

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD083121\  
 Data File : VD070280.D  
 Acq On : 31 Aug 2021 15:28  
 Operator : VA/SY  
 Sample : M3605-04  
 Misc : 4.54G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PP-1

Quant Time: Sep 01 03:58:53 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   | 77909    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 150922   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 170884   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 85543    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 77653    | 84.743   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 169.480%# |          |
| 35) Dibromofluoromethane    | 7.908  | 113   | 59255    | 60.771   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 121.540%  |          |
| 50) Toluene-d8              | 10.338 | 98    | 197988   | 52.206   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 104.420%  |          |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 82521    | 66.063   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 132.120%  |          |

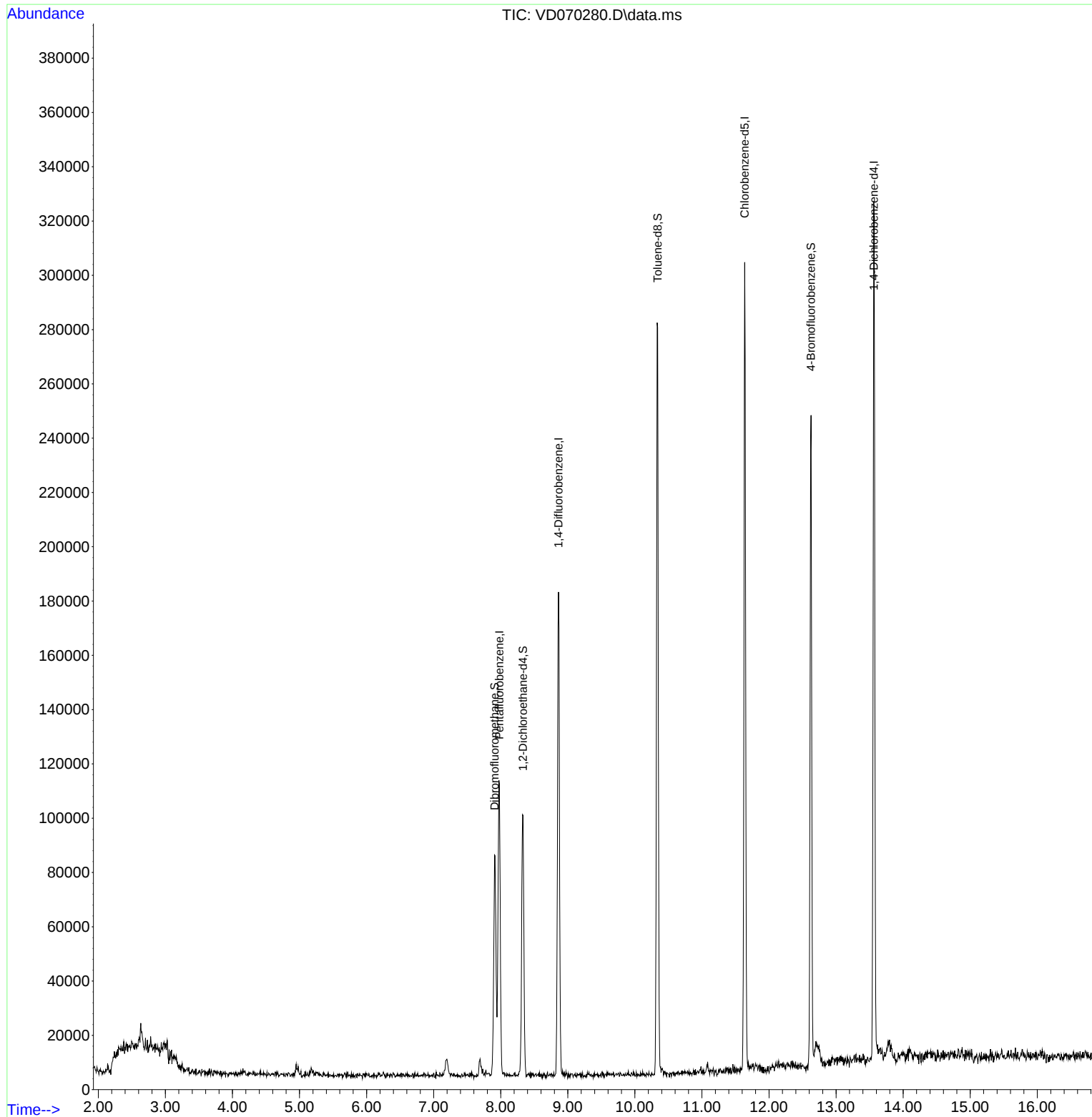
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

