

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059816.D
 Acq On : 16 Aug 2018 17:47
 Operator : VA/AP
 Sample : J4460-14
 Misc : 5.05g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081018-FL-014

Quant Time: Aug 17 06:20:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	262487	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	325782	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	243035	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	115582	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	154172	45.71	ug/l	-0.02
Spiked Amount			Recovery	=	91.42%	
35) Dibromofluoromethane	5.52	113	141023	49.67	ug/l	-0.02
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	8.69	98	288535	42.91	ug/l	-0.02
Spiked Amount			Recovery	=	85.82%	
62) 4-Bromofluorobenzene	11.91	95	109367	36.31	ug/l	-0.01
Spiked Amount			Recovery	=	72.62%	

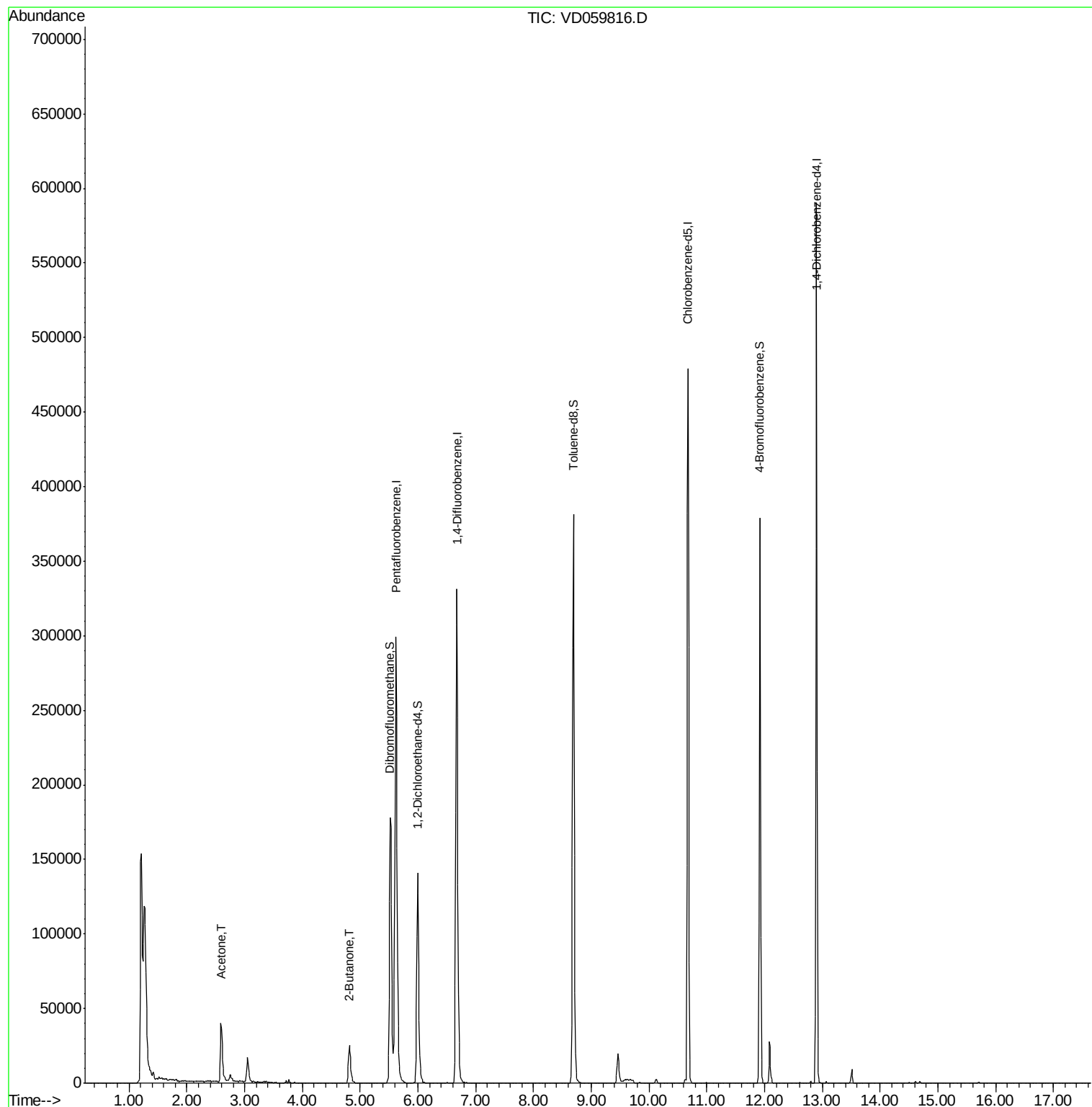
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.59	43	72911	136.99	ug/l	99
25) 2-Butanone	4.81	43	20319	24.94	ug/l	99

