

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031422\  
 Data File : VD072169.D  
 Acq On : 14 Mar 2022 16:02  
 Operator : VA/SY  
 Sample : N1851-05  
 Misc : 5.02G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUM-36

Quant Time: Mar 15 01:24:10 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   | 4619     | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 8259     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 8985     | 50.000   | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 3820     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 4630     | 89.945   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 179.880%# |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 3855     | 66.329   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 132.660%  |          |
| 50) Toluene-d8              | 10.338 | 98    | 9418     | 44.317   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 88.640%   |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 4368     | 52.899   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 105.800%  |          |

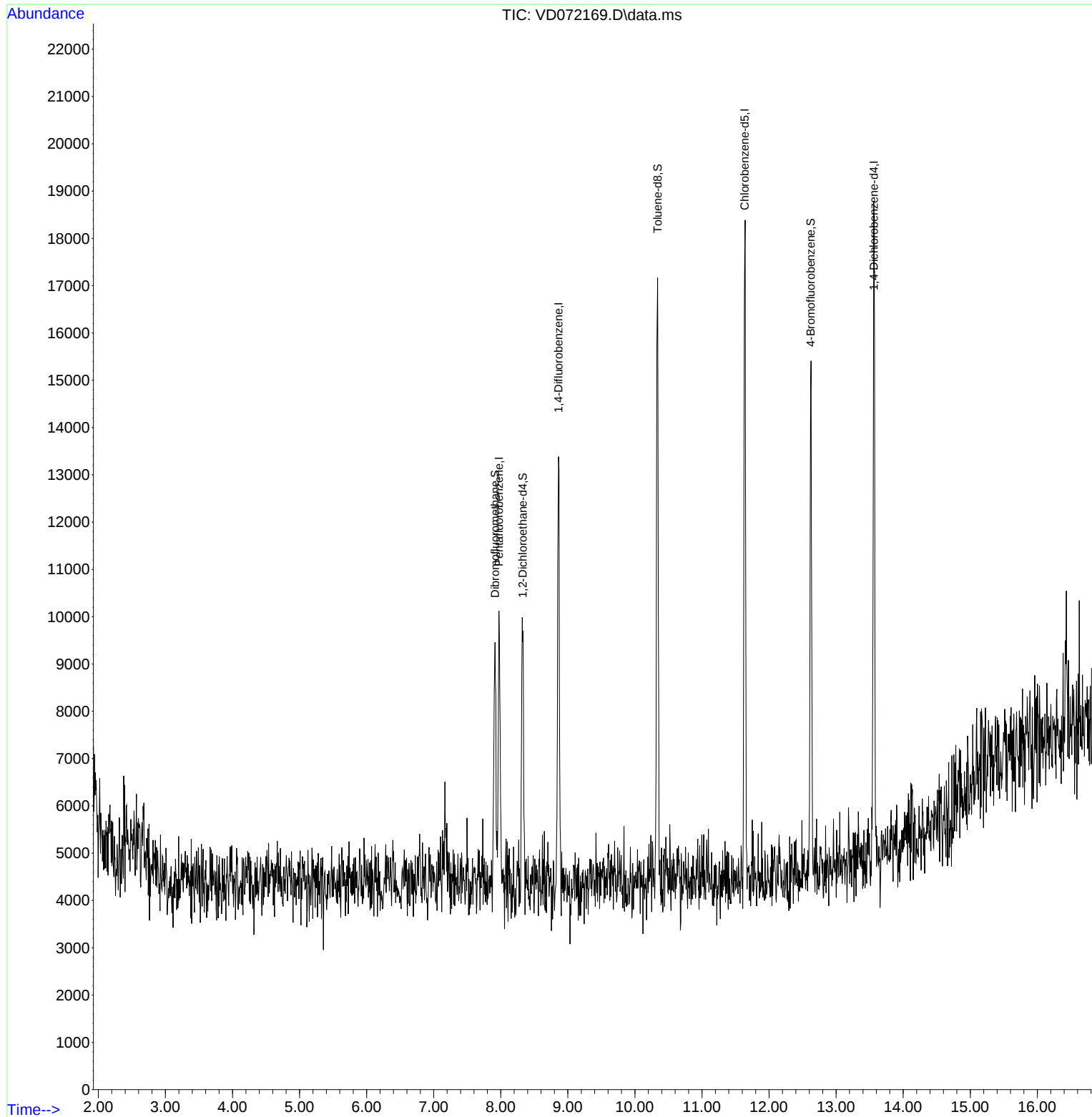
Target Compounds Qvalue

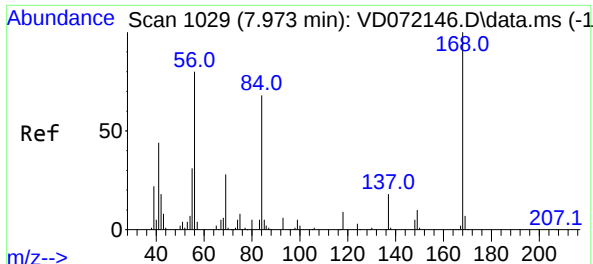
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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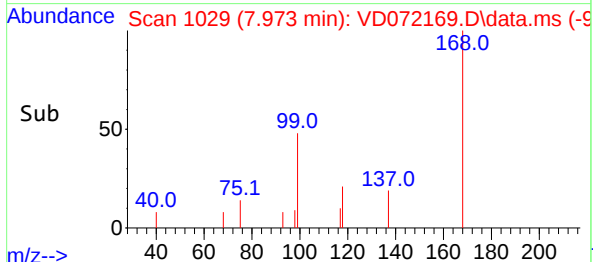
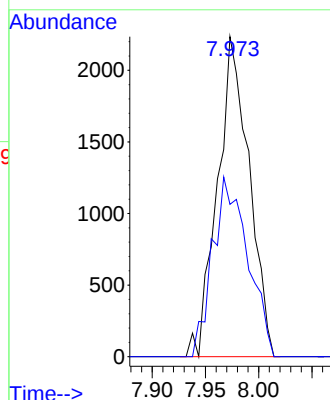
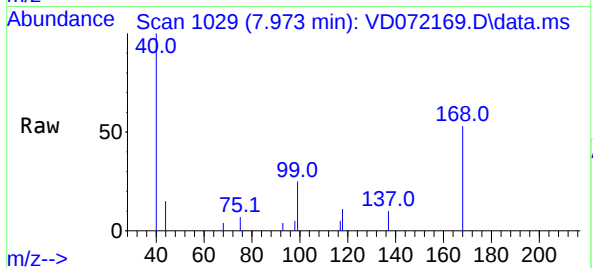




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD072169.D  
Acq: 14 Mar 2022 16:02

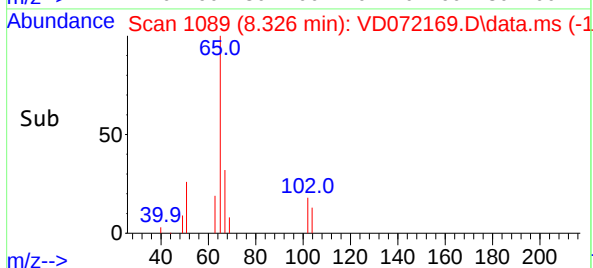
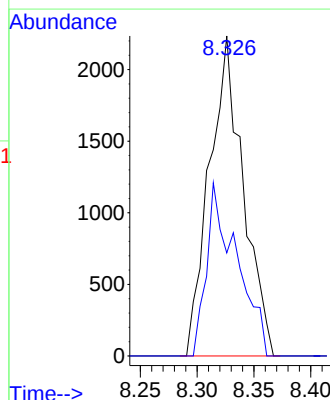
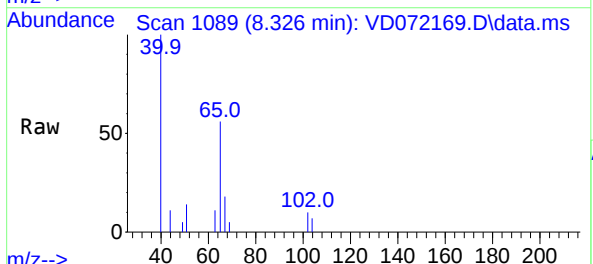
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUM-36

