

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060421\  
 Data File : VD069349.D  
 Acq On : 04 Jun 2021 16:48  
 Operator : VA/SY  
 Sample : M2602-01  
 Misc : 7.06G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SU-02-060321

Quant Time: Jun 05 00:36:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 02 02:17:36 2021  
 Response via : Initial Calibration

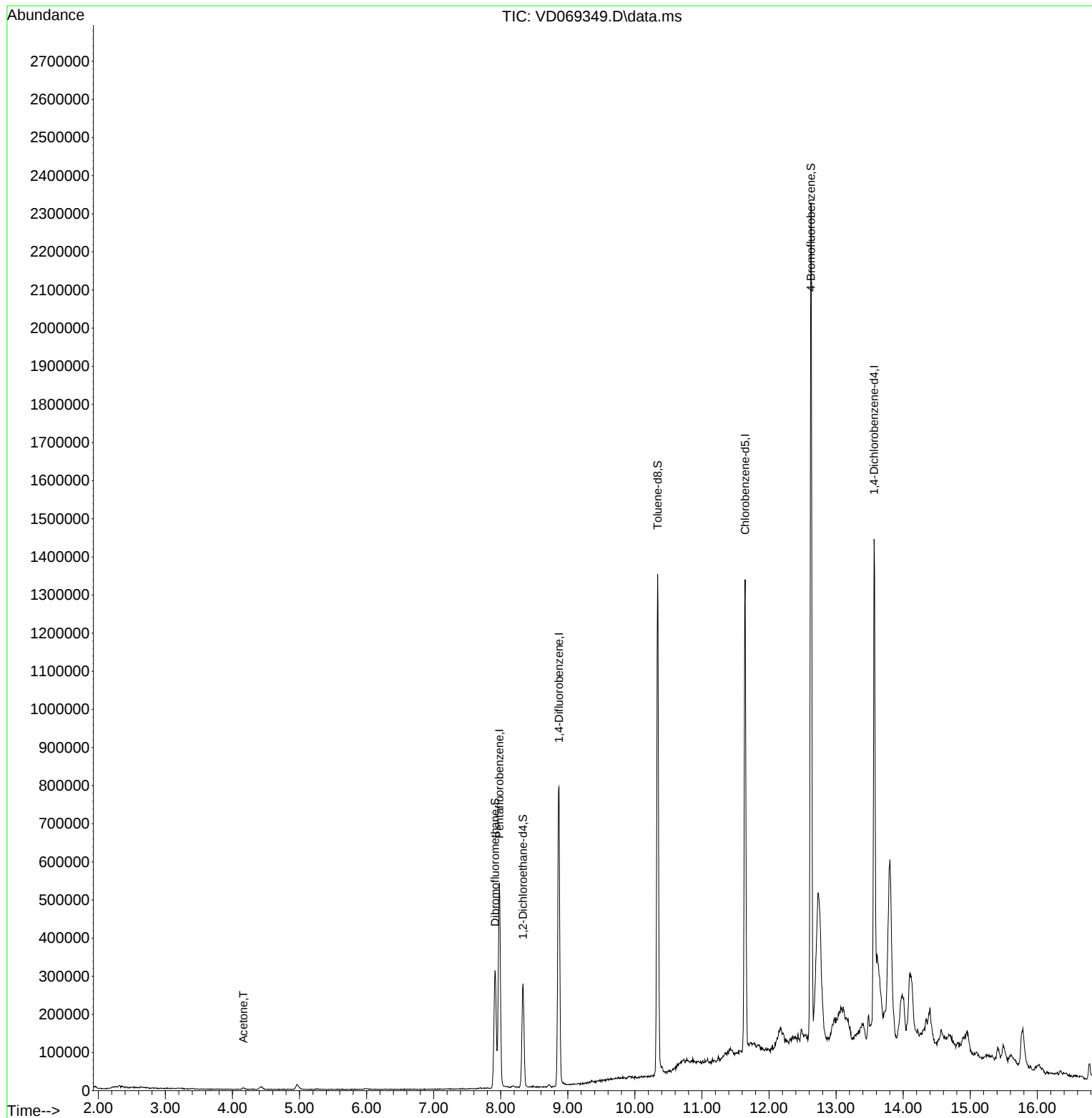
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 401476   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 714953   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 747017   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 351877   | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 221069   | 57.387   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 114.780% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 229484   | 51.113   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 102.220% |
| 50) Toluene-d8              | 10.338 | 98    | 942363   | 57.720   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 115.440% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 347075   | 64.878   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 129.760% |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 16) Acetone                 | 4.162  | 43    | 6627     | 9.858    | ug/l  | 100      |
| -----                       |        |       |          |          |       |          |

