

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101121\  
 Data File : VD070663.D  
 Acq On : 11 Oct 2021 16:38  
 Operator : VA/SY  
 Sample : M4117-07  
 Misc : 4.65G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-3(1.5-2.0)

Quant Time: Oct 12 05:41:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100521S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 06 09:10:31 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 380977   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 738510   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 691448   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 281637   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 227519   | 50.75    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 101.50%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 242074   | 49.30    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 98.60%   |
| 50) Toluene-d8              | 10.332 | 98    | 948793   | 50.55    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 101.10%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 295290   | 47.07    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 94.14%   |

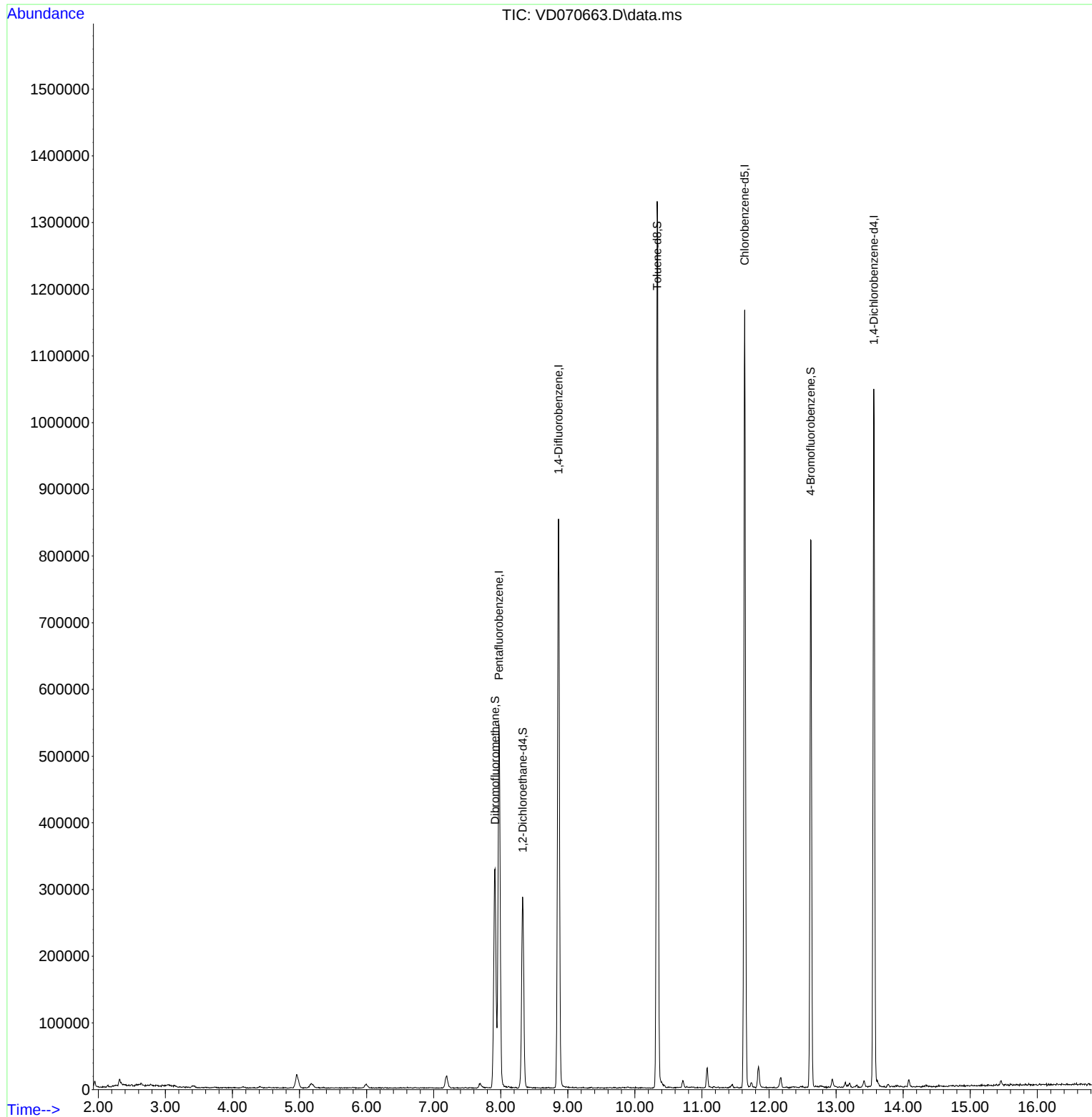
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

