

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062728.D
 Acq On : 17 Jun 2019 15:56
 Operator : VA/AP
 Sample : K3382-05
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GRAVEL-1

Quant Time: Jun 18 06:48:16 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	7.04	168	878792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1228030	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1038488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	521152	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	340546	26.86	ug/l	-0.01
Spiked Amount						
			Recovery	=	53.72%	
35) Dibromofluoromethane	6.91	113	386628	29.85	ug/l	-0.01
Spiked Amount						
			Recovery	=	59.70%	
50) Toluene-d8	10.40	98	755190	27.72	ug/l	-0.01
Spiked Amount						
			Recovery	=	55.44%	
62) 4-Bromofluorobenzene	13.55	95	387398	30.48	ug/l	0.00
Spiked Amount						
			Recovery	=	60.96%	

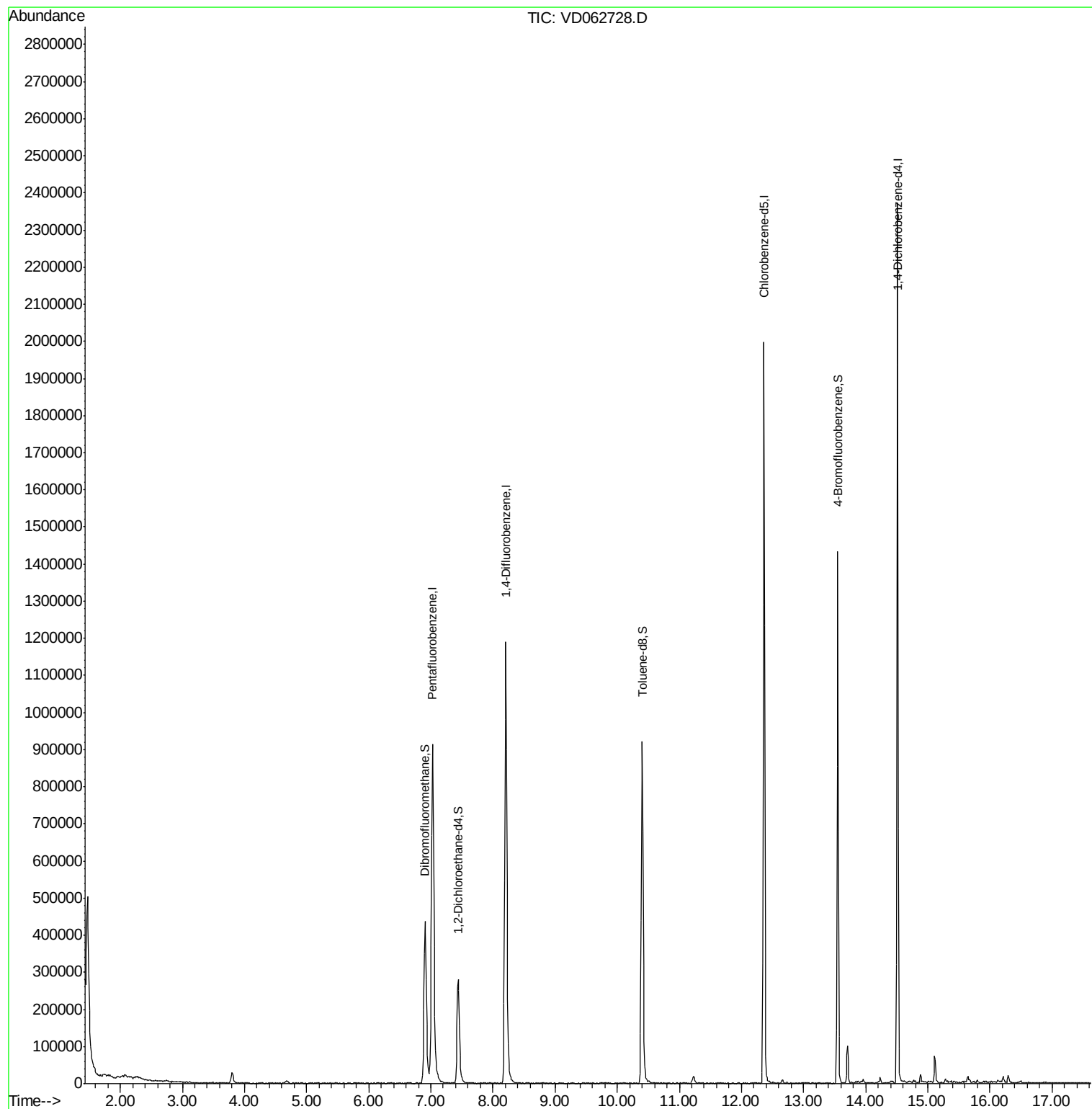
Target Compounds	Qvalue
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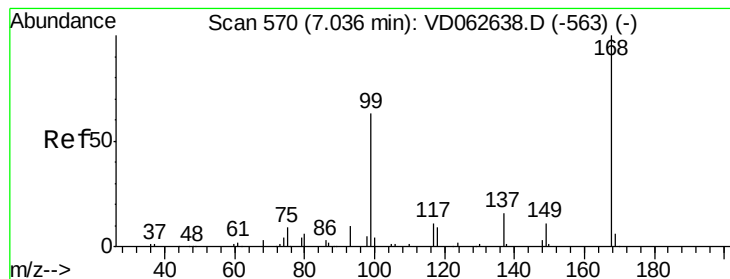
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD062728.D

