

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058186.D
 Acq On : 18 Jun 2018 17:36
 Operator : VA/AP
 Sample : J3554-04
 Misc : 5.78g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-3(5.0)

Quant Time: Jun 19 07:02:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	667027	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	891222	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	694898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	371231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	386546	57.97	ug/l	-0.01
Spiked Amount			Recovery	=	115.94%	
35) Dibromofluoromethane	5.54	113	388839	56.39	ug/l	-0.01
Spiked Amount			Recovery	=	112.78%	
50) Toluene-d8	8.70	98	846882	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.93	95	367950	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	

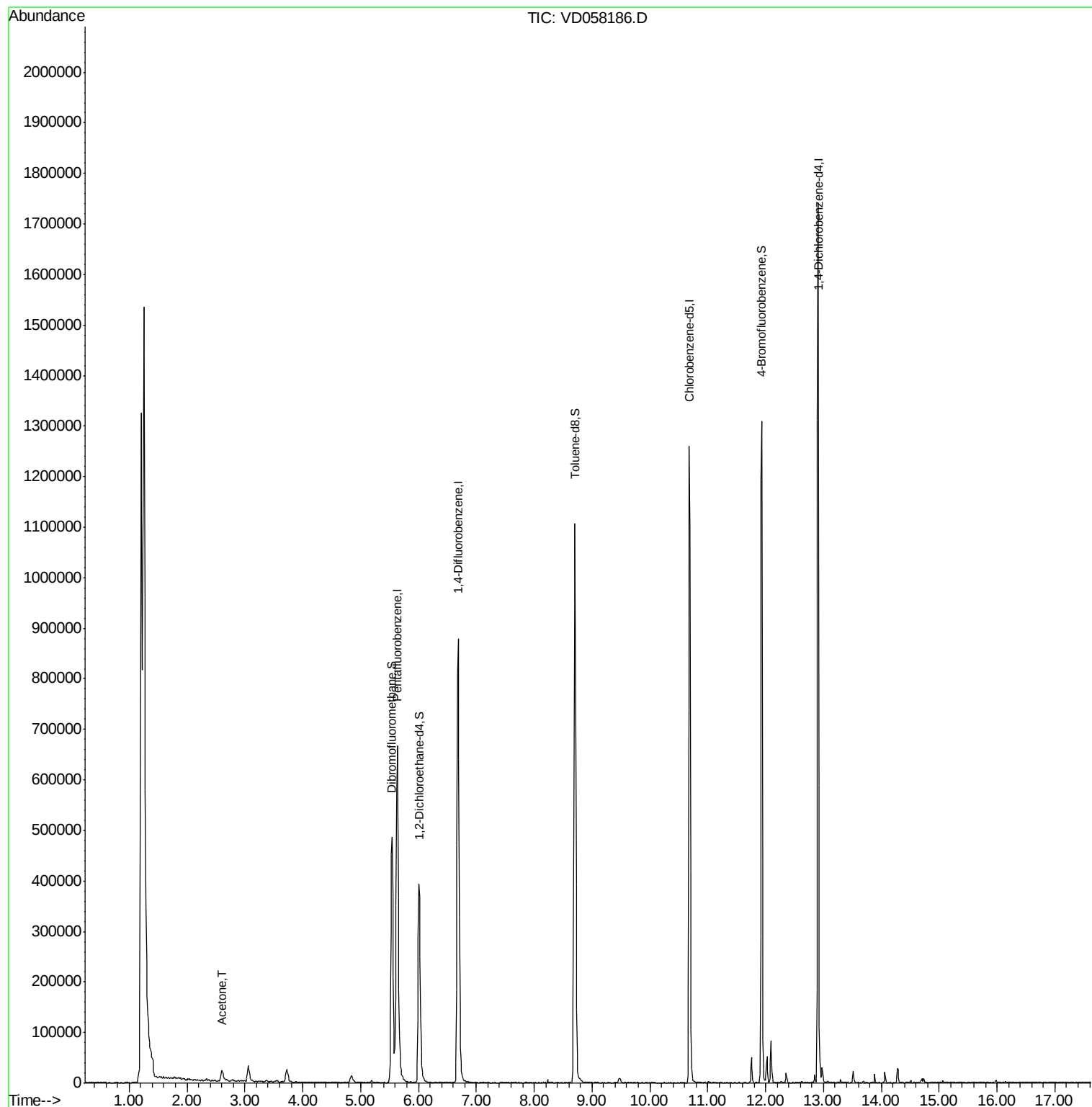
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	46297	48.19	ug/l	93