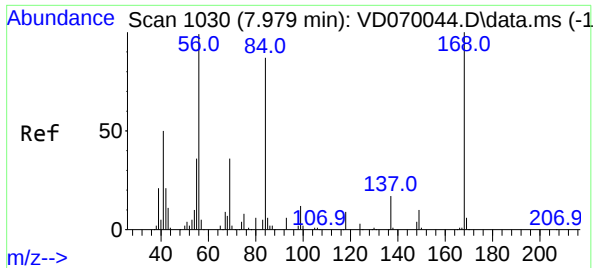
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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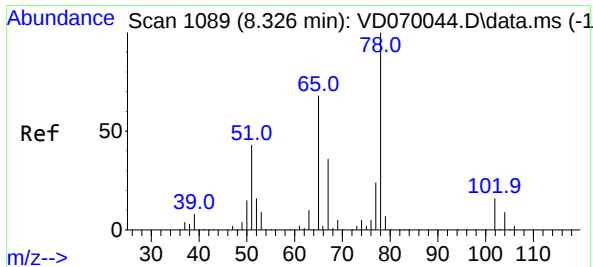
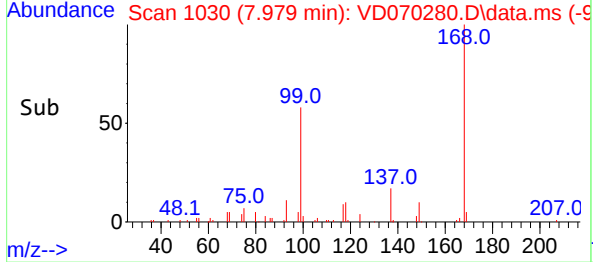
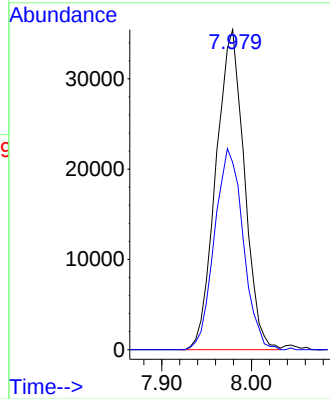
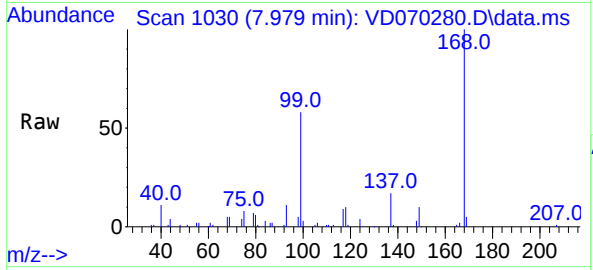




Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.979 min Scan# 1030  
 Delta R.T. 0.000 min  
 Lab File: VD070280.D  
 Acq: 31 Aug 2021 15:28

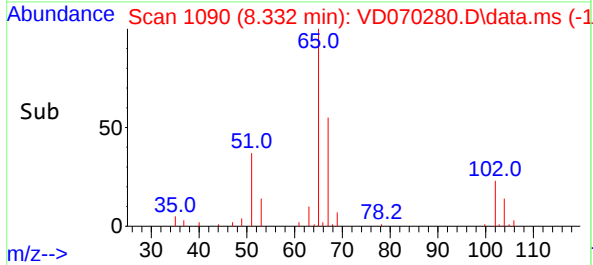
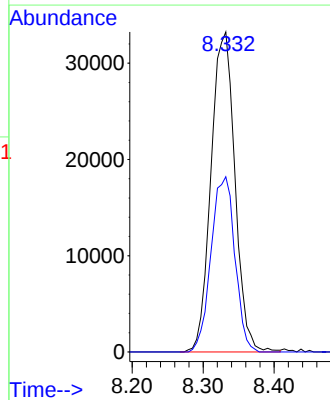
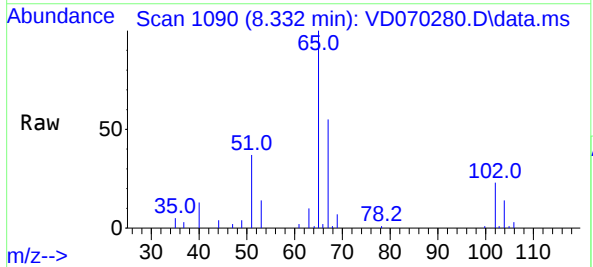
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 PP-1

