

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010322\  
 Data File : VD071565.D  
 Acq On : 03 Jan 2022 14:54  
 Operator : VA/SY  
 Sample : VIBLK  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Quant Time: Jan 03 15:07:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 413939   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 719866   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 712320   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 323850   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 213429   | 38.823   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 77.640%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 220498   | 45.576   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.160%  |
| 50) Toluene-d8              | 10.338 | 98    | 901665   | 49.317   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 98.640%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 332524   | 51.182   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 102.360% |

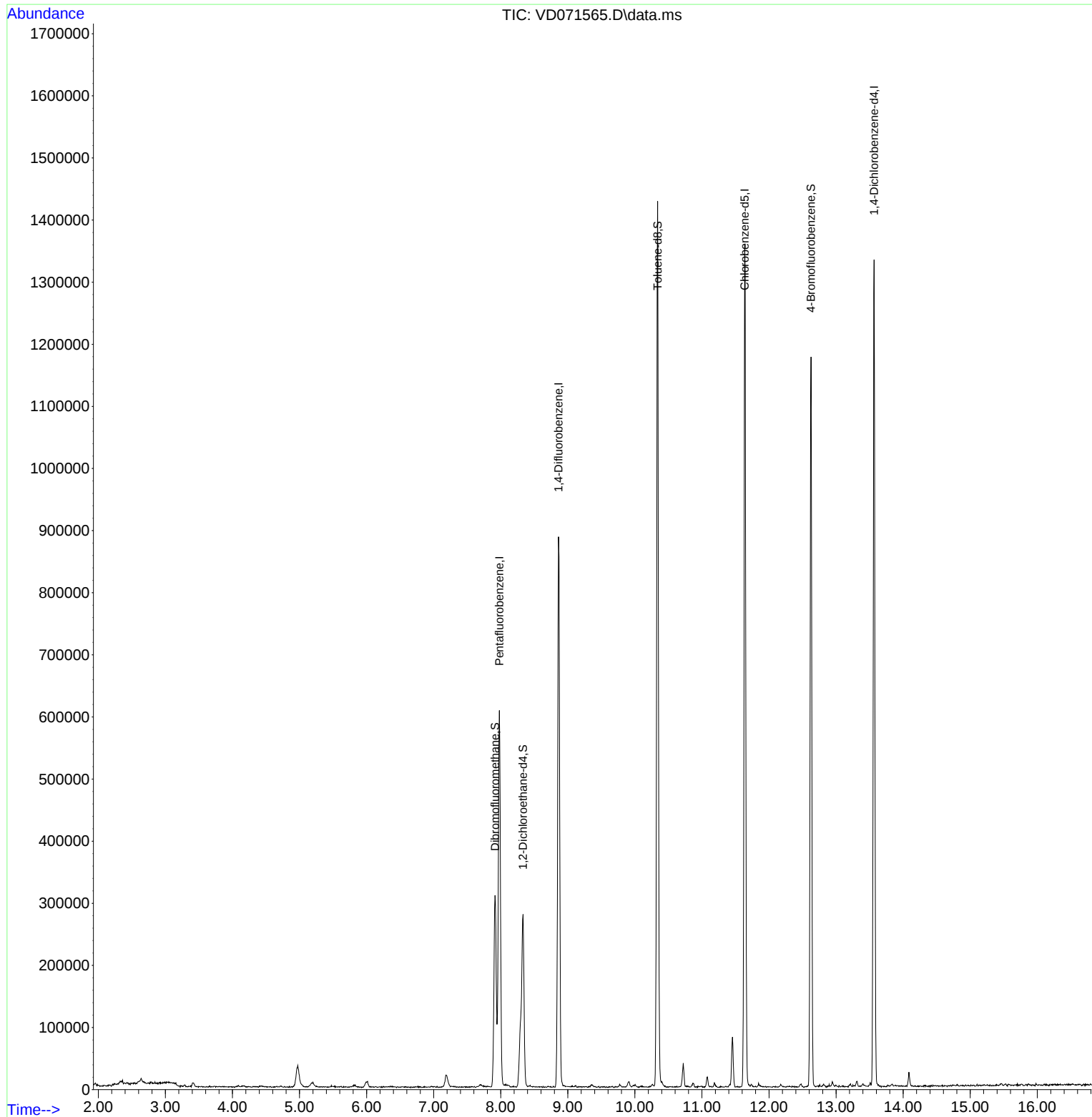
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

