

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081721\  
 Data File : VD070093.D  
 Acq On : 17 Aug 2021 17:35  
 Operator : VA/SY  
 Sample : M3412-01  
 Misc : 5.76G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PG-1

Quant Time: Aug 18 03:07:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 500163   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 1035654  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 974834   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 372131   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 375836   | 63.888   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 127.780% |
| 35) Dibromofluoromethane    | 7.909  | 113   | 357098   | 53.370   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.740% |
| 50) Toluene-d8              | 10.338 | 98    | 1340867  | 51.524   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.040% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 398614   | 46.503   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 93.000%  |

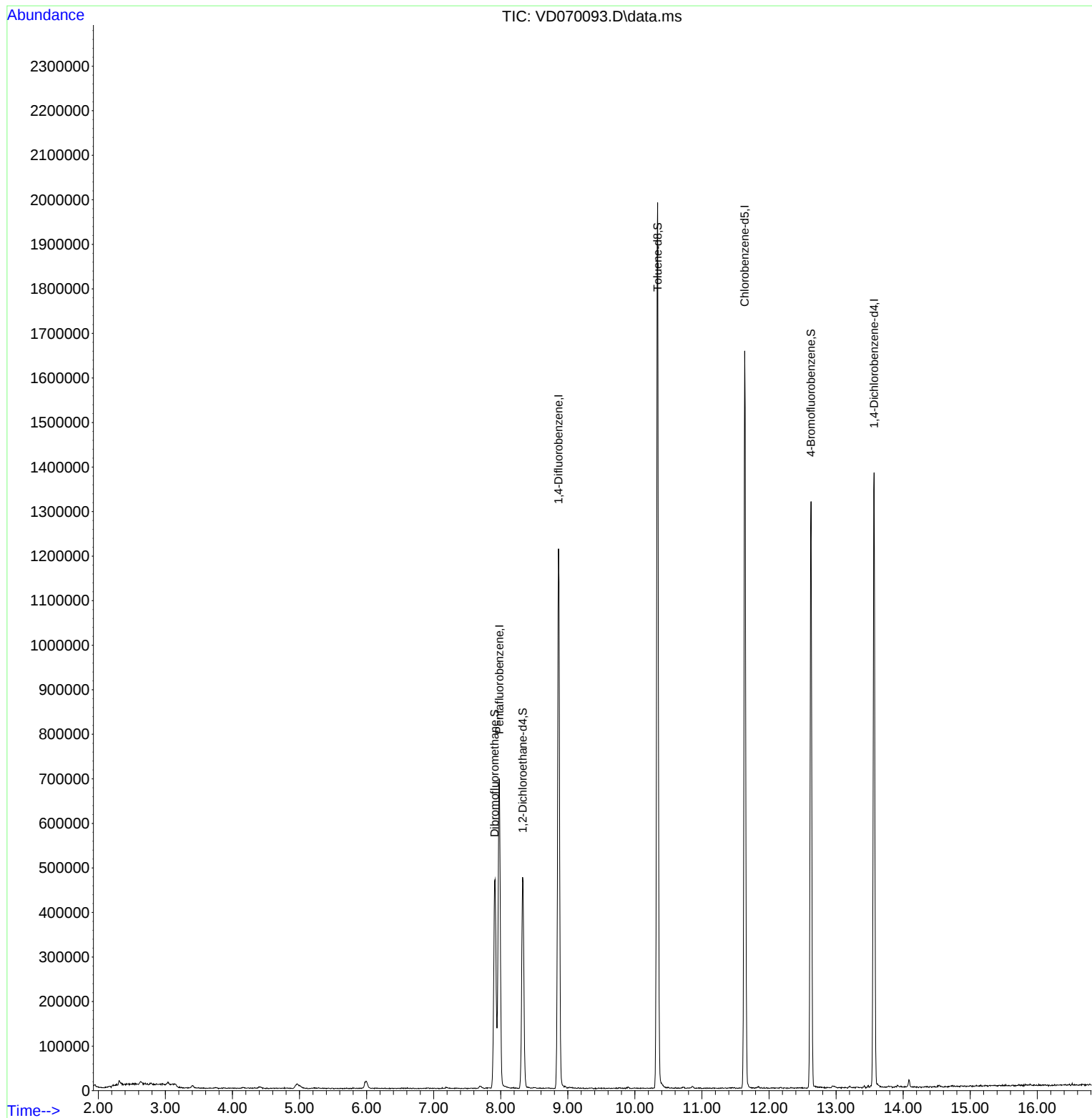
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

