

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071030.D
 Acq On : 15 Nov 2021 16:12
 Operator : VA/SY
 Sample : M4651-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-111121

Quant Time: Nov 16 03:21:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	19313	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	36051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	38340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	18900	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	15787	76.775	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.560%
35) Dibromofluoromethane	7.908	113	10604	52.126	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.260%
50) Toluene-d8	10.337	98	45267	56.820	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.640%
62) 4-Bromofluorobenzene	12.625	95	18432	64.256	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.520%

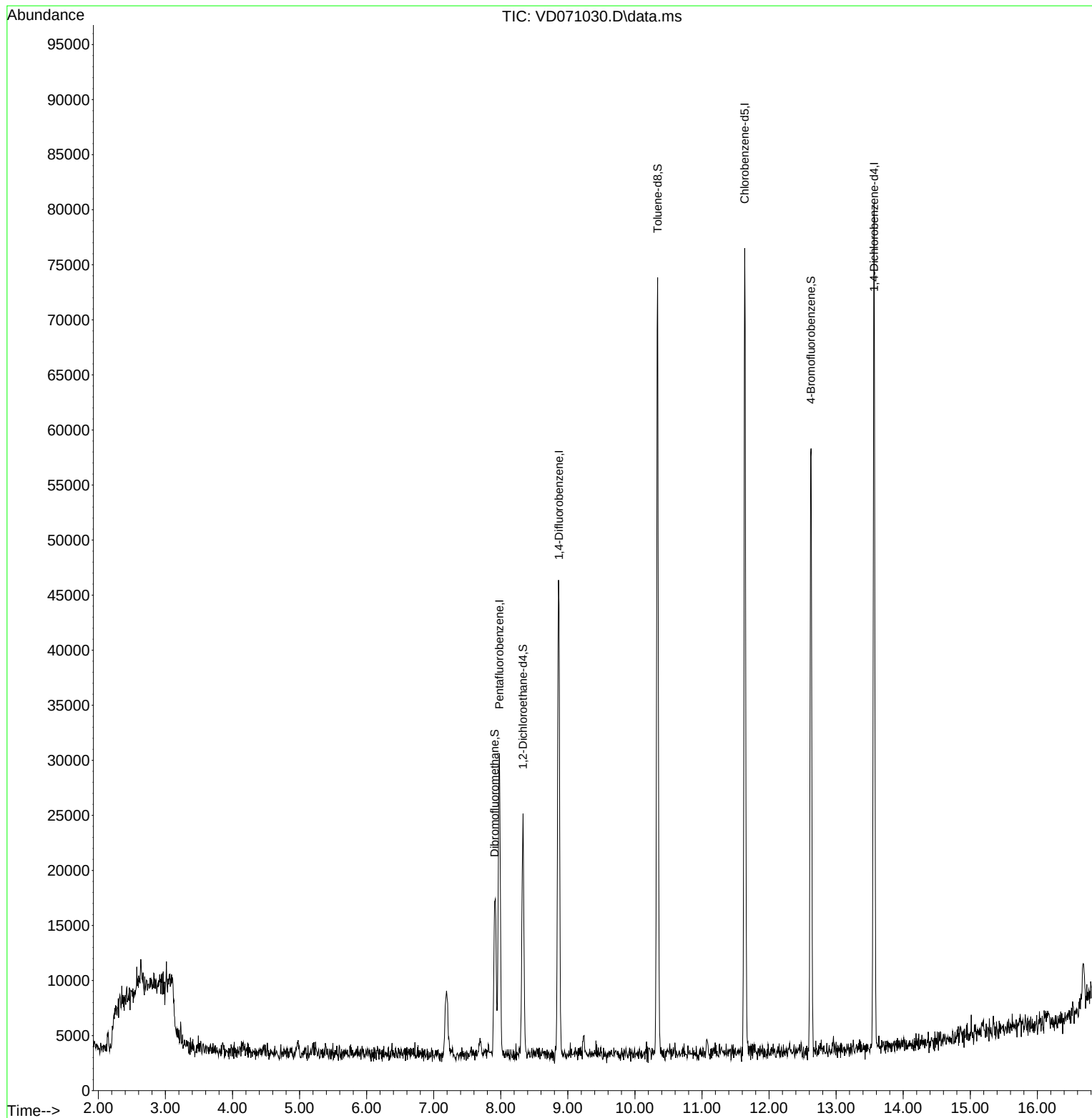
Target Compounds	Qvalue

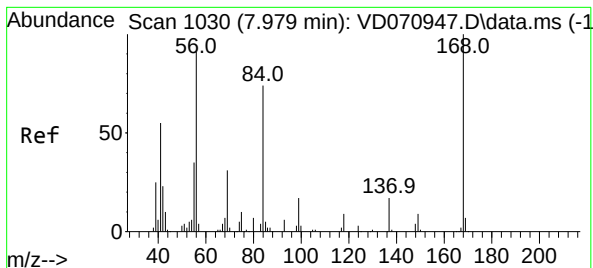
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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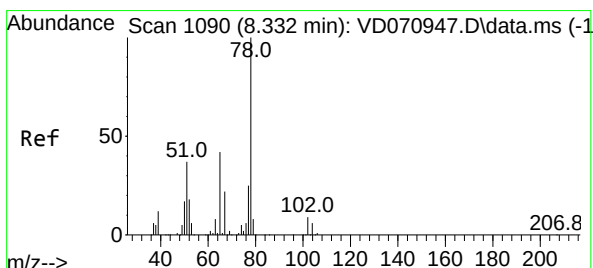
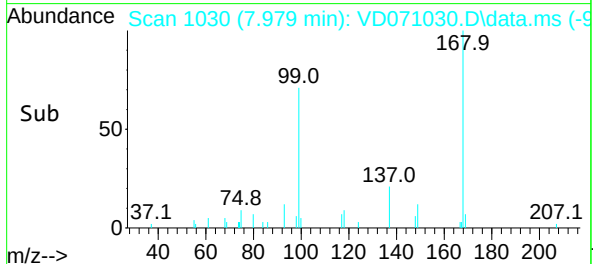
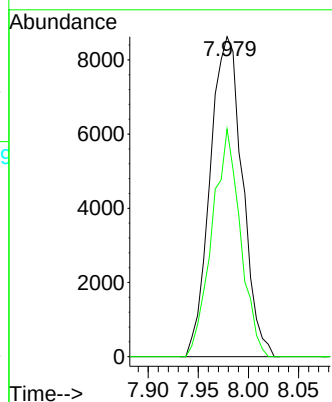
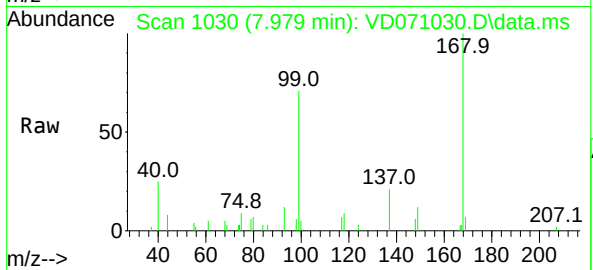




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

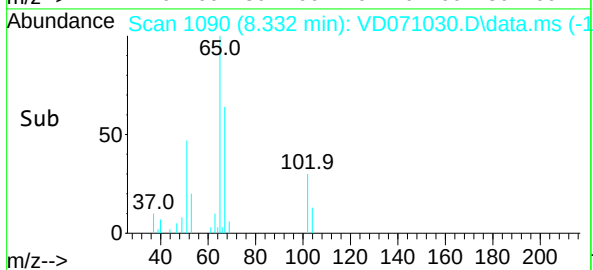
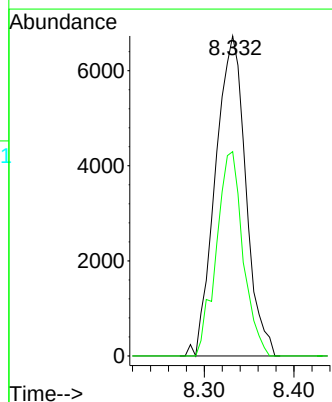
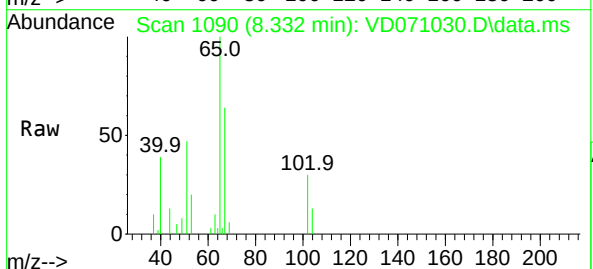
Instrument :
MSVOA_D
ClientSampleId :
HD-02-111121

