

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031822\  
 Data File : VD072287.D  
 Acq On : 18 Mar 2022 13:53  
 Operator : VA/SY  
 Sample : N1954-01RE  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CL-02-031522RE

Quant Time: Mar 19 05:23:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 10549    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 15930    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 17789    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 7578     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 7485     | 63.668   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 127.340% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 6849     | 61.097   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 122.200% |
| 50) Toluene-d8              | 10.332 | 98    | 18819    | 45.911   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 91.820%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 6729     | 42.250   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 84.500%  |

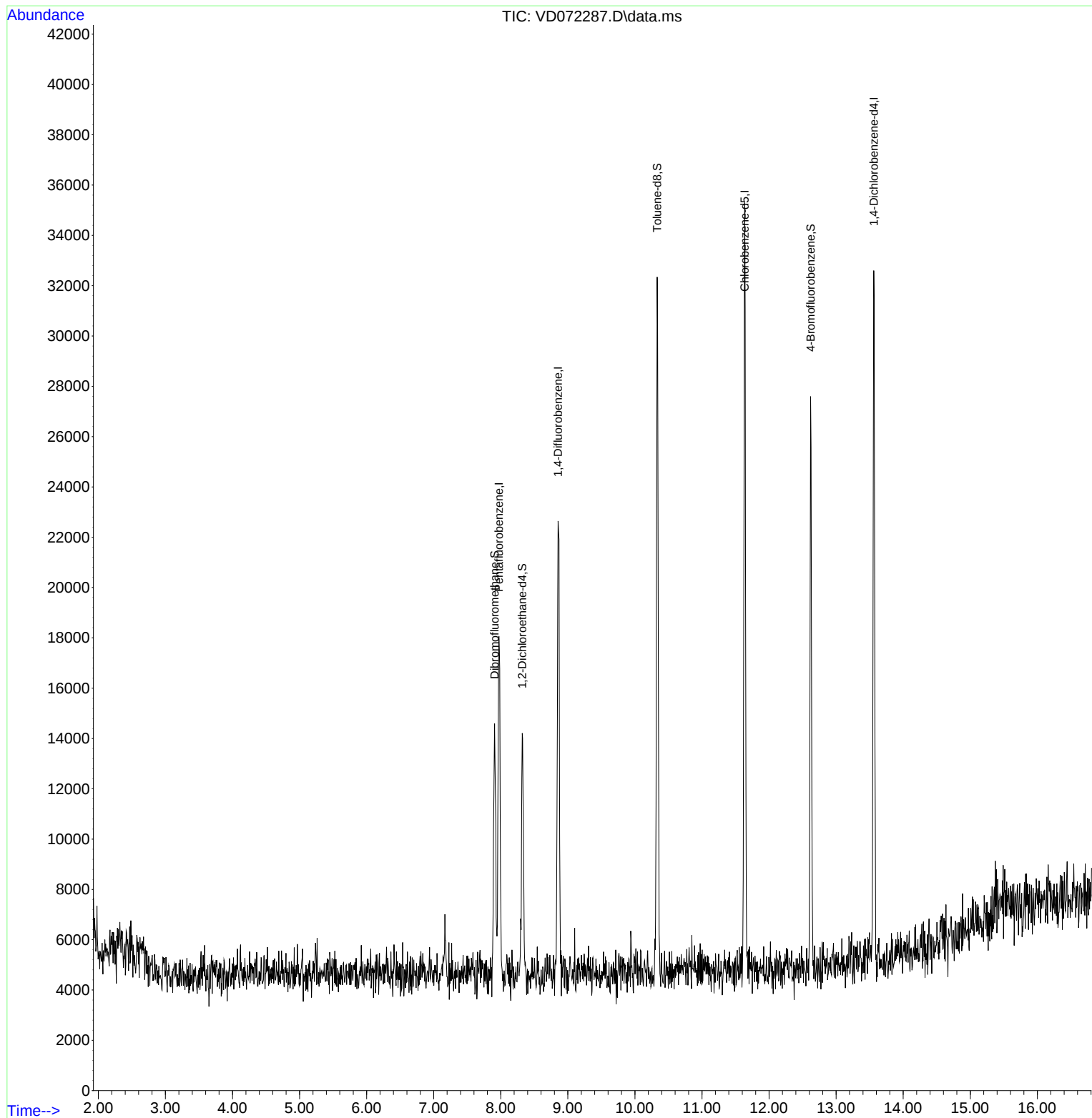
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