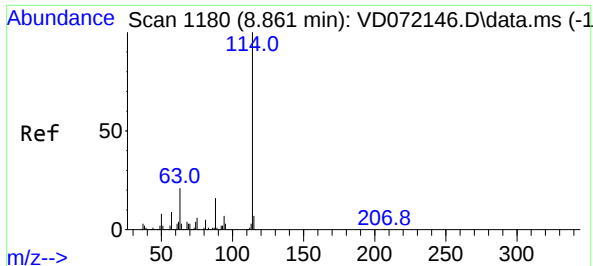
Tgt Ion:168 Resp: 4619  
Ion Ratio Lower Upper  
168 100  
99 47.6 49.8 74.6#



#33  
1,2-Dichloroethane-d4  
Concen: 89.945 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072169.D  
Acq: 14 Mar 2022 16:02

Tgt Ion: 65 Resp: 4630  
Ion Ratio Lower Upper  
65 100  
67 48.1 0.0 101.4

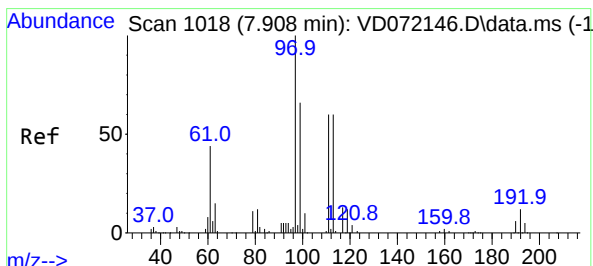
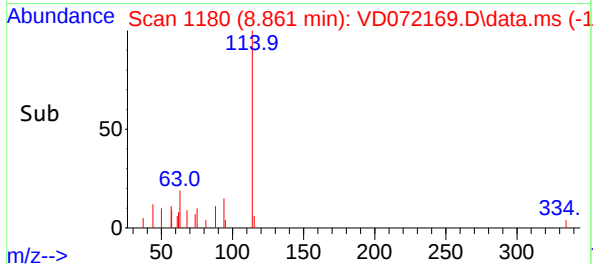
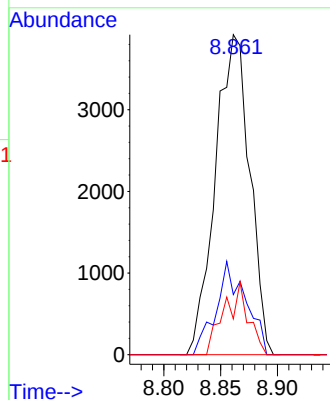
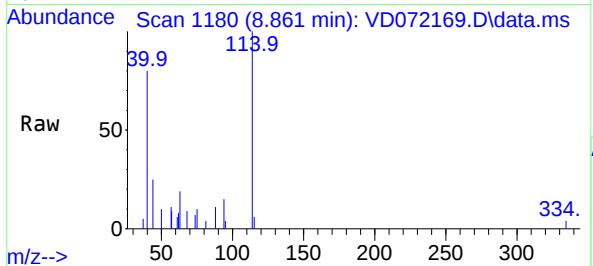




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD072169.D  
Acq: 14 Mar 2022 16:02