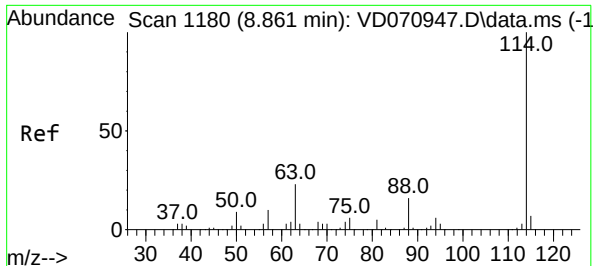
Tgt Ion:168 Resp: 19313
Ion Ratio Lower Upper
168 100
99 71.1 46.6 69.8#



#33
1,2-Dichloroethane-d4
Concen: 76.775 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Tgt Ion: 65 Resp: 15787
Ion Ratio Lower Upper
65 100
67 56.1 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071030.D

Acq: 15 Nov 2021 16:12

Instrument :

MSVOA_D

ClientSampleId :

HD-02-111121

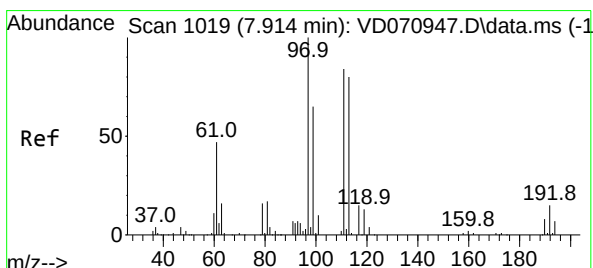
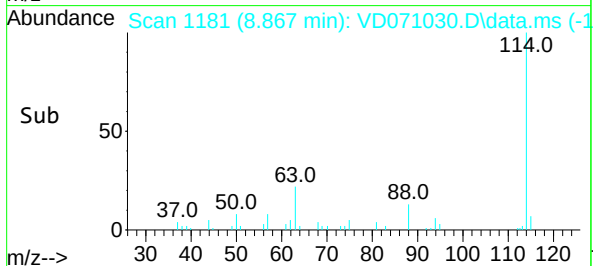
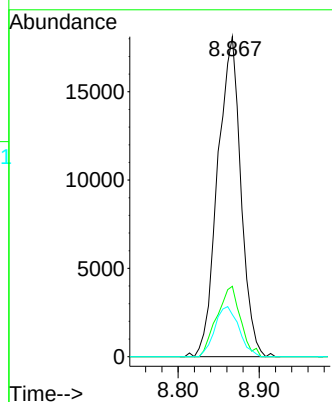
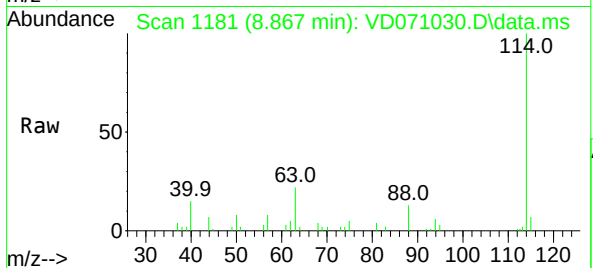
Tgt Ion:114 Resp: 36051

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 13.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.126 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071030.D

