

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020321\  
 Data File : VD068269.D  
 Acq On : 03 Feb 2021 18:12  
 Operator : VA/SY  
 Sample : M1292-13  
 Misc : 8.90G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OU421-010-0002

Quant Time: Feb 03 23:44:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 417817   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 772669   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.649 | 117  | 703166   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 309714   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 238596   | 59.70    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 119.40% |
| 35) Dibromofluoromethane    | 7.920  | 113   | 232048   | 54.32    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.64% |
| 50) Toluene-d8              | 10.344 | 98    | 960700   | 56.22    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 112.44% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 309456   | 50.29    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 100.58% |

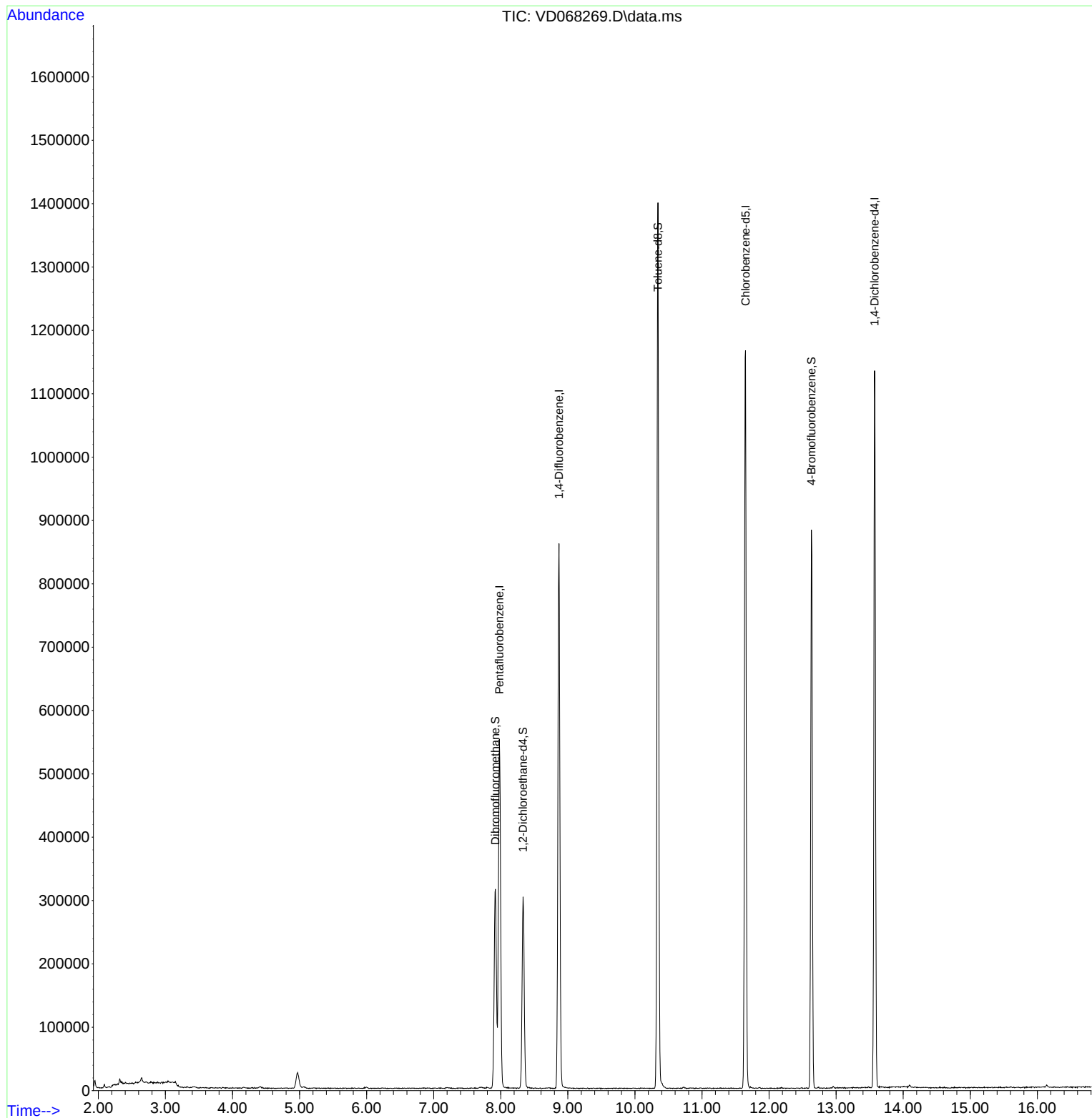
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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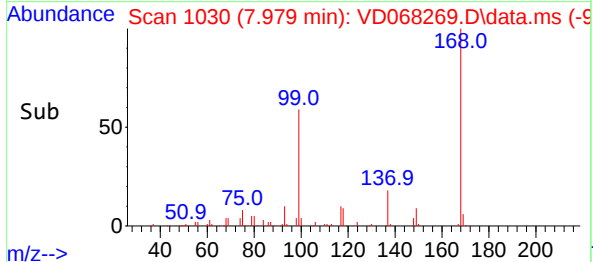
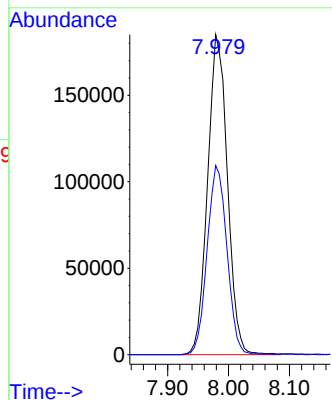
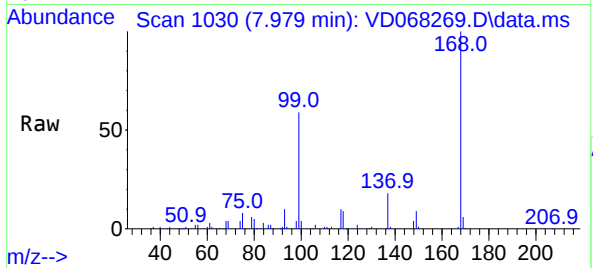




