

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081622\  
 Data File : VD074106.D  
 Acq On : 16 Aug 2022 17:23  
 Operator : VA/SY  
 Sample : N4202-03  
 Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB08

Quant Time: Aug 16 17:42:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081522S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 01:41:25 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 118016   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 210844   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.632 | 117  | 193862   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 84727    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 47158    | 54.324   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 108.640% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 60696    | 45.049   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.100%  |
| 50) Toluene-d8              | 10.332 | 98    | 138381   | 33.828   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 67.660%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 62001    | 36.703   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 73.400%  |

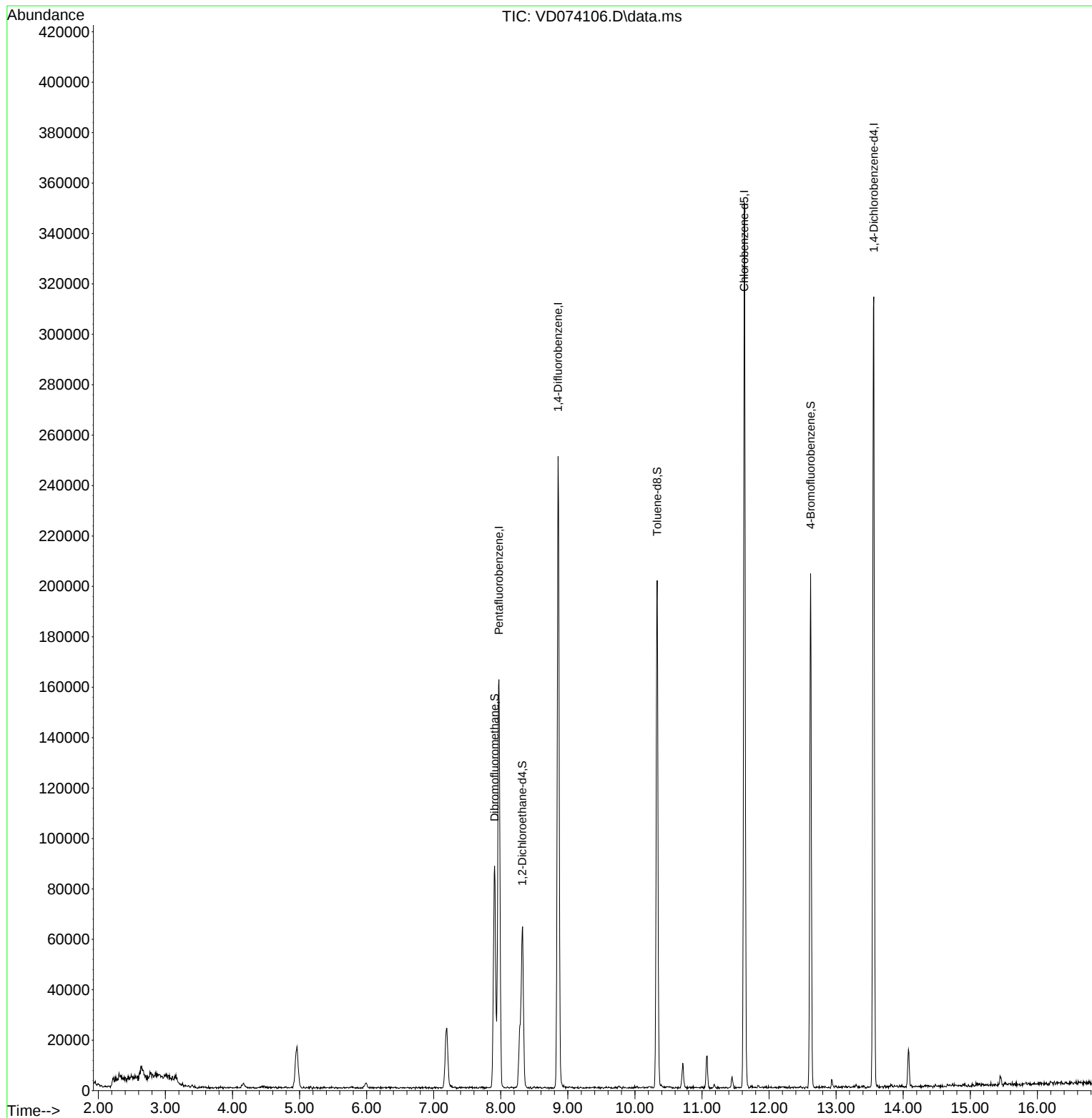
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