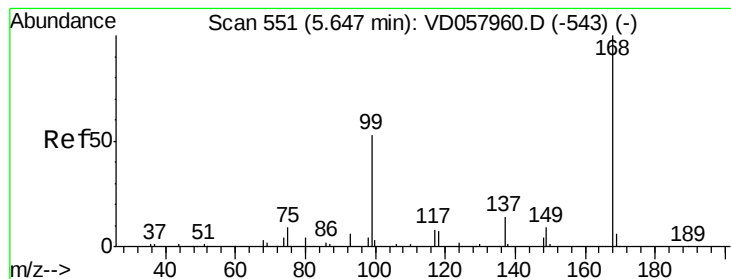
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD058186.D

Acq: 18 Jun 2018 17:36

Instrument :

MSVOA_D

ClientSampleId :

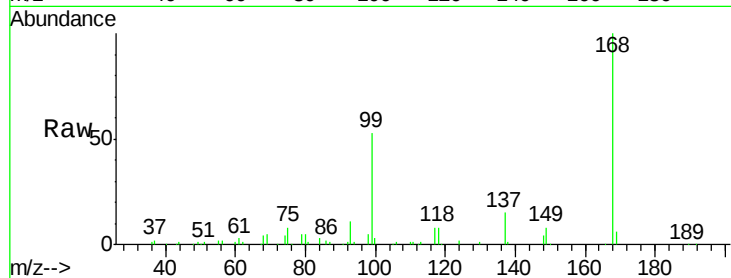
A-3(5.0)

Tot Ion:168 Resp: 667027

Ion Ratio Lower Upper

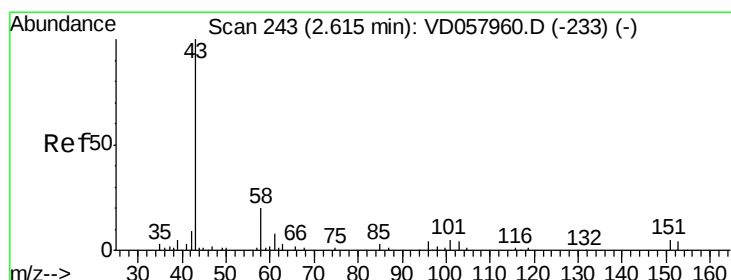
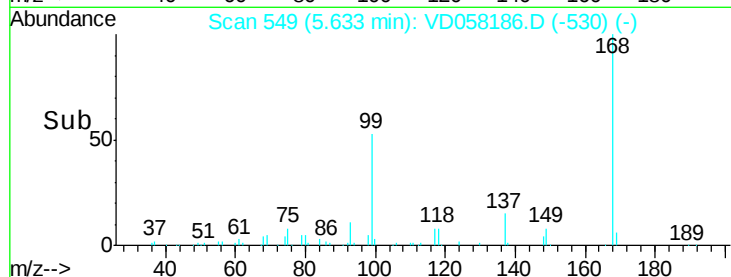
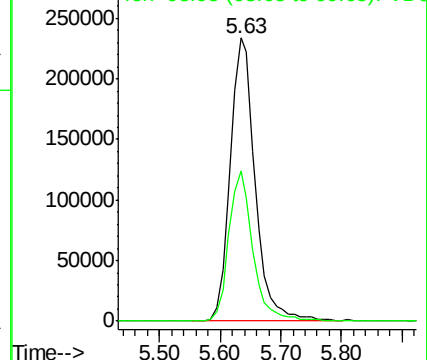
168 100

99 53.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 48.19 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058186.D

