

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071155.D
 Acq On : 04 Dec 2021 20:36
 Operator : VA/SY
 Sample : M4927-11
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PH1-BOT-12

Quant Time: Dec 06 04:34:18 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	284004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	508674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	528146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	251226	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152166	45.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.320%
35) Dibromofluoromethane	7.914	113	151016	46.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.240%
50) Toluene-d8	10.338	98	652832	52.961	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.920%
62) 4-Bromofluorobenzene	12.626	95	250973	58.736	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.480%

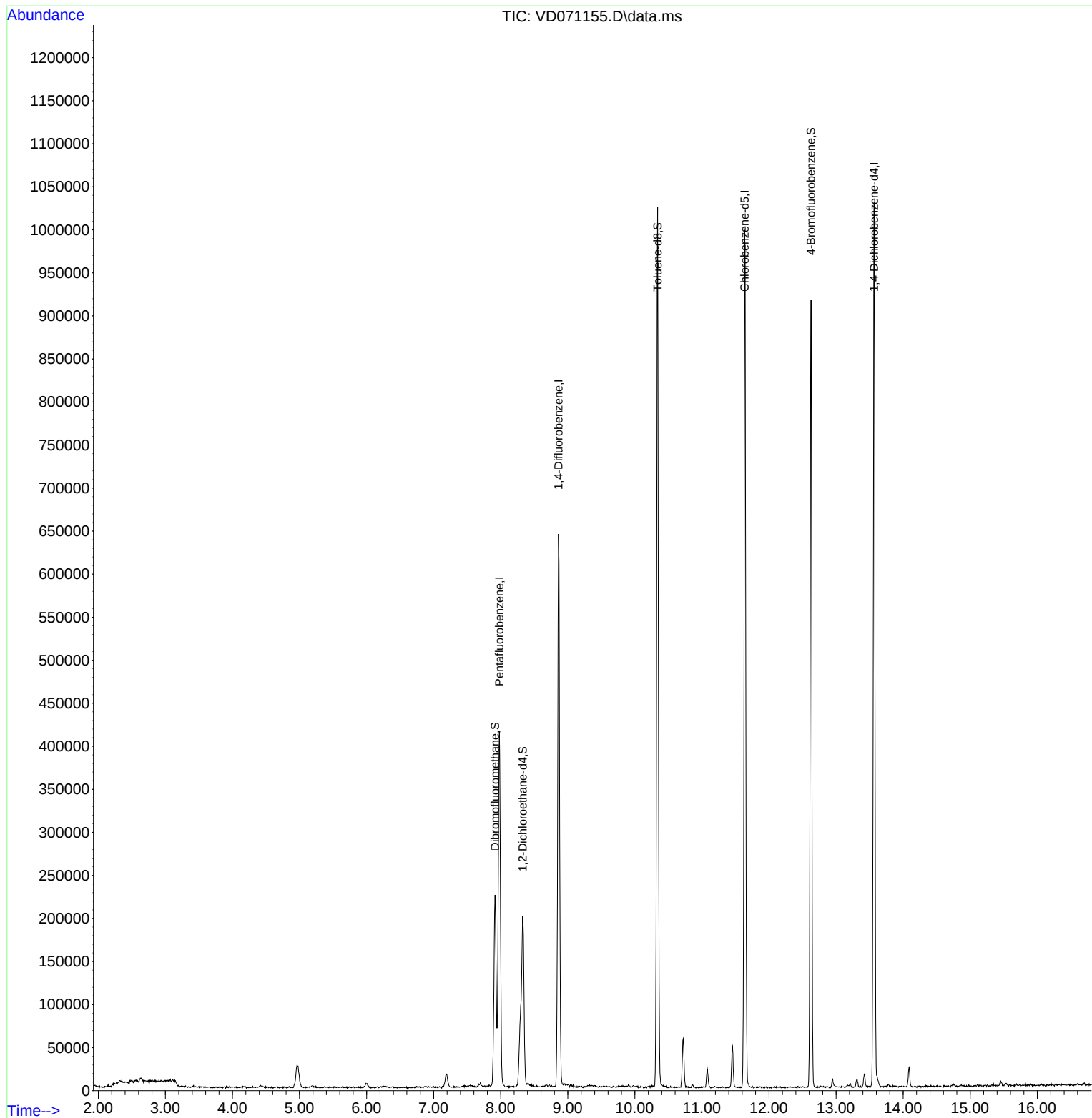
Target Compounds	Qvalue

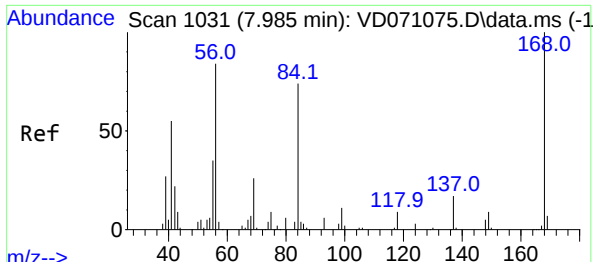
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD071155.D

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MSVOA_D

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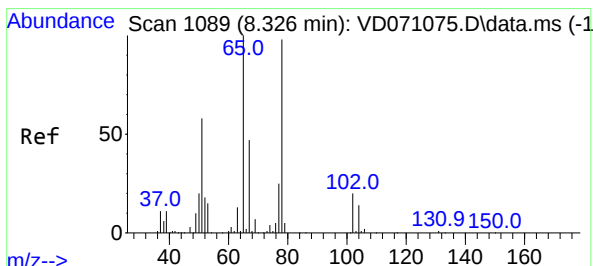
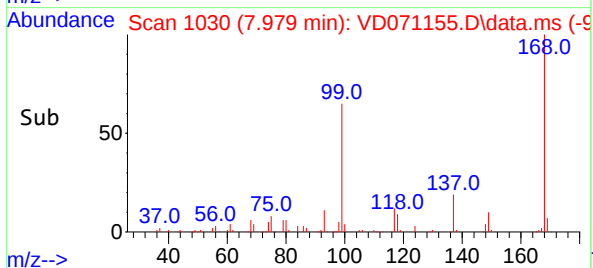
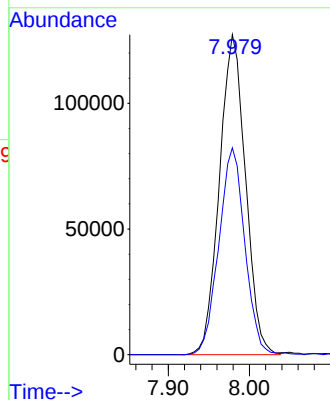
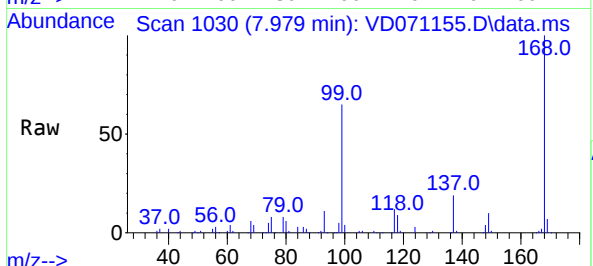
PH1-BOT-12

Tgt Ion:168 Resp: 284004

Ion Ratio Lower Upper

168 100

99 64.7 46.6 69.8



1,2-Dichloroethane-d4

Concen: 45.662 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071155.D

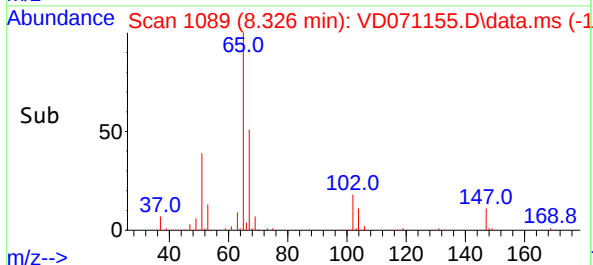
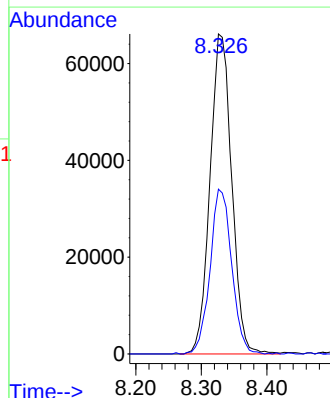
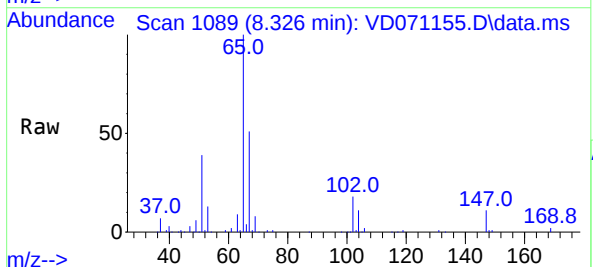
Acq: 04 Dec 2021 20:36