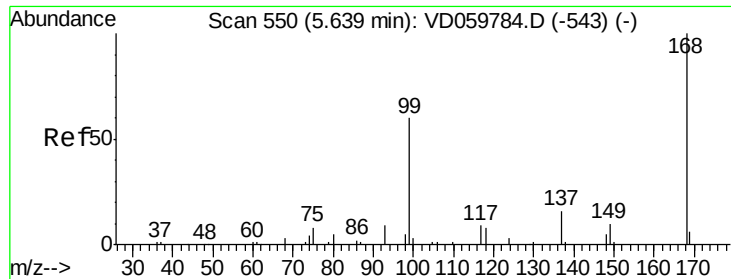
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.02 min

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Acq: 16 Aug 2018 17:47

Instrument :

MSVOA_D

ClientSampleId :

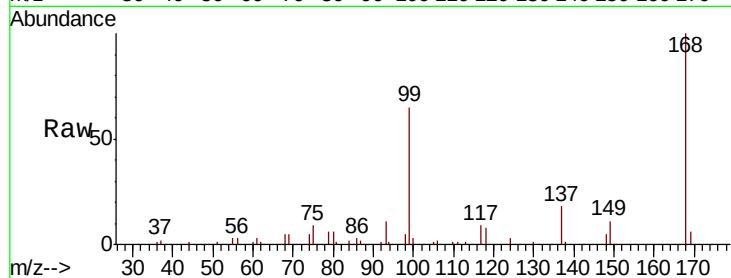
RA-081018-FL-014

Tot Ion:168 Resp: 262487

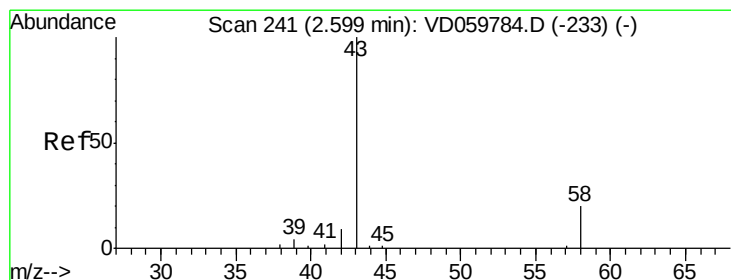
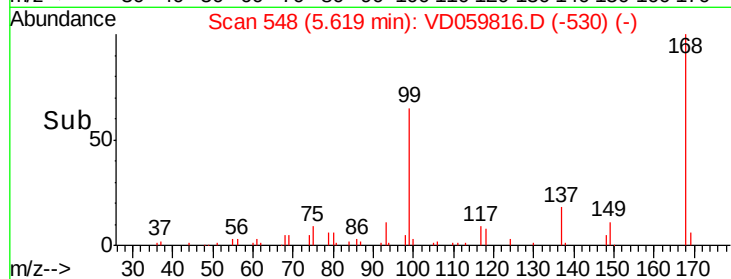
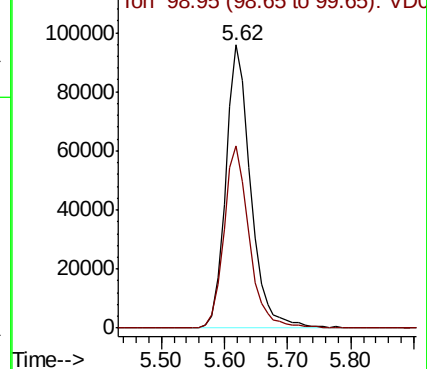
Ion Ratio Lower Upper