Acq: 17 Jun 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

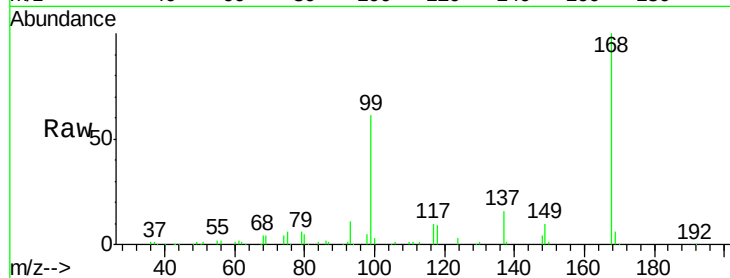
GRAVEL-1

Tot Ion:168 Resp: 878792

Ion Ratio Lower Upper

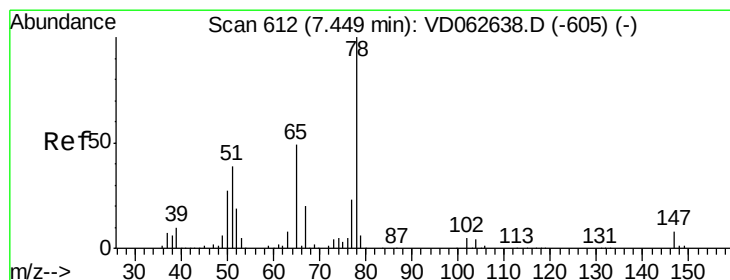
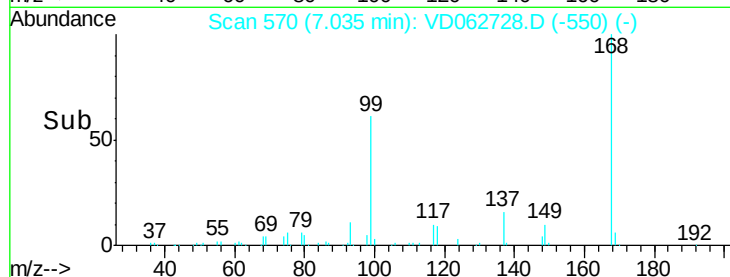
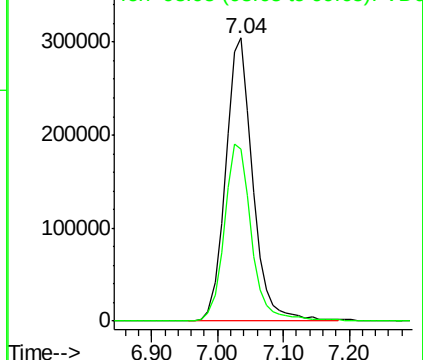
168 100

99 60.7 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: 26.855 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062728.D

