

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071328.D
 Acq On : 14 Dec 2021 18:45
 Operator : VA/SY
 Sample : M5086-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 14ST-SP-121421

Quant Time: Dec 15 08:33:03 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	305126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	525610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	585402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	284836	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	157068	43.870	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.740%
35) Dibromofluoromethane	7.908	113	154826	46.258	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.520%
50) Toluene-d8	10.332	98	680172	53.401	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.800%
62) 4-Bromofluorobenzene	12.620	95	282796	64.051	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.100%

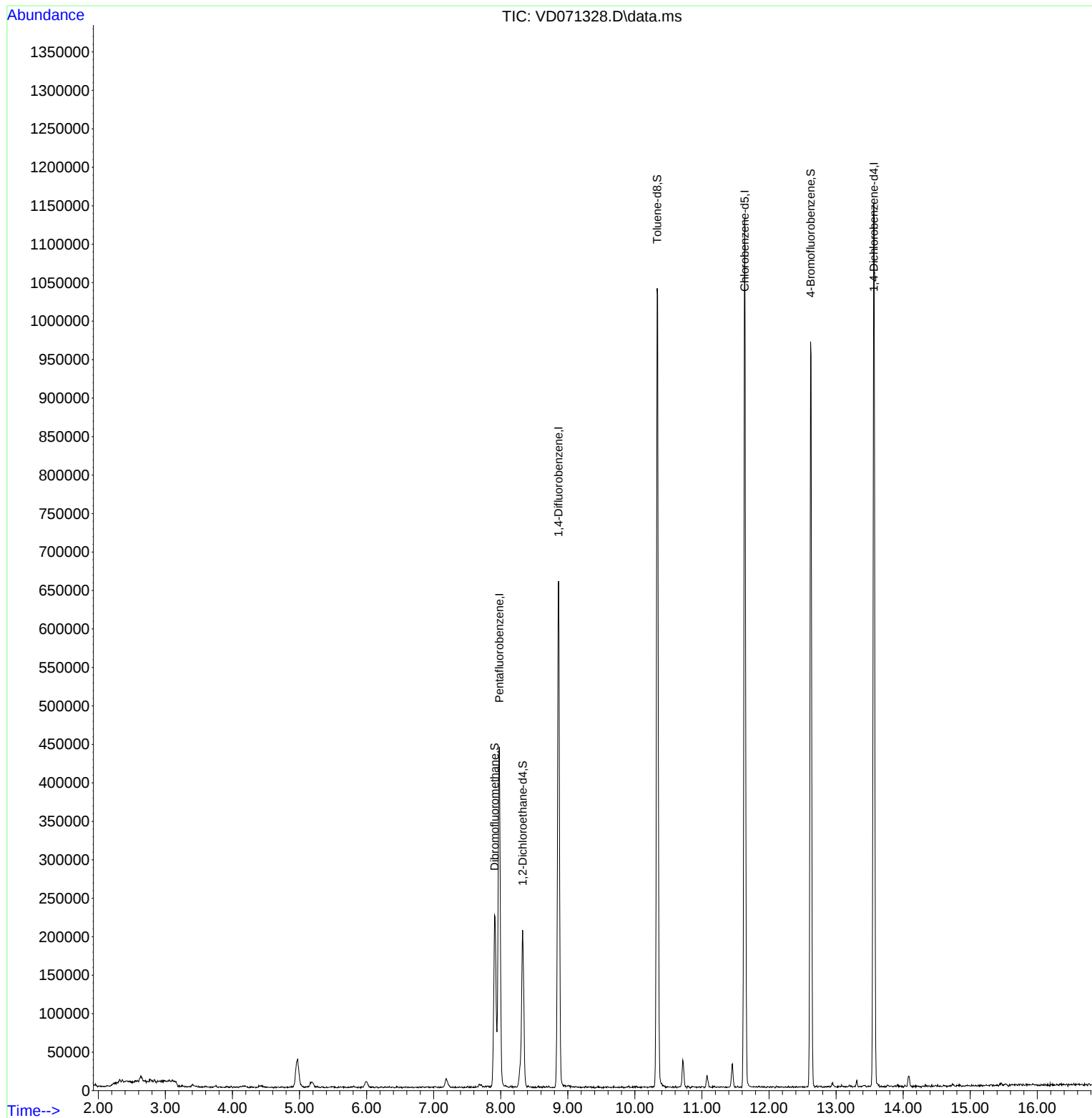
Target Compounds	Qvalue

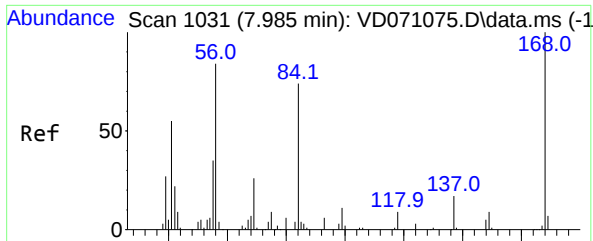
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071328.D

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Instrument :

MSVOA_D

ClientSampleId :

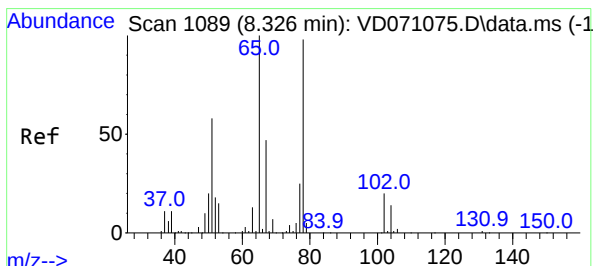
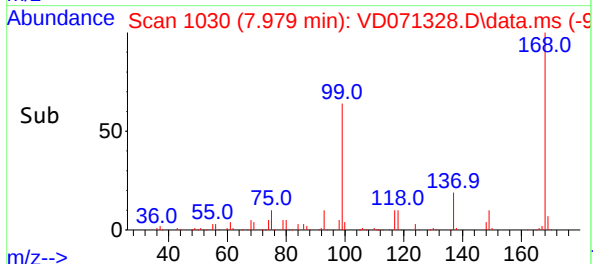
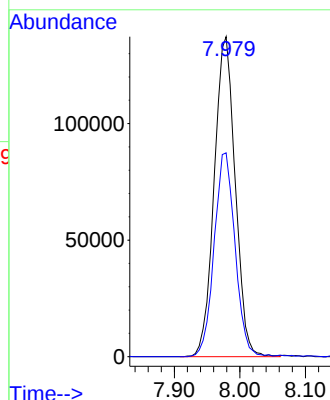
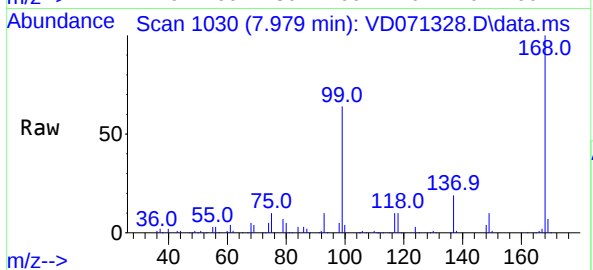
14ST-SP-121421

Tgt Ion:168 Resp: 305126

Ion Ratio Lower Upper

168 100

99 63.7 46.6 69.8



1,2-Dichloroethane-d4

Concen: 43.870 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071328.D

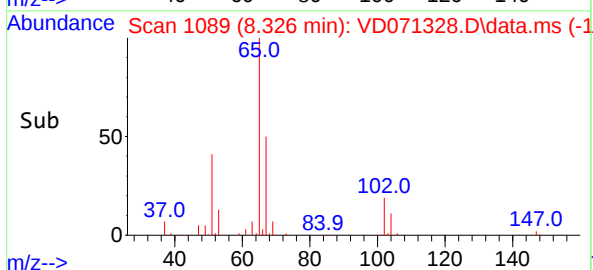
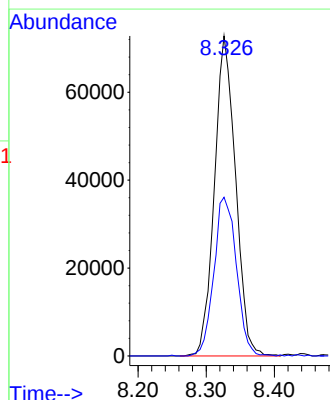
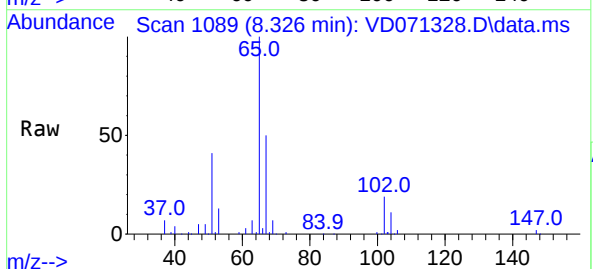
Acq: 14 Dec 2021 18:45

