

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061522\  
 Data File : VD073594.D  
 Acq On : 15 Jun 2022 16:33  
 Operator : VA/SY  
 Sample : N3281-01  
 Misc : 5.39G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 129

Quant Time: Jun 16 06:03:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 259815   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 450843   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 421585   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 193059   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 159710   | 57.281   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.560% |
| 35) Dibromofluoromethane    | 7.902  | 113   | 151696   | 52.325   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.660% |
| 50) Toluene-d8              | 10.332 | 98    | 540212   | 49.284   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 98.560%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 181107   | 45.514   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 91.020%  |

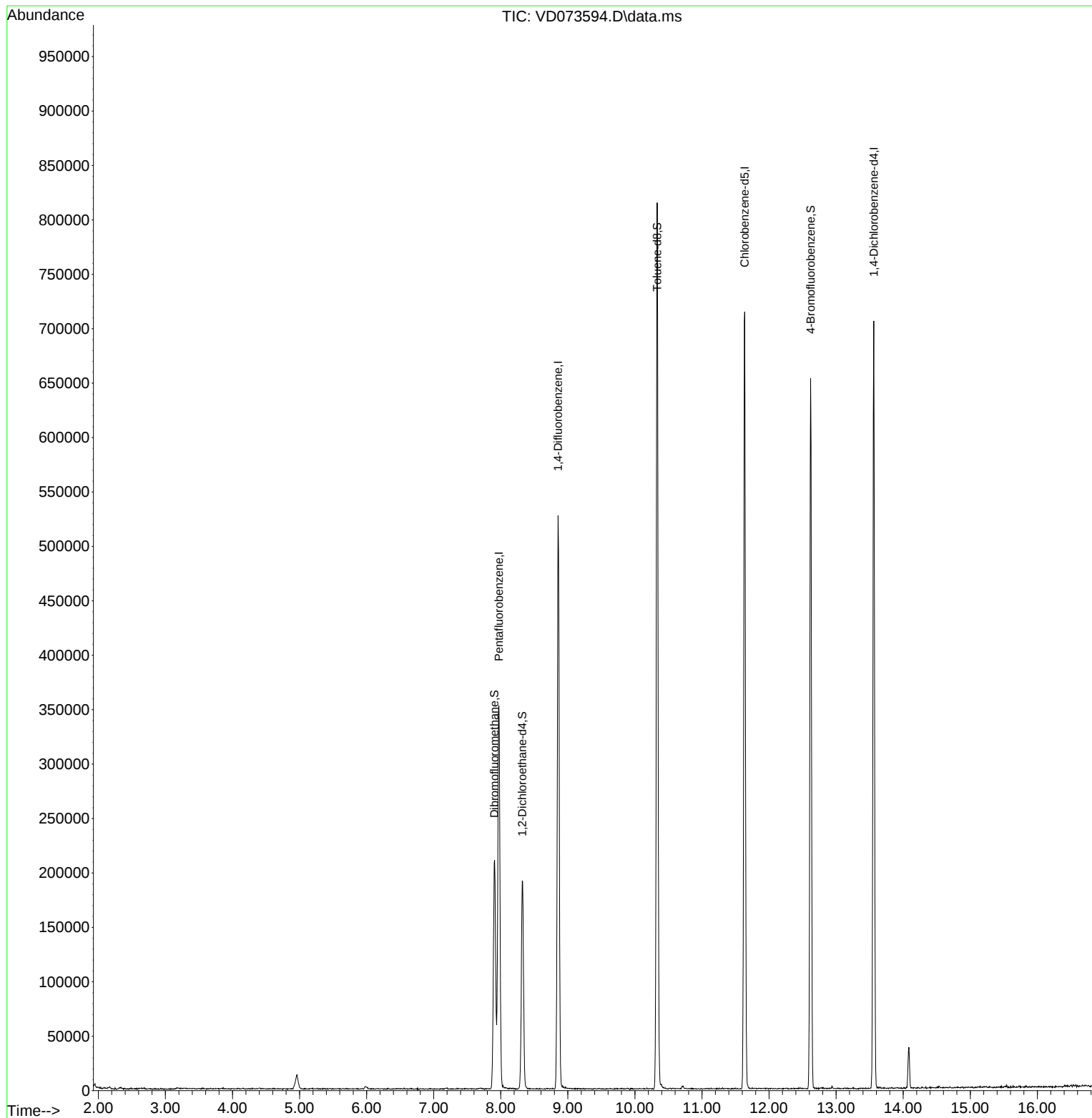
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

