

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011022\  
 Data File : VD071661.D  
 Acq On : 10 Jan 2022 17:00  
 Operator : VA/SY  
 Sample : N1076-07RE  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-07RE

Quant Time: Jan 11 04:09:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 15:39:14 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.979  | 168   | 63694    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 119885   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 117853   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 49403    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 70190    | 85.643   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 171.280%# |
| 35) Dibromofluoromethane    | 7.914  | 113   | 44440    | 56.091   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 112.180%  |
| 50) Toluene-d8              | 10.332 | 98    | 151712   | 51.154   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 102.300%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 48876    | 46.768   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 93.540%   |

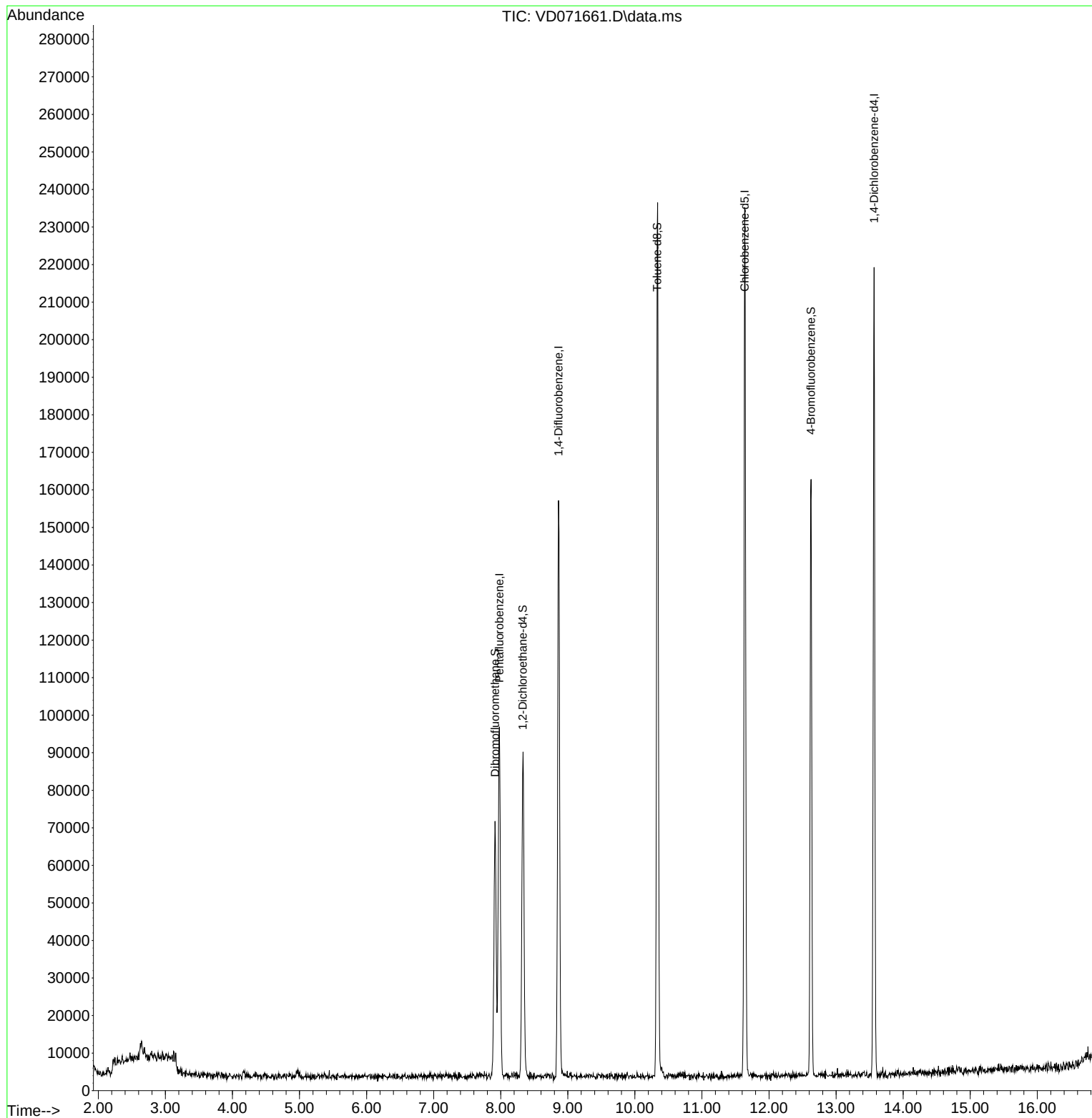
Target Compounds Qvalue

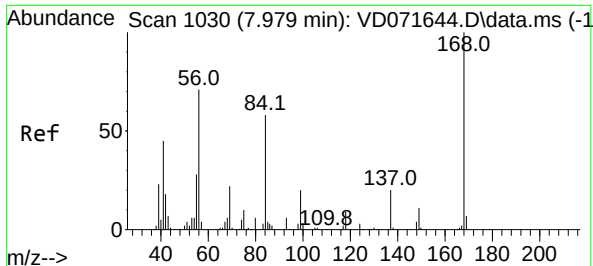
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

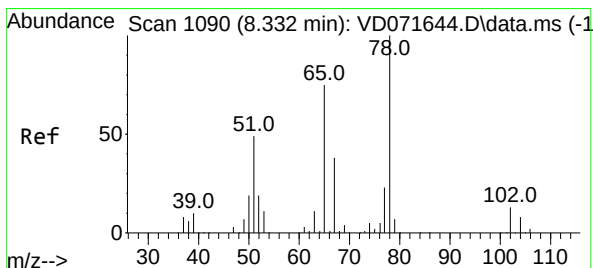
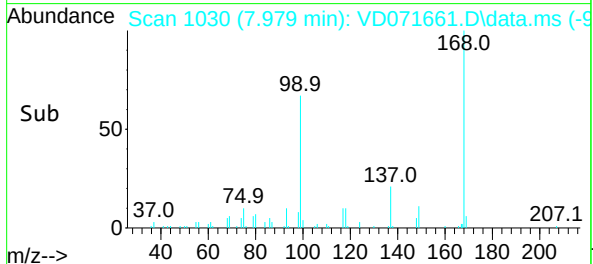
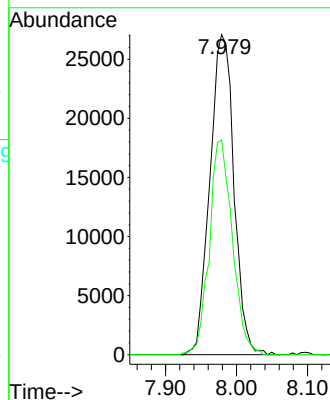
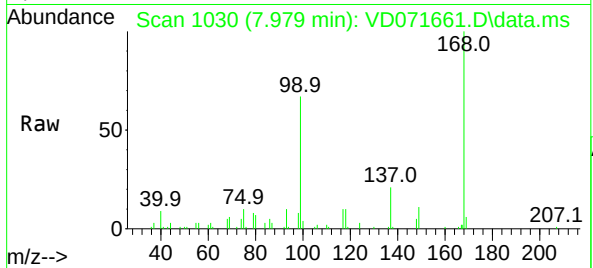




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD071661.D  
Acq: 10 Jan 2022 17:00

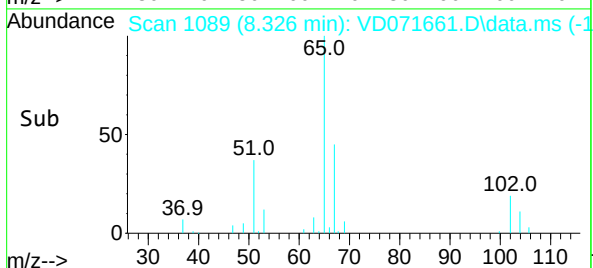
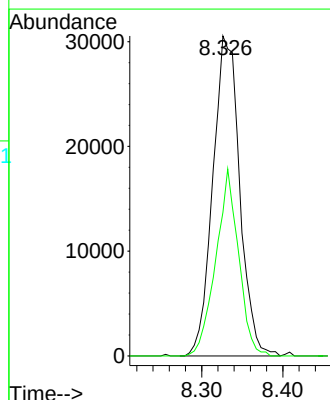
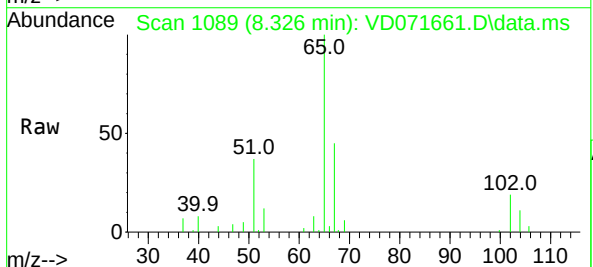
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-07RE

