

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071315.D
 Acq On : 14 Dec 2021 12:39
 Operator : VA/SY
 Sample : M5022-39
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP13

Quant Time: Dec 15 08:27:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	47344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	83192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	101351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	54297	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	41729	75.116	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	150.240%
35) Dibromofluoromethane	7.908	113	28025	52.902	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.800%
50) Toluene-d8	10.332	98	103804	51.490	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.980%
62) 4-Bromofluorobenzene	12.626	95	49778	71.231	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	142.460%

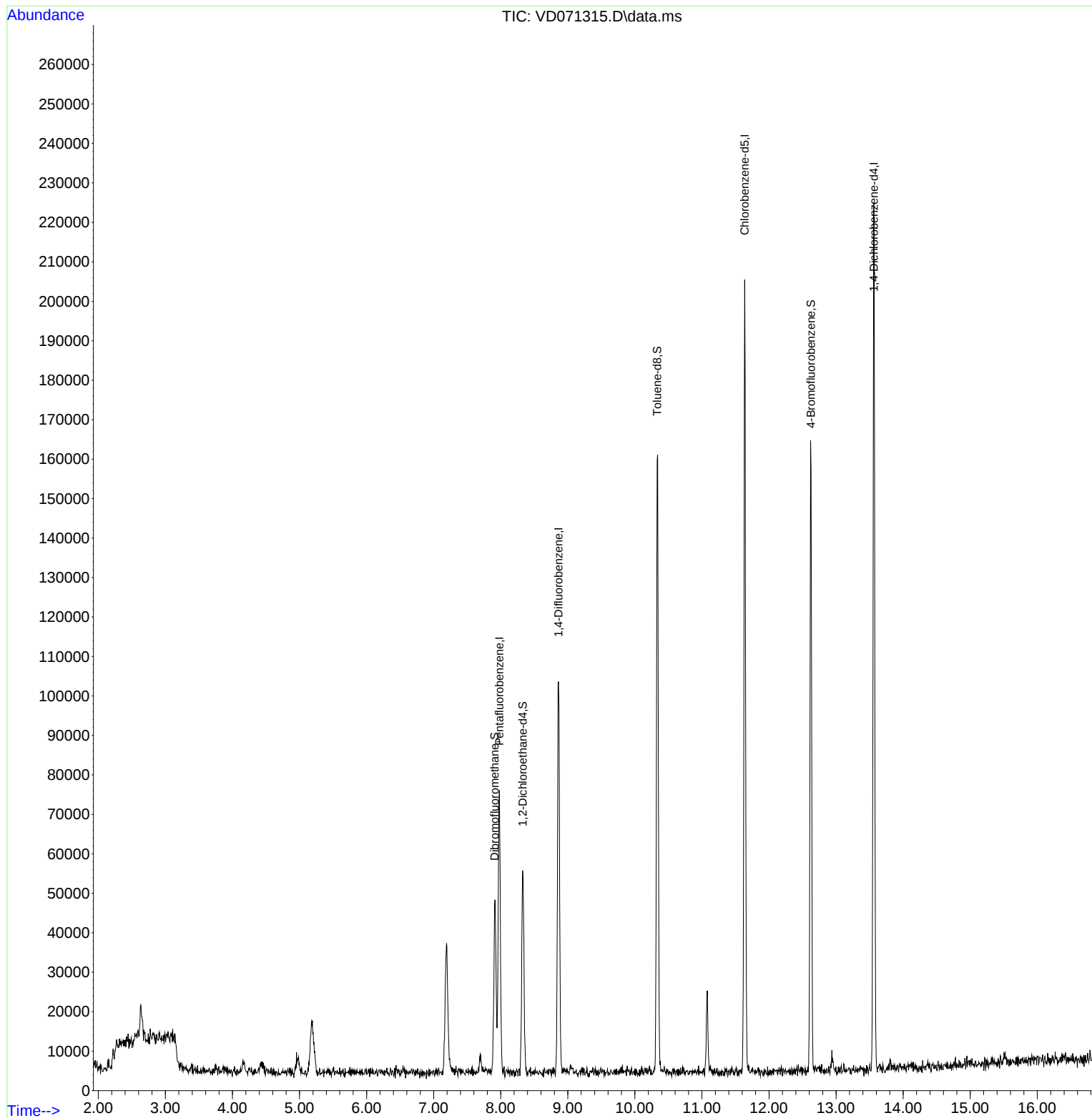
Target Compounds	Qvalue

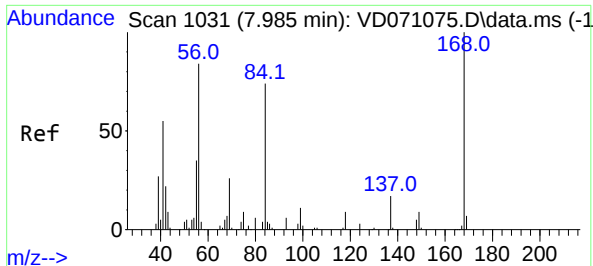
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071315.D

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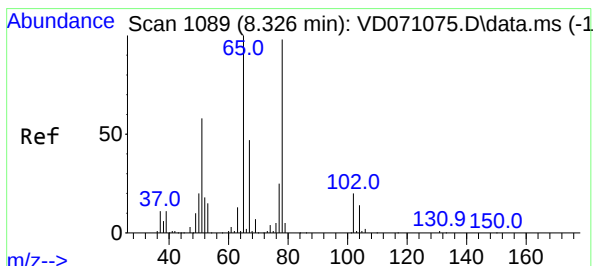
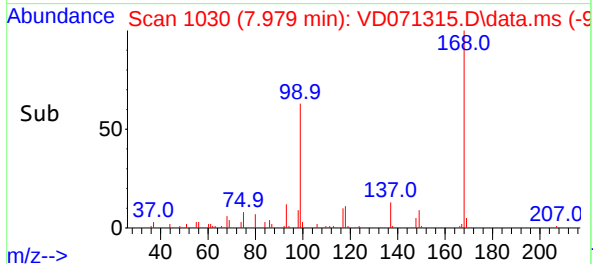
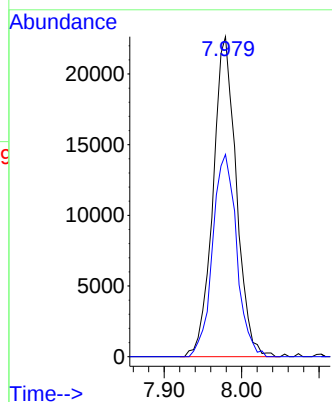
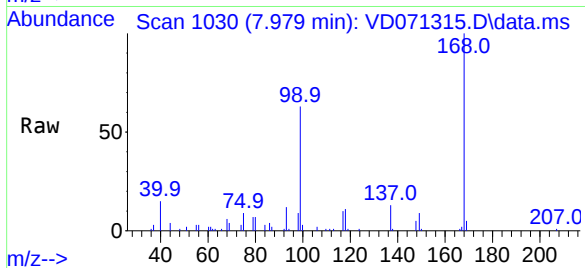
TP13

Tgt Ion:168 Resp: 47344

Ion Ratio Lower Upper

168 100

99 63.2 46.6 69.8



1,2-Dichloroethane-d4

Concen: 75.116 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071315.D

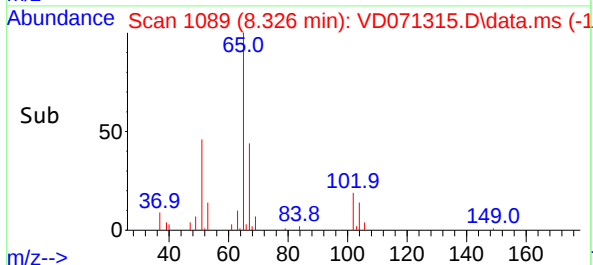
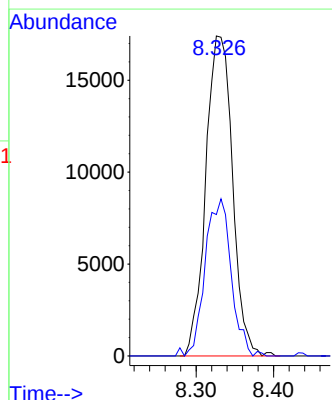
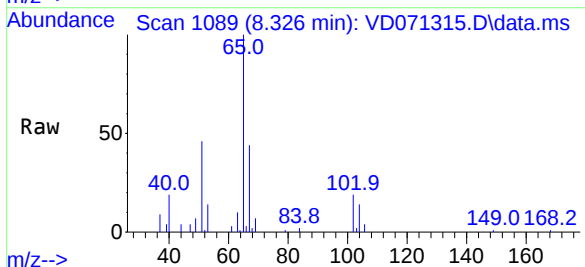
Acq: 14 Dec 2021 12:39