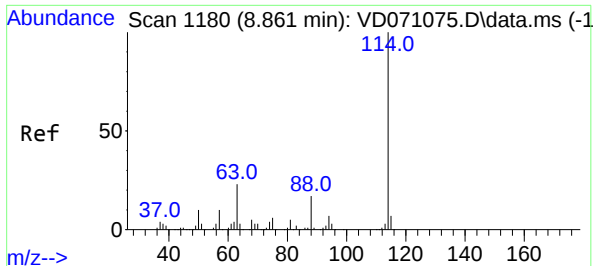
Tgt Ion: 65 Resp: 152166

Ion Ratio Lower Upper

65 100

67 51.3 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: VD071155.D

Acq: 04 Dec 2021 20:36

Instrument :

MSVOA_D

ClientSampleId :

PH1-BOT-12

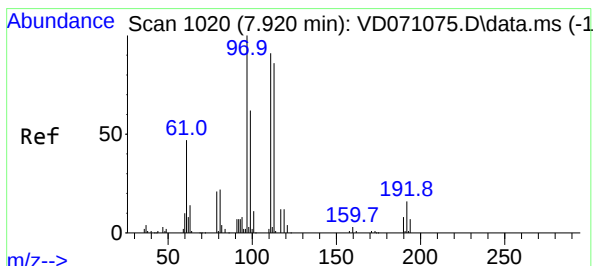
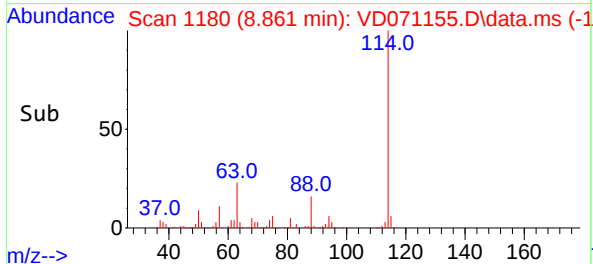
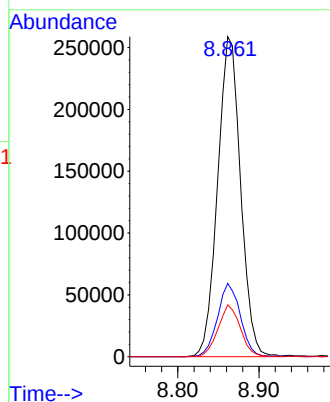
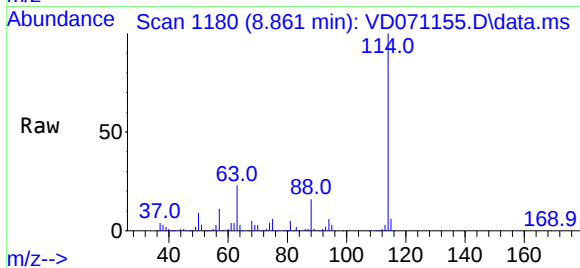
Tgt Ion:114 Resp: 508674

Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.8

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.622 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071155.D