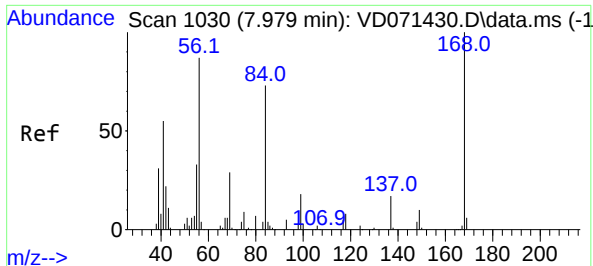
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Dec 23 08:20:24 2021  
Response via : Initial Calibration

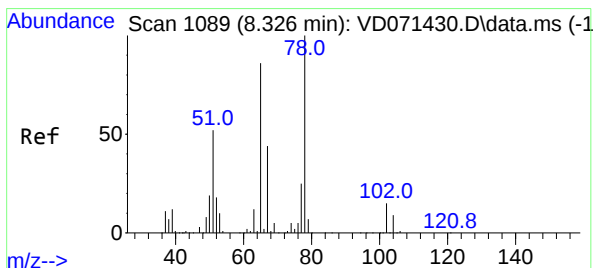
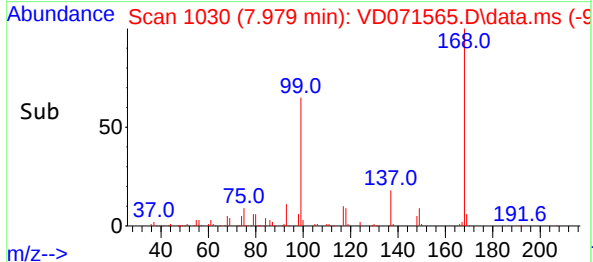
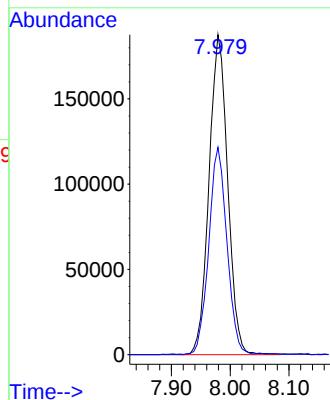
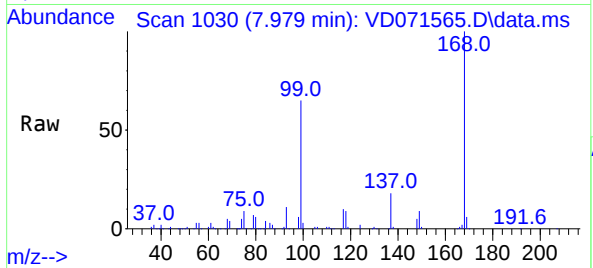




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD071565.D  
Acq: 03 Jan 2022 14:54

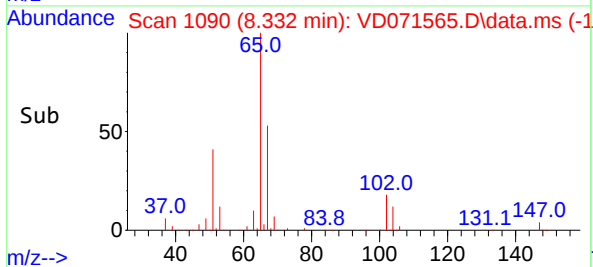
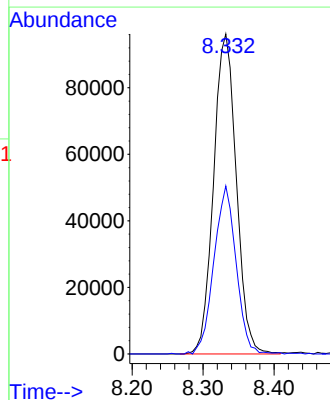
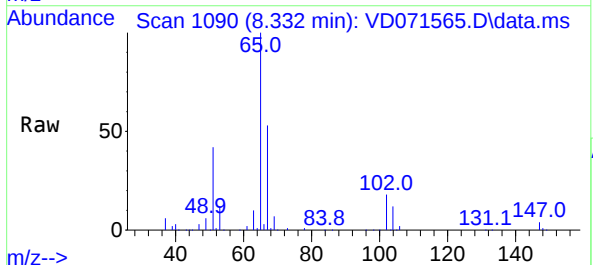
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