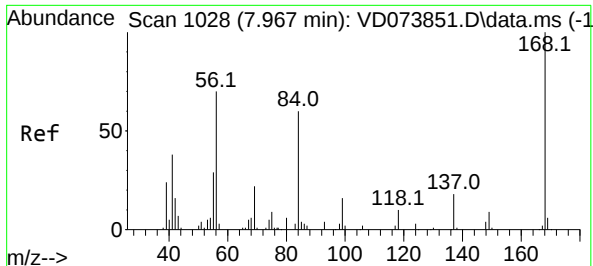
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Aug 16 01:41:25 2022  
Response via : Initial Calibration

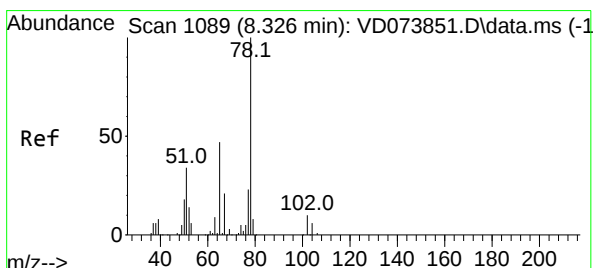
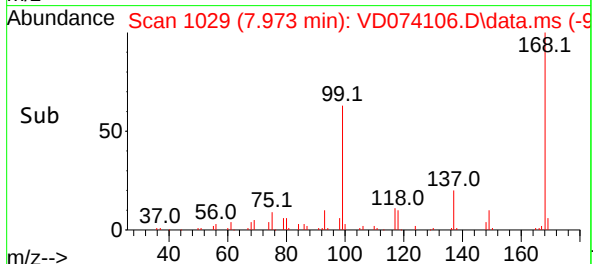
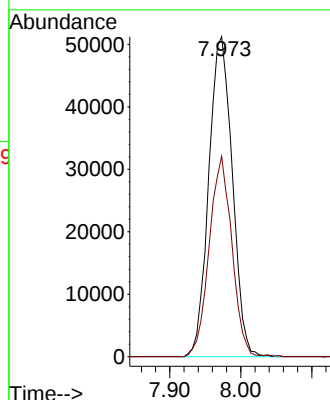
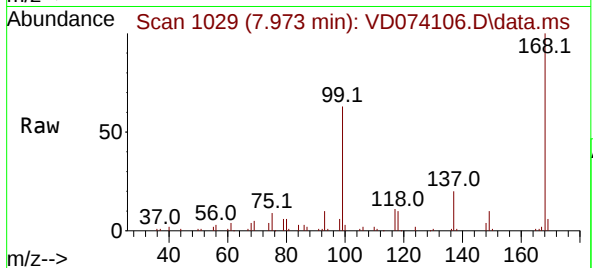




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1028  
Delta R.T. 0.006 min  
Lab File: VD074106.D  
Acq: 16 Aug 2022 17:23

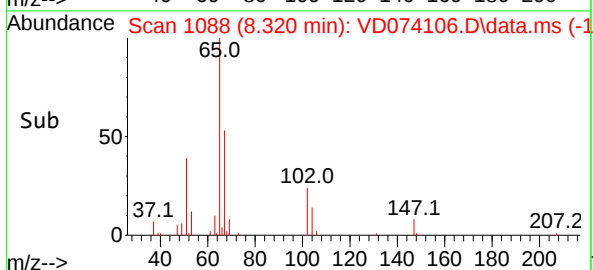
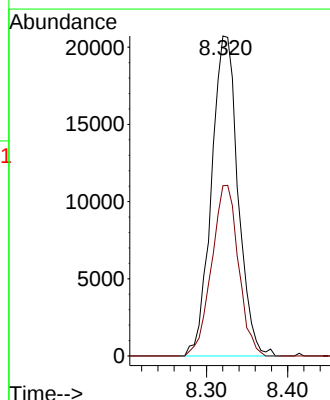
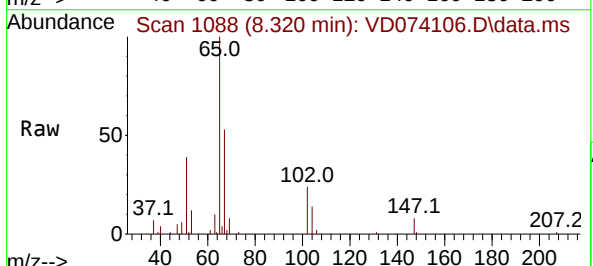
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB08