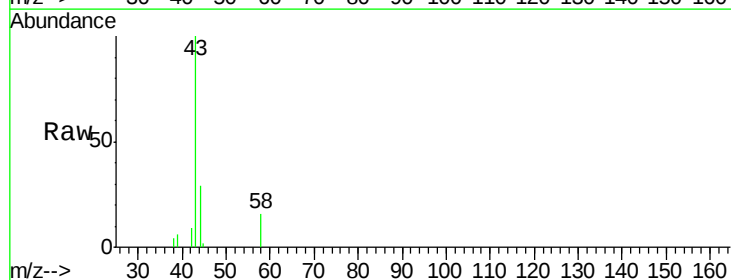
Acq: 18 Jun 2018 17:36

Tgt Ion: 43 Resp: 46297

Ion Ratio Lower Upper

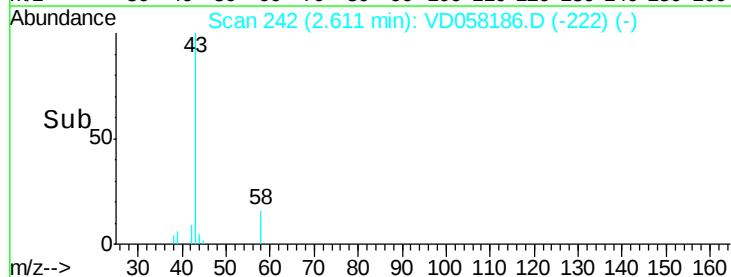
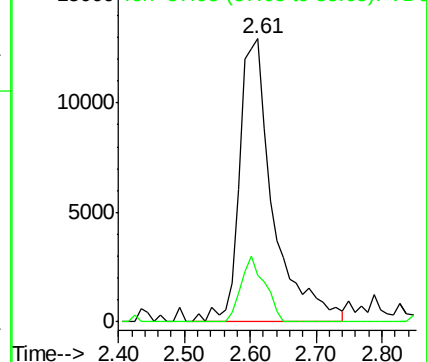
43 100

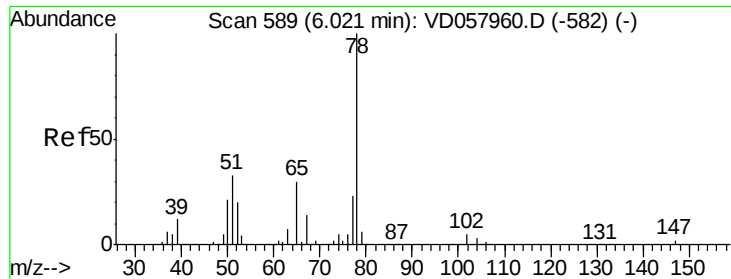
58 16.5 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD058186.D

Acq: 18 Jun 2018 17:36

Instrument :

MSVOA_D

ClientSampleId :

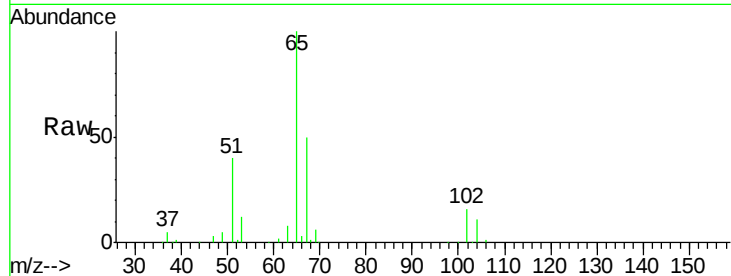
A-3(5.0)