168 100

99 64.6 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 136.99 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD059816.D

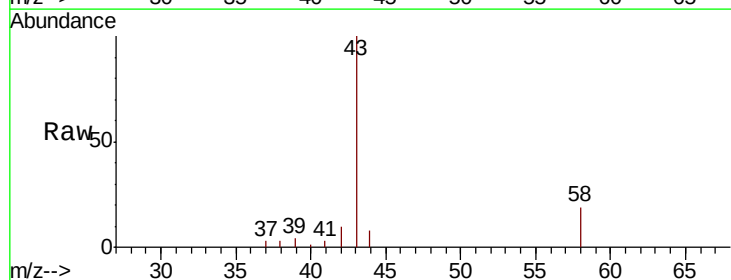
Acq: 16 Aug 2018 17:47

Tgt Ion: 43 Resp: 72911

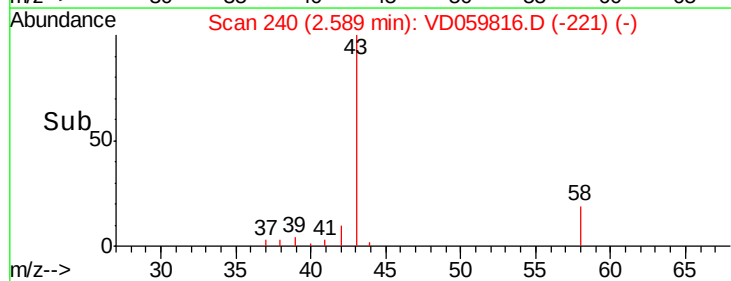
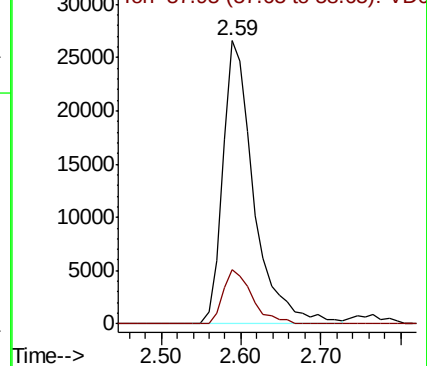
Ion Ratio Lower Upper

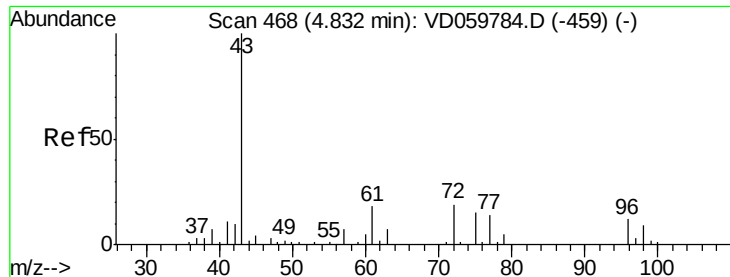
43 100

58 19.2 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC





#25

2-Butanone

Concen: 24.94 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

Instrument :

MSVOA_D

ClientSampleId :

