

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072721\  
 Data File : VD069868.D  
 Acq On : 27 Jul 2021 15:57  
 Operator : VA/SY  
 Sample : M3200-04  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 GS-2A

Quant Time: Jul 28 03:59:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 9490     | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.855  | 114   | 17199    | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 15830    | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 6522     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 9184     | 84.146   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 168.300%# |          |
| 35) Dibromofluoromethane    | 7.908  | 113   | 5612     | 51.761   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 103.520%  |          |
| 50) Toluene-d8              | 10.338 | 98    | 21509    | 51.448   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 102.900%  |          |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 6217     | 44.496   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 89.000%   |          |

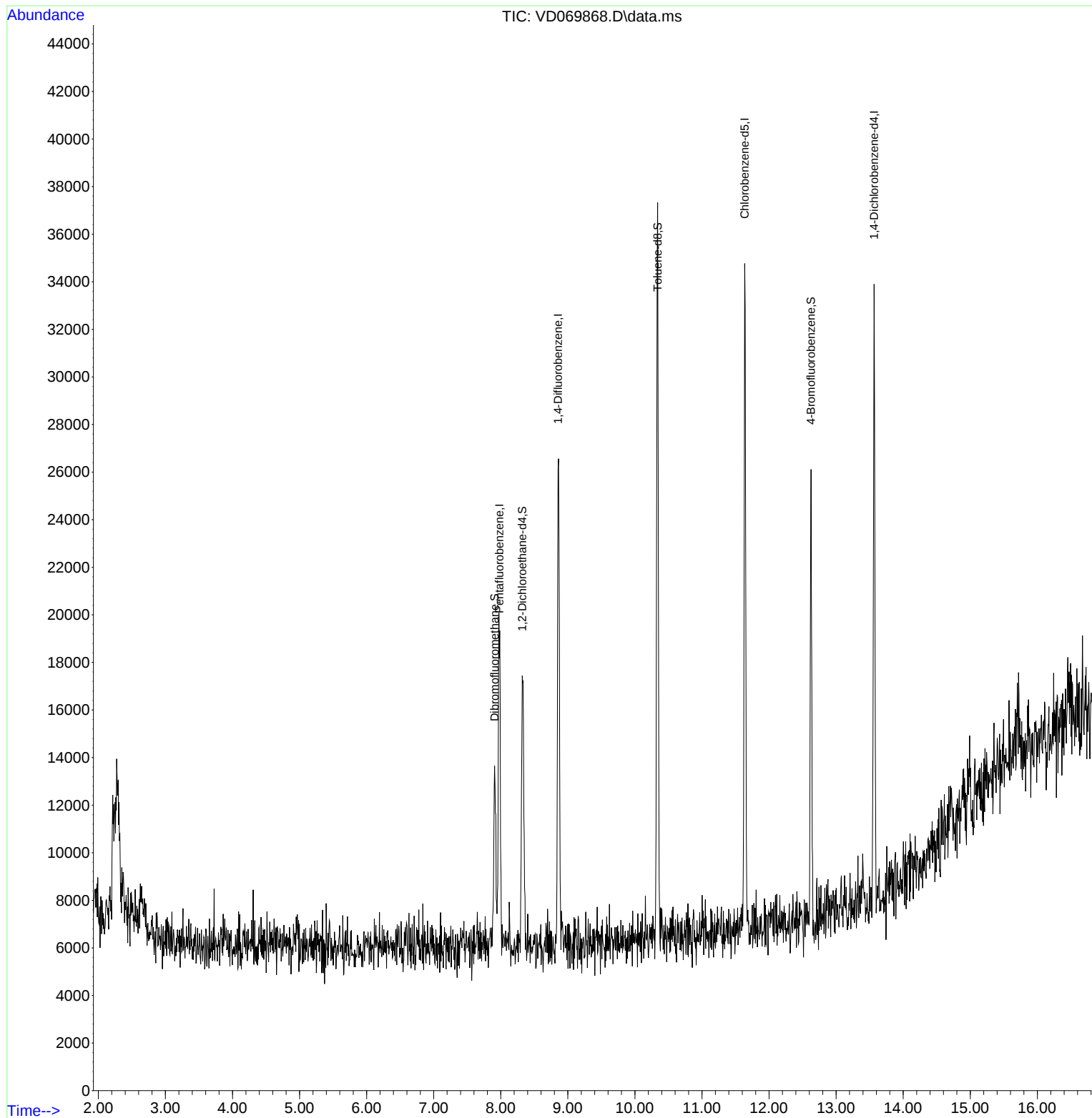
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