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068269.D  
Acq: 03 Feb 2021 18:12

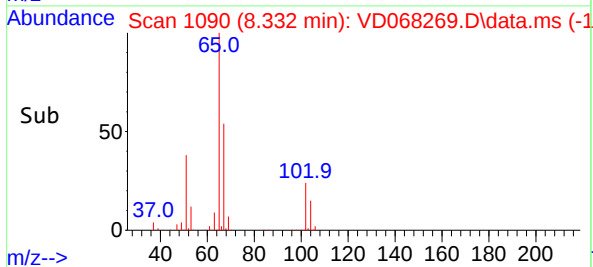
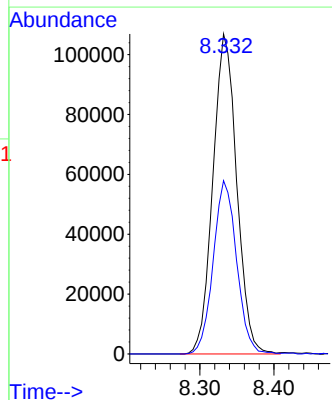
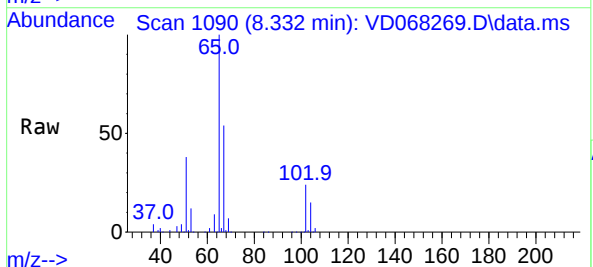
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-010-0002

Tgt Ion:168 Resp: 417817  
Ion Ratio Lower Upper  
168 100  
99 59.1 43.5 65.3



#33  
1,2-Dichloroethane-d4  
Concen: 59.70 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068269.D  
Acq: 03 Feb 2021 18:12

Tgt Ion: 65 Resp: 238596  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.0



