

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059852.D
 Acq On : 21 Aug 2018 13:32
 Operator : JC/SY
 Sample : J4511-02RE
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081418-FL-024RE

Quant Time: Aug 22 01:25:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	63785	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.65	114	100543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	95915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	53036	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.97	65	43400	85.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.02%	
35) Dibromofluoromethane	5.51	113	39711	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	8.67	98	100173	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.91	95	45079	58.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.16%	

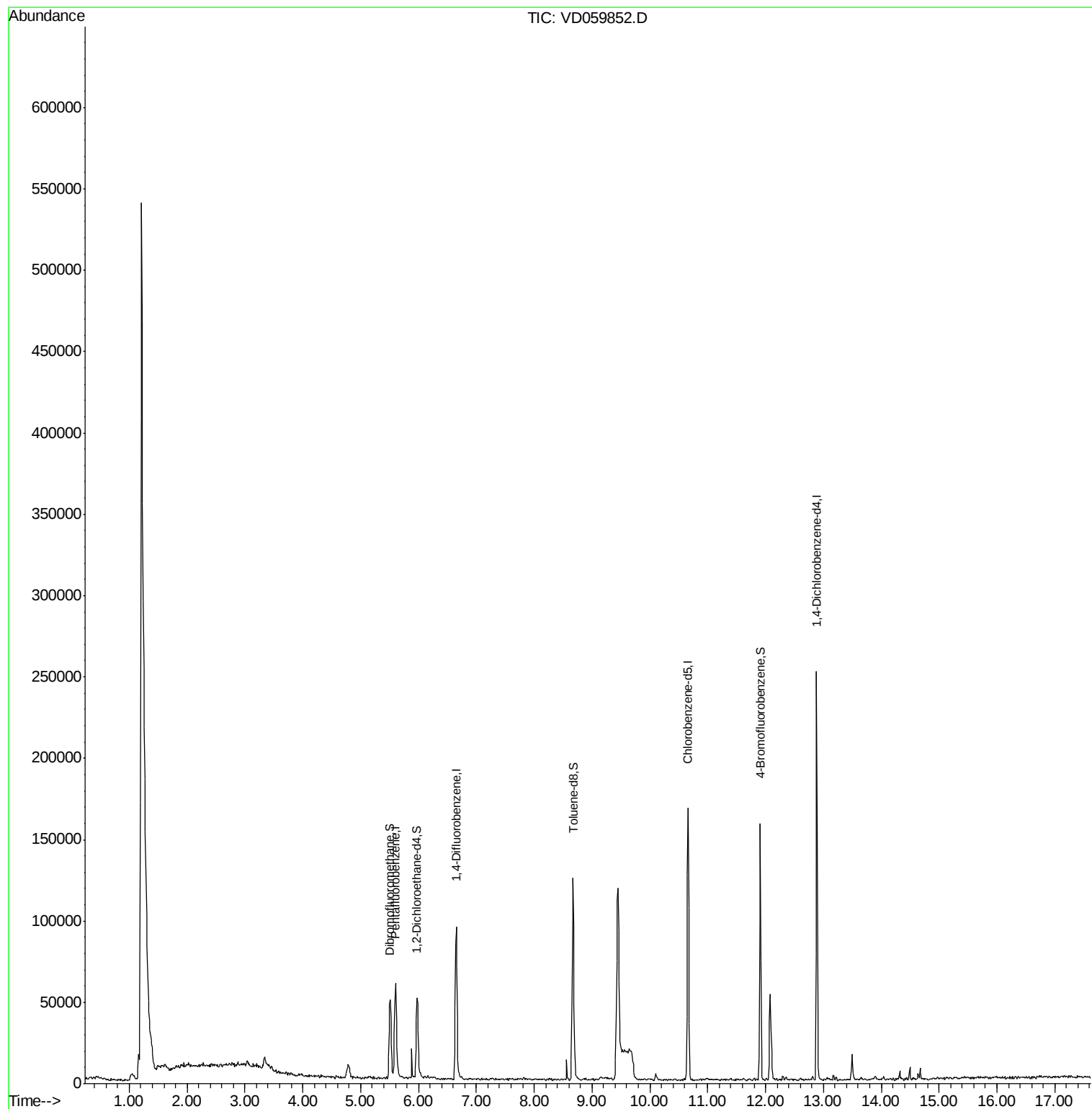
Target Compounds	Qvalue

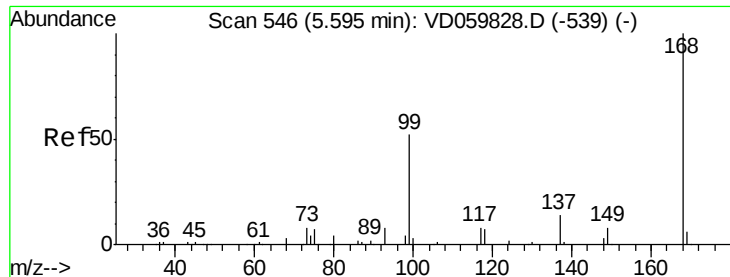
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082118\
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Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD059852.D

Acq: 21 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

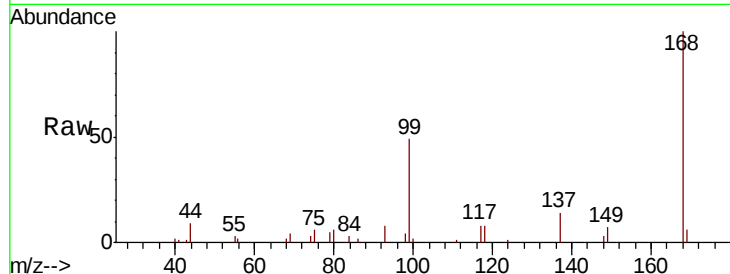
RA-081418-FL-024RE

Tot Ion:168 Resp: 63785

Ion Ratio Lower Upper

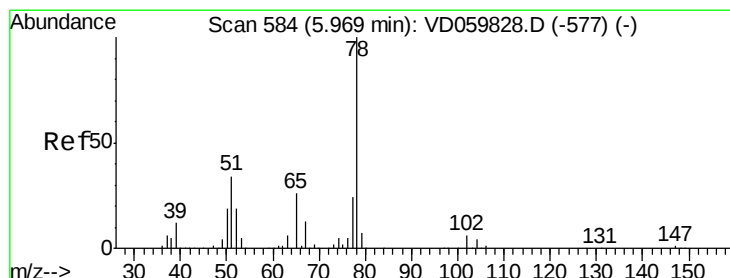
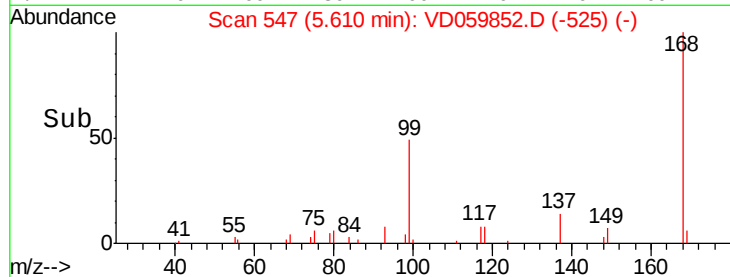
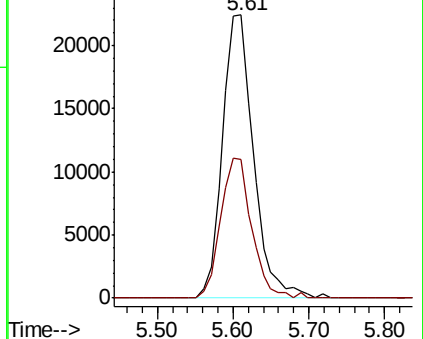
168 100

99 48.8 43.6 65.4



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: N.D. ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VD059852.D