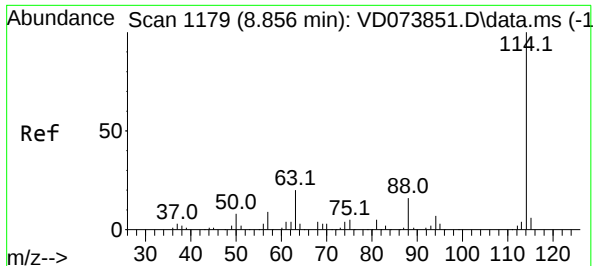
Tgt Ion:168 Resp: 118016  
Ion Ratio Lower Upper  
168 100  
99 62.6 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 54.324 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD074106.D  
Acq: 16 Aug 2022 17:23

Tgt Ion: 65 Resp: 47158  
Ion Ratio Lower Upper  
65 100  
67 53.7 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: VD074106.D

Acq: 16 Aug 2022 17:23

Instrument :

MSVOA\_D

ClientSampleId :

SB08

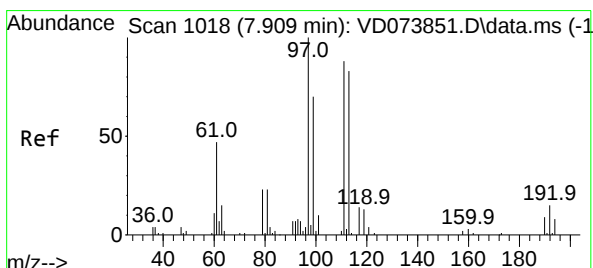
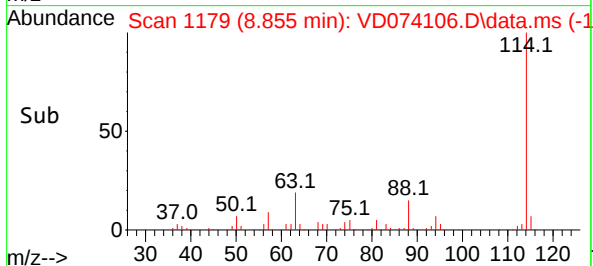
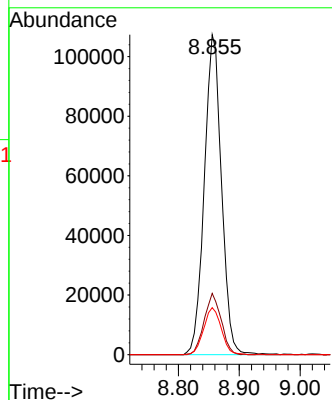
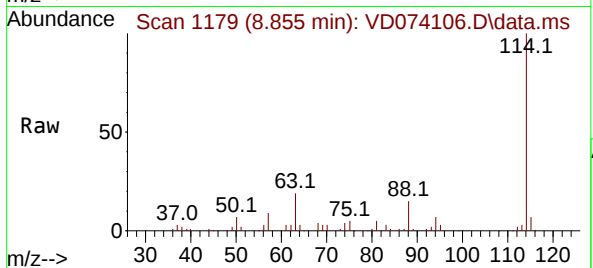
Tgt Ion:114 Resp: 210844

Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 14.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 45.049 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD074106.D