Tot Ion: 65 Resp: 386546

Ion Ratio Lower Upper

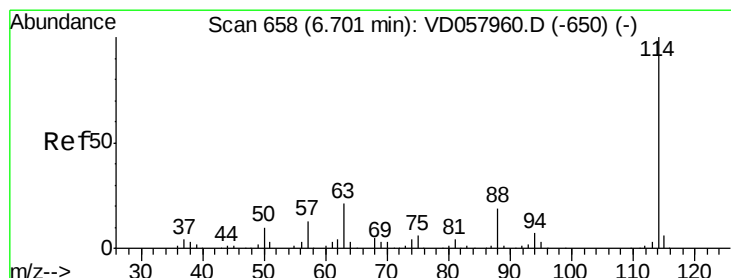
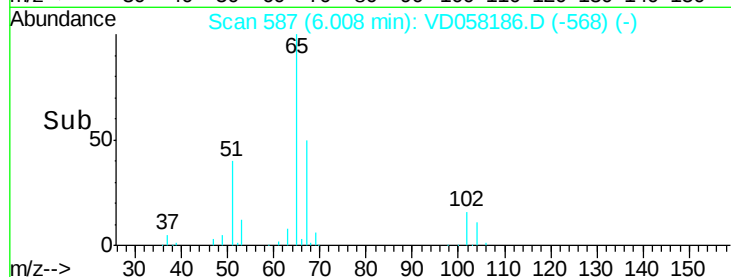
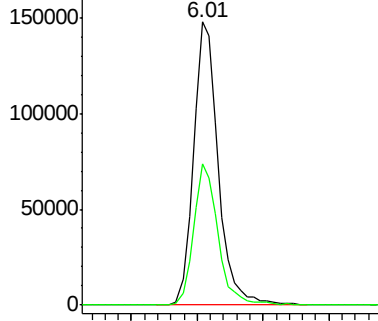
65 100

67 49.8 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD058186.D

Acq: 18 Jun 2018 17:36

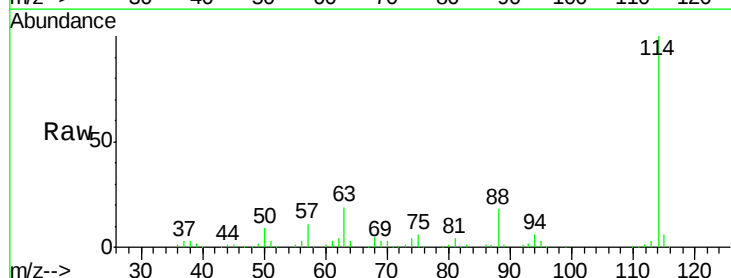
Tgt Ion: 114 Resp: 891222

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.8

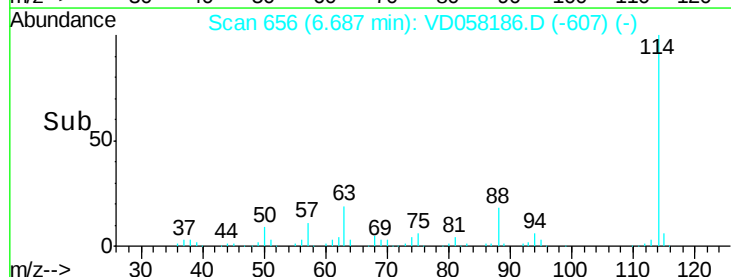
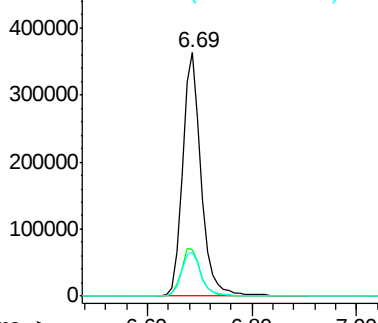
88 18.0 0.0 37.8

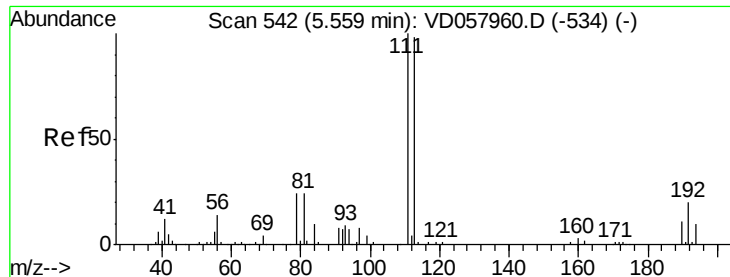


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058186.D

Acq: 18 Jun 2018 17:36

Instrument :

MSVOA_D

ClientSampleId :