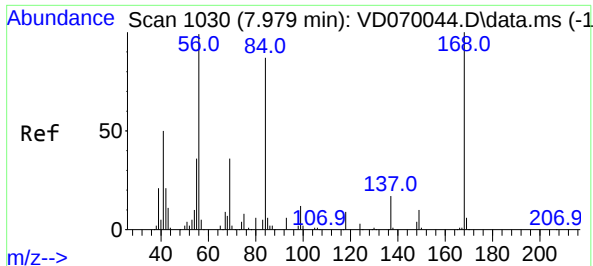
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081721\  
Data File : VD070093.D  
Acq On : 17 Aug 2021 17:35  
Operator : VA/SY  
Sample : M3412-01  
Misc : 5.76G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
PG-1

Quant Time: Aug 18 03:07:39 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration

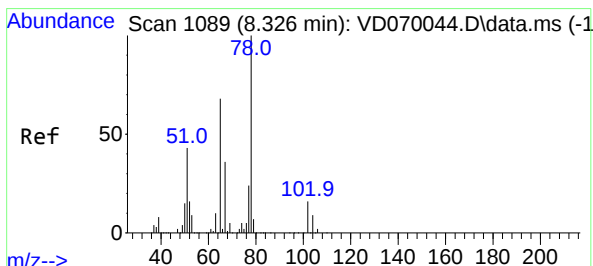
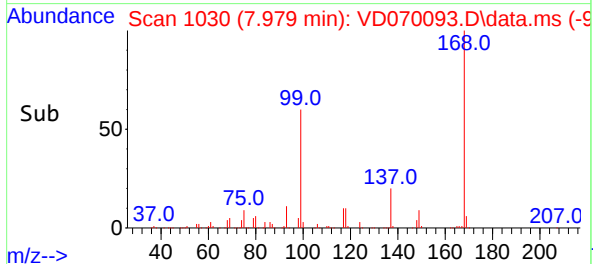
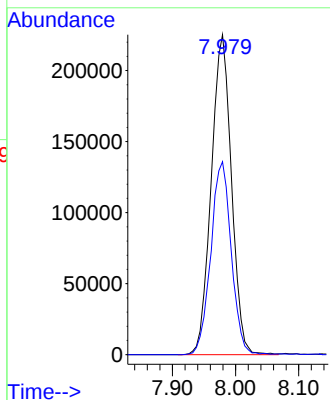
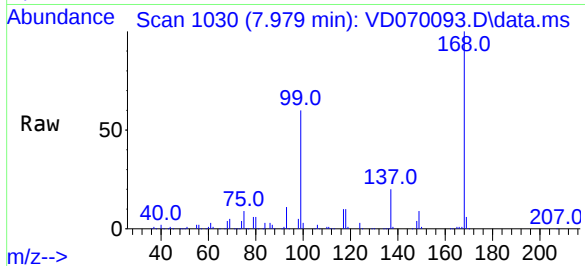




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070093.D  
Acq: 17 Aug 2021 17:35

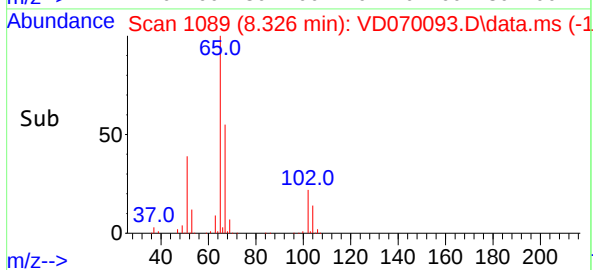
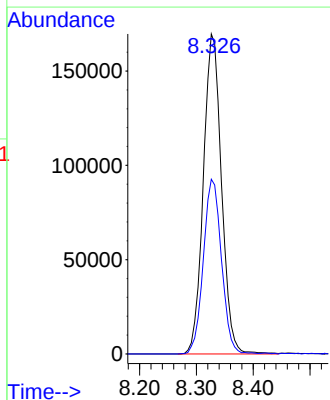
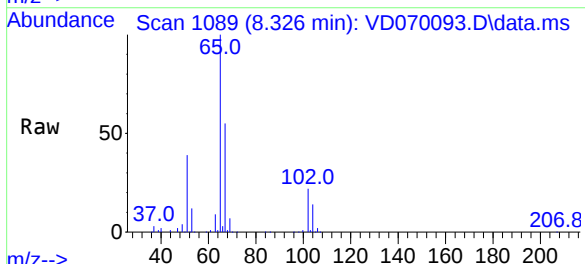
Instrument :  
MSVOA\_D  
ClientSampleId :  
PG-1