Acq: 16 Aug 2022 17:23

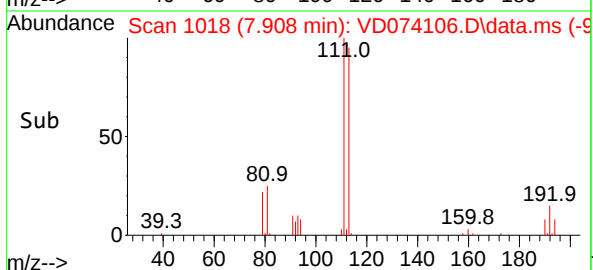
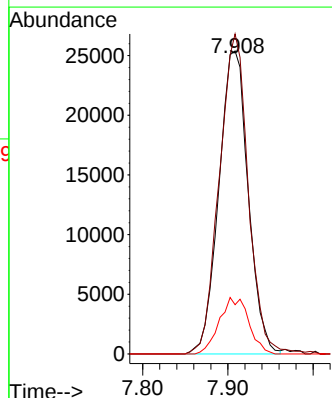
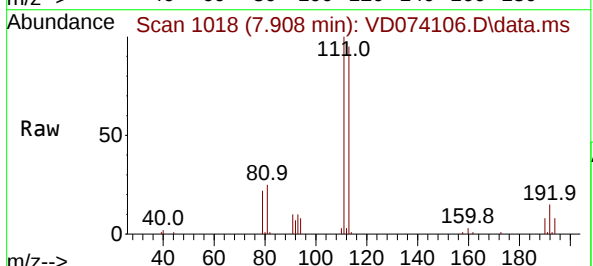
Tgt Ion:113 Resp: 60696

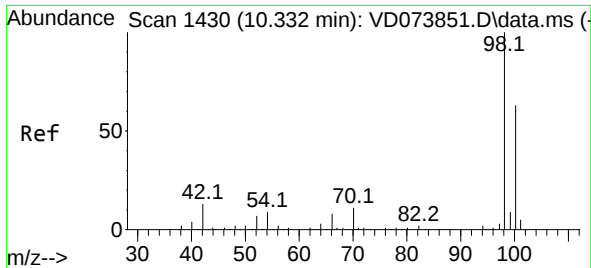
Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

192 18.7 14.6 21.8

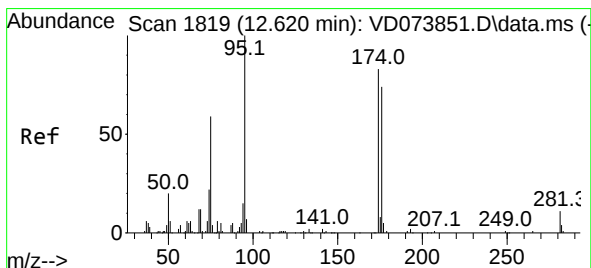
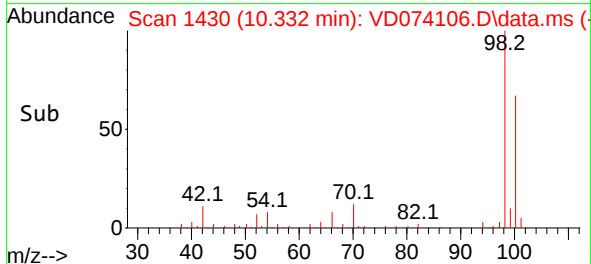
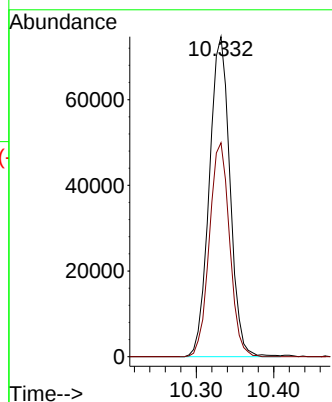
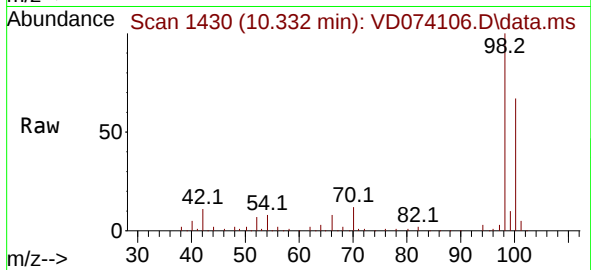




#50  
Toluene-d8  
Concen: 33.828 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD074106.D  
Acq: 16 Aug 2022 17:23