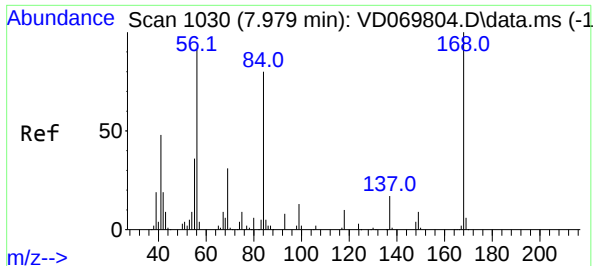
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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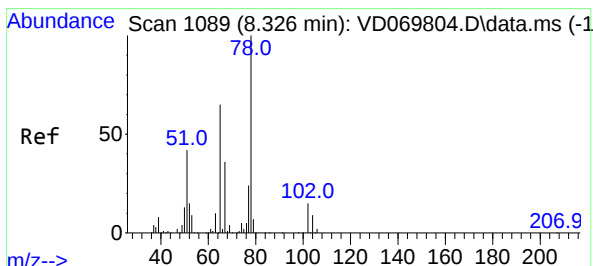
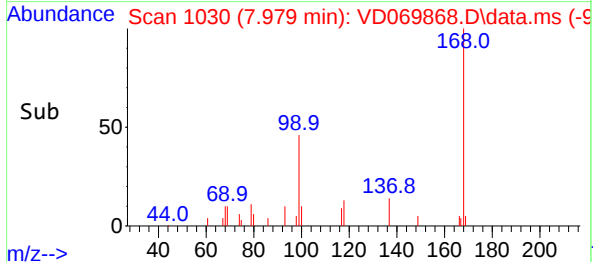
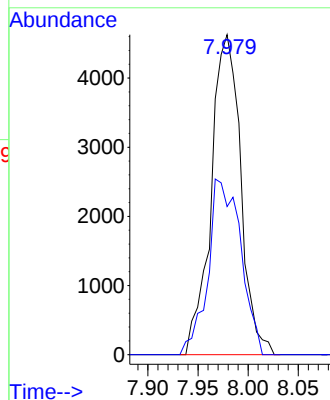
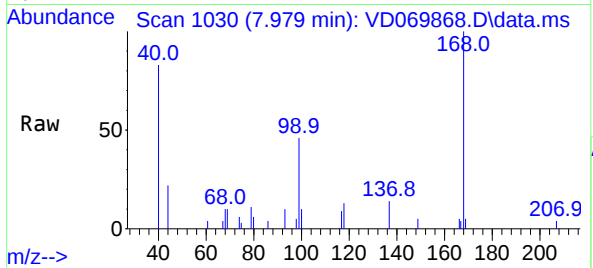




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD069868.D  
Acq: 27 Jul 2021 15:57

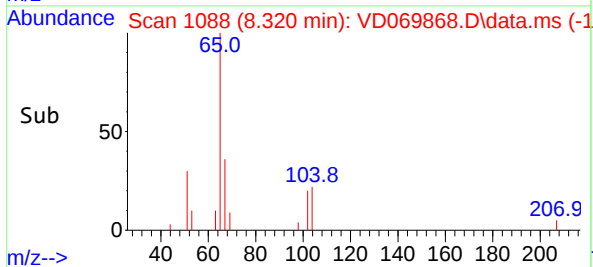
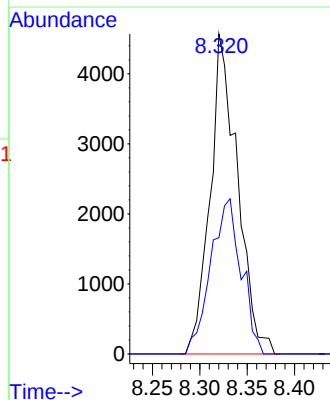
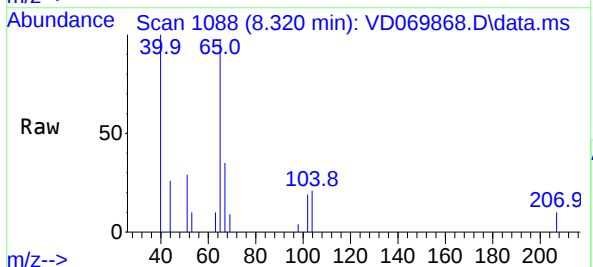
Instrument :  
MSVOA\_D  
ClientSampled :  
GS-2A