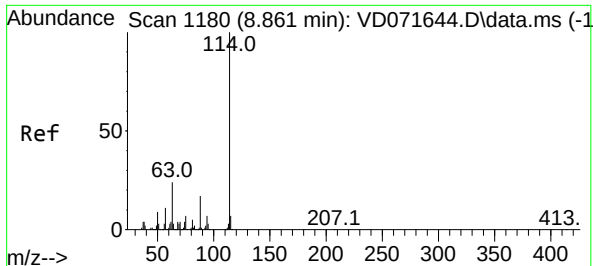
Tgt Ion:168 Resp: 63694  
Ion Ratio Lower Upper  
168 100  
99 67.1 51.8 77.6



#33  
1,2-Dichloroethane-d4  
Concen: 85.643 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD071661.D  
Acq: 10 Jan 2022 17:00

Tgt Ion: 65 Resp: 70190  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071661.D

Acq: 10 Jan 2022 17:00

Instrument :

MSVOA\_D

ClientSampleId :

SB-07RE

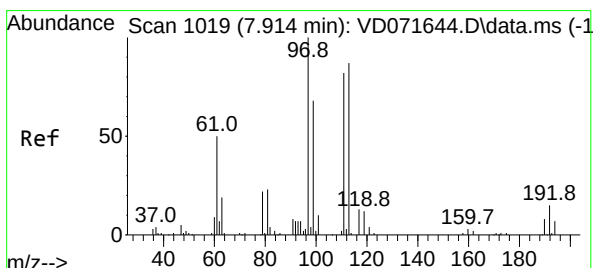
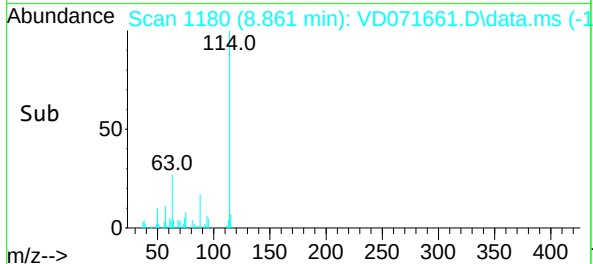
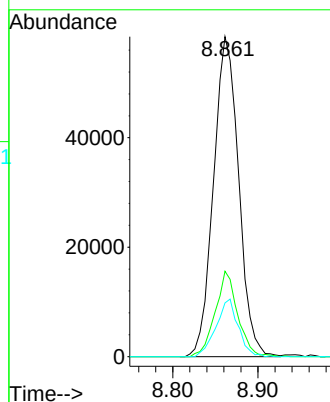
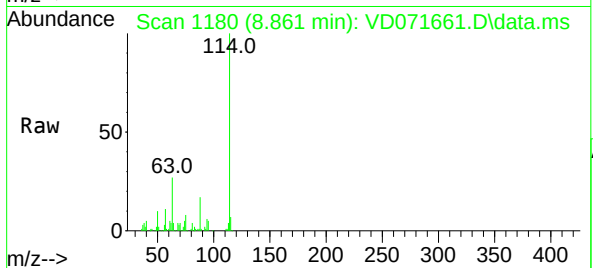
Tgt Ion:114 Resp: 119885

Ion Ratio Lower Upper

114 100

63 26.7 0.0 46.2

88 16.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 56.091 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071661.D

Acq: 10 Jan 2022 17:00

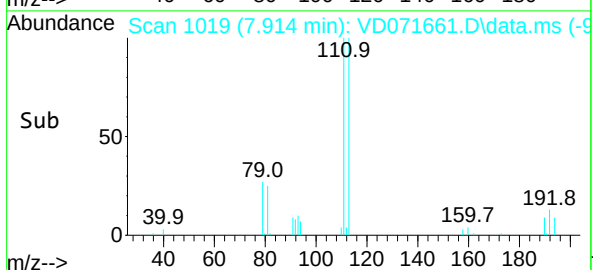
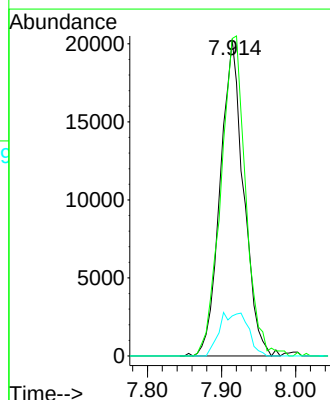
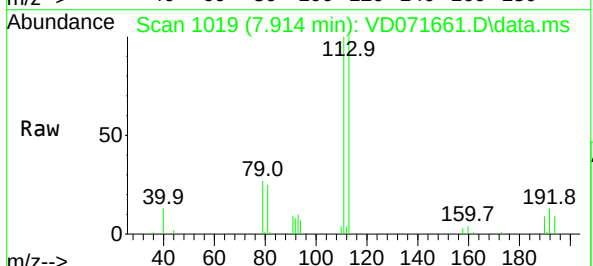
Tgt Ion:113 Resp: 44440

