

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050721\  
 Data File : VD069108.D  
 Acq On : 07 May 2021 17:51  
 Operator : VA/SY  
 Sample : M2309-01  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MH-TP1

Quant Time: May 08 00:09:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 05 04:16:41 2021  
 Response via : Initial Calibration

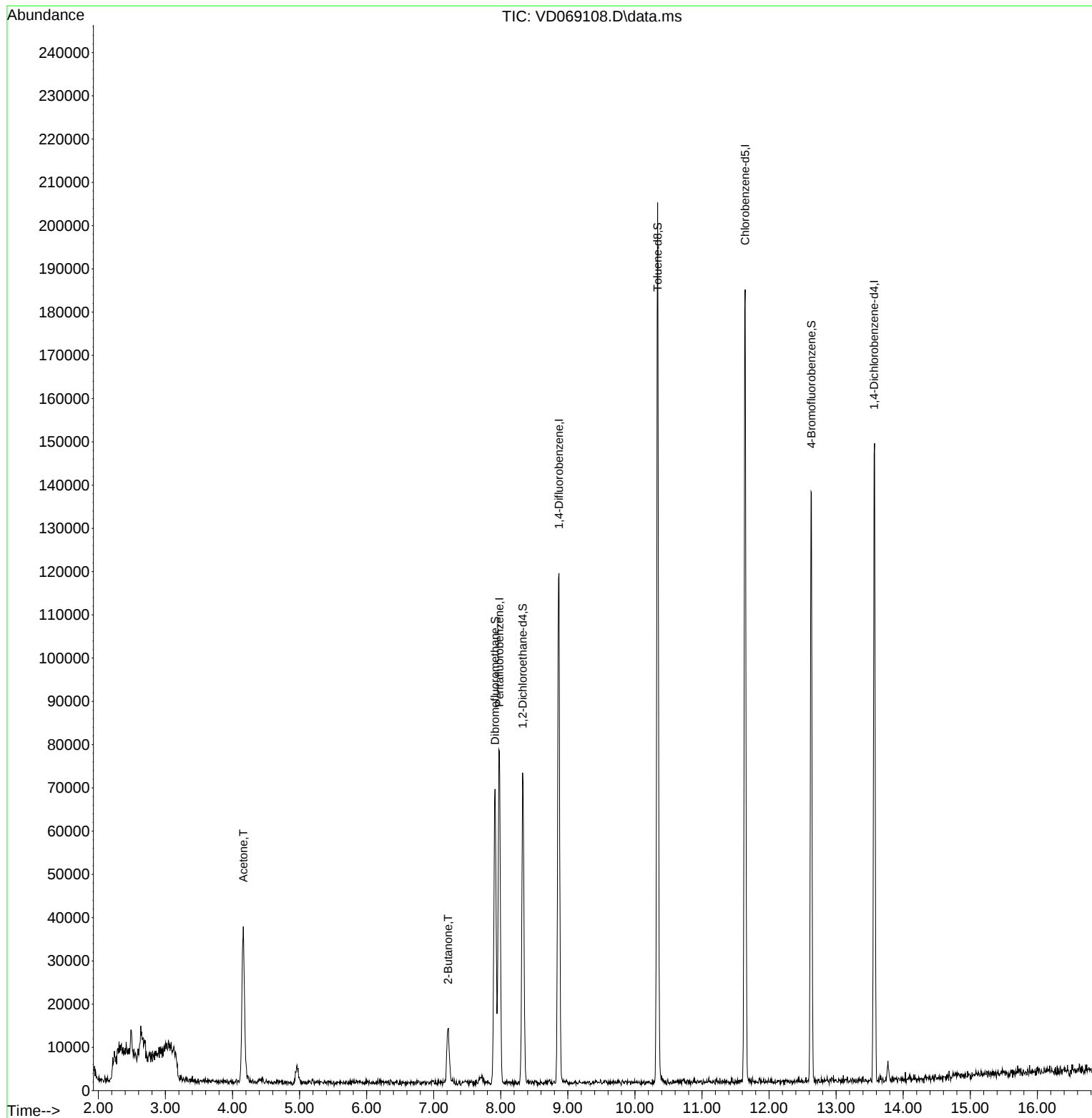
| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 58696    | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 107455   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.643 | 117   | 111813   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 40398    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 56018    | 74.05    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 148.10% |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 49019    | 66.52    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 133.04% |          |
| 50) Toluene-d8              | 10.337 | 98    | 138314   | 50.84    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 101.68% |          |
| 62) 4-Bromofluorobenzene    | 12.631 | 95    | 41110    | 45.94    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 91.88%  |          |
| Target Compounds            |        |       |          |          |           |          |
|                             |        |       |          |          |           | Qvalue   |
| 16) Acetone                 | 4.161  | 43    | 59254    | 591.64   | ug/l      | 89       |
| 25) 2-Butanone              | 7.214  | 43    | 19329    | 119.52   | ug/l      | 96       |
| -----                       |        |       |          |          |           |          |

