

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071154.D
 Acq On : 04 Dec 2021 20:08
 Operator : VA/SY
 Sample : M4927-10
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PH1-BOT-11

Quant Time: Dec 06 04:34:07 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	286280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	496136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	518111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	247969	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	147412	43.884	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.760%
35) Dibromofluoromethane	7.914	113	152657	48.319	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.640%
50) Toluene-d8	10.338	98	639065	53.154	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.300%
62) 4-Bromofluorobenzene	12.626	95	246936	59.252	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.500%

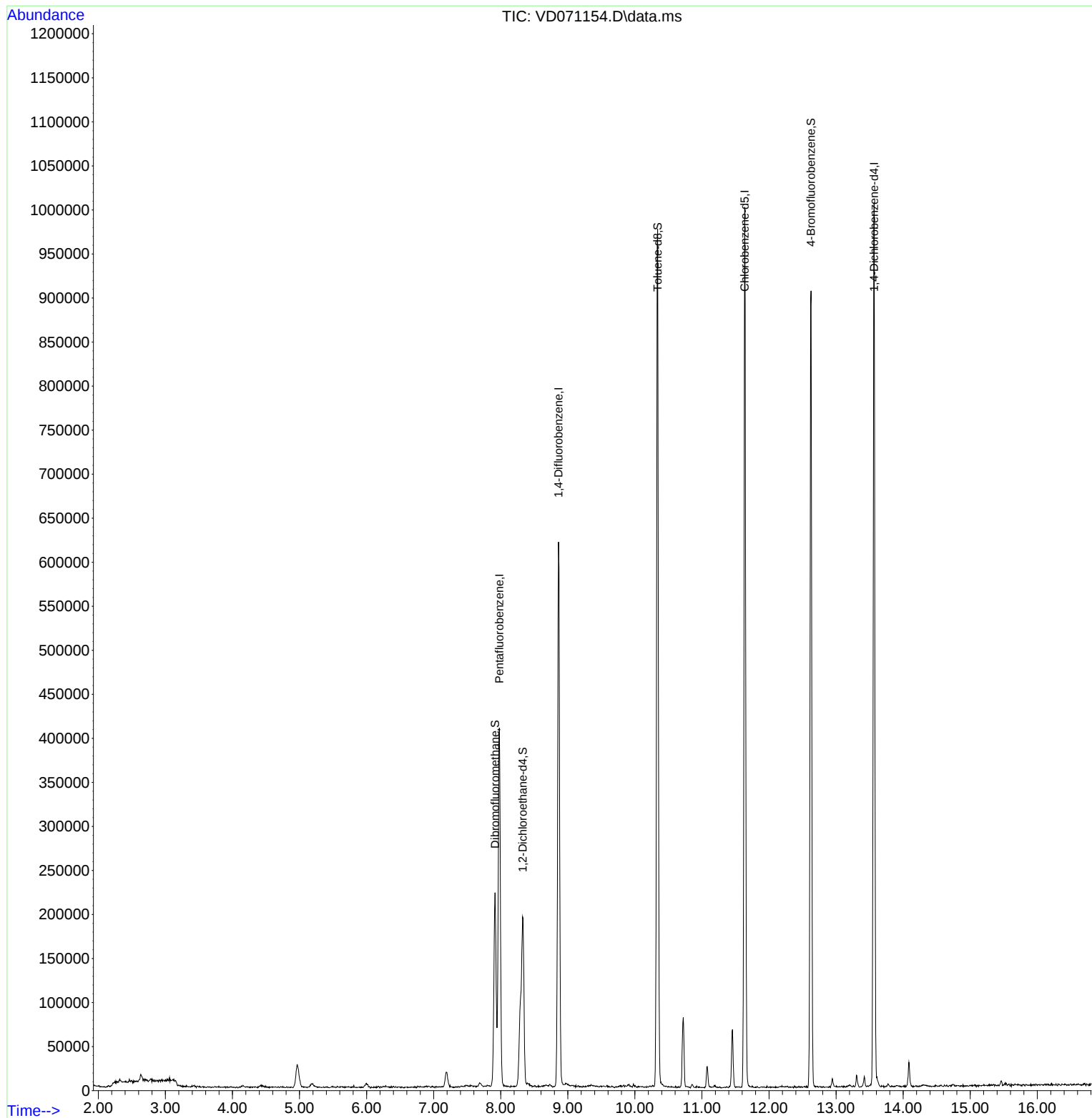
Target Compounds	Qvalue

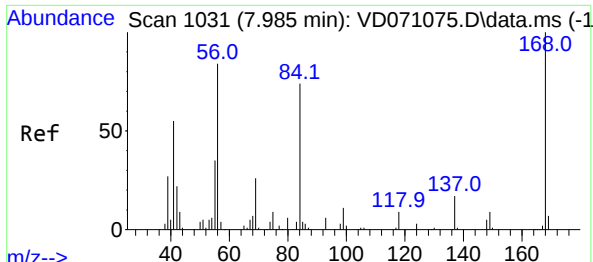
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071154.D

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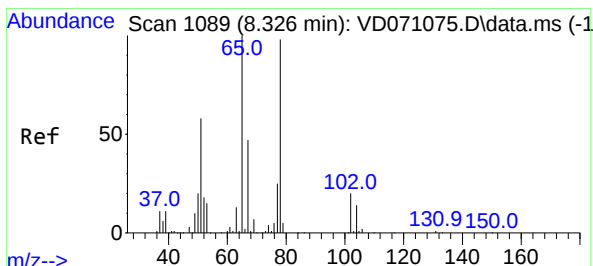
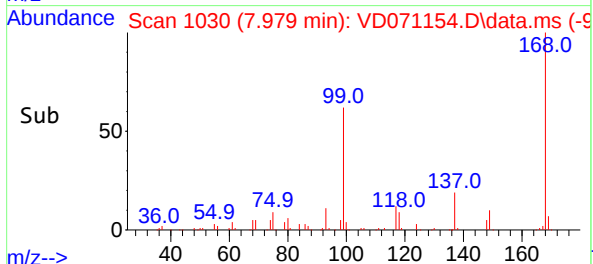
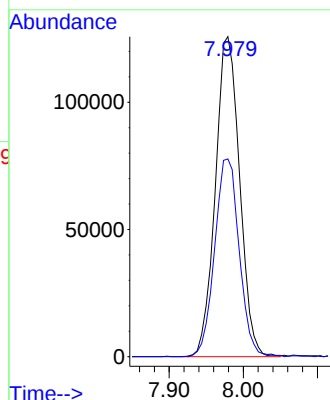
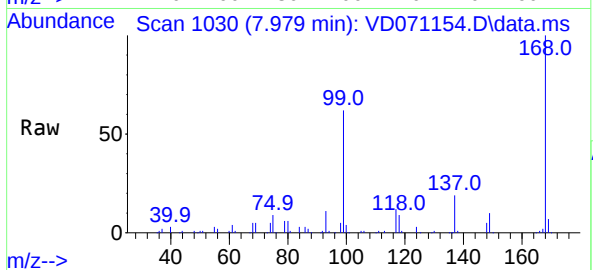
PH1-BOT-11

Tgt Ion:168 Resp: 286280

Ion Ratio Lower Upper

168 100

99 61.8 46.6 69.8



1,2-Dichloroethane-d4

Concen: 43.884 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071154.D

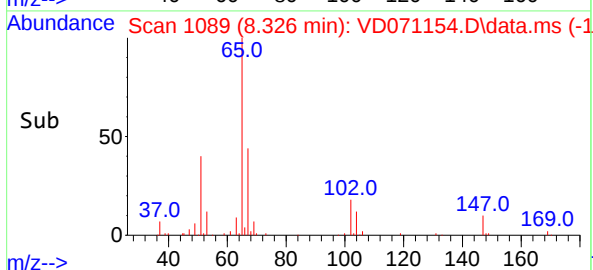
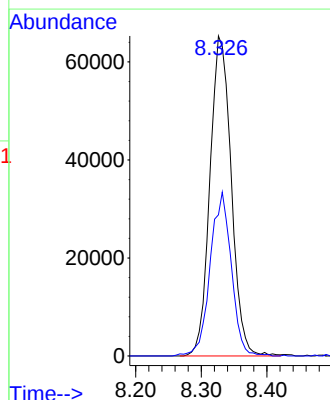
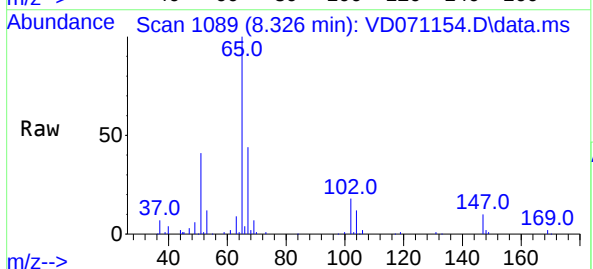
Acq: 04 Dec 2021 20:08

