

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062753.D
 Acq On : 18 Jun 2019 16:52
 Operator : VA/AP
 Sample : K3382-07RE
 Misc : 5.05g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GRAVEL-2RE

Quant Time: Jun 19 06:34:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	147198	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	214537	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	206403	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	109286	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	147817	69.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	139.18%	
35) Dibromofluoromethane	6.93	113	117014	51.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	10.41	98	192243	40.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.78%	
62) 4-Bromofluorobenzene	13.56	95	107944	48.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.22%	

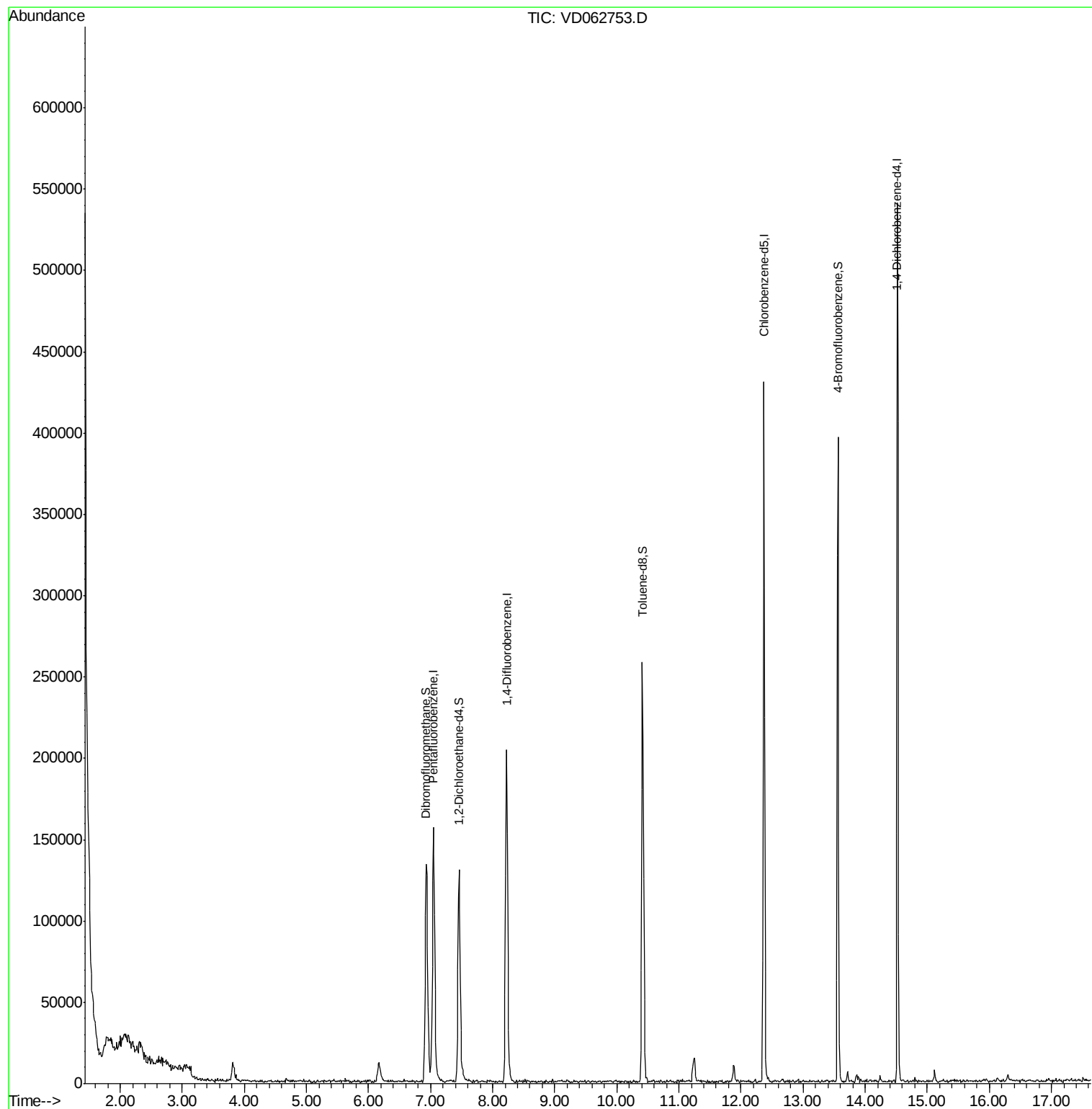
Target Compounds	Qvalue

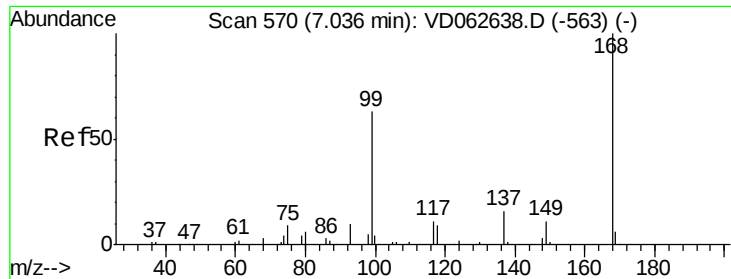
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD062753.D

Acq: 18 Jun 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

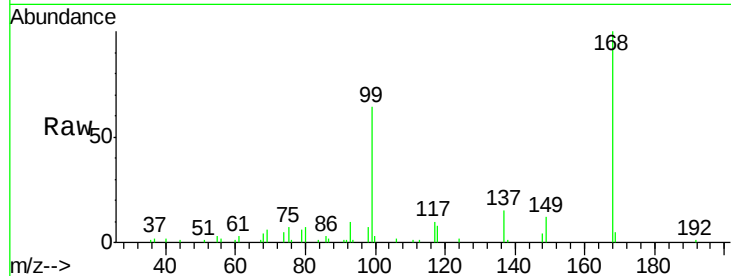
GRAVEL-2RE

Tot Ion:168 Resp: 147198

Ion Ratio Lower Upper

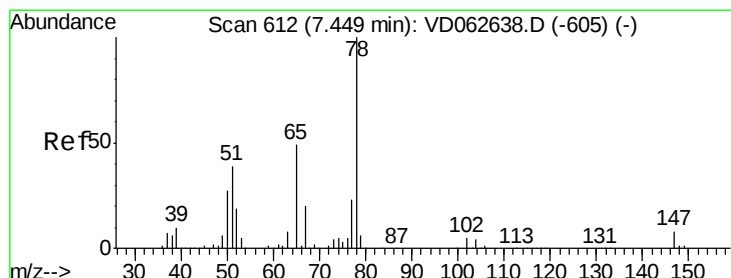
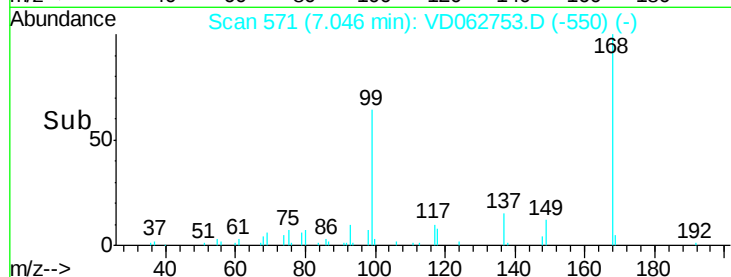
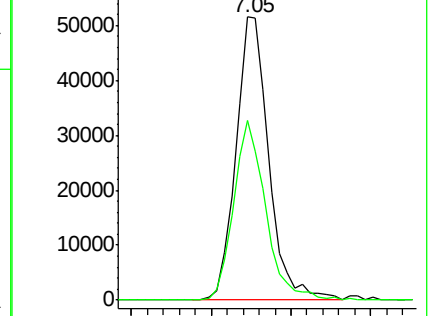
168 100

99 63.6 51.4 77.2



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: 69.592 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062753.D