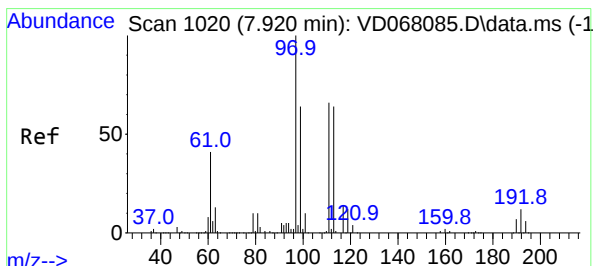
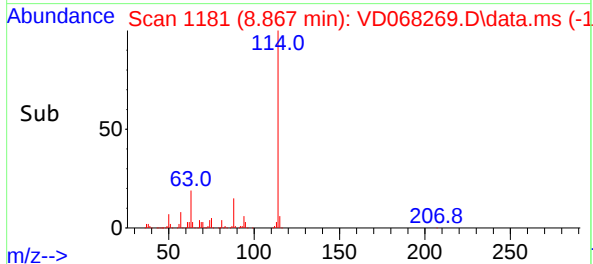
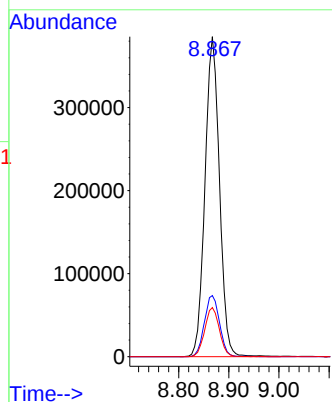
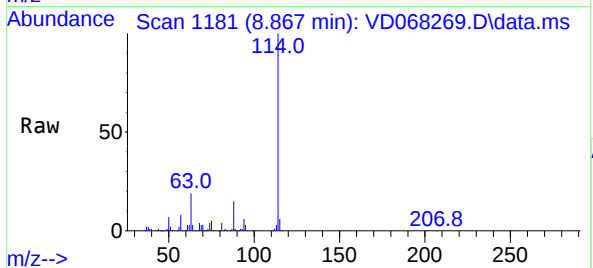


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068269.D  
Acq: 03 Feb 2021 18:12

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-010-0002

Tgt Ion:114 Resp: 772669

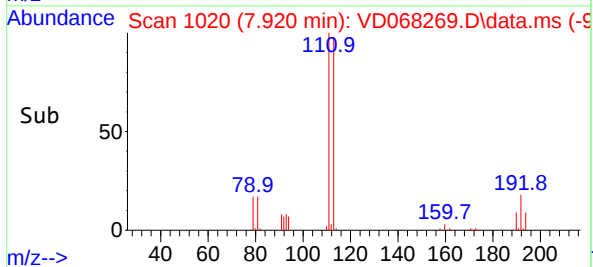
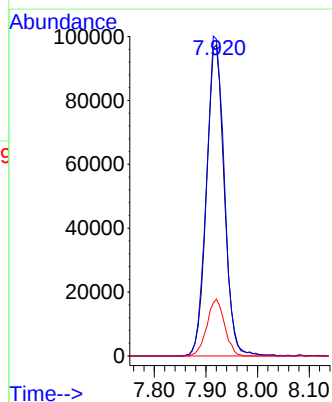
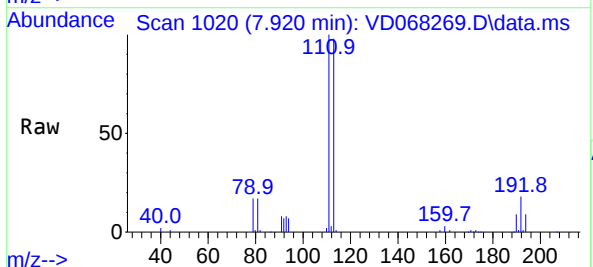
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.1  | 0.0   | 34.8  |
| 88  | 15.4  | 0.0   | 31.6  |

