

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063154.D
 Acq On : 19 Jul 2019 15:24
 Operator : VA/AP
 Sample : K3835-05
 Misc : 4.61g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(0-2)

Quant Time: Jul 20 05:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	928264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1238311	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	924765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	397360	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	425157	36.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.54%	
35) Dibromofluoromethane	6.92	113	470720	38.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.32%	
50) Toluene-d8	10.41	98	906646	34.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.44%	
62) 4-Bromofluorobenzene	13.56	95	351294	28.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.32%	

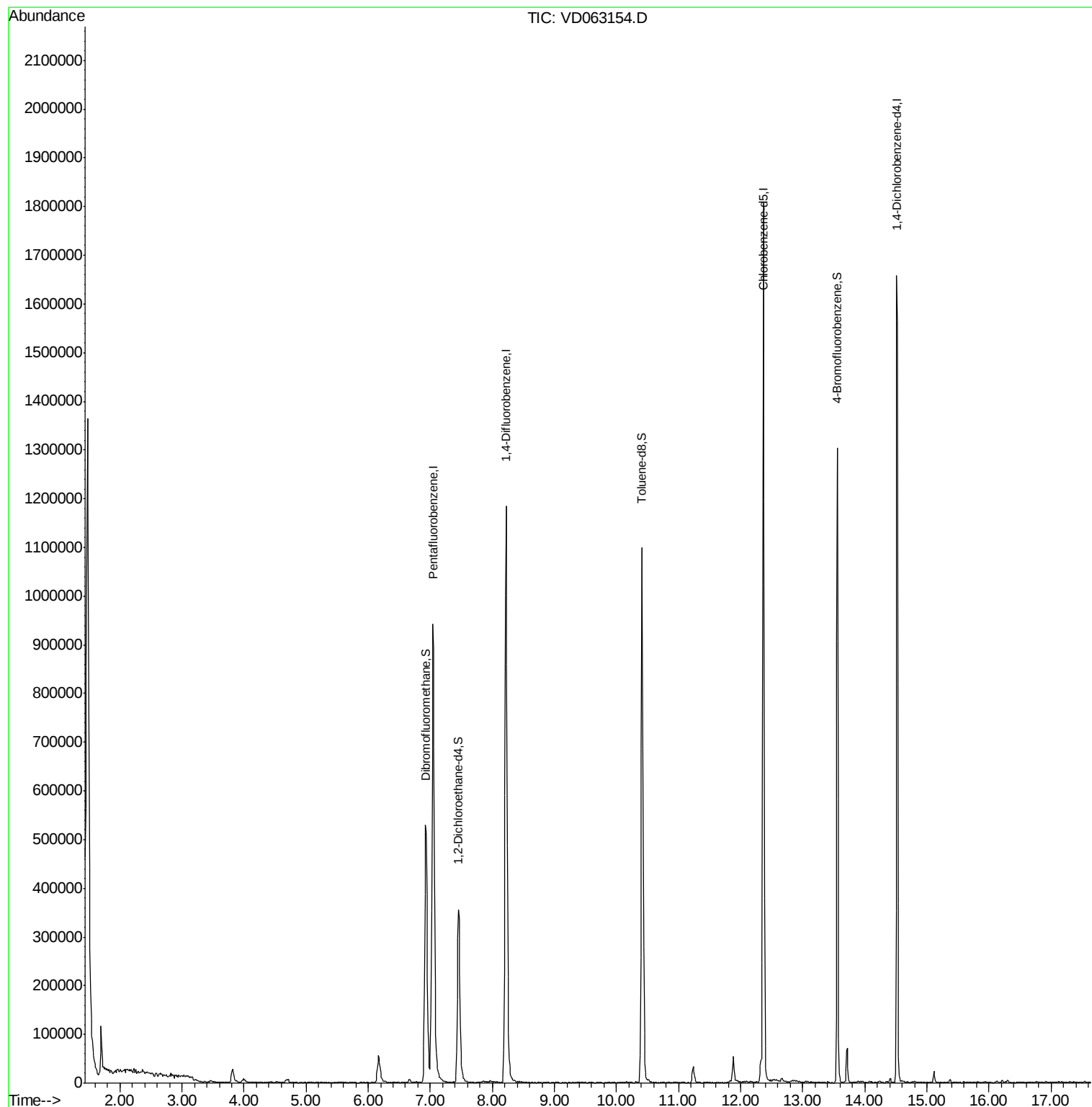
Target Compounds	Qvalue

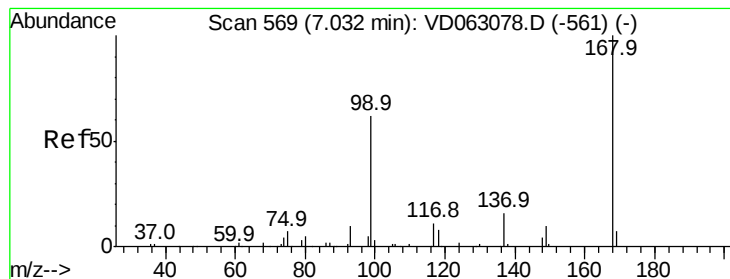
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

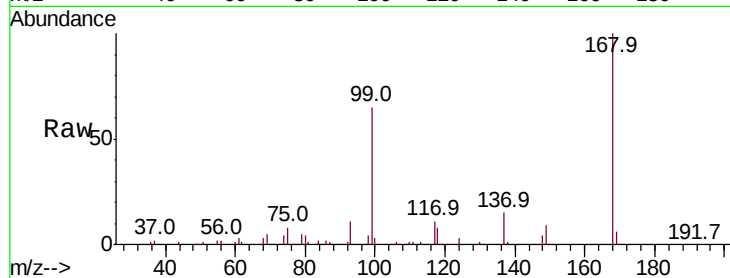
SB-3(0-2)

Tot Ion:168 Resp: 928264

Ion Ratio Lower Upper

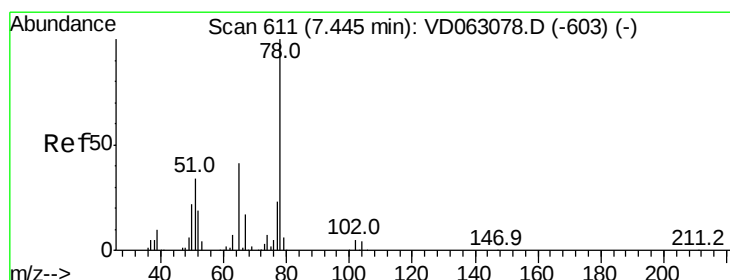
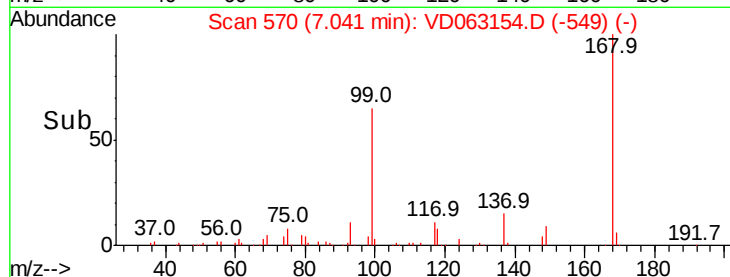
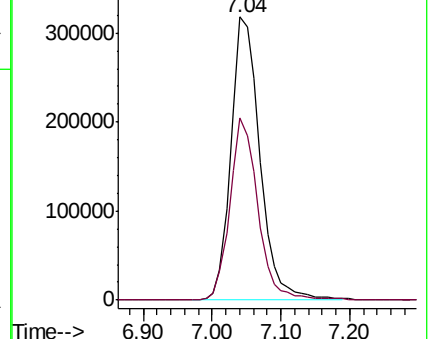
168 100

99 64.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 36.768 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063154.D