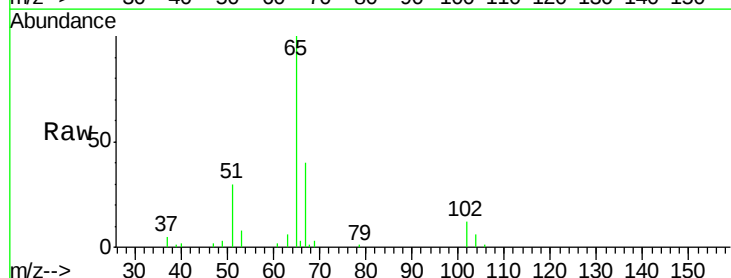
Acq: 18 Jun 2019 16:52

Tgt Ion: 65 Resp: 147817

Ion Ratio Lower Upper

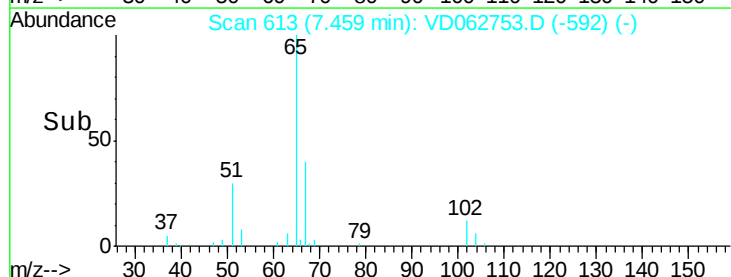
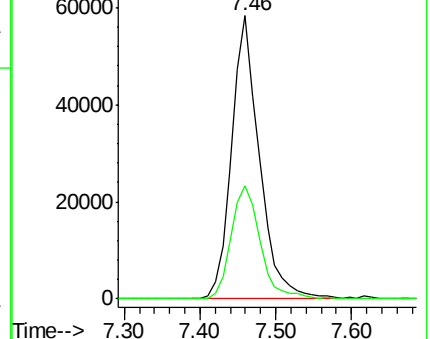
65 100

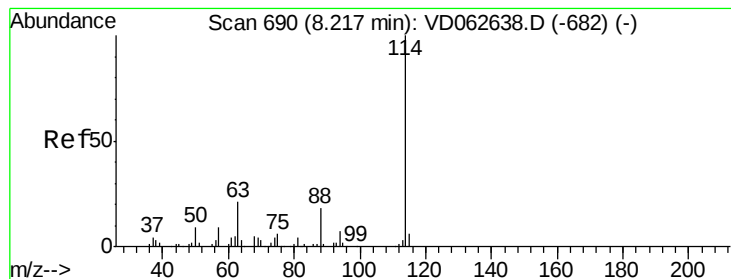
67 40.2 0.0 81.8



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. 0.01 min

Lab File: VD062753.D

Acq: 18 Jun 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

GRAVEL-2RE

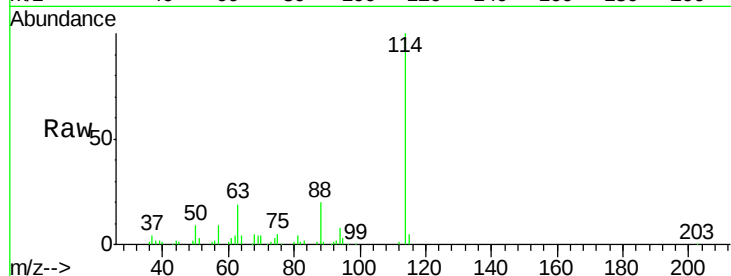
Tot Ion:114 Resp: 214537

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

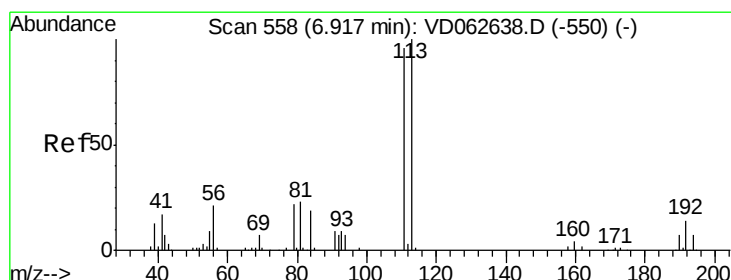
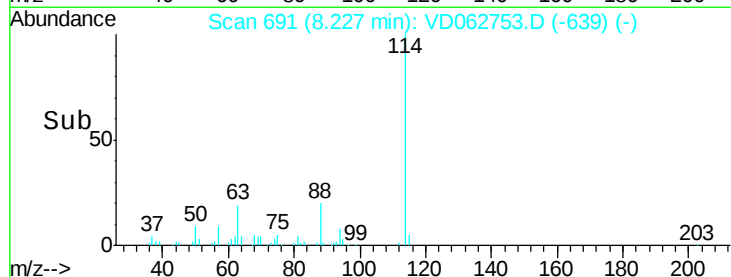
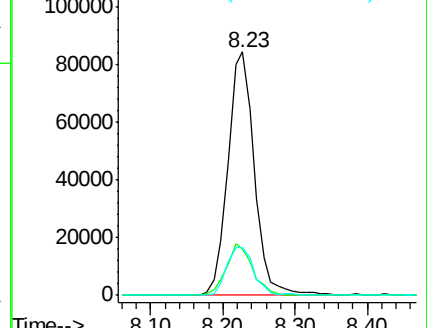
88 19.8 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 51.717 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062753.D