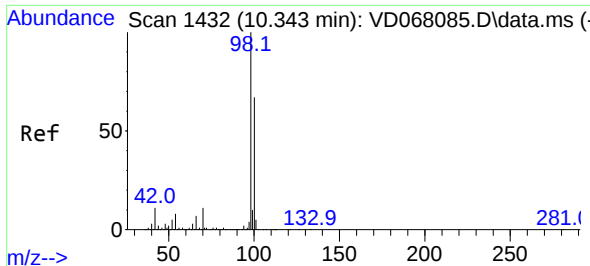


#35  
Dibromofluoromethane  
Concen: 54.32 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068269.D  
Acq: 03 Feb 2021 18:12

Tgt Ion:113 Resp: 232048

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.5 | 81.4  | 122.0 |
| 192 | 18.2  | 16.1  | 24.1  |

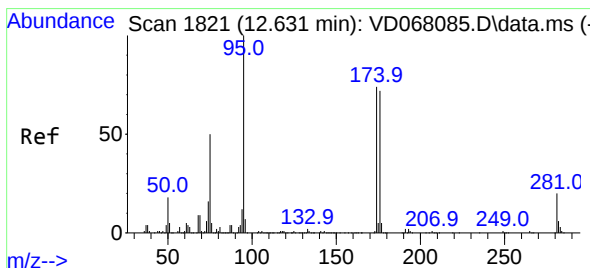
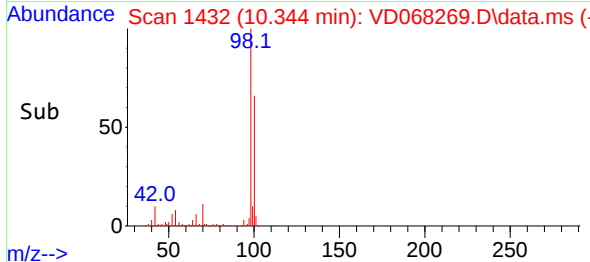
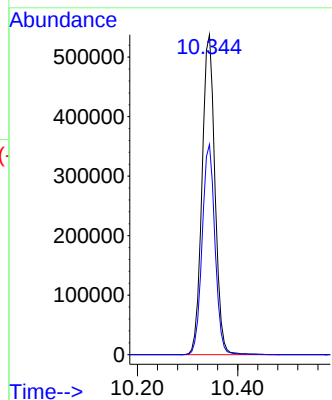
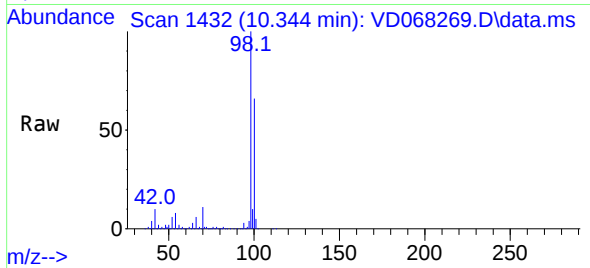




#50  
Toluene-d8  
Concen: 56.22 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068269.D  
Acq: 03 Feb 2021 18:12

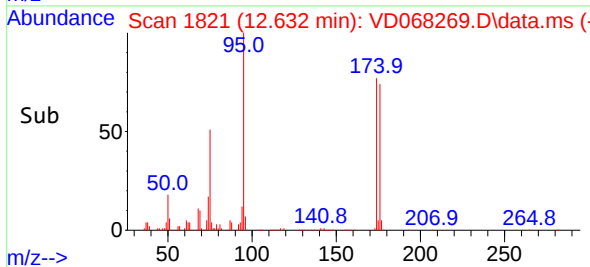
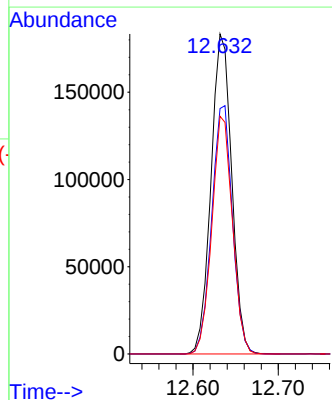
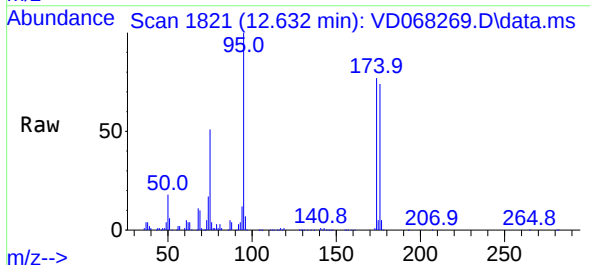
Instrument :  
MSVOA\_D  
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OU421-010-0002