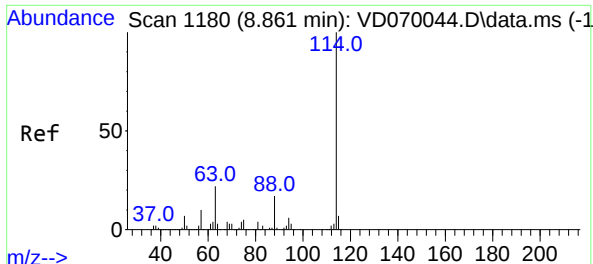
Tgt Ion:168 Resp: 500163  
Ion Ratio Lower Upper  
168 100  
99 60.3 50.3 75.5



#33  
1,2-Dichloroethane-d4  
Concen: 63.888 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070093.D  
Acq: 17 Aug 2021 17:35

Tgt Ion: 65 Resp: 375836  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 107.8



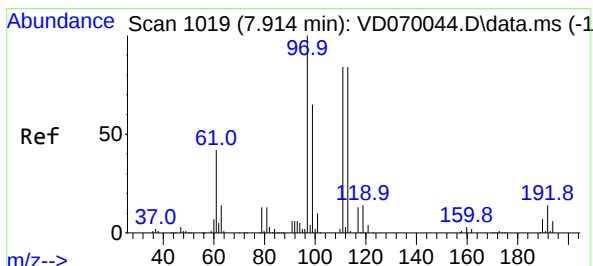
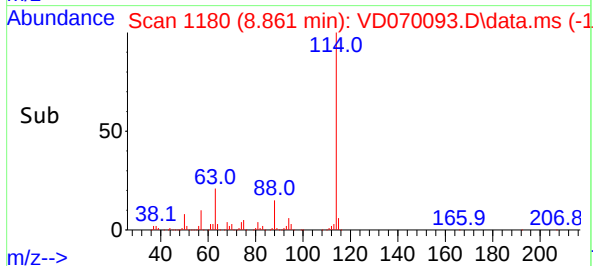
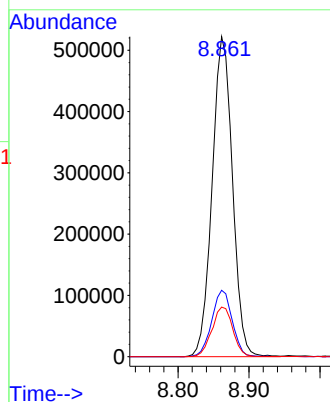
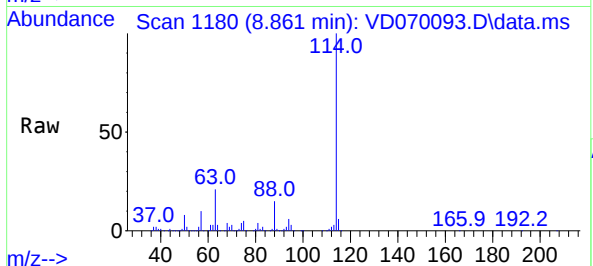


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070093.D  
Acq: 17 Aug 2021 17:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
PG-1

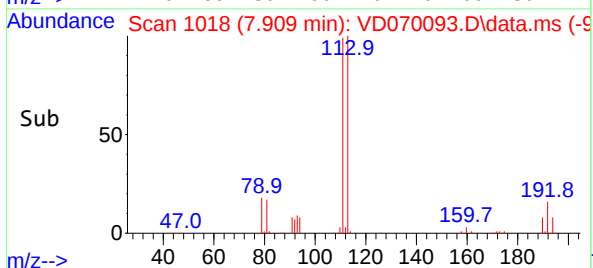
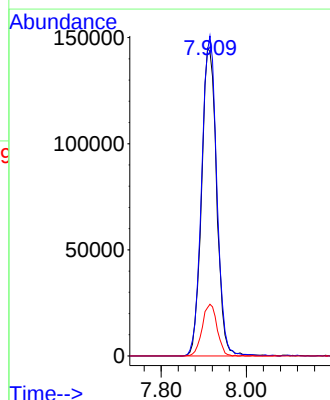
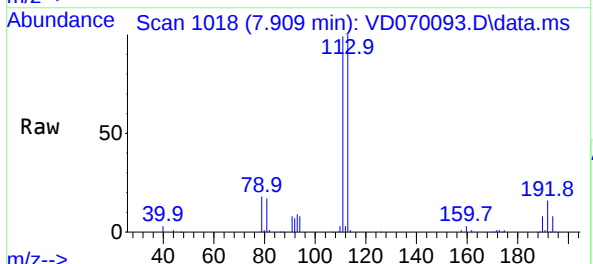
Tgt Ion:114 Resp: 1035654  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 43.6  
88 15.5 0.0 33.4