Acq: 18 Jun 2019 16:52

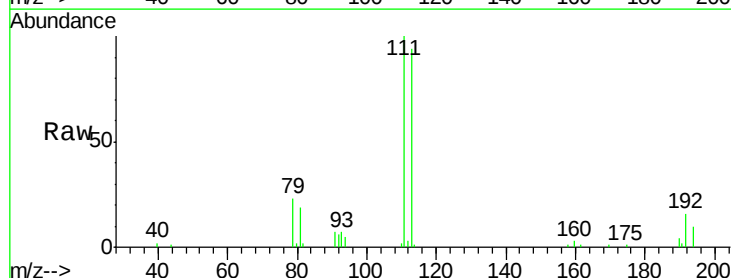
Tgt Ion:113 Resp: 117014

Ion Ratio Lower Upper

113 100

111 106.8 76.4 114.6

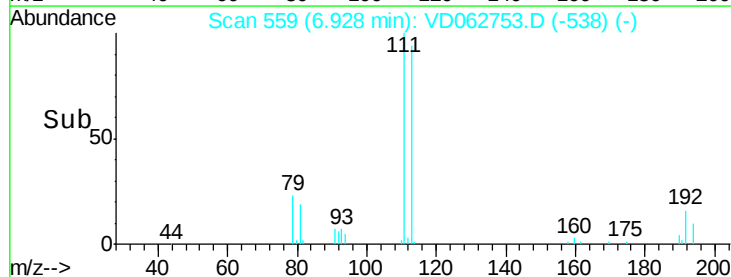
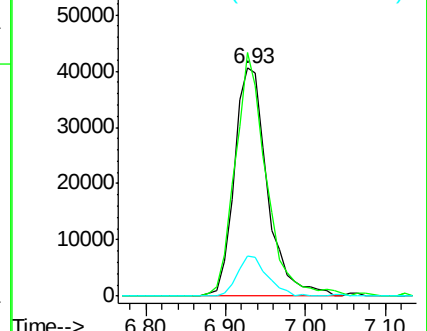
192 17.4 11.4 17.0#

