

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059454.D
 Acq On : 27 Jun 2018 19:44
 Operator : VA/AP
 Sample : J3629-03RE
 Misc : 6.23g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C2-03RE

Quant Time: Jun 28 04:17:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	506967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	665020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	495180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	184213	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	232385	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	
35) Dibromofluoromethane	5.55	113	240058	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	
50) Toluene-d8	8.71	98	438456	34.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.24%	
62) 4-Bromofluorobenzene	11.93	95	163480	31.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.08%	

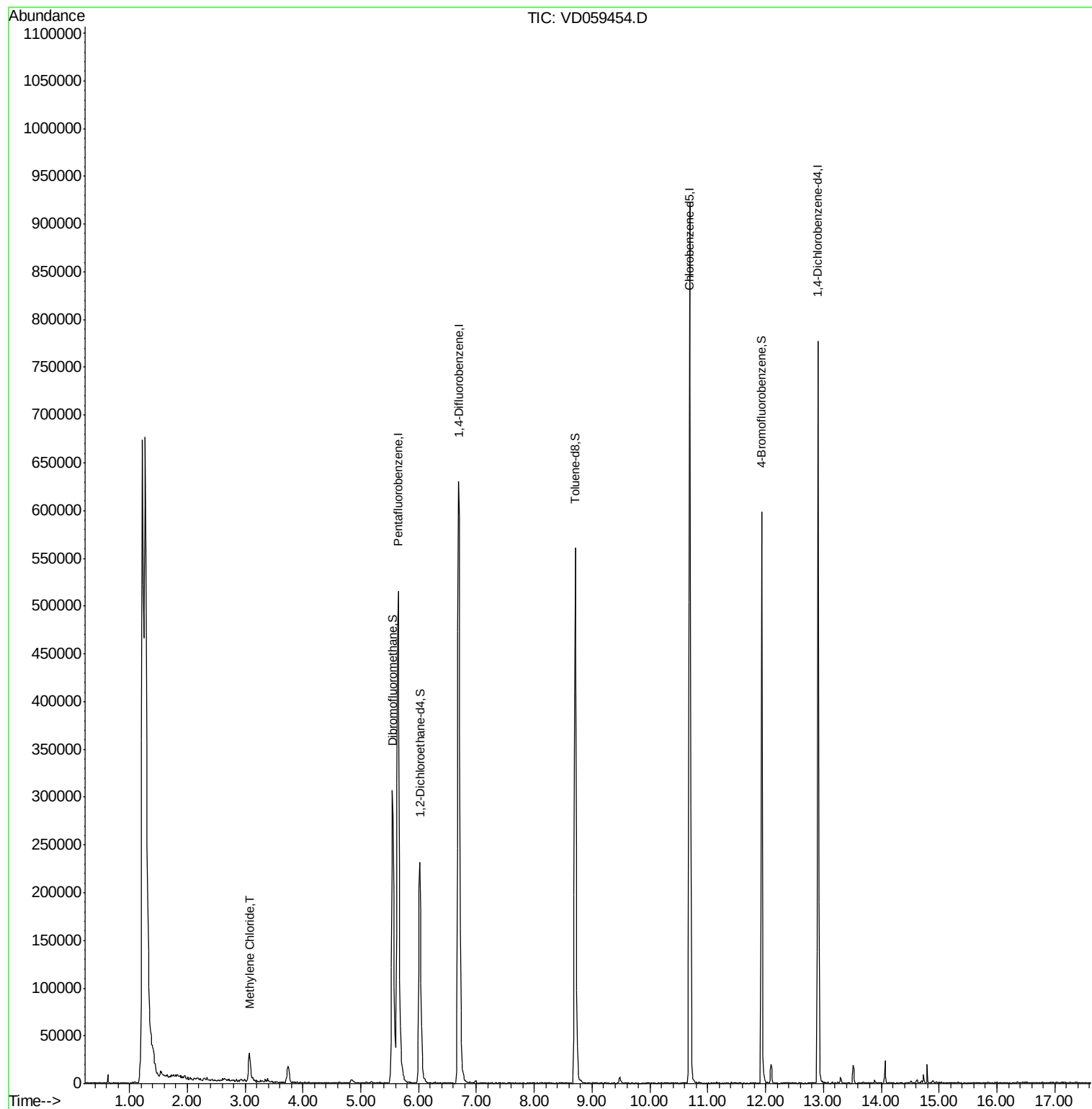
Target Compounds						Qvalue
20) Methylene Chloride	3.08	84	14165	5.59	ug/l	# 82