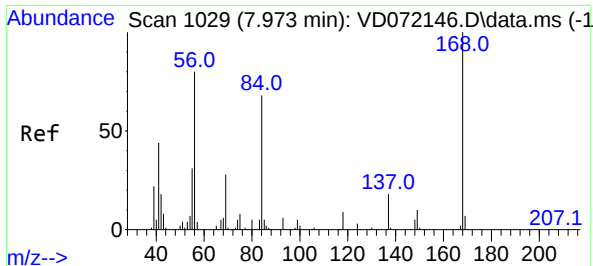
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

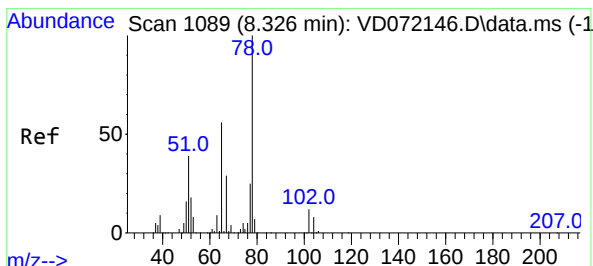
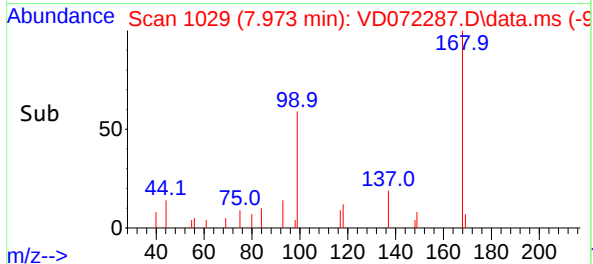
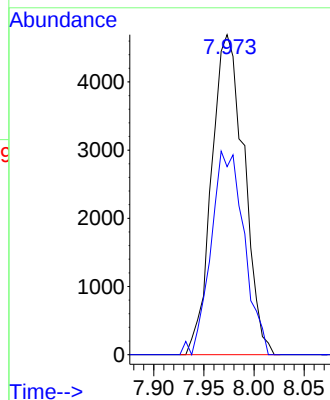
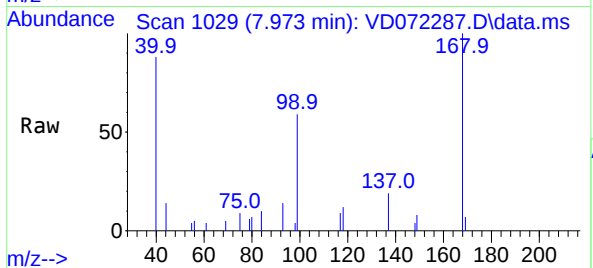




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD072287.D  
Acq: 18 Mar 2022 13:53

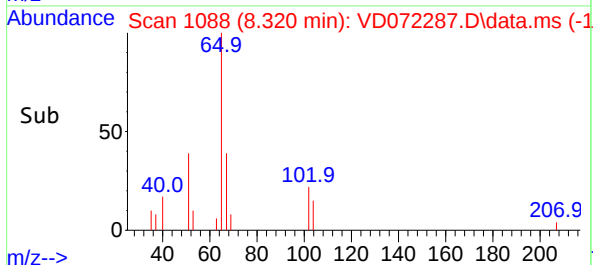
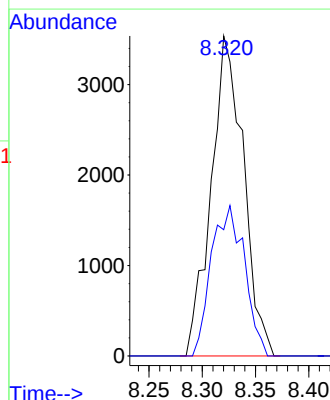
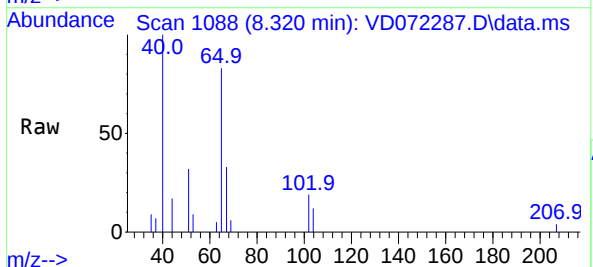
Instrument :  
MSVOA\_D  
ClientSampleId :  
CL-02-031522RE

