

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100521\
 Data File : VD070580.D
 Acq On : 05 Oct 2021 19:06
 Operator : VA/SY
 Sample : M4043-03
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-04-100121

Quant Time: Oct 06 09:24:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	357267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	738254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	691700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	276248	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235722	56.06	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.12%
35) Dibromofluoromethane	7.914	113	251840	51.31	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.62%
50) Toluene-d8	10.338	98	942865	50.25	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.50%
62) 4-Bromofluorobenzene	12.626	95	276153	44.03	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.06%

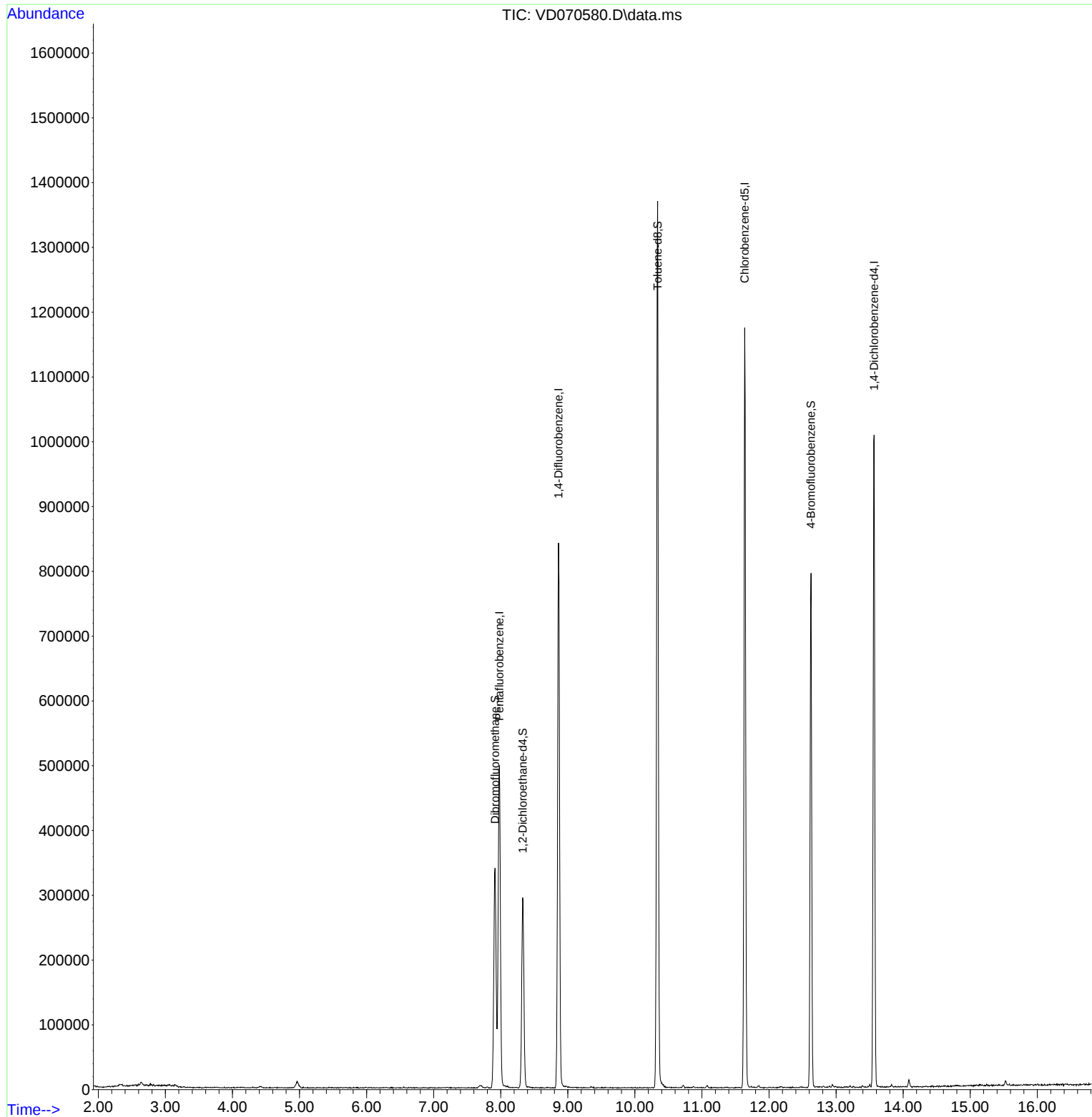
Target Compounds	Qvalue

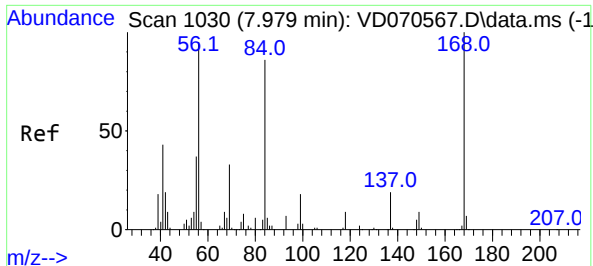
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.979 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070580.D

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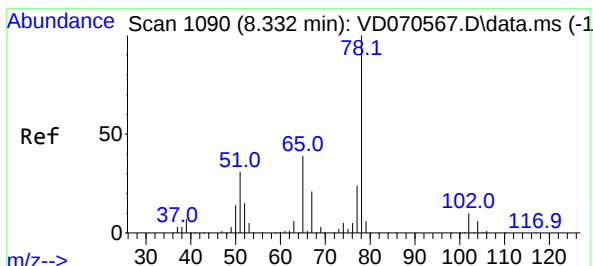
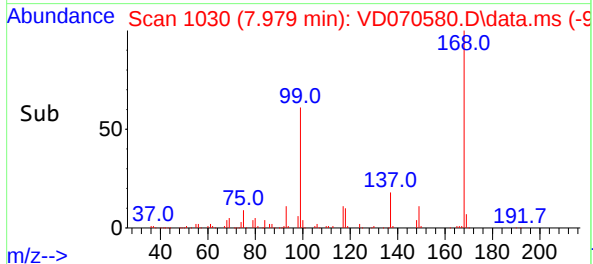
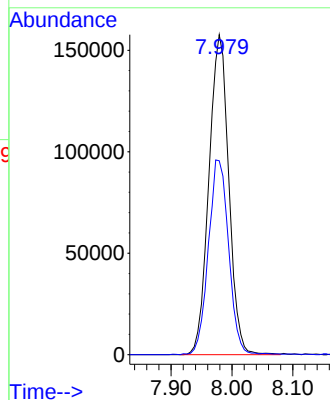
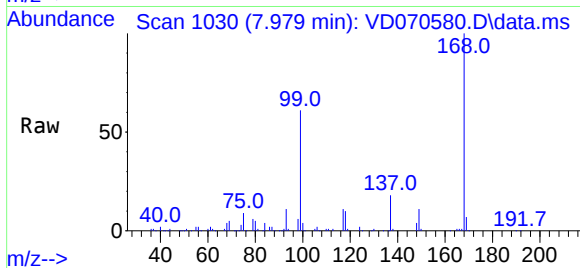
HR-04-100121

Tgt Ion:168 Resp: 357267

Ion Ratio Lower Upper

168 100

99 60.6 51.4 77.0



1,2-Dichloroethane-d4

Concen: 56.06 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD070580.D

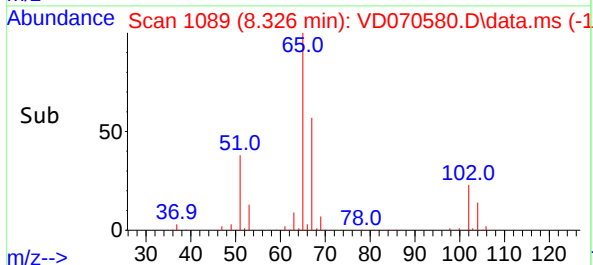
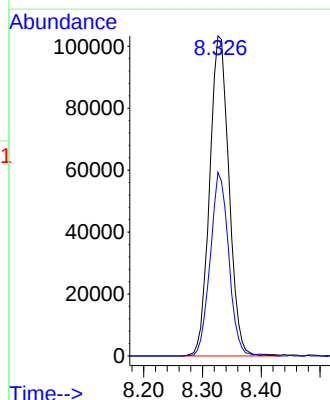
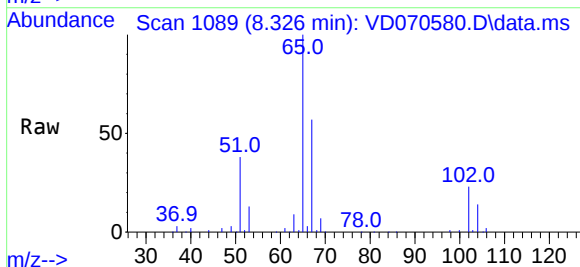
Acq: 05 Oct 2021 19:06