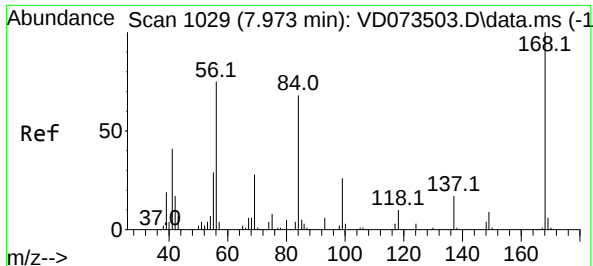
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jun 09 12:33:32 2022  
Response via : Initial Calibration

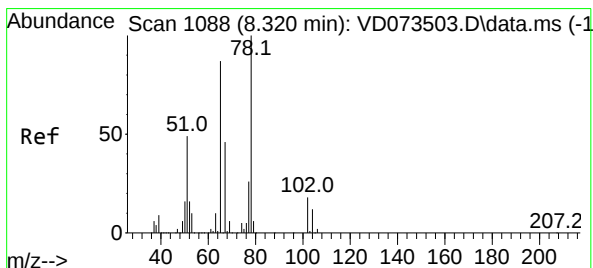
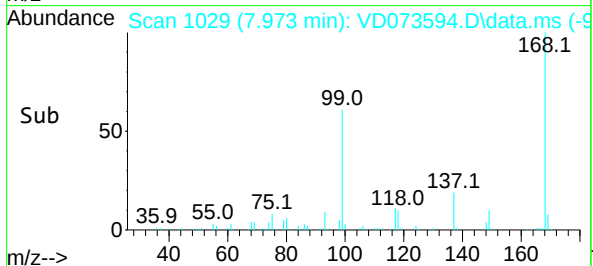
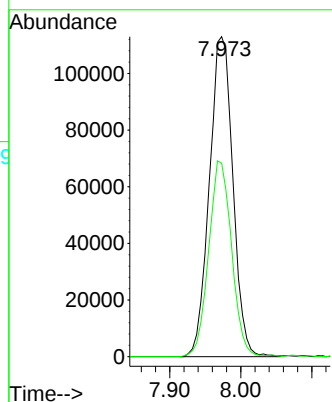
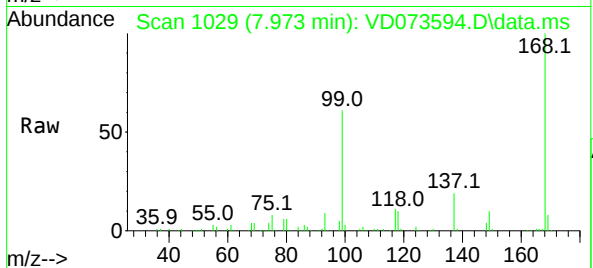




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073594.D  
Acq: 15 Jun 2022 16:33

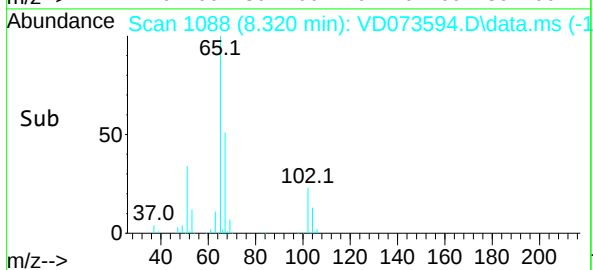
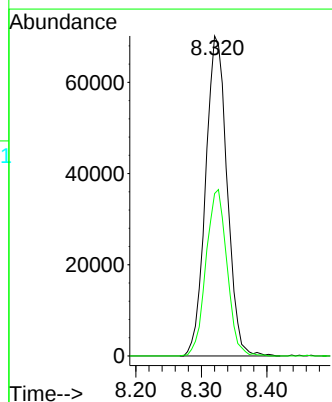
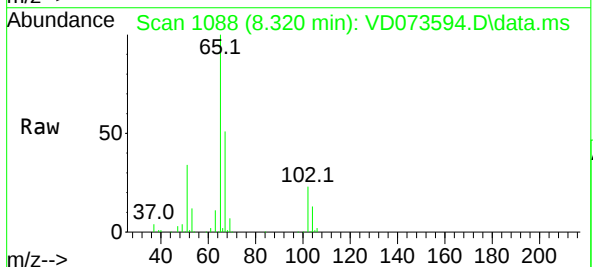
Instrument :  
MSVOA\_D  
ClientSampleId :  
129

