

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052322\  
 Data File : VD073297.D  
 Acq On : 23 May 2022 23:03  
 Operator : VA/SY  
 Sample : VD0523SBL02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0523SBL03

Quant Time: May 24 03:30:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 302501   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 535253   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.632 | 117  | 562622   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 261557   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 169078   | 50.576   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 101.160% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 182689   | 51.725   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.440% |
| 50) Toluene-d8              | 10.332 | 98    | 656174   | 50.399   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.800% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 249952   | 54.704   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 109.400% |

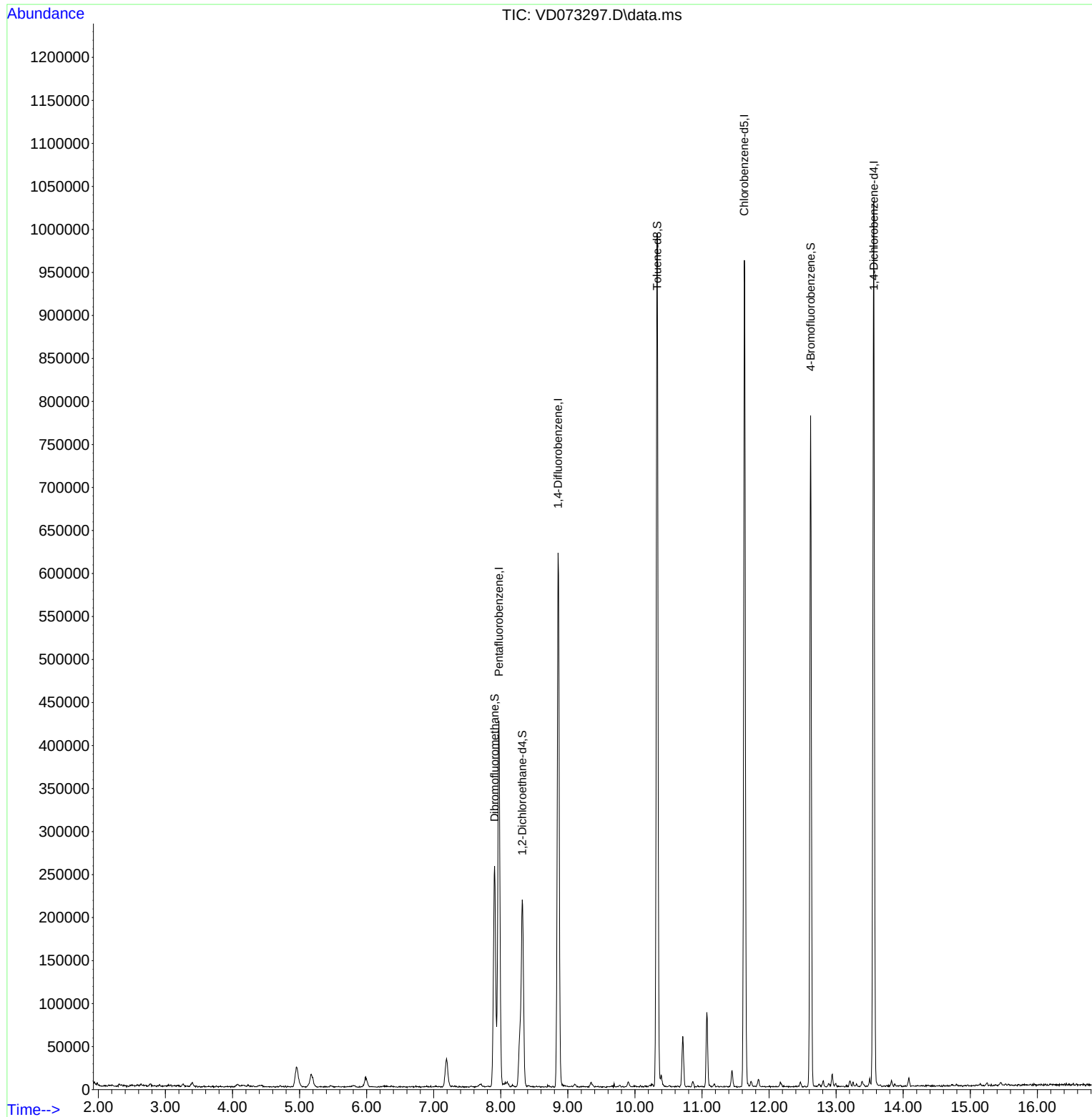
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

