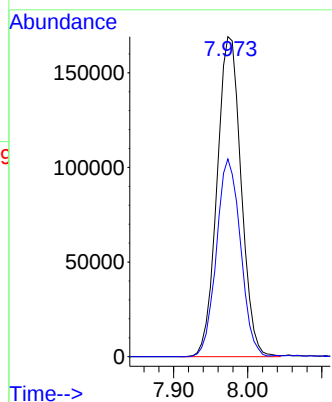
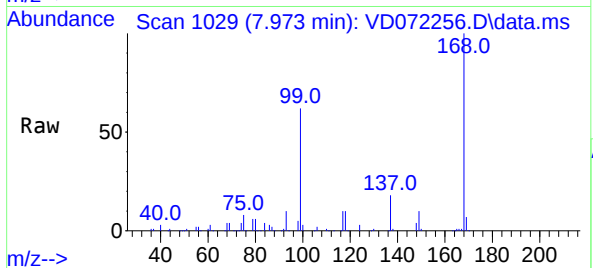




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD072256.D  
Acq: 17 Mar 2022 20:49

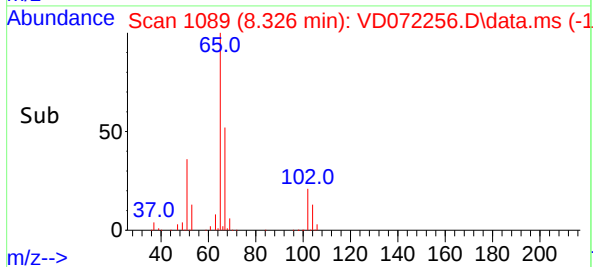
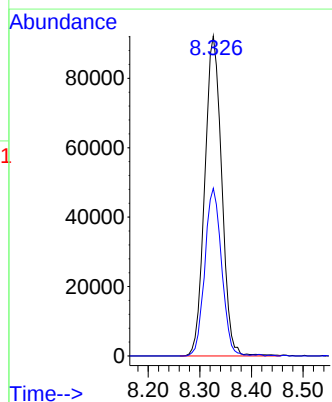
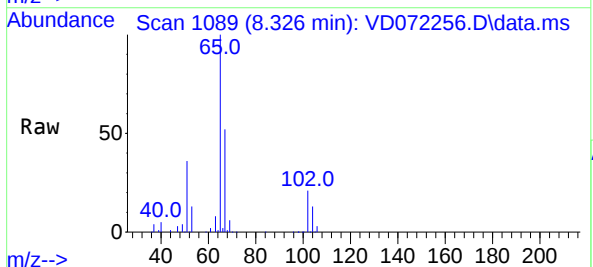
Instrument :  
MSVOA\_D  
ClientSampleId :  
TB1

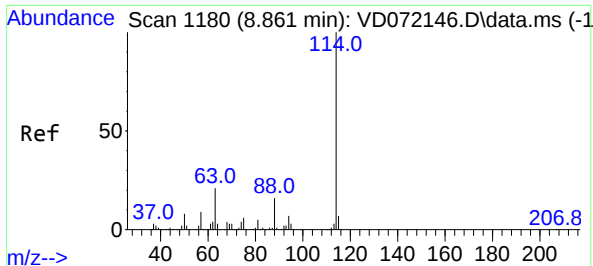
Tgt Ion:168 Resp: 381781  
Ion Ratio Lower Upper  
168 100  
99 61.8 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 49.354 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD072256.D  
Acq: 17 Mar 2022 20:49

Tgt Ion: 65 Resp: 209987  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072256.D

Acq: 17 Mar 2022 20:49

Instrument :

MSVOA\_D

ClientSampleId :

TB1

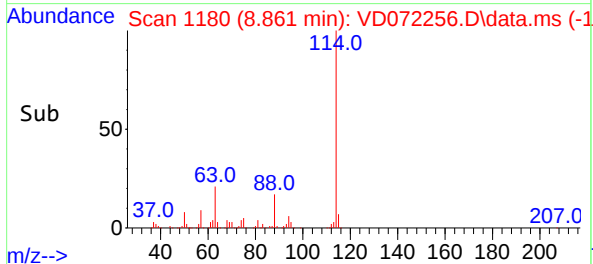
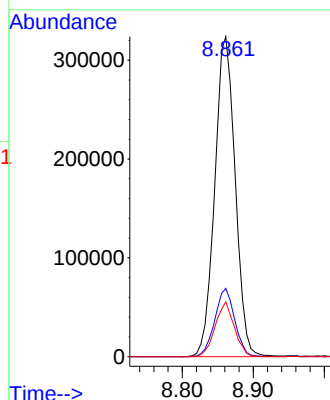
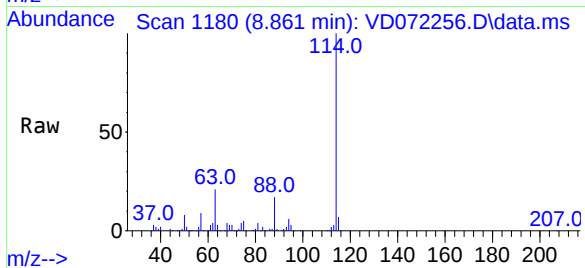
Tgt Ion:114 Resp: 645654