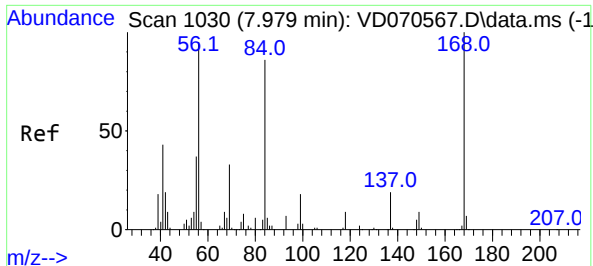
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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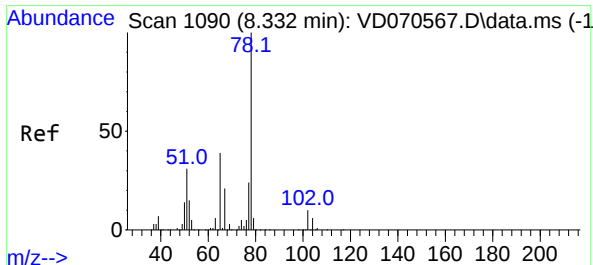
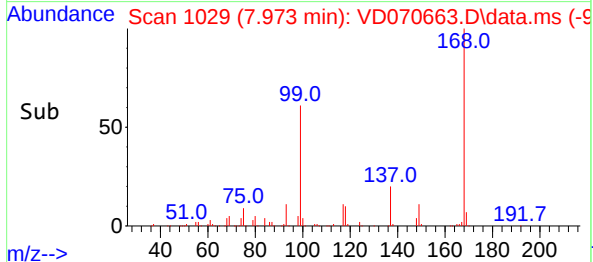
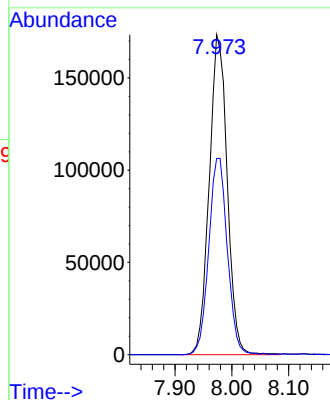
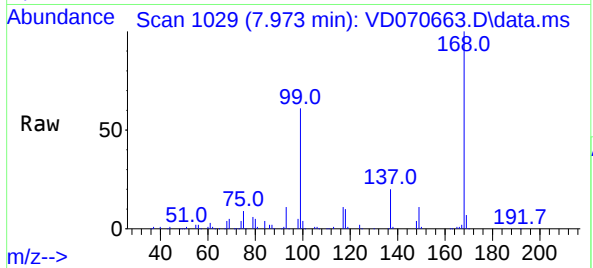




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD070663.D  
Acq: 11 Oct 2021 16:38

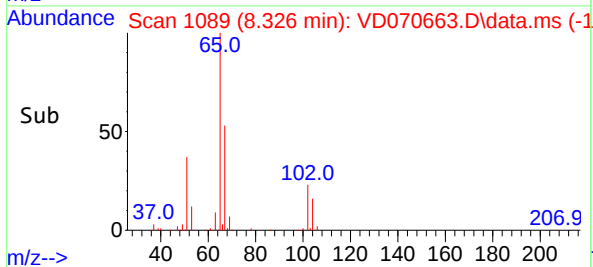
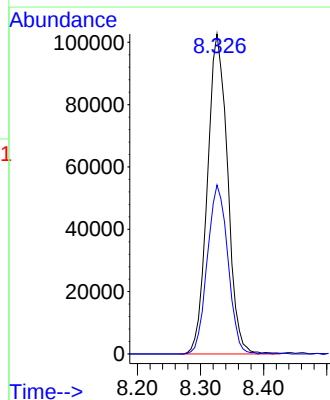
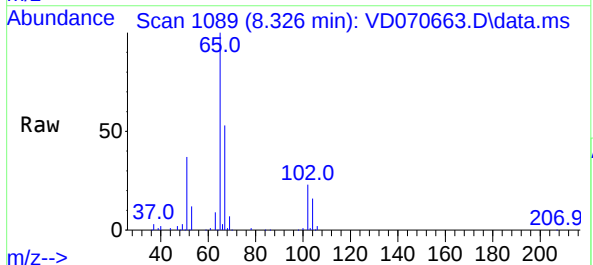
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-3(1.5-2.0)