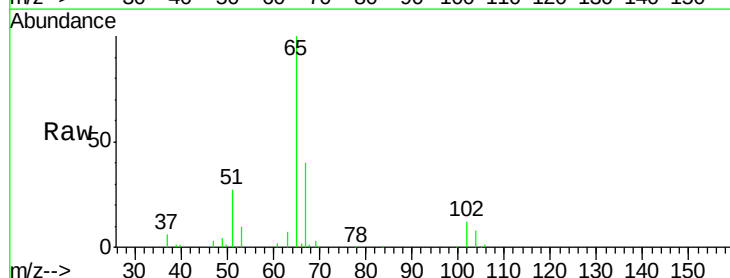
Acq: 17 Jun 2019 15:56

Tgt Ion: 65 Resp: 340546

Ion Ratio Lower Upper

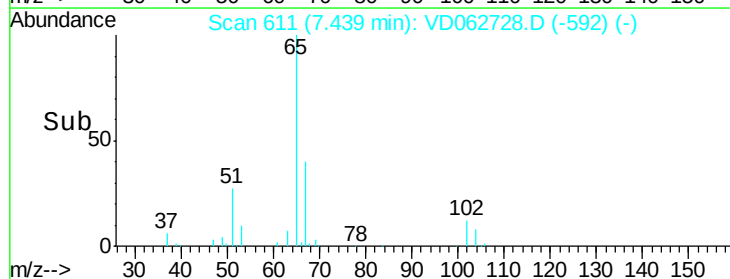
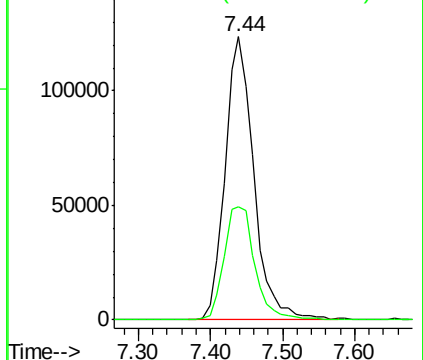
65 100

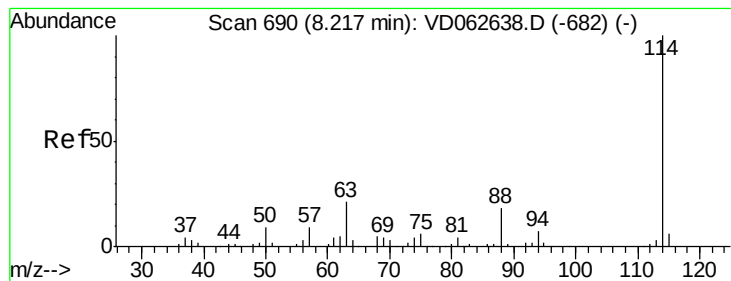
67 39.9 0.0 81.8



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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062728.D

Acq: 17 Jun 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

GRAVEL-1

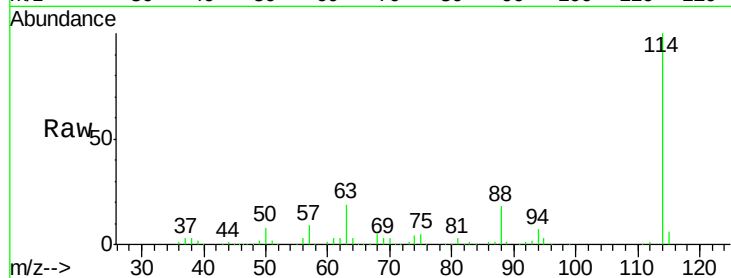
Tot Ion:114 Resp: 1228030

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 18.2 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

