

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102121\  
 Data File : VD070809.D  
 Acq On : 21 Oct 2021 19:13  
 Operator : VA/SY  
 Sample : M4294-13  
 Misc : 4.80G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-2-HS

Quant Time: Oct 22 06:17:34 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  | 441011   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 804547   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 778691   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 334348   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 296136   | 56.693   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 113.380% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 268187   | 52.059   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.120% |
| 50) Toluene-d8              | 10.332 | 98    | 1059027  | 53.628   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 107.260% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 340133   | 50.022   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 100.040% |

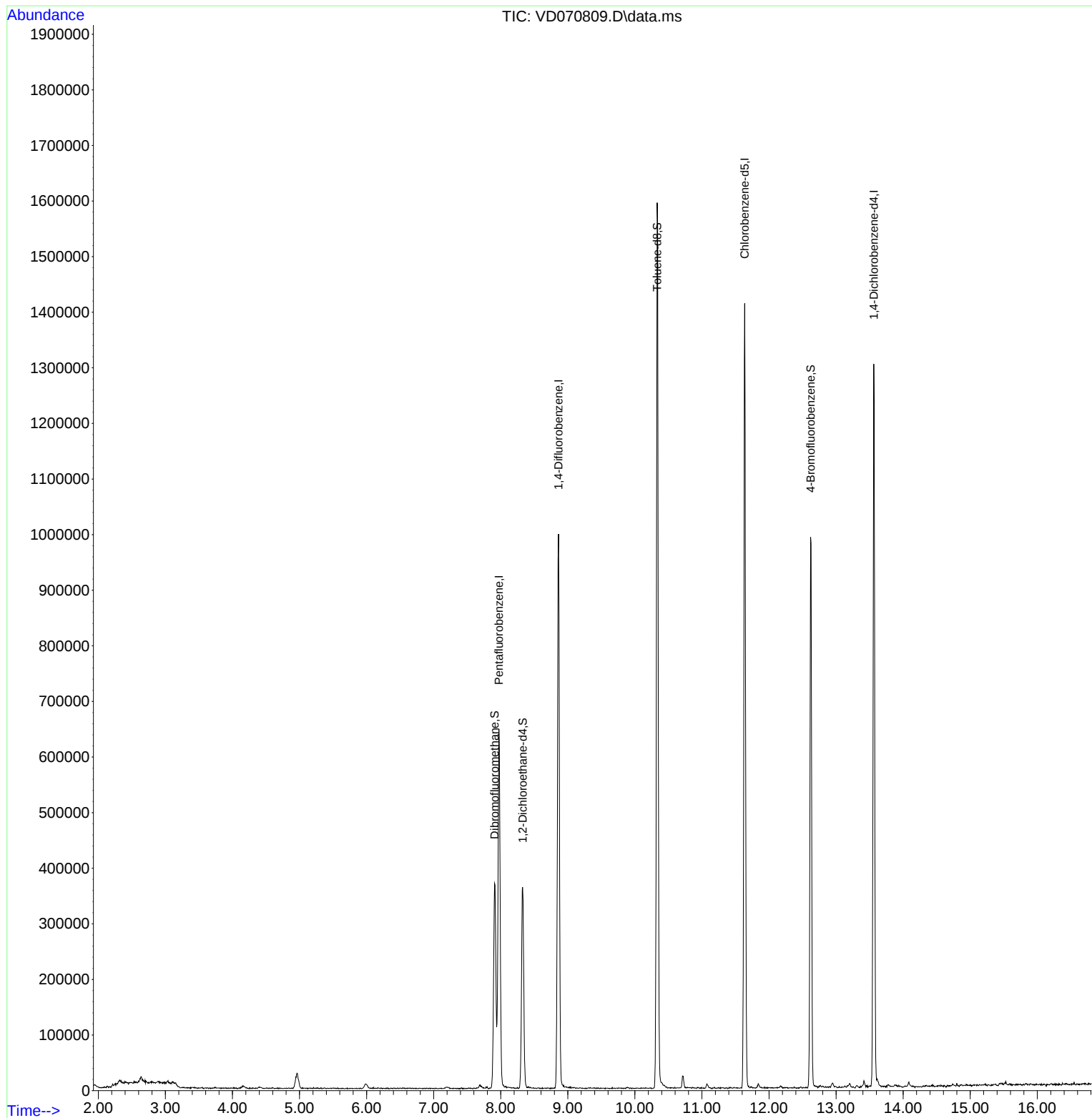
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