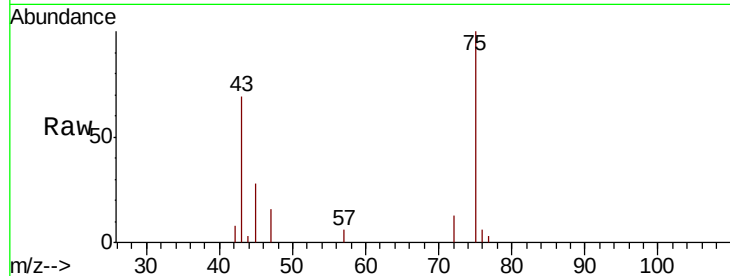
RA-081018-FL-014

Tot Ion: 43 Resp: 20319

Ion Ratio Lower Upper

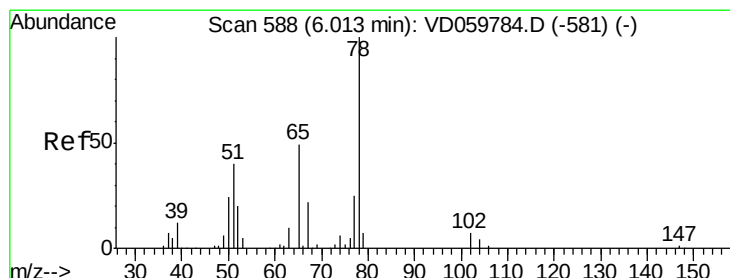
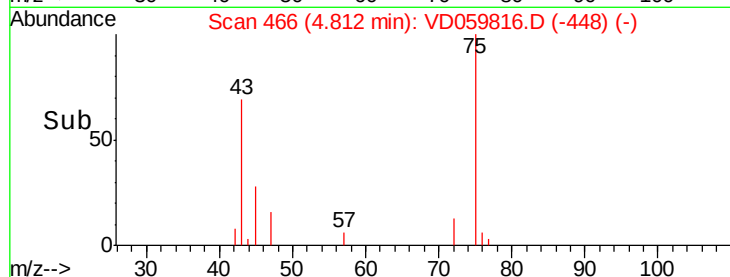
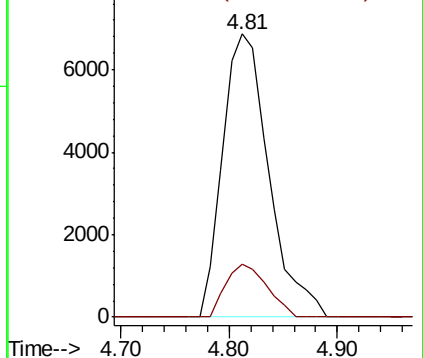
43 100

72 18.9 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 5.99 min Scan# 586

Delta R.T. -0.02 min

Lab File: VD059816.D

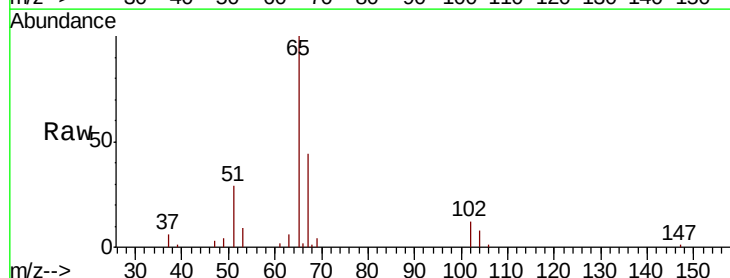
Acq: 16 Aug 2018 17:47

Tgt Ion: 65 Resp: 154172

Ion Ratio Lower Upper

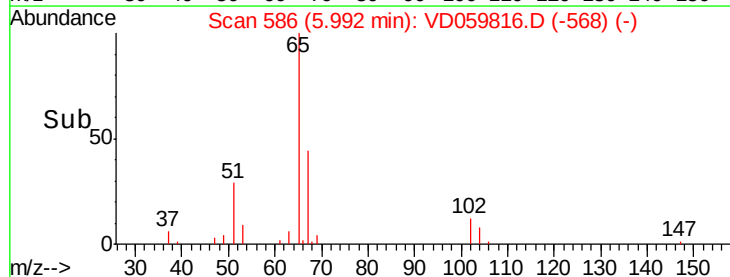
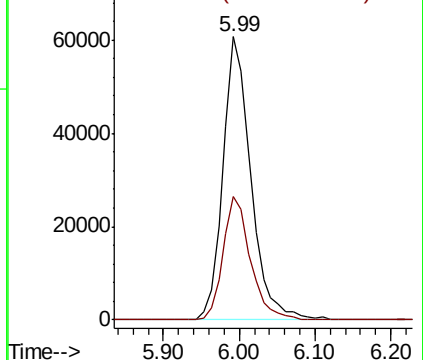
65 100