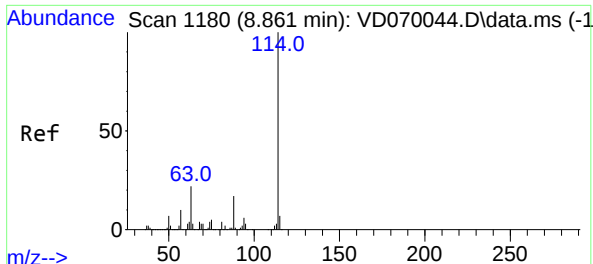
Tgt Ion:168 Resp: 77909  
 Ion Ratio Lower Upper  
 168 100  
 99 58.5 50.3 75.5



1,2-Dichloroethane-d4  
 Concen: 84.743 ug/l  
 RT: 8.332 min Scan# 1090  
 Delta R.T. 0.006 min  
 Lab File: VD070280.D  
 Acq: 31 Aug 2021 15:28

Tgt Ion: 65 Resp: 77653  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 107.8



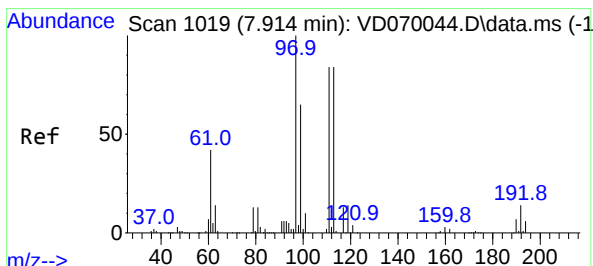
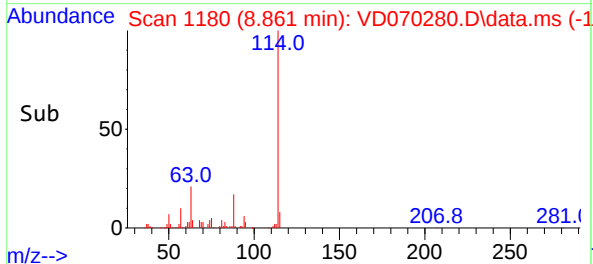
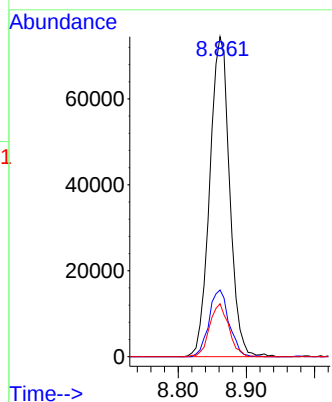
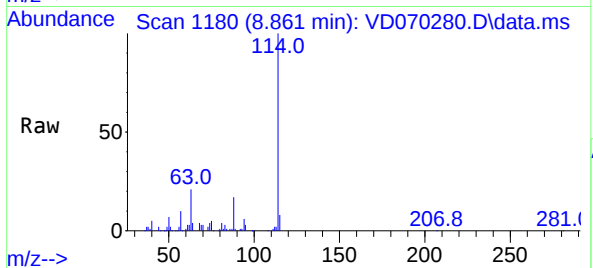


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070280.D  
Acq: 31 Aug 2021 15:28

Instrument :  
MSVOA\_D  
ClientSampled :  
PP-1

Tgt Ion:114 Resp: 150922

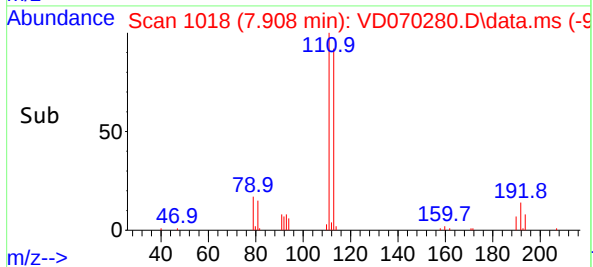
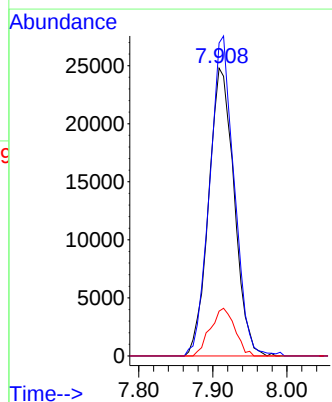
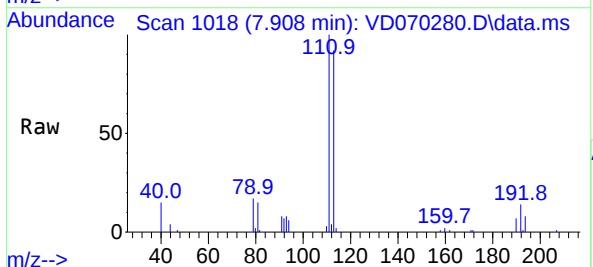
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.9  | 0.0   | 43.6  |
| 88  | 16.5  | 0.0   | 33.4  |

