

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063155.D
 Acq On : 19 Jul 2019 15:51
 Operator : VA/AP
 Sample : K3835-06RE
 Misc : 6.05g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(6-8)RE

Quant Time: Jul 20 05:32:13 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	7.05	168	895072	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1229996	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1014065	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	565487	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	378437	33.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	67.88%	
35) Dibromofluoromethane	6.93	113	411342	33.58	ug/l	0.01
Spiked Amount	50.000		Recovery	=	67.16%	
50) Toluene-d8	10.41	98	815974	31.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	62.02%	
62) 4-Bromofluorobenzene	13.55	95	388727	31.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.86%	

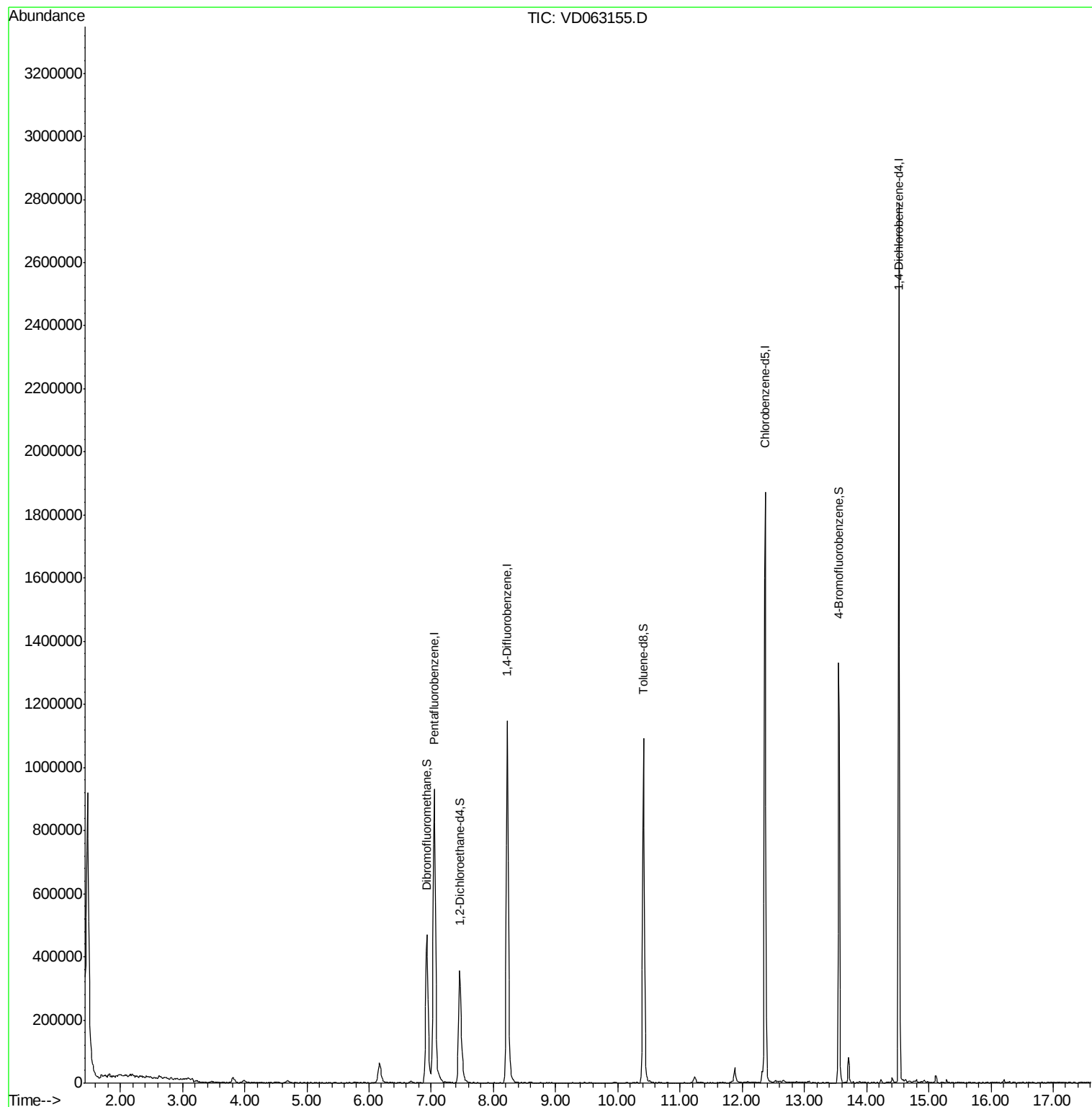
Target Compounds	Qvalue

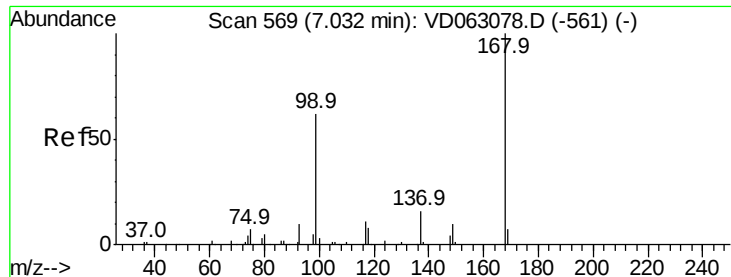
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

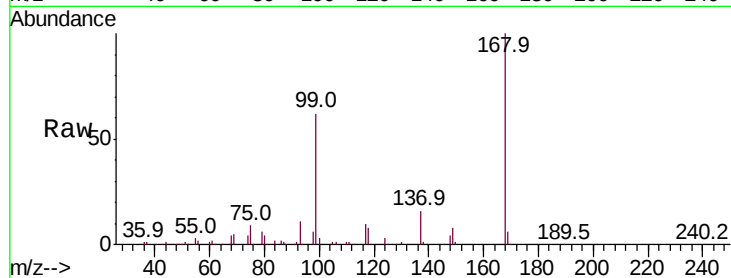
SB-3(6-8)RE

Tot Ion:168 Resp: 895072

Ion Ratio Lower Upper

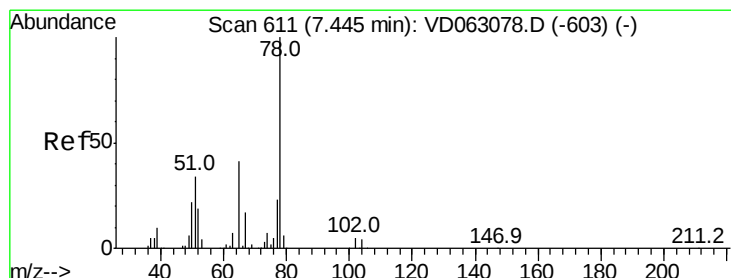
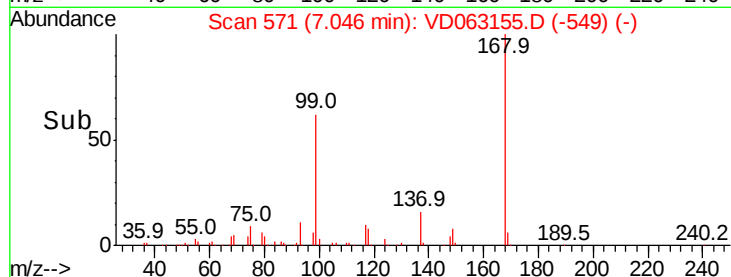
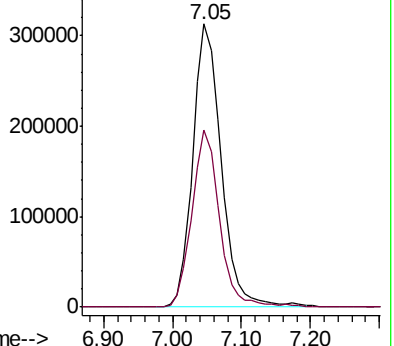
168 100

99 62.5 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: 33.941 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063155.D