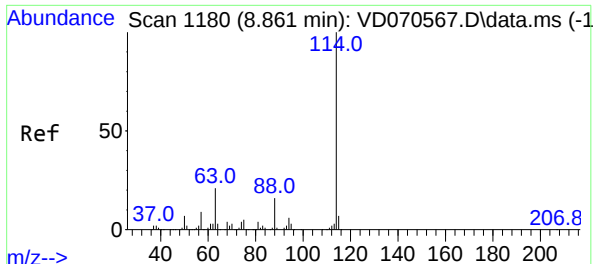
Tgt Ion:168 Resp: 380977  
Ion Ratio Lower Upper  
168 100  
99 61.4 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 50.75 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD070663.D  
Acq: 11 Oct 2021 16:38

Tgt Ion: 65 Resp: 227519  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 110.2



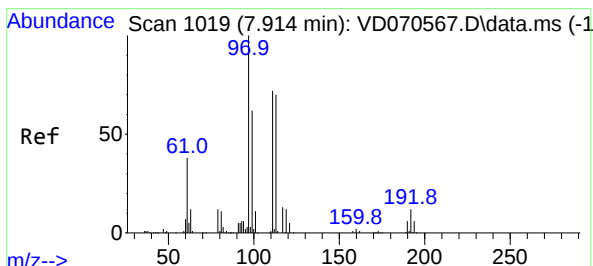
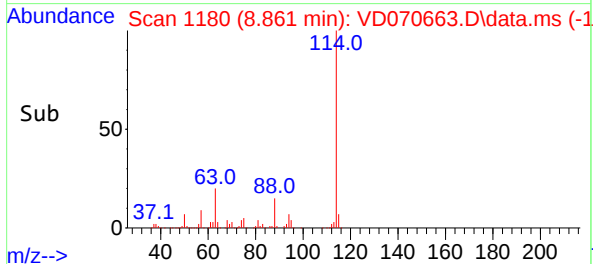
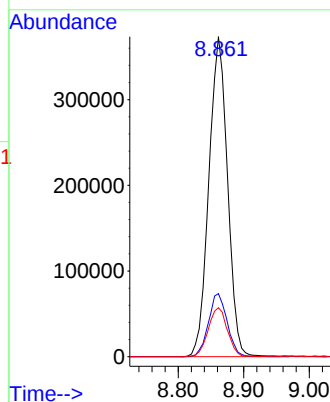
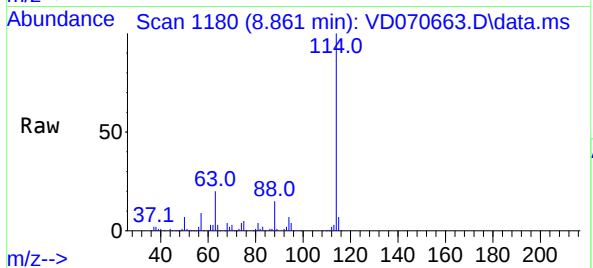


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070663.D  
Acq: 11 Oct 2021 16:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-3(1.5-2.0)

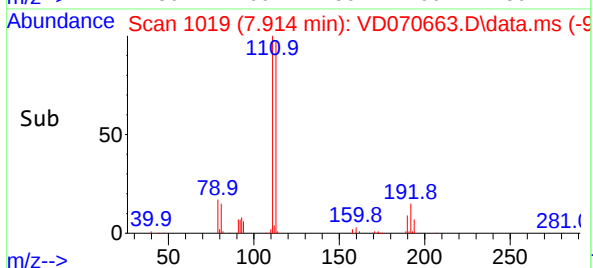
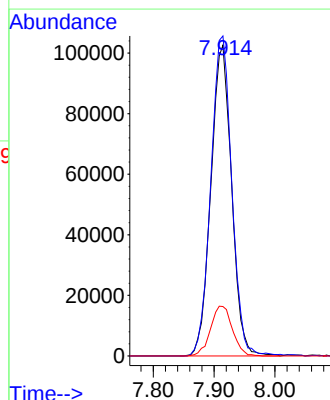
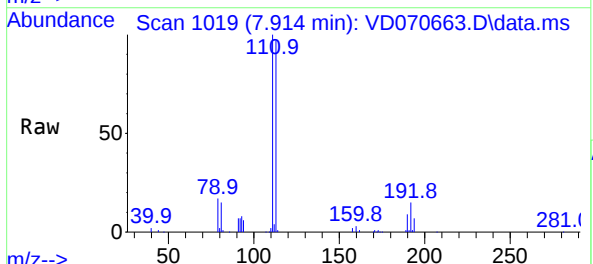
Tgt Ion:114 Resp: 738510  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 41.8  
88 15.3 0.0 32.6