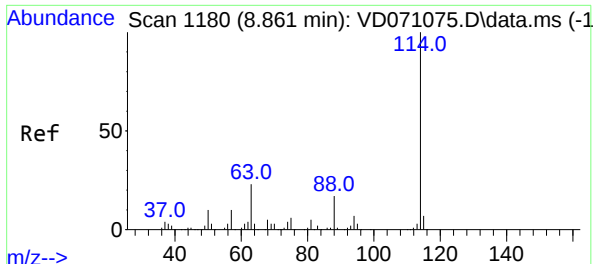
Tgt Ion: 65 Resp: 41729

Ion Ratio Lower Upper

65 100

67 47.8 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: VD071315.D

Acq: 14 Dec 2021 12:39

Instrument :

MSVOA_D

ClientSampleId :

TP13

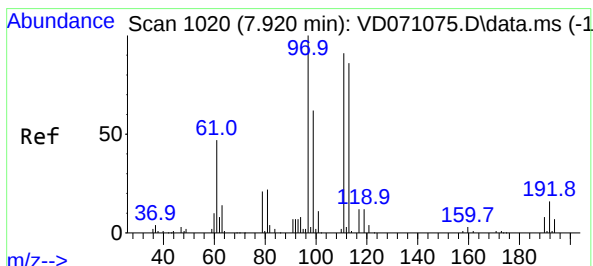
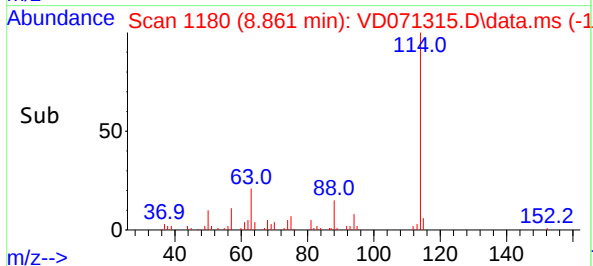
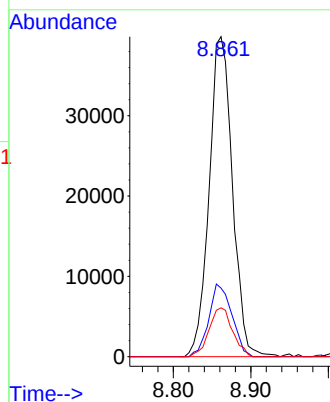
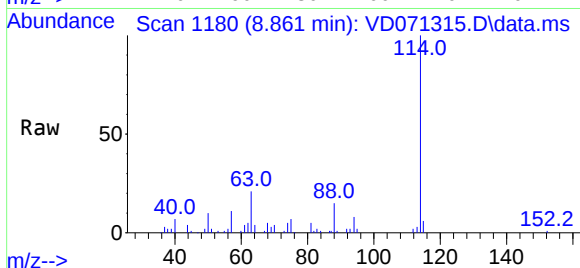
Tgt Ion:114 Resp: 83192

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.902 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071315.D

Acq: 14 Dec 2021 12:39

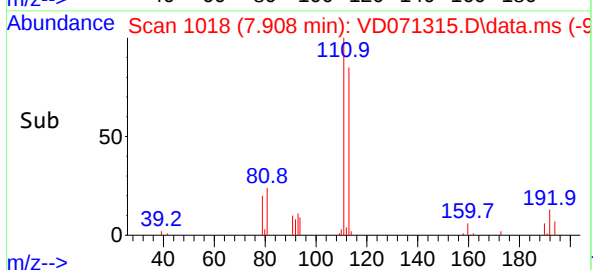
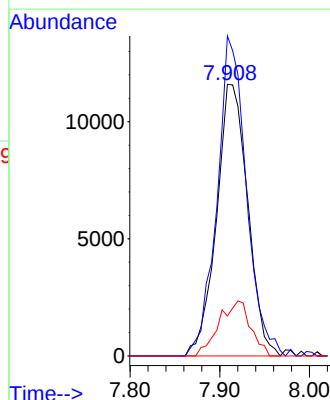
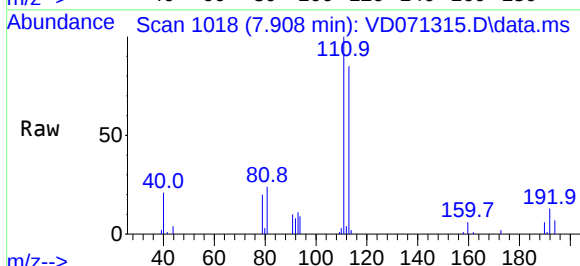
Tgt Ion:113 Resp: 28025

