

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040121\  
 Data File : VD068754.D  
 Acq On : 01 Apr 2021 13:11  
 Operator : VA/SY  
 Sample : M1886-01  
 Misc : 6.36G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RO-124035

Quant Time: Apr 02 01:03:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 20 02:00:55 2021  
 Response via : Initial Calibration

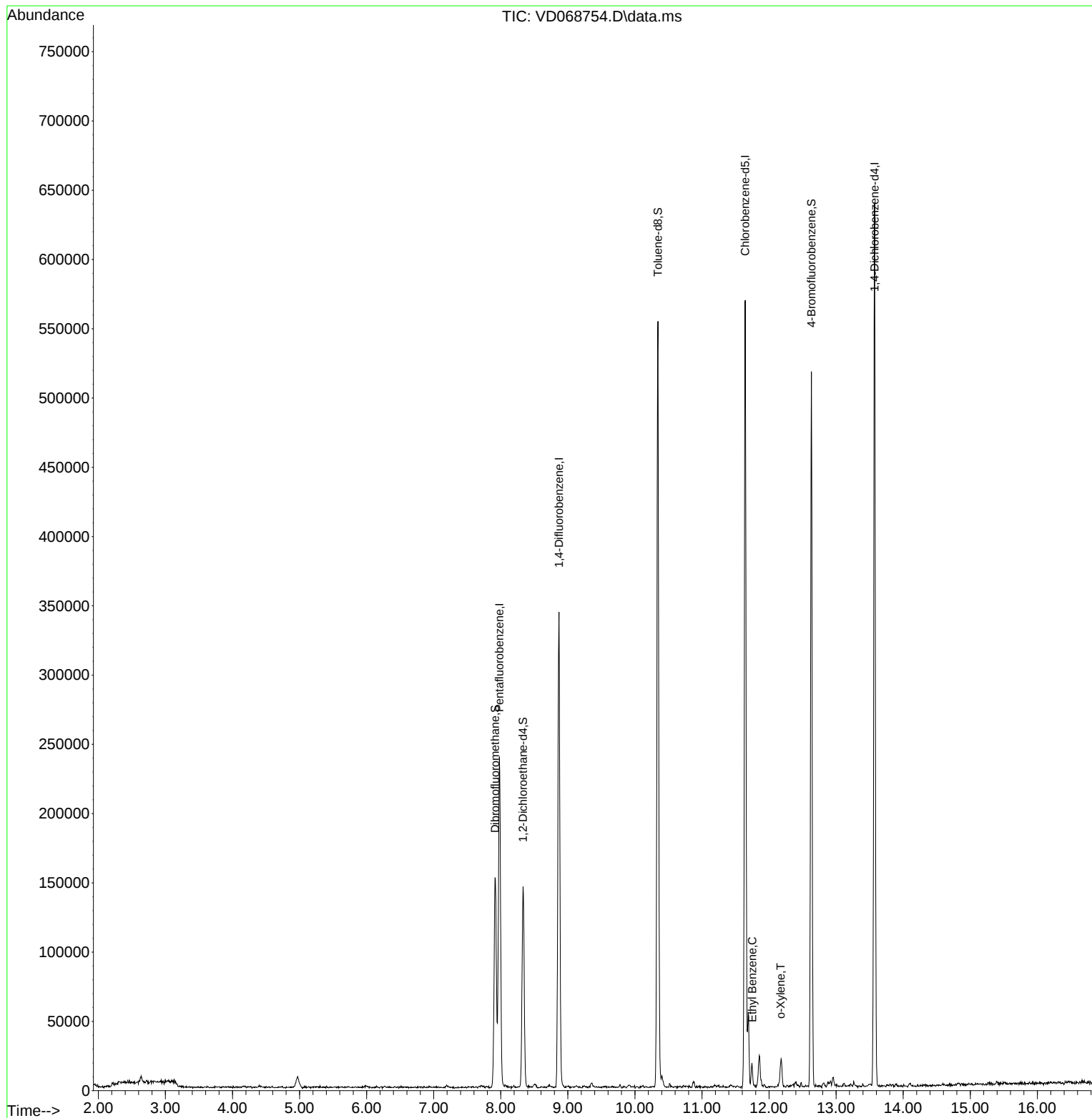
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 178004   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 310755   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.643 | 117   | 342355   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 168913   | 50.00    | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 115454   | 64.32    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 128.64%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 112884   | 58.38    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 116.76%  |
| 50) Toluene-d8              | 10.343 | 98    | 390586   | 52.40    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 104.80%  |
| 62) 4-Bromofluorobenzene    | 12.631 | 95    | 153722   | 63.60    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 127.20%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 67) Ethyl Benzene           | 11.749 | 91    | 12334    | 1.05     | ug/l # | 87       |
| 69) o-Xylene                | 12.173 | 106   | 5639     | 1.33     | ug/l   | 92       |
| -----                       |        |       |          |          |        |          |