Ion Ratio Lower Upper

114 100

63 21.3 0.0 46.6

88 17.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 45.846 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072256.D

Acq: 17 Mar 2022 20:49

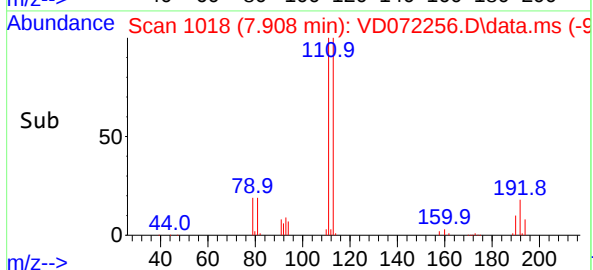
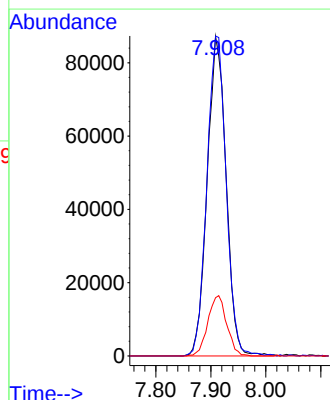
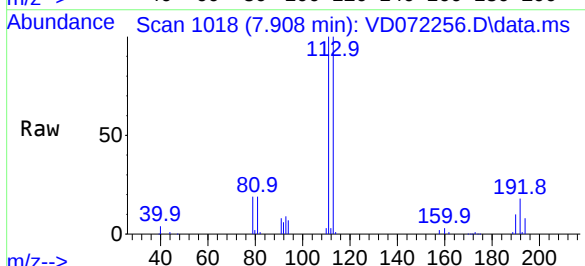
Tgt Ion:113 Resp: 208303

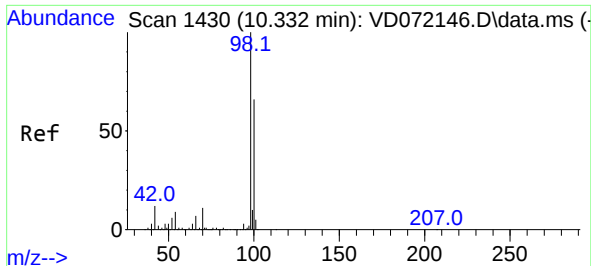
Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 18.9 14.6 21.8

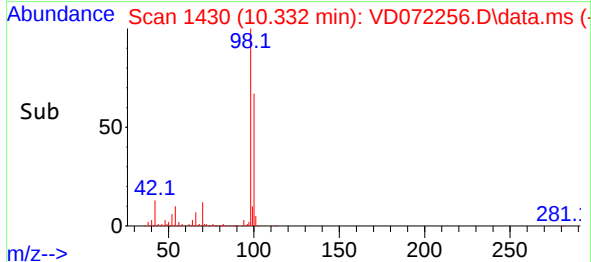
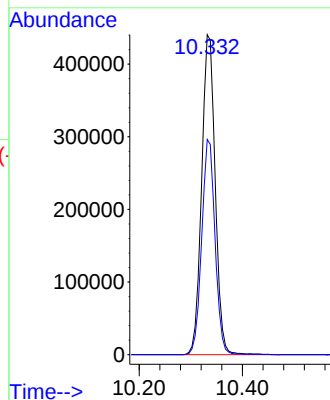
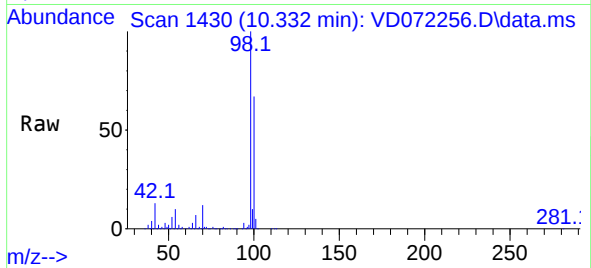




#50  
Toluene-d8  
Concen: 48.218 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD072256.D  
Acq: 17 Mar 2022 20:49

