

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD100721\  
 Data File : VD070609.D  
 Acq On : 07 Oct 2021 11:16  
 Operator : VA/SY  
 Sample : M4061-01  
 Misc : 5.18G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-1

Quant Time: Oct 08 04:50:14 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      | 7.979  | 168  | 394678   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 764800   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 709137   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 287890   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 232663   | 50.09    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.18% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 245205   | 48.22    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.44%  |
| 50) Toluene-d8              | 10.338 | 98    | 986429   | 50.75    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 101.50% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 294533   | 45.33    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 90.66%  |

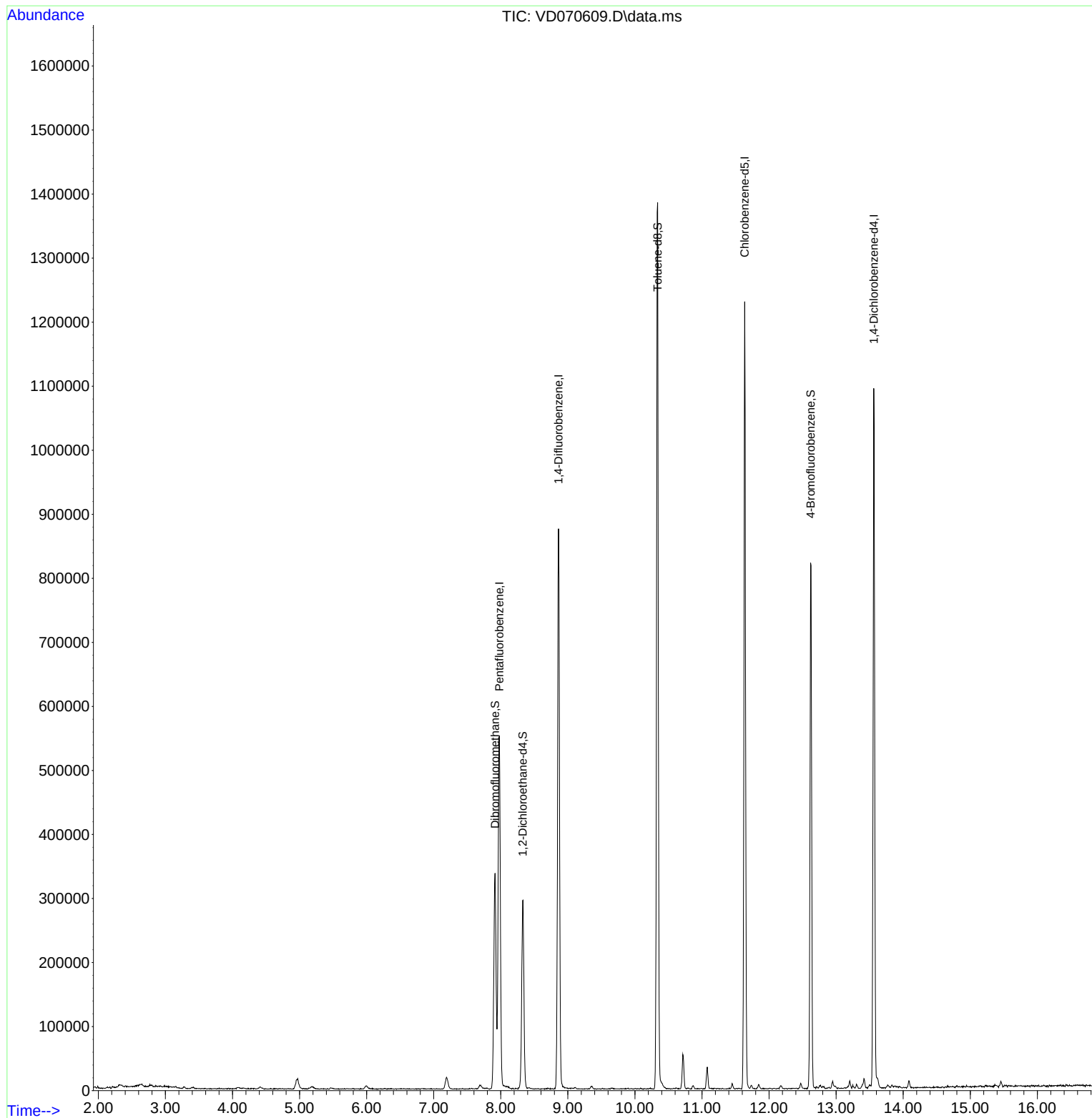
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