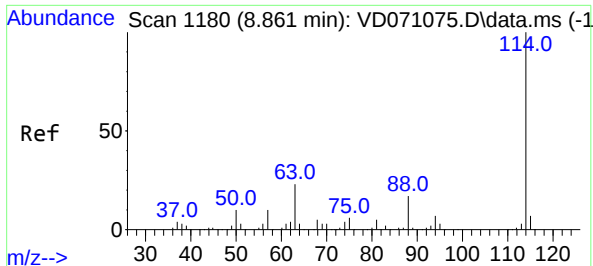
Tgt Ion: 65 Resp: 157068

Ion Ratio Lower Upper

65 100

67 52.9 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: VD071328.D

Acq: 14 Dec 2021 18:45

Instrument :

MSVOA_D

ClientSampleId :

14ST-SP-121421

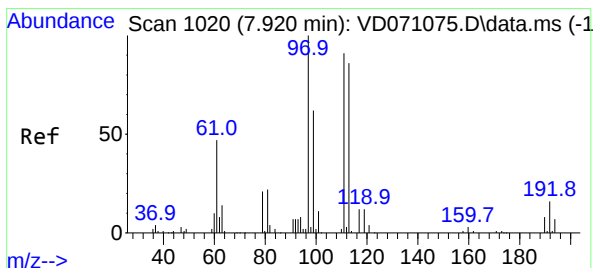
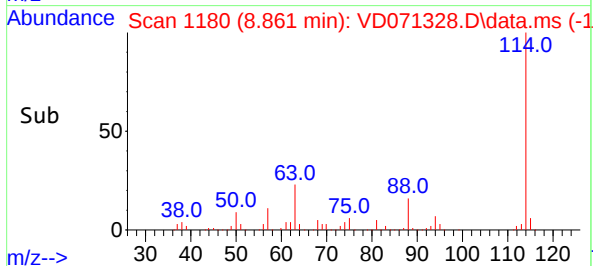
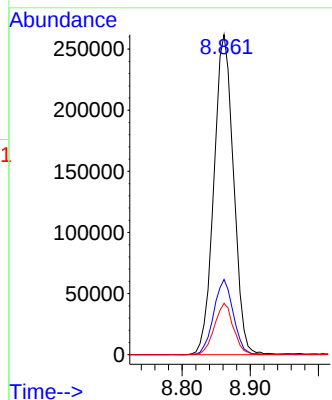
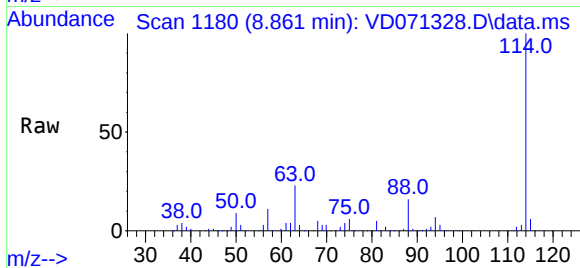
Tgt Ion:114 Resp: 525610

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.258 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071328.D