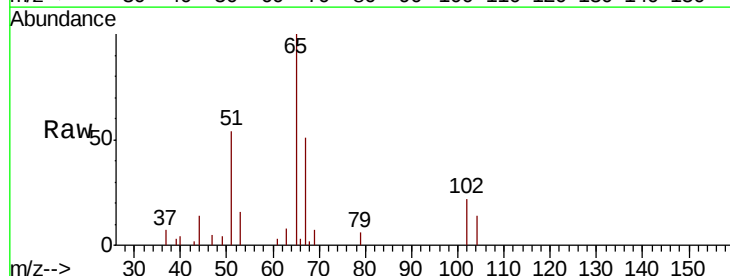
Acq: 21 Aug 2018 13:32

Tgt Ion: 65 Resp: 43400

Ion Ratio Lower Upper

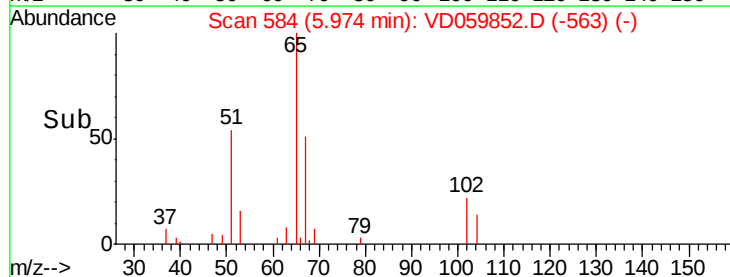
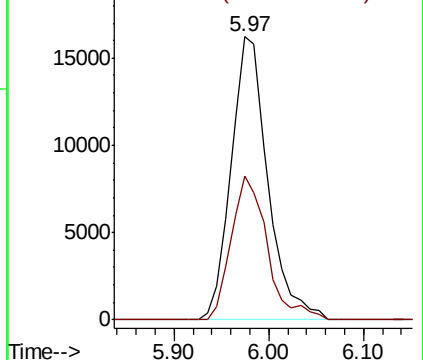
65 100

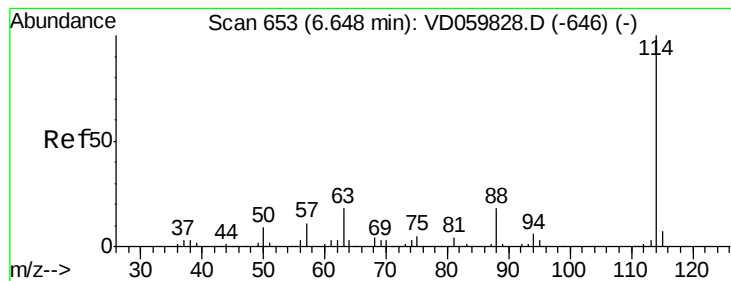
67 50.8 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: VD059852.D

Acq: 21 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

RA-081418-FL-024RE

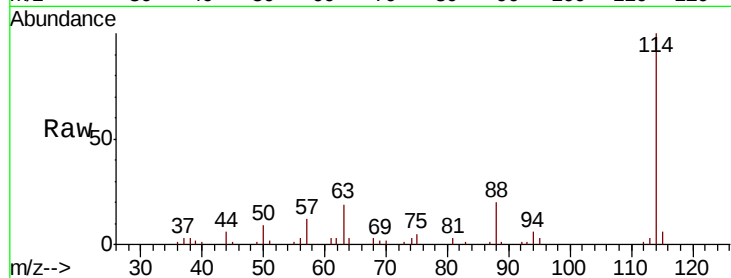
Tot Ion:114 Resp: 100543

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.0

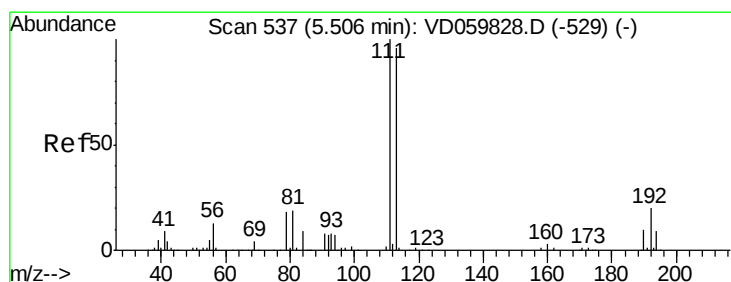
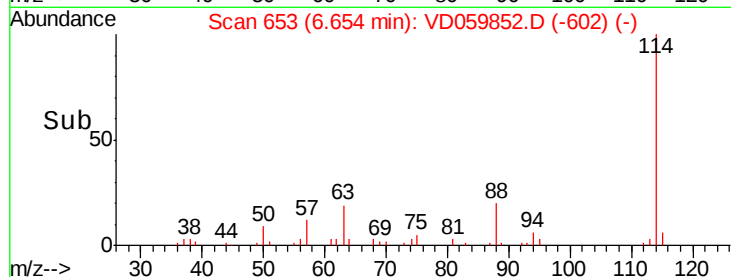
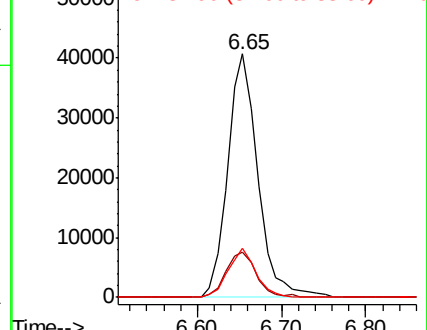
88 20.3 0.0 37.0