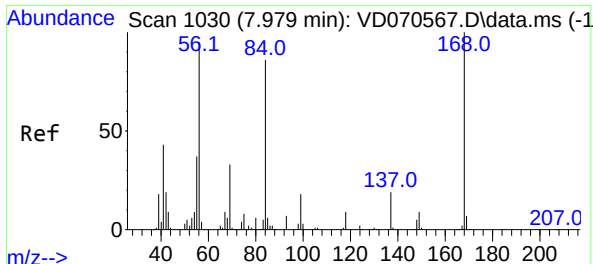
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
S-1

Quant Time: Oct 08 04:50:14 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

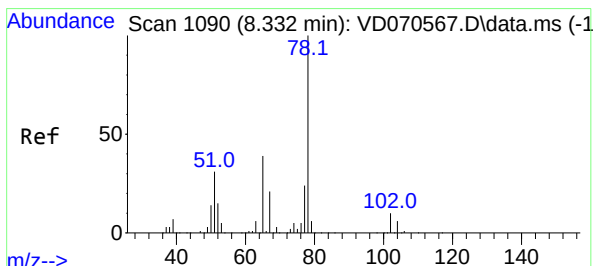
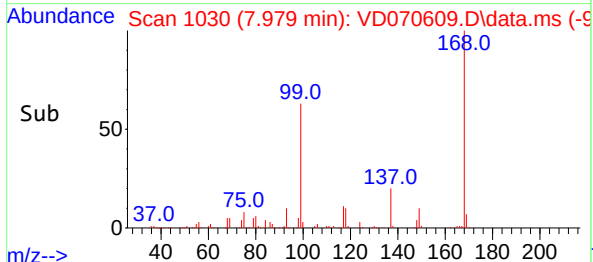
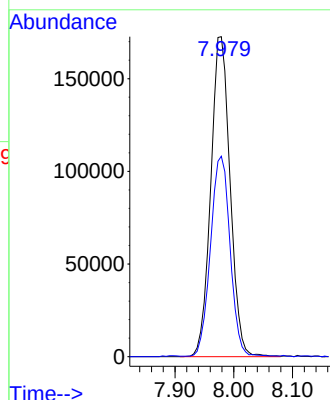
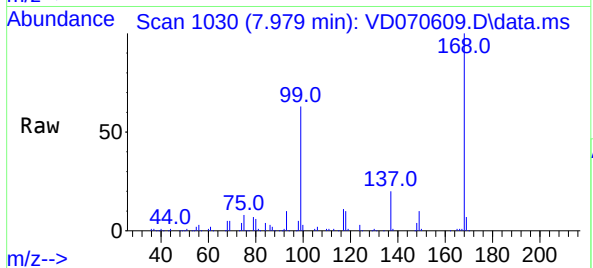




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

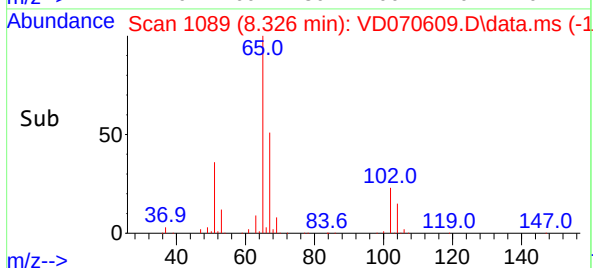
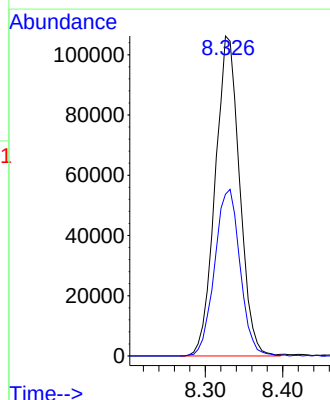
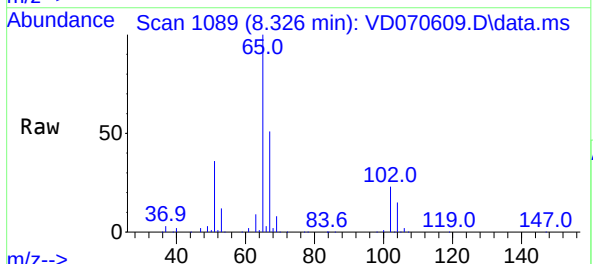
Instrument :  
MSVOA\_D  
ClientSampleId :  
S-1

