

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071252.D
 Acq On : 10 Dec 2021 15:27
 Operator : VA/SY
 Sample : M4973-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-120821

Quant Time: Dec 11 04:39:57 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	26331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	45360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	53831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	28871	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	23379	75.67	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	151.34%
35) Dibromofluoromethane	7.909	113	15657	54.21	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.42%
50) Toluene-d8	10.332	98	58556	53.27	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.54%
62) 4-Bromofluorobenzene	12.626	95	26188	68.73	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	137.46%

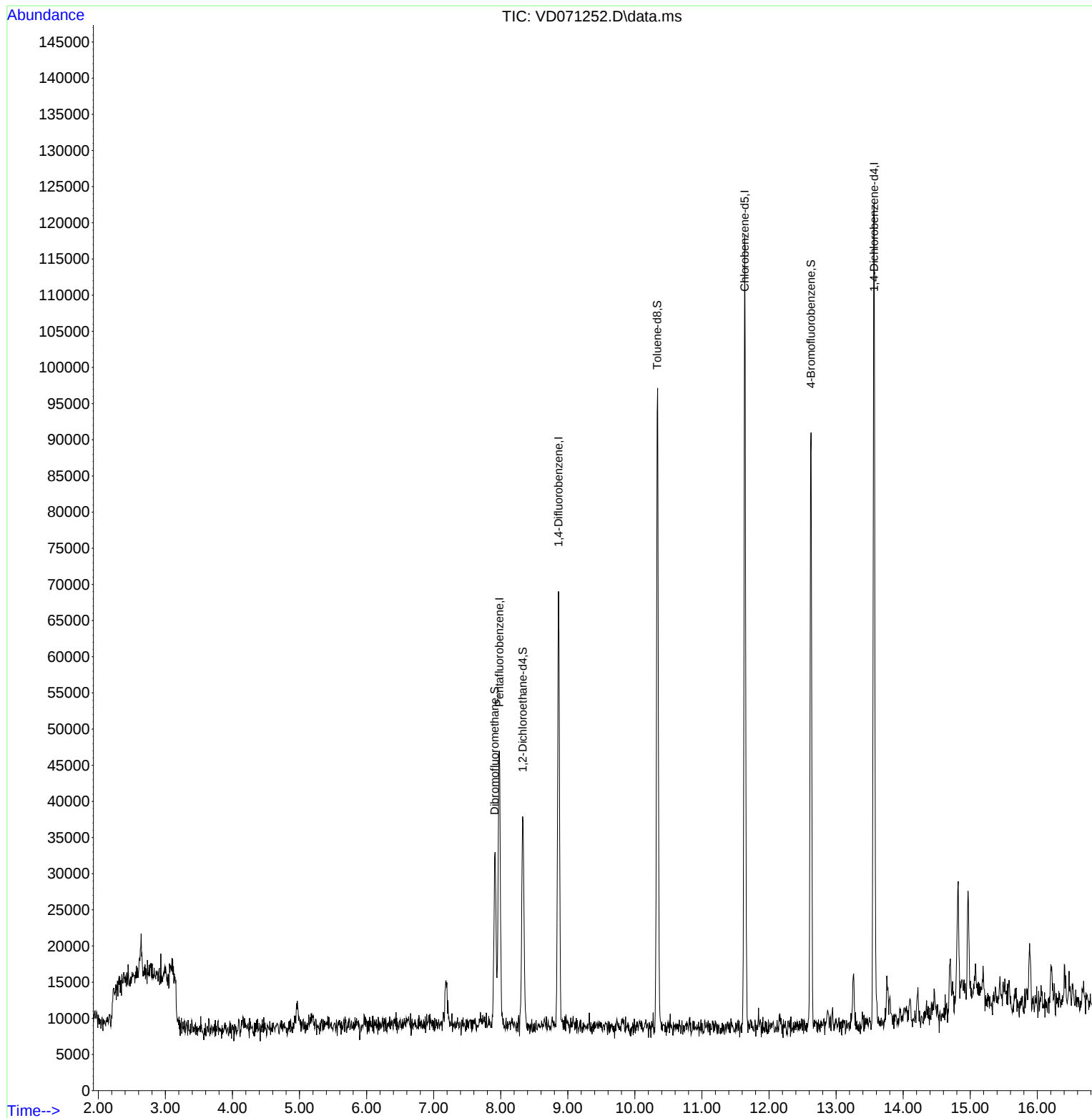
Target Compounds	Qvalue

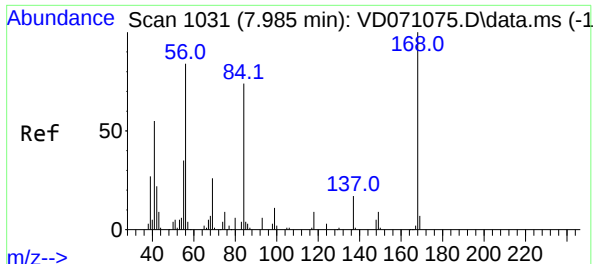
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD071252.D

Acq: 10 Dec 2021 15:27

Instrument :

MSVOA_D

ClientSampleId :

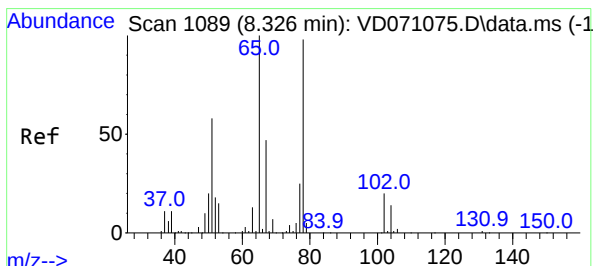
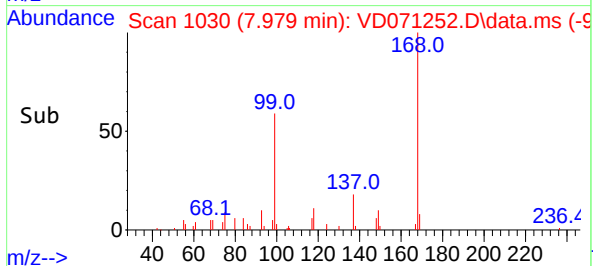
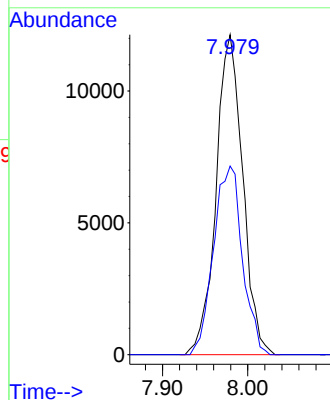
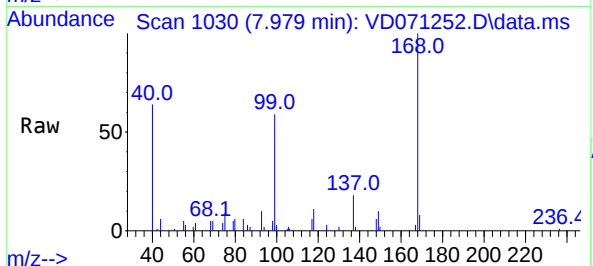
HD-02-120821

Tgt Ion:168 Resp: 26331

Ion Ratio Lower Upper

168 100

99 59.0 46.6 69.8



1,2-Dichloroethane-d4

Concen: 75.67 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071252.D

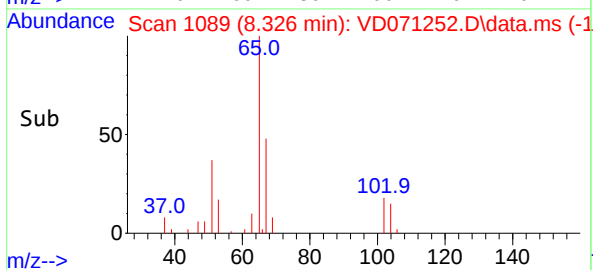
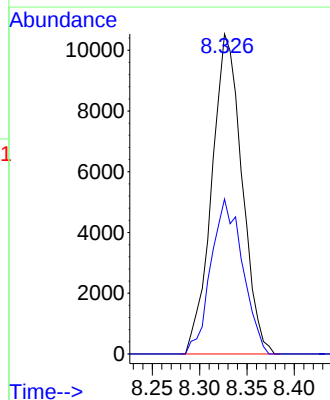
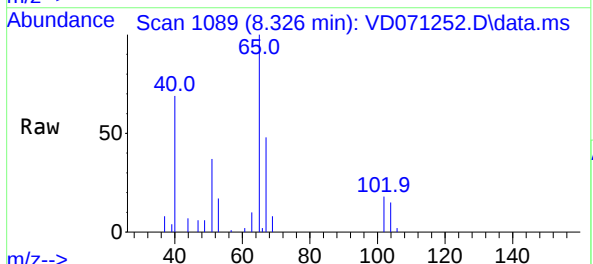
Acq: 10 Dec 2021 15:27

