

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067678.D
 Acq On : 18 Nov 2020 11:47
 Operator : VA/SY
 Sample : L4780-01
 Misc : 5.64G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-111720

Quant Time: Nov 19 00:42:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	261199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	397532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	332388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	84544	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	130819	57.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.56%	
35) Dibromofluoromethane	7.92	113	131649	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
50) Toluene-d8	10.34	98	449666	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.64	95	106189	36.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.08%	

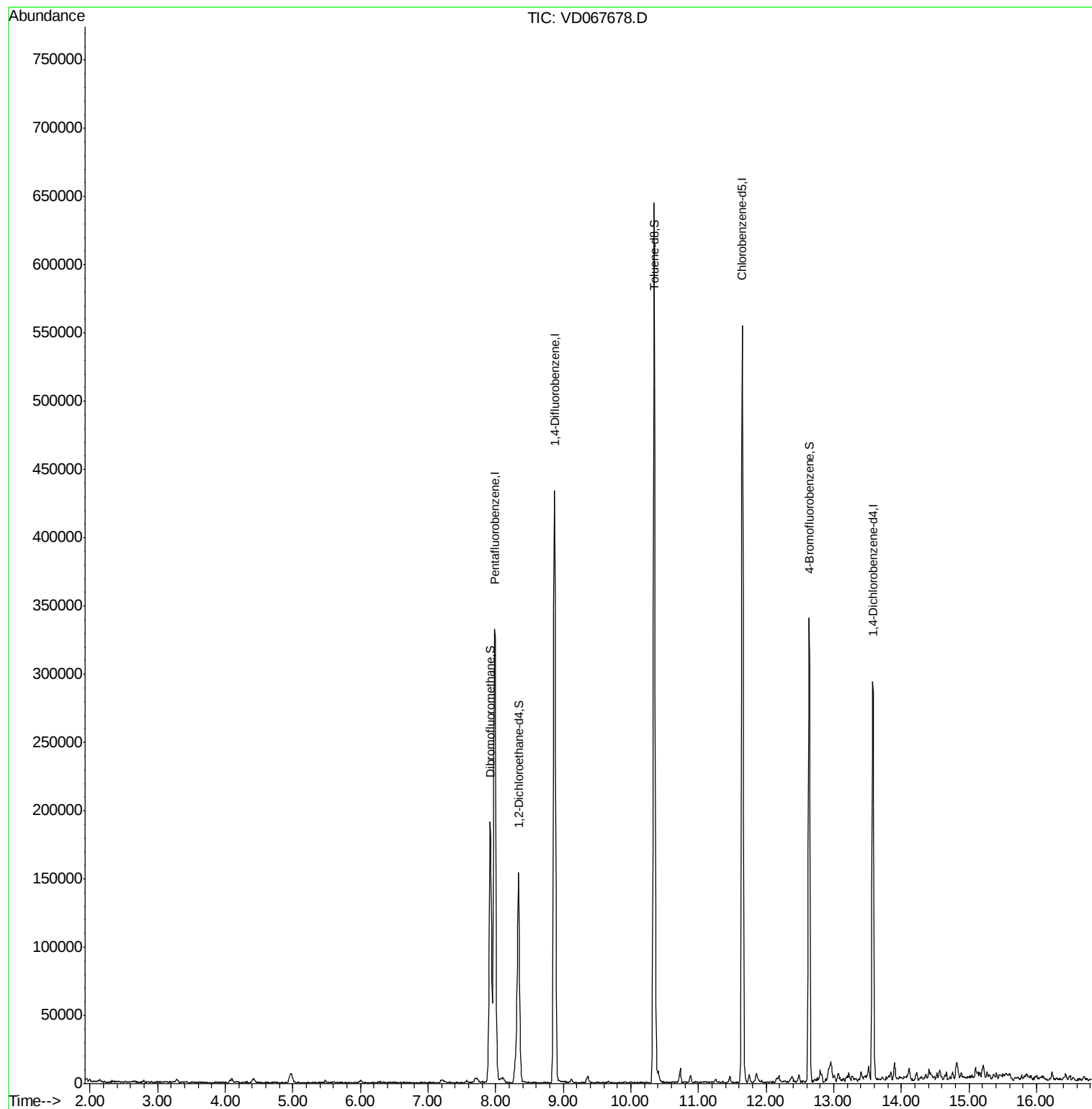
Target Compounds	Qvalue
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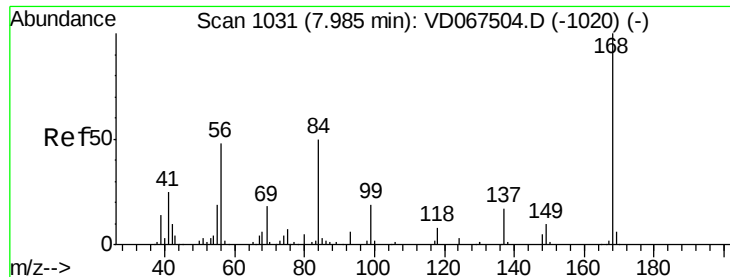
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067678.D