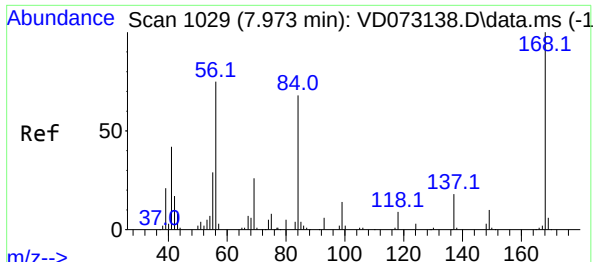
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0523SBL02  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0523SBL03

Quant Time: May 24 03:30:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration

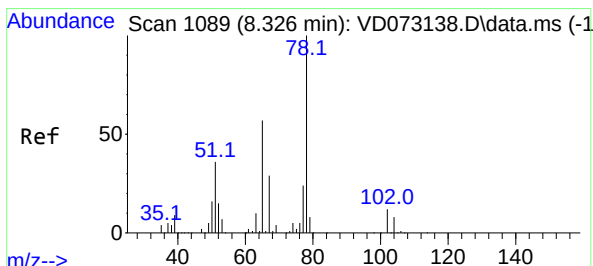
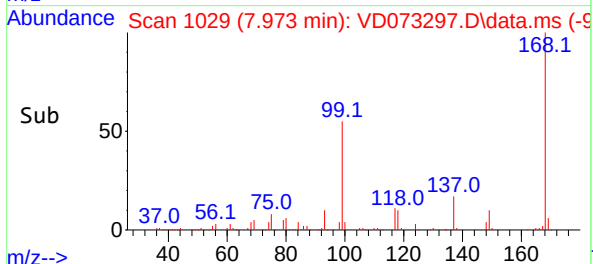
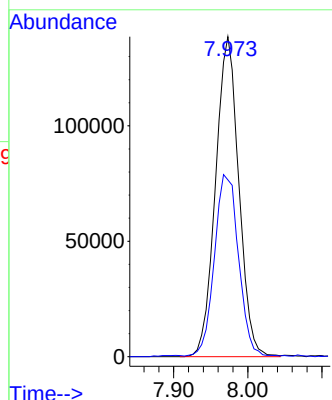
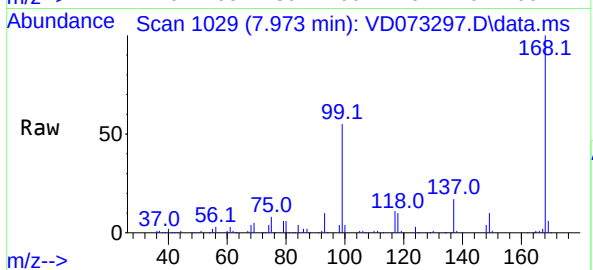




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073297.D  
Acq: 23 May 2022 23:03

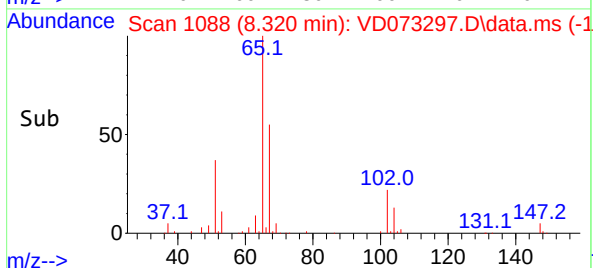
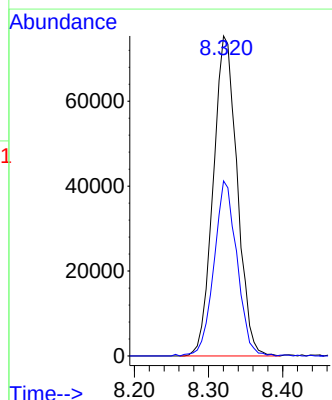
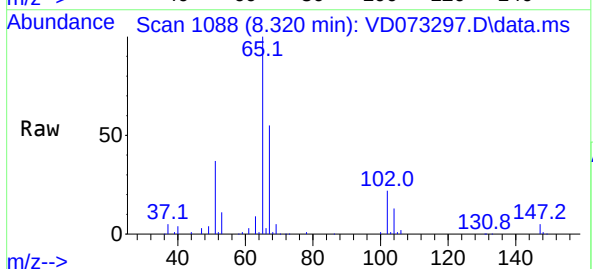
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0523SBL03