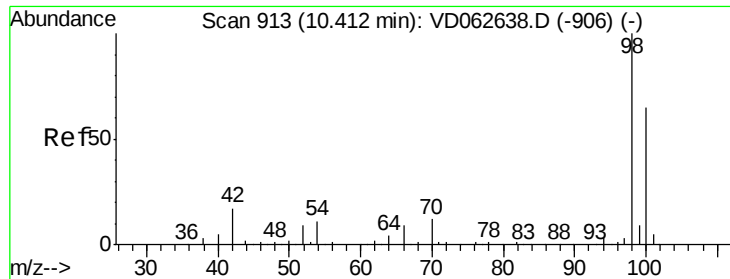


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

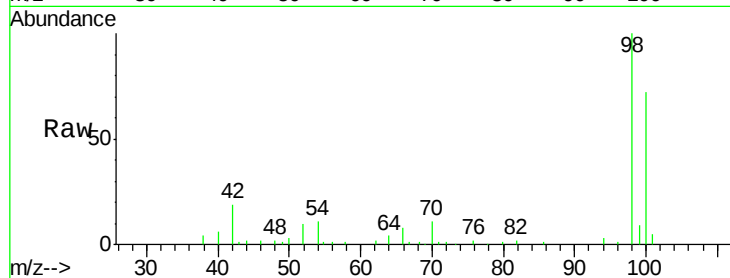




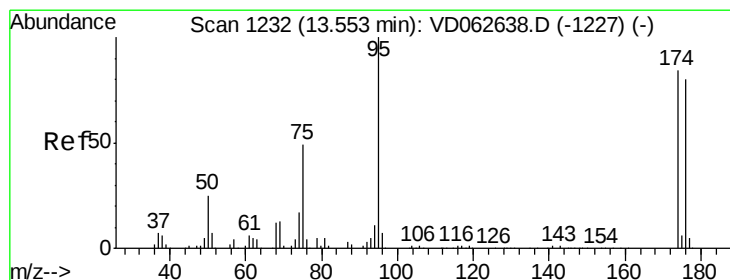
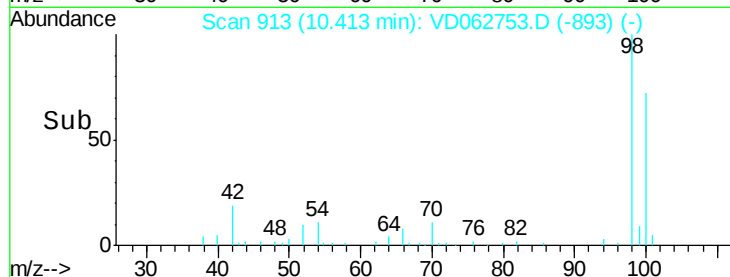
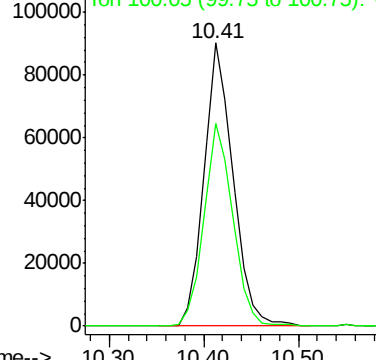
#50
Toluene-d8
Concen: 40.390 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062753.D
Acq: 18 Jun 2019 16:52

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-2RE

Tot Ion: 98 Resp: 192243
Ion Ratio Lower Upper
98 100
100 71.8 52.1 78.1

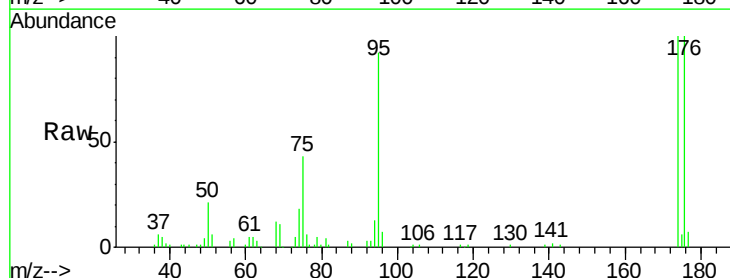


Abundance Ion 98.05 (97.75 to 98.75): VD062638.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD062638.D (-906) (-)

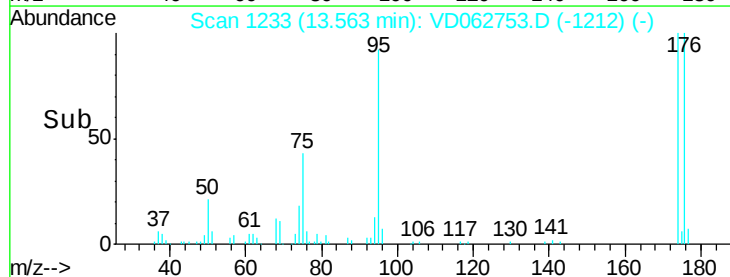
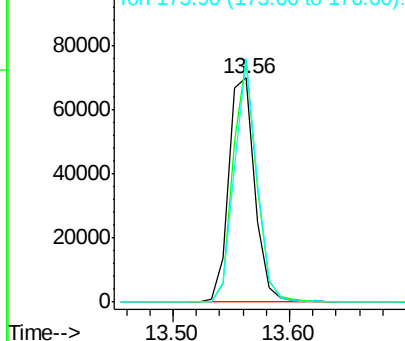


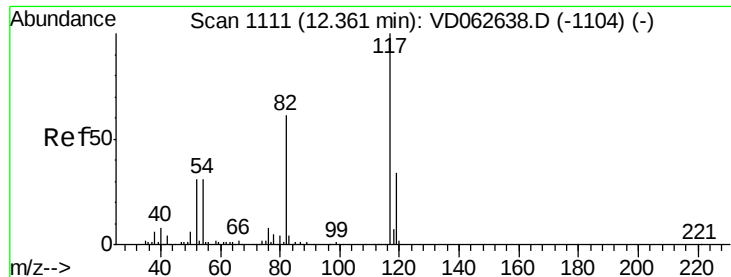
#62
4-Bromofluorobenzene
Concen: 48.611 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062753.D
Acq: 18 Jun 2019 16:52

