

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010522\  
 Data File : VD071613.D  
 Acq On : 05 Jan 2022 14:46  
 Operator : VA/SY  
 Sample : M5330-02  
 Misc : 6.63G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DB-24-(20-25)-12-29-21

Quant Time: Jan 06 07:03:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 435552   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 742498   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 652082   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 274246   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 250803   | 43.358   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 86.720%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 230066   | 46.104   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 92.200%  |
| 50) Toluene-d8              | 10.338 | 98    | 935630   | 49.615   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 99.220%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 288989   | 43.125   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 86.260%  |

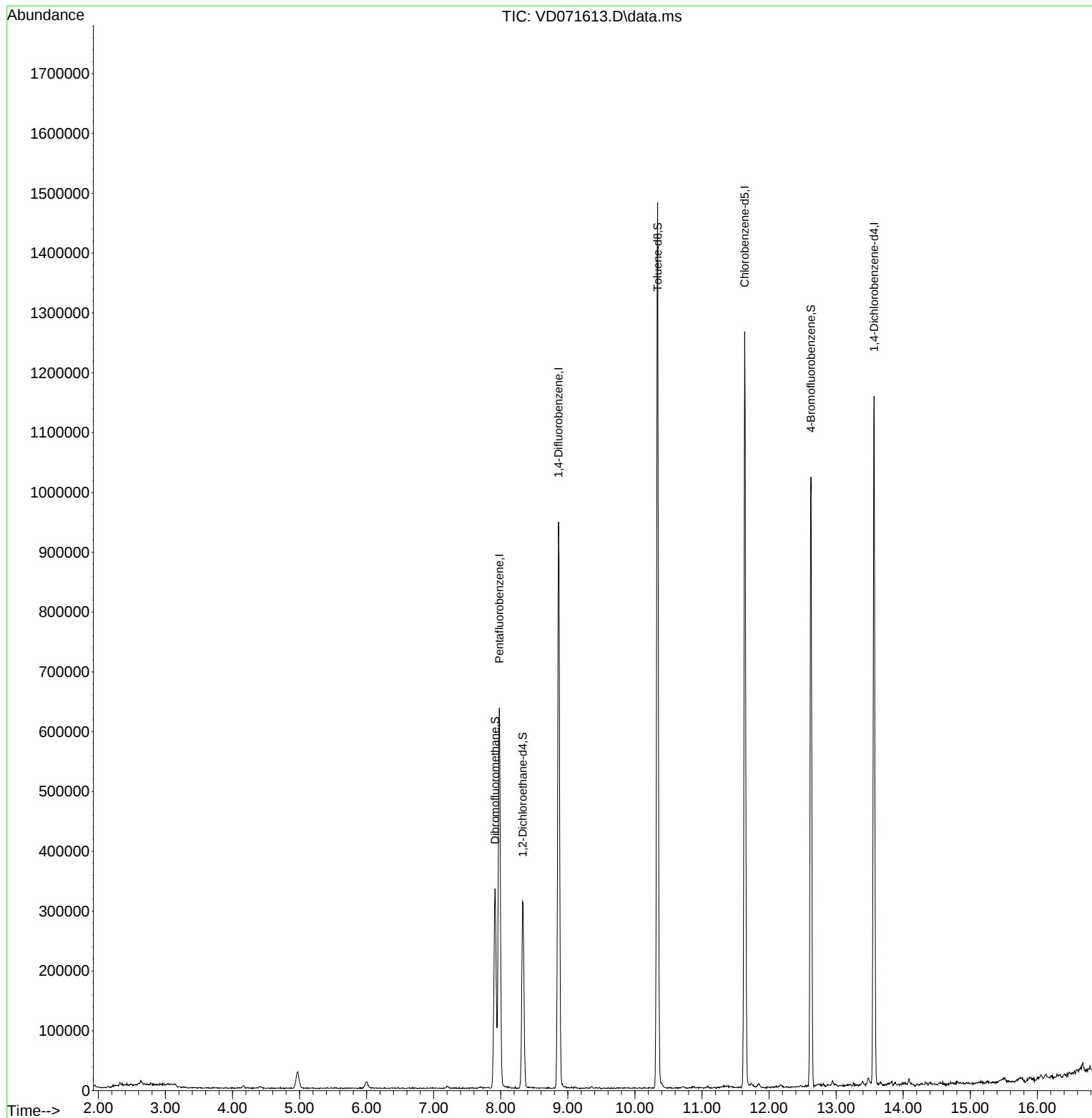
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