Tgt Ion:168 Resp: 9490  
Ion Ratio Lower Upper  
168 100  
99 46.3 51.1 76.7#



#33  
1,2-Dichloroethane-d4  
Concen: 84.146 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD069868.D  
Acq: 27 Jul 2021 15:57

Tgt Ion: 65 Resp: 9184  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 111.2



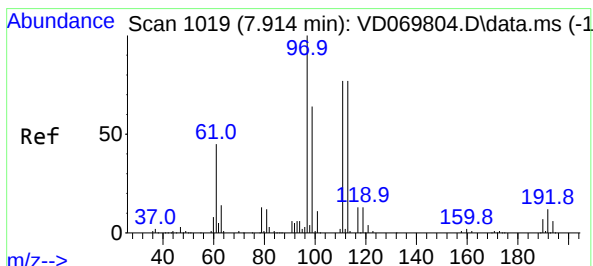
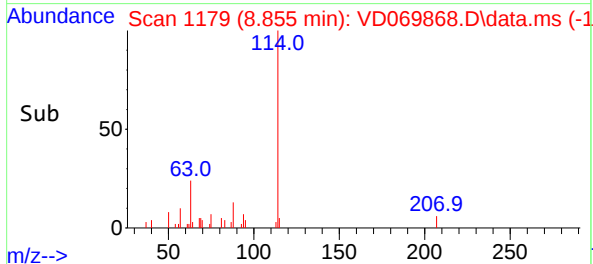
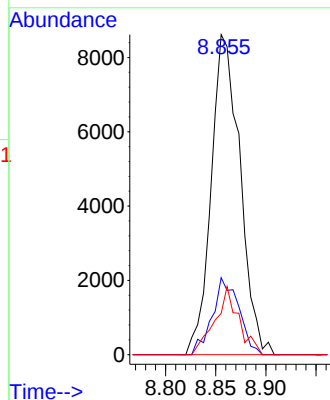
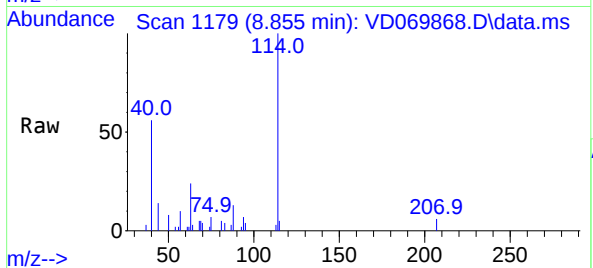


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: VD069868.D  
Acq: 27 Jul 2021 15:57

Instrument :  
MSVOA\_D  
ClientSampled :  
GS-2A

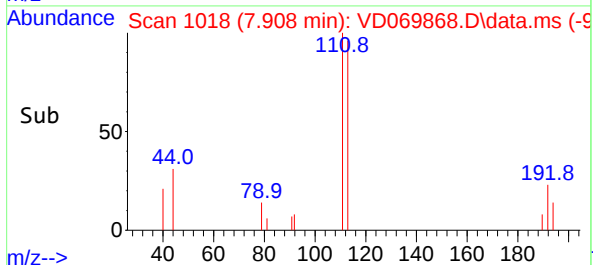
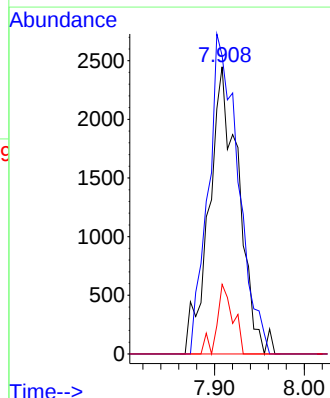
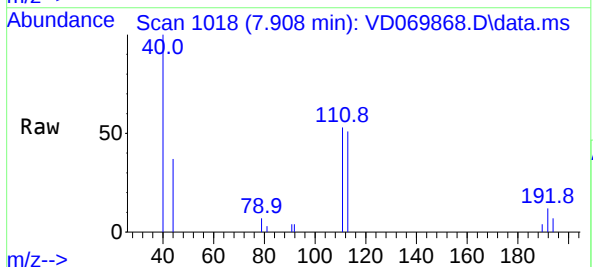
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 17199    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 24.1  | 0.0 41.6 |
| 88          | 12.9  | 0.0 31.4 |



