

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101821\  
 Data File : VD070744.D  
 Acq On : 18 Oct 2021 21:57  
 Operator : VA/SY  
 Sample : M4273-01  
 Misc : 5.12G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 R-LA-4/2-WC

Quant Time: Oct 19 06:43:30 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      | 7.979  | 168  | 482000   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 948511   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 949989   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 389379   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 292883   | 51.302   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.600% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 297027   | 48.906   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.820%  |
| 50) Toluene-d8              | 10.332 | 98    | 1292675  | 55.524   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 111.040% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 444327   | 55.427   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 110.860% |

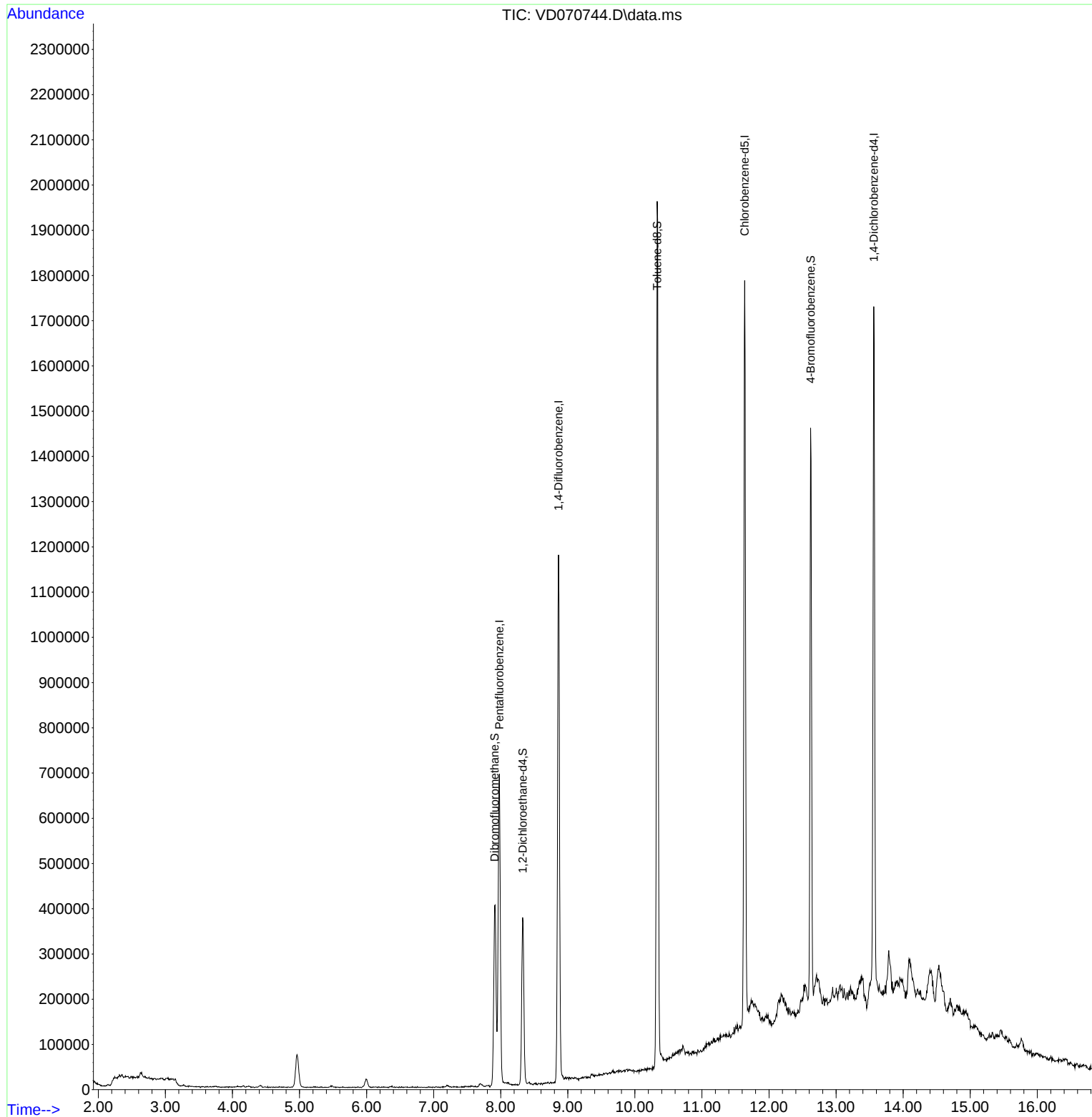
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