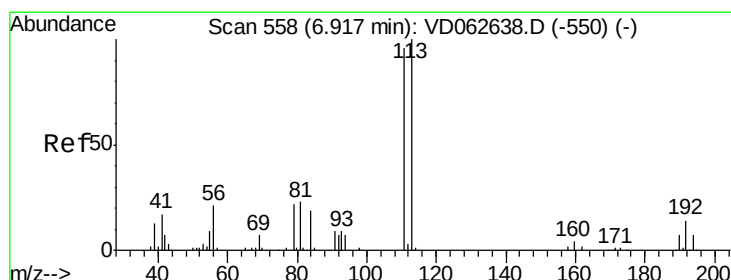
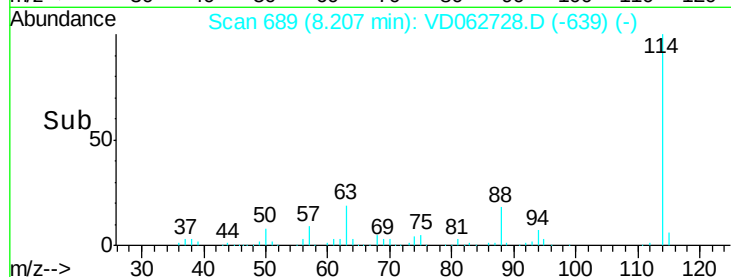
8.21