Acq: 15 Nov 2021 16:12

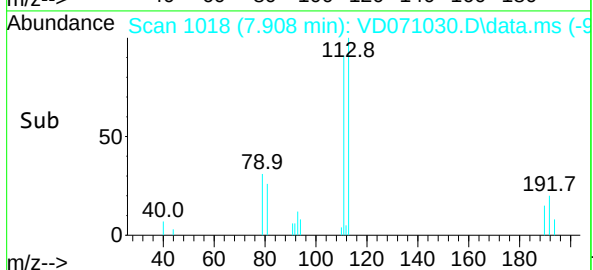
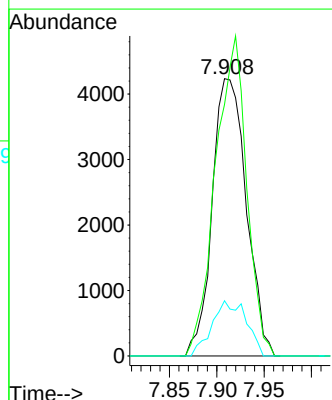
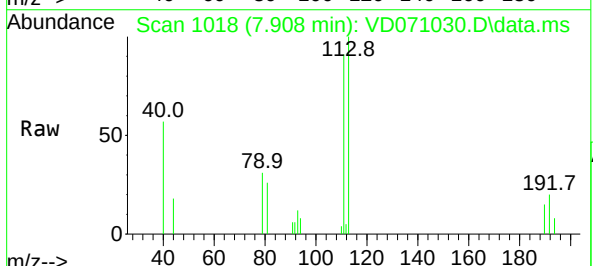
Tgt Ion:113 Resp: 10604

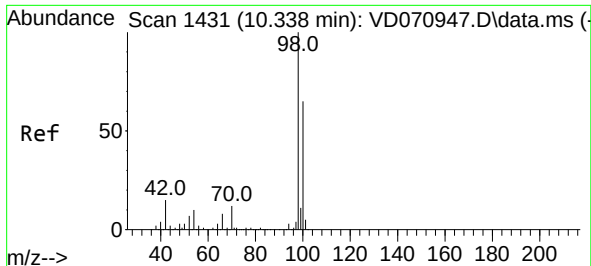
Ion Ratio Lower Upper

113 100

111 105.6 82.0 123.0

192 20.0 15.2 22.8

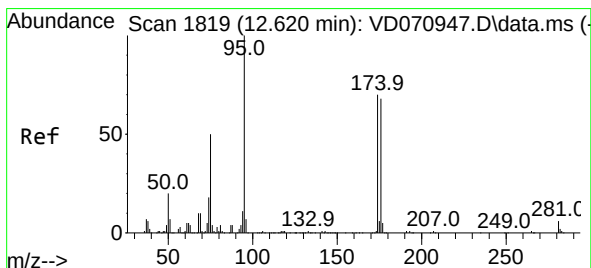
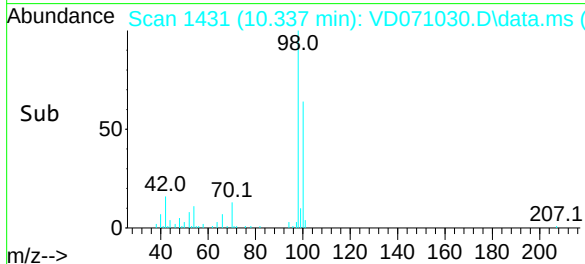
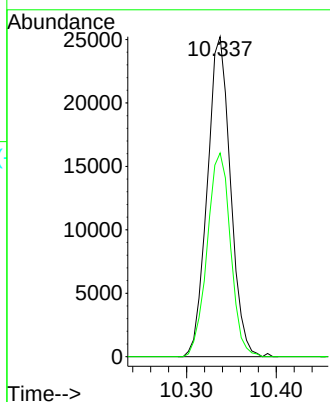
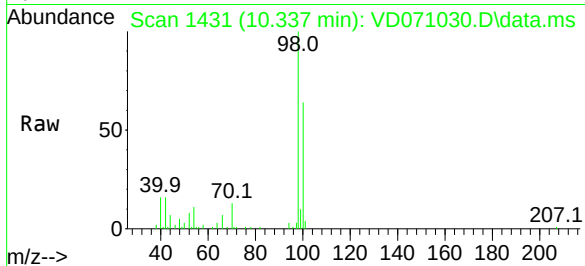




#50
Toluene-d8
Concen: 56.820 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