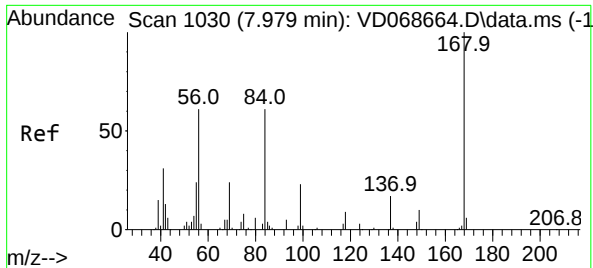
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
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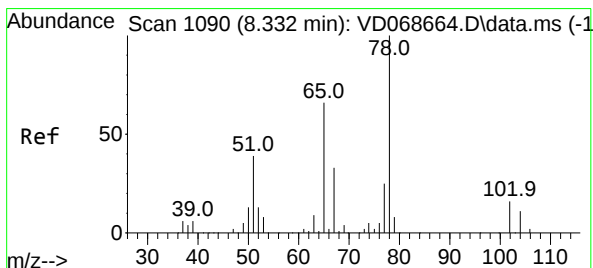
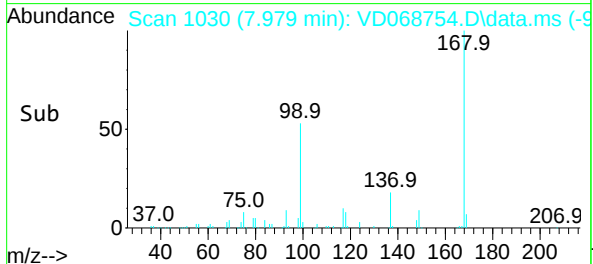
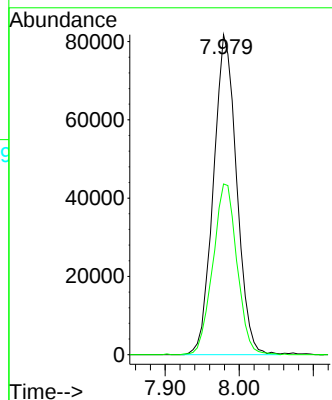
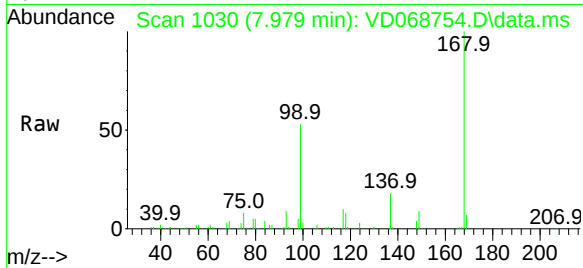




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

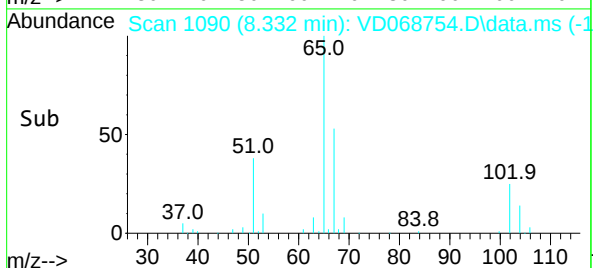
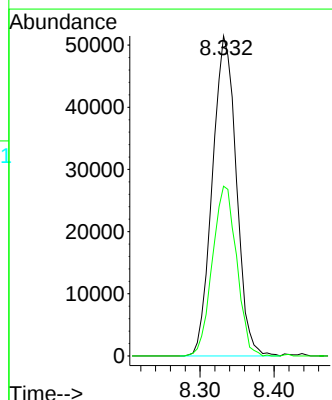
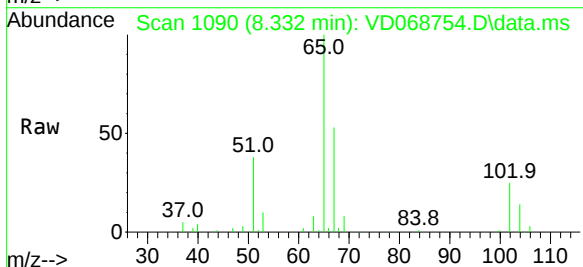
Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-124035