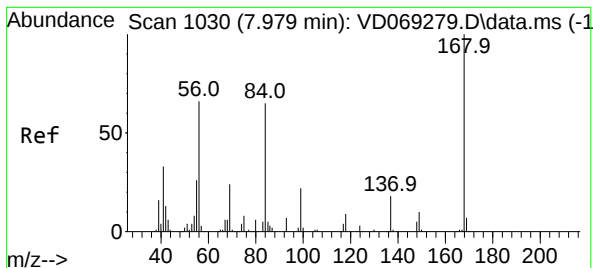
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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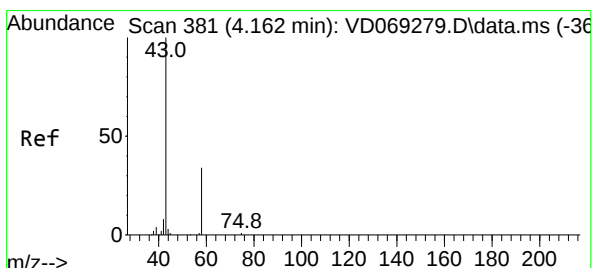
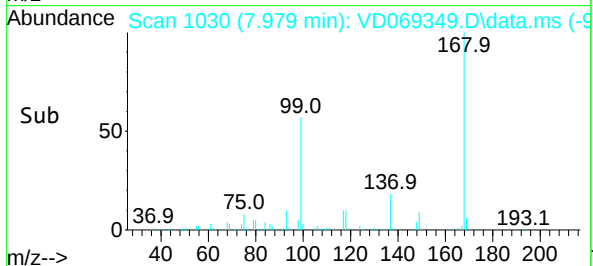
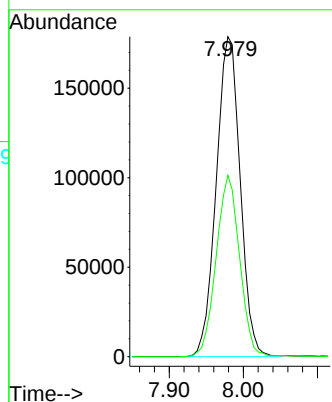
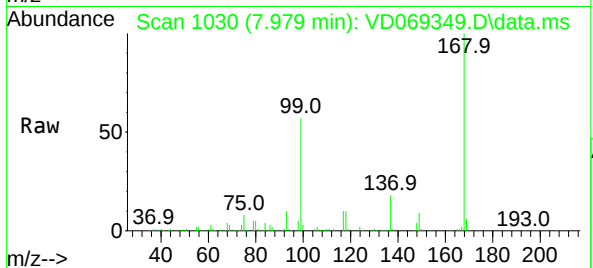




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069349.D  
Acq: 04 Jun 2021 16:48