Acq: 18 Nov 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

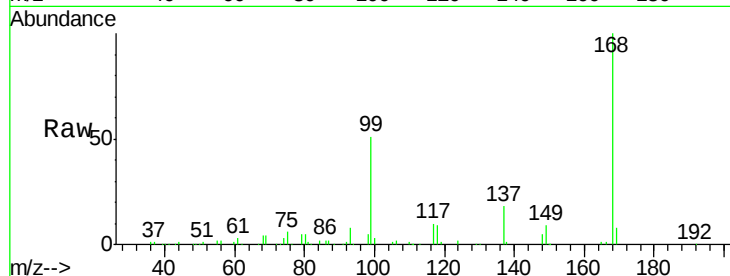
CL-01-111720

Tot Ion:168 Resp: 261199

Ion Ratio Lower Upper

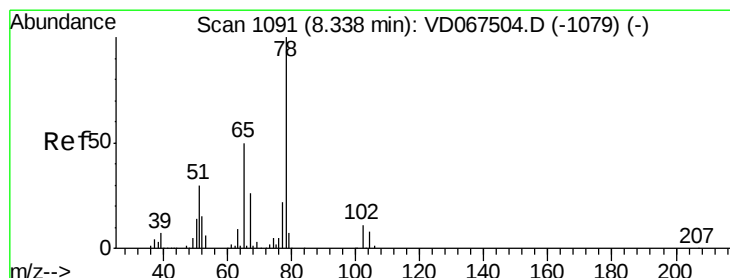
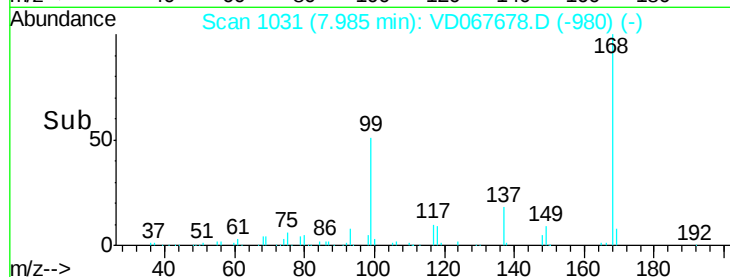
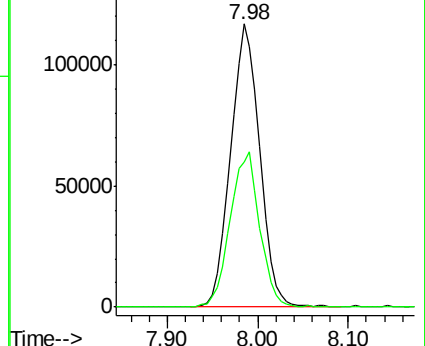
168 100

99 50.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 57.279 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067678.D