A-3(5.0)

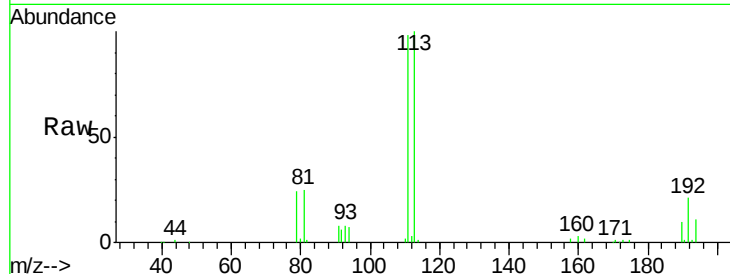
Tot Ion:113 Resp: 388839

Ion Ratio Lower Upper

113 100

111 97.5 81.5 122.3

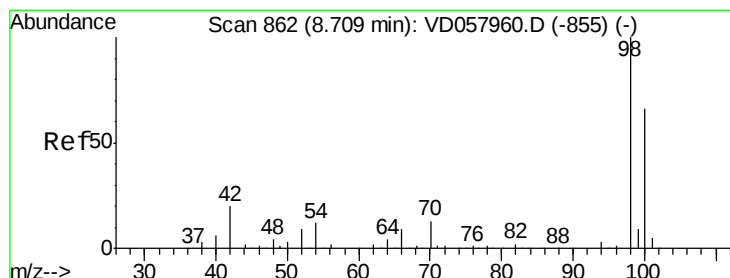
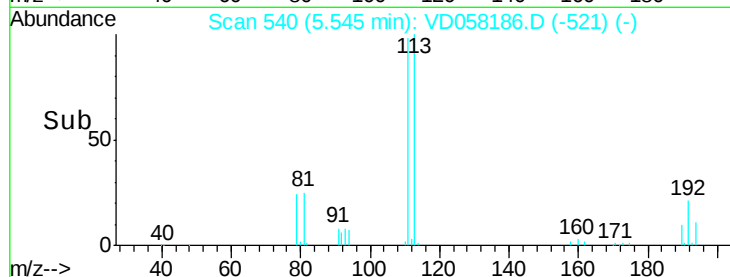
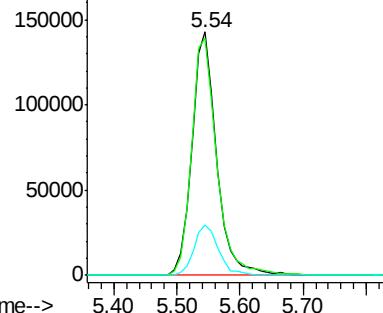
192 20.9 16.4 24.6



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: 8.70 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD058186.D

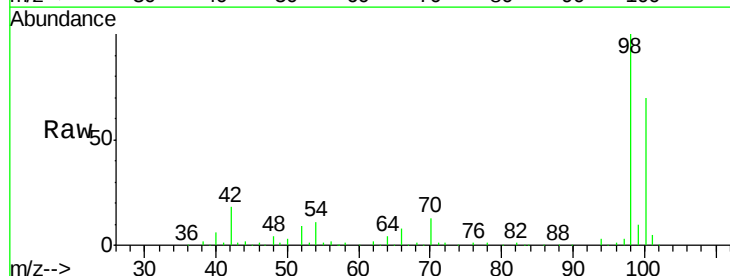
Acq: 18 Jun 2018 17:36

Tgt Ion: 98 Resp: 846882

Ion Ratio Lower Upper

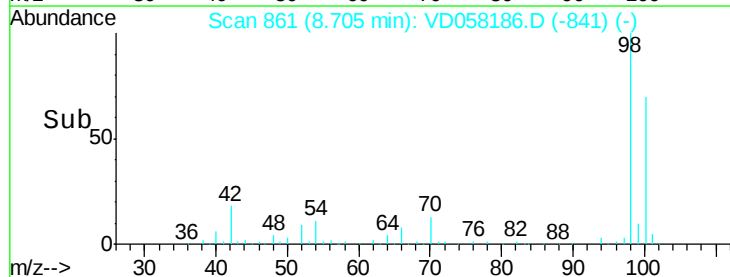
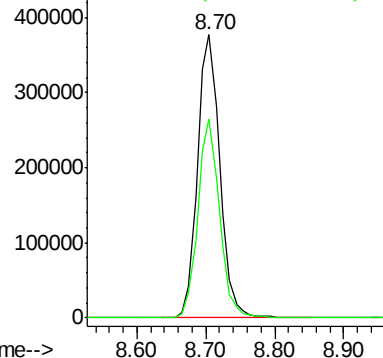
98 100

