

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080822\  
 Data File : VD073981.D  
 Acq On : 08 Aug 2022 19:23  
 Operator : VA/SY  
 Sample : N4023-07RE  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP3-1-6RE

Quant Time: Aug 08 19:30:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 06 00:36:42 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.967  | 168   | 6063     | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.856  | 114   | 9667     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.632 | 117   | 10223    | 50.000   | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 4083     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 4890     | 113.864  | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 227.720%# |          |
| 35) Dibromofluoromethane    | 7.897  | 113   | 3978     | 66.794   | ug/l        | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 133.580%  |          |
| 50) Toluene-d8              | 10.326 | 98    | 7397     | 44.669   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 89.340%   |          |
| 62) 4-Bromofluorobenzene    | 12.614 | 95    | 4301     | 54.188   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 108.380%  |          |

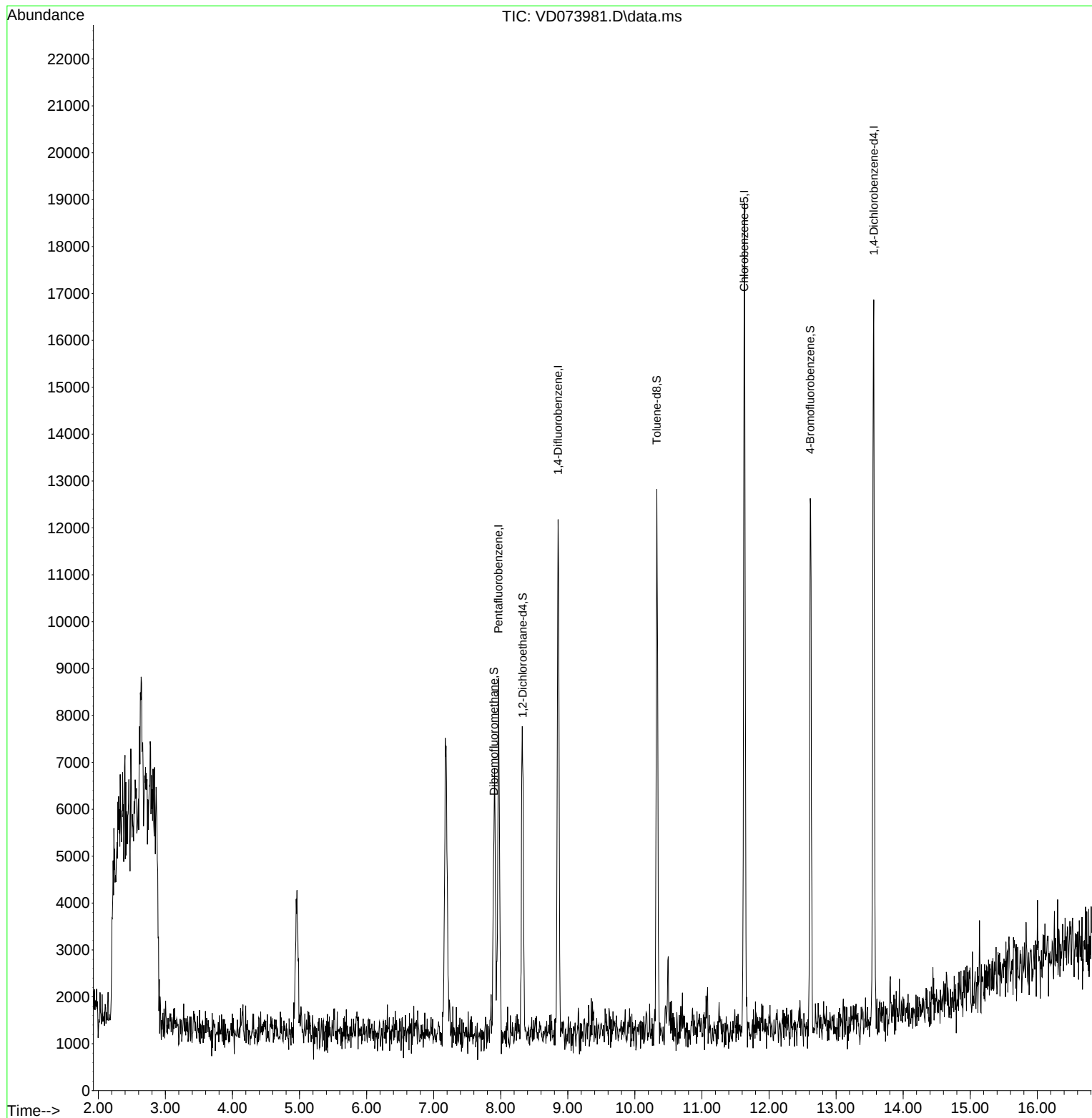
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