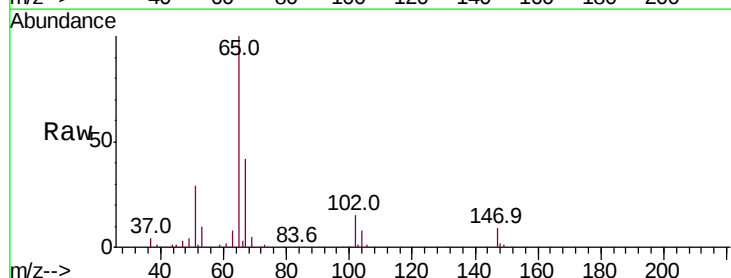
Acq: 19 Jul 2019 15:51

Tgt Ion: 65 Resp: 378437

Ion Ratio Lower Upper

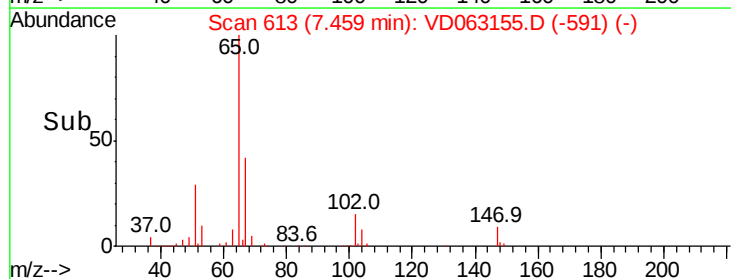
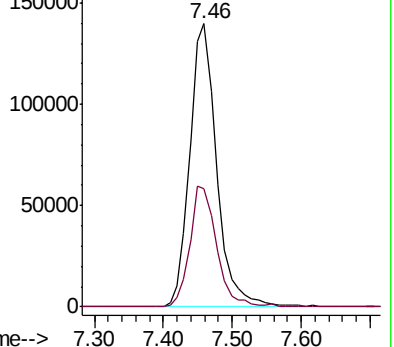
65 100

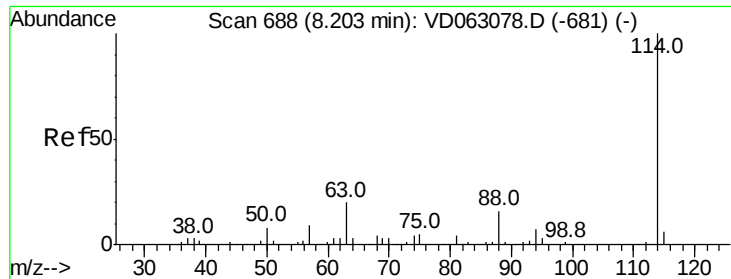
67 41.8 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

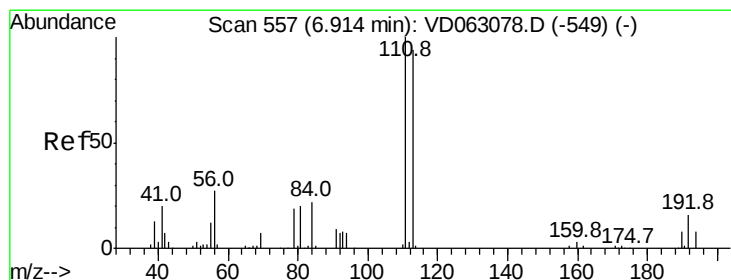
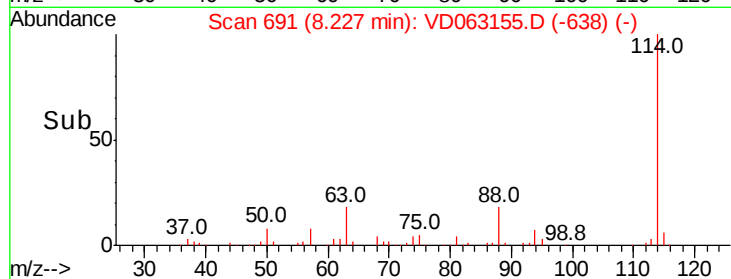
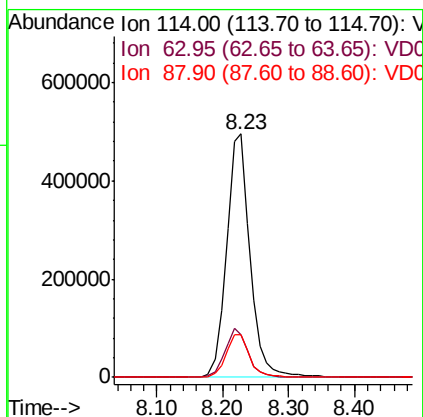
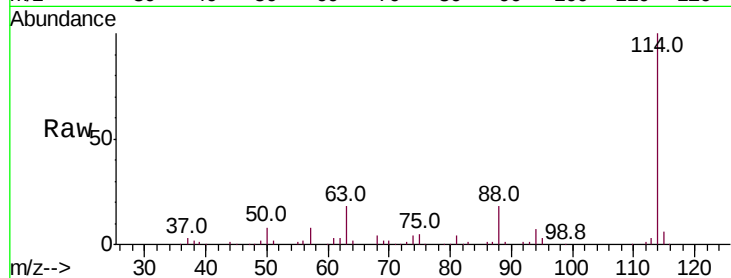