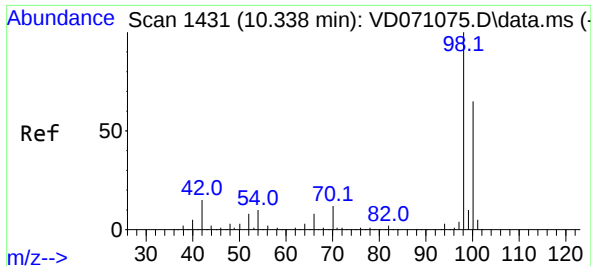
Ion Ratio Lower Upper

113 100

111 110.3 82.0 123.0

192 20.5 15.2 22.8

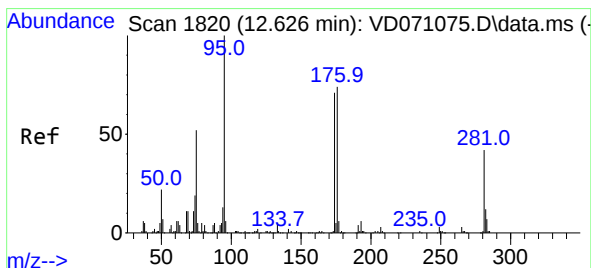
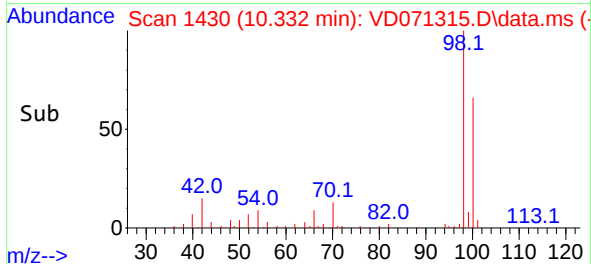
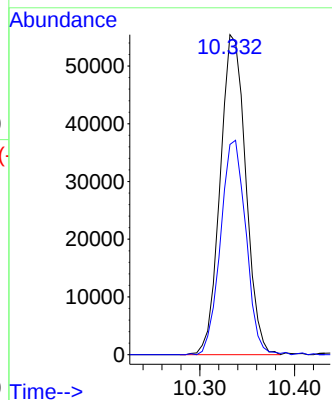
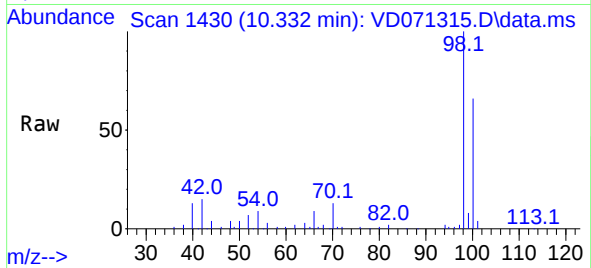




#50
Toluene-d8
Concen: 51.490 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071315.D
Acq: 14 Dec 2021 12:39