Tgt Ion: 95 Resp: 107944
Ion Ratio Lower Upper
95 100
174 108.4 0.0 167.0
176 108.7 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): VD062638.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD062638.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD062638.D (-1227) (-)

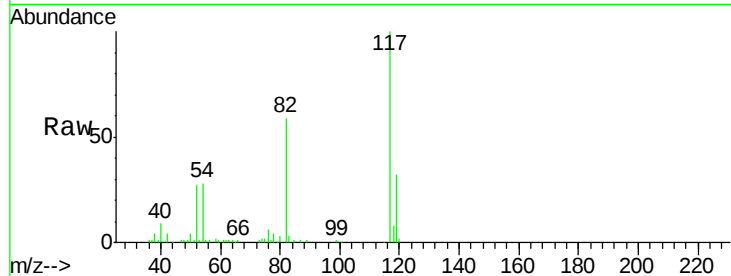




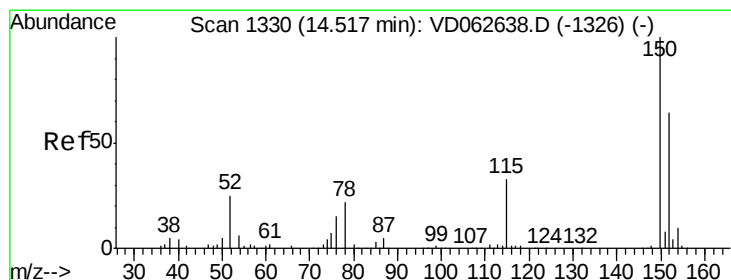
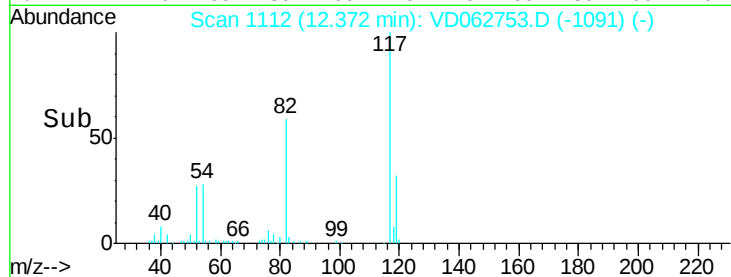
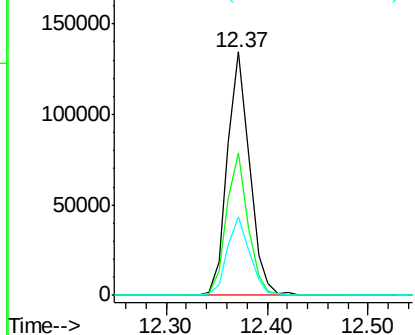
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062753.D
Acq: 18 Jun 2019 16:52

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-2RE

Tot Ion:117 Resp: 206403
Ion Ratio Lower Upper
117 100
82 58.6 48.7 73.1
119 32.0 27.0 40.6

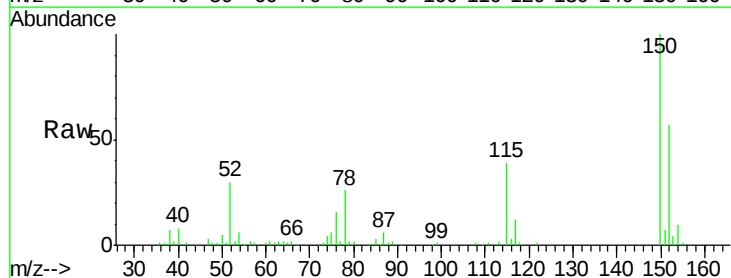


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062753.D
Acq: 18 Jun 2019 16:52

Tgt Ion:152 Resp: 109286
Ion Ratio Lower Upper
152 100
115 68.8 30.1 90.5
150 176.6 0.0 314.0



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