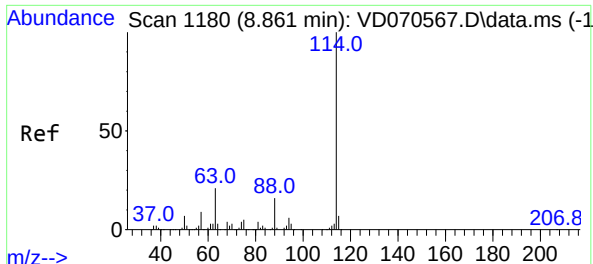
Tgt Ion:168 Resp: 394678  
Ion Ratio Lower Upper  
168 100  
99 62.5 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 50.09 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion: 65 Resp: 232663  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 110.2





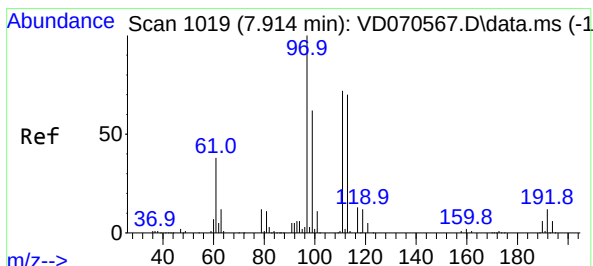
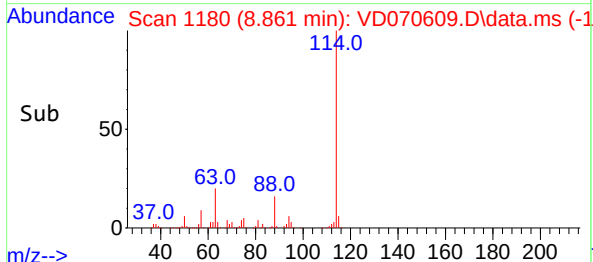
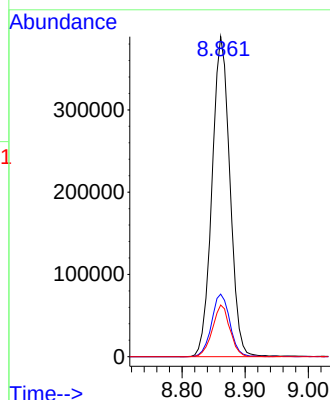
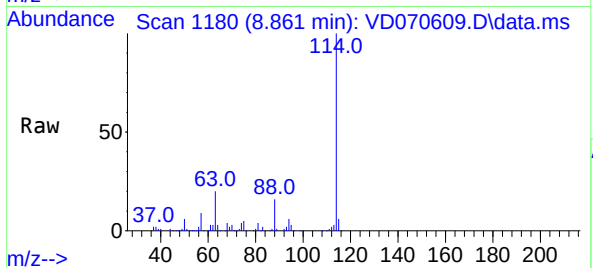
#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

Tgt Ion:114 Resp: 764800

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.5  | 0.0   | 41.8  |
| 88  | 16.2  | 0.0   | 32.6  |

