

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102221\  
 Data File : VD070824.D  
 Acq On : 22 Oct 2021 14:48  
 Operator : VA/SY  
 Sample : M4290-04  
 Misc : 4.87G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TH-BS

Quant Time: Oct 23 04:11:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 18 08:32:03 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 419161   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 756026   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 733822   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 317582   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 302327   | 60.896   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 121.800% |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 266688   | 55.091   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.180% |          |
| 50) Toluene-d8              | 10.332 | 98    | 1003627  | 54.084   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.160% |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 326995   | 51.176   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 102.360% |          |

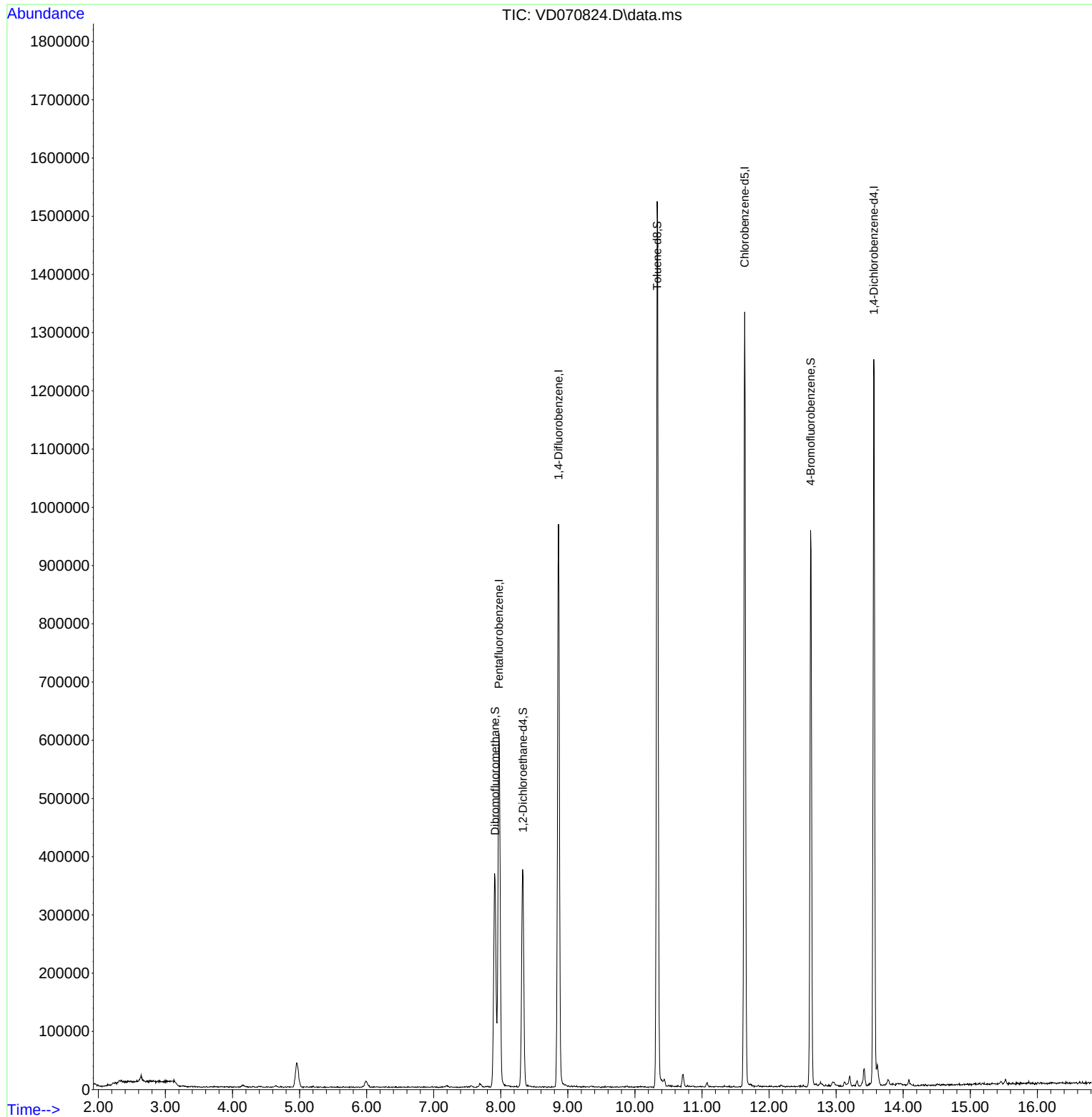
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