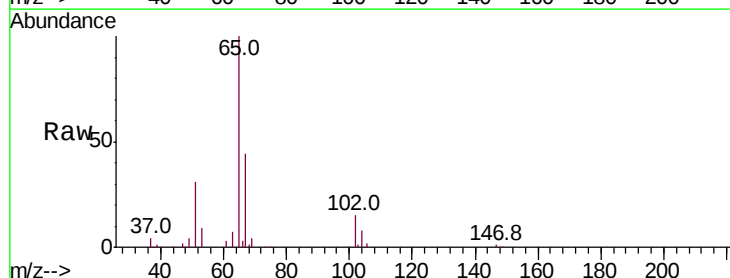
Acq: 19 Jul 2019 15:24

Tgt Ion: 65 Resp: 425157

Ion Ratio Lower Upper

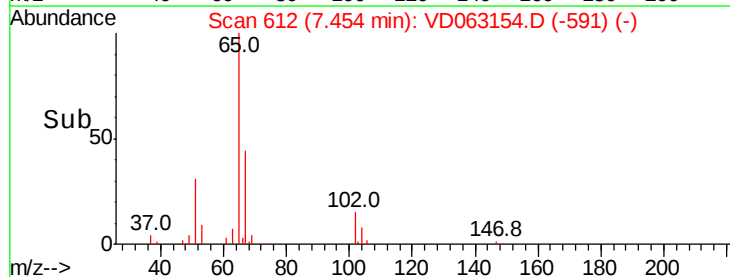
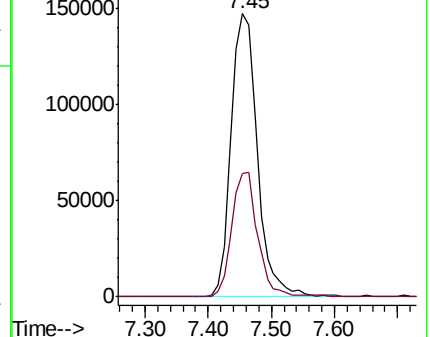
65 100

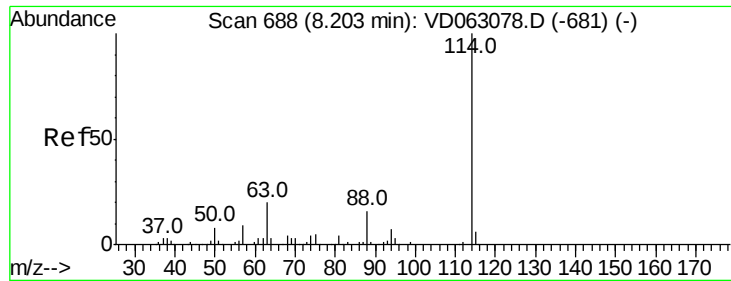
67 43.8 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

SB-3(0-2)

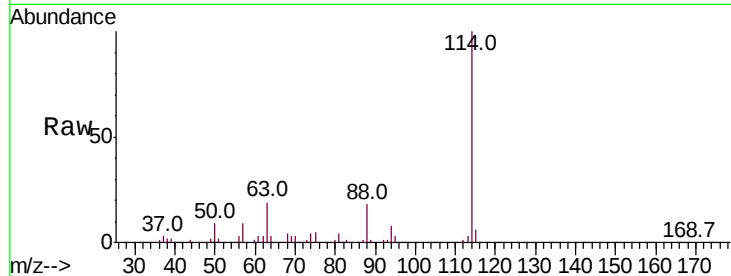
Tot Ion:114 Resp: 1238311

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

88 18.4 0.0 32.6

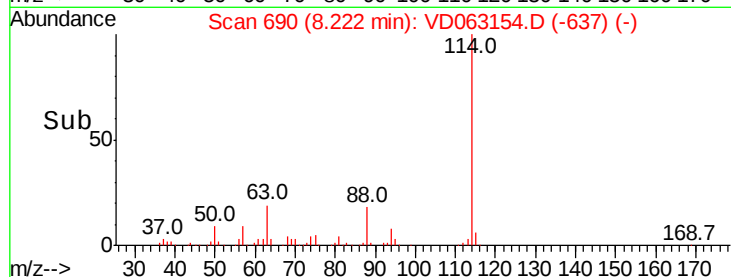


Abundance Ion 114.00 (113.70 to 114.70): V

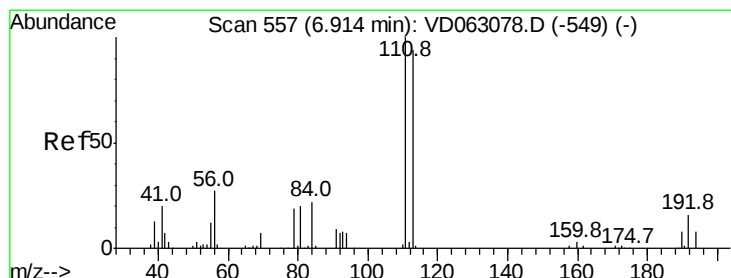
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