#35

Dibromofluoromethane  
Concen: 51.761 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD069868.D  
Acq: 27 Jul 2021 15:57

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 5612       |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 113.2 | 80.5 120.7 |
| 192         | 13.2  | 12.6 19.0  |

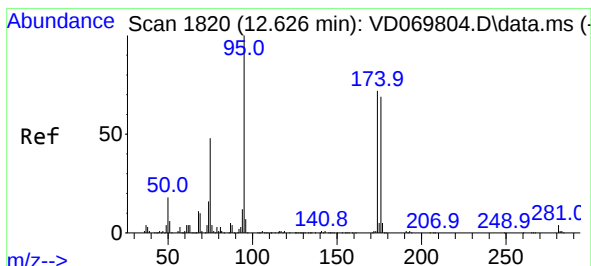
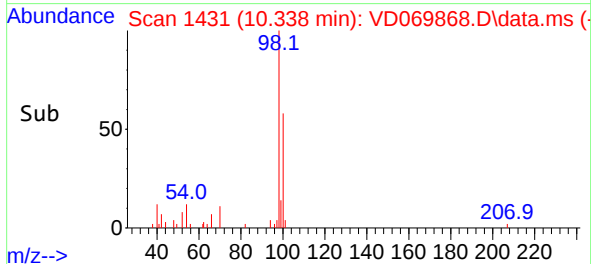
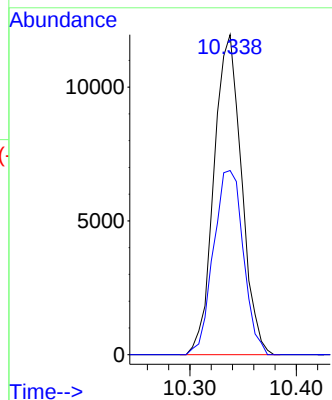
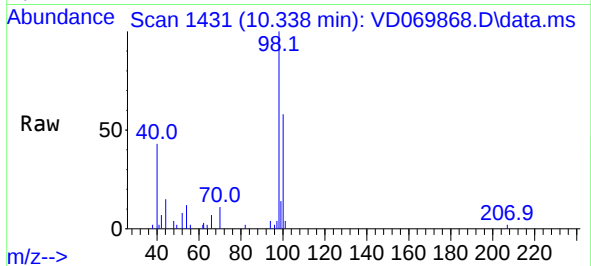




#50  
Toluene-d8  
Concen: 51.448 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069868.D  
Acq: 27 Jul 2021 15:57

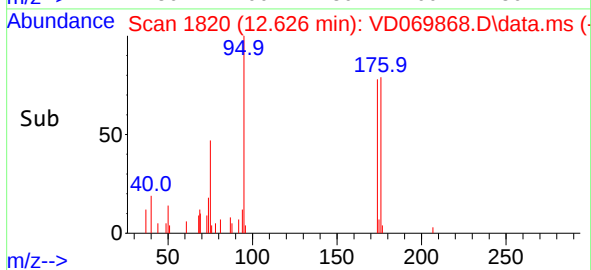
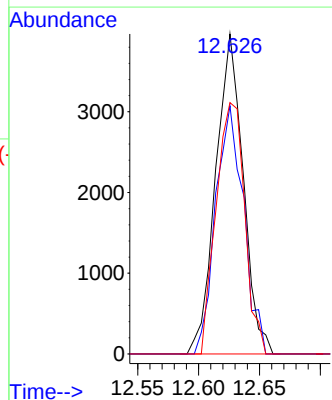
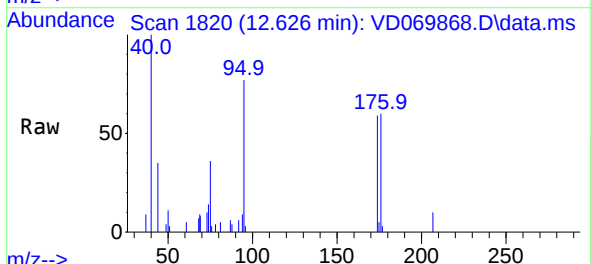
Instrument :  
MSVOA\_D  
ClientSampled :  
GS-2A