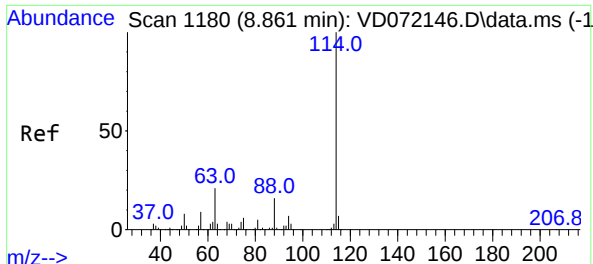
Tgt Ion:168 Resp: 10549  
Ion Ratio Lower Upper  
168 100  
99 58.7 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 63.668 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD072287.D  
Acq: 18 Mar 2022 13:53

Tgt Ion: 65 Resp: 7485  
Ion Ratio Lower Upper  
65 100  
67 48.0 0.0 101.4

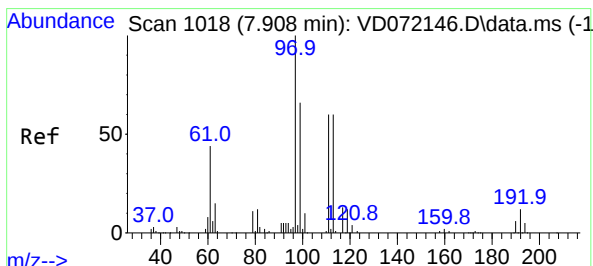
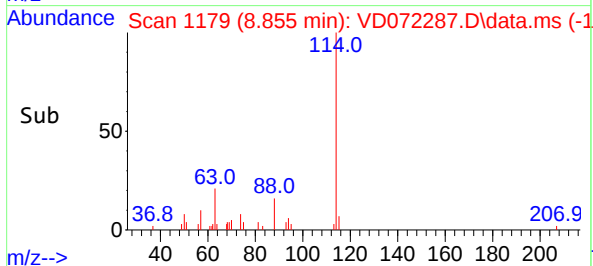
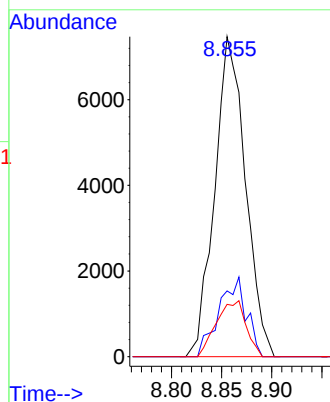
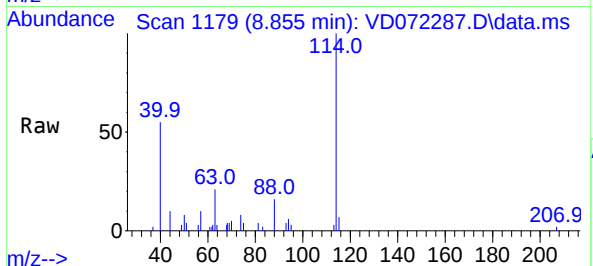




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD072287.D  
Acq: 18 Mar 2022 13:53