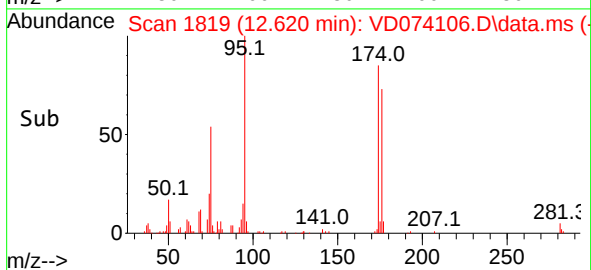
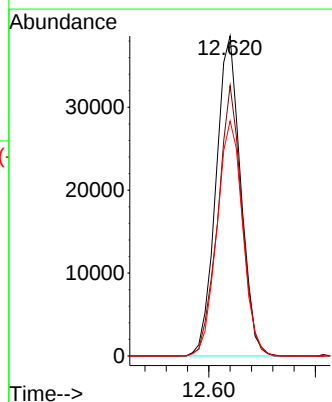
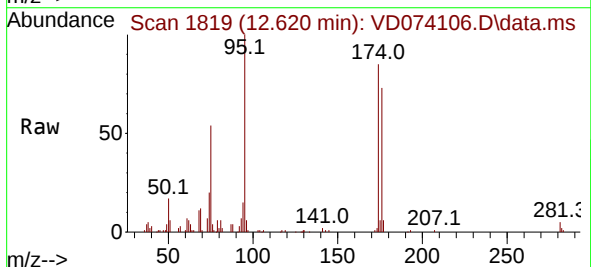
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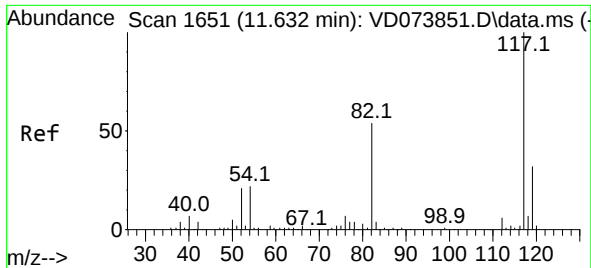
Tgt Ion: 98 Resp: 138381  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 36.703 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD074106.D  
Acq: 16 Aug 2022 17:23

Tgt Ion: 95 Resp: 62001  
Ion Ratio Lower Upper  
95 100  
174 82.0 0.0 152.8  
176 76.4 0.0 145.4

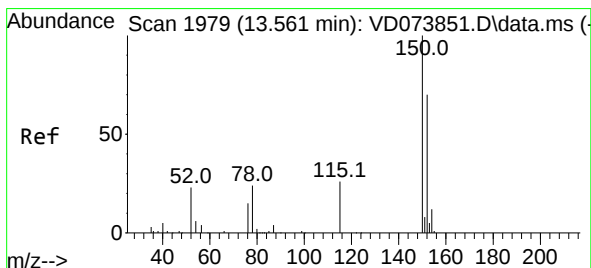
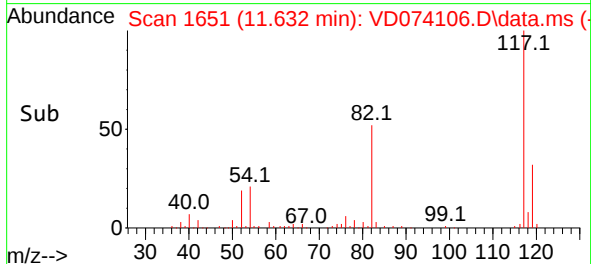
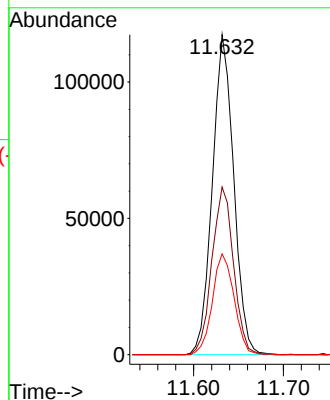
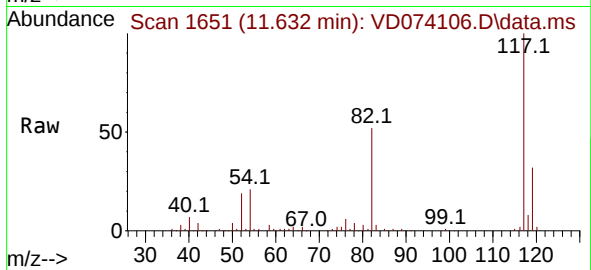




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD074106.D  
Acq: 16 Aug 2022 17:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB08

Tgt Ion:117 Resp: 193862  
Ion Ratio Lower Upper  
117 100  
82 52.4 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: VD074106.D  
Acq: 16 Aug 2022 17:23

Tgt Ion:152 Resp: 84727  
Ion Ratio Lower Upper  
152 100  
115 59.3 31.3 93.8  
150 154.5 0.0 348.6