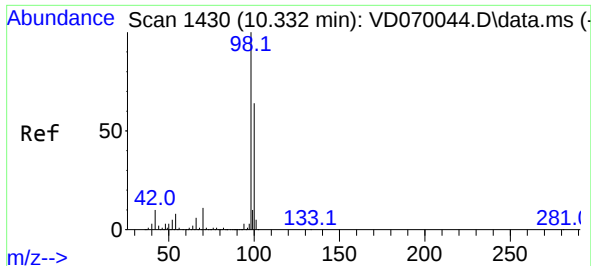


#35

Dibromofluoromethane  
Concen: 53.370 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD070093.D  
Acq: 17 Aug 2021 17:35

Tgt Ion:113 Resp: 357098  
Ion Ratio Lower Upper  
113 100  
111 104.0 81.8 122.6  
192 16.6 13.2 19.8

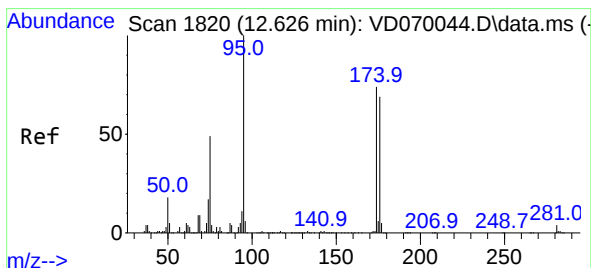
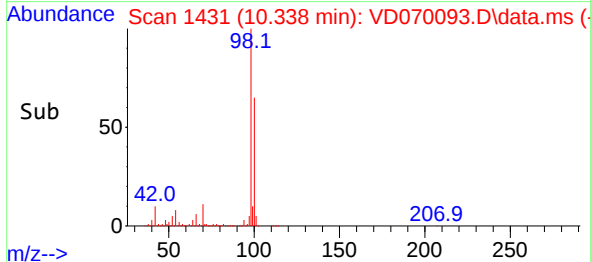
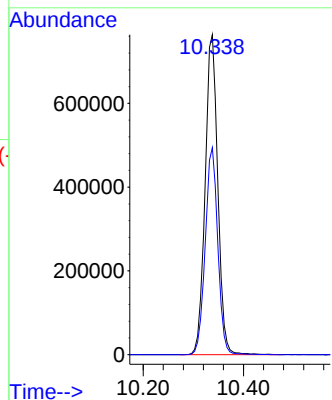
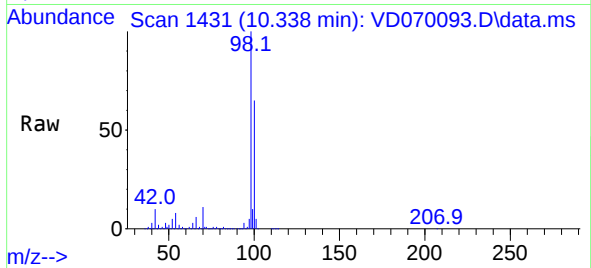




#50  
Toluene-d8  
Concen: 51.524 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070093.D  
Acq: 17 Aug 2021 17:35