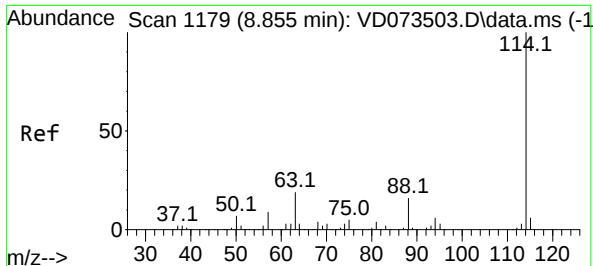
Tgt Ion:168 Resp: 259815  
Ion Ratio Lower Upper  
168 100  
99 60.5 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 57.281 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VD073594.D  
Acq: 15 Jun 2022 16:33

Tgt Ion: 65 Resp: 159710  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073594.D

Acq: 15 Jun 2022 16:33

Instrument :

MSVOA\_D

ClientSampleId :

129

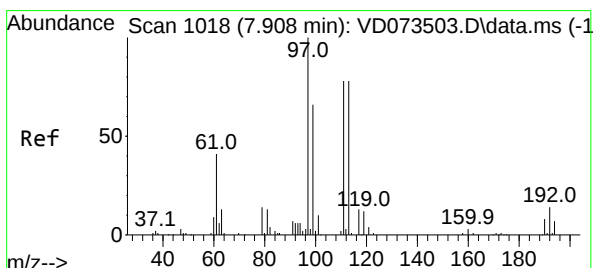
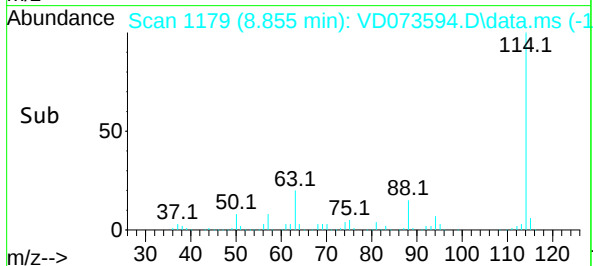
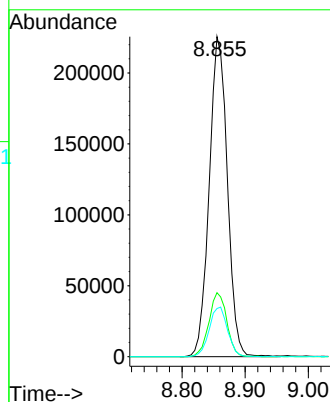
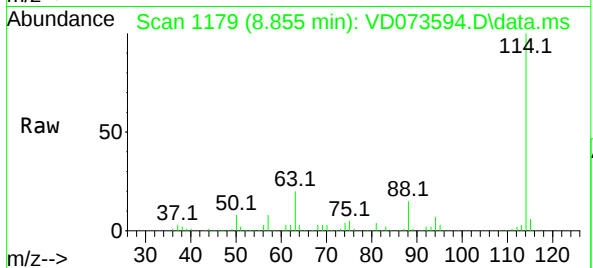
Tgt Ion:114 Resp: 450843

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.325 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073594.D

Acq: 15 Jun 2022 16:33

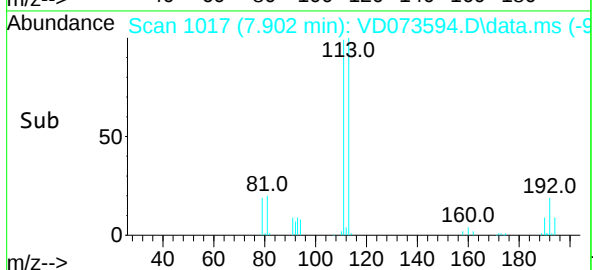
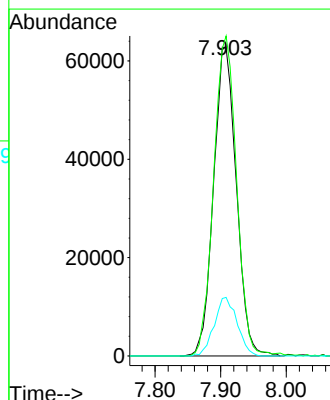
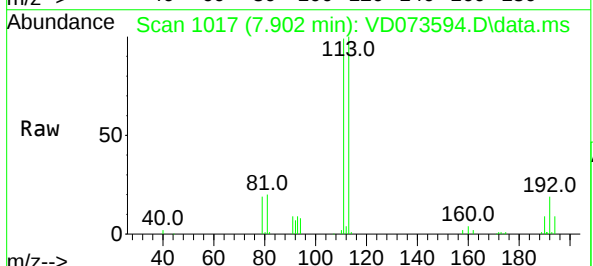
Tgt Ion:113 Resp: 151696