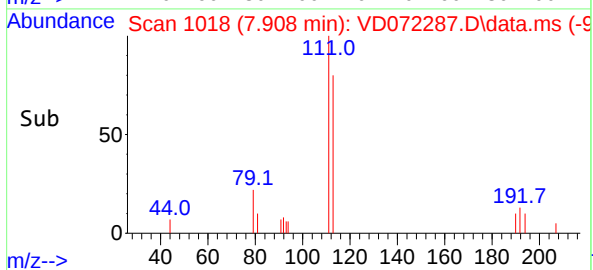
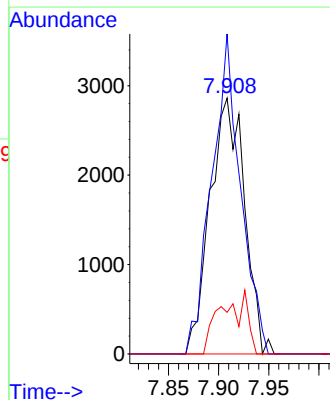
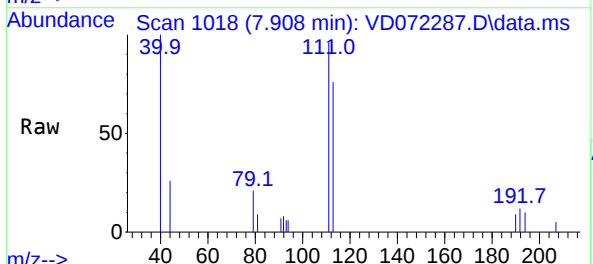
Instrument :  
MSVOA\_D  
ClientSampleId :  
CL-02-031522RE

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 15930 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 20.6  | 0.0   | 46.6  |
| 88        | 16.3  | 0.0   | 33.2  |



#35  
Dibromofluoromethane  
Concen: 61.097 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: VD072287.D  
Acq: 18 Mar 2022 13:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 6849  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 104.6 | 83.8  | 125.6 |
| 192       | 9.2   | 14.6  | 21.8  |

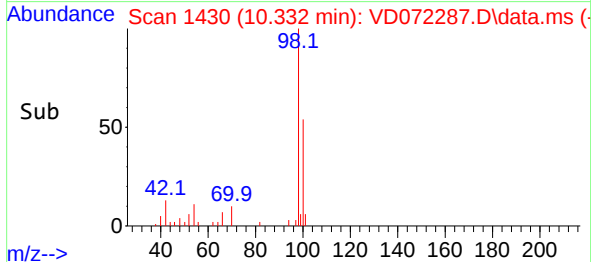
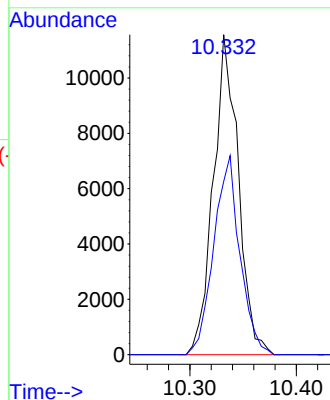
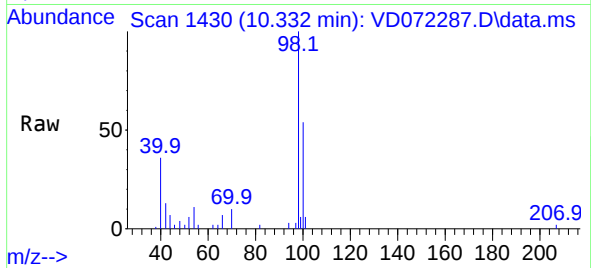




#50  
Toluene-d8  
Concen: 45.911 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072287.D  
Acq: 18 Mar 2022 13:53