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063155.D
 Acq: 19 Jul 2019 15:51

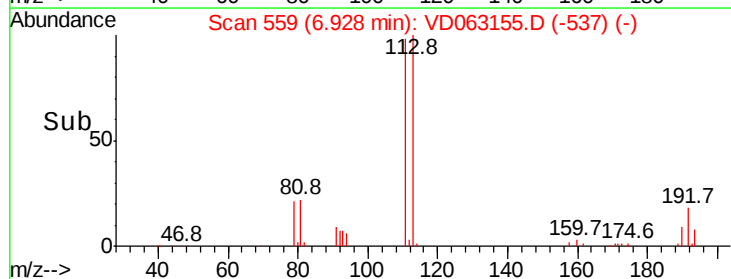
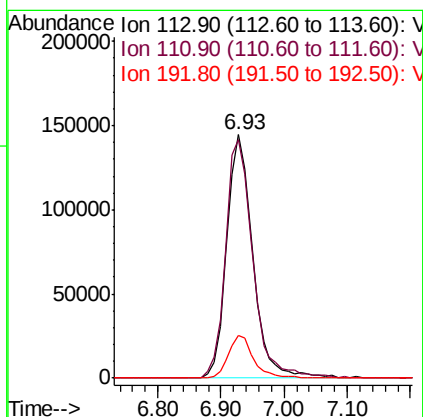
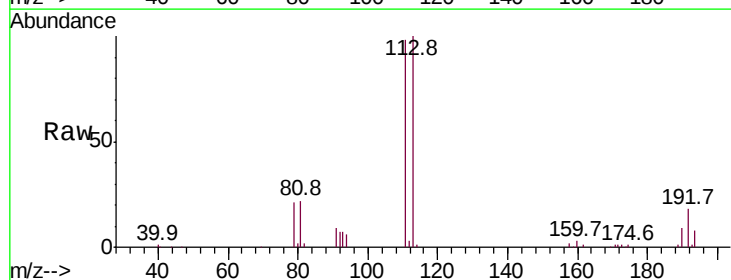
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(6-8)RE

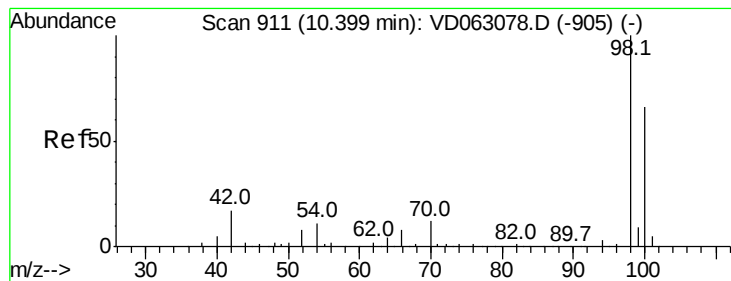
Tot Ion:114 Resp: 1229996
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 40.6
 88 17.7 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 33.576 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD063155.D
 Acq: 19 Jul 2019 15:51

Tgt Ion:113 Resp: 411342
 Ion Ratio Lower Upper
 113 100
 111 98.1 84.8 127.2
 192 17.6 13.4 20.0