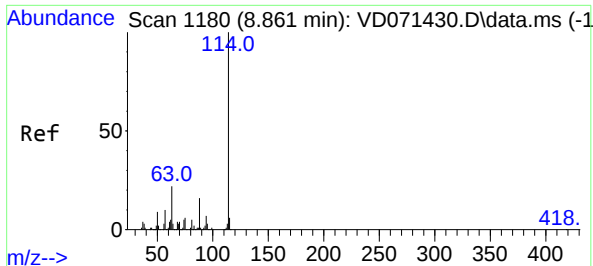
Tgt Ion:168 Resp: 413939  
Ion Ratio Lower Upper  
168 100  
99 64.6 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 38.823 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD071565.D  
Acq: 03 Jan 2022 14:54

Tgt Ion: 65 Resp: 213429  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071565.D

Acq: 03 Jan 2022 14:54

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

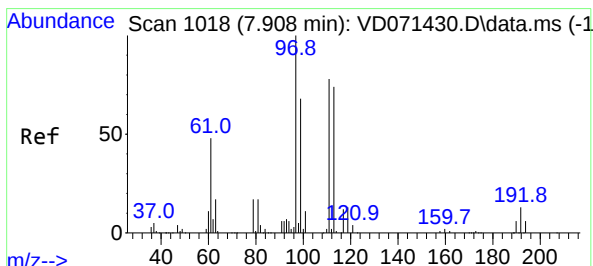
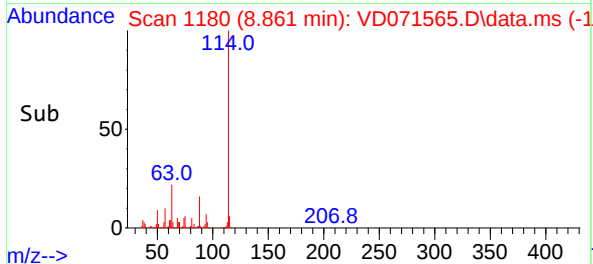
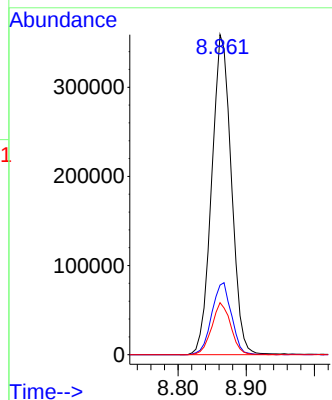
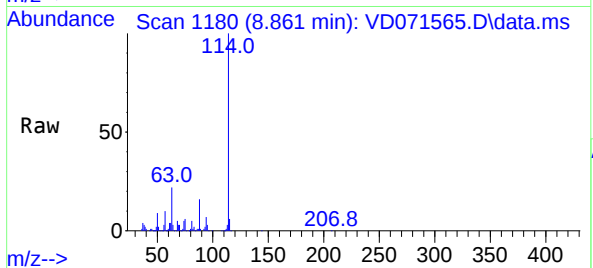
Tgt Ion:114 Resp: 719866

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.576 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071565.D

Acq: 03 Jan 2022 14:54

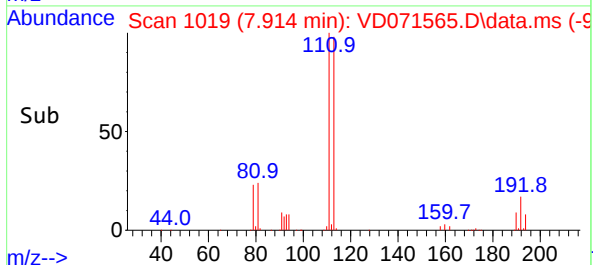
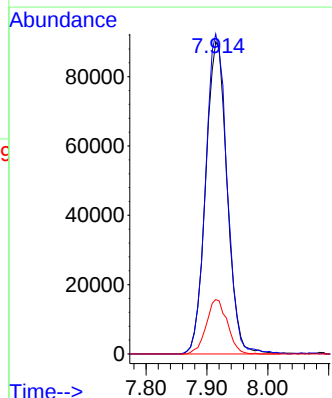
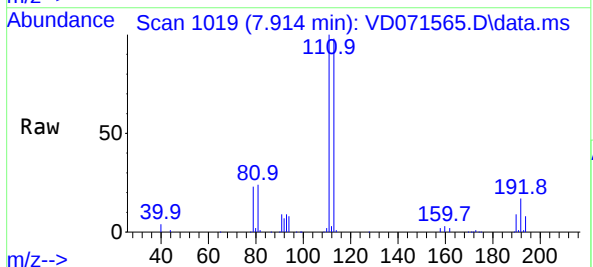
Tgt Ion:113 Resp: 220498