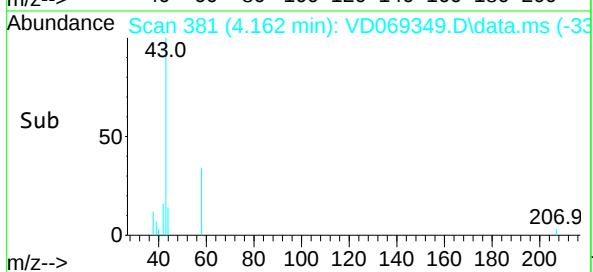
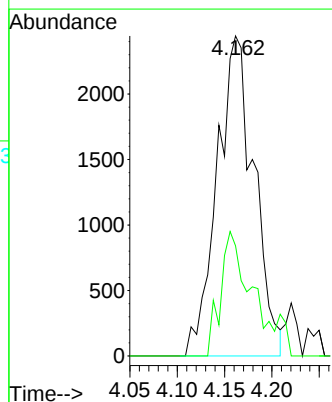
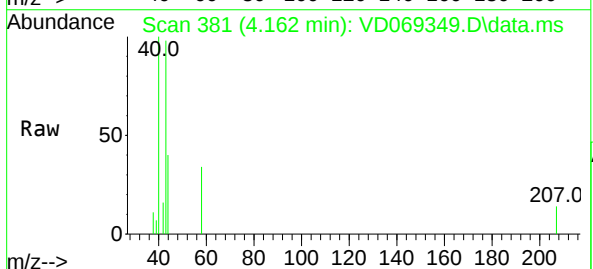
Instrument :  
MSVOA\_D  
ClientSampleId :  
SU-02-060321

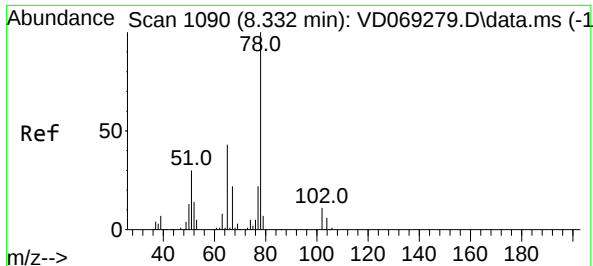
Tgt Ion:168 Resp: 401476  
Ion Ratio Lower Upper  
168 100  
99 56.7 46.2 69.2



#16  
Acetone  
Concen: 9.858 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD069349.D  
Acq: 04 Jun 2021 16:48

Tgt Ion: 43 Resp: 6627  
Ion Ratio Lower Upper  
43 100  
58 34.4 27.5 41.3



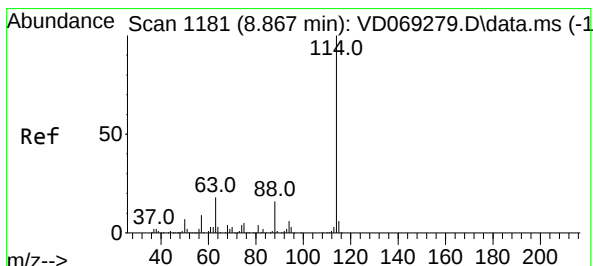
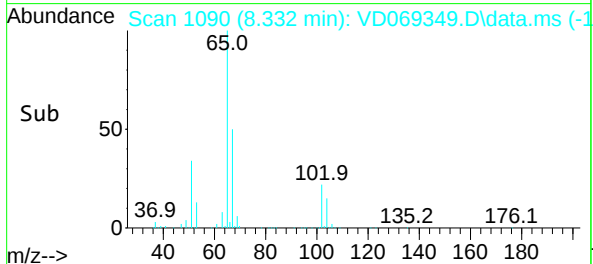
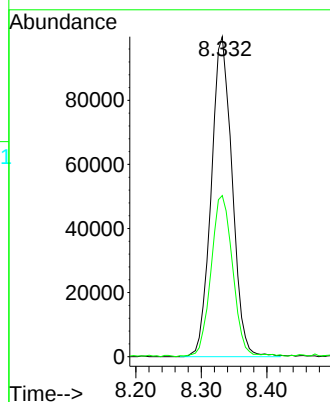
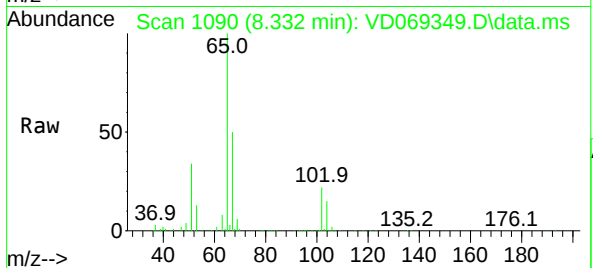