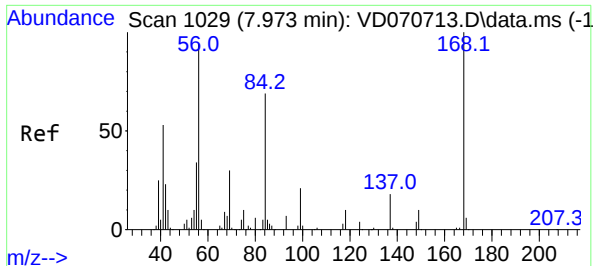
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
R-LA-4/2-WC

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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

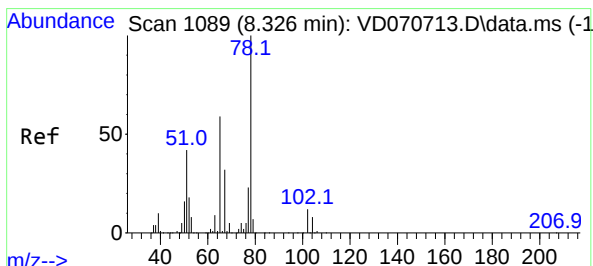
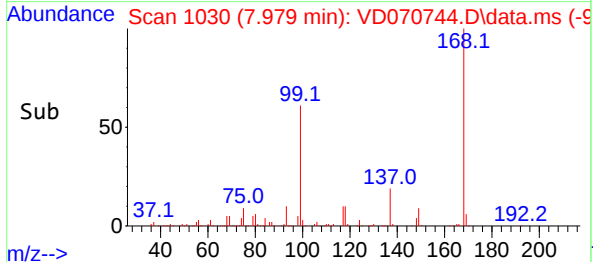
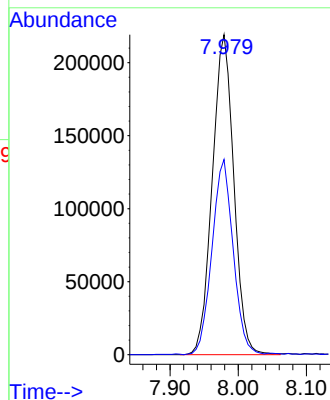
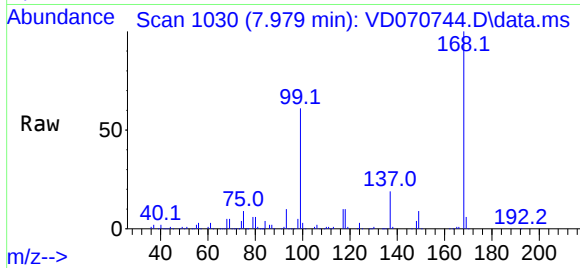




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD070744.D  
Acq: 18 Oct 2021 21:57

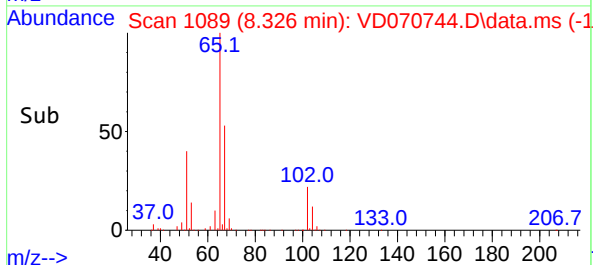
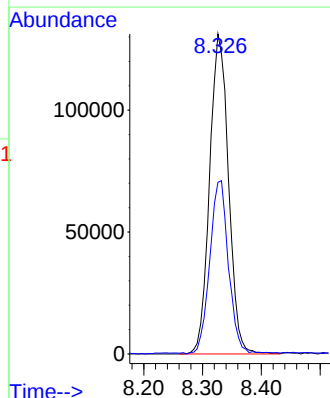
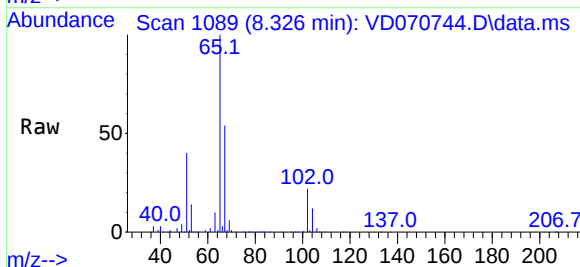
Instrument :  
MSVOA\_D  
ClientSampleId :  
R-LA-4/2-WC