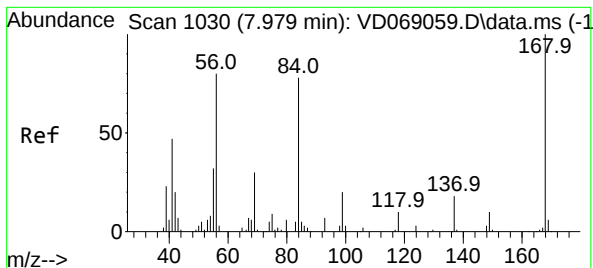
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MH-TP1

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Quant Title : SW846 8260  
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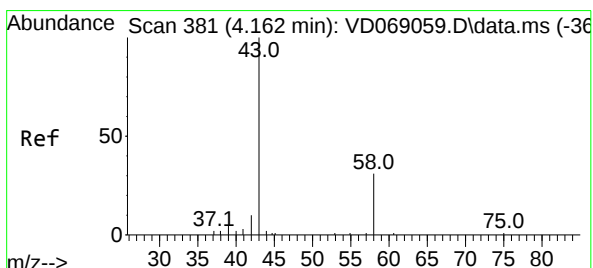
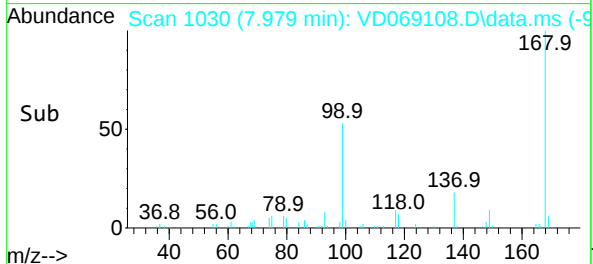
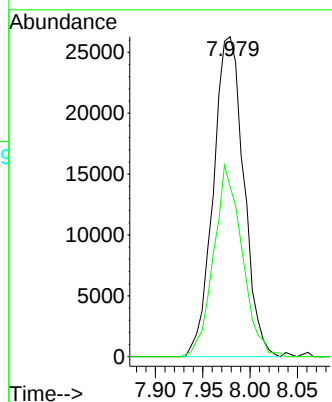
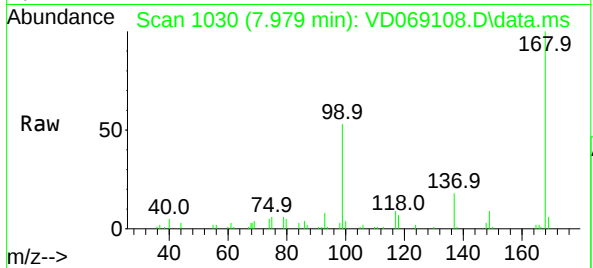




