

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092121\  
 Data File : VD070403.D  
 Acq On : 21 Sep 2021 14:42  
 Operator : VA/SY  
 Sample : M3824-01  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-B

Quant Time: Sep 22 01:47:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 Response via : Initial Calibration

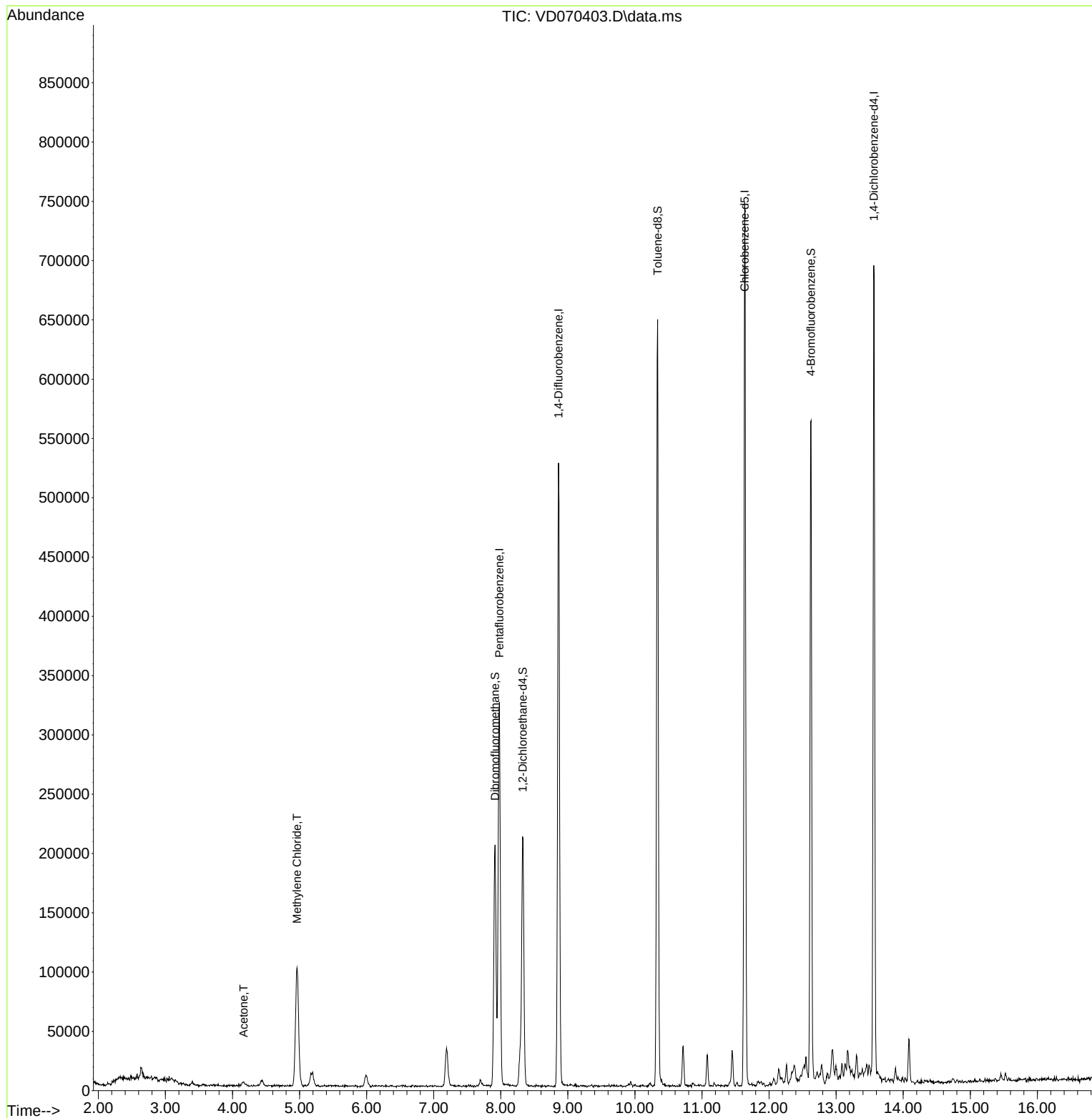
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 225721   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 445448   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 435676   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 182665   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 162783   | 56.165   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 112.320% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 148041   | 46.689   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 93.380%  |
| 50) Toluene-d8              | 10.338 | 98    | 449030   | 39.005   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 78.000%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 163308   | 40.590   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 81.180%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.167  | 43    | 6115     | 11.818   | ug/l   | 95       |
| 20) Methylene Chloride      | 4.961  | 84    | 83871    | 21.934   | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