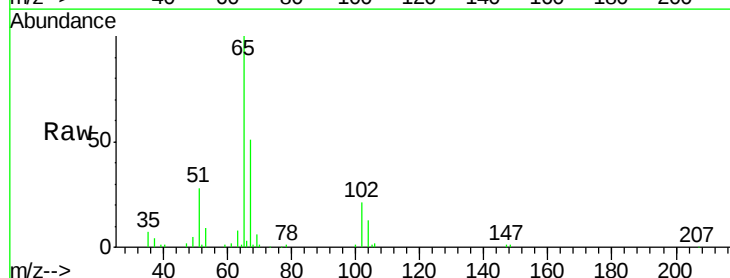
Acq: 18 Nov 2020 11:47

Tgt Ion: 65 Resp: 130819

Ion Ratio Lower Upper

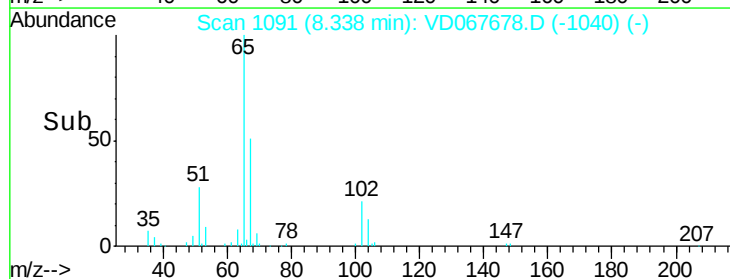
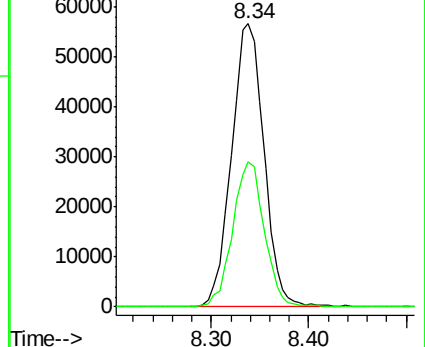
65 100

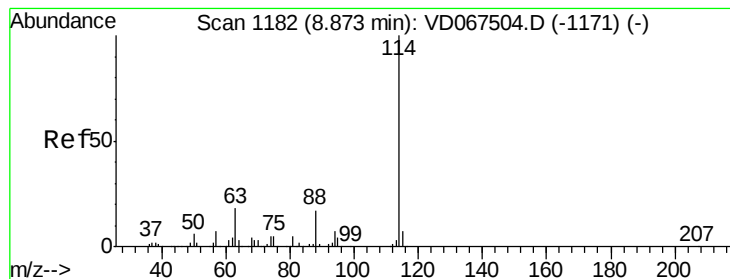
67 49.9 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VD067678.D