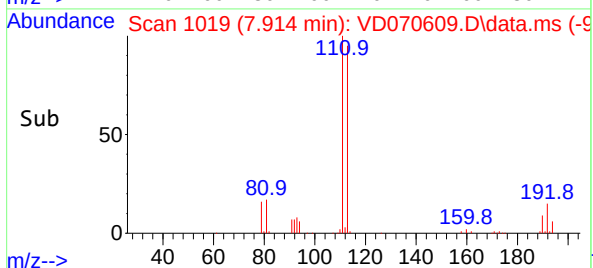
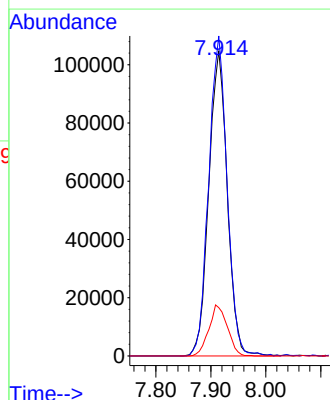
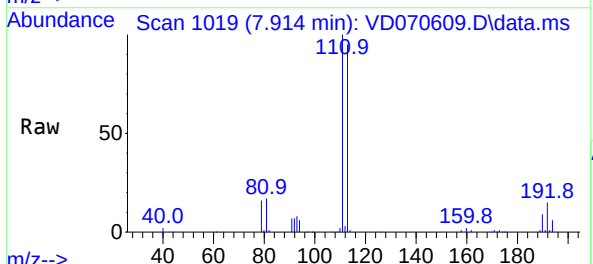


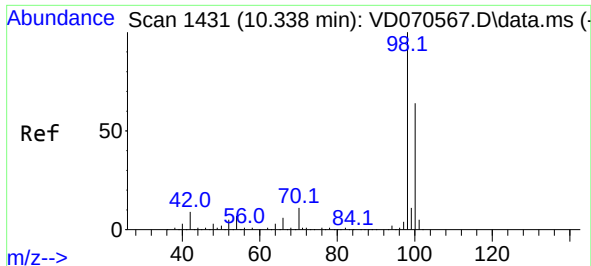
#35

Dibromofluoromethane  
Concen: 48.22 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion:113 Resp: 245205

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.3 | 83.1  | 124.7 |
| 192 | 16.7  | 12.7  | 19.1  |

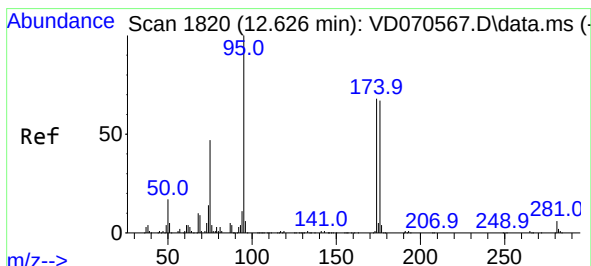
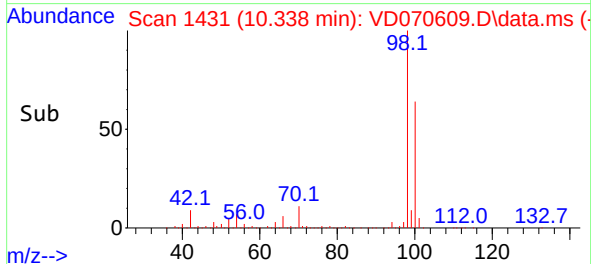
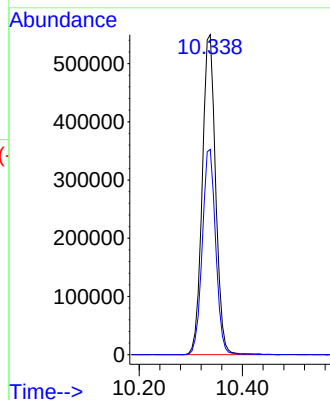
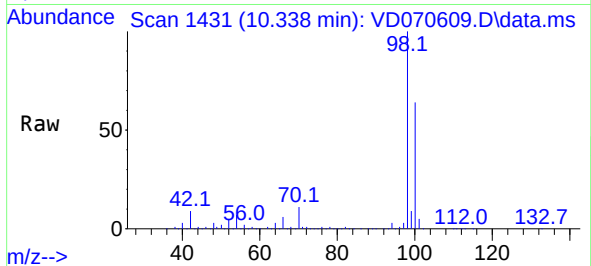




#50  
Toluene-d8  
Concen: 50.75 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