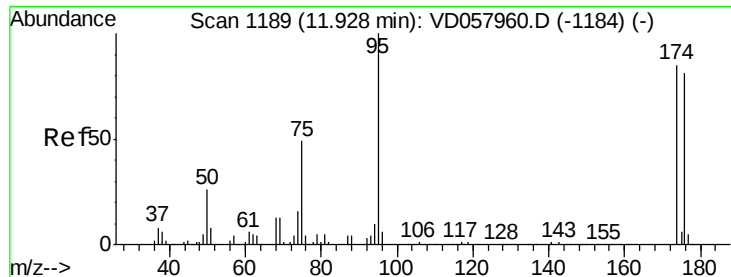
100 70.4 53.4 80.0



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: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058186.D

Acq: 18 Jun 2018 17:36

Instrument :

MSVOA_D

ClientSampleId :

A-3(5.0)

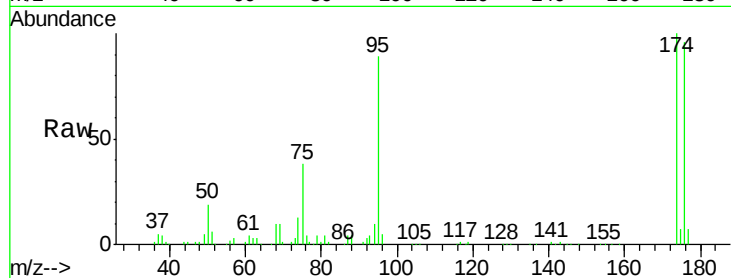
Tot Ion: 95 Resp: 367950

Ion Ratio Lower Upper

95 100

174 112.9 0.0 169.4

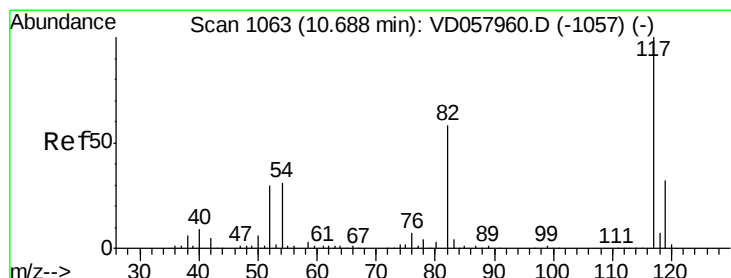
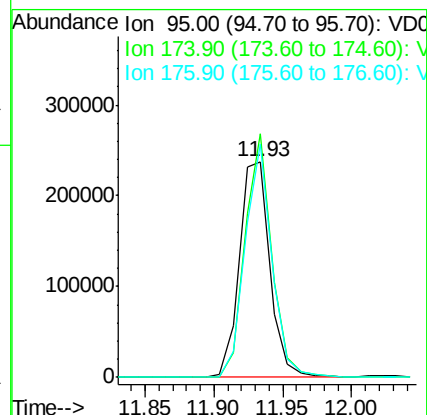
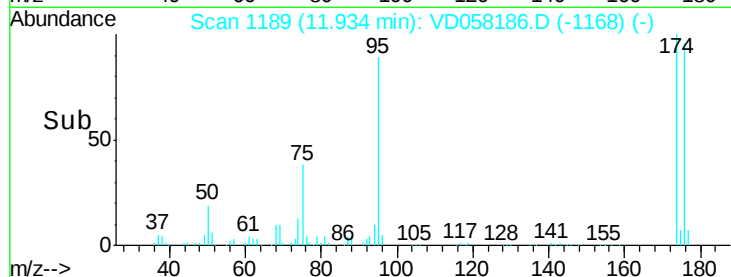
176 108.1 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