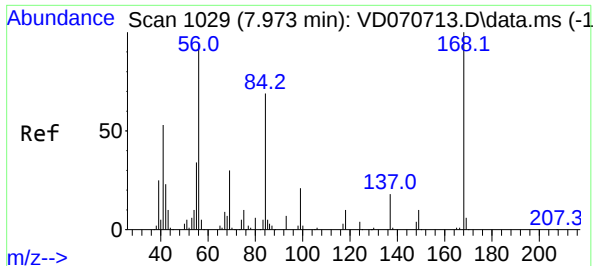
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-2-HS

Quant Time: Oct 22 06:17:34 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

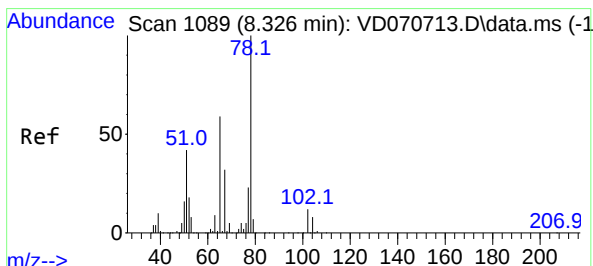
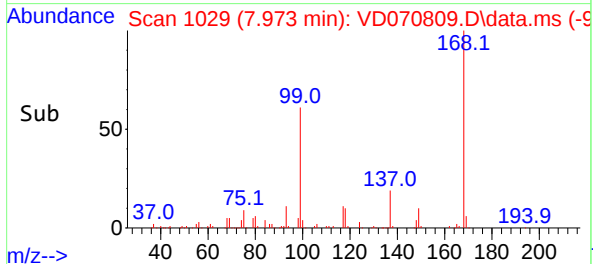
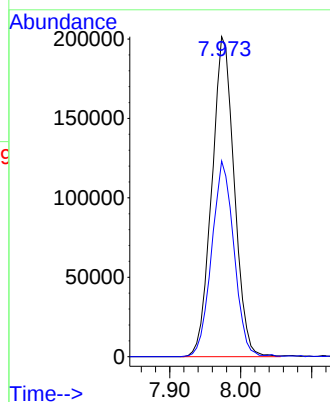
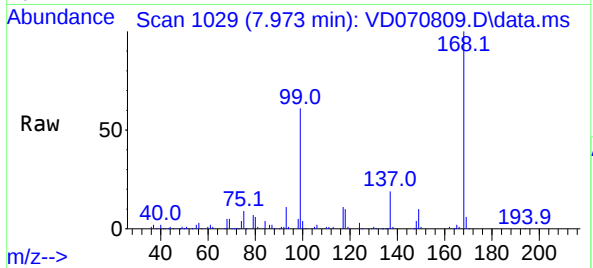




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD070809.D  
Acq: 21 Oct 2021 19:13

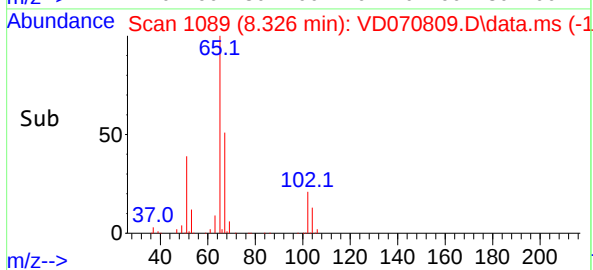
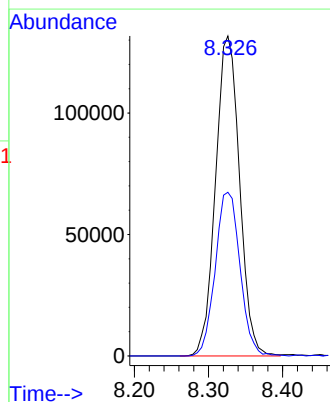
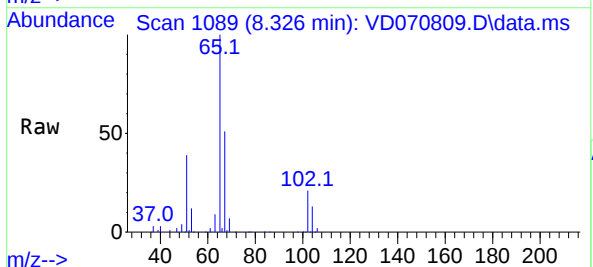
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-2-HS