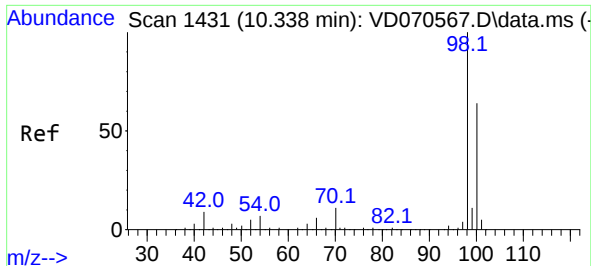


#35

Dibromofluoromethane  
Concen: 49.30 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD070663.D  
Acq: 11 Oct 2021 16:38

Tgt Ion:113 Resp: 242074  
Ion Ratio Lower Upper  
113 100  
111 104.4 83.1 124.7  
192 16.9 12.7 19.1

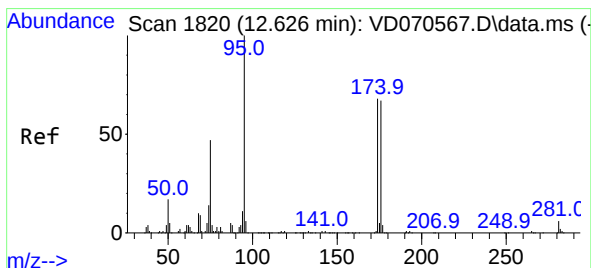
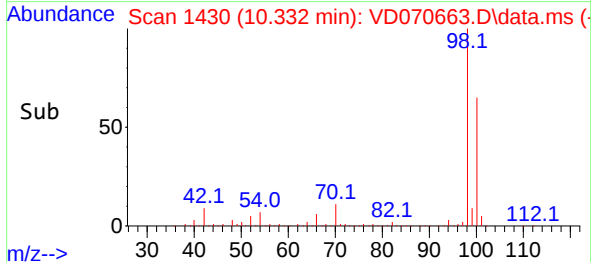
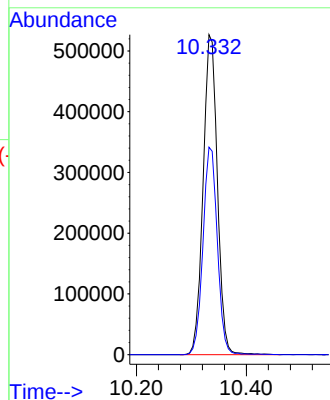
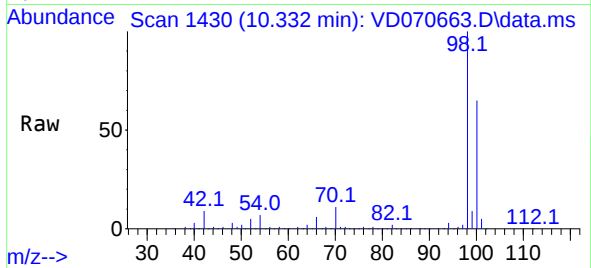




#50  
Toluene-d8  
Concen: 50.55 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD070663.D  
Acq: 11 Oct 2021 16:38