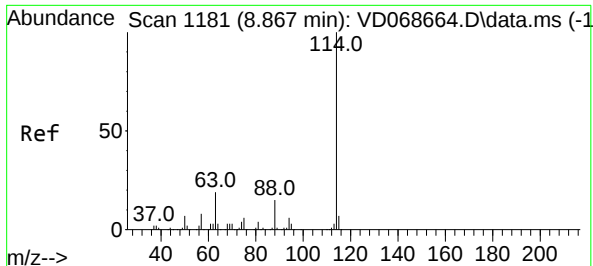
Tgt Ion:168 Resp: 178004  
Ion Ratio Lower Upper  
168 100  
99 53.3 46.2 69.2



#33  
1,2-Dichloroethane-d4  
Concen: 64.32 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

Tgt Ion: 65 Resp: 115454  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 106.0



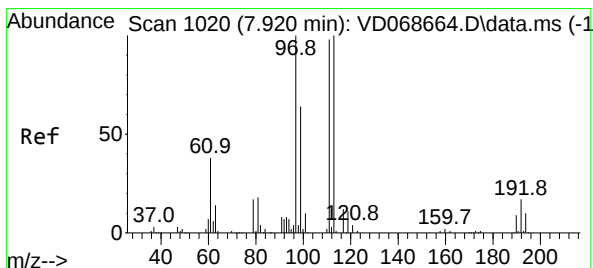
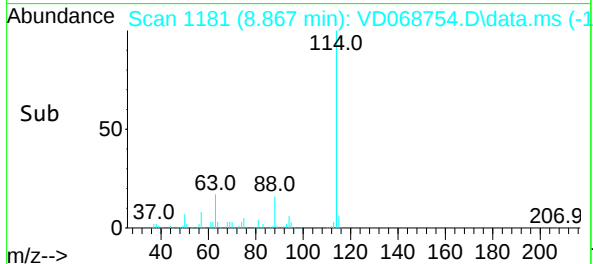
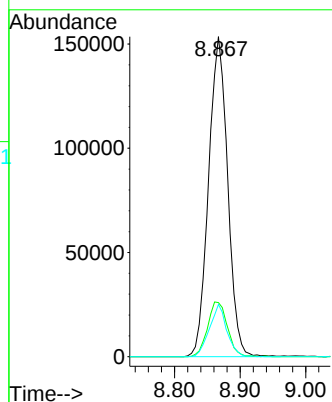
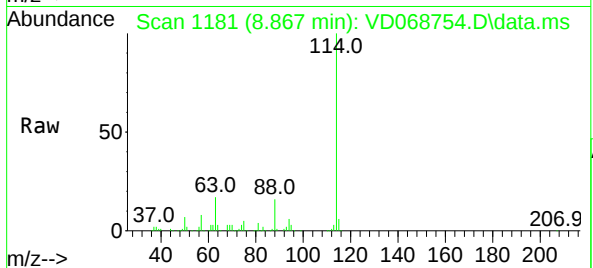


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-124035

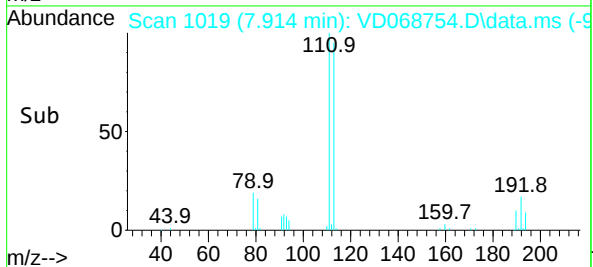
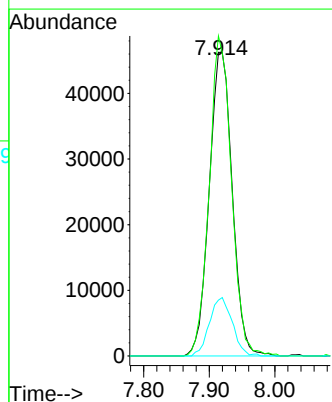
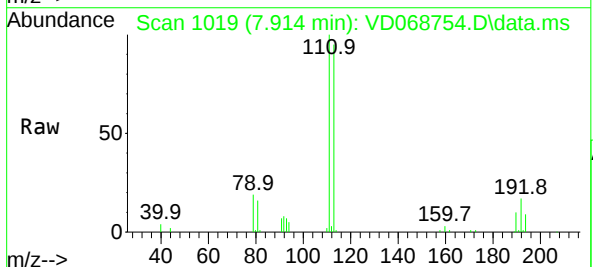
Tgt Ion:114 Resp: 310755  
Ion Ratio Lower Upper  
114 100  
63 16.9 0.0 38.2  
88 16.3 0.0 29.4