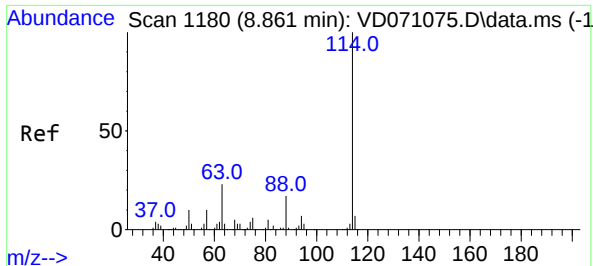
Tgt Ion: 65 Resp: 23379

Ion Ratio Lower Upper

65 100

67 50.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071252.D

Acq: 10 Dec 2021 15:27

Instrument :

MSVOA_D

ClientSampleId :

HD-02-120821

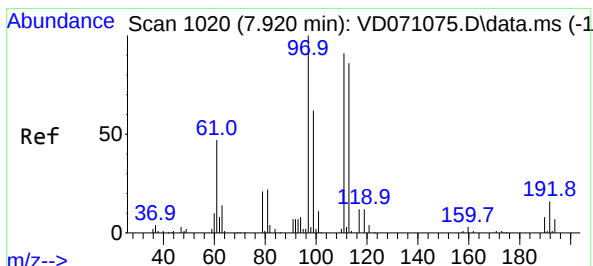
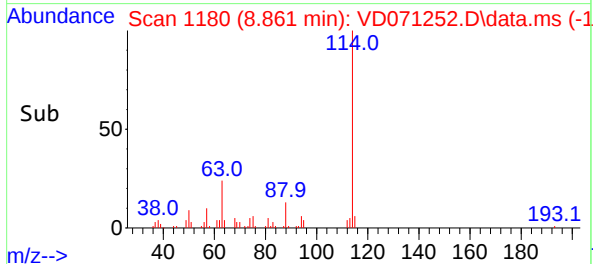
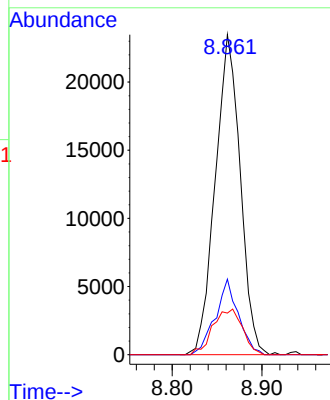
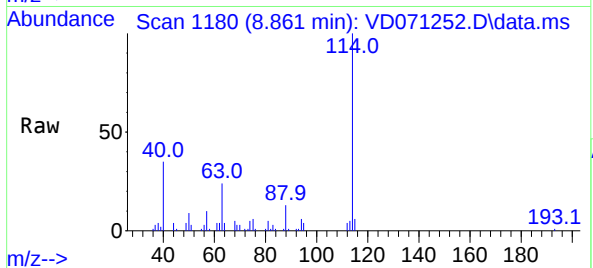
Tgt Ion:114 Resp: 45360

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 13.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 54.21 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071252.D