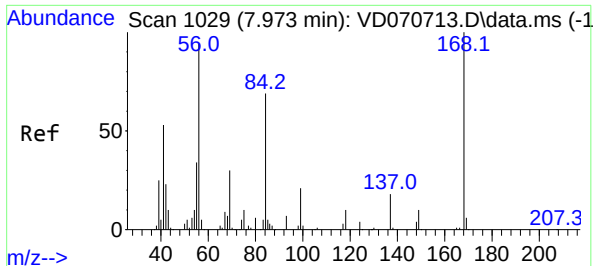
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
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Quant Time: Oct 23 04:11:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 18 08:32:03 2021  
Response via : Initial Calibration

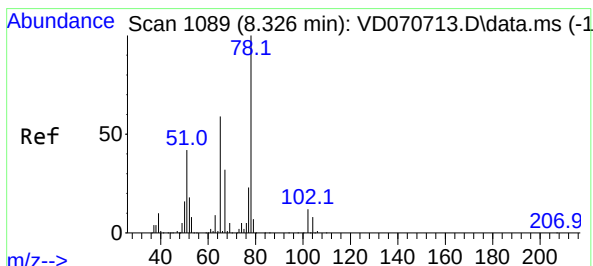
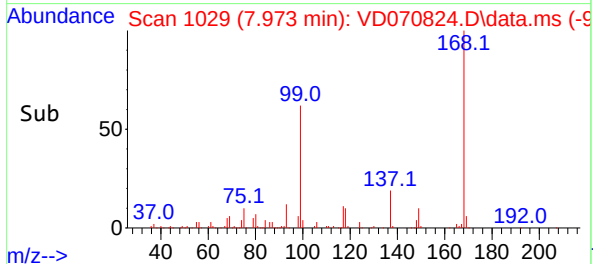
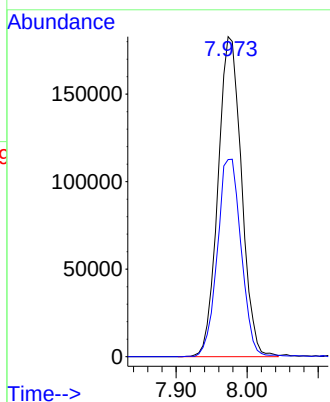
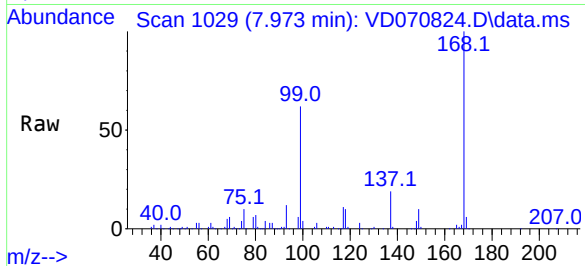




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD070824.D  
Acq: 22 Oct 2021 14:48

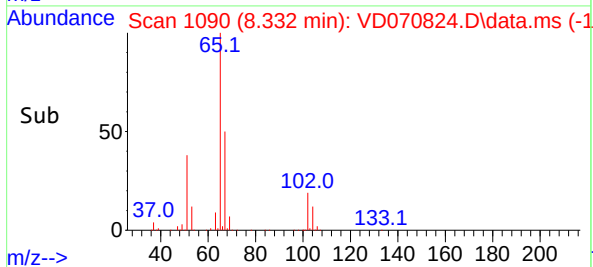
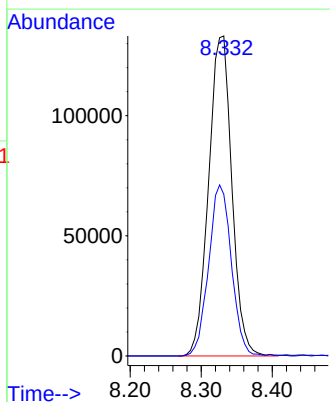
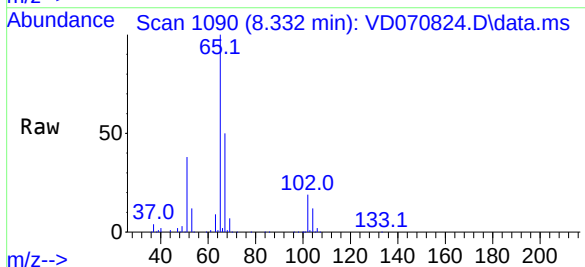
Instrument :  
MSVOA\_D  
ClientSampled :  
TH-BS