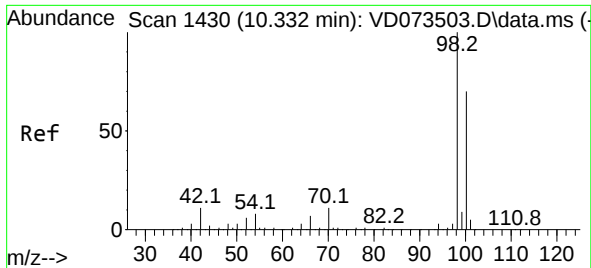
Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

192 19.0 14.6 21.8

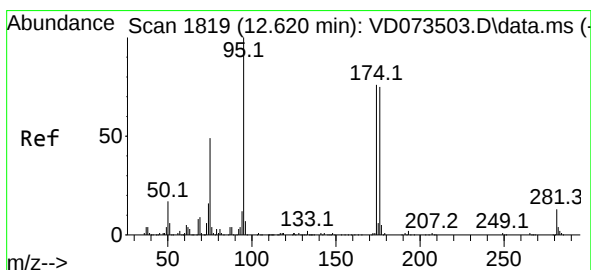
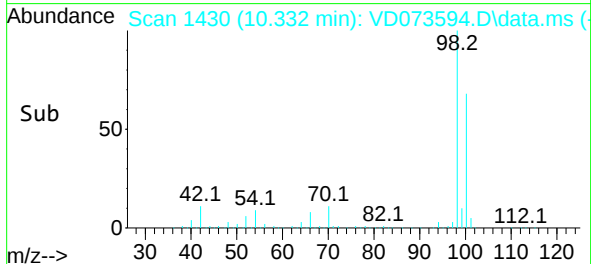
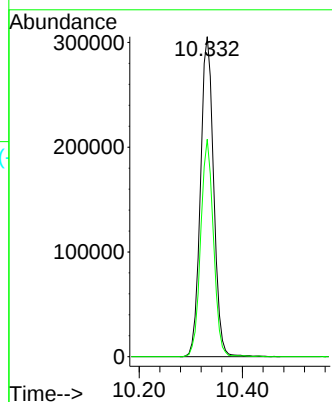
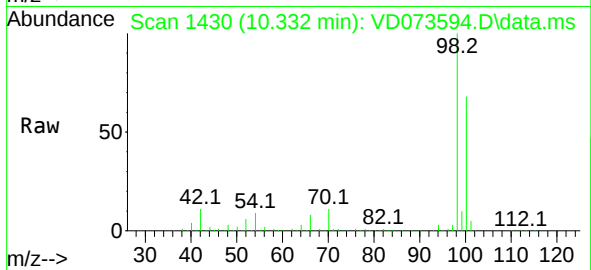




#50  
Toluene-d8  
Concen: 49.284 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073594.D  
Acq: 15 Jun 2022 16:33