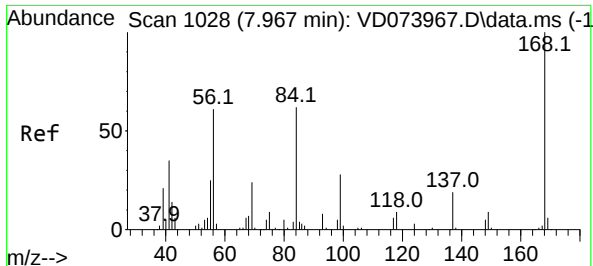
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 06 00:36:42 2022  
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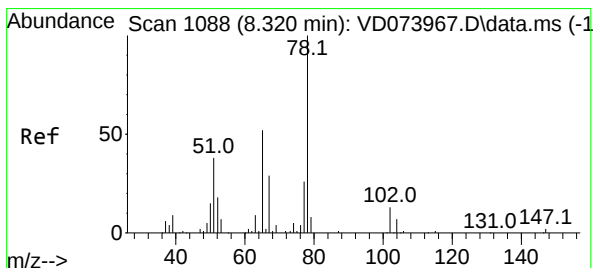
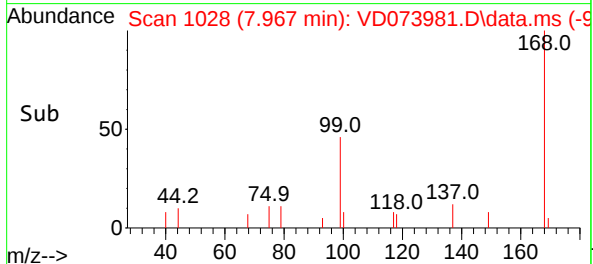
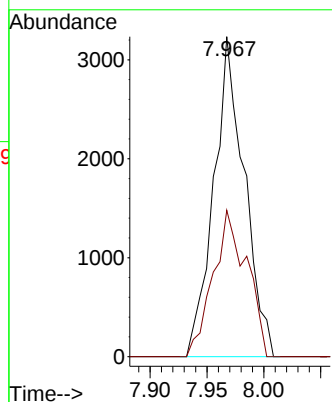
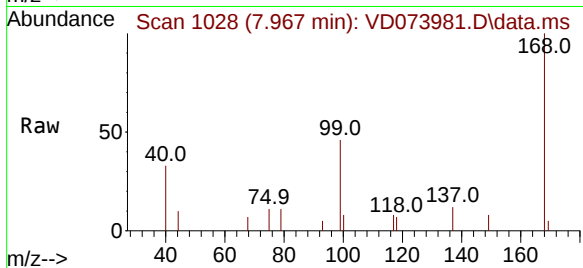




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. 0.000 min  
Lab File: VD073981.D  
Acq: 08 Aug 2022 19:23

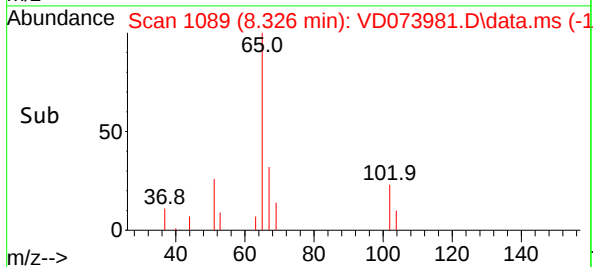
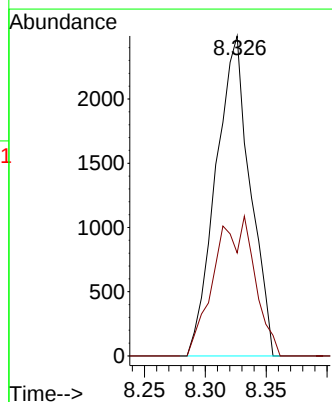
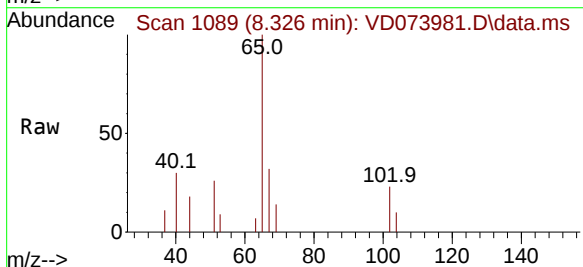
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP3-1-6RE