Acq: 18 Nov 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

CL-01-111720

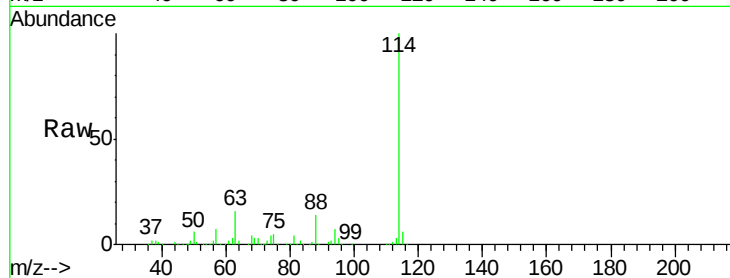
Tot Ion:114 Resp: 397532

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

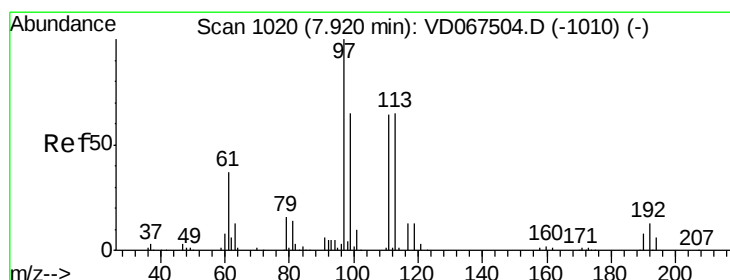
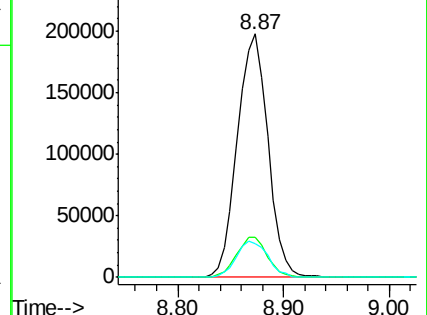
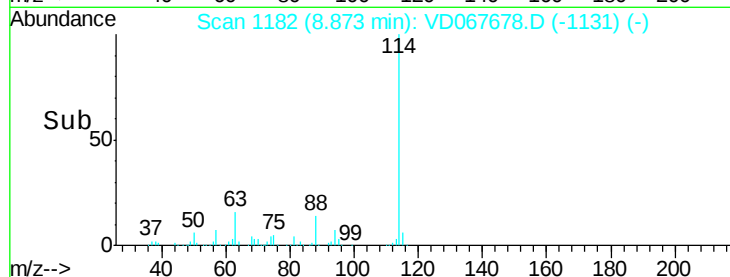
88 13.9 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 54.966 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067678.D

Acq: 18 Nov 2020 11:47

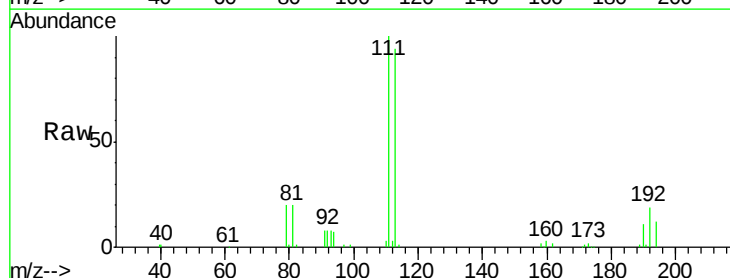
Tgt Ion:113 Resp: 131649

Ion Ratio Lower Upper

113 100

111 103.0 80.0 120.0

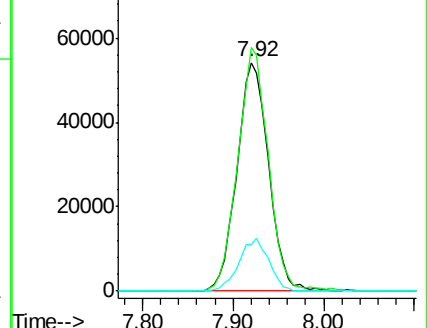
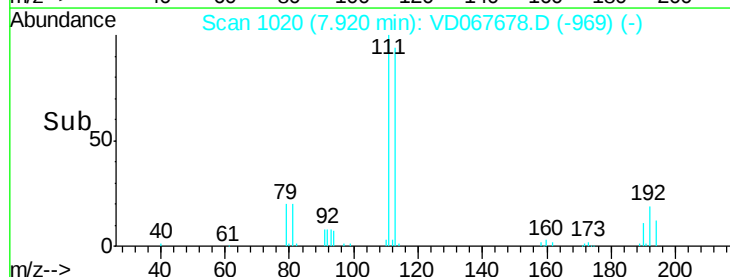
192 21.8 16.3 24.5

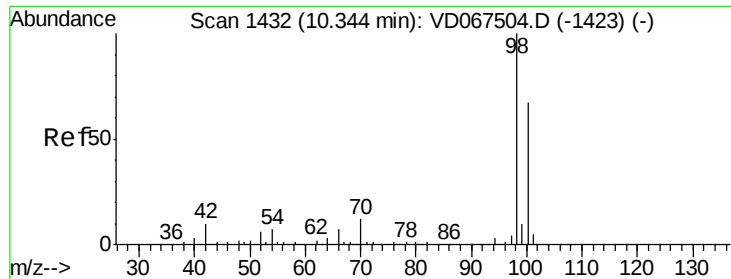


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.423 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067678.D