Acq: 04 Dec 2021 20:36

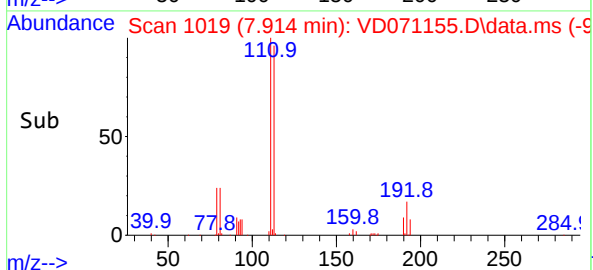
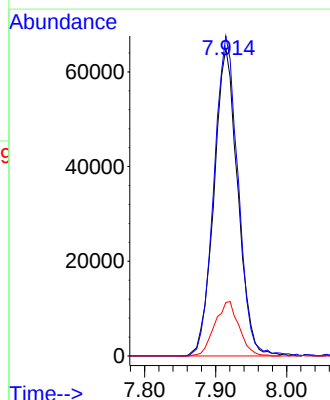
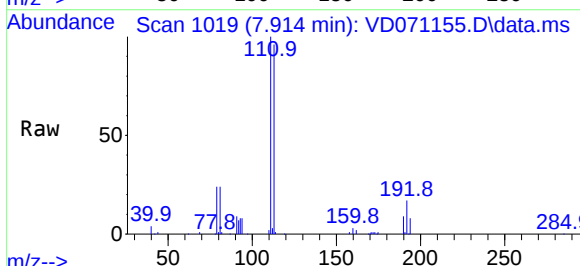
Tgt Ion:113 Resp: 151016

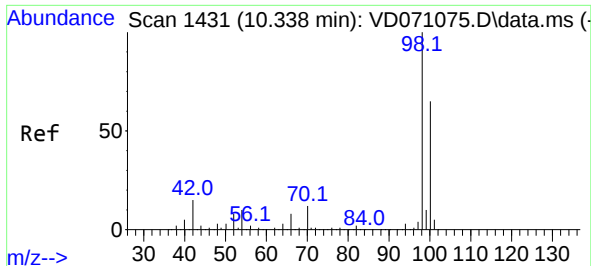
Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

192 18.0 15.2 22.8

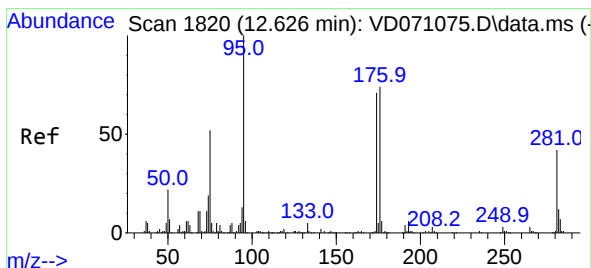
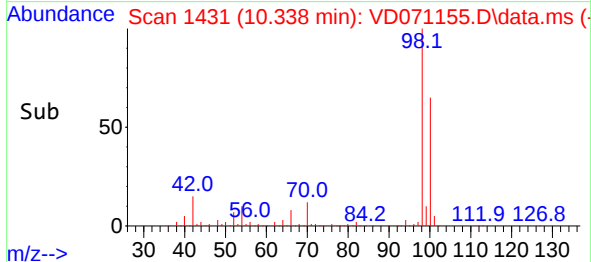
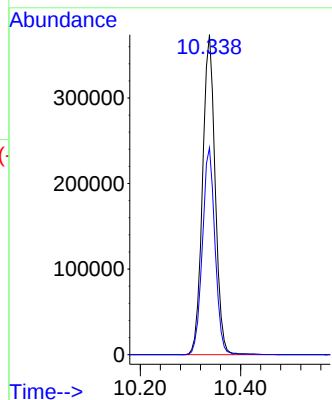
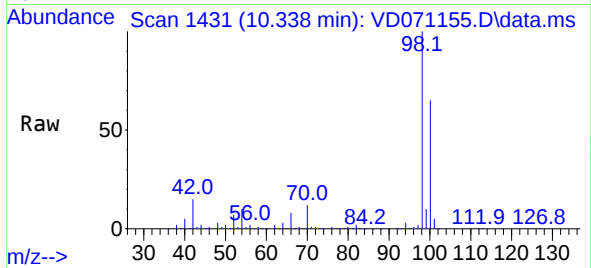




#50
Toluene-d8
Concen: 52.961 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