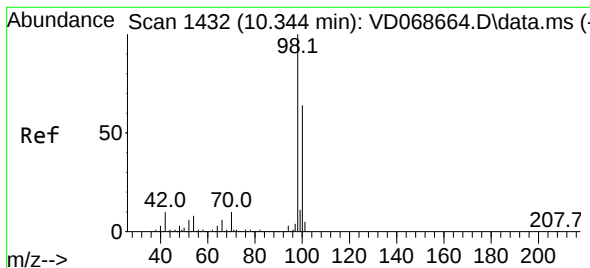


#35

Dibromofluoromethane  
Concen: 58.38 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

Tgt Ion:113 Resp: 112884  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.5 123.7  
192 19.1 15.1 22.7

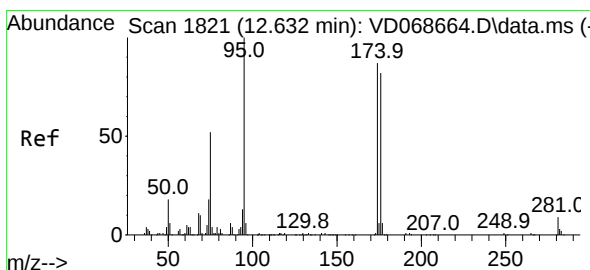
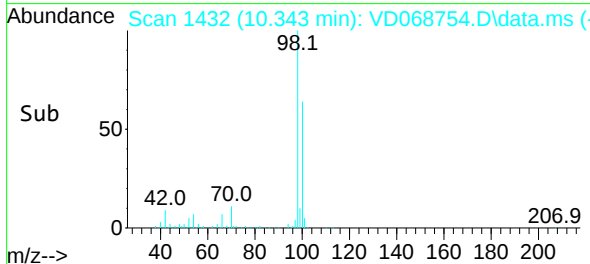
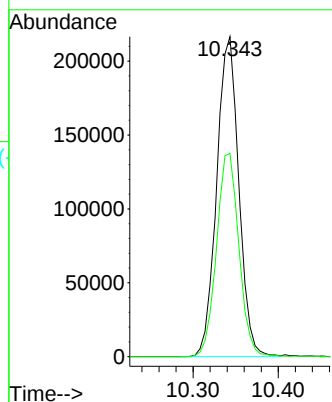
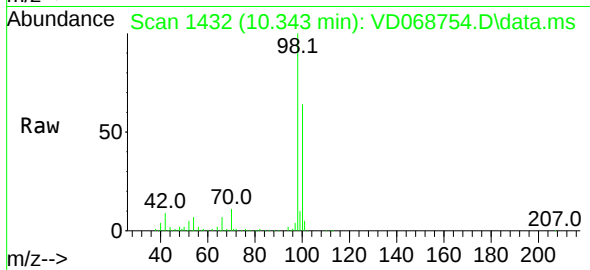




#50  
Toluene-d8  
Concen: 52.40 ug/l  
RT: 10.343 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