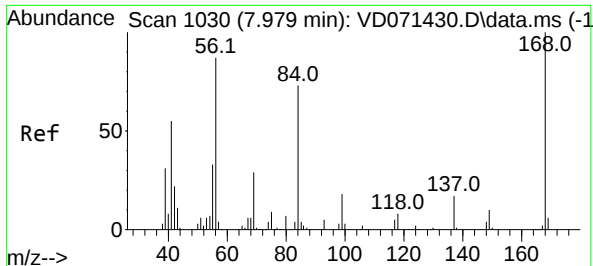
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DB-24-(20-25)-12-29-21

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Quant Title : SW846 8260  
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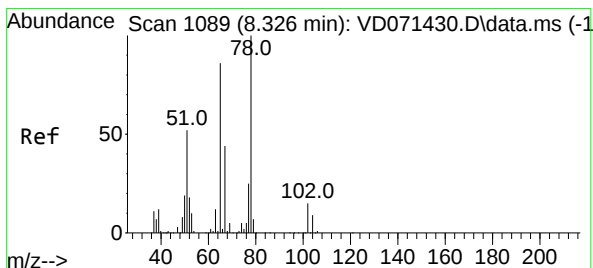
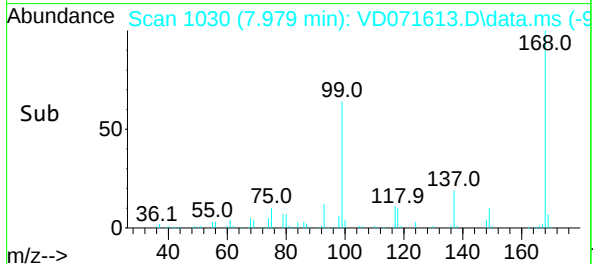
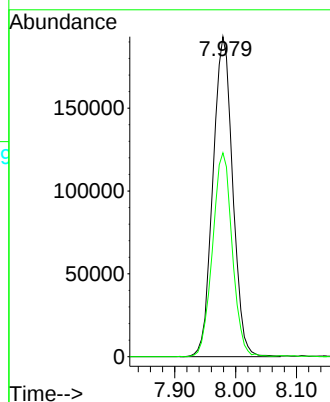
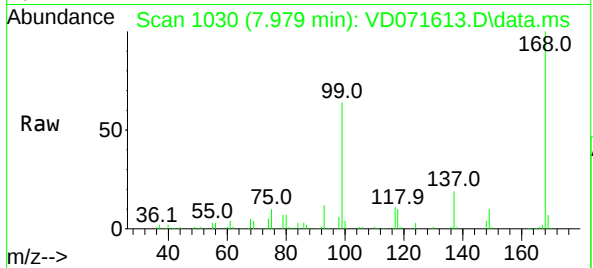




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD071613.D  
Acq: 05 Jan 2022 14:46

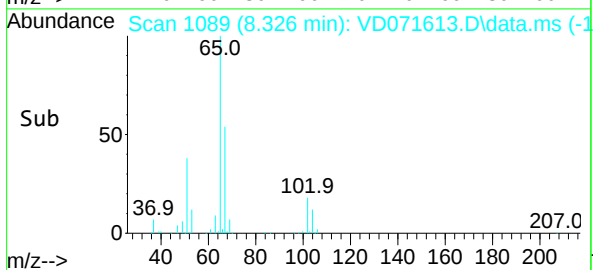
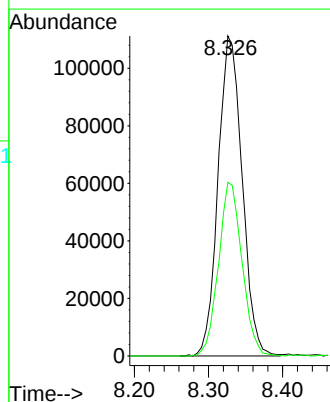
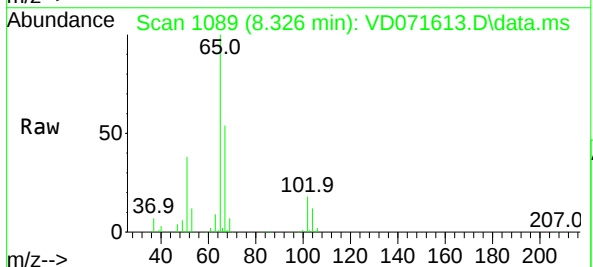
Instrument :  
MSVOA\_D  
ClientSampleId :  
DB-24-(20-25)-12-29-21