Acq: 14 Dec 2021 18:45

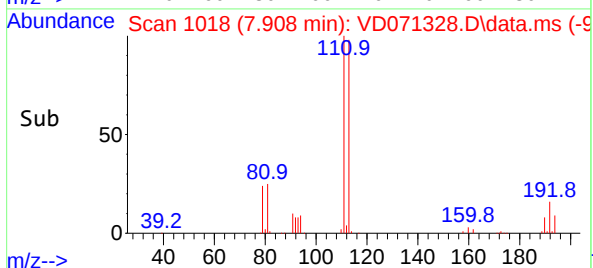
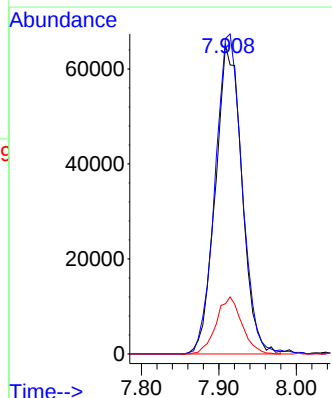
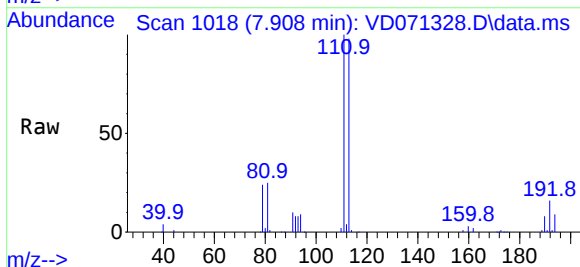
Tgt Ion:113 Resp: 154826

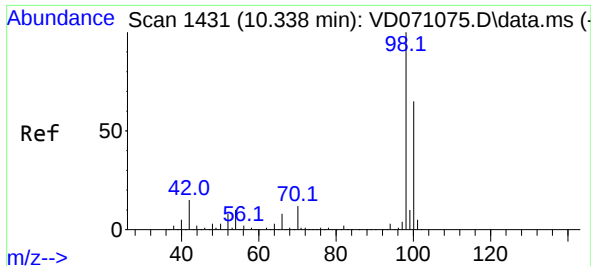
Ion Ratio Lower Upper

113 100

111 104.9 82.0 123.0

192 17.8 15.2 22.8

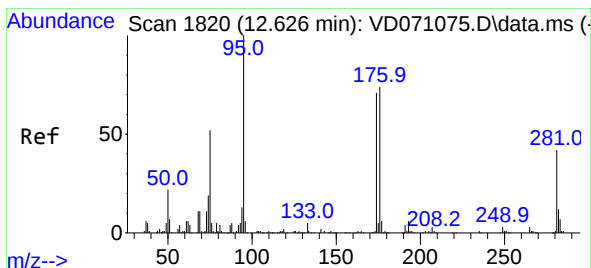
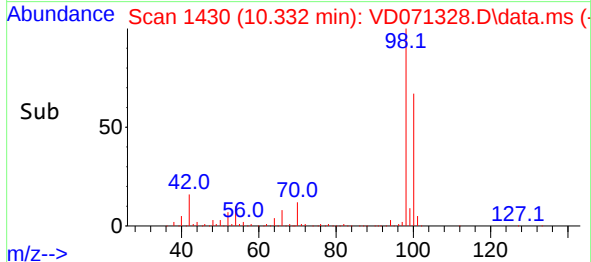
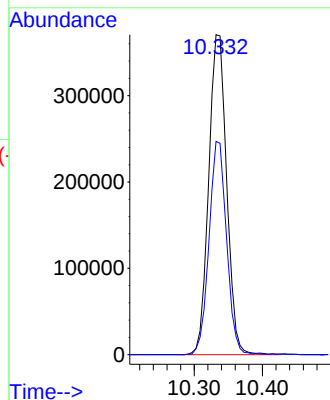
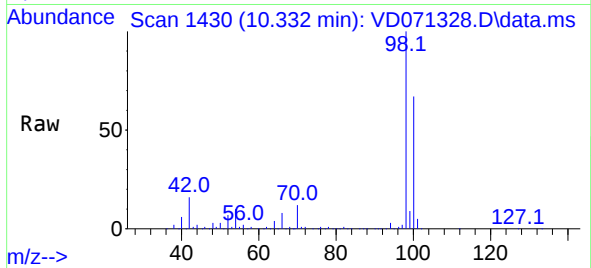




#50
Toluene-d8
Concen: 53.401 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