#33

1,2-Dichloroethane-d4  
Concen: 57.387 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069349.D  
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ClientSampleId :  
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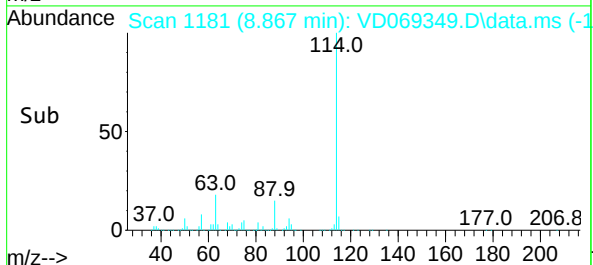
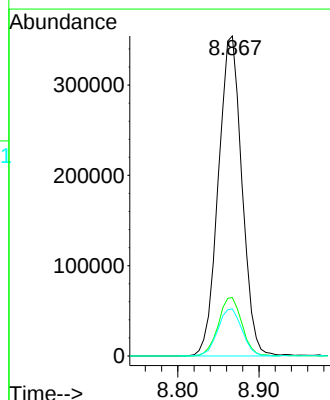
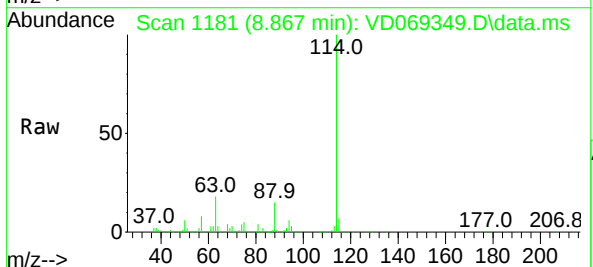
Tgt Ion: 65 Resp: 221069  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 105.8

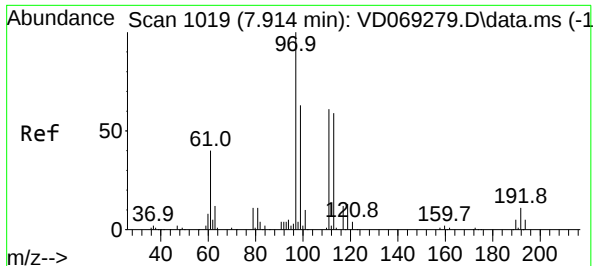


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069349.D  
Acq: 04 Jun 2021 16:48

Tgt Ion: 114 Resp: 714953  
Ion Ratio Lower Upper  
114 100  
63 18.2 0.0 35.6  
88 14.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.113 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069349.D

Acq: 04 Jun 2021 16:48

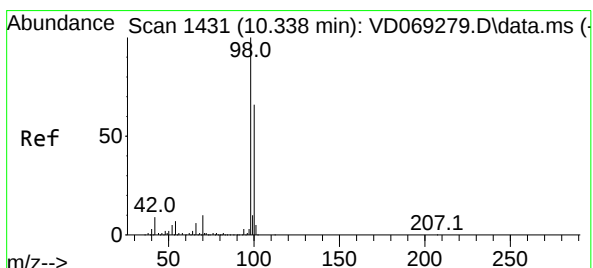
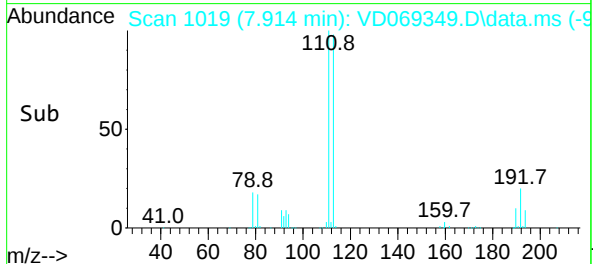
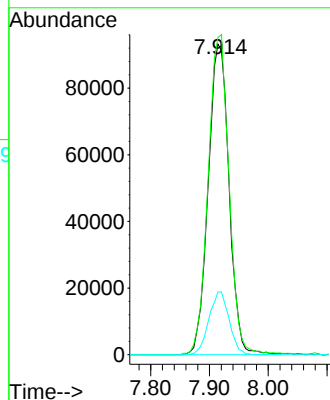
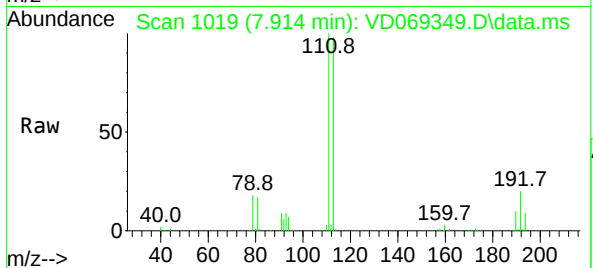
Tgt Ion:113 Resp: 229484