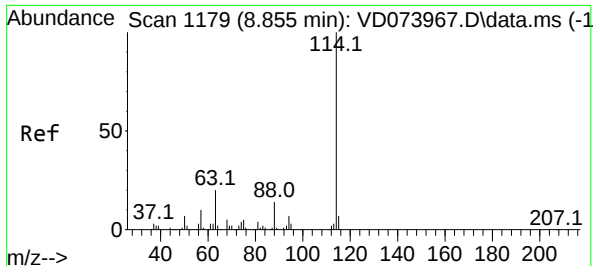
Tgt Ion:168 Resp: 6063  
Ion Ratio Lower Upper  
168 100  
99 45.8 46.2 69.4#



#33  
1,2-Dichloroethane-d4  
Concen: 113.864 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.006 min  
Lab File: VD073981.D  
Acq: 08 Aug 2022 19:23

Tgt Ion: 65 Resp: 4890  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073981.D

Acq: 08 Aug 2022 19:23

Instrument :

MSVOA\_D

ClientSampleId :

TP3-1-6RE

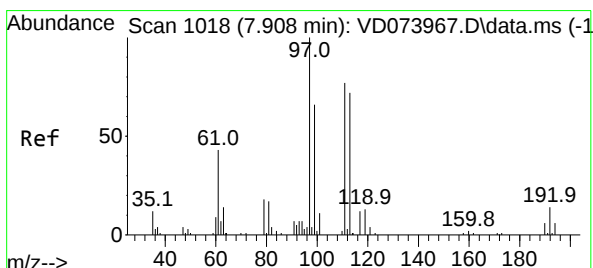
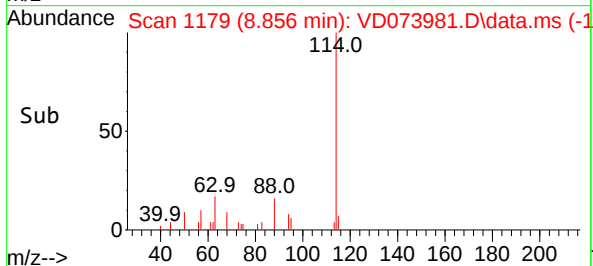
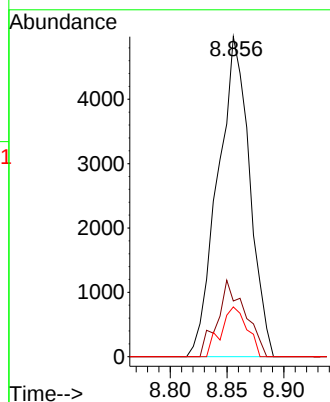
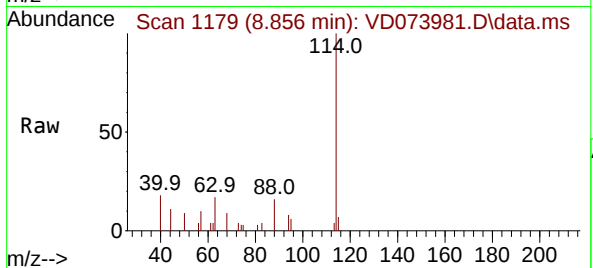
Tgt Ion:114 Resp: 9667