Acq: 18 Nov 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

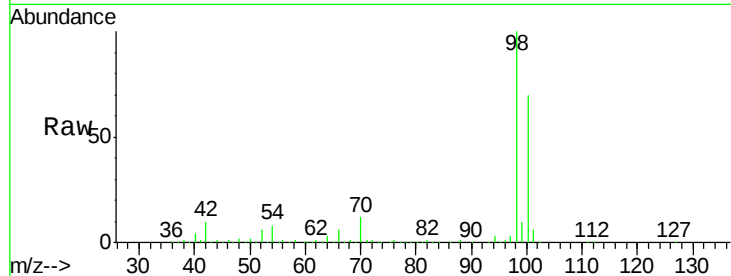
CL-01-111720

Tot Ion: 98 Resp: 449666

Ion Ratio Lower Upper

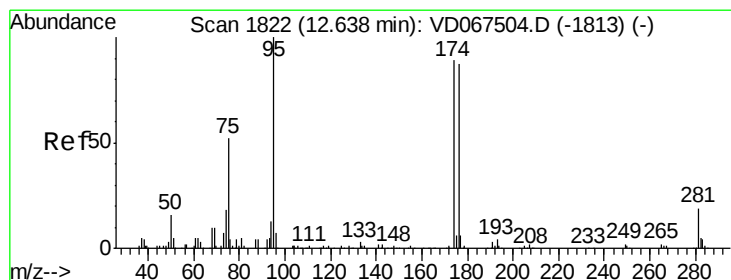
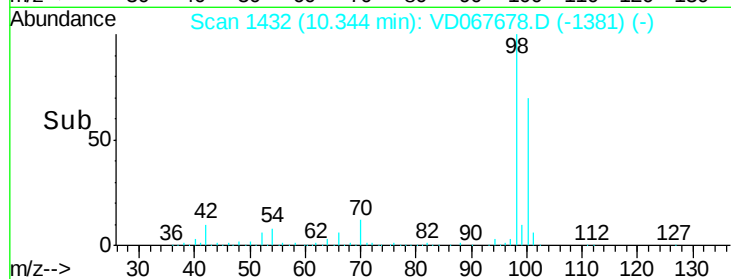
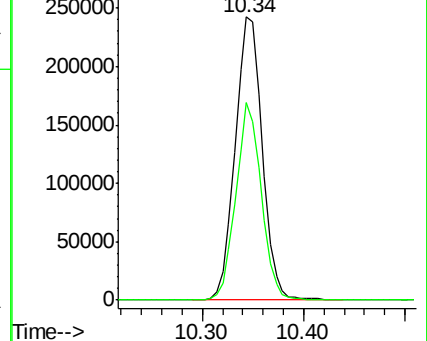
98 100

100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 36.542 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067678.D

Acq: 18 Nov 2020 11:47

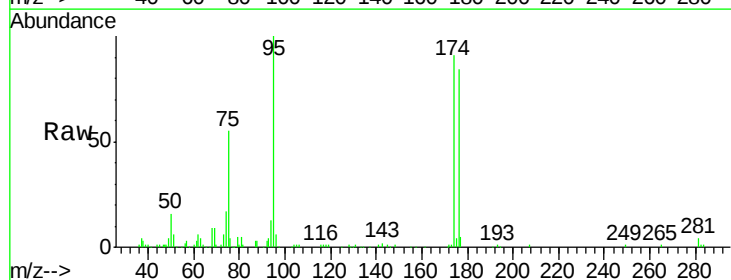
Tgt Ion: 95 Resp: 106189

Ion Ratio Lower Upper

95 100

174 91.5 0.0 177.8

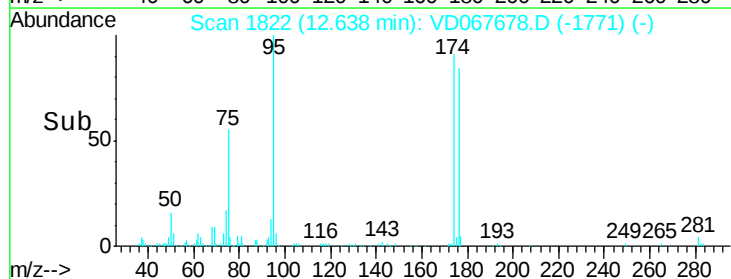
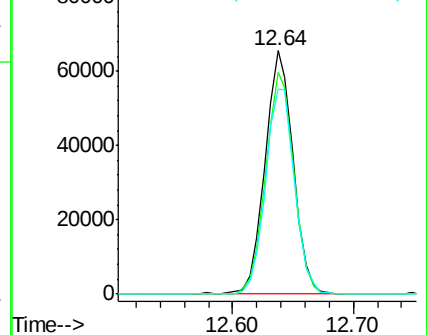
176 87.0 0.0 172.0