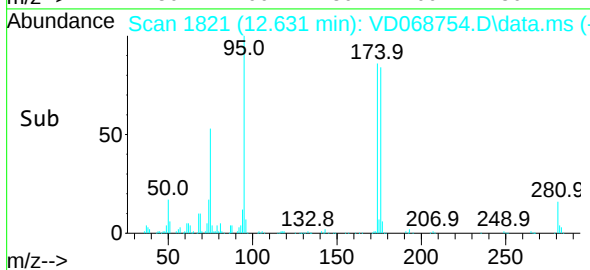
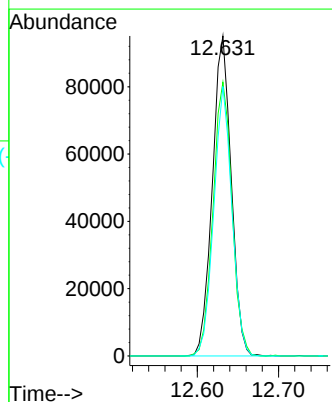
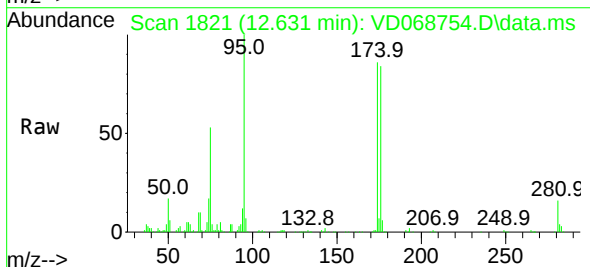
Instrument :  
MSVOA\_D  
ClientSampleId :  
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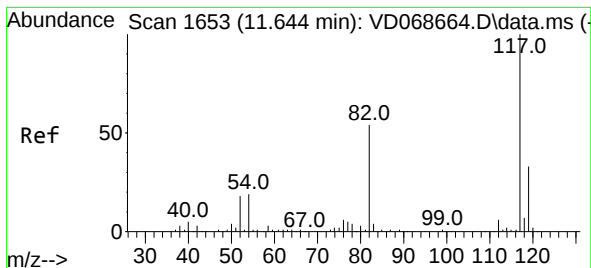
Tgt Ion: 98 Resp: 390586  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 63.60 ug/l  
RT: 12.631 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

Tgt Ion: 95 Resp: 153722  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 168.0  
176 81.0 0.0 160.2

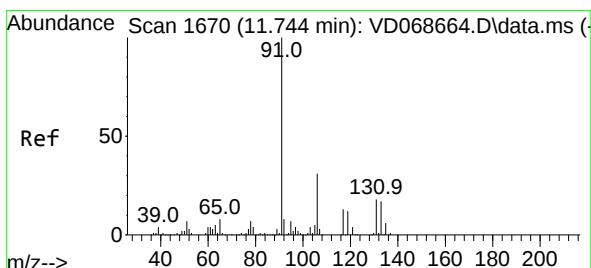
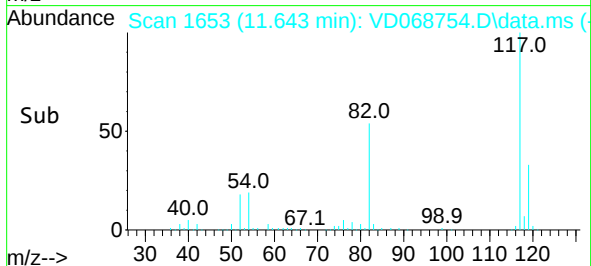
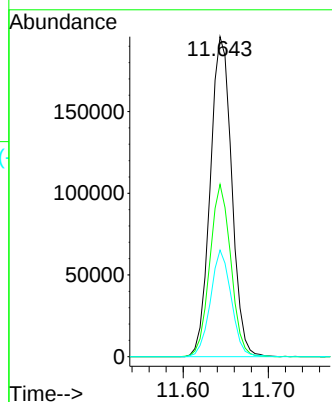
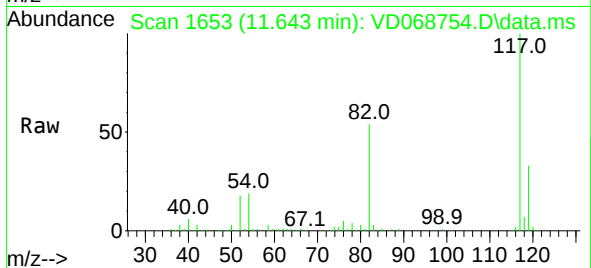