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



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD059852.D

Acq: 21 Aug 2018 13:32

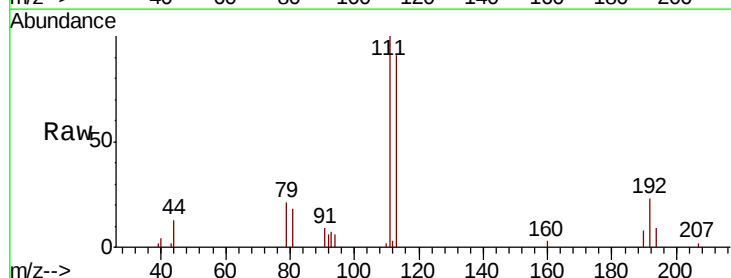
Tgt Ion:113 Resp: 39711

Ion Ratio Lower Upper

113 100

111 110.3 83.3 124.9

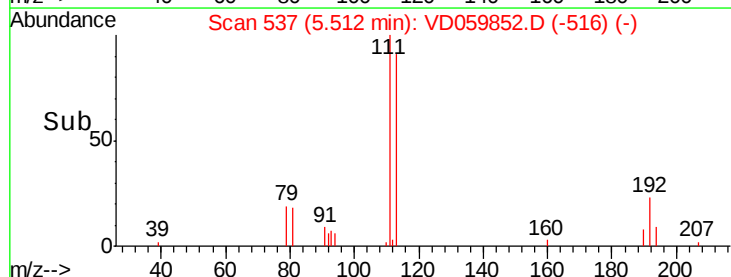
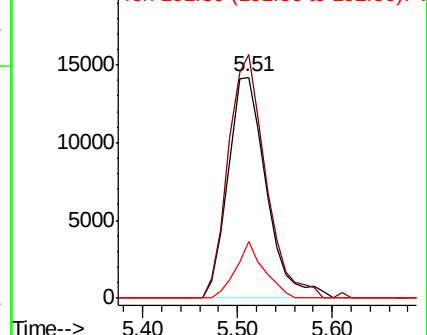
192 25.5 16.8 25.2#