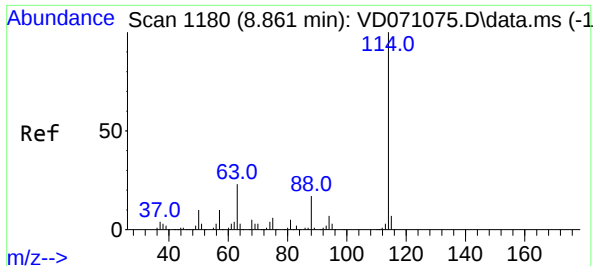
Tgt Ion: 65 Resp: 147412

Ion Ratio Lower Upper

65 100

67 50.7 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: VD071154.D

Acq: 04 Dec 2021 20:08

Instrument :

MSVOA_D

ClientSampleId :

PH1-BOT-11

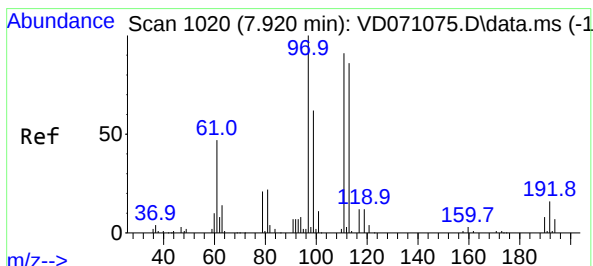
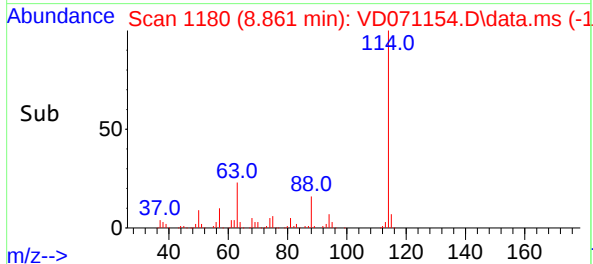
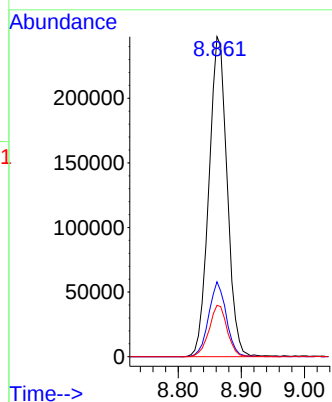
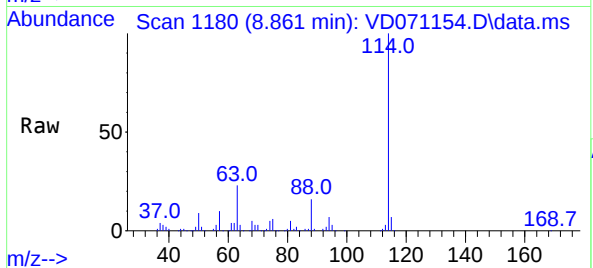
Tgt Ion:114 Resp: 496136

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.319 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071154.D