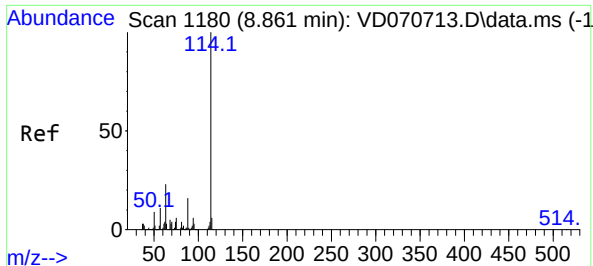
Tgt Ion:168 Resp: 419161  
Ion Ratio Lower Upper  
168 100  
99 61.6 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 60.896 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD070824.D  
Acq: 22 Oct 2021 14:48

Tgt Ion: 65 Resp: 302327  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 110.2



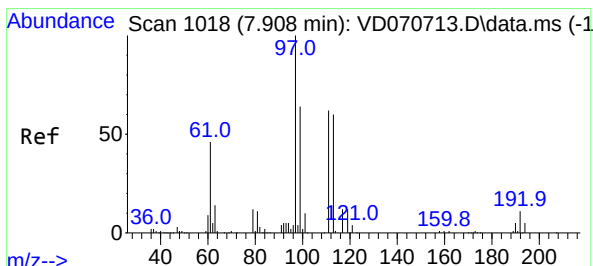
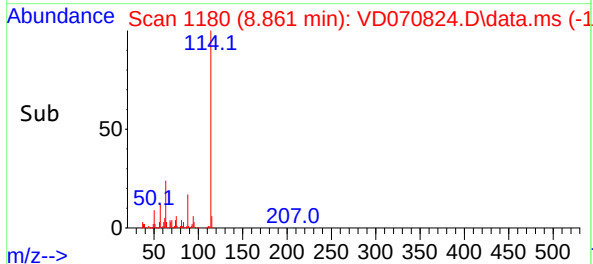
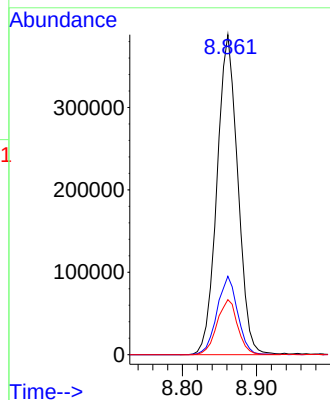
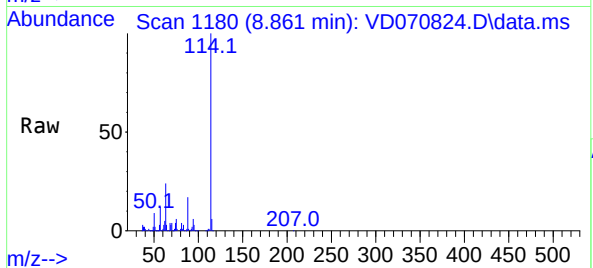


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070824.D  
Acq: 22 Oct 2021 14:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
TH-BS

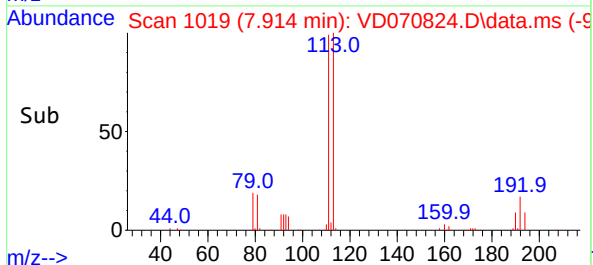
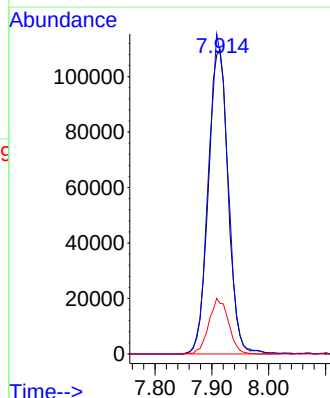
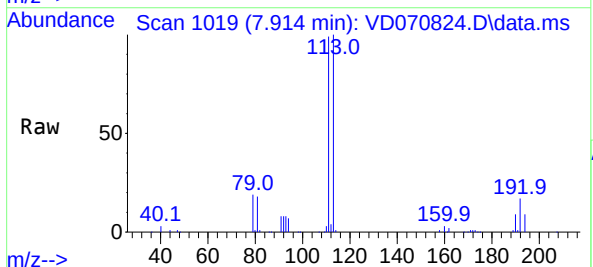
Tgt Ion:114 Resp: 756026  
Ion Ratio Lower Upper  
114 100  
63 24.5 0.0 41.8  
88 17.2 0.0 32.6