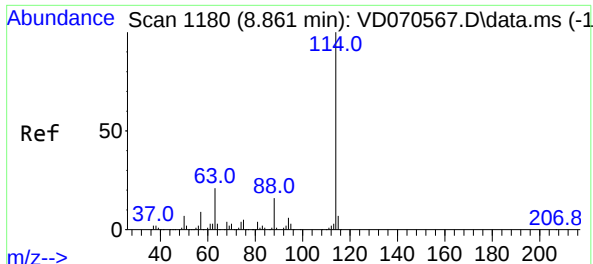
Tgt Ion: 65 Resp: 235722

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070580.D

Acq: 05 Oct 2021 19:06

Instrument :

MSVOA_D

ClientSampleId :

HR-04-100121

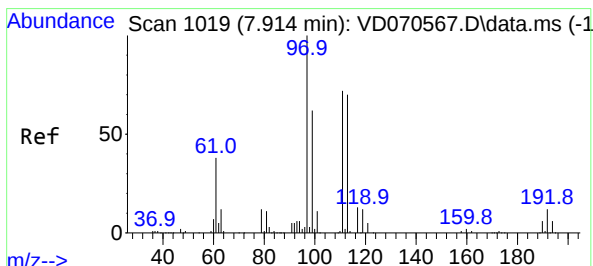
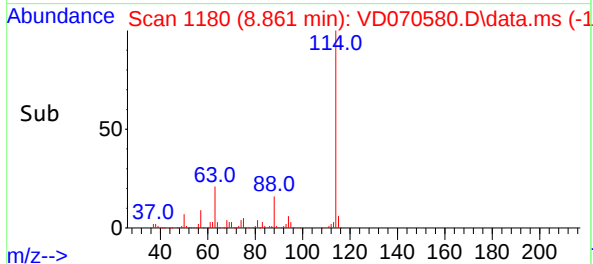
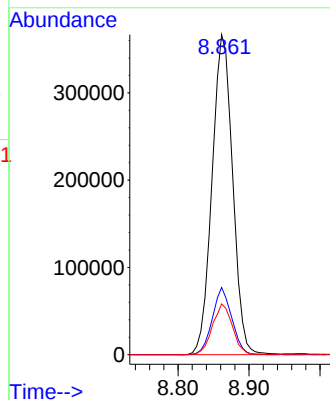
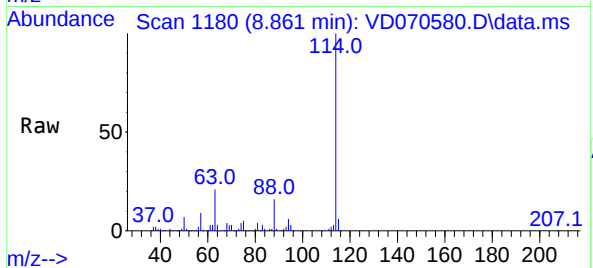
Tgt Ion:114 Resp: 738254

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.8

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.31 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070580.D

Acq: 05 Oct 2021 19:06

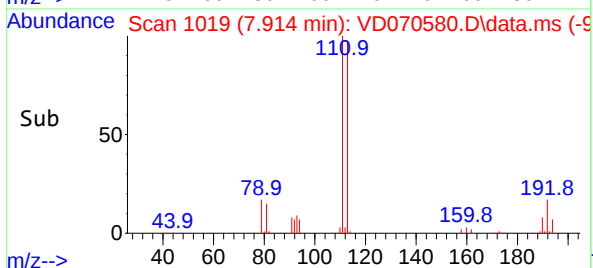
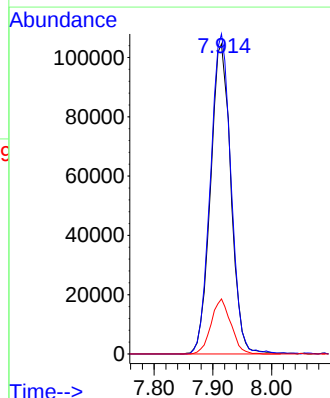
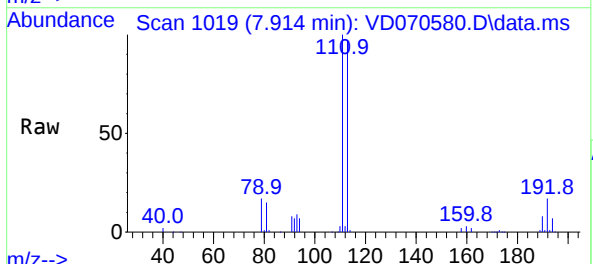
Tgt Ion:113 Resp: 251840