Tgt Ion:168 Resp: 482000  
Ion Ratio Lower Upper  
168 100  
99 60.9 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.302 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070744.D  
Acq: 18 Oct 2021 21:57

Tgt Ion: 65 Resp: 292883  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 110.2

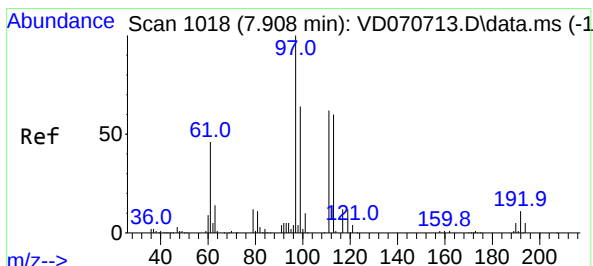
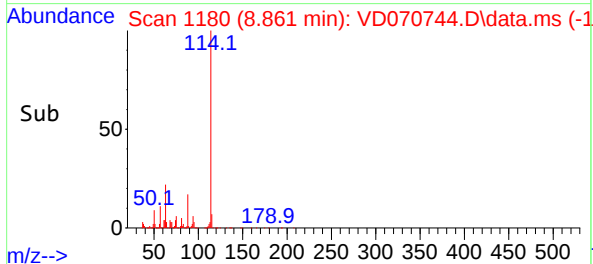
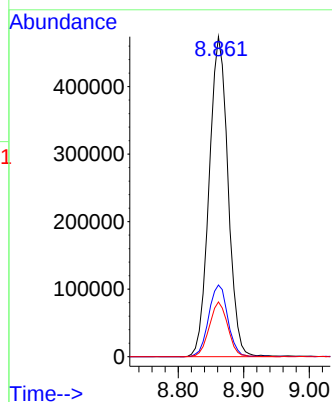
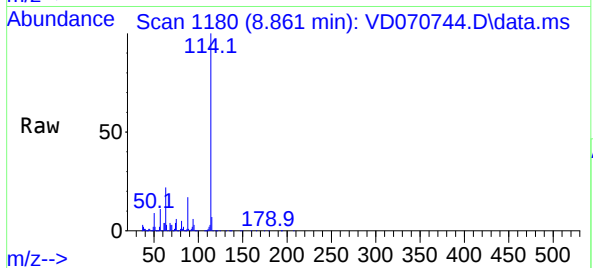




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070744.D  
Acq: 18 Oct 2021 21:57

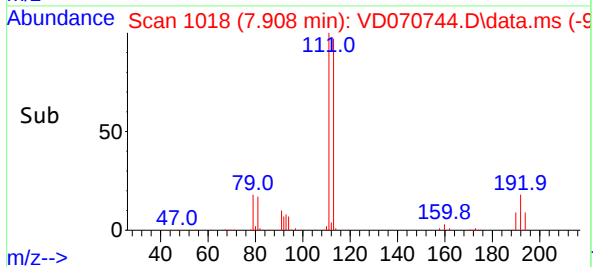
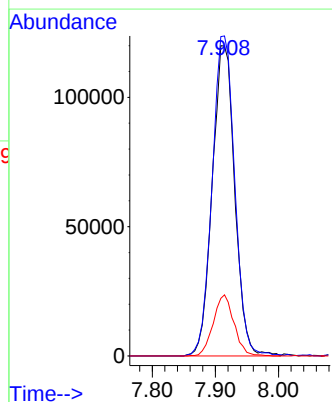
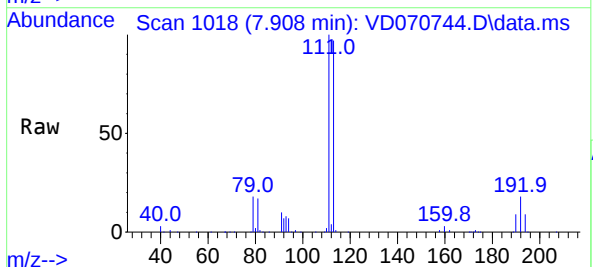
Instrument :  
MSVOA\_D  
ClientSampleId :  
R-LA-4/2-WC