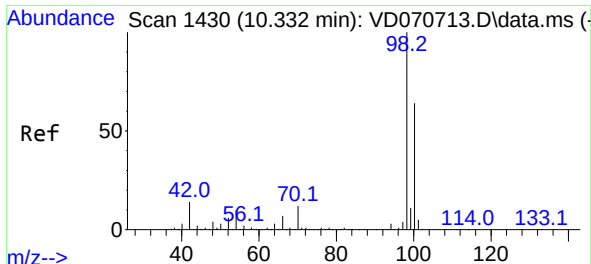


#35

Dibromofluoromethane  
Concen: 55.091 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VD070824.D  
Acq: 22 Oct 2021 14:48

Tgt Ion:113 Resp: 266688  
Ion Ratio Lower Upper  
113 100  
111 102.4 83.1 124.7  
192 18.0 12.7 19.1

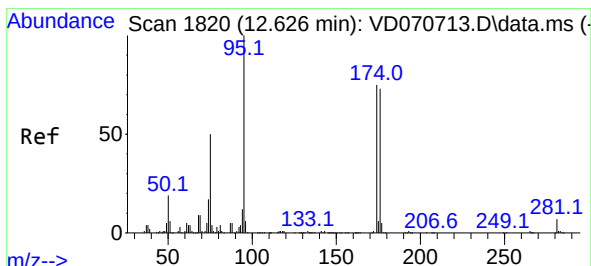
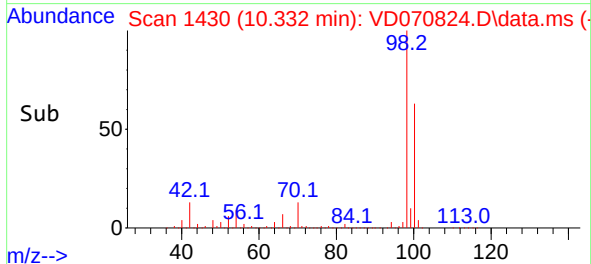
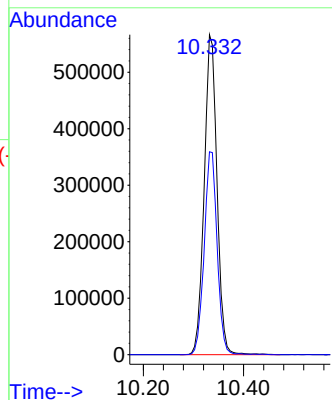
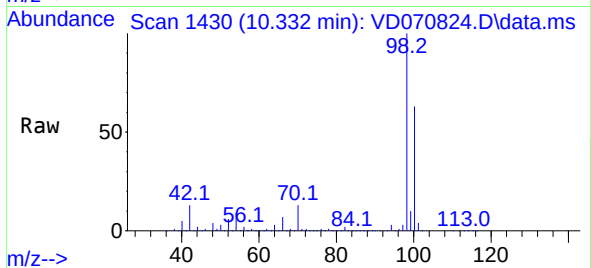




#50  
Toluene-d8  
Concen: 54.084 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD070824.D  
Acq: 22 Oct 2021 14:48