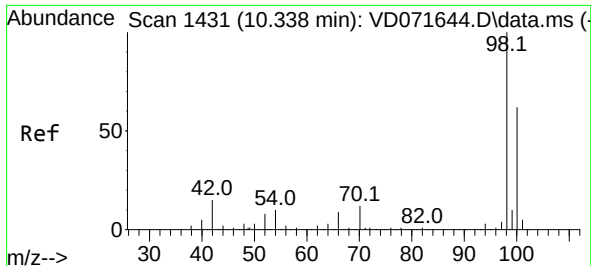
Ion Ratio Lower Upper

113 100

111 107.1 82.2 123.4

192 16.7 14.2 21.2

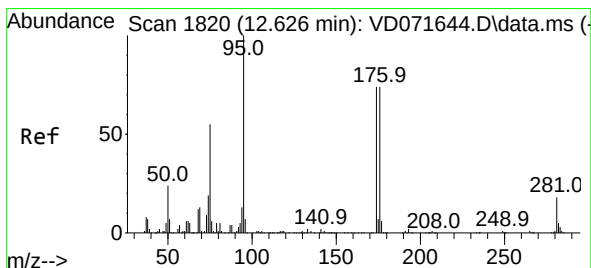
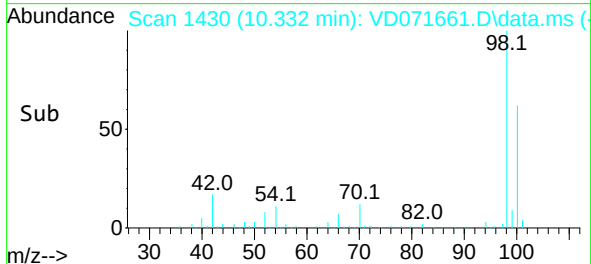
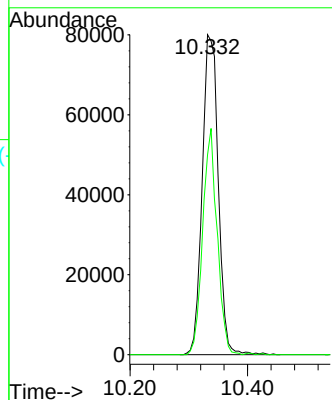
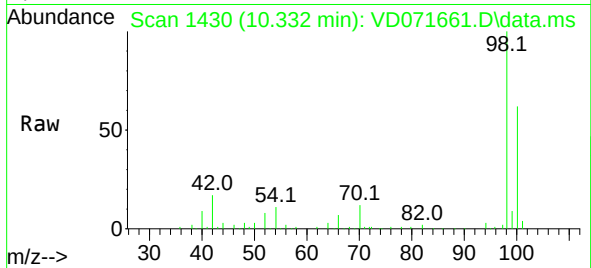




#50  
Toluene-d8  
Concen: 51.154 ug/l  
RT: 10.332 min Scan# 1431  
Delta R.T. -0.005 min  
Lab File: VD071661.D  
Acq: 10 Jan 2022 17:00