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.6

192 19.6 15.1 22.7



#50

Toluene-d8

Concen: 57.720 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VD069349.D

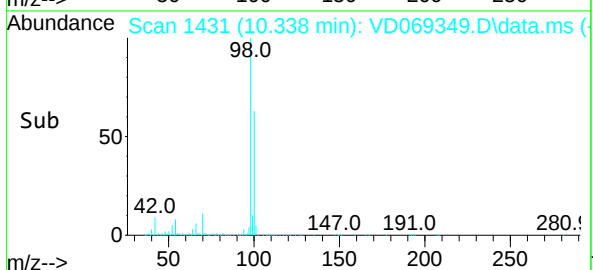
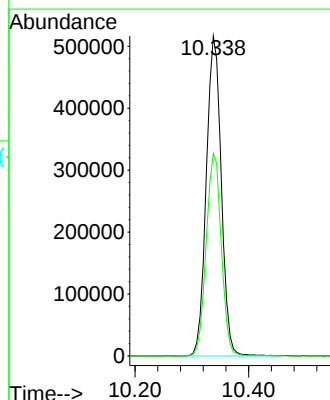
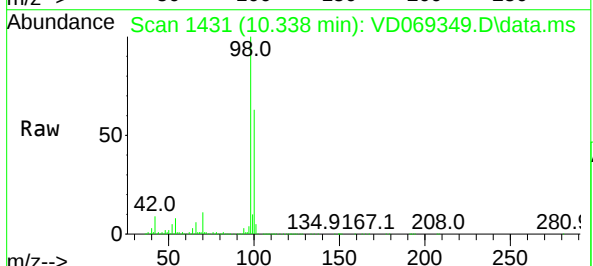
Acq: 04 Jun 2021 16:48