8.22



Time-->



#35

Dibromofluoromethane

Concen: 38.165 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

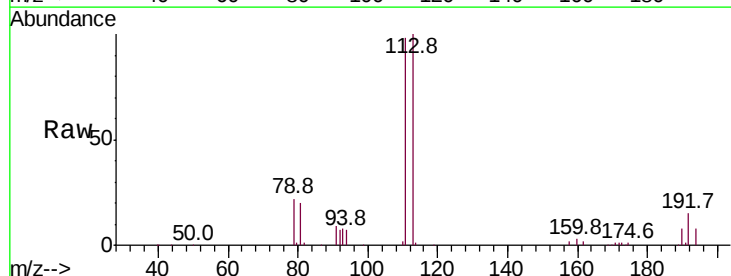
Tgt Ion:113 Resp: 470720

Ion Ratio Lower Upper

113 100

111 98.4 84.8 127.2

192 15.4 13.4 20.0

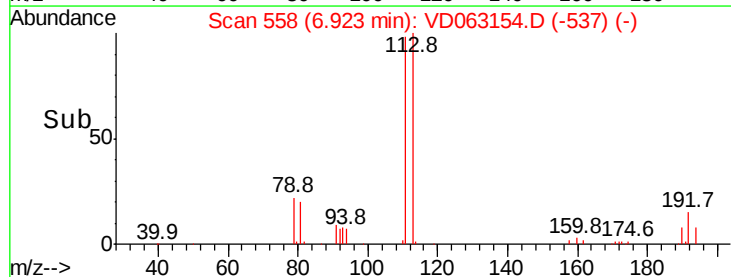


Abundance Ion 112.90 (112.60 to 113.60): V

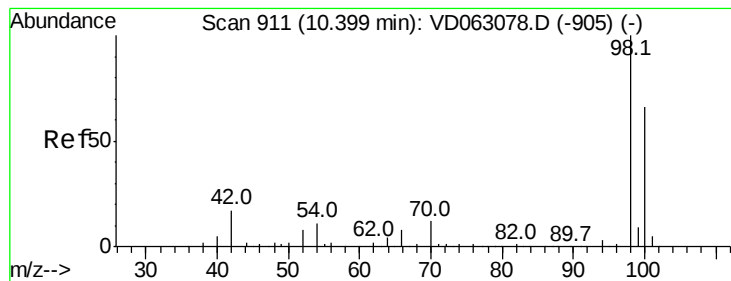
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.92



Time-->



#50

Toluene-d8

Concen: 34.222 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

Instrument :

MSVOA_D

ClientSampleId :

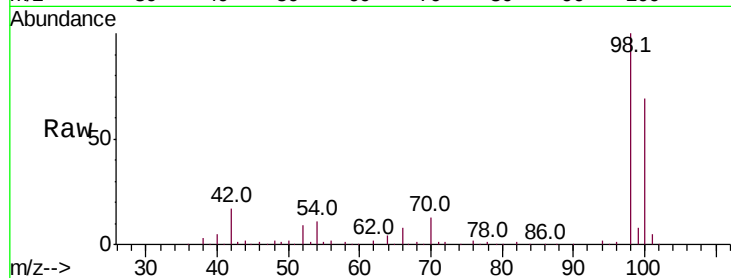
SB-3(0-2)