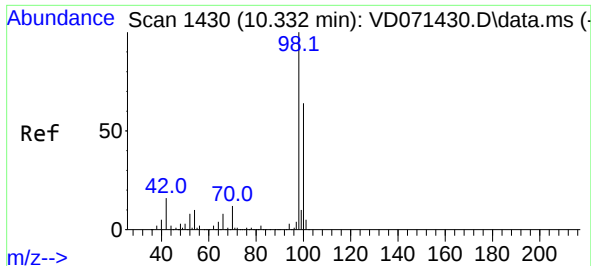
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 17.1 15.2 22.8

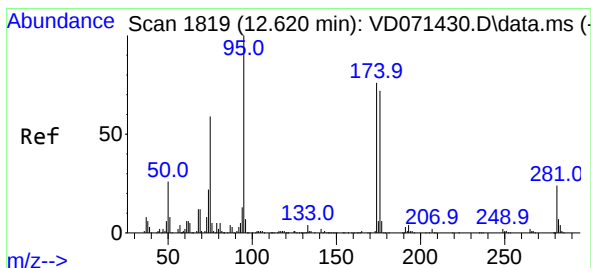
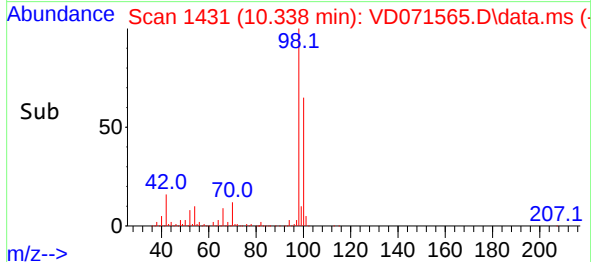
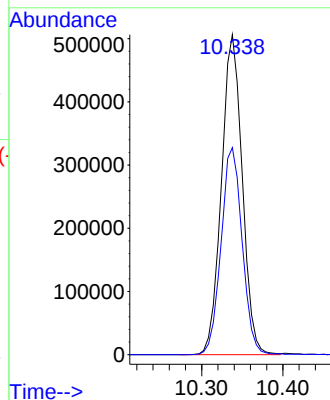
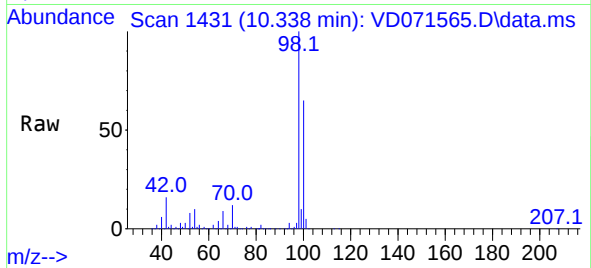




#50  
Toluene-d8  
Concen: 49.317 ug/l  
RT: 10.338 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: VD071565.D  
Acq: 03 Jan 2022 14:54