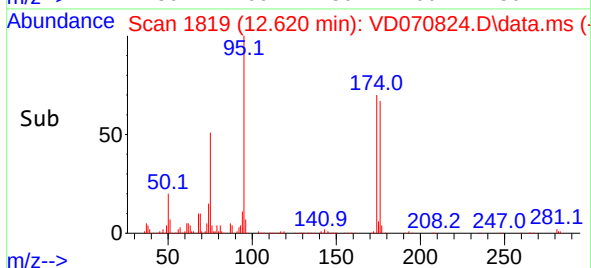
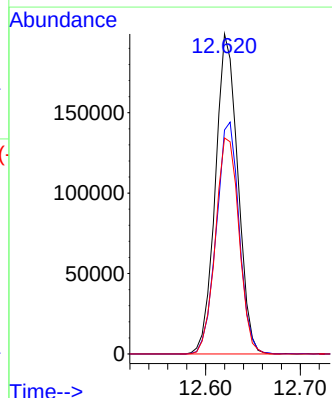
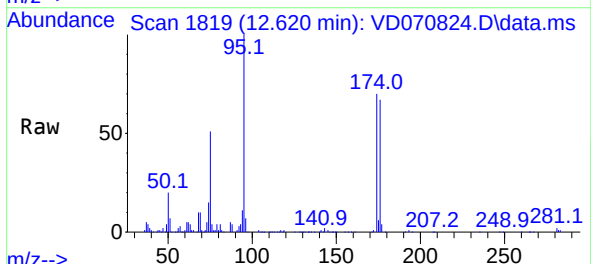
Instrument :  
MSVOA\_D  
ClientSampled :  
TH-BS

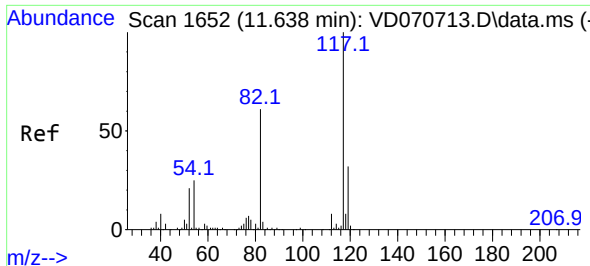
Tgt Ion: 98 Resp: 1003627  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 51.176 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070824.D  
Acq: 22 Oct 2021 14:48

Tgt Ion: 95 Resp: 326995  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 138.0  
176 70.7 0.0 135.6

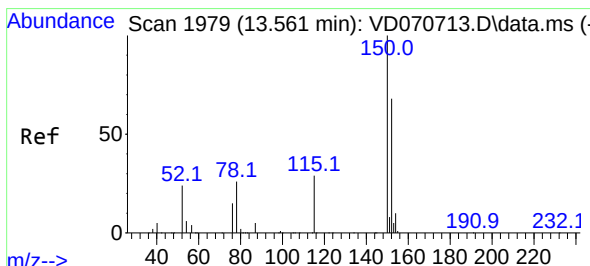
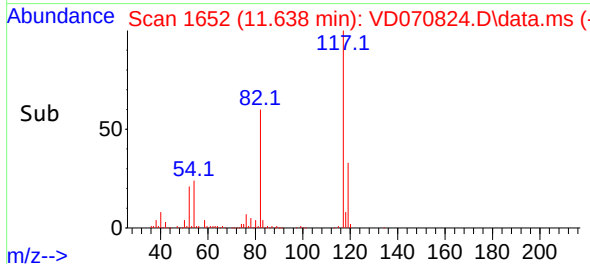
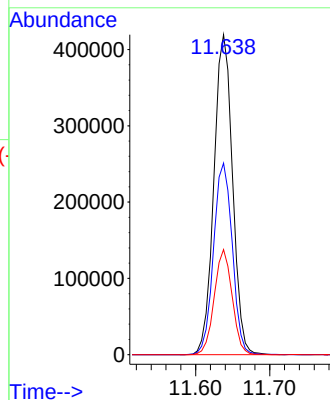
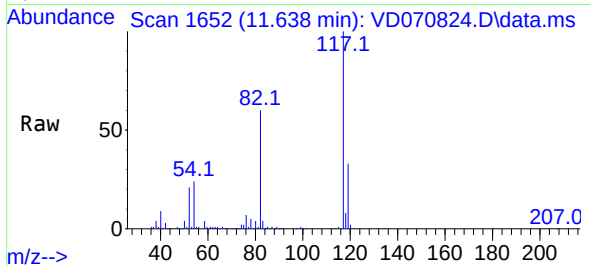




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070824.D  
Acq: 22 Oct 2021 14:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
TH-BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 733822 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 59.9  | 45.4  | 68.2   |
| 119      | 32.9  | 24.7  | 37.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD070824.D  
Acq: 22 Oct 2021 14:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 317582 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 61.7  | 31.9  | 95.7   |
| 150      | 156.4 | 0.0   | 350.0  |