Tot Ion: 98 Resp: 906646

Ion Ratio Lower Upper

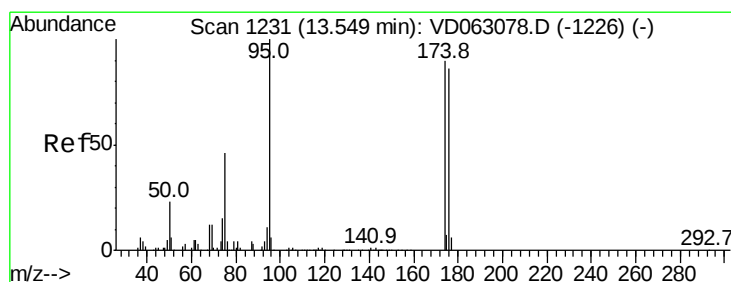
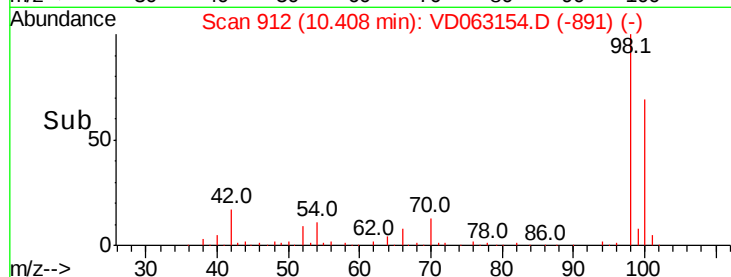
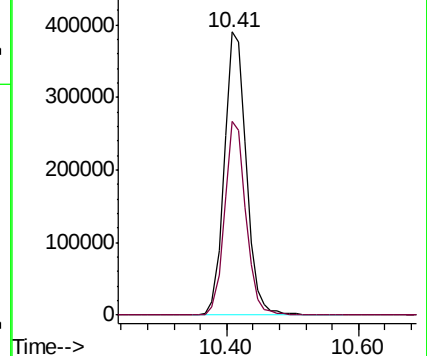
98 100

100 68.6 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 28.661 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063154.D

Acq: 19 Jul 2019 15:24

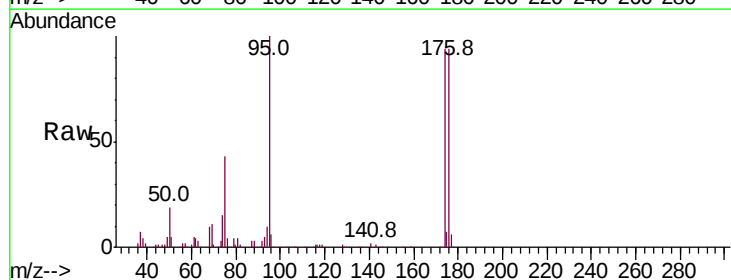
Tgt Ion: 95 Resp: 351294

Ion Ratio Lower Upper

95 100

174 93.7 0.0 180.6

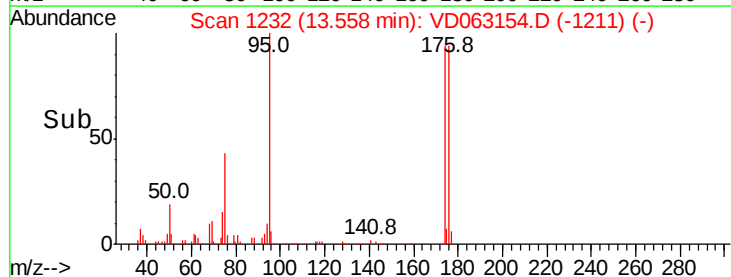
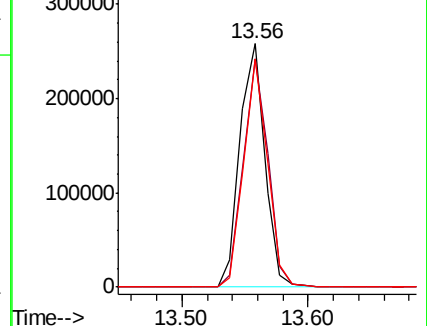
176 93.7 0.0 172.2