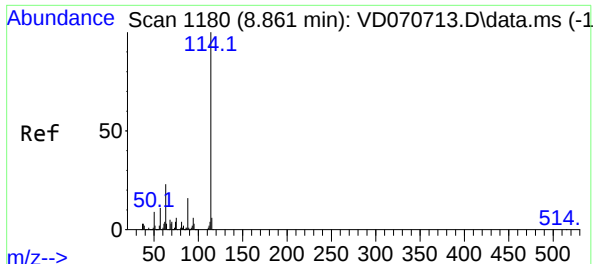
Tgt Ion:168 Resp: 441011  
Ion Ratio Lower Upper  
168 100  
99 61.1 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 56.693 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070809.D  
Acq: 21 Oct 2021 19:13

Tgt Ion: 65 Resp: 296136  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 110.2



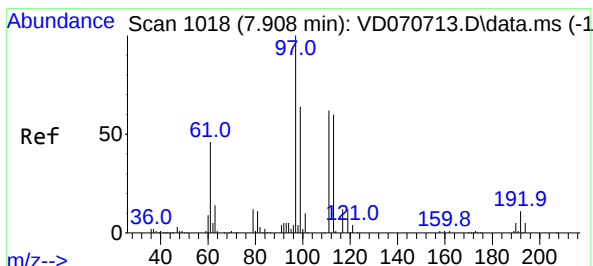
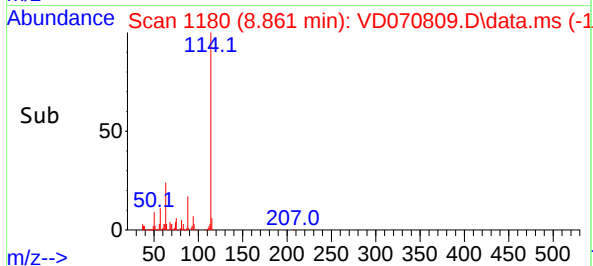
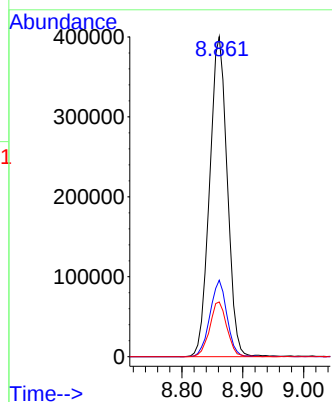
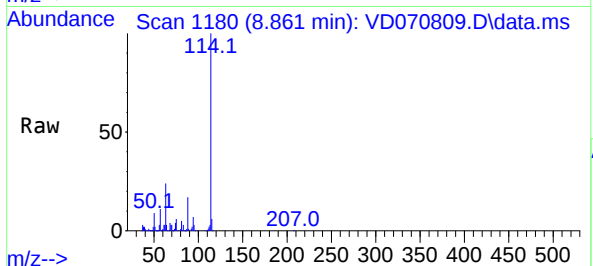


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070809.D  
Acq: 21 Oct 2021 19:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-2-HS

Tgt Ion:114 Resp: 804547

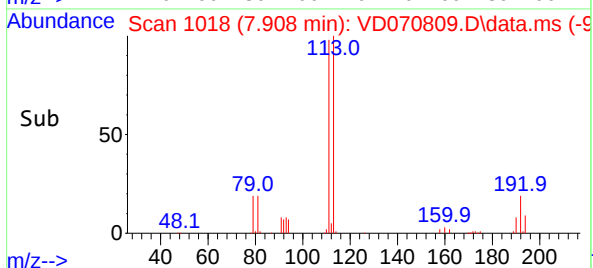
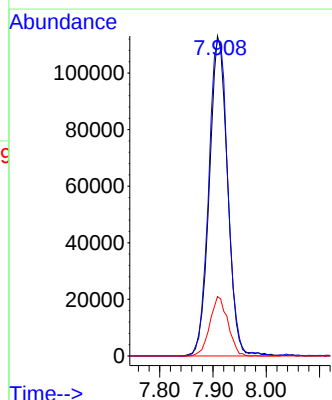
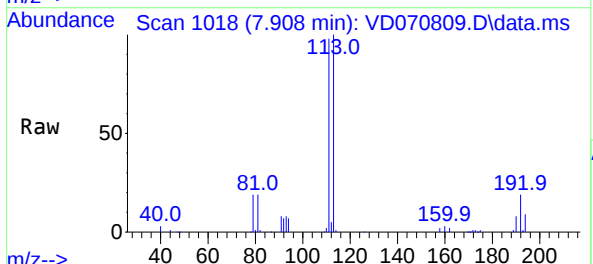
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 23.9  | 0.0   | 41.8  |
| 88  | 17.1  | 0.0   | 32.6  |