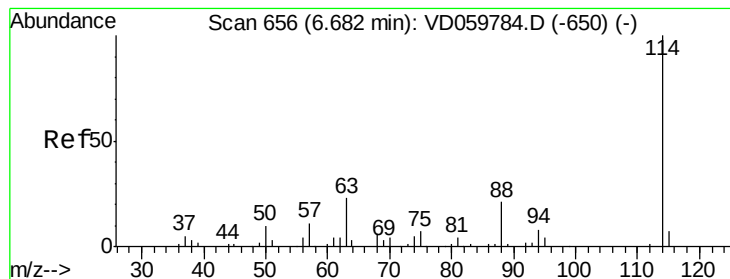
67 43.8 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.67 min Scan# 655

Delta R.T. -0.01 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

Instrument :

MSVOA_D

ClientSampleId :

RA-081018-FL-014

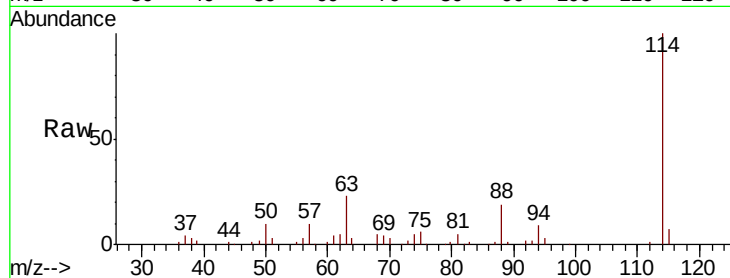
Tot Ion:114 Resp: 325782

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

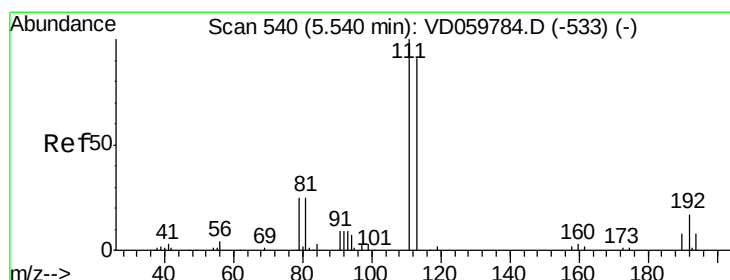
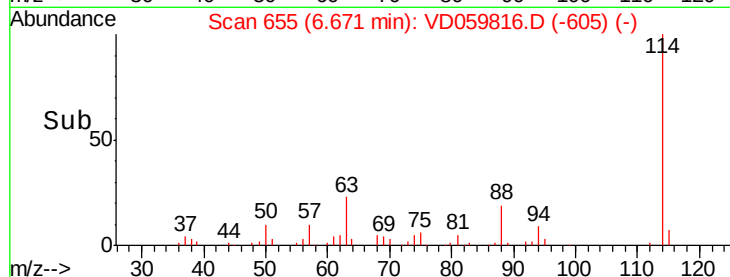
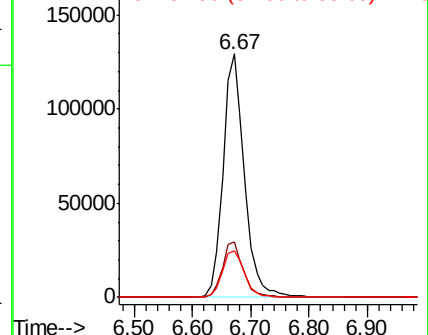
88 19.3 0.0 41.2