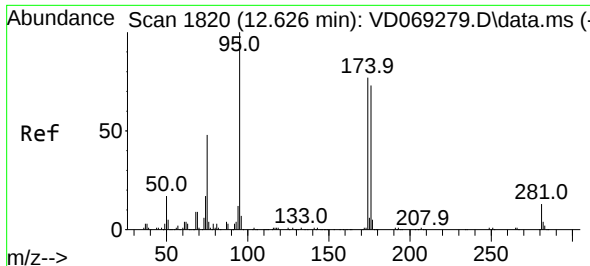
Tgt Ion: 98 Resp: 942363

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1

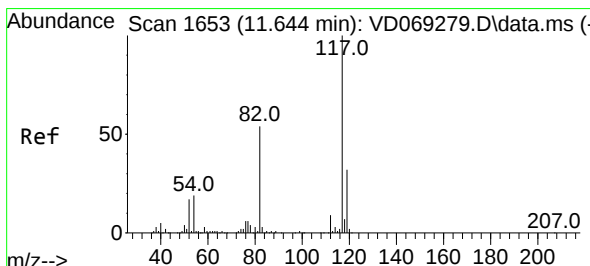
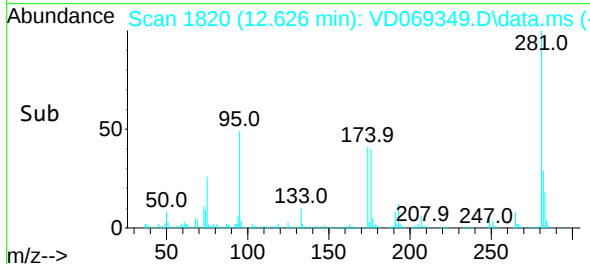
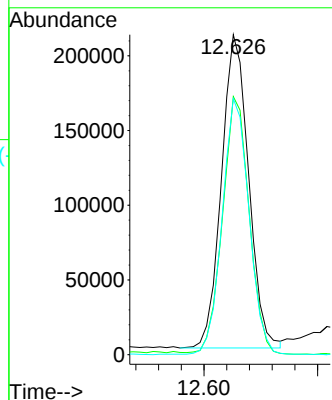
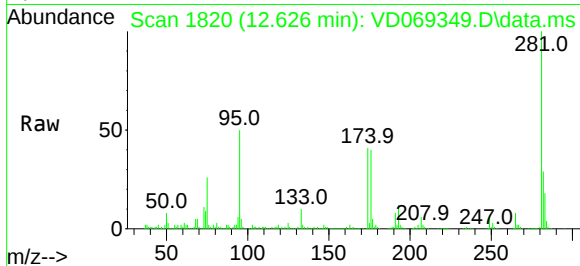




#62  
4-Bromofluorobenzene  
Concen: 64.878 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD069349.D  
Acq: 04 Jun 2021 16:48

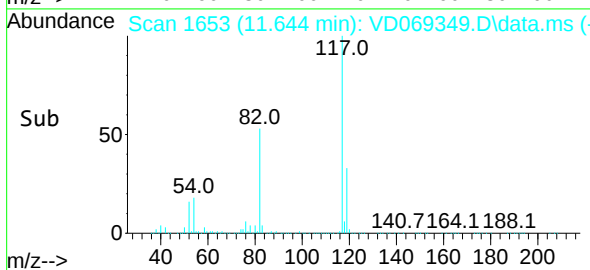
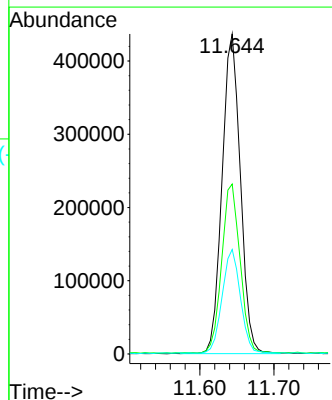
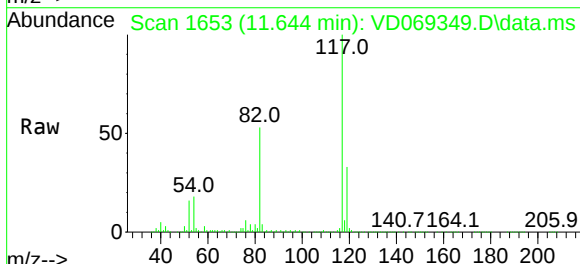
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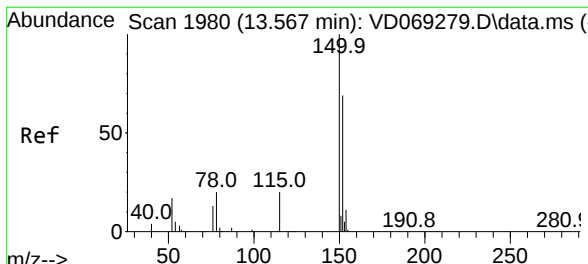
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 347075 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 81.0  | 0.0   | 162.8  |
| 176      | 81.2  | 0.0   | 154.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069349.D  
Acq: 04 Jun 2021 16:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 747017 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.8  | 43.3  | 64.9   |
| 119      | 32.4  | 25.3  | 37.9   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. 0.000 min  
 Lab File: VD069349.D  
 Acq: 04 Jun 2021 16:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SU-02-060321

Tgt Ion:152 Resp: 351877  
 Ion Ratio Lower Upper  
 152 100  
 115 59.9 29.4 88.3  
 150 154.6 0.0 355.0