Acq: 10 Dec 2021 15:27

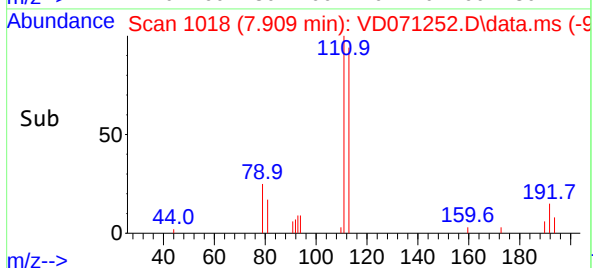
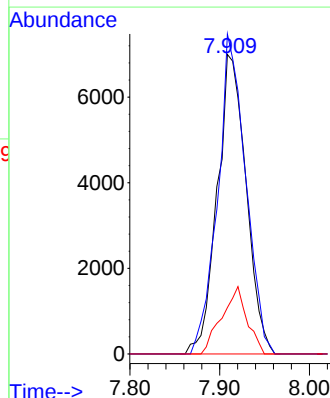
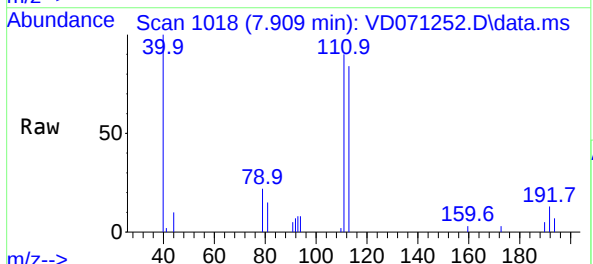
Tgt Ion:113 Resp: 15657

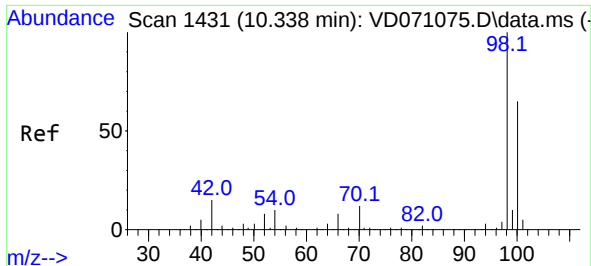
Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 19.6 15.2 22.8

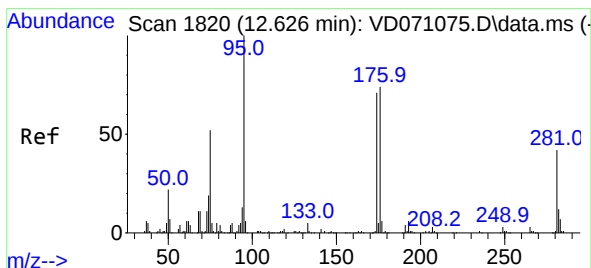
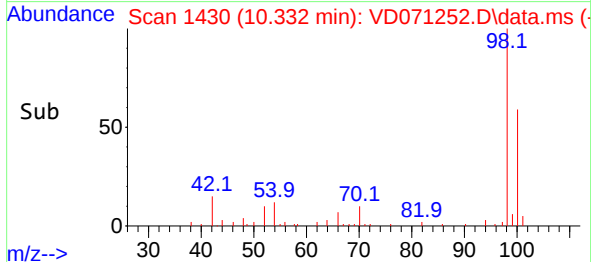
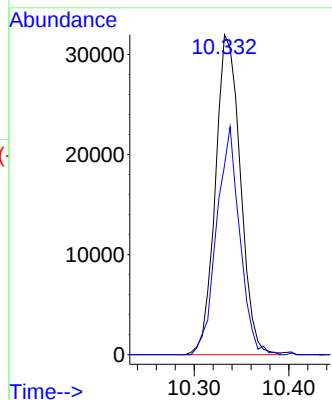
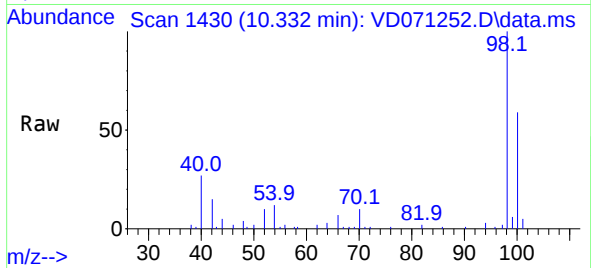




#50
Toluene-d8
Concen: 53.27 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