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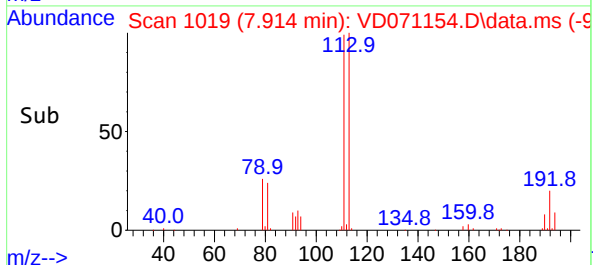
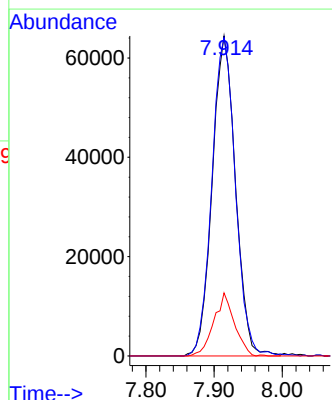
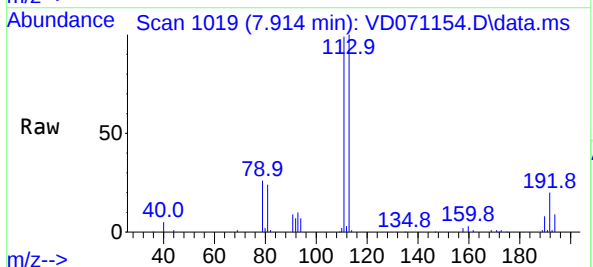
Tgt Ion:113 Resp: 152657

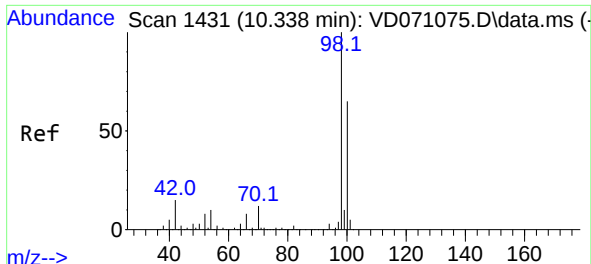
Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

192 17.4 15.2 22.8

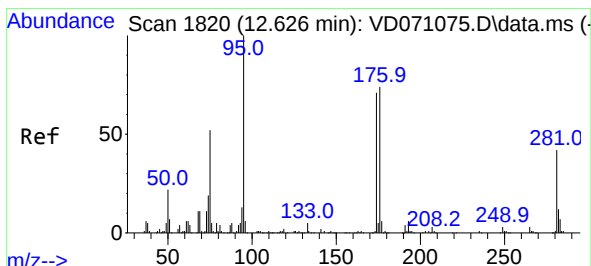
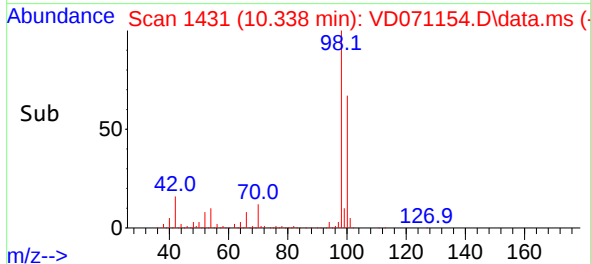
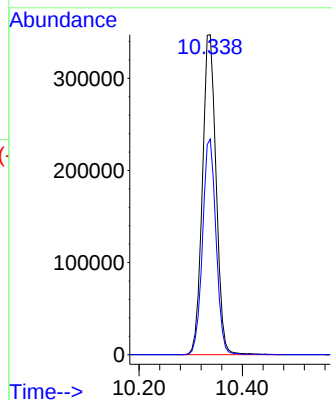
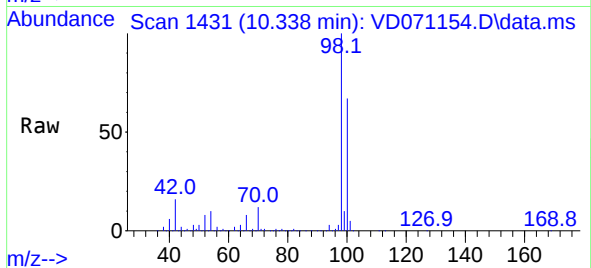




#50
Toluene-d8
Concen: 53.154 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