Tgt Ion:168 Resp: 435552  
Ion Ratio Lower Upper  
168 100  
99 63.6 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 43.358 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD071613.D  
Acq: 05 Jan 2022 14:46

Tgt Ion: 65 Resp: 250803  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071613.D

Acq: 05 Jan 2022 14:46

Instrument :

MSVOA\_D

ClientSampleId :

DB-24-(20-25)-12-29-21

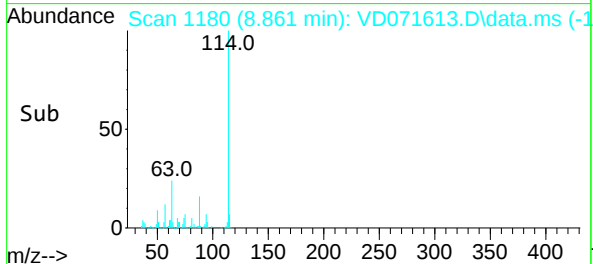
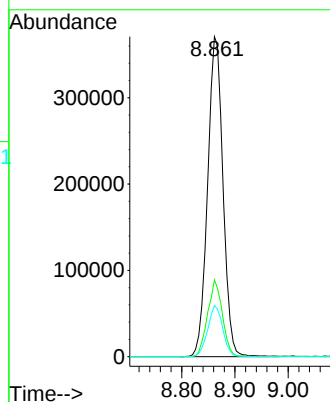
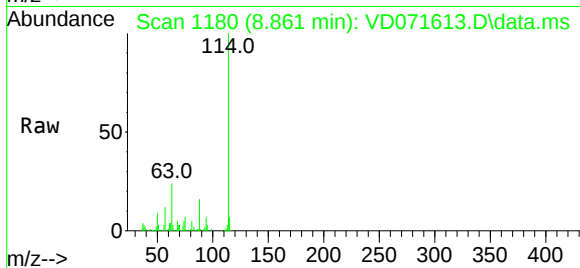
Tgt Ion:114 Resp: 742498

Ion Ratio Lower Upper

114 100

63 24.0 0.0 41.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.104 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071613.D

Acq: 05 Jan 2022 14:46

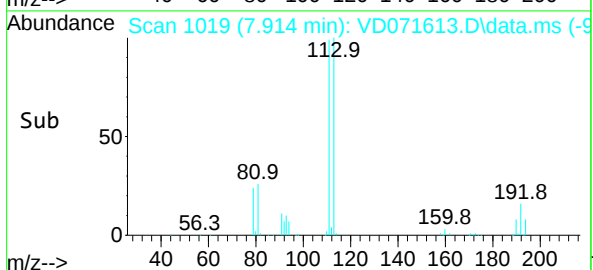
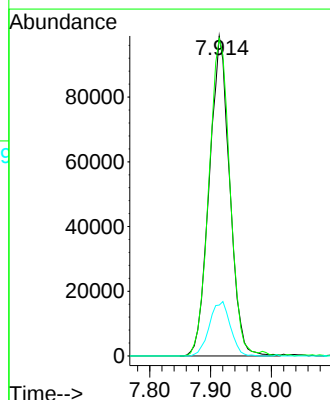
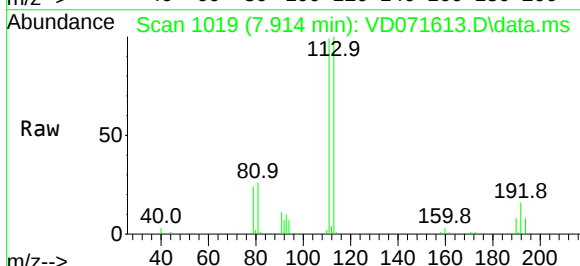
Tgt Ion:113 Resp: 230066