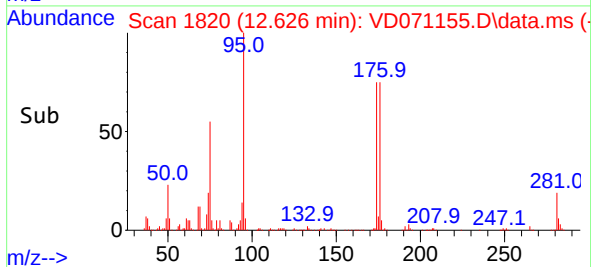
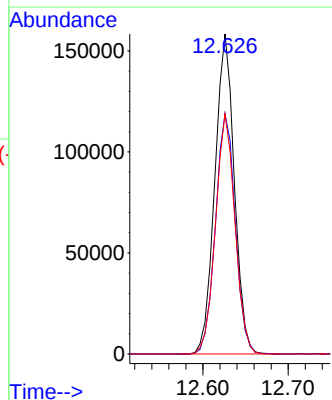
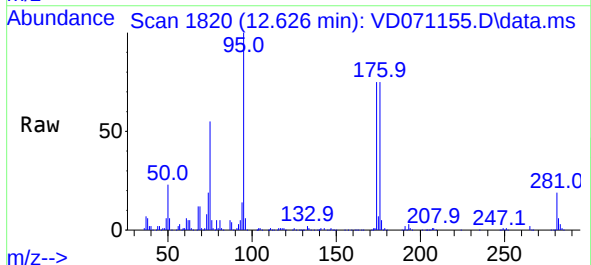
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-12

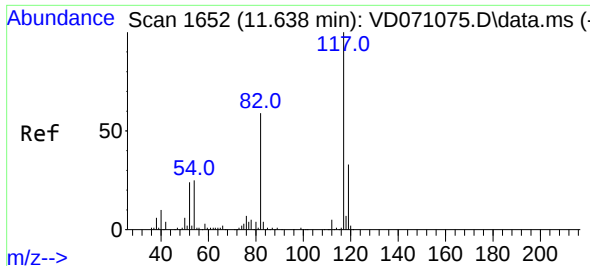
Tgt Ion: 98 Resp: 652832
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 58.736 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

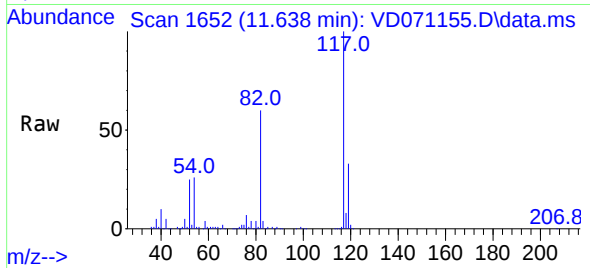
Tgt Ion: 95 Resp: 250973
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 74.9 0.0 154.0



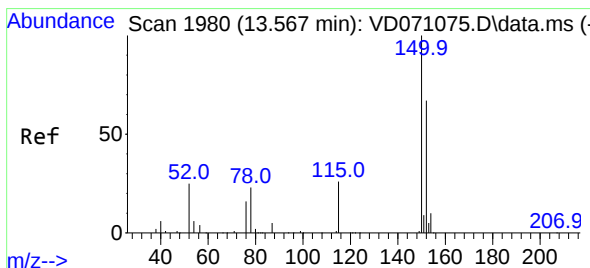
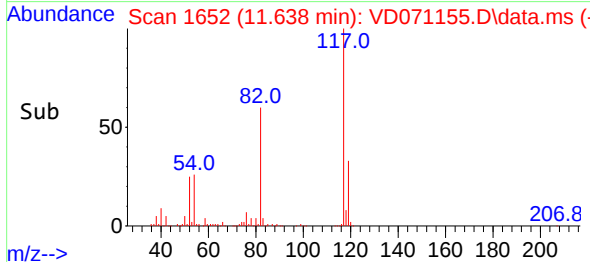
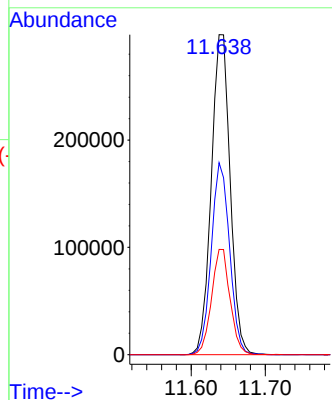


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-12



Tgt Ion:117 Resp: 528146
Ion Ratio Lower Upper
117 100
82 60.0 44.7 67.1
119 32.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071155.D
Acq: 04 Dec 2021 20:36

Tgt Ion:152 Resp: 251226
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 157.5 0.0 349.2