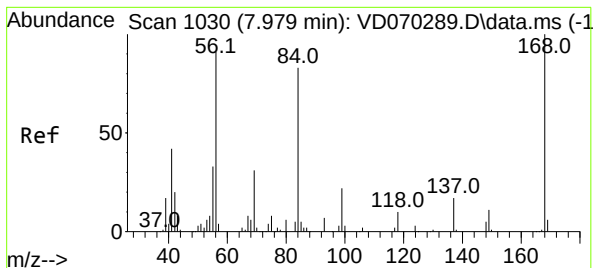
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Time: Sep 22 01:47:40 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 09 03:07:09 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070403.D

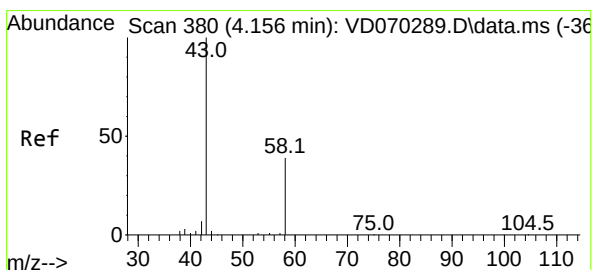
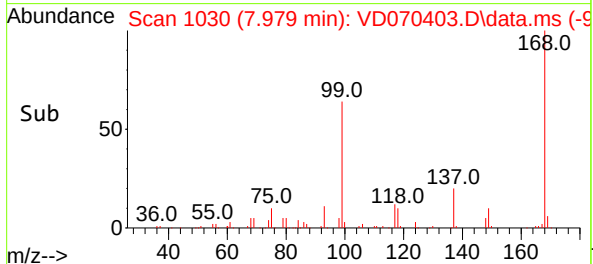
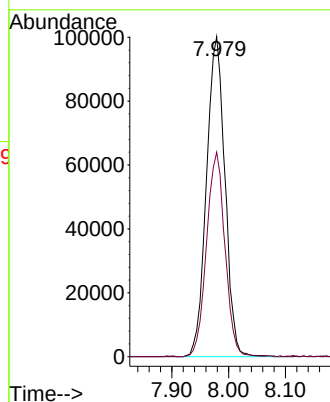
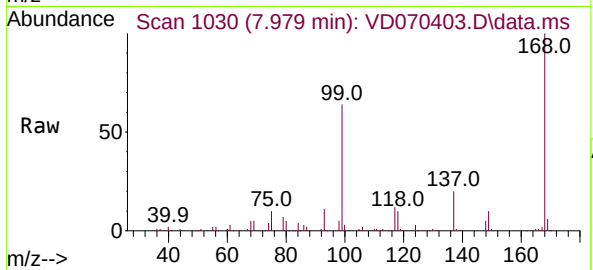
Acq: 21 Sep 2021 14:42

Tgt Ion:168 Resp: 225721

Ion Ratio Lower Upper

168 100

99 63.9 50.8 76.2



#16

Acetone

Concen: 11.818 ug/l

RT: 4.167 min Scan# 382

Delta R.T. 0.012 min

Lab File: VD070403.D

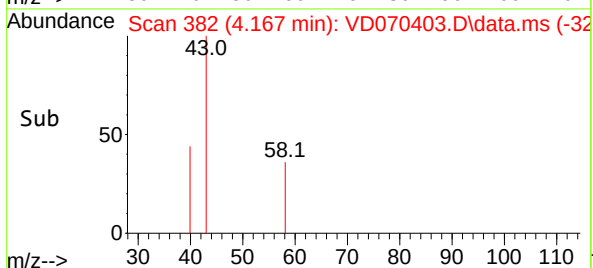
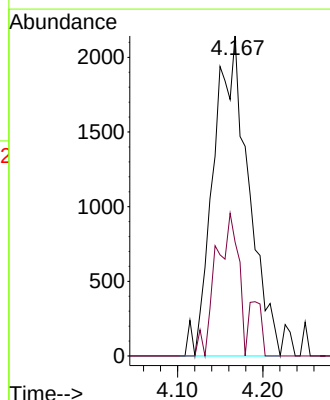
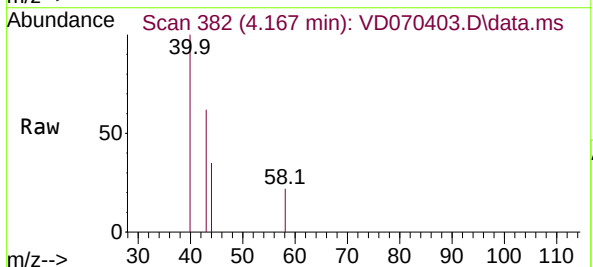
Acq: 21 Sep 2021 14:42