#50

Toluene-d8

Concen: 31.008 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

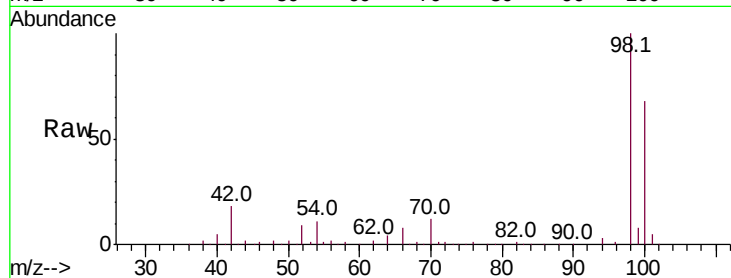
SB-3(6-8)RE

Tot Ion: 98 Resp: 815974

Ion Ratio Lower Upper

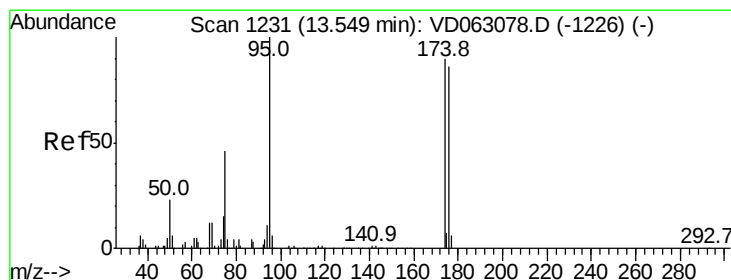
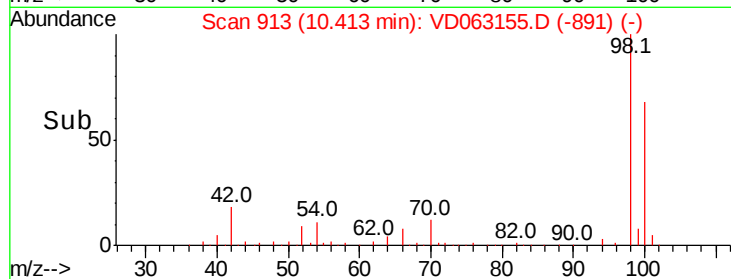
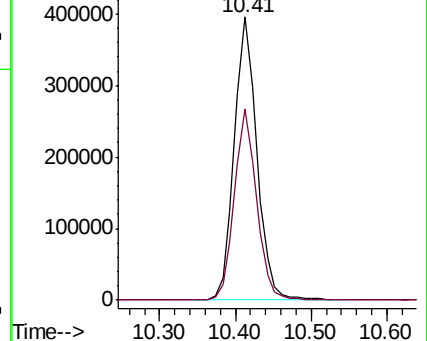
98 100

100 67.6 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: 31.930 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063155.D

Acq: 19 Jul 2019 15:51

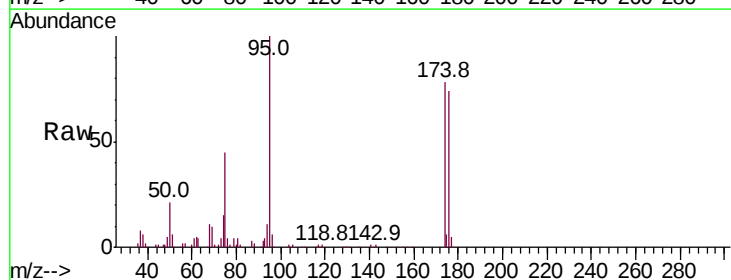
Tgt Ion: 95 Resp: 388727

Ion Ratio Lower Upper

95 100

174 78.2 0.0 180.6

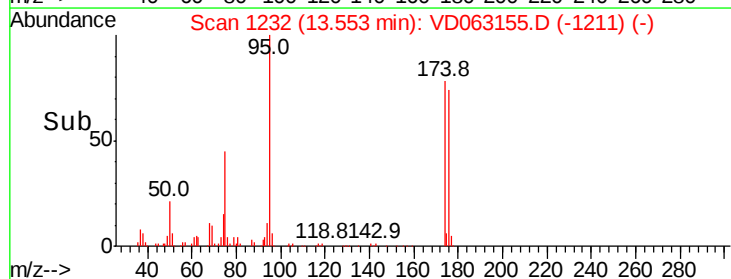
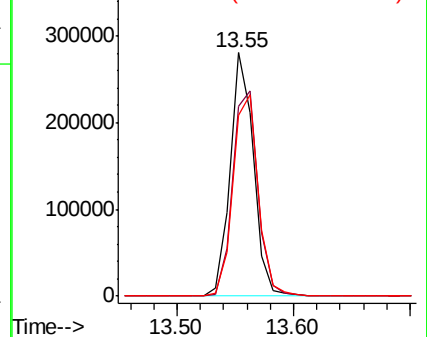
176 74.4 0.0 172.2