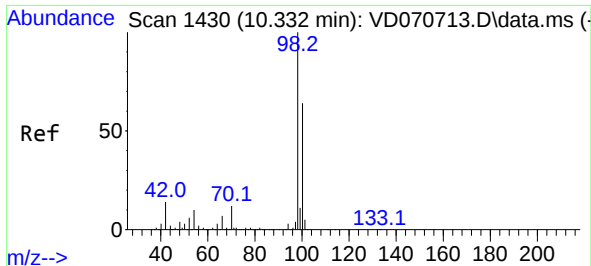
Tgt Ion:114 Resp: 948511  
Ion Ratio Lower Upper  
114 100  
63 22.4 0.0 41.8  
88 17.1 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 48.906 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD070744.D  
Acq: 18 Oct 2021 21:57

Tgt Ion:113 Resp: 297027  
Ion Ratio Lower Upper  
113 100  
111 103.6 83.1 124.7  
192 18.2 12.7 19.1

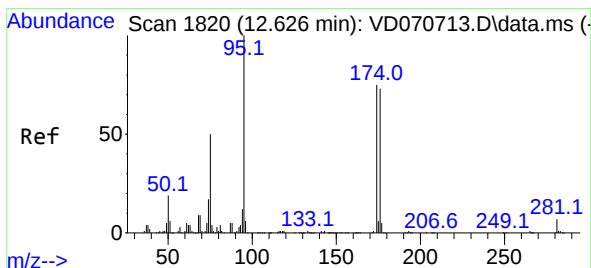
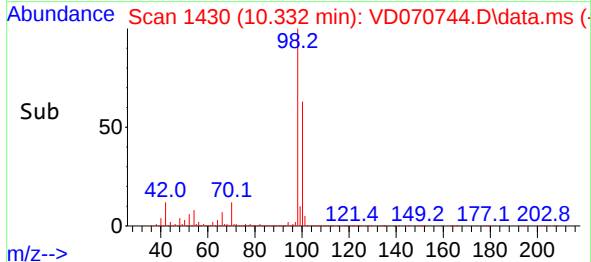
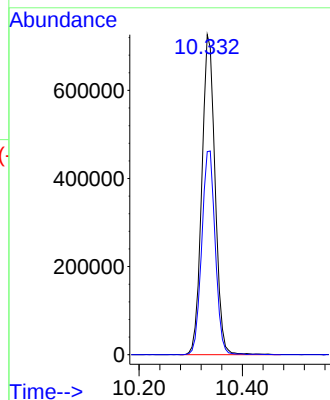
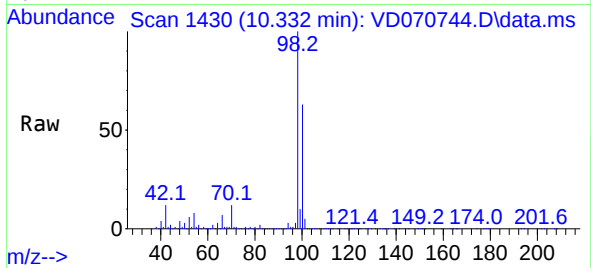




#50  
Toluene-d8  
Concen: 55.524 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD070744.D  
Acq: 18 Oct 2021 21:57