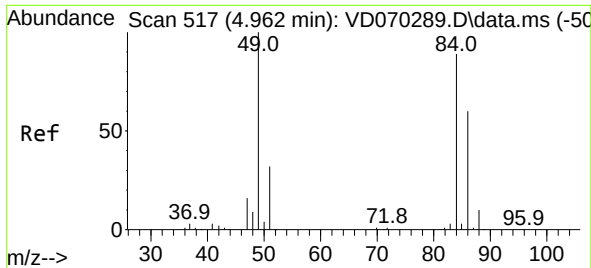
Tgt Ion: 43 Resp: 6115

Ion Ratio Lower Upper

43 100

58 35.6 30.9 46.3

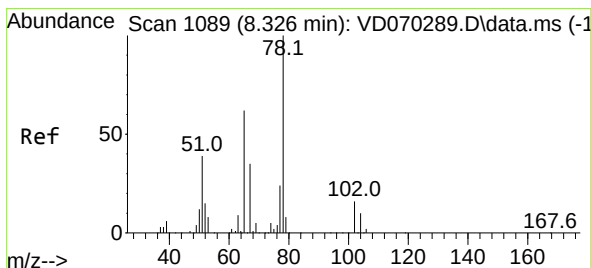
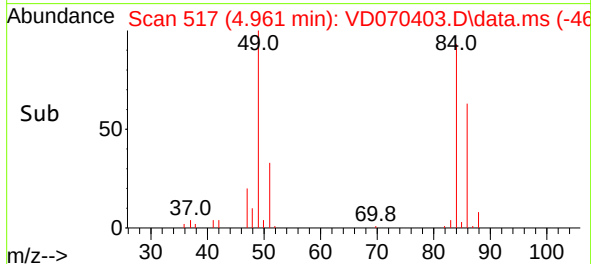
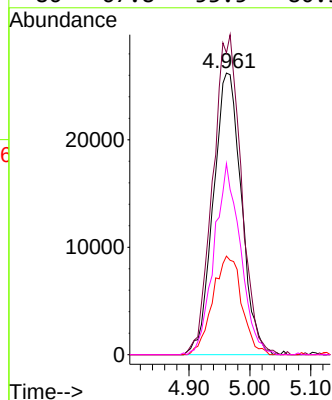
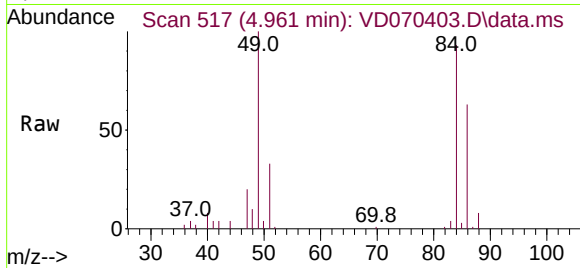




#20  
Methylene Chloride  
Concen: 21.934 ug/l  
RT: 4.961 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VD070403.D  
Acq: 21 Sep 2021 14:42

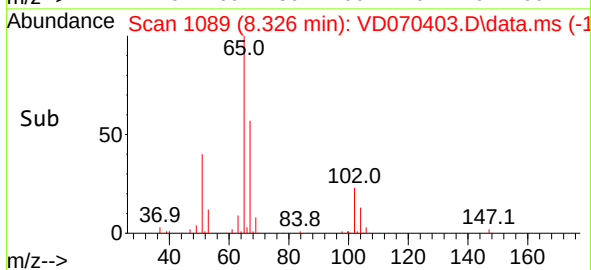
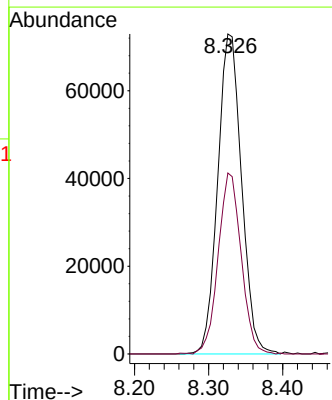
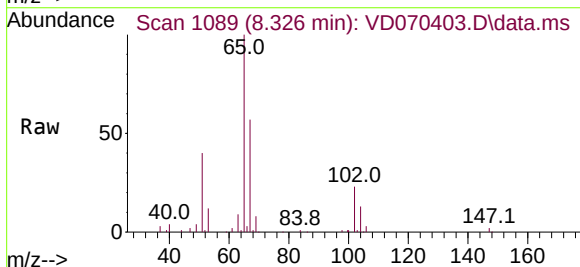
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-B