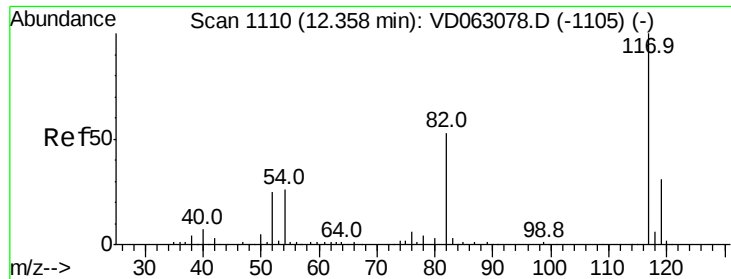


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

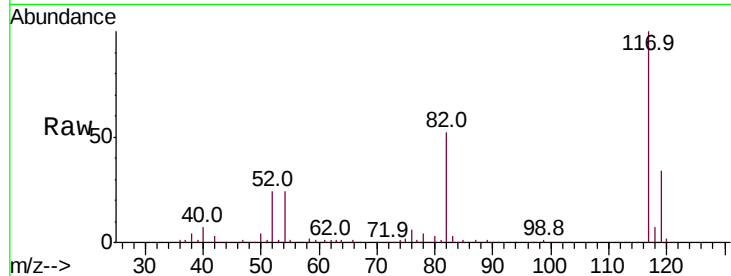




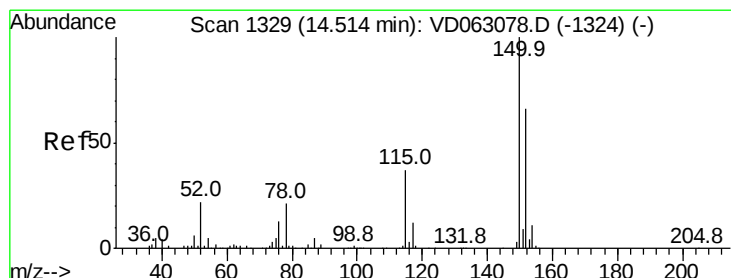
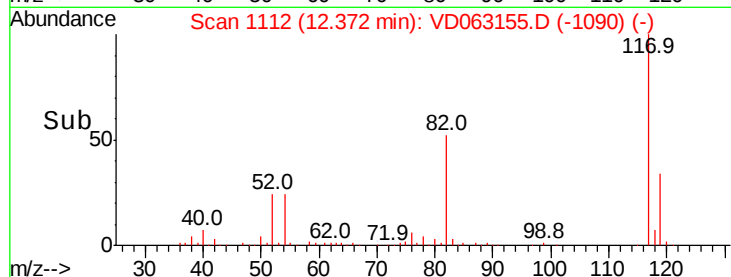
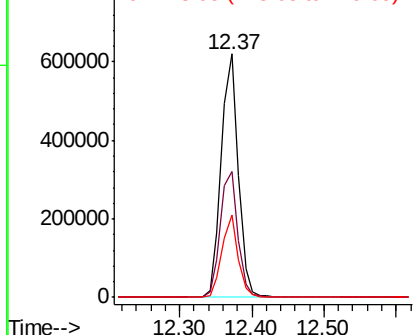
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063155.D
Acq: 19 Jul 2019 15:51

Instrument :
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ClientSampleId :
SB-3(6-8)RE

Tot Ion:117 Resp: 1014065
Ion Ratio Lower Upper
117 100
82 51.8 42.3 63.5
119 34.1 25.2 37.8

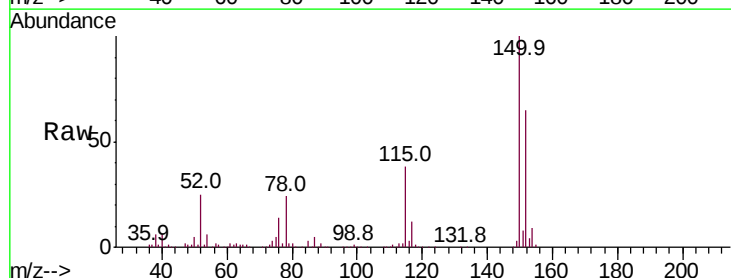


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063155.D
Acq: 19 Jul 2019 15:51

Tgt Ion:152 Resp: 565487
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.8
150 154.6 0.0 313.8



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