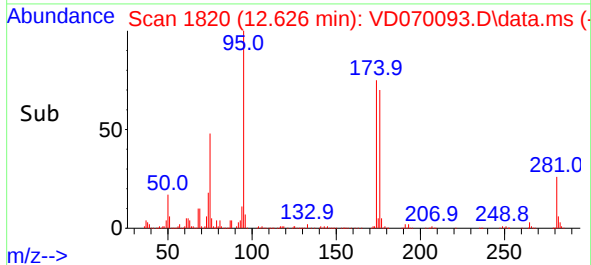
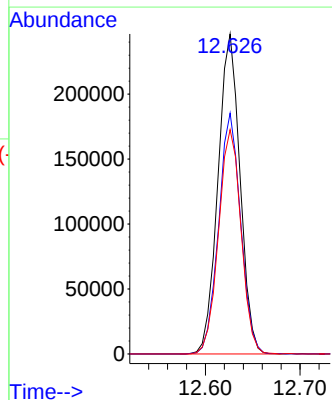
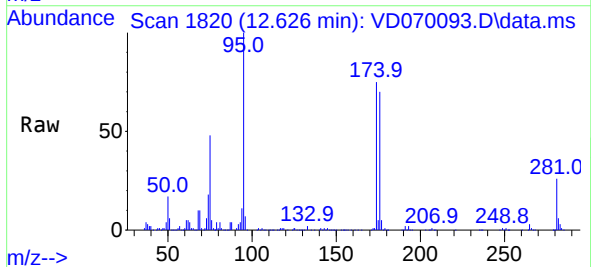
Instrument :  
MSVOA\_D  
ClientSampleId :  
PG-1

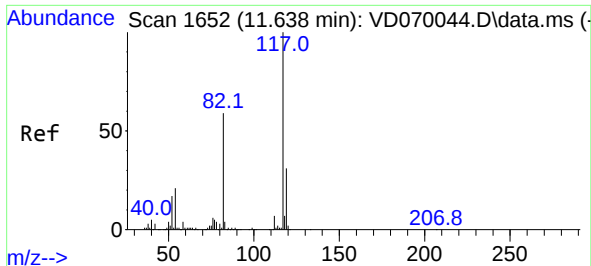
Tgt Ion: 98 Resp: 1340867  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 46.503 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070093.D  
Acq: 17 Aug 2021 17:35

Tgt Ion: 95 Resp: 398614  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 141.6  
176 71.4 0.0 138.2

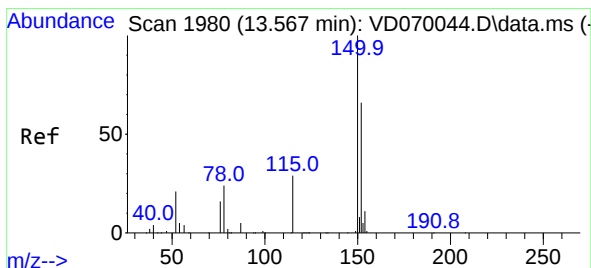
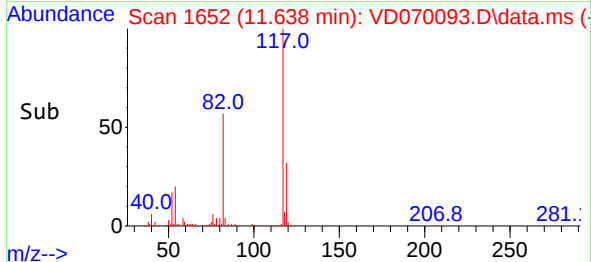
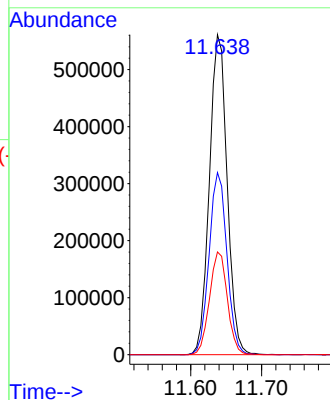
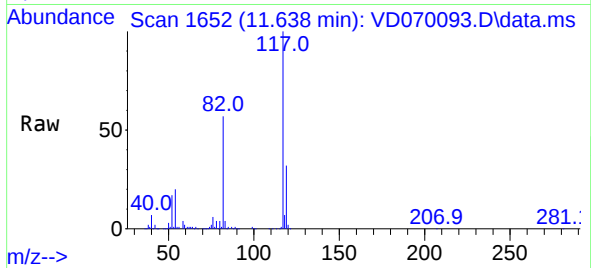




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070093.D  
Acq: 17 Aug 2021 17:35

Instrument :  
MSVOA\_D  
ClientSampled :  
PG-1

Tgt Ion:117 Resp: 974834  
Ion Ratio Lower Upper  
117 100  
82 56.9 47.5 71.3  
119 32.1 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD070093.D  
Acq: 17 Aug 2021 17:35

Tgt Ion:152 Resp: 372131  
Ion Ratio Lower Upper  
152 100  
115 61.5 31.2 93.6  
150 159.3 0.0 352.0