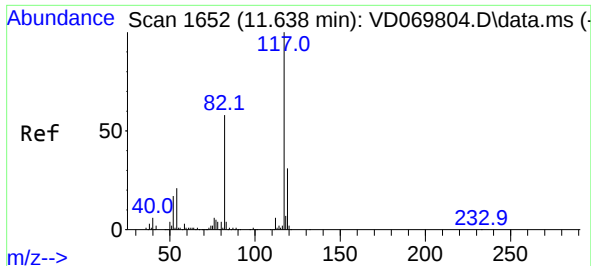
Tgt Ion: 98 Resp: 21509  
Ion Ratio Lower Upper  
98 100  
100 62.3 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 44.496 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069868.D  
Acq: 27 Jul 2021 15:57

Tgt Ion: 95 Resp: 6217  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 142.6  
176 81.5 0.0 134.2

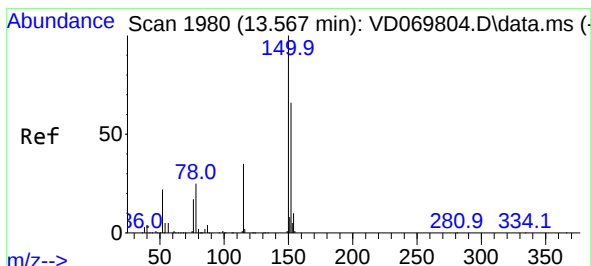
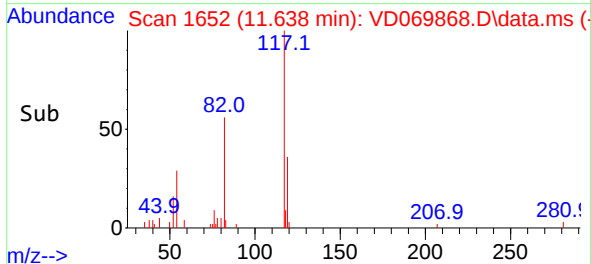
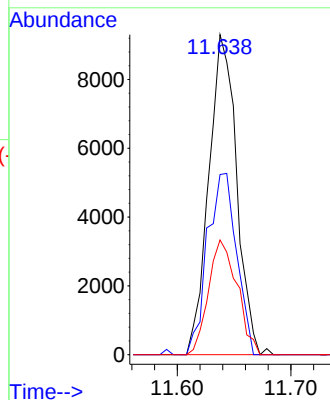
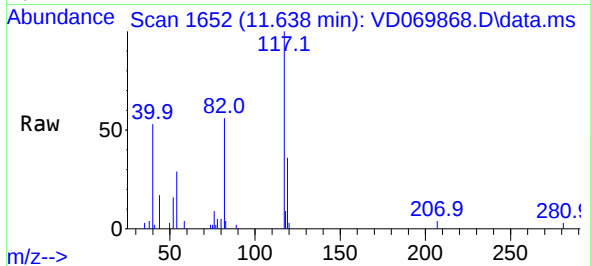




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD069868.D  
Acq: 27 Jul 2021 15:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
GS-2A

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 15830 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 56.3  | 46.3  | 69.5  |
| 119      | 35.9  | 24.7  | 37.1  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD069868.D  
Acq: 27 Jul 2021 15:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 6522  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 54.4  | 31.1  | 93.3  |
| 150      | 165.4 | 0.0   | 343.0 |