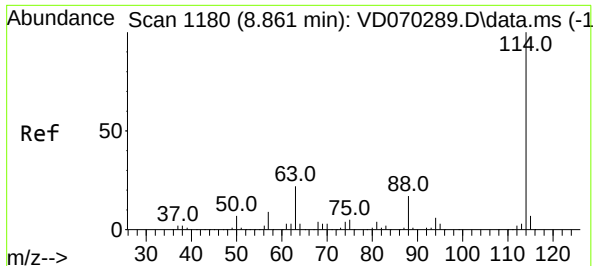
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 83871 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.1 | 89.6  | 134.4 |
| 51       | 35.0  | 28.6  | 43.0  |
| 86       | 67.8  | 53.5  | 80.3  |



#33  
1,2-Dichloroethane-d4  
Concen: 56.165 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070403.D  
Acq: 21 Sep 2021 14:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 162783 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.7  | 0.0   | 111.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070403.D

Acq: 21 Sep 2021 14:42

Tgt Ion:114 Resp: 445448

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.4

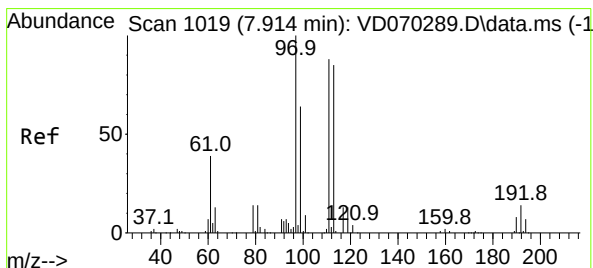
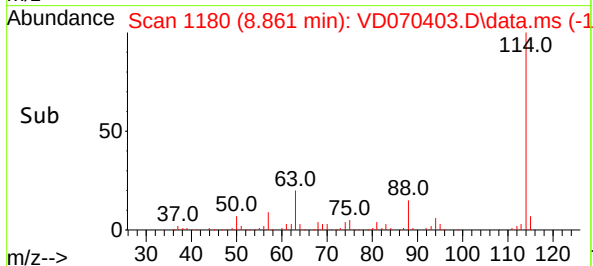
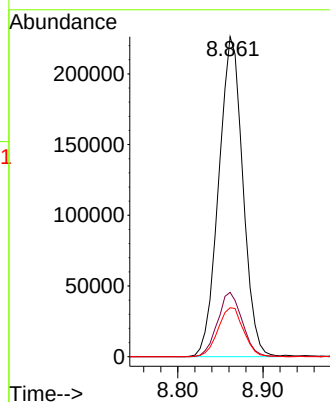
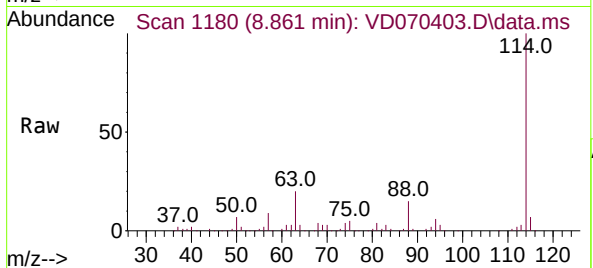
88 15.3 0.0 33.4

Instrument :

MSVOA\_D

ClientSampleId :