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. -0.00 min

Lab File: VD058186.D

Acq: 18 Jun 2018 17:36

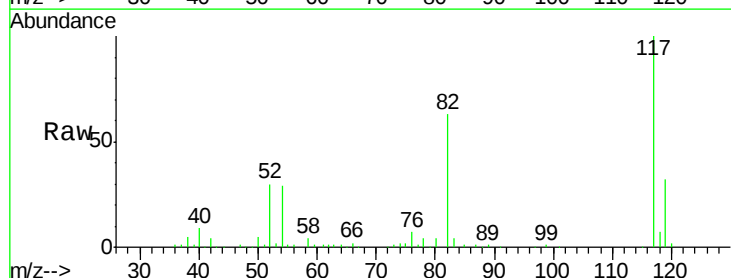
Tgt Ion: 117 Resp: 694898

Ion Ratio Lower Upper

117 100

82 62.6 46.8 70.2

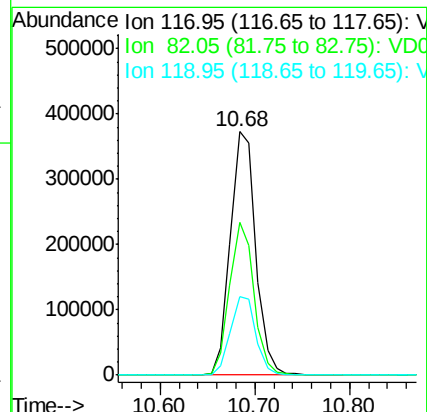
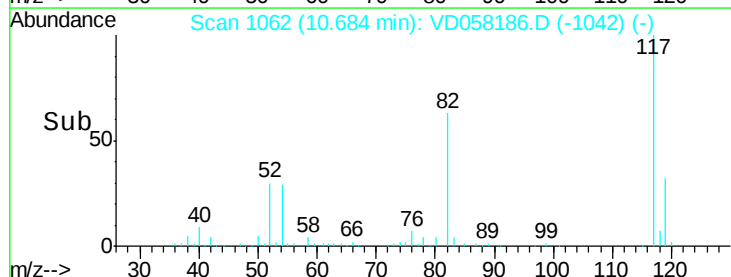
119 32.1 25.8 38.6

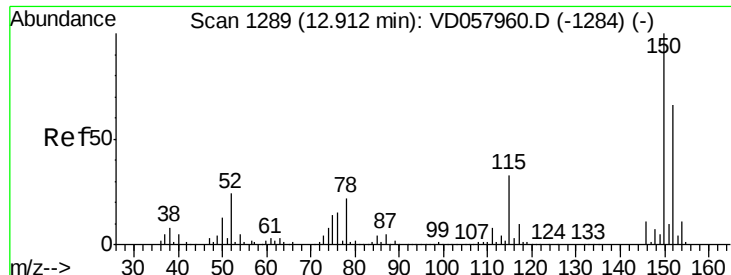


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058186.D

Acq: 18 Jun 2018 17:36

Instrument :

MSVOA_D

ClientSampleId :

A-3(5.0)

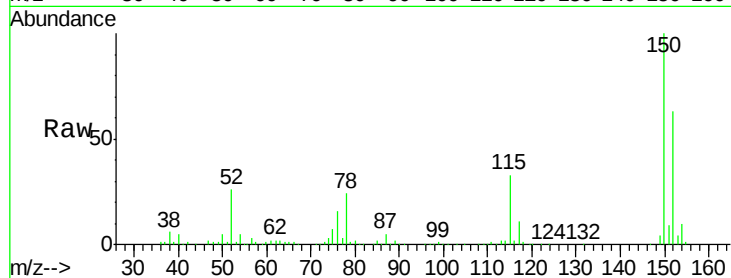
Tot Ion:152 Resp: 371231

Ion Ratio Lower Upper

152 100

115 52.4 25.6 76.6

150 158.6 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