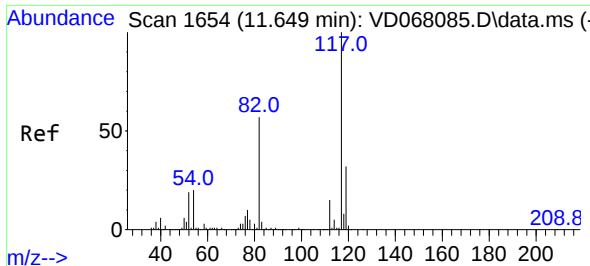
Tgt Ion: 98 Resp: 960700  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 50.29 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068269.D  
Acq: 03 Feb 2021 18:12

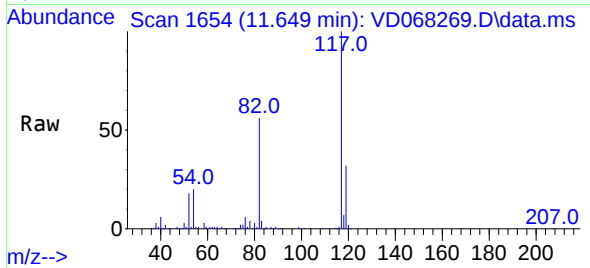
Tgt Ion: 95 Resp: 309456  
Ion Ratio Lower Upper  
95 100  
174 77.7 0.0 172.4  
176 73.9 0.0 168.4





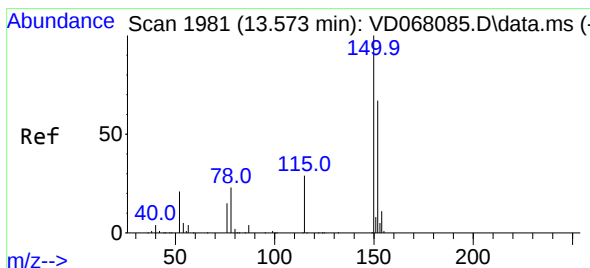
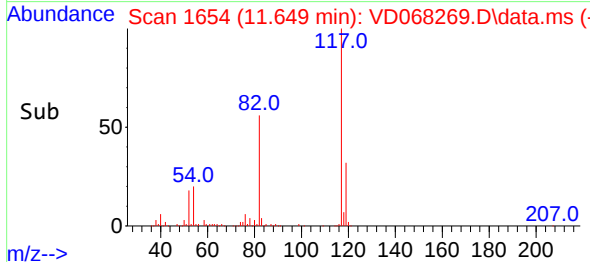
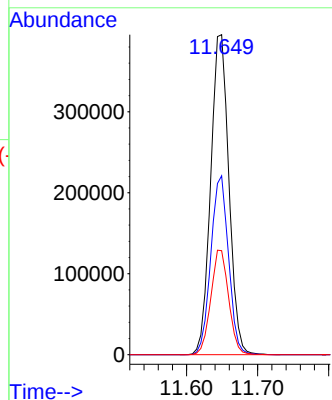
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068269.D  
Acq: 03 Feb 2021 18:12

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MSVOA\_D  
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Tgt Ion:117 Resp: 703166

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 55.9  | 41.4  | 62.0  |
| 119 | 32.5  | 26.1  | 39.1  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068269.D  
Acq: 03 Feb 2021 18:12

Tgt Ion:152 Resp: 309714

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 59.6  | 28.9  | 86.8  |
| 150 | 157.0 | 0.0   | 344.4 |