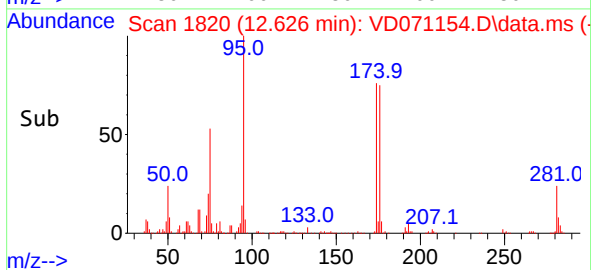
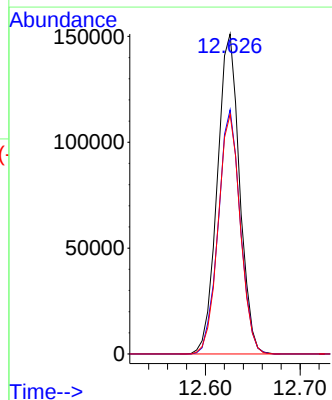
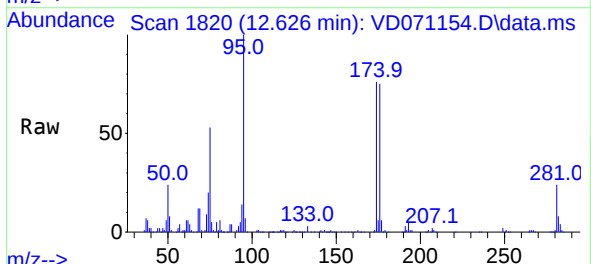
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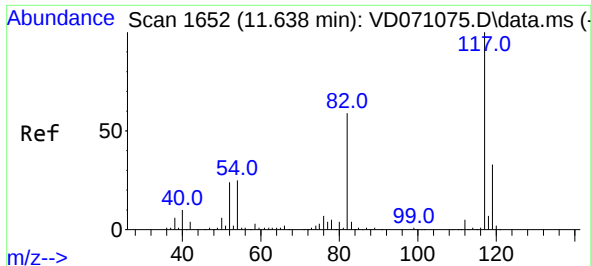
Tgt Ion: 98 Resp: 639065
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 59.252 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

Tgt Ion: 95 Resp: 246936
Ion Ratio Lower Upper
95 100
174 75.3 0.0 159.4
176 74.2 0.0 154.0

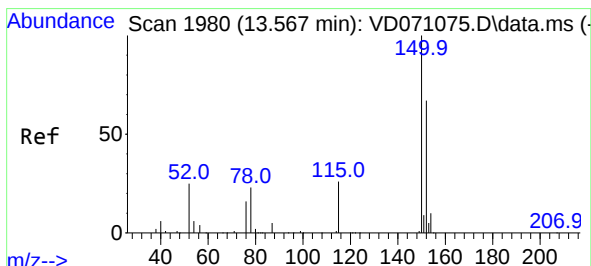
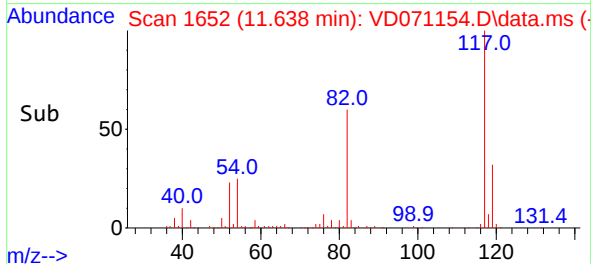
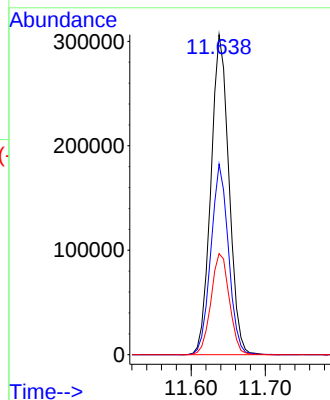
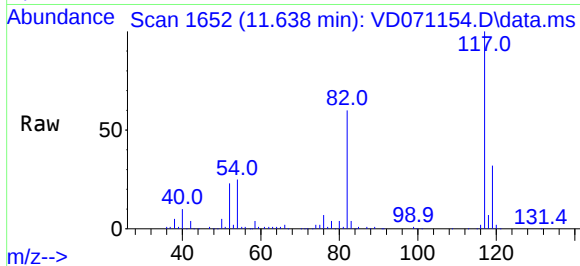




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-11

Tgt Ion:117	Resp: 518111
Ion Ratio	Lower Upper
117 100	
82 59.5	44.7 67.1
119 31.6	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: VD071154.D
Acq: 04 Dec 2021 20:08

Tgt Ion:152	Resp: 247969
Ion Ratio	Lower Upper
152 100	
115 60.4	29.8 89.3
150 156.2	0.0 349.2