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD069108.D  
Acq: 07 May 2021 17:51

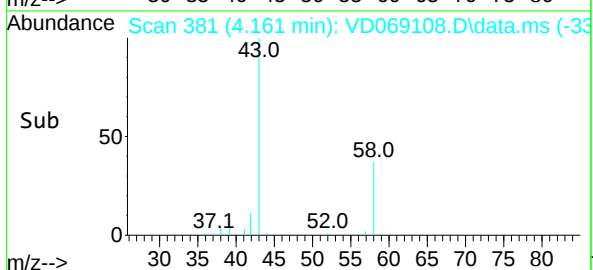
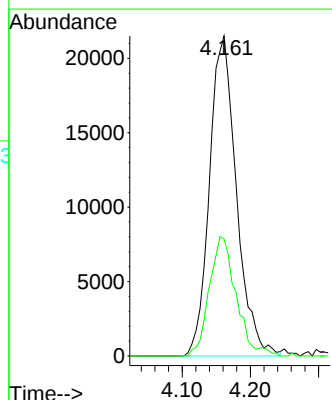
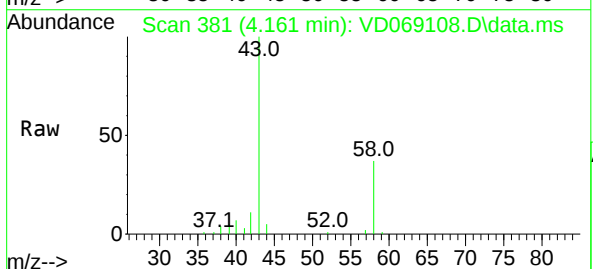
Instrument :  
MSVOA\_D  
ClientSampleId :  
MH-TP1

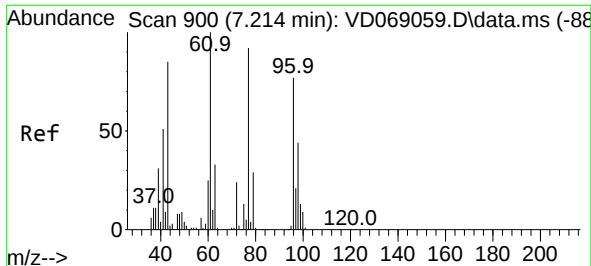
Tgt Ion:168 Resp: 58696  
Ion Ratio Lower Upper  
168 100  
99 53.1 52.6 78.8



#16  
Acetone  
Concen: 591.64 ug/l  
RT: 4.161 min Scan# 381  
Delta R.T. -0.001 min  
Lab File: VD069108.D  
Acq: 07 May 2021 17:51

Tgt Ion: 43 Resp: 59254  
Ion Ratio Lower Upper  
43 100  
58 36.7 24.5 36.7

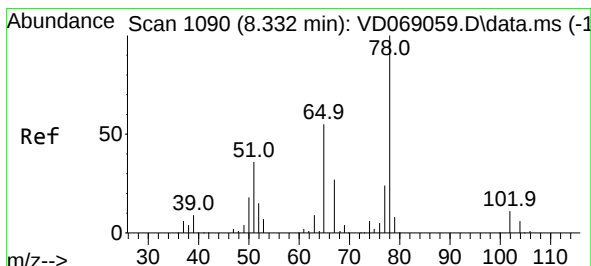
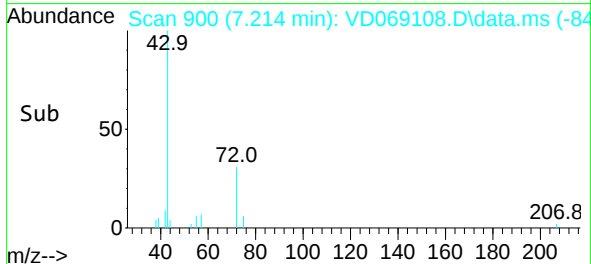
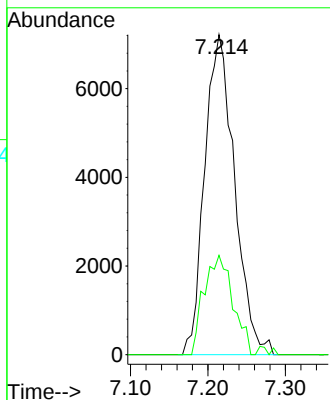
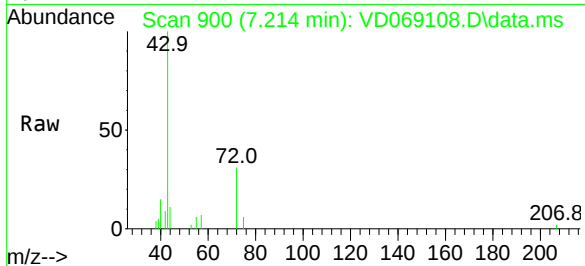