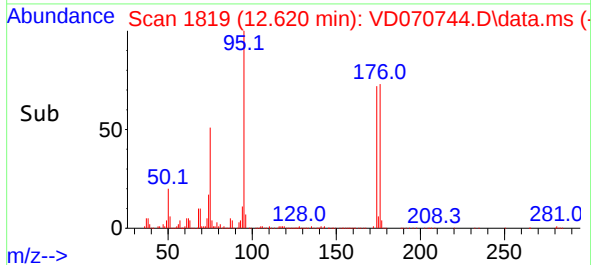
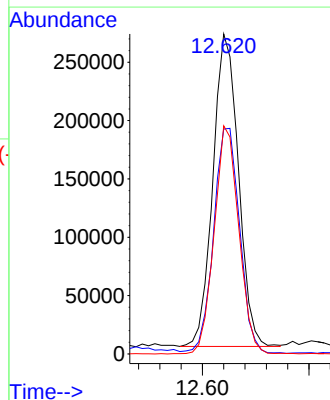
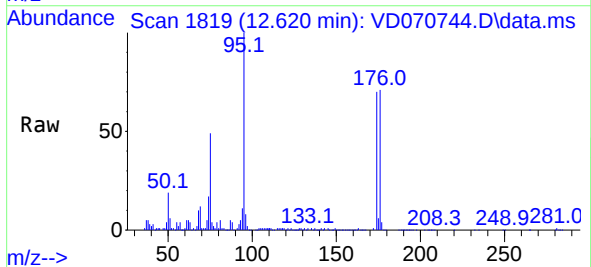
Instrument :  
MSVOA\_D  
ClientSampleId :  
R-LA-4/2-WC

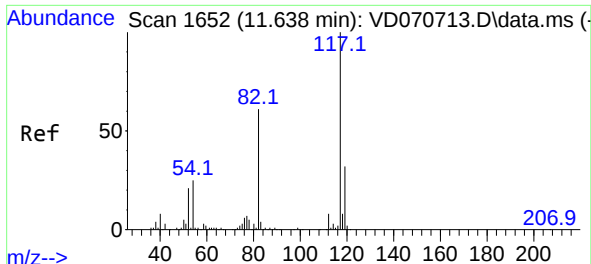
Tgt Ion: 98 Resp: 1292675  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 55.427 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070744.D  
Acq: 18 Oct 2021 21:57

Tgt Ion: 95 Resp: 444327  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 138.0  
176 70.7 0.0 135.6

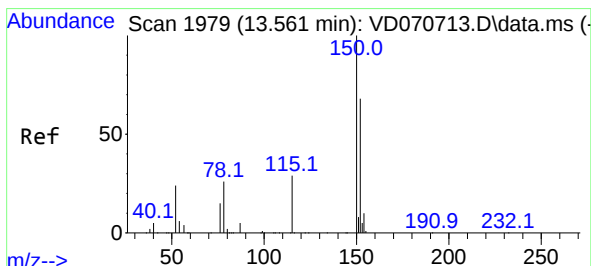
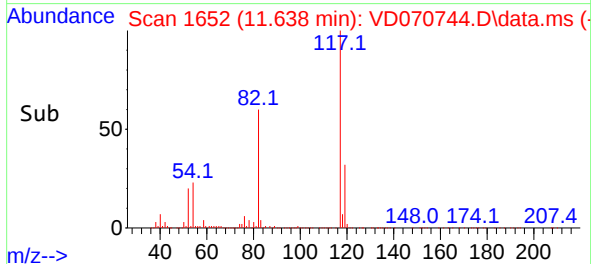
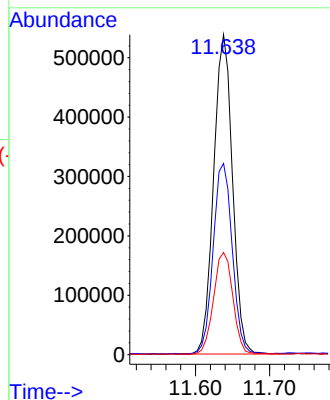
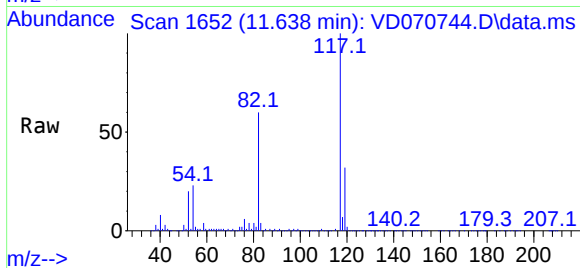




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070744.D  
Acq: 18 Oct 2021 21:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
R-LA-4/2-WC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 949989 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 59.6  | 45.4  | 68.2   |
| 119      | 31.8  | 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: VD070744.D  
Acq: 18 Oct 2021 21:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 389379 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 63.9  | 31.9  | 95.7   |
| 150      | 158.6 | 0.0   | 350.0  |