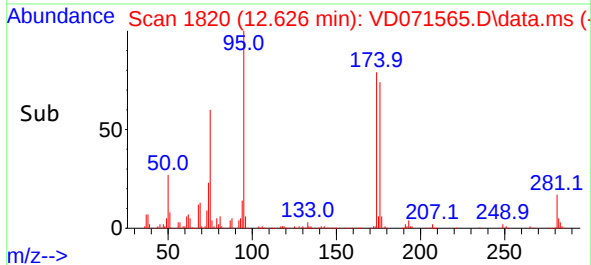
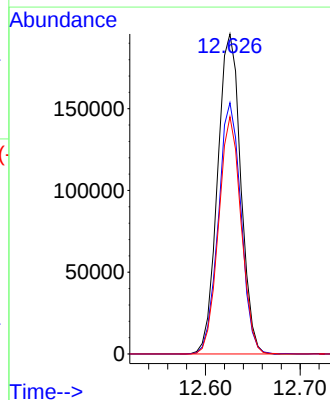
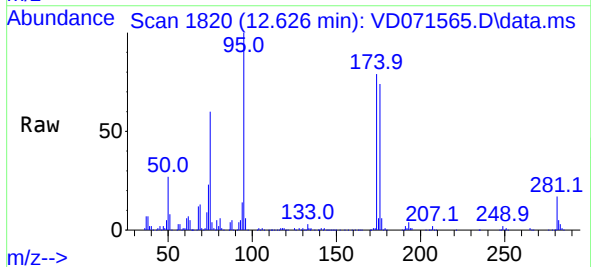
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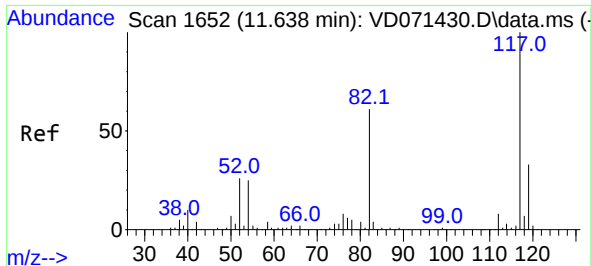
Tgt Ion: 98 Resp: 901665  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 51.182 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071565.D  
Acq: 03 Jan 2022 14:54

Tgt Ion: 95 Resp: 332524  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 159.4  
176 72.1 0.0 154.0

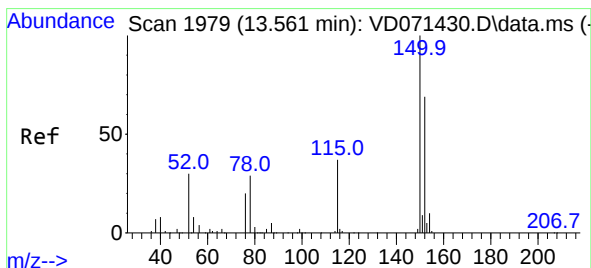
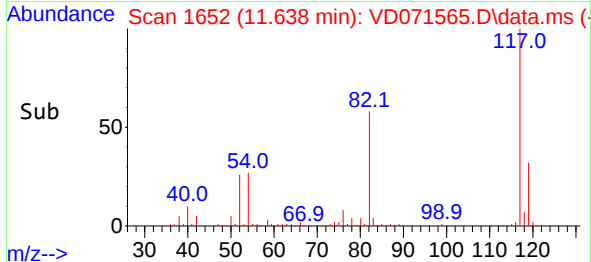
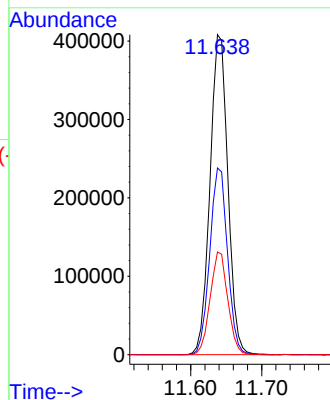
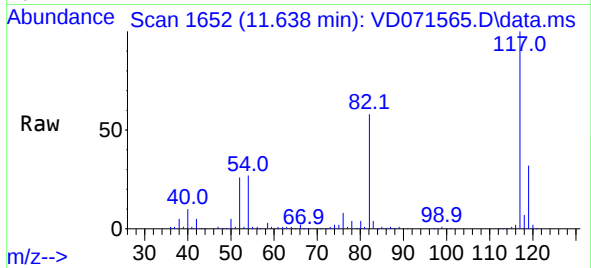




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD071565.D  
Acq: 03 Jan 2022 14:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 712320  
Ion Ratio Lower Upper  
117 100  
82 58.3 44.7 67.1  
119 32.1 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD071565.D  
Acq: 03 Jan 2022 14:54

Tgt Ion:152 Resp: 323850  
Ion Ratio Lower Upper  
152 100  
115 61.3 29.8 89.3  
150 158.1 0.0 349.2