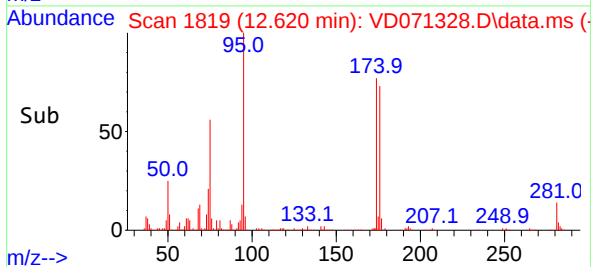
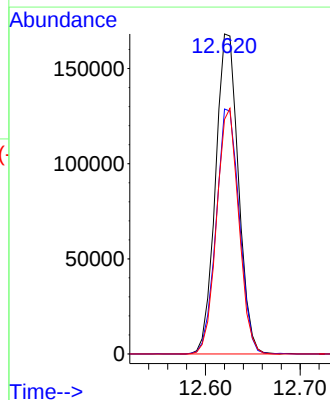
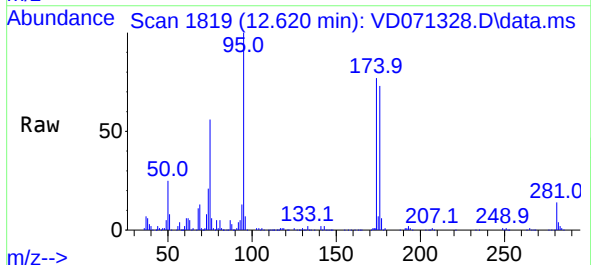
Instrument :
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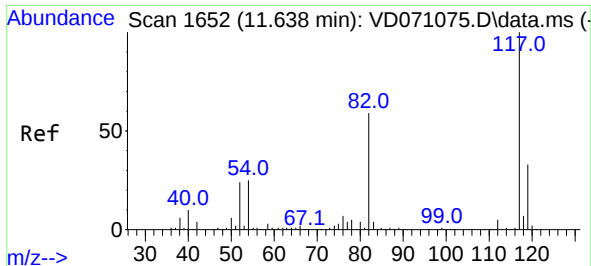
Tgt Ion: 98 Resp: 680172
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 64.051 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Tgt Ion: 95 Resp: 282796
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 74.2 0.0 154.0

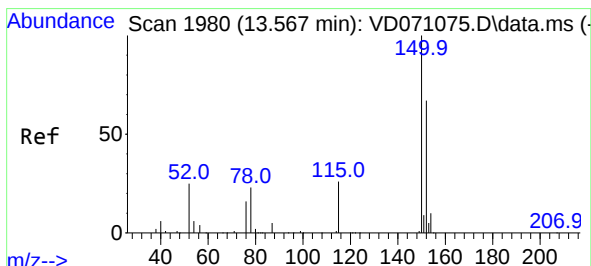
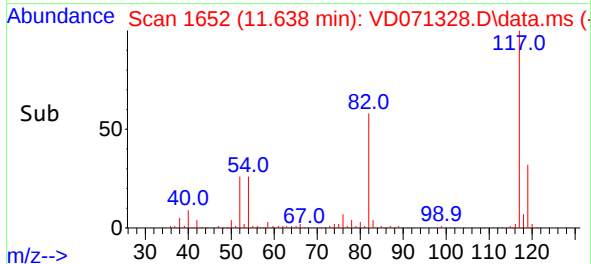
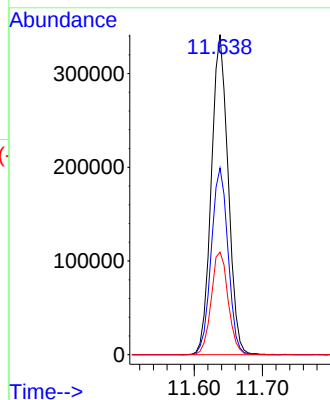
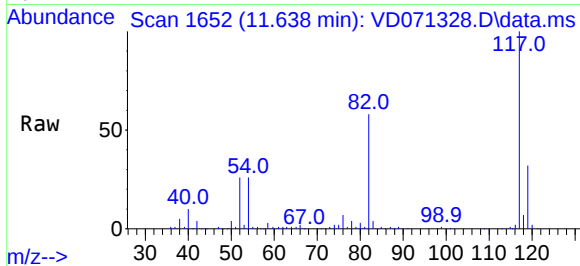




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071328.D
Acq: 14 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :
14ST-SP-121421

Tgt Ion:117 Resp: 585402
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 32.1 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: VD071328.D
Acq: 14 Dec 2021 18:45

Tgt Ion:152 Resp: 284836
Ion Ratio Lower Upper
152 100
115 60.3 29.8 89.3
150 158.3 0.0 349.2