#25  
2-Butanone  
Concen: 119.52 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. -0.000 min  
Lab File: VD069108.D  
Acq: 07 May 2021 17:51

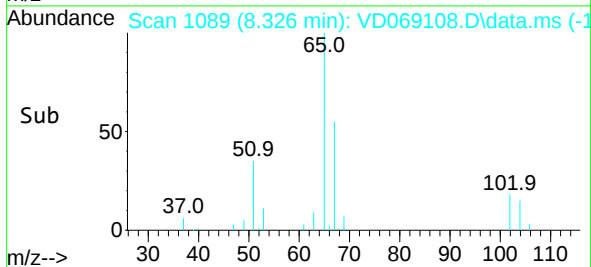
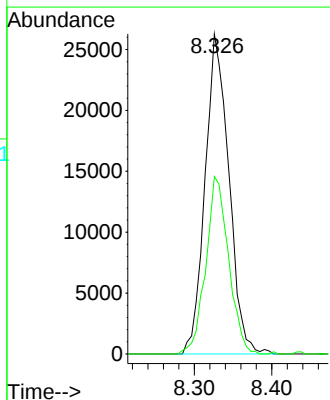
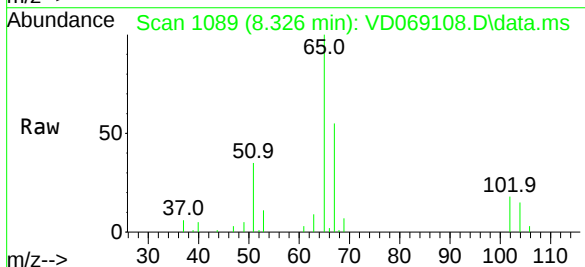
Instrument :  
MSVOA\_D  
ClientSampleId :  
MH-TP1

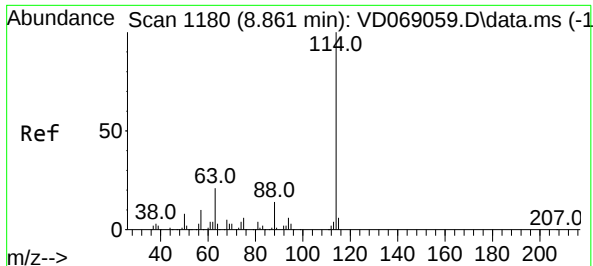
Tgt Ion: 43 Resp: 19329  
Ion Ratio Lower Upper  
43 100  
72 31.0 23.0 34.4



#33  
1,2-Dichloroethane-d4  
Concen: 74.05 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD069108.D  
Acq: 07 May 2021 17:51

Tgt Ion: 65 Resp: 56018  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD069108.D