TP-B



#35

Dibromofluoromethane

Concen: 46.689 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070403.D

Acq: 21 Sep 2021 14:42

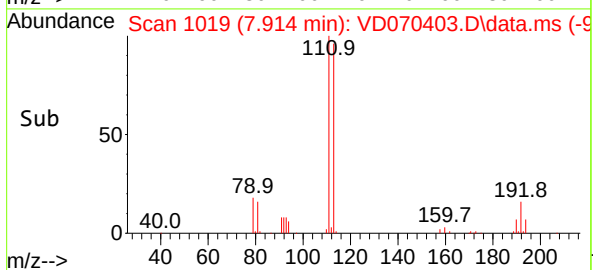
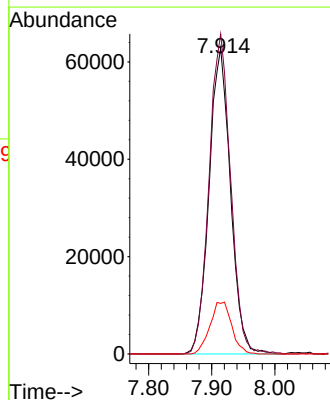
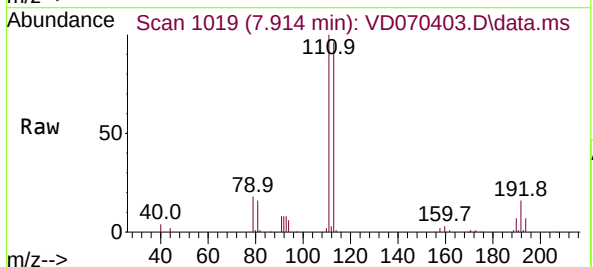
Tgt Ion:113 Resp: 148041

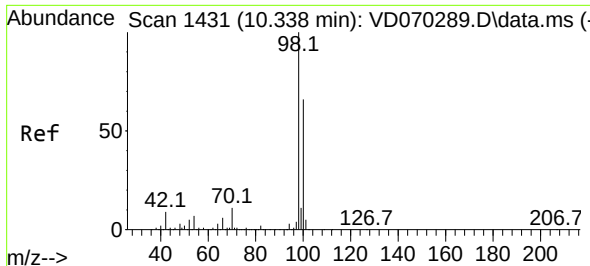
Ion Ratio Lower Upper

113 100

111 105.2 81.4 122.2

192 17.3 13.0 19.6

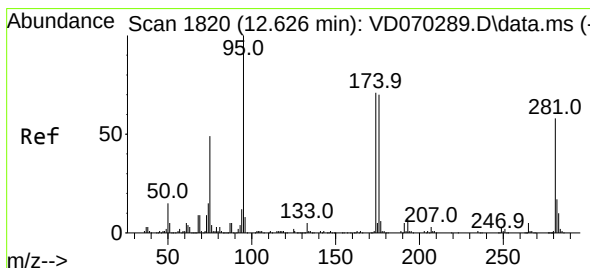
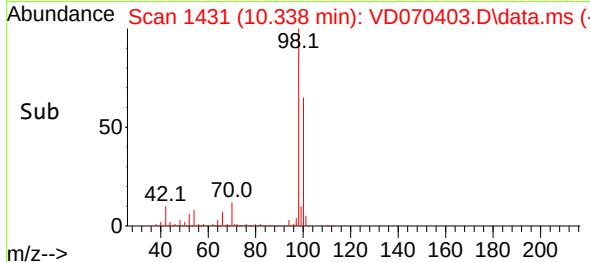
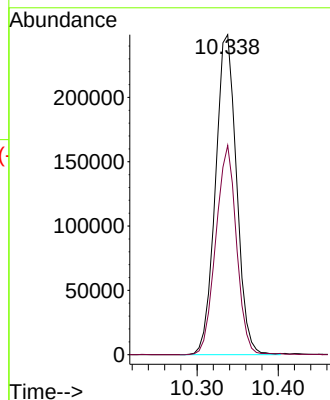
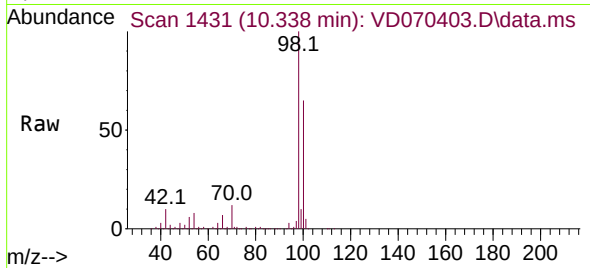




#50  
Toluene-d8  
Concen: 39.005 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070403.D  
Acq: 21 Sep 2021 14:42