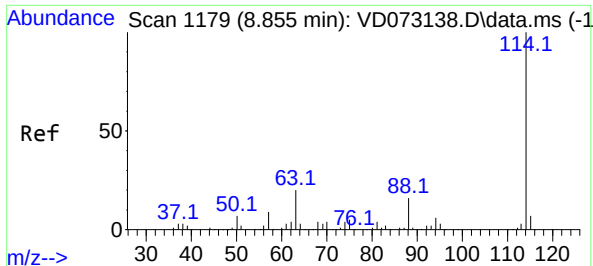
Tgt Ion:168 Resp: 302501  
Ion Ratio Lower Upper  
168 100  
99 55.0 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 50.576 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD073297.D  
Acq: 23 May 2022 23:03

Tgt Ion: 65 Resp: 169078  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 101.4

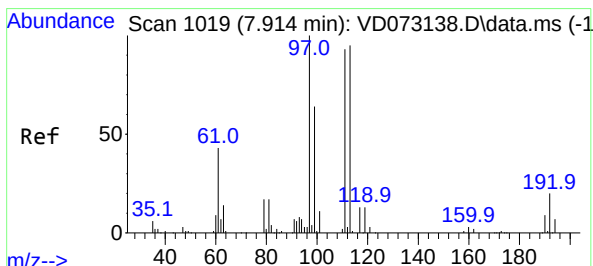
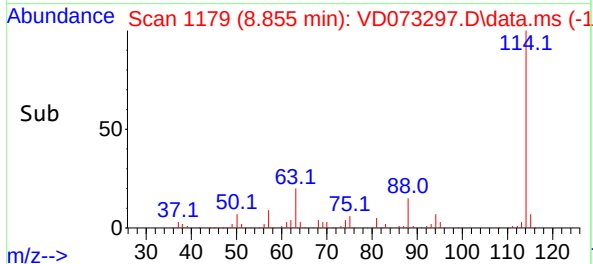
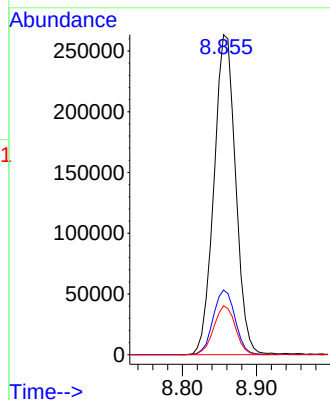
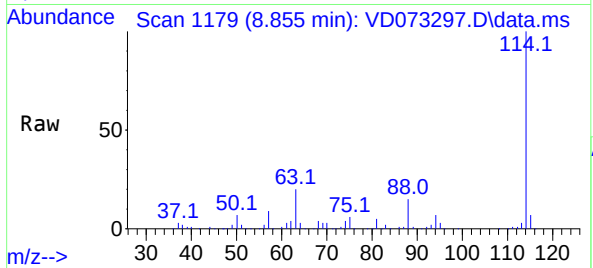




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VD073297.D  
Acq: 23 May 2022 23:03

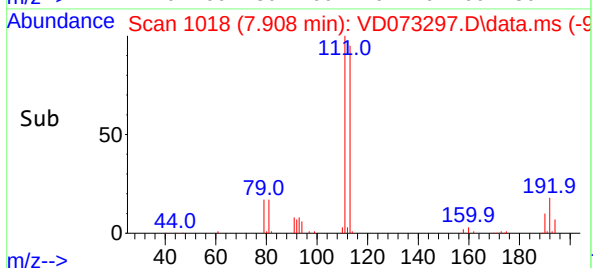
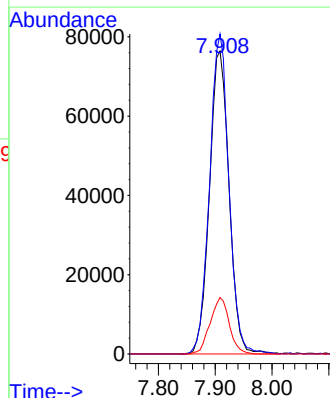
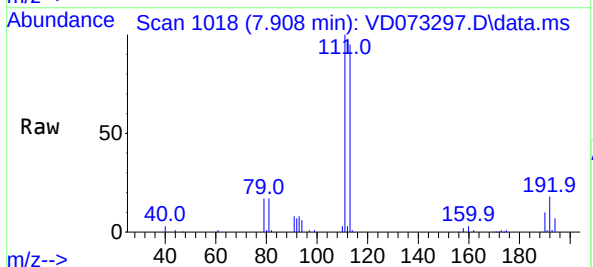
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0523SBL03