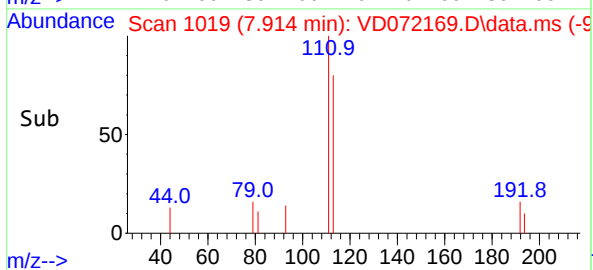
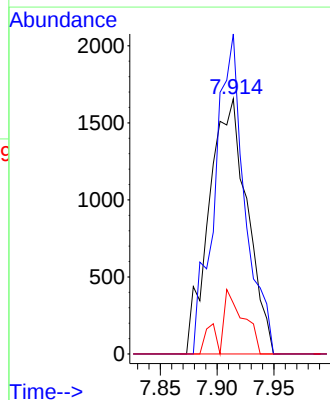
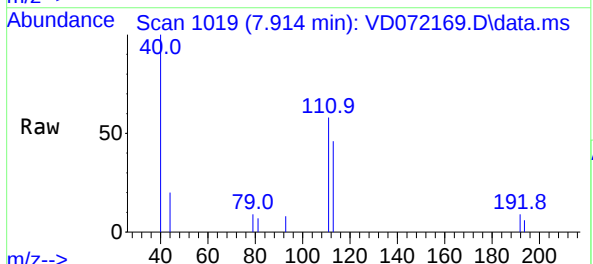
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUM-36

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 114   | Resp: | 8259 |
| Ion Ratio | Lower | Upper |      |
| 114       | 100   |       |      |
| 63        | 18.8  | 0.0   | 46.6 |
| 88        | 11.2  | 0.0   | 33.2 |



#35  
Dibromofluoromethane  
Concen: 66.329 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VD072169.D  
Acq: 14 Mar 2022 16:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 3855  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 99.4  | 83.8  | 125.6 |
| 192       | 16.1  | 14.6  | 21.8  |

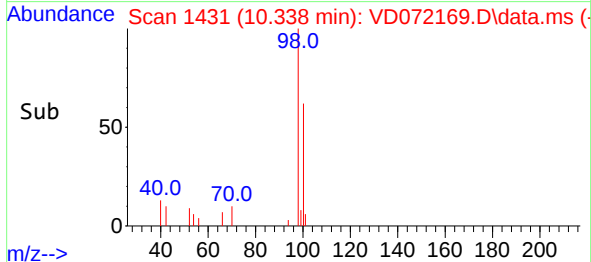
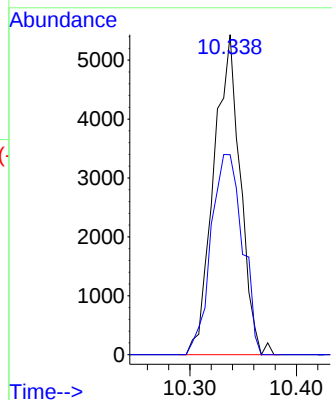
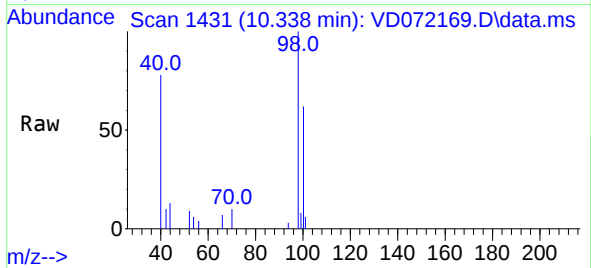




#50  
Toluene-d8  
Concen: 44.317 ug/l  
RT: 10.338 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: VD072169.D  
Acq: 14 Mar 2022 16:02

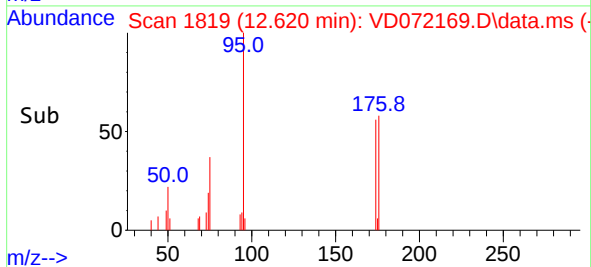
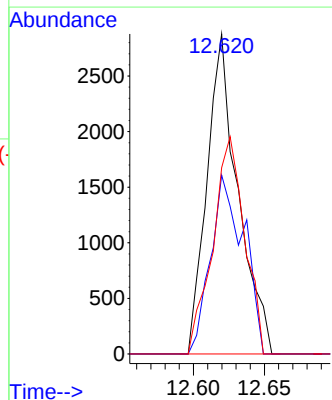
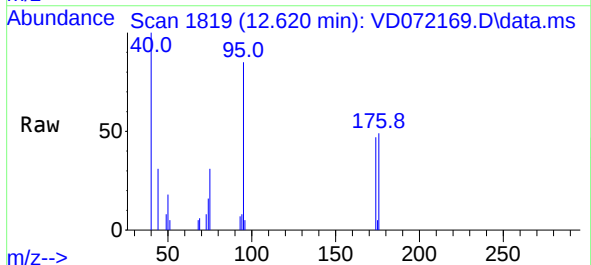
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUM-36