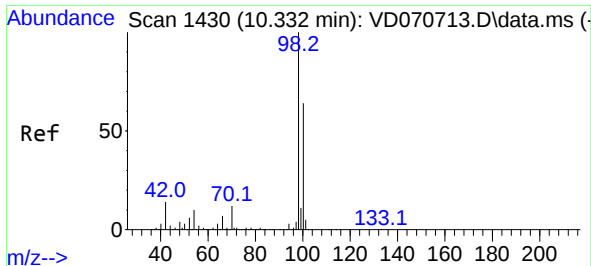


#35  
Dibromofluoromethane  
Concen: 52.059 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD070809.D  
Acq: 21 Oct 2021 19:13

Tgt Ion:113 Resp: 268187

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.3 | 83.1  | 124.7 |
| 192 | 18.3  | 12.7  | 19.1  |

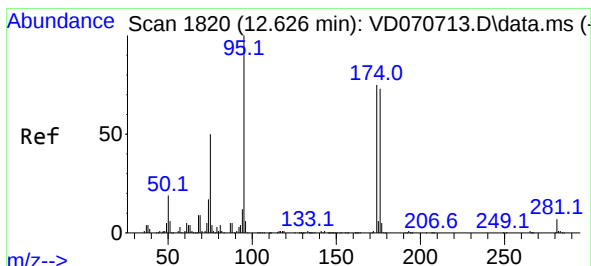
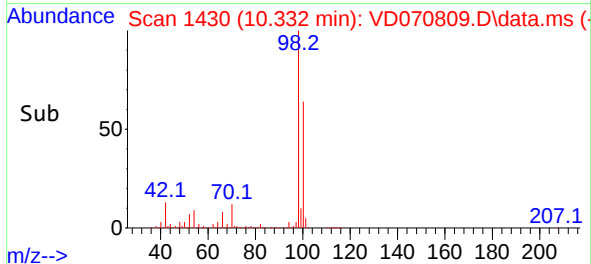
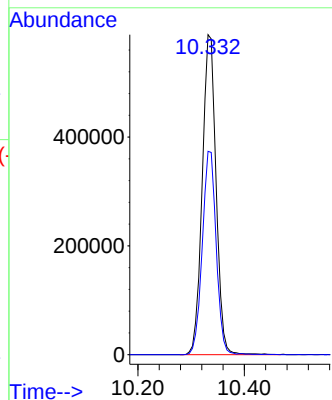
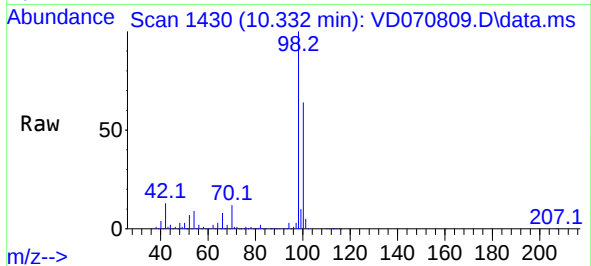




#50  
Toluene-d8  
Concen: 53.628 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD070809.D  
Acq: 21 Oct 2021 19:13

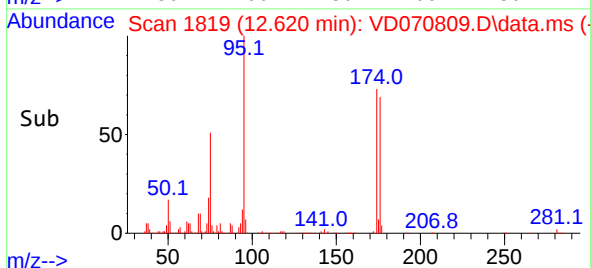
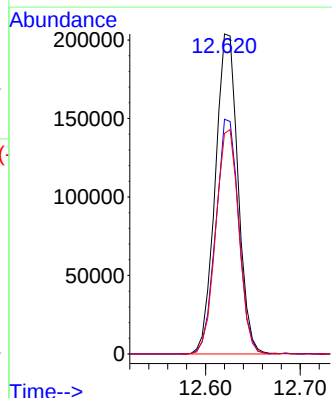
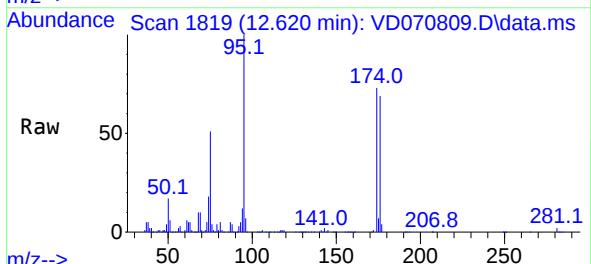
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-2-HS