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: 5.52 min Scan# 538

Delta R.T. -0.02 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

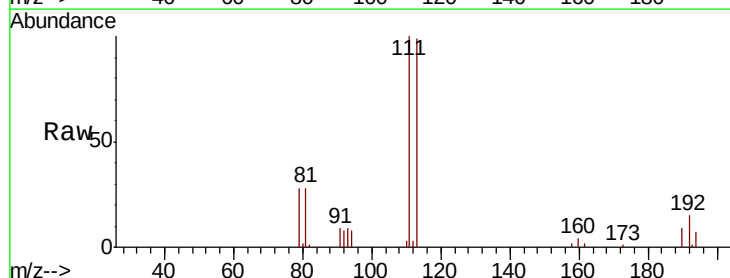
Tgt Ion:113 Resp: 141023

Ion Ratio Lower Upper

113 100

111 100.9 87.7 131.5

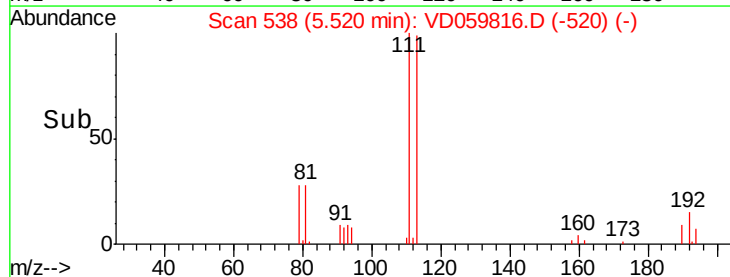
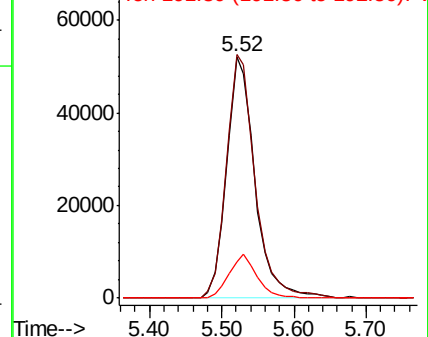
192 15.3 14.6 21.8