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.8

88 15.5 0.0 28.0



#35

Dibromofluoromethane

Concen: 66.794 ug/l

RT: 7.897 min Scan# 1016

Delta R.T. -0.012 min

Lab File: VD073981.D

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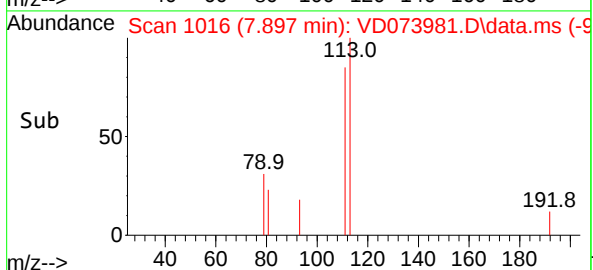
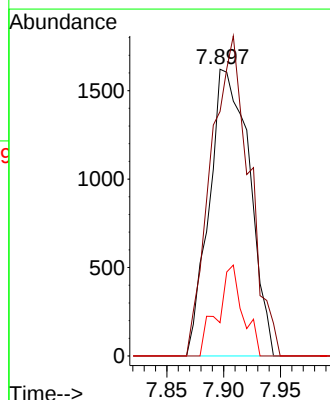
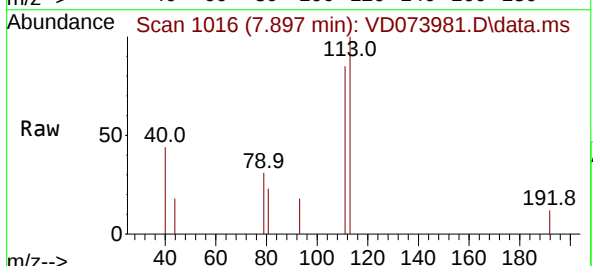
Tgt Ion:113 Resp: 3978

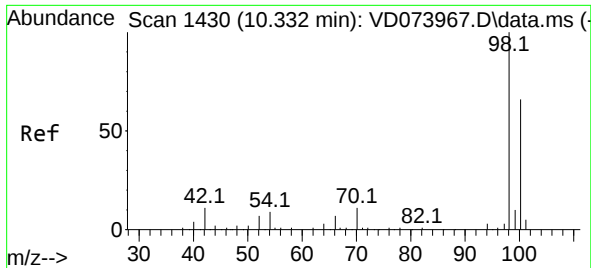
Ion Ratio Lower Upper

113 100

111 107.2 83.0 124.4

192 20.0 14.8 22.2

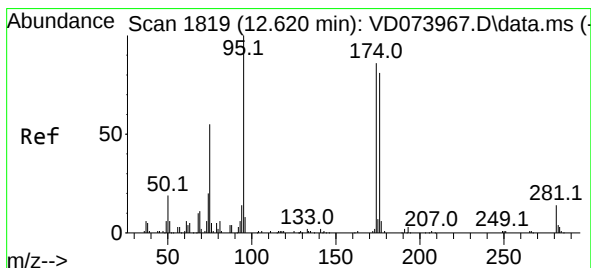
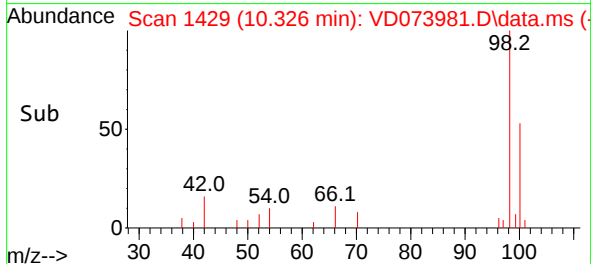
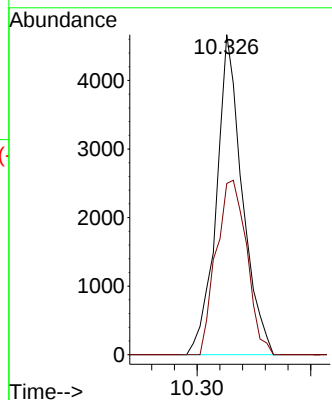
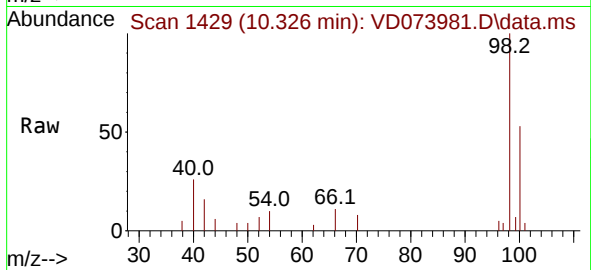




#50  
Toluene-d8  
Concen: 44.669 ug/l  
RT: 10.326 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD073981.D  
Acq: 08 Aug 2022 19:23