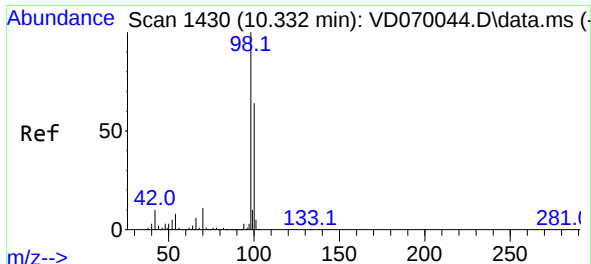


#35  
Dibromofluoromethane  
Concen: 60.771 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD070280.D  
Acq: 31 Aug 2021 15:28

Tgt Ion:113 Resp: 59255

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 106.7 | 81.8  | 122.6 |
| 192 | 16.0  | 13.2  | 19.8  |

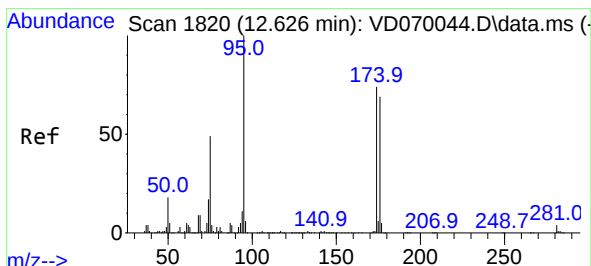
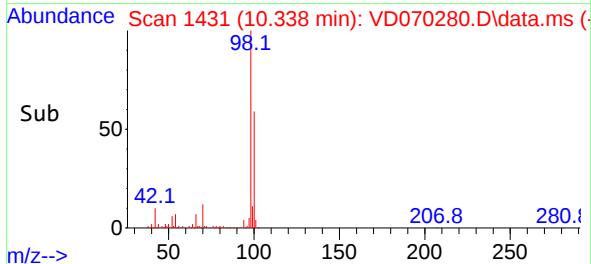
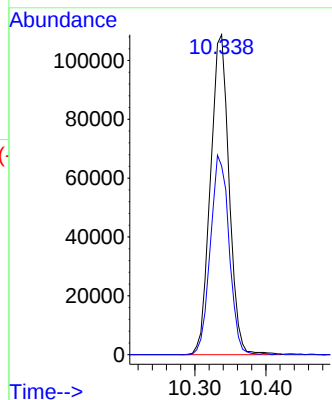
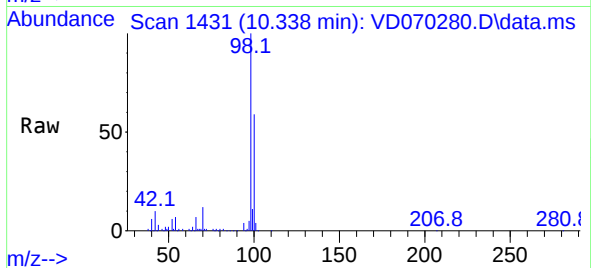




#50  
Toluene-d8  
Concen: 52.206 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070280.D  
Acq: 31 Aug 2021 15:28