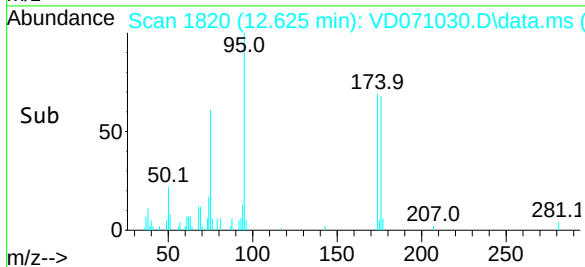
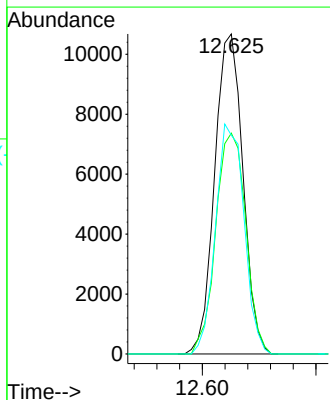
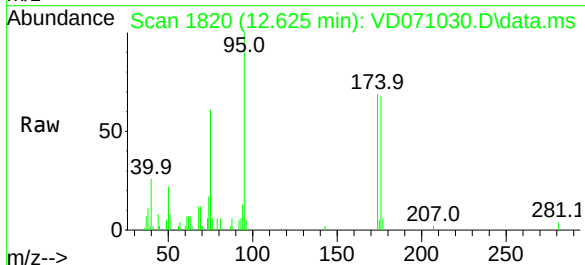
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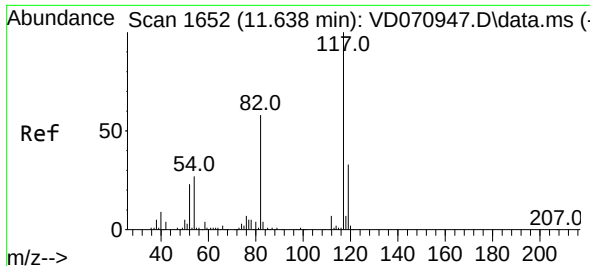
Tgt Ion: 98 Resp: 45267
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 64.256 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.005 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Tgt Ion: 95 Resp: 18432
Ion Ratio Lower Upper
95 100
174 73.5 0.0 159.4
176 72.3 0.0 154.0

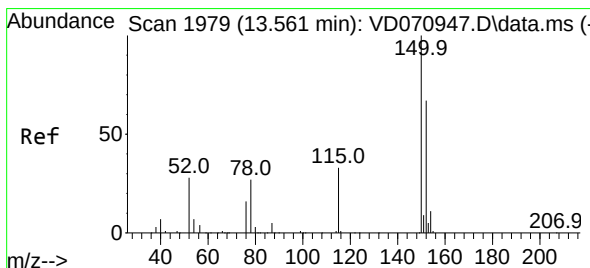
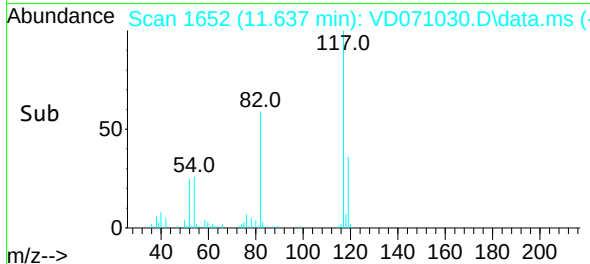
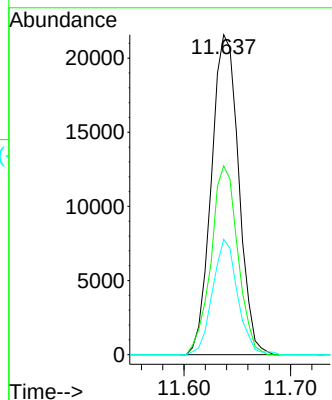
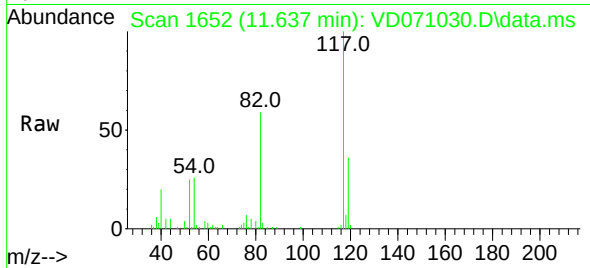




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :
HD-02-111121

Tgt Ion:117 Resp: 38340
Ion Ratio Lower Upper
117 100
82 59.0 44.7 67.1
119 36.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071030.D
Acq: 15 Nov 2021 16:12

Tgt Ion:152 Resp: 18900
Ion Ratio Lower Upper
152 100
115 59.4 29.8 89.3
150 153.4 0.0 349.2