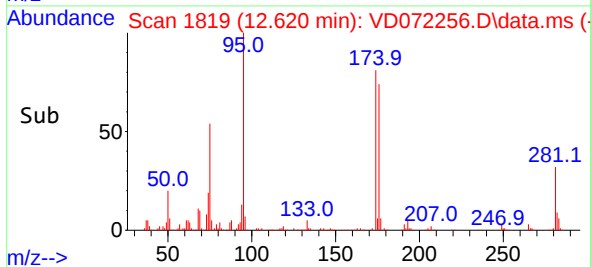
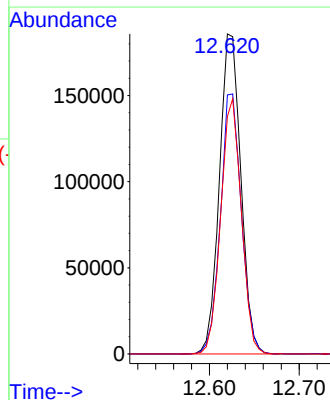
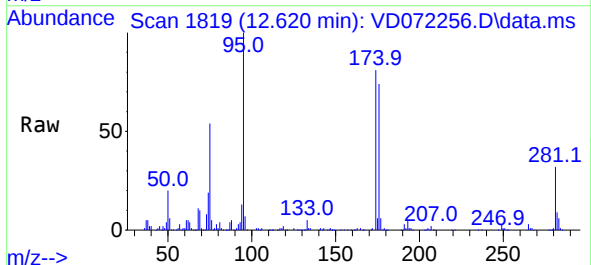
Instrument :  
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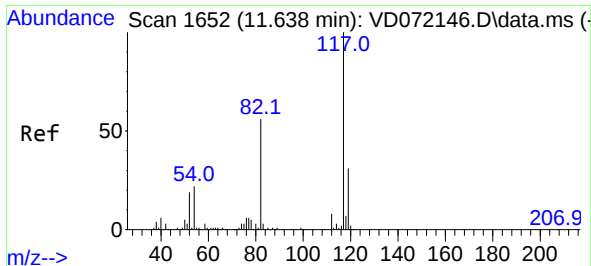
Tgt Ion: 98 Resp: 801065  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 47.805 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD072256.D  
Acq: 17 Mar 2022 20:49

Tgt Ion: 95 Resp: 308591  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 152.8  
176 76.5 0.0 145.4

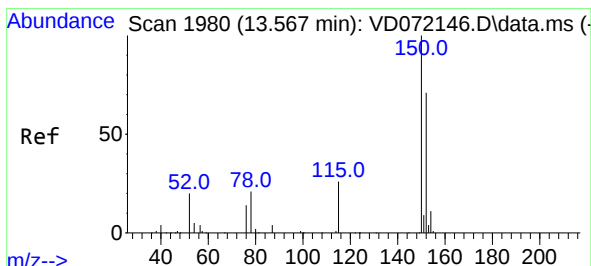
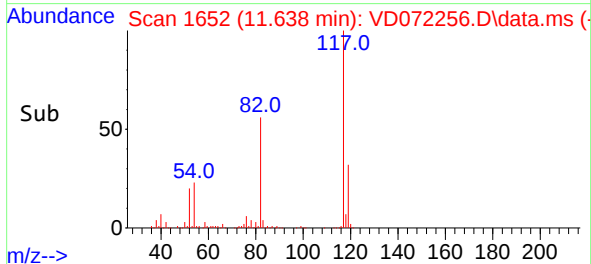
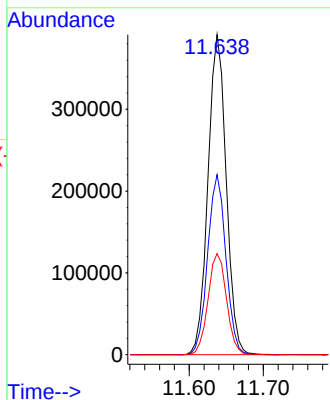
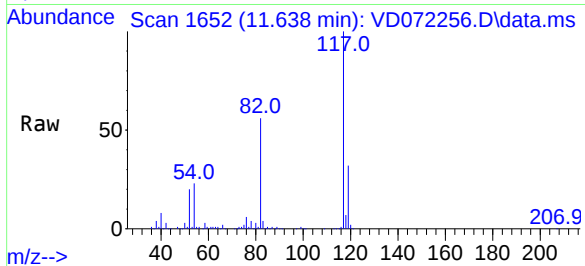




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD072256.D  
Acq: 17 Mar 2022 20:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
TB1

Tgt Ion:117 Resp: 668228  
Ion Ratio Lower Upper  
117 100  
82 56.3 45.3 67.9  
119 31.6 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD072256.D  
Acq: 17 Mar 2022 20:49

Tgt Ion:152 Resp: 289924  
Ion Ratio Lower Upper  
152 100  
115 60.4 31.3 93.8  
150 157.5 0.0 348.6