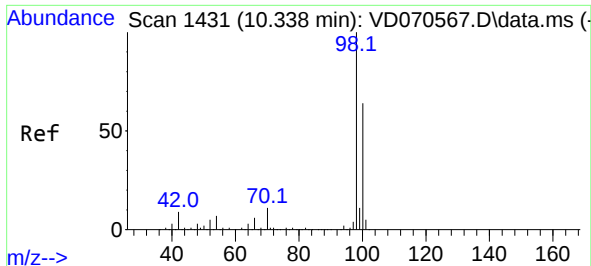
Ion Ratio Lower Upper

113 100

111 104.1 83.1 124.7

192 17.2 12.7 19.1

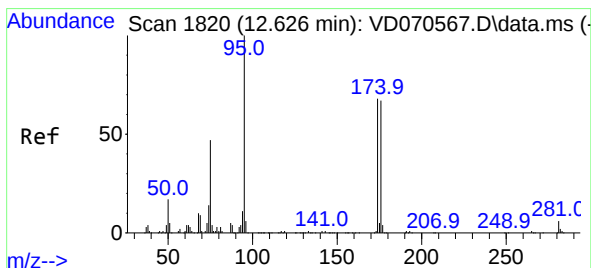
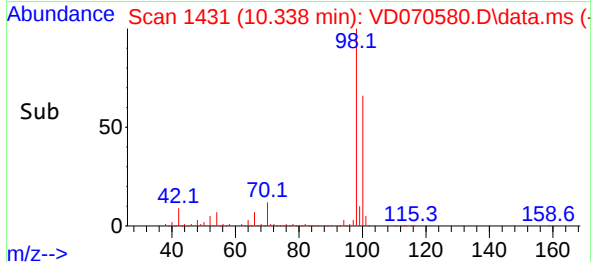
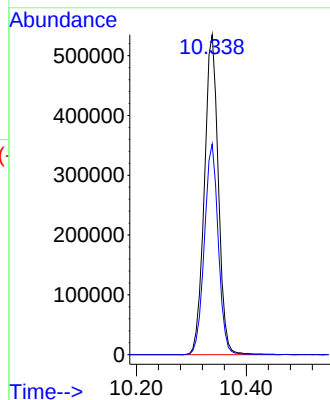
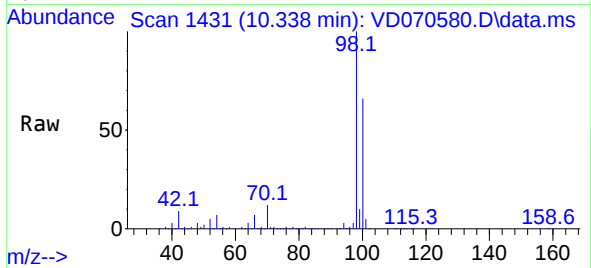




#50
Toluene-d8
Concen: 50.25 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