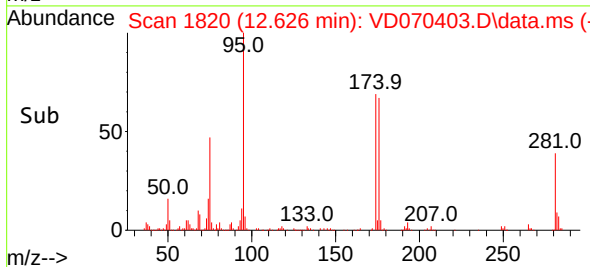
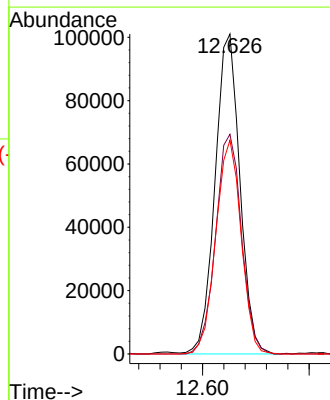
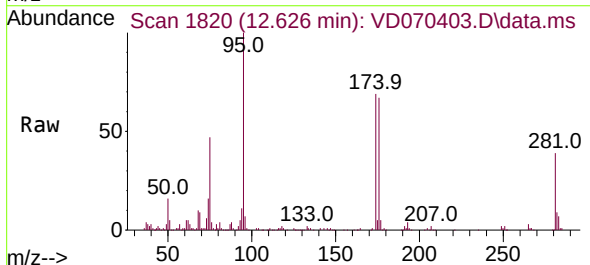
Instrument :  
MSVOA\_D  
ClientSampled :  
TP-B

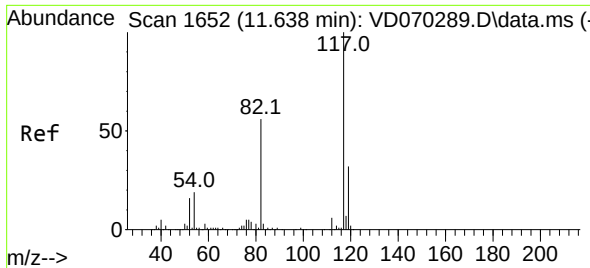
Tgt Ion: 98 Resp: 449030  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 40.590 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070403.D  
Acq: 21 Sep 2021 14:42

Tgt Ion: 95 Resp: 163308  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 140.6  
176 68.0 0.0 137.4

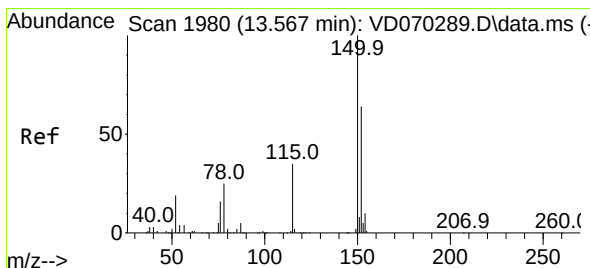
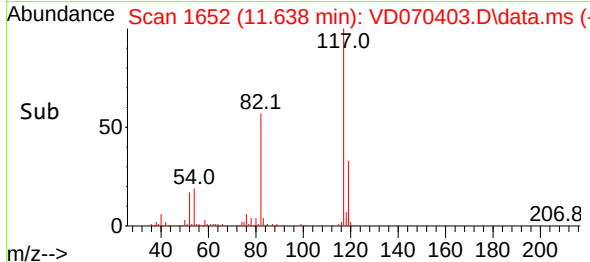
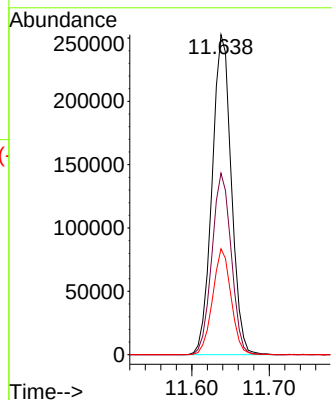
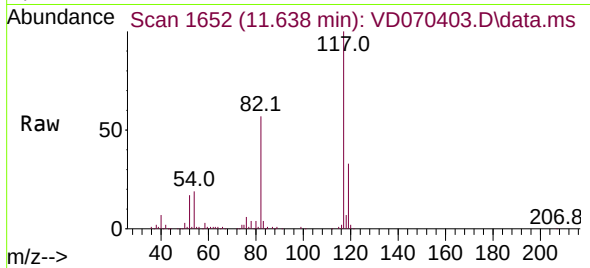




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070403.D  
Acq: 21 Sep 2021 14:42

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 435676 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.7  | 45.0  | 67.4   |
| 119       | 33.1  | 25.2  | 37.8   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070403.D  
Acq: 21 Sep 2021 14:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 182665 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 64.7  | 32.1  | 96.3   |
| 150       | 158.2 | 0.0   | 350.6  |