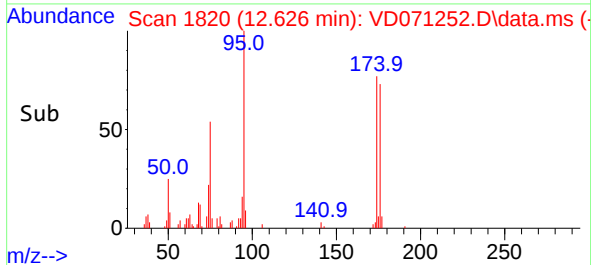
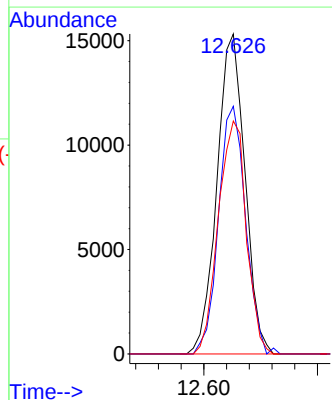
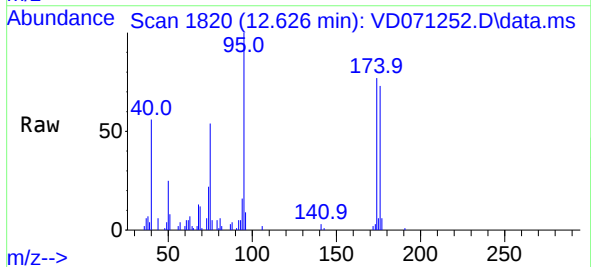
Instrument :
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HD-02-120821

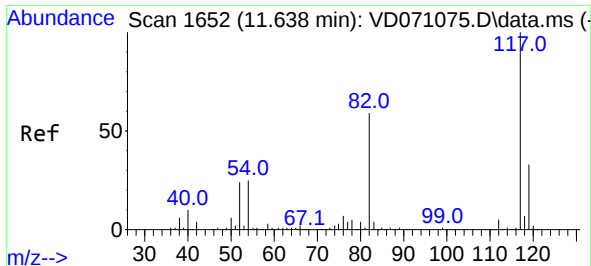
Tgt Ion: 98 Resp: 58556
Ion Ratio Lower Upper
98 100
100 66.1 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 68.73 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Tgt Ion: 95 Resp: 26188
Ion Ratio Lower Upper
95 100
174 74.8 0.0 159.4
176 72.8 0.0 154.0

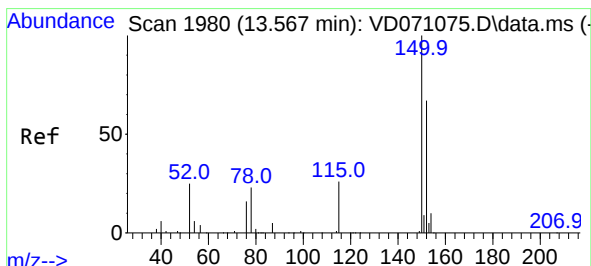
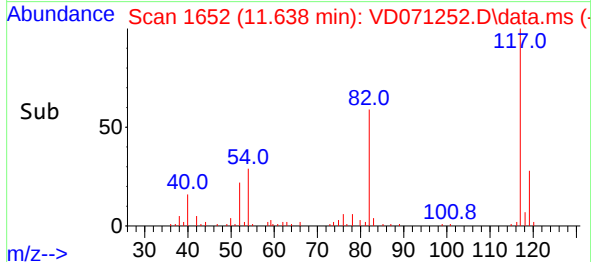
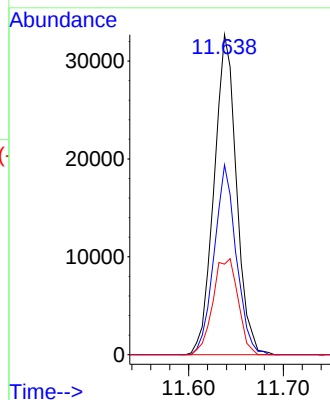
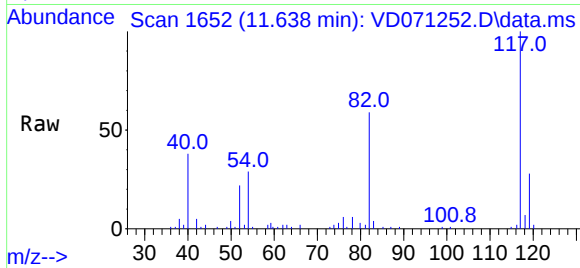




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Instrument :
MSVOA_D
ClientSampleId :
HD-02-120821

Tgt Ion:117 Resp: 53831
Ion Ratio Lower Upper
117 100
82 59.3 44.7 67.1
119 28.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Tgt Ion:152 Resp: 28871
Ion Ratio Lower Upper
152 100
115 58.8 29.8 89.3
150 143.7 0.0 349.2