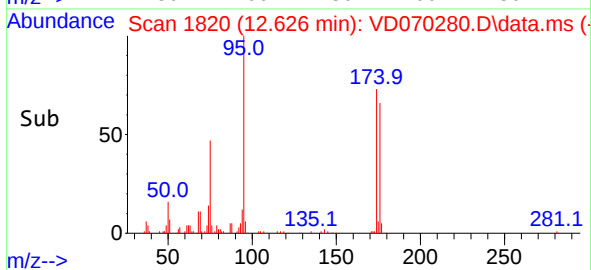
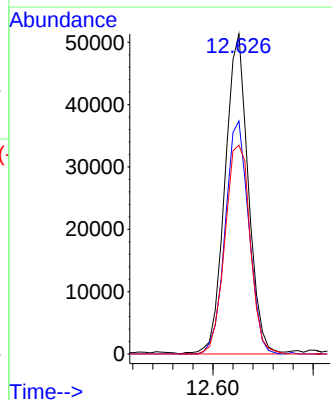
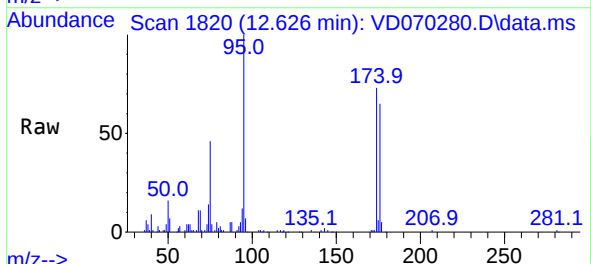
Instrument :  
MSVOA\_D  
ClientSampleId :  
PP-1

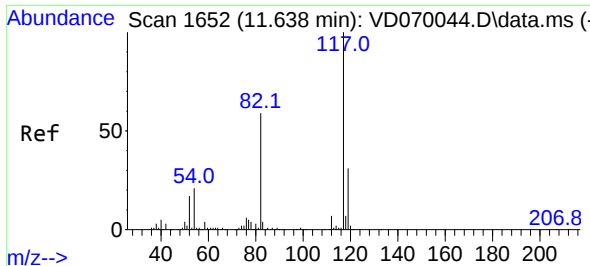
Tgt Ion: 98 Resp: 197988  
Ion Ratio Lower Upper  
98 100  
100 62.5 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 66.063 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070280.D  
Acq: 31 Aug 2021 15:28

Tgt Ion: 95 Resp: 82521  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 141.6  
176 70.9 0.0 138.2

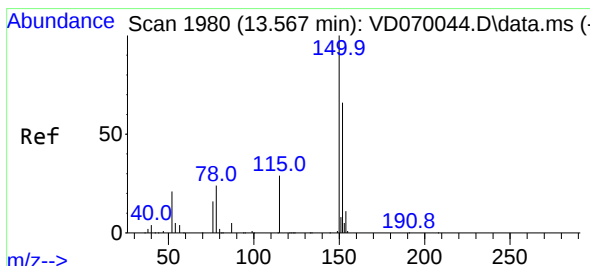
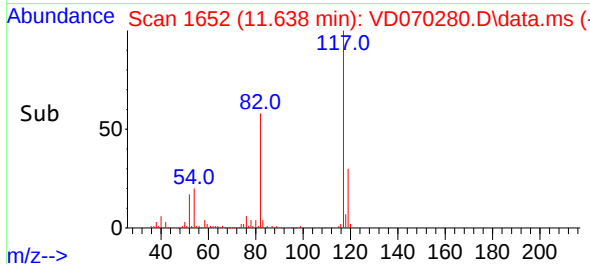
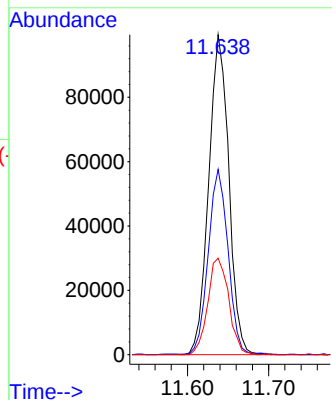
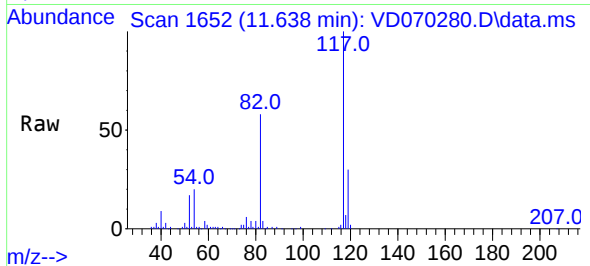




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070280.D  
Acq: 31 Aug 2021 15:28

Instrument :  
MSVOA\_D  
ClientSampled :  
PP-1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 170884 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.9  | 47.5  | 71.3   |
| 119      | 30.2  | 25.1  | 37.7   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070280.D  
Acq: 31 Aug 2021 15:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 85543 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 60.7  | 31.2  | 93.6  |
| 150      | 159.0 | 0.0   | 352.0 |