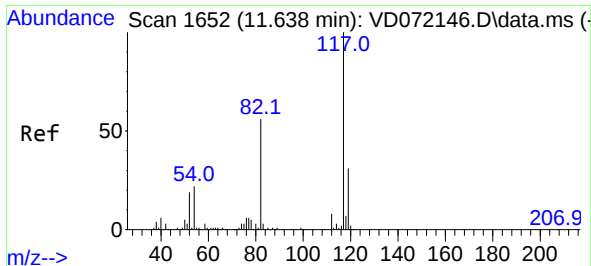
Tgt Ion: 98 Resp: 9418  
Ion Ratio Lower Upper  
98 100  
100 74.1 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 52.899 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD072169.D  
Acq: 14 Mar 2022 16:02

Tgt Ion: 95 Resp: 4368  
Ion Ratio Lower Upper  
95 100  
174 60.1 0.0 152.8  
176 69.4 0.0 145.4

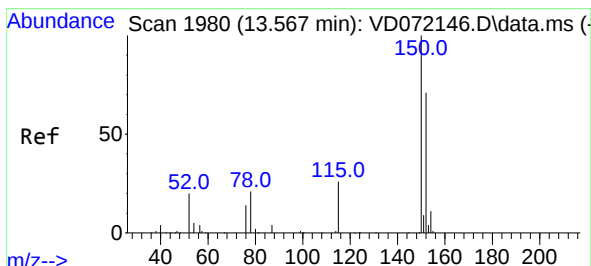
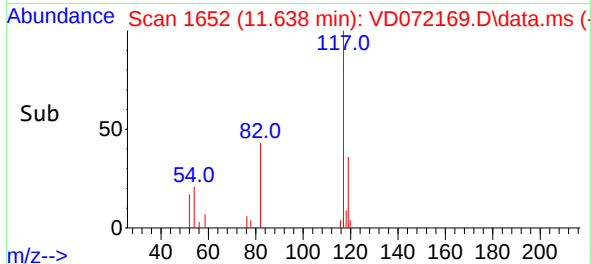
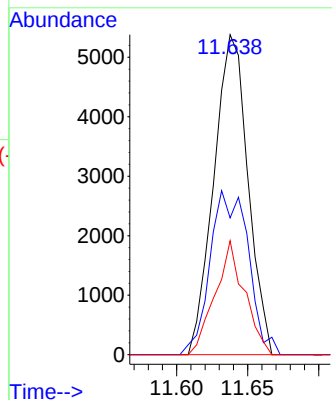
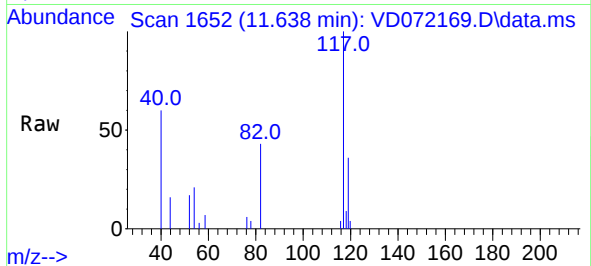




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD072169.D  
Acq: 14 Mar 2022 16:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUM-36

Tgt Ion:117 Resp: 8985  
Ion Ratio Lower Upper  
117 100  
82 42.8 45.3 67.9#  
119 35.6 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: VD072169.D  
Acq: 14 Mar 2022 16:02

Tgt Ion:152 Resp: 3820  
Ion Ratio Lower Upper  
152 100  
115 65.6 31.3 93.8  
150 168.4 0.0 348.6