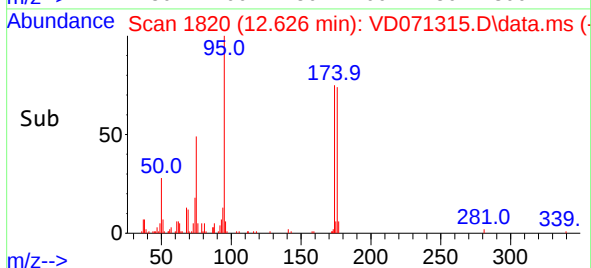
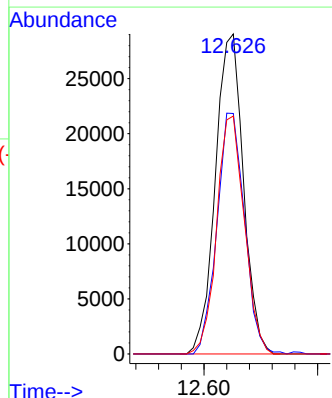
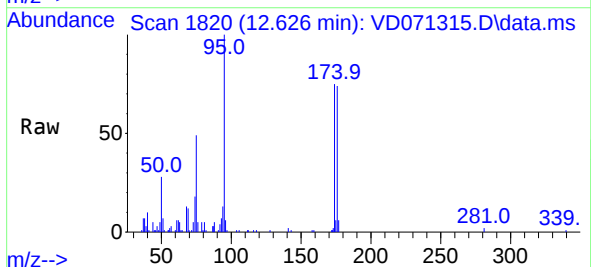
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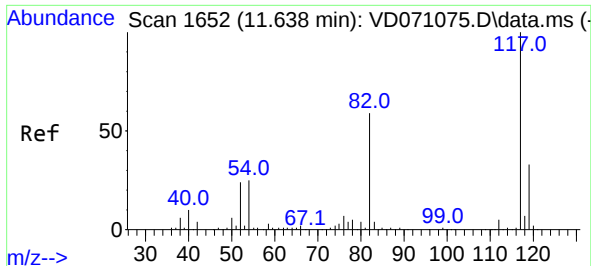
Tgt Ion: 98 Resp: 103804
Ion Ratio Lower Upper
98 100
100 66.5 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 71.231 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071315.D
Acq: 14 Dec 2021 12:39

Tgt Ion: 95 Resp: 49778
Ion Ratio Lower Upper
95 100
174 74.0 0.0 159.4
176 73.1 0.0 154.0

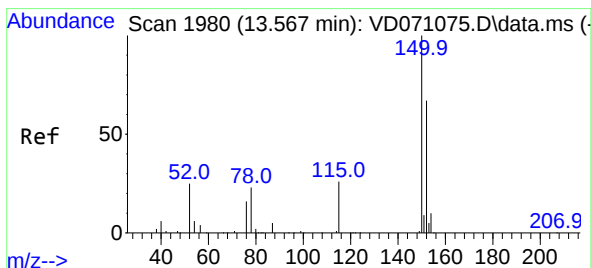
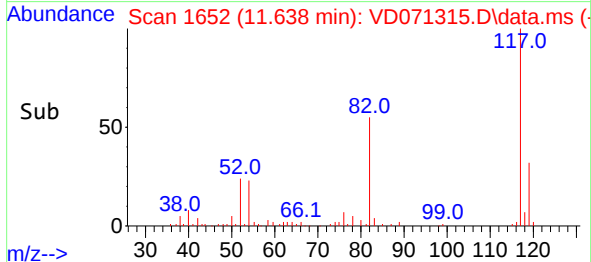
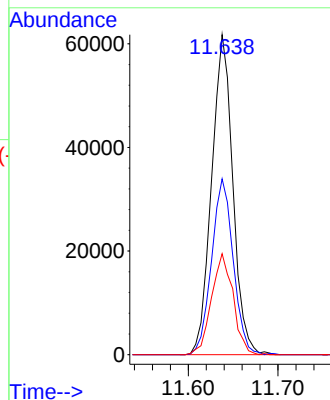
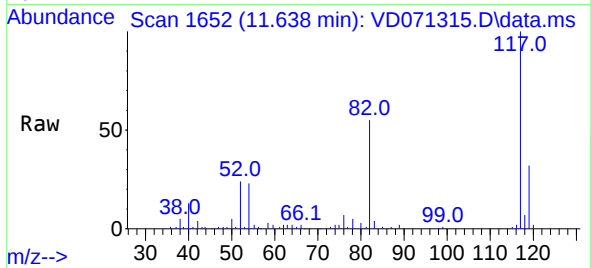




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071315.D
Acq: 14 Dec 2021 12:39

Instrument :
MSVOA_D
ClientSampleId :
TP13

Tgt Ion:117 Resp: 101351
Ion Ratio Lower Upper
117 100
82 54.9 44.7 67.1
119 31.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071315.D
Acq: 14 Dec 2021 12:39

Tgt Ion:152 Resp: 54297
Ion Ratio Lower Upper
152 100
115 61.1 29.8 89.3
150 160.3 0.0 349.2