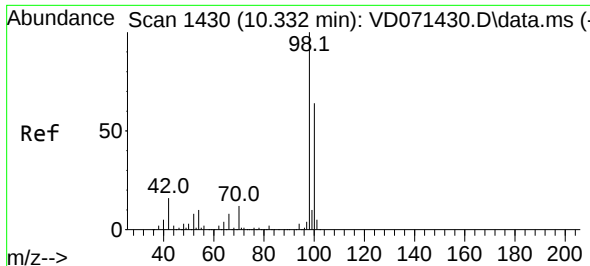
Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 17.4 15.2 22.8

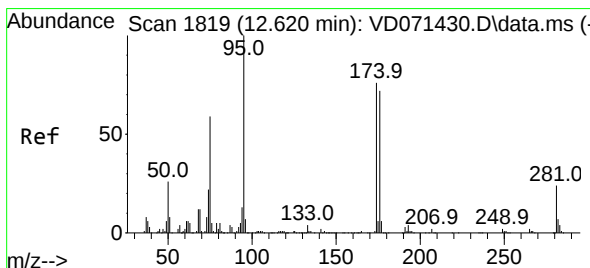
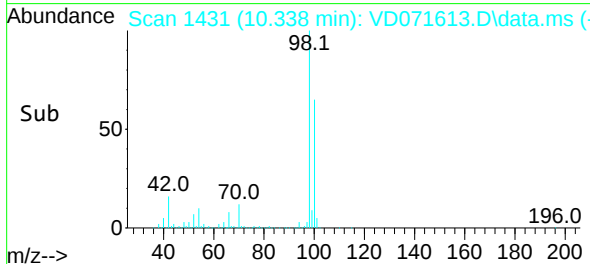
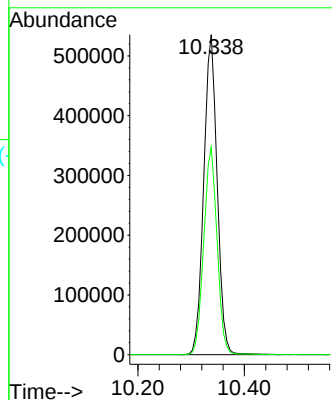
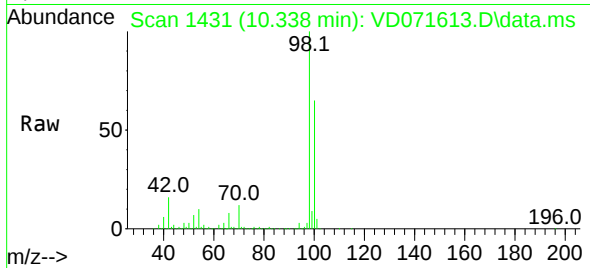




#50  
Toluene-d8  
Concen: 49.615 ug/l  
RT: 10.338 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: VD071613.D  
Acq: 05 Jan 2022 14:46