Acq: 07 May 2021 17:51

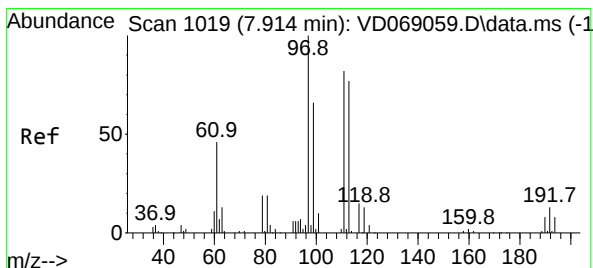
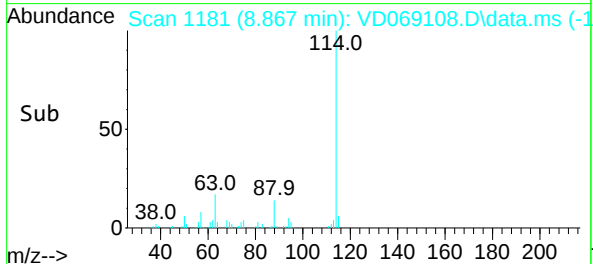
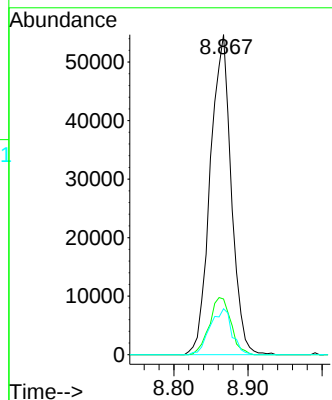
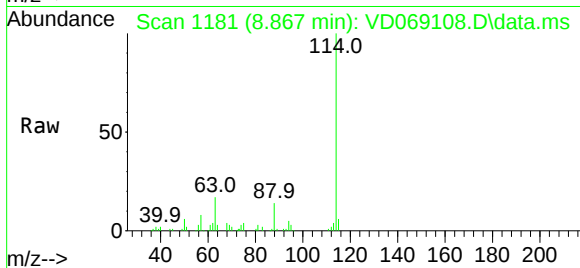
Tgt Ion:114 Resp: 107455

Ion Ratio Lower Upper

114 100

63 17.4 0.0 41.4

88 14.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 66.52 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069108.D

Acq: 07 May 2021 17:51

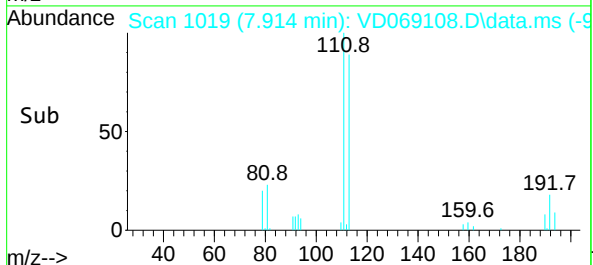
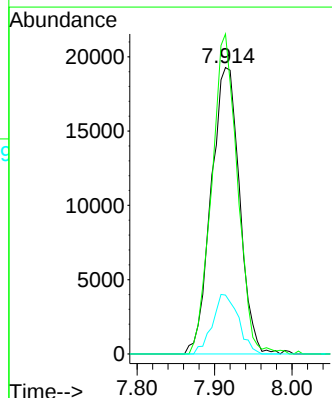
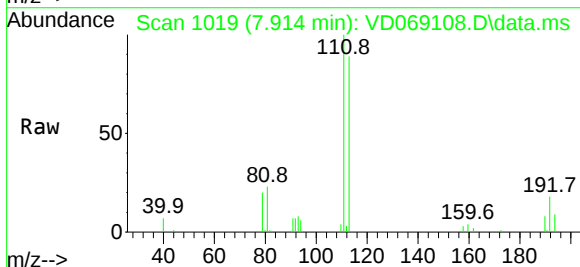
Tgt Ion:113 Resp: 49019