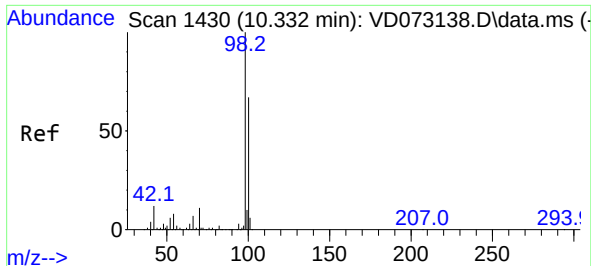
Tgt Ion:114 Resp: 535253  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 46.6  
88 15.3 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 51.725 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD073297.D  
Acq: 23 May 2022 23:03

Tgt Ion:113 Resp: 182689  
Ion Ratio Lower Upper  
113 100  
111 104.3 83.8 125.6  
192 18.2 14.6 21.8

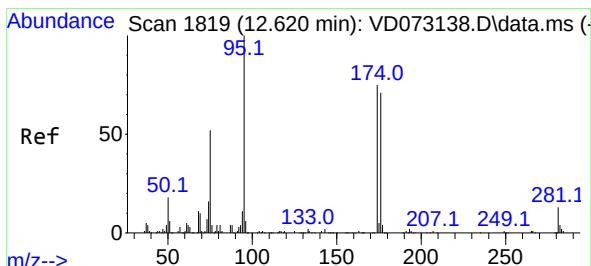
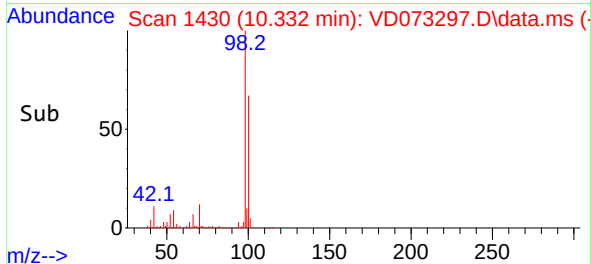
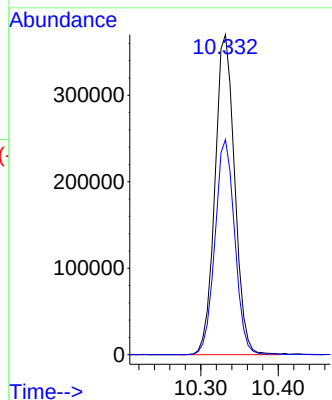
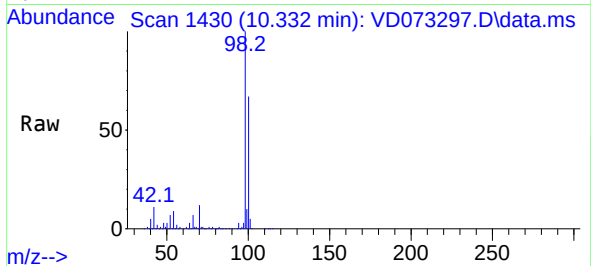




#50  
Toluene-d8  
Concen: 50.399 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073297.D  
Acq: 23 May 2022 23:03