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

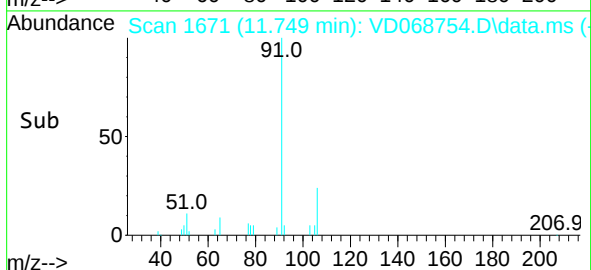
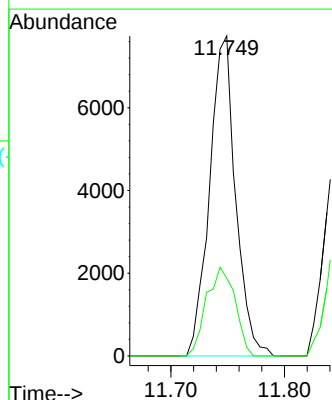
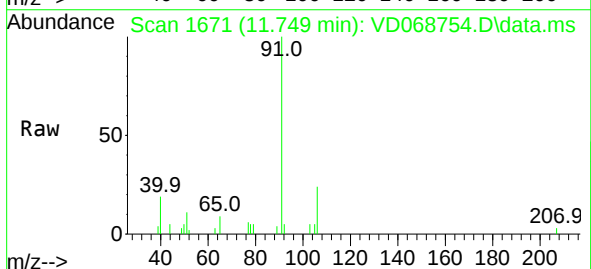
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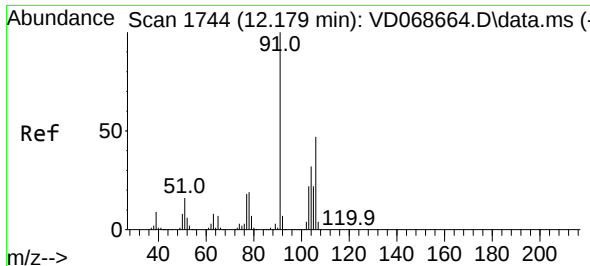
Tgt Ion:117 Resp: 342355  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.5 65.3  
119 33.3 26.7 40.1



#67  
Ethyl Benzene  
Concen: 1.05 ug/l  
RT: 11.749 min Scan# 1671  
Delta R.T. 0.006 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

Tgt Ion: 91 Resp: 12334  
Ion Ratio Lower Upper  
91 100  
106 24.3 25.1 37.7#

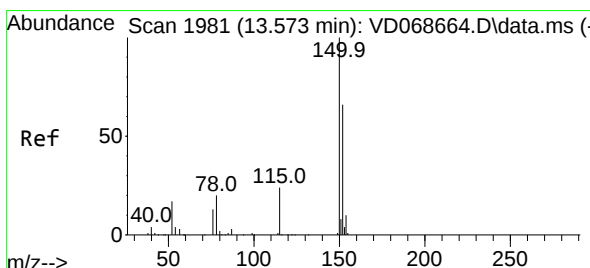
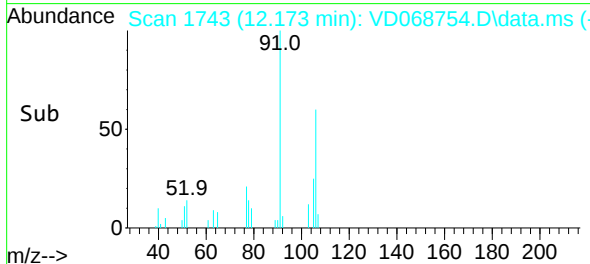
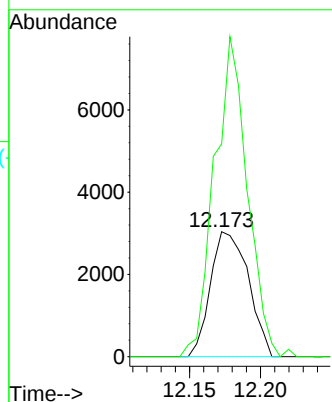
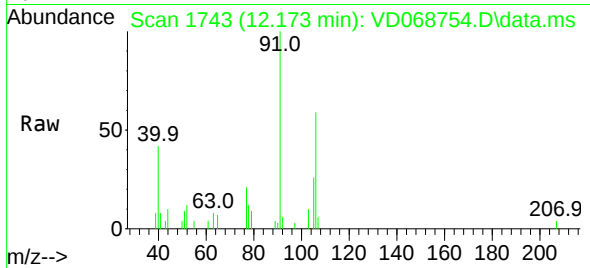




#69  
o-Xylene  
Concen: 1.33 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. -0.006 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

Instrument :  
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RO-124035

Tgt Ion:106 Resp: 5639  
Ion Ratio Lower Upper  
106 100  
91 222.5 105.0 315.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: VD068754.D  
Acq: 01 Apr 2021 13:11

Tgt Ion:152 Resp: 168913  
Ion Ratio Lower Upper  
152 100  
115 57.6 29.3 87.8  
150 160.7 0.0 347.6