400000

200000

0

Time-->



#35

Dibromofluoromethane

Concen: 29.853 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062728.D

Acq: 17 Jun 2019 15:56

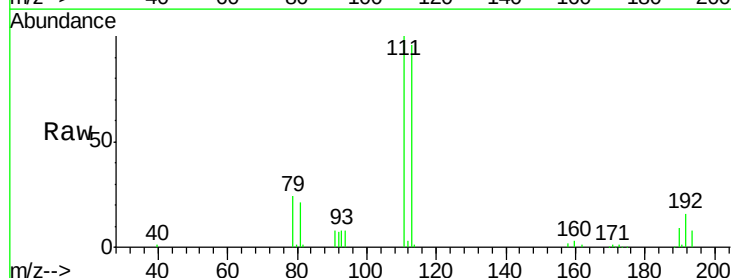
Tgt Ion:113 Resp: 386628

Ion Ratio Lower Upper

113 100

111 104.1 76.4 114.6

192 17.1 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

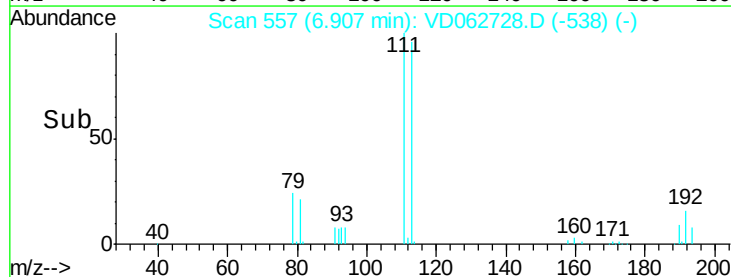
150000

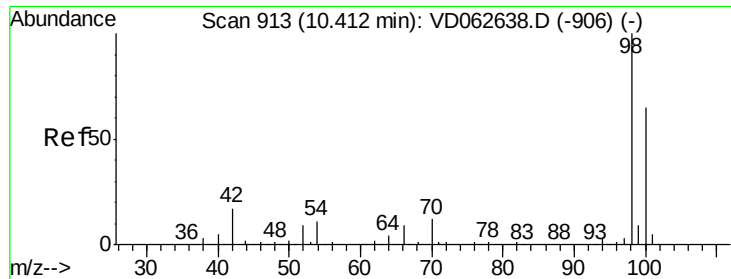
100000

50000

0

Time-->

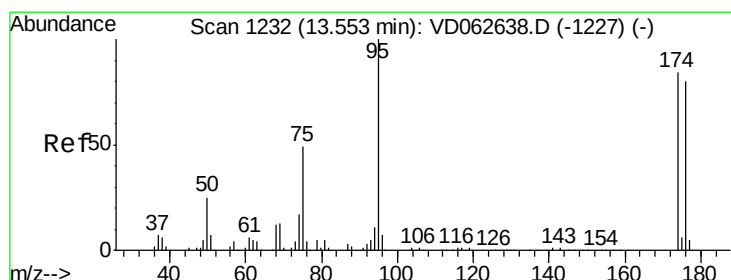
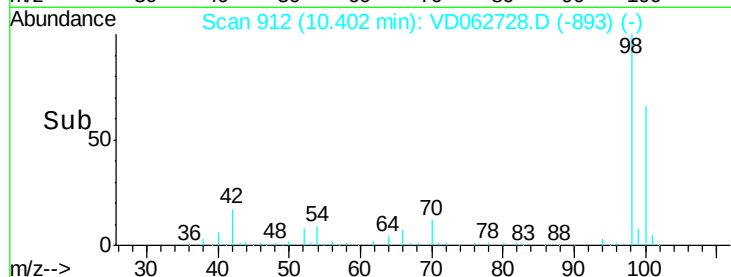
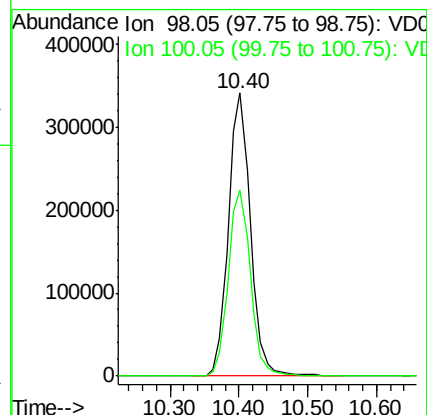
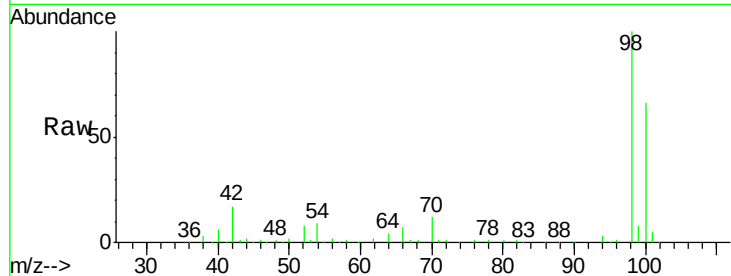




#50
Toluene-d8
Concen: 27.719 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

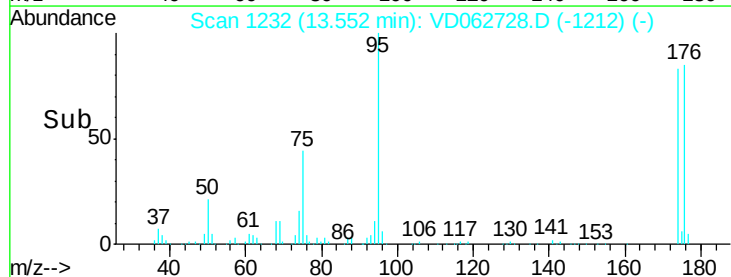
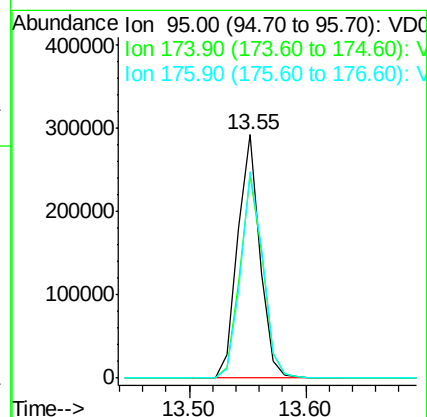
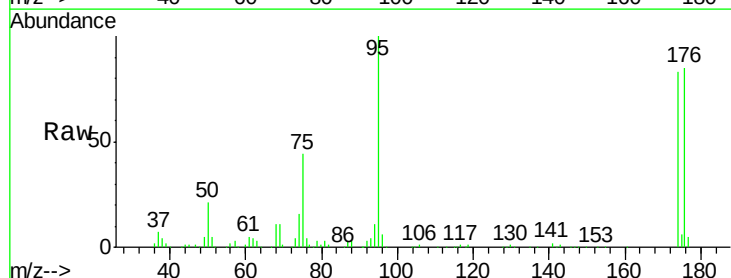
Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-1