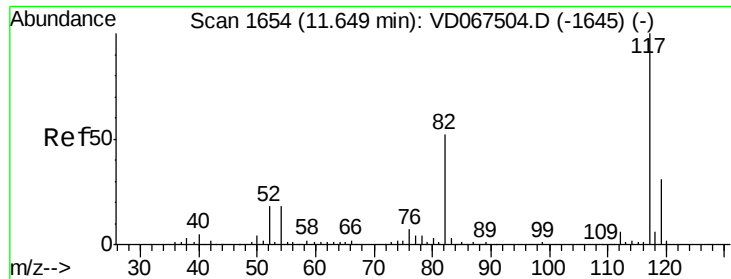


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

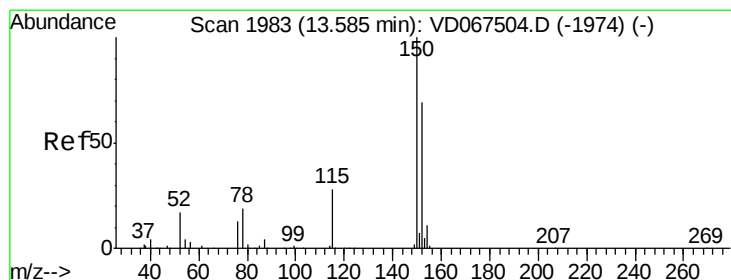
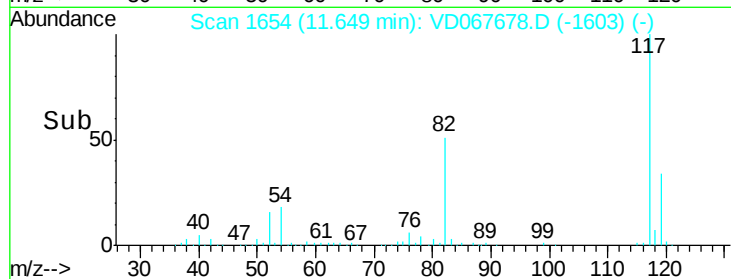
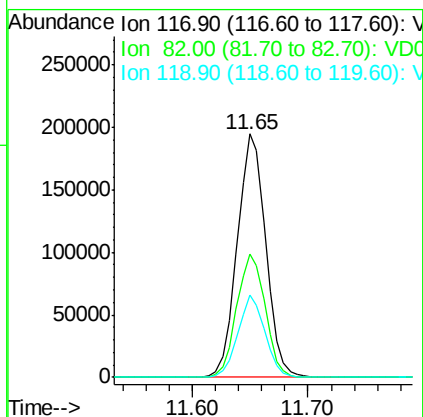
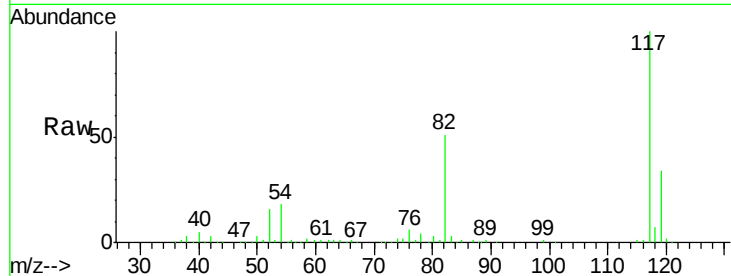




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067678.D
Acq: 18 Nov 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
CL-01-111720

Tot Ion:117 Resp: 332388
Ion Ratio Lower Upper
117 100
82 50.9 41.6 62.4
119 33.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067678.D
Acq: 18 Nov 2020 11:47

Tgt Ion:152 Resp: 84544
Ion Ratio Lower Upper
152 100
115 58.0 29.3 88.0
150 158.0 0.0 338.2