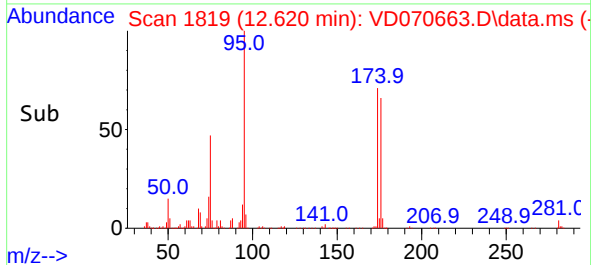
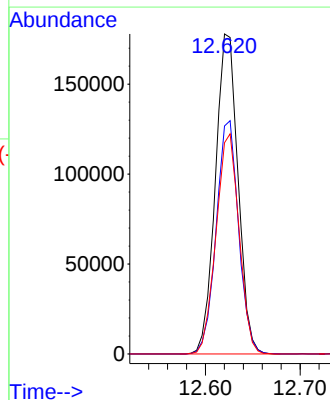
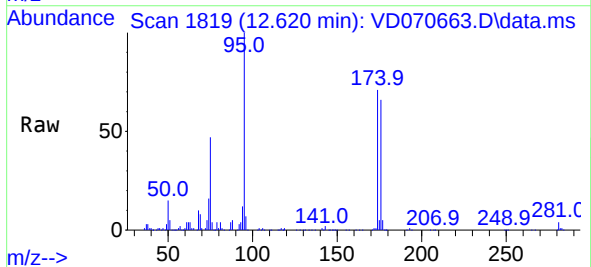
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-3(1.5-2.0)

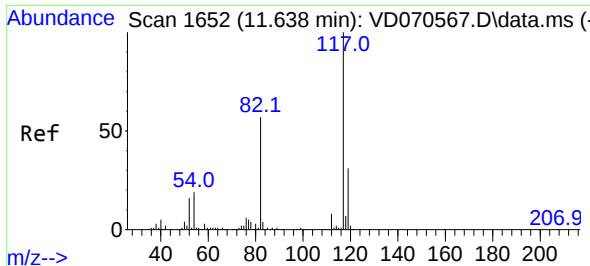
Tgt Ion: 98 Resp: 948793  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 47.07 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070663.D  
Acq: 11 Oct 2021 16:38

Tgt Ion: 95 Resp: 295290  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 138.0  
176 69.8 0.0 135.6



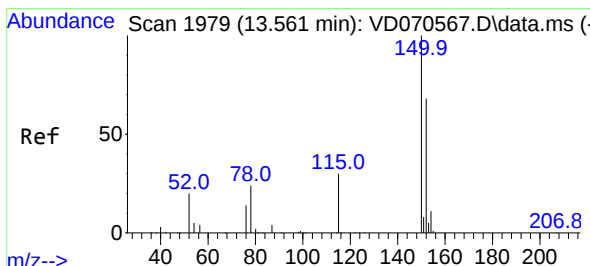
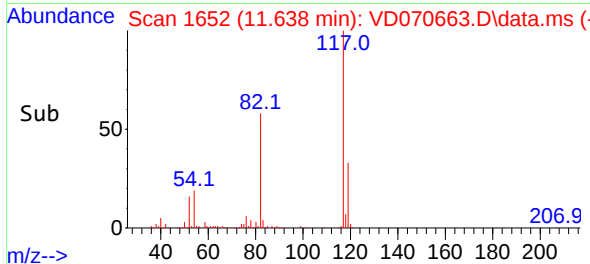
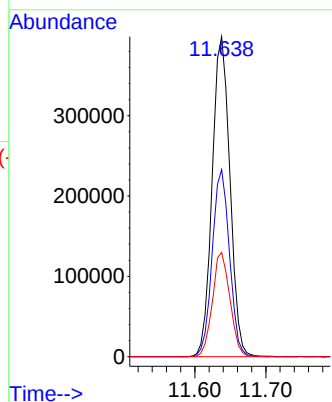
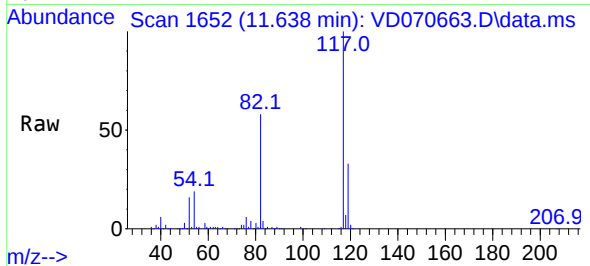


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070663.D  
Acq: 11 Oct 2021 16:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-3(1.5-2.0)

Tgt Ion:117 Resp: 691448

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 58.4  | 45.4  | 68.2  |
| 119 | 32.6  | 24.7  | 37.1  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD070663.D  
Acq: 11 Oct 2021 16:38

Tgt Ion:152 Resp: 281637

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 63.3  | 31.9  | 95.7  |
| 150 | 157.8 | 0.0   | 350.0 |