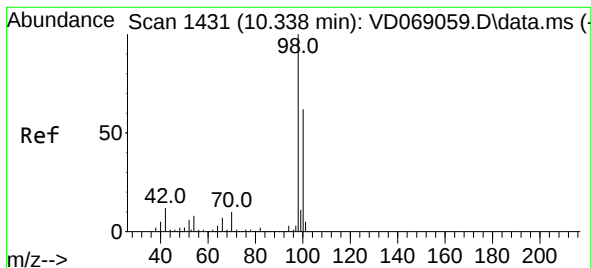
Ion Ratio Lower Upper

113 100

111 101.7 84.6 126.8

192 19.1 13.5 20.3

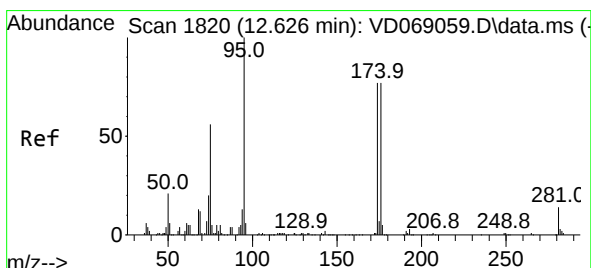
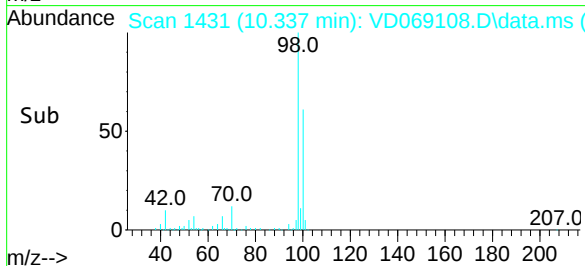
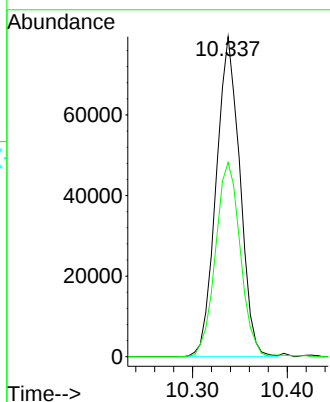
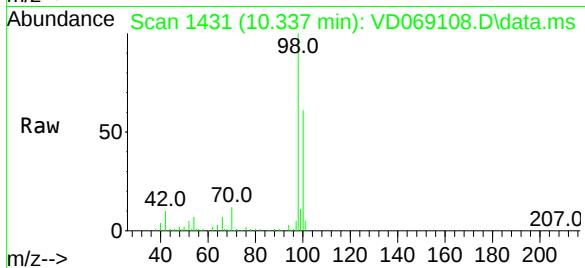




#50  
Toluene-d8  
Concen: 50.84 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069108.D  
Acq: 07 May 2021 17:51