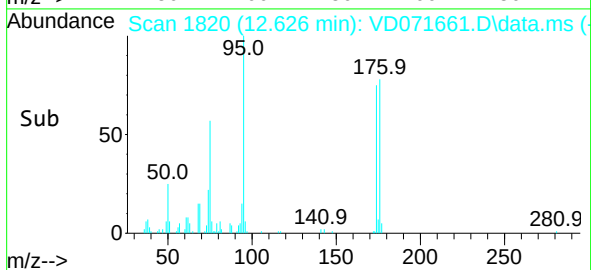
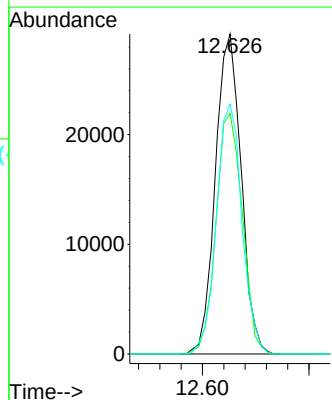
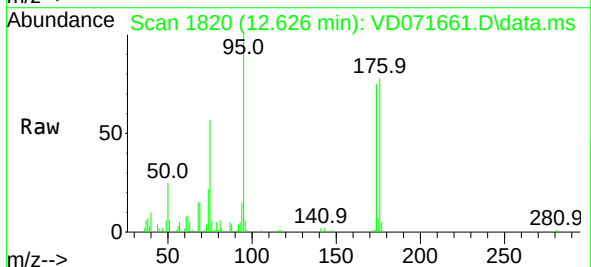
Instrument :  
MSVOA\_D  
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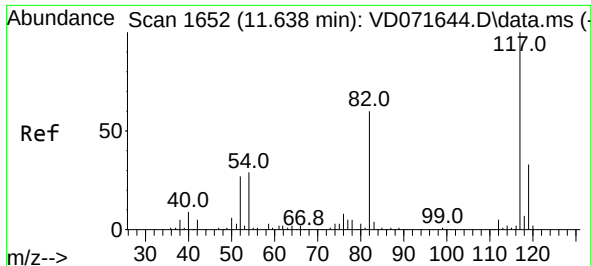
Tgt Ion: 98 Resp: 151712  
Ion Ratio Lower Upper  
98 100  
100 63.5 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 46.768 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071661.D  
Acq: 10 Jan 2022 17:00

Tgt Ion: 95 Resp: 48876  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 150.0  
176 77.6 0.0 146.4

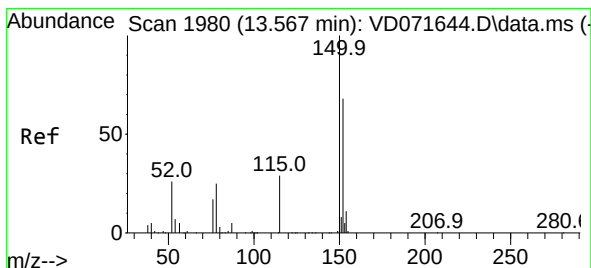
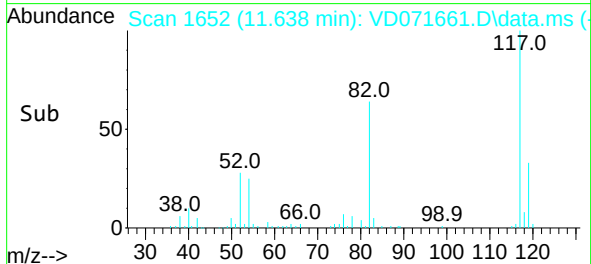
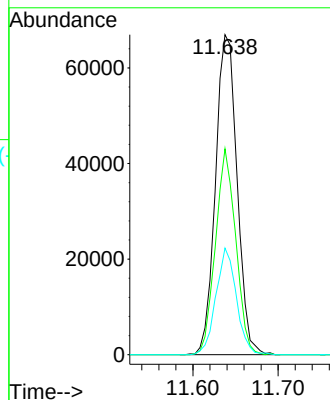
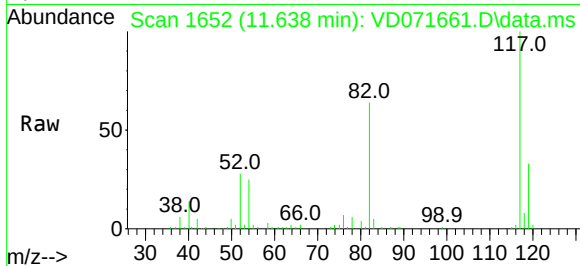




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117853  
Delta R.T. 0.001 min  
Lab File: VD071661.D  
Acq: 10 Jan 2022 17:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-07RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 64.4  | 46.9  | 70.3  |
| 119     | 33.3  | 26.6  | 39.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD071661.D  
Acq: 10 Jan 2022 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.9  | 31.5  | 94.5  |
| 150     | 159.5 | 0.0   | 348.0 |