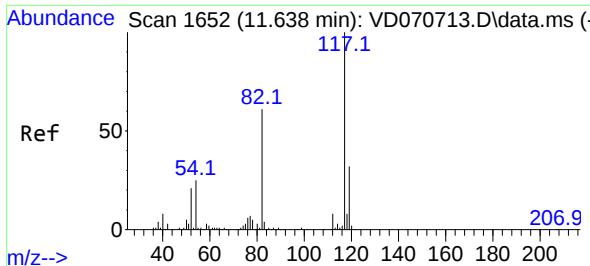
Tgt Ion: 98 Resp: 1059027  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 50.022 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070809.D  
Acq: 21 Oct 2021 19:13

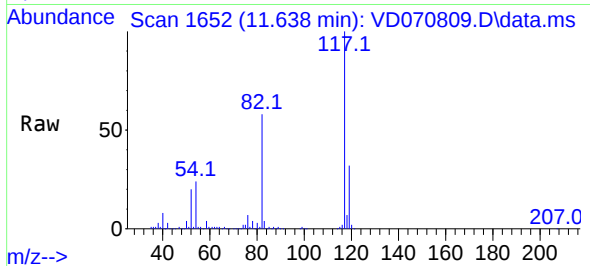
Tgt Ion: 95 Resp: 340133  
Ion Ratio Lower Upper  
95 100  
174 74.0 0.0 138.0  
176 71.0 0.0 135.6



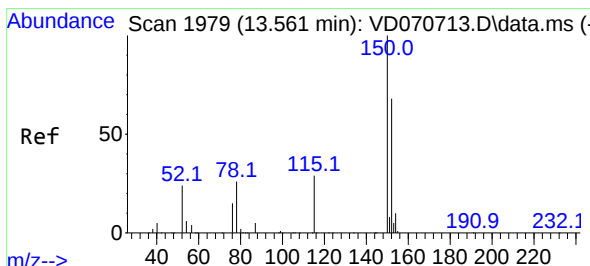
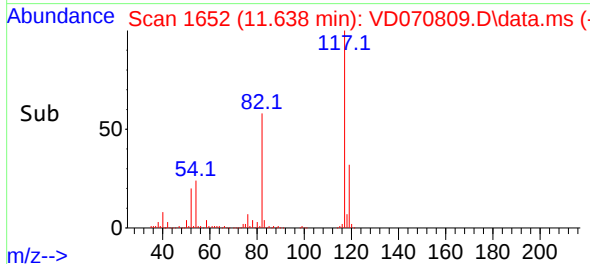
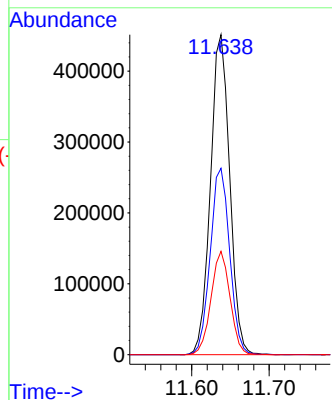


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070809.D  
Acq: 21 Oct 2021 19:13

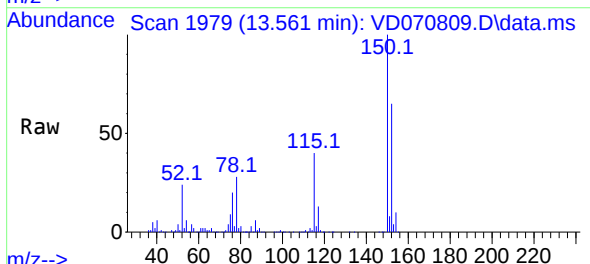
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-2-HS



Tgt Ion:117 Resp: 778691  
Ion Ratio Lower Upper  
117 100  
82 58.2 45.4 68.2  
119 32.3 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: VD070809.D  
Acq: 21 Oct 2021 19:13



Tgt Ion:152 Resp: 334348  
Ion Ratio Lower Upper  
152 100  
115 60.7 31.9 95.7  
150 156.0 0.0 350.0