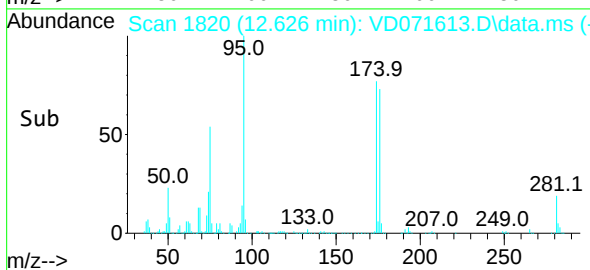
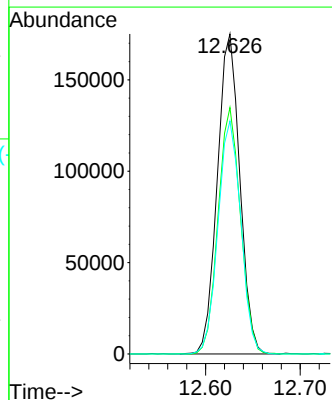
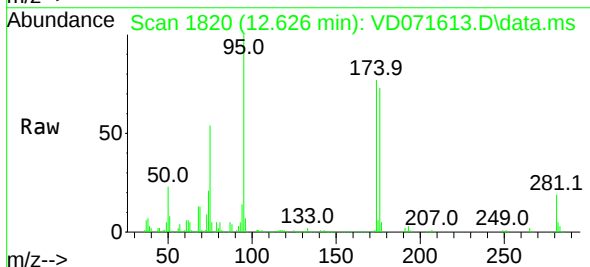
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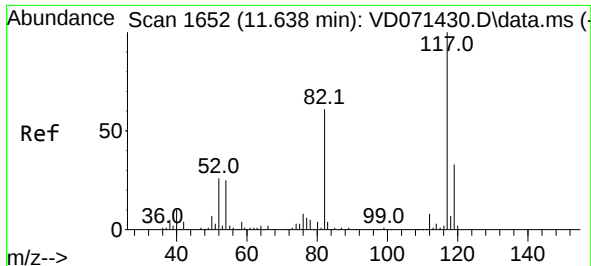
Tgt Ion: 98 Resp: 935630  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 43.125 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071613.D  
Acq: 05 Jan 2022 14:46

Tgt Ion: 95 Resp: 288989  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 159.4  
176 73.7 0.0 154.0

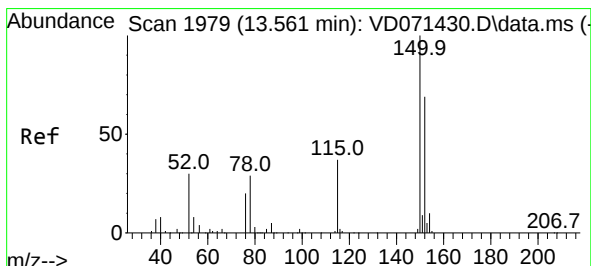
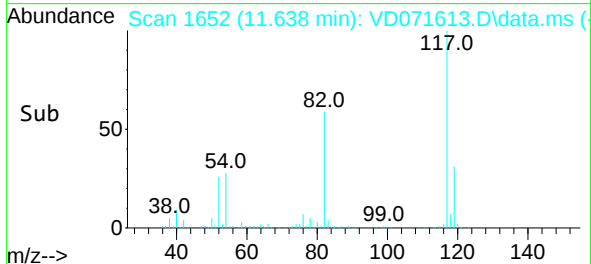
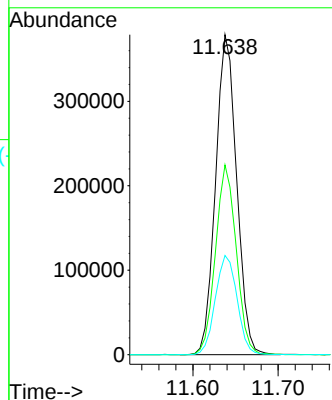
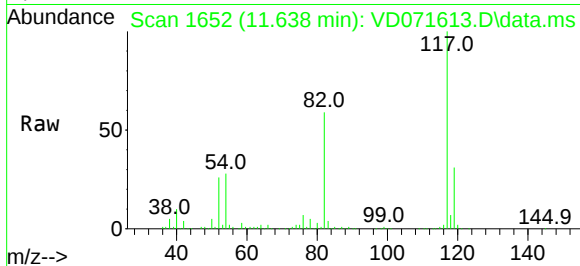




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD071613.D  
Acq: 05 Jan 2022 14:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
DB-24-(20-25)-12-29-21

Tgt Ion:117 Resp: 652082  
Ion Ratio Lower Upper  
117 100  
82 59.3 44.7 67.1  
119 30.9 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD071613.D  
Acq: 05 Jan 2022 14:46

Tgt Ion:152 Resp: 274246  
Ion Ratio Lower Upper  
152 100  
115 61.9 29.8 89.3  
150 158.2 0.0 349.2