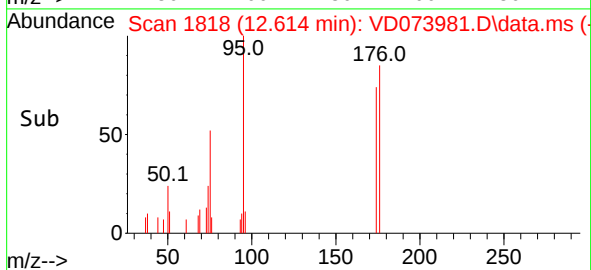
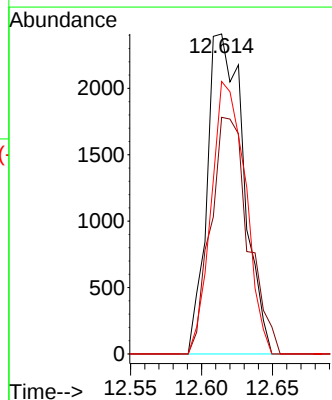
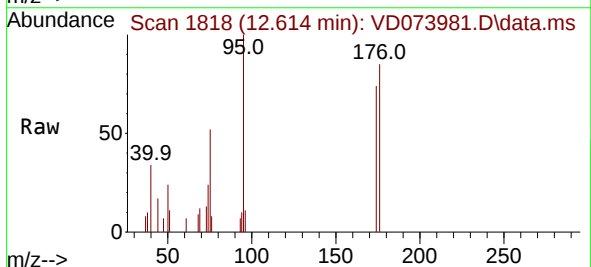
Instrument :  
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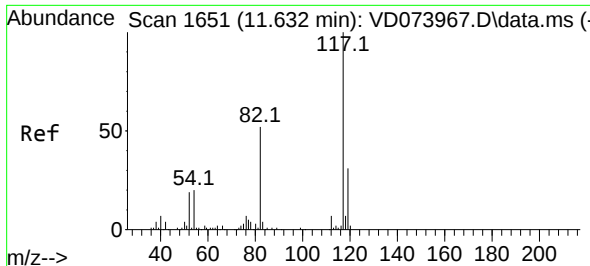
Tgt Ion: 98 Resp: 7397  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 54.188 ug/l  
RT: 12.614 min Scan# 1818  
Delta R.T. -0.006 min  
Lab File: VD073981.D  
Acq: 08 Aug 2022 19:23

Tgt Ion: 95 Resp: 4301  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 163.0  
176 79.7 0.0 154.8

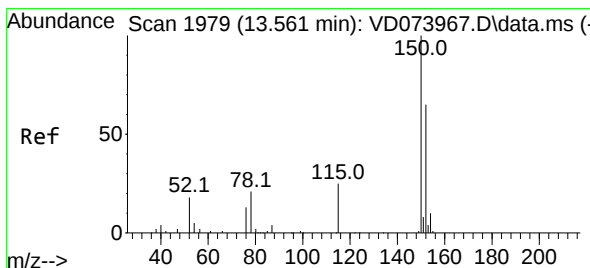
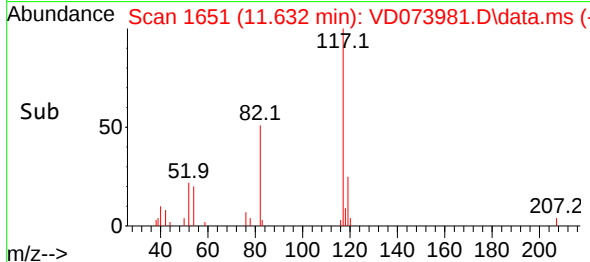
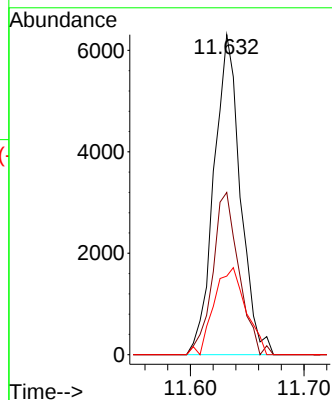
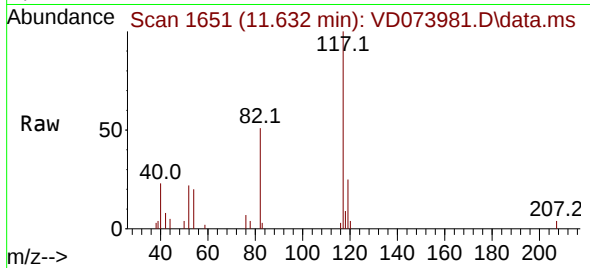




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD073981.D  
Acq: 08 Aug 2022 19:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP3-1-6RE

Tgt Ion:117 Resp: 10223  
Ion Ratio Lower Upper  
117 100  
82 50.7 42.0 63.0  
119 24.5 24.8 37.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073981.D  
Acq: 08 Aug 2022 19:23

Tgt Ion:152 Resp: 4083  
Ion Ratio Lower Upper  
152 100  
115 77.5 30.4 91.3  
150 168.8 0.0 357.2