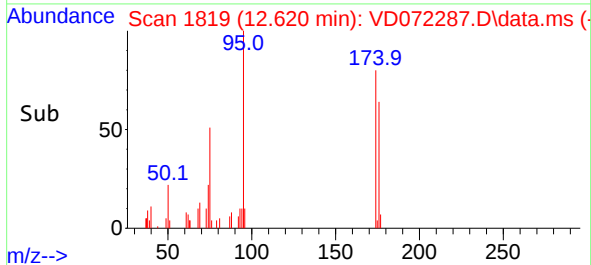
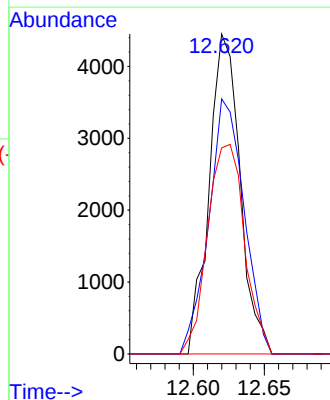
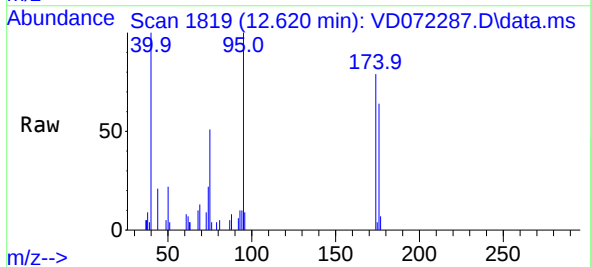
Instrument :  
MSVOA\_D  
ClientSampleId :  
CL-02-031522RE

Tgt Ion: 98 Resp: 18819  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 42.250 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD072287.D  
Acq: 18 Mar 2022 13:53

Tgt Ion: 95 Resp: 6729  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 152.8  
176 78.3 0.0 145.4

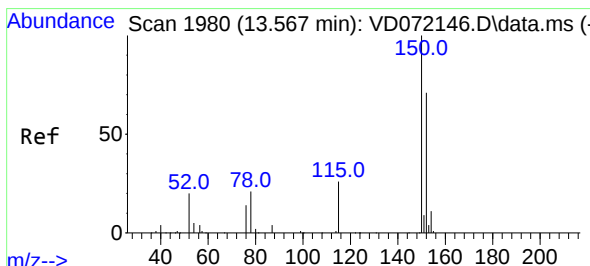
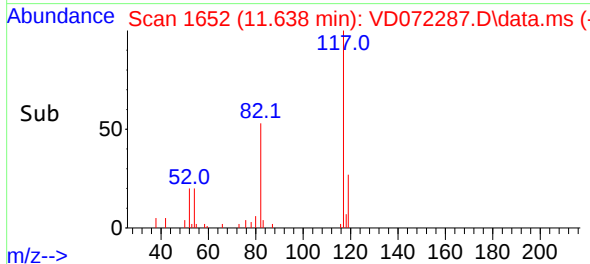
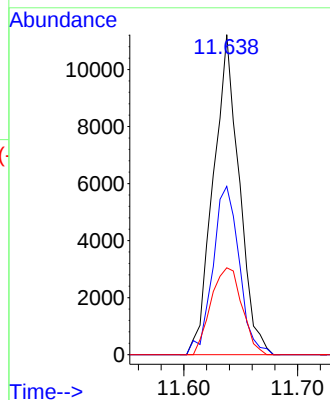
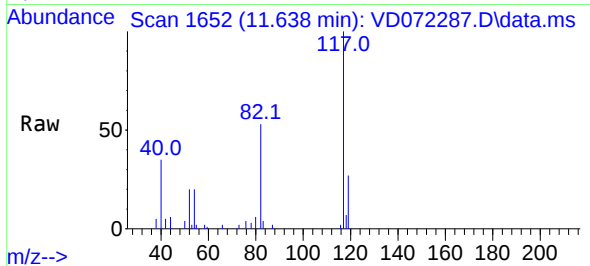




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD072287.D  
Acq: 18 Mar 2022 13:53

Instrument :  
MSVOA\_D  
ClientSampleId :  
CL-02-031522RE

Tgt Ion:117 Resp: 17789  
Ion Ratio Lower Upper  
117 100  
82 52.6 45.3 67.9  
119 27.2 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD072287.D  
Acq: 18 Mar 2022 13:53

Tgt Ion:152 Resp: 7578  
Ion Ratio Lower Upper  
152 100  
115 57.0 31.3 93.8  
150 154.7 0.0 348.6