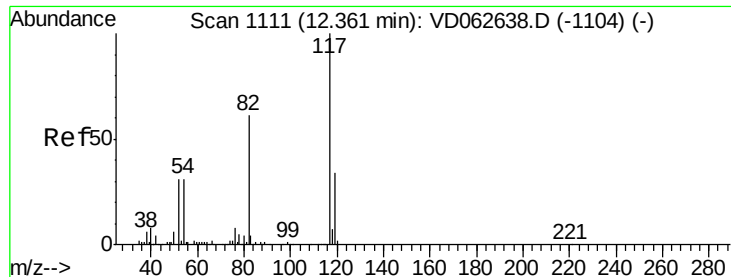
Tot Ion: 98 Resp: 755190
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 30.478 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Tgt Ion: 95 Resp: 387398
Ion Ratio Lower Upper
95 100
174 83.2 0.0 167.0
176 84.9 0.0 159.2

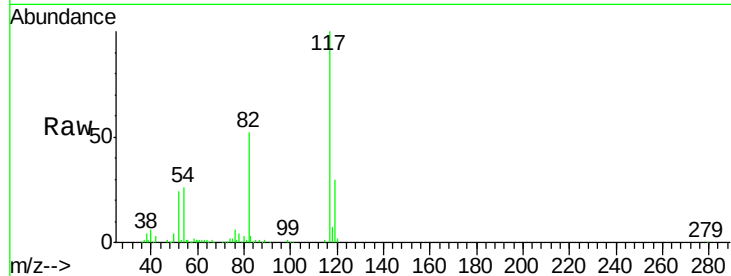




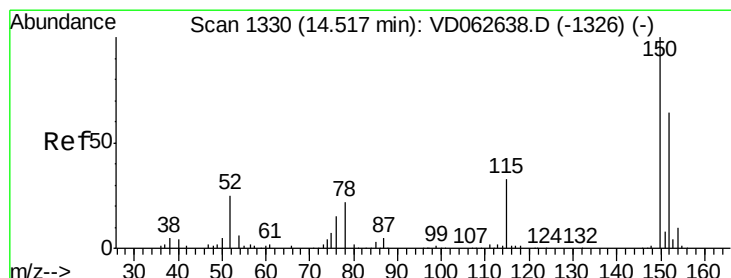
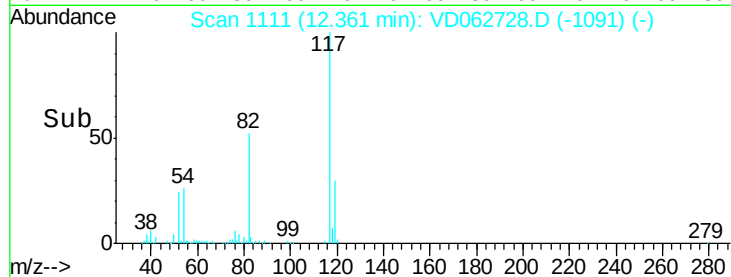
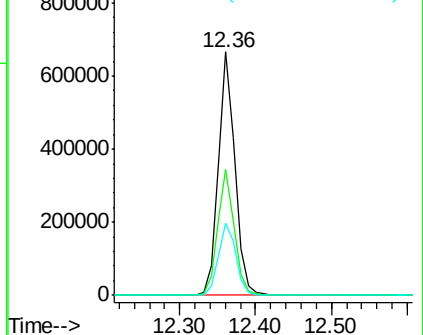
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-1

Tot Ion:117 Resp: 1038488
Ion Ratio Lower Upper
117 100
82 51.5 48.7 73.1
119 29.6 27.0 40.6

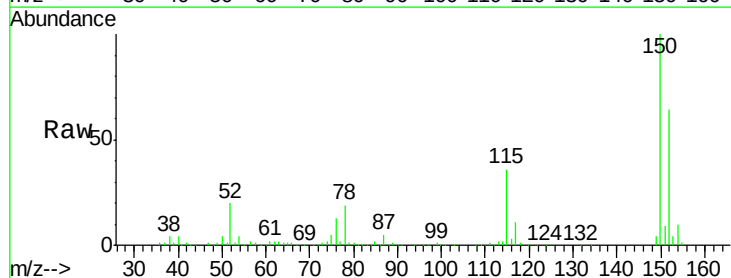


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Tgt Ion:152 Resp: 521152
Ion Ratio Lower Upper
152 100
115 56.8 30.1 90.5
150 156.1 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