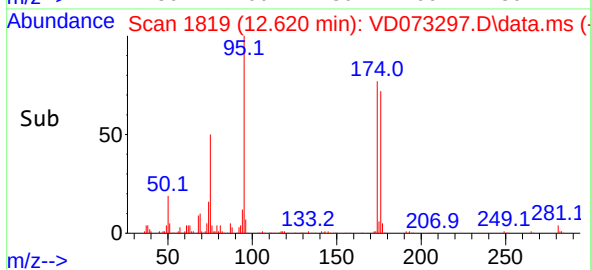
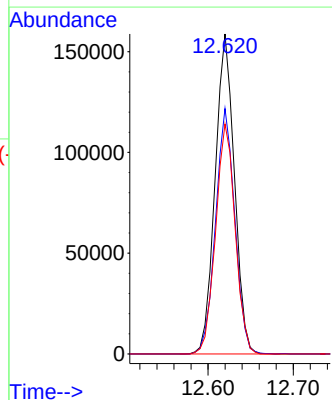
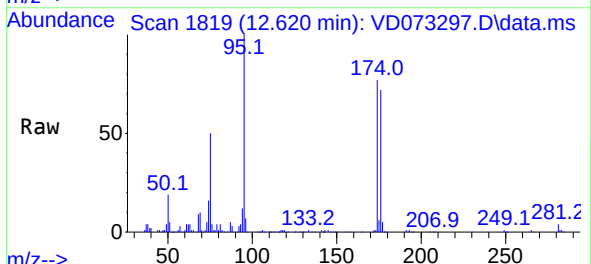
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0523SBL03

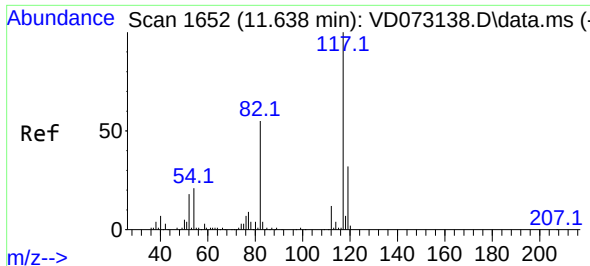
Tgt Ion: 98 Resp: 656174  
Ion Ratio Lower Upper  
98 100  
100 67.1 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 54.704 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073297.D  
Acq: 23 May 2022 23:03

Tgt Ion: 95 Resp: 249952  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 152.8  
176 72.7 0.0 145.4

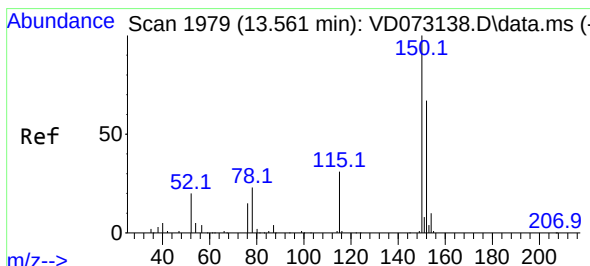
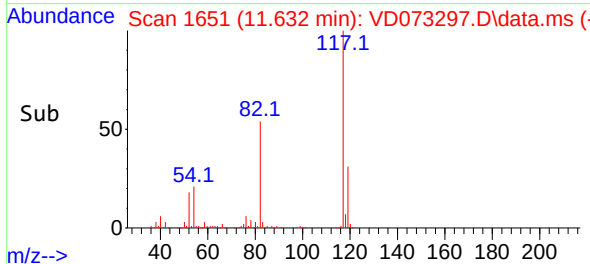
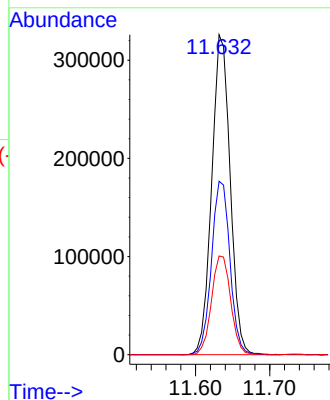
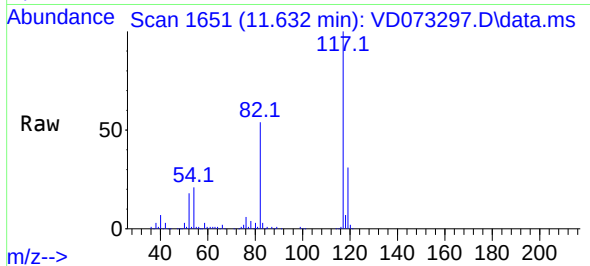




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VD073297.D  
Acq: 23 May 2022 23:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0523SBL03

Tgt Ion:117 Resp: 562622  
Ion Ratio Lower Upper  
117 100  
82 54.2 45.3 67.9  
119 30.8 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073297.D  
Acq: 23 May 2022 23:03

Tgt Ion:152 Resp: 261557  
Ion Ratio Lower Upper  
152 100  
115 60.9 31.3 93.8  
150 156.5 0.0 348.6