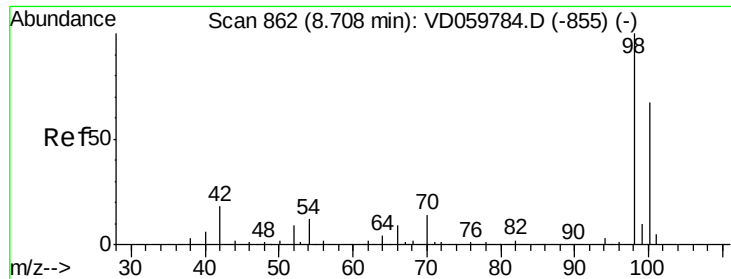


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

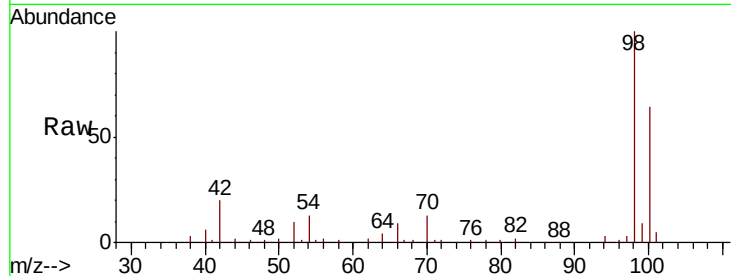




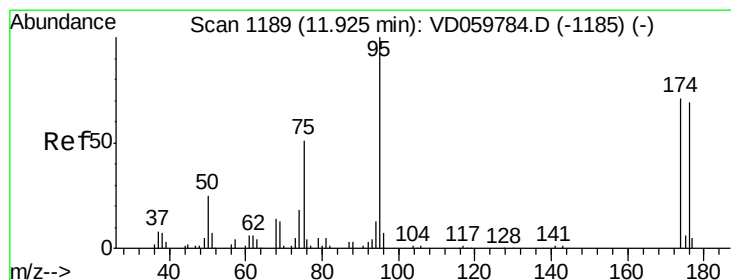
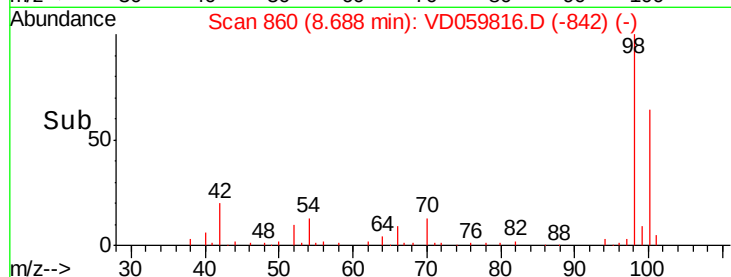
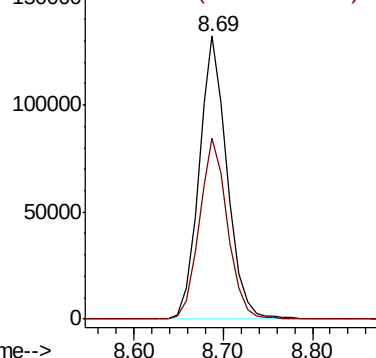
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

Instrument :
MSVOA_D
ClientSampleId :
RA-081018-FL-014

Tot Ion: 98 Resp: 288535
Ion Ratio Lower Upper
98 100
100 64.0 54.2 81.4

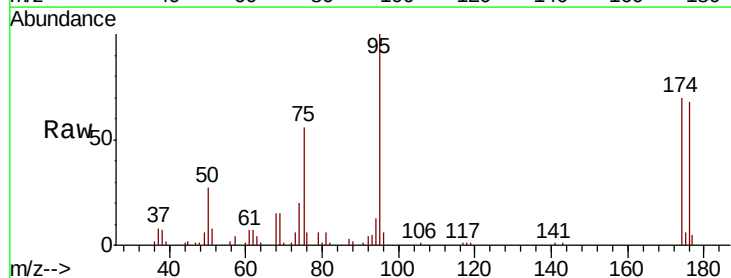


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

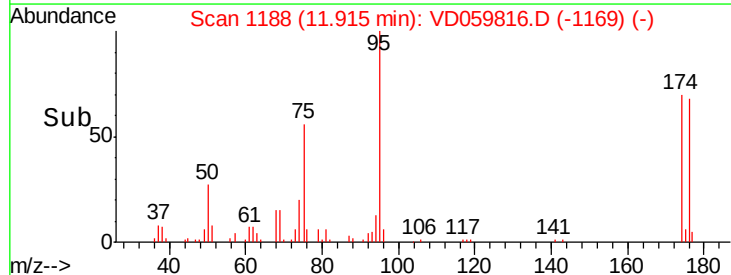
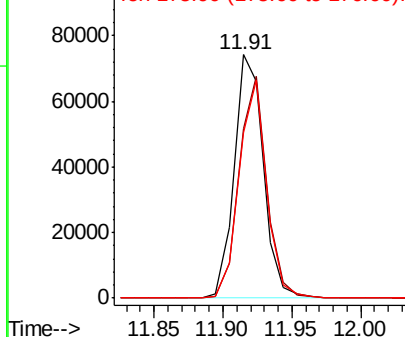


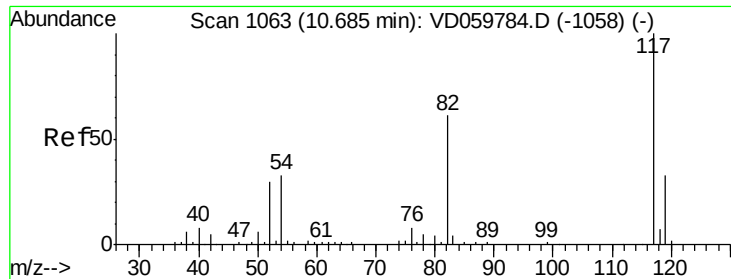
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.91 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