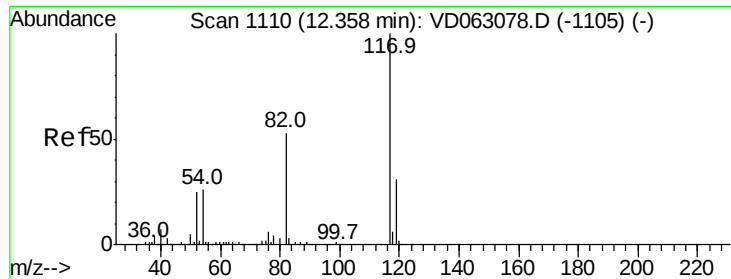


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

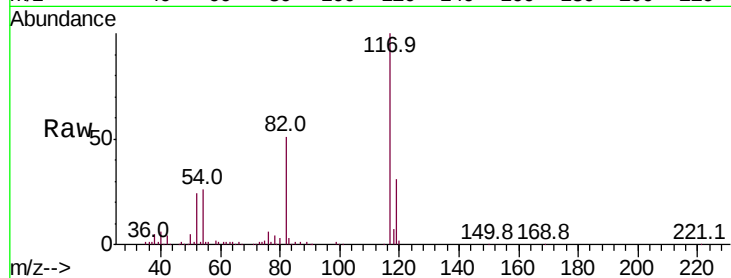




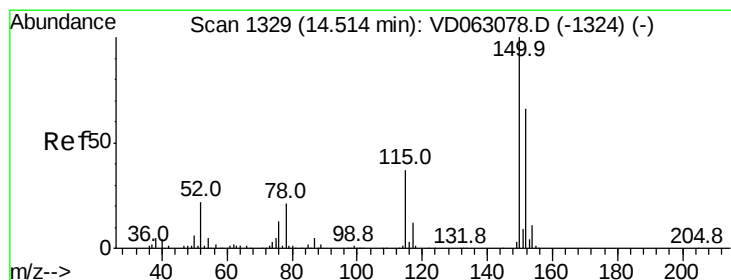
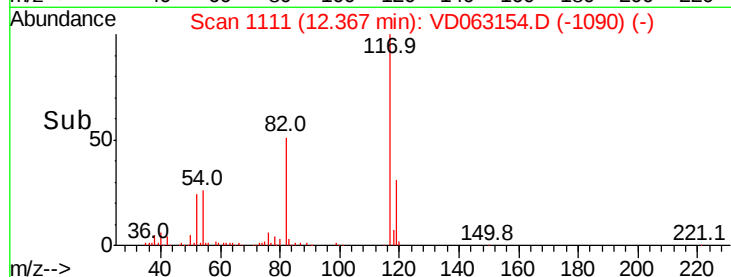
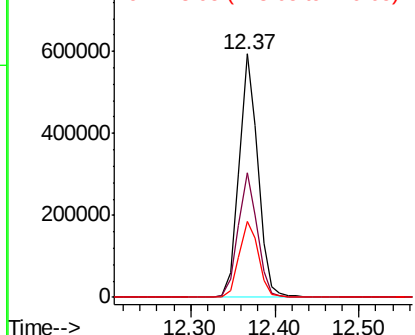
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063154.D
Acq: 19 Jul 2019 15:24

Instrument :
MSVOA_D
ClientSampleId :
SB-3(0-2)

Tot Ion:117 Resp: 924765
Ion Ratio Lower Upper
117 100
82 51.3 42.3 63.5
119 31.0 25.2 37.8

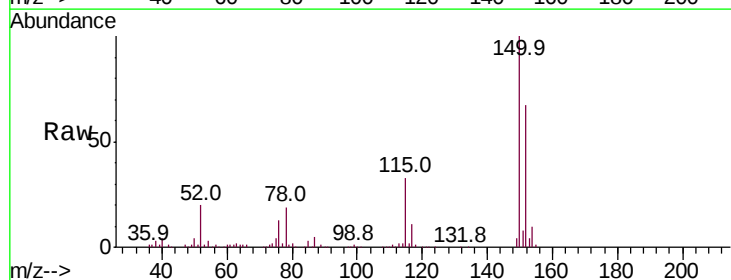


Abundance Ion 116.95 (116.65 to 117.65): V
800000
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063154.D
Acq: 19 Jul 2019 15:24

Tgt Ion:152 Resp: 397360
Ion Ratio Lower Upper
152 100
115 49.8 28.9 86.8
150 150.2 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V
600000
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