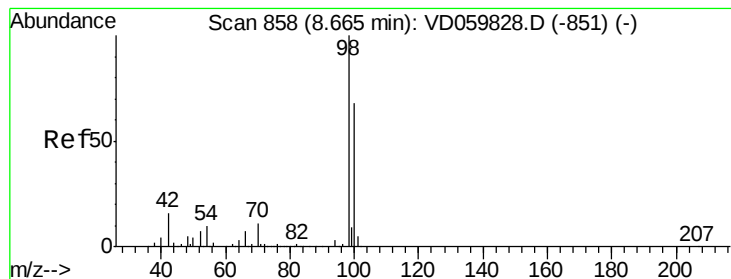


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD059852.D

Acq: 21 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

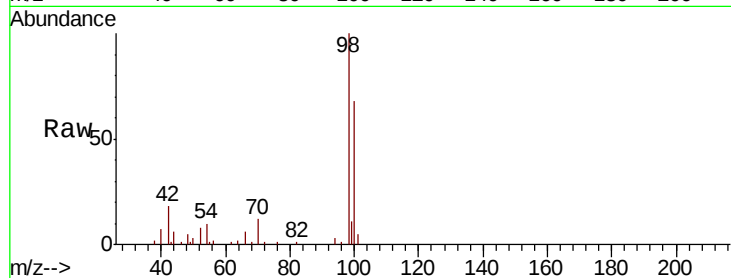
RA-081418-FL-024RE

Tot Ion: 98 Resp: 100173

Ion Ratio Lower Upper

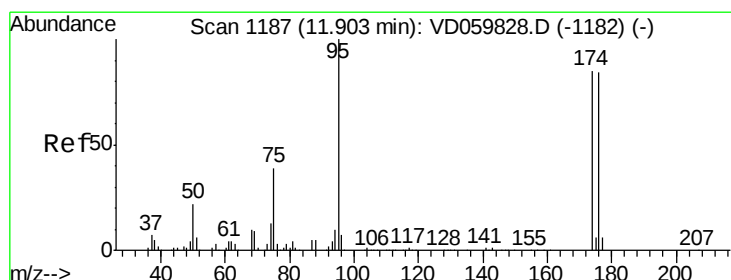
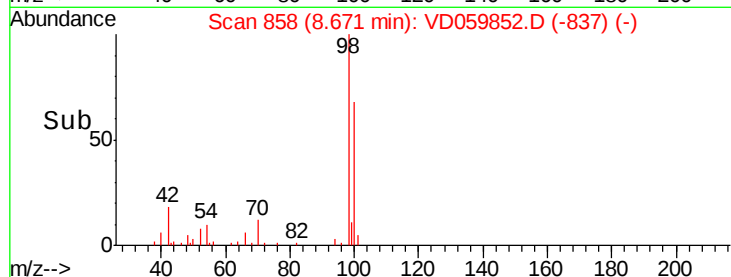
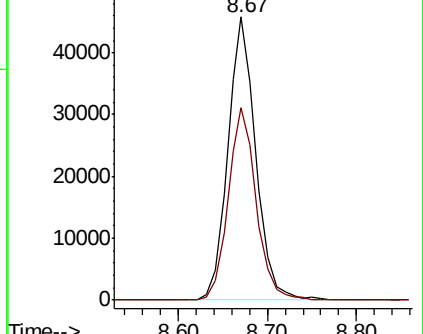
98 100

100 68.0 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.91 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VD059852.D

Acq: 21 Aug 2018 13:32

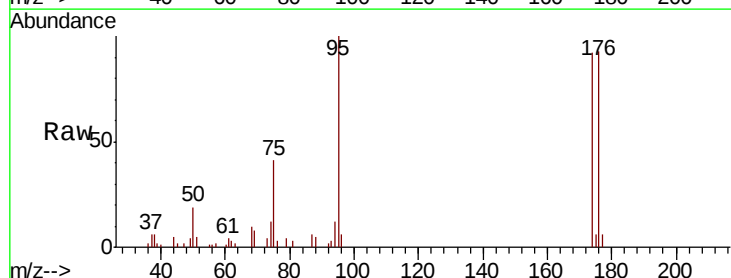
Tgt Ion: 95 Resp: 45079

Ion Ratio Lower Upper

95 100

174 92.5 0.0 169.2

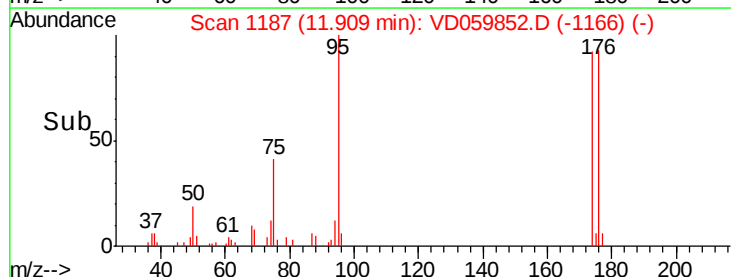
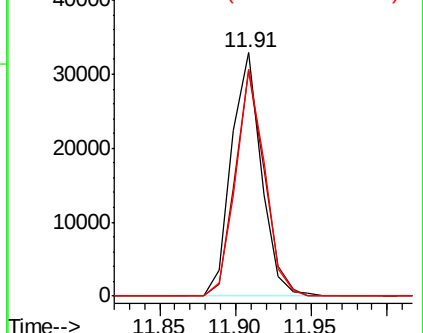
176 93.0 0.0 168.0