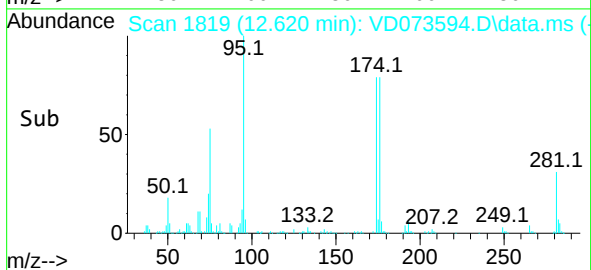
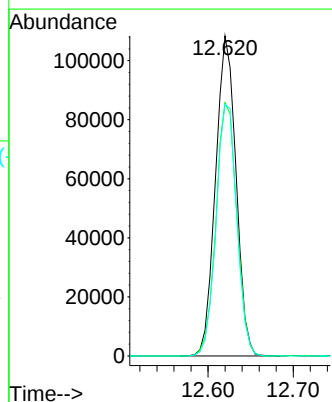
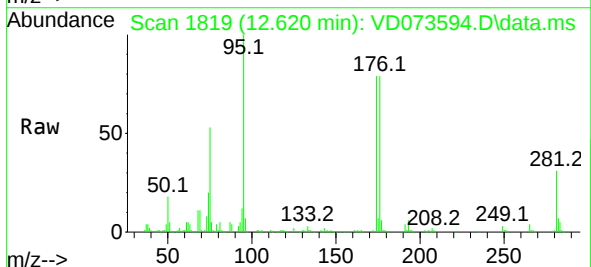
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MSVOA\_D  
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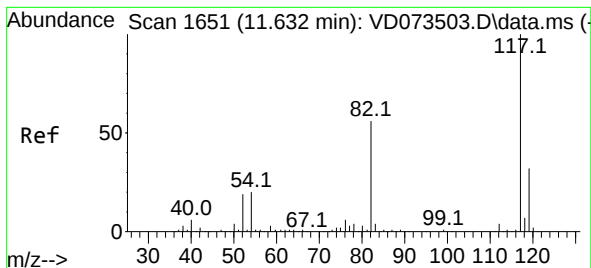
Tgt Ion: 98 Resp: 540212  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 45.514 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073594.D  
Acq: 15 Jun 2022 16:33

Tgt Ion: 95 Resp: 181107  
Ion Ratio Lower Upper  
95 100  
174 80.6 0.0 152.8  
176 78.9 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD073594.D

Acq: 15 Jun 2022 16:33

Instrument :

MSVOA\_D

ClientSampleId :

129

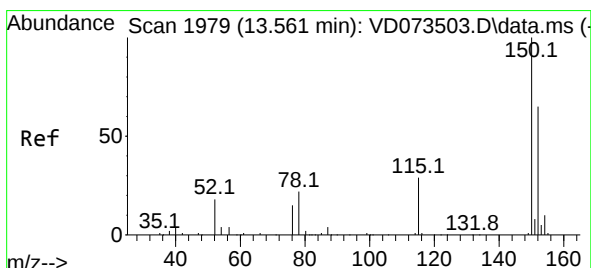
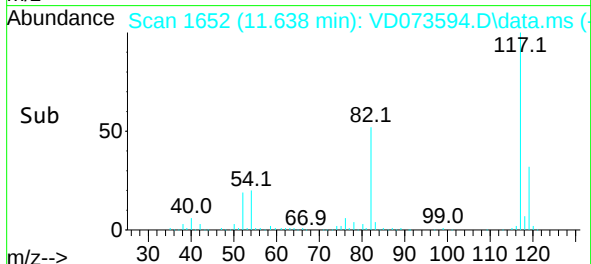
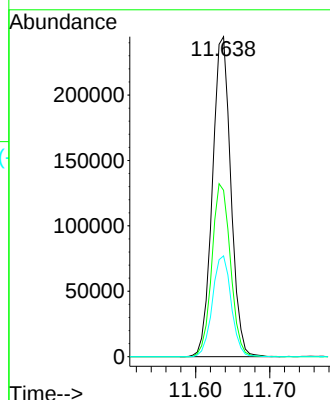
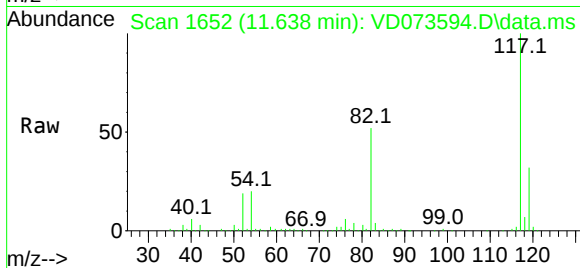
Tgt Ion:117 Resp: 421585

Ion Ratio Lower Upper

117 100

82 52.0 45.3 67.9

119 31.5 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073594.D

Acq: 15 Jun 2022 16:33

Tgt Ion:152 Resp: 193059

Ion Ratio Lower Upper

152 100

115 57.6 31.3 93.8

150 153.7 0.0 348.6