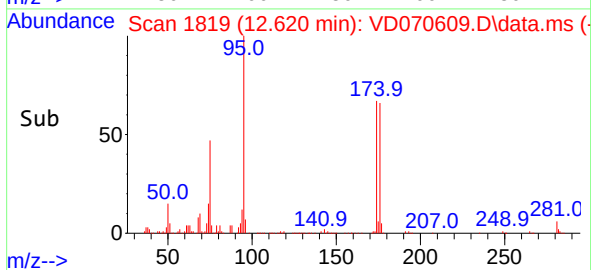
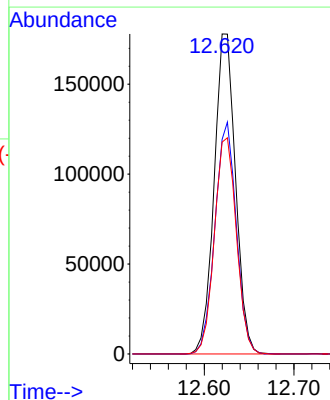
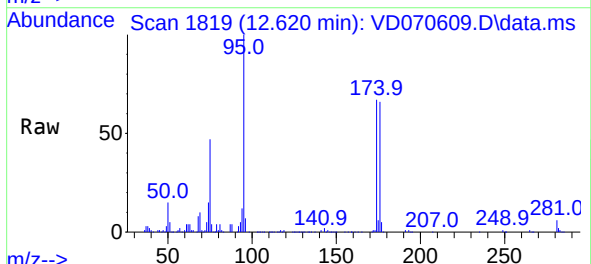
Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

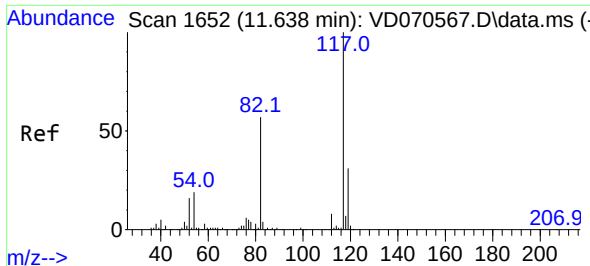
Tgt Ion: 98 Resp: 986429  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 45.33 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion: 95 Resp: 294533  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 138.0  
176 69.4 0.0 135.6



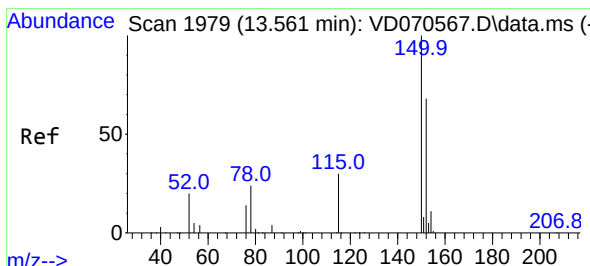
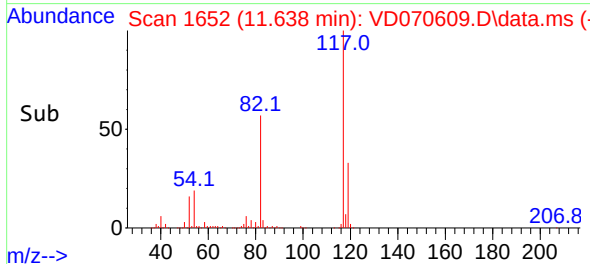
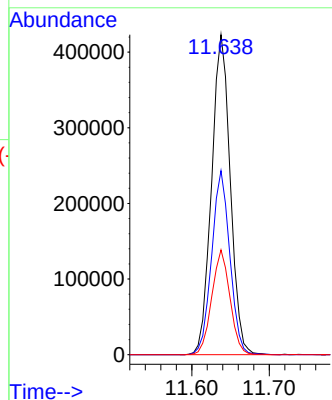
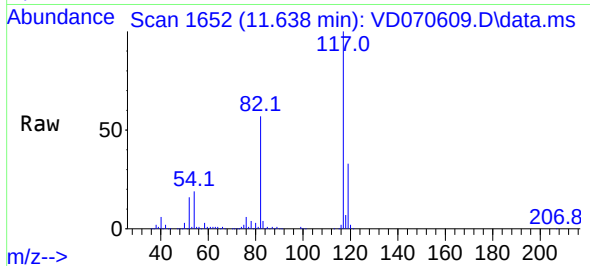


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

Tgt Ion:117 Resp: 709137

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 57.5  | 45.4  | 68.2  |
| 119 | 32.7  | 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: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion:152 Resp: 287890

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.5  | 31.9  | 95.7  |
| 150 | 159.7 | 0.0   | 350.0 |