Tgt Ion: 95 Resp: 109367
Ion Ratio Lower Upper
95 100
174 69.6 0.0 142.2
176 67.8 0.0 137.4



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

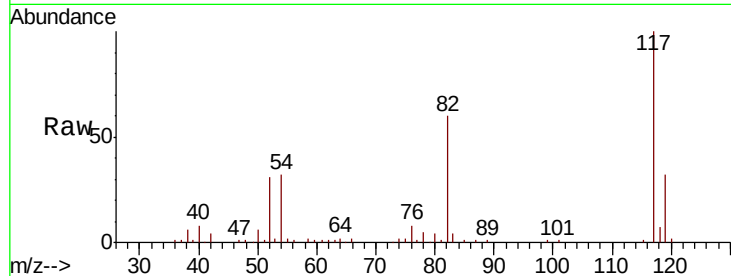




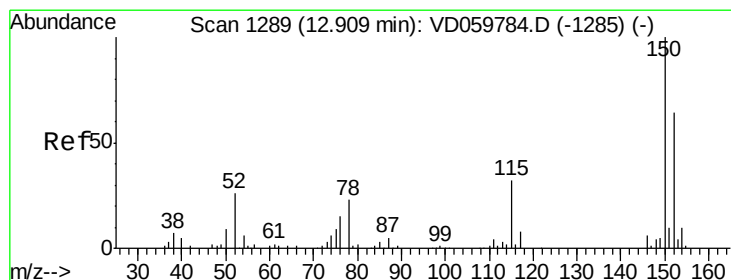
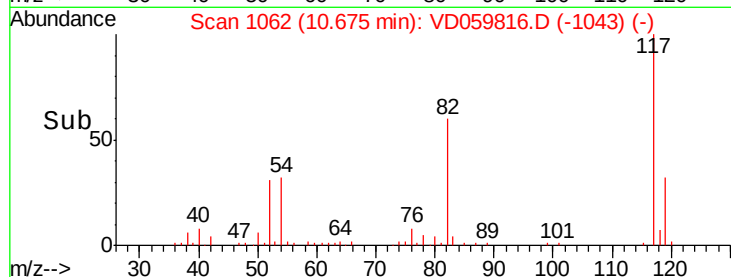
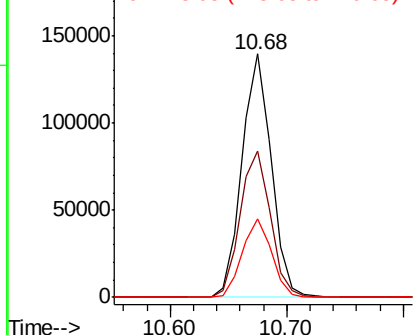
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

Instrument :
MSVOA_D
ClientSampleId :
RA-081018-FL-014

Tot Ion:117 Resp: 243035
Ion Ratio Lower Upper
117 100
82 59.9 49.0 73.6
119 32.4 26.2 39.2

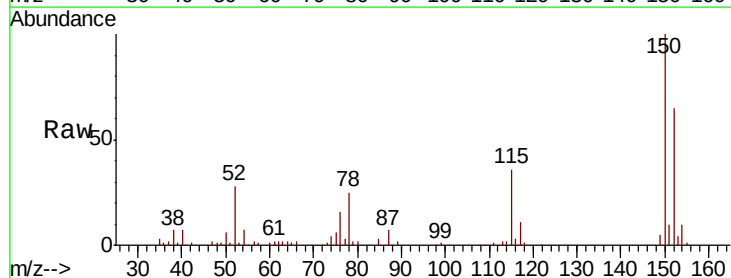


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

Tgt Ion:152 Resp: 115582
Ion Ratio Lower Upper
152 100
115 55.9 27.2 81.5
150 154.0 0.0 312.4



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