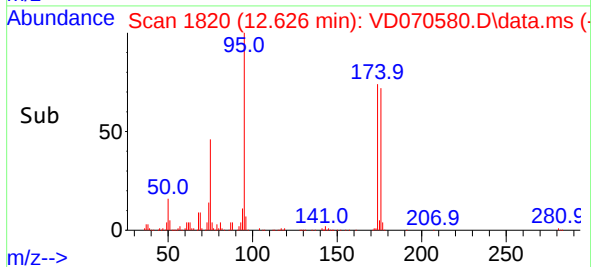
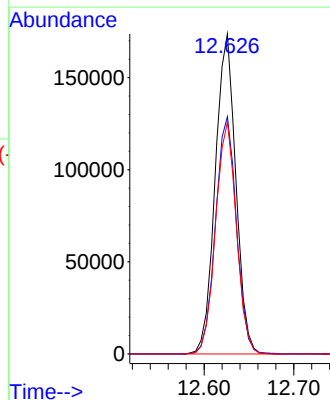
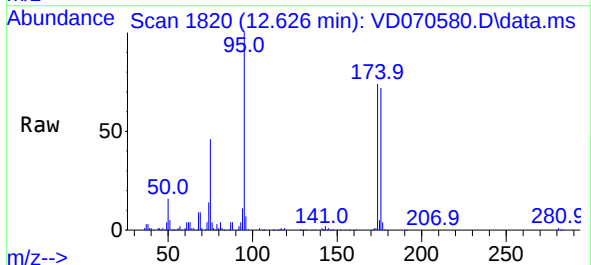
Instrument :
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HR-04-100121

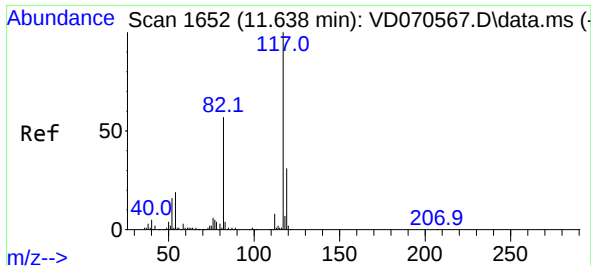
Tgt Ion: 98 Resp: 942865
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.03 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion: 95 Resp: 276153
Ion Ratio Lower Upper
95 100
174 75.6 0.0 138.0
176 72.9 0.0 135.6

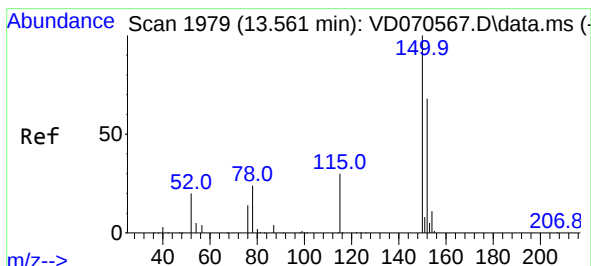
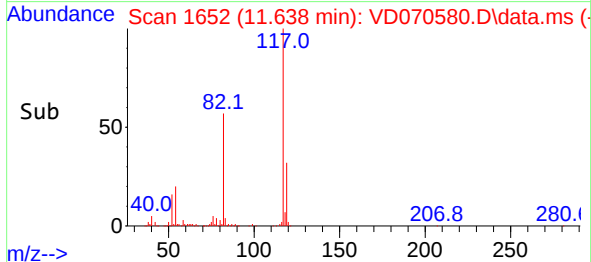
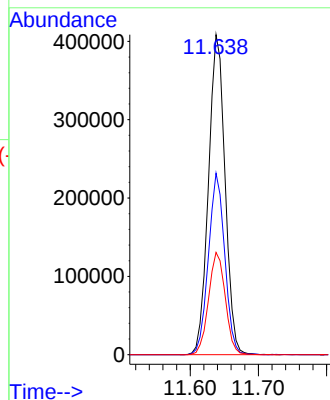
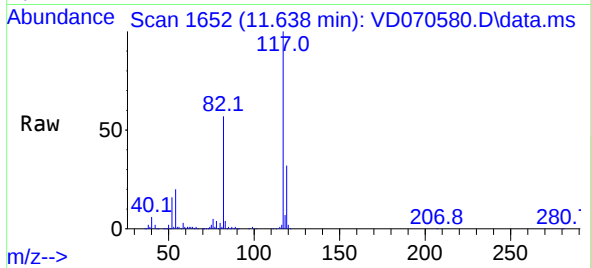




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Instrument :
MSVOA_D
ClientSampleId :
HR-04-100121

Tgt Ion:117 Resp: 691700
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 31.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070580.D
Acq: 05 Oct 2021 19:06

Tgt Ion:152 Resp: 276248
Ion Ratio Lower Upper
152 100
115 63.5 31.9 95.7
150 159.8 0.0 350.0