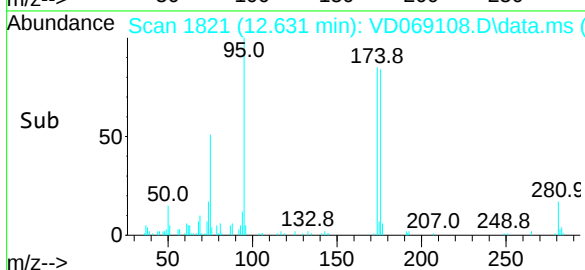
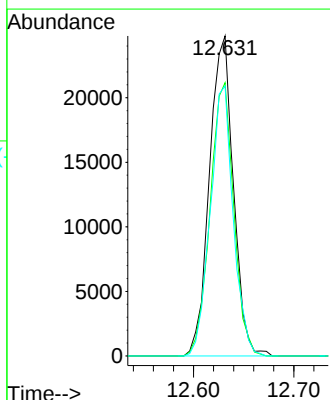
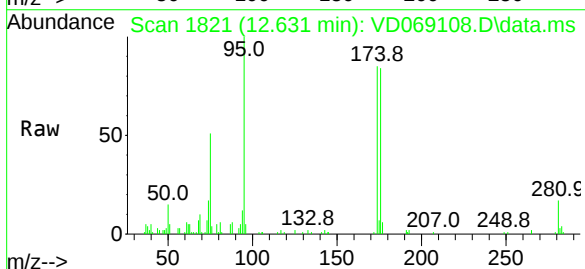
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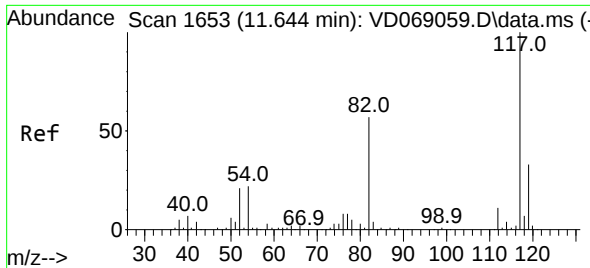
Tgt Ion: 98 Resp: 138314  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 45.94 ug/l  
RT: 12.631 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD069108.D  
Acq: 07 May 2021 17:51

Tgt Ion: 95 Resp: 41110  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 156.0  
176 80.8 0.0 149.4

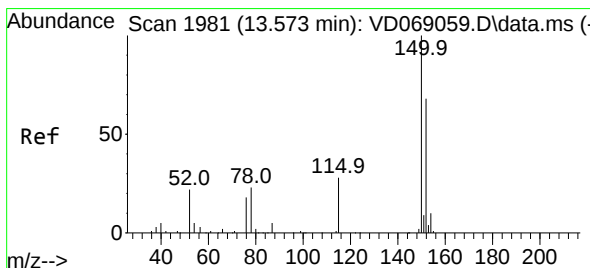
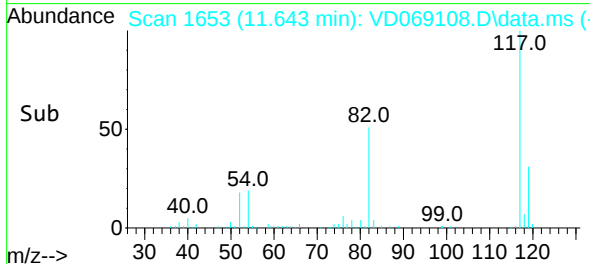
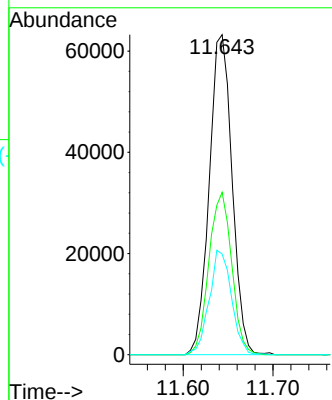
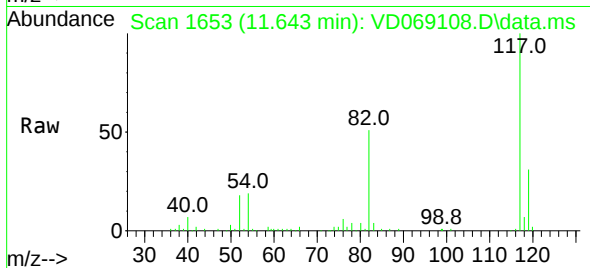




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: VD069108.D  
Acq: 07 May 2021 17:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
MH-TP1

Tgt Ion:117 Resp: 111813  
Ion Ratio Lower Upper  
117 100  
82 50.8 45.4 68.2  
119 31.4 26.8 40.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.006 min  
Lab File: VD069108.D  
Acq: 07 May 2021 17:51

Tgt Ion:152 Resp: 40398  
Ion Ratio Lower Upper  
152 100  
115 56.6 30.5 91.5  
150 158.2 0.0 340.8