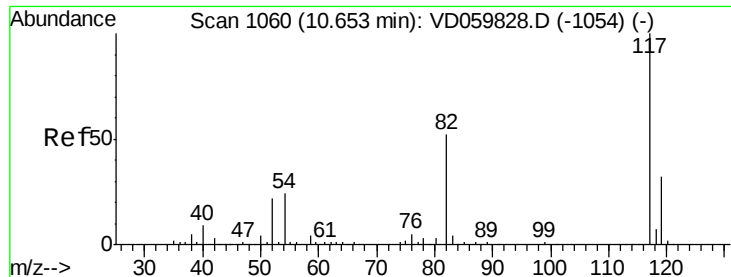


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

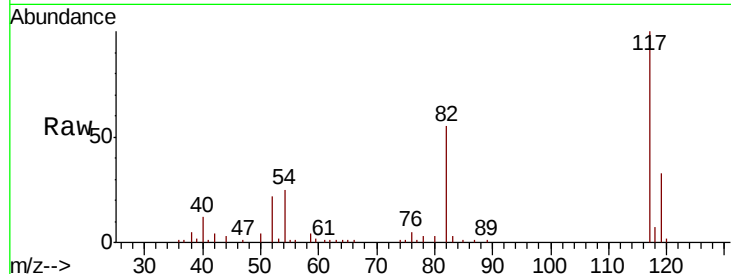




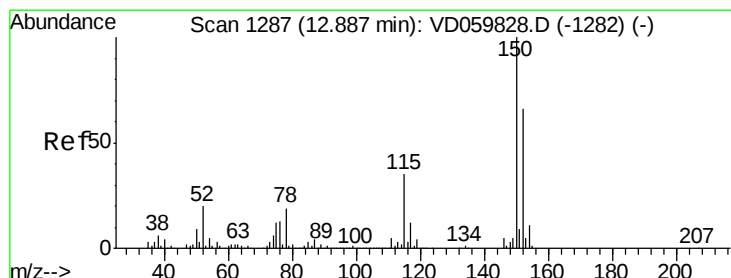
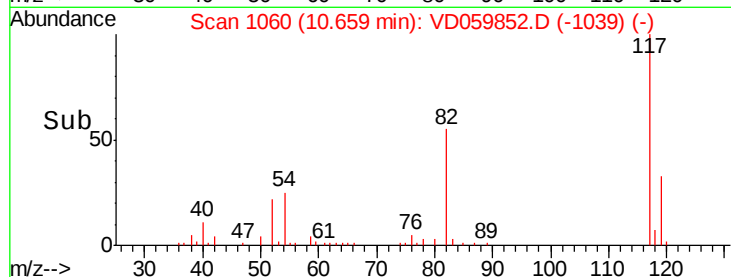
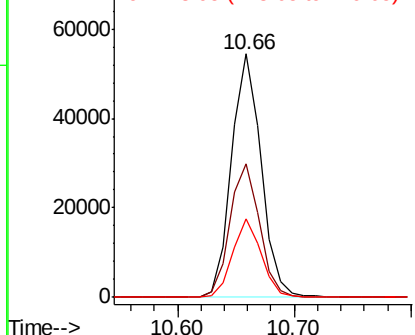
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059852.D
Acq: 21 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
RA-081418-FL-024RE

Tot Ion:117 Resp: 95915
Ion Ratio Lower Upper
117 100
82 54.8 41.6 62.4
119 32.5 25.6 38.4

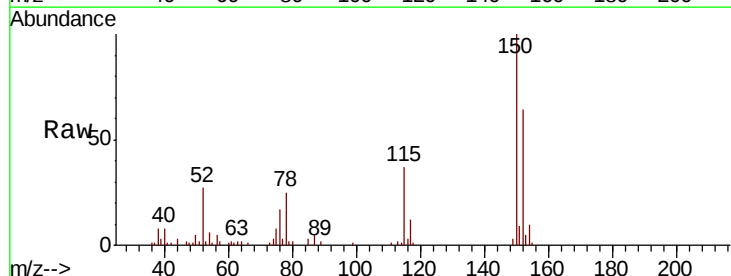


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.88 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VD059852.D
Acq: 21 Aug 2018 13:32

Tgt Ion:152 Resp: 53036
Ion Ratio Lower Upper
152 100
115 58.2 26.9 80.6
150 156.1 0.0 306.8



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