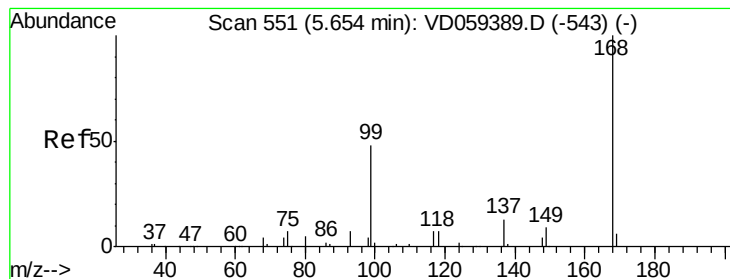
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059454.D

Acq: 27 Jun 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

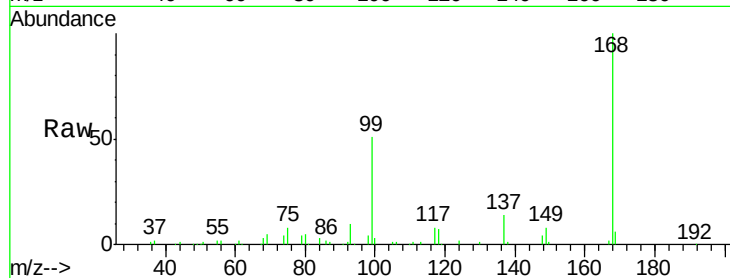
A0C2-03RE

Tot Ion:168 Resp: 506967

Ion Ratio Lower Upper

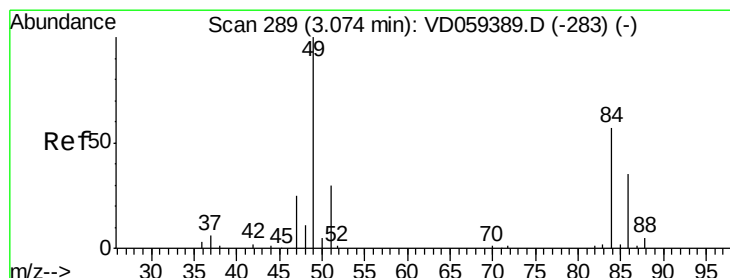
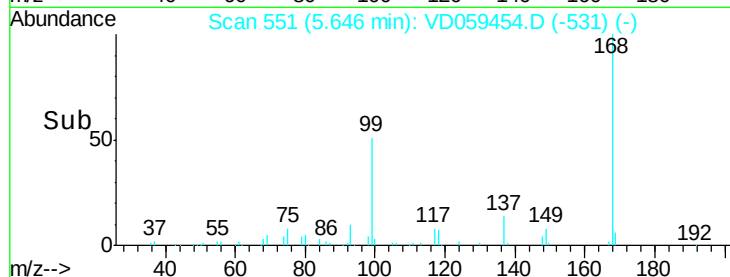
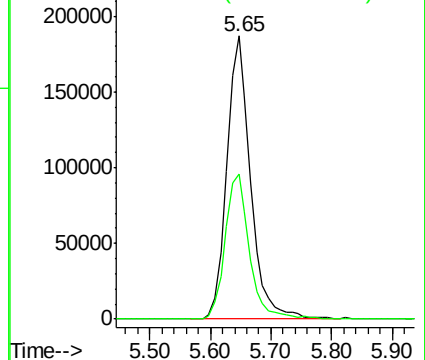
168 100

99 51.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 5.59 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.00 min

Lab File: VD059454.D

Acq: 27 Jun 2018 19:44

Tgt Ion: 84 Resp: 14165

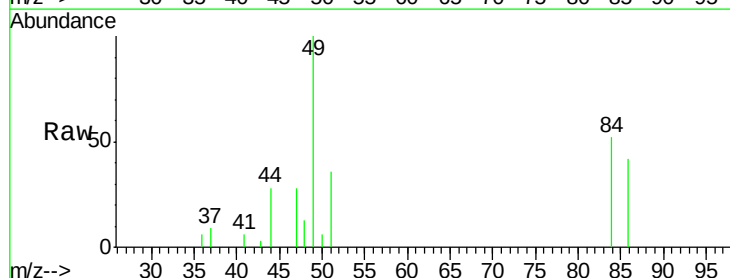
Ion Ratio Lower Upper

84 100

49 193.9 140.3 210.5

51 69.5 41.6 62.4#

86 81.8 49.4 74.2#

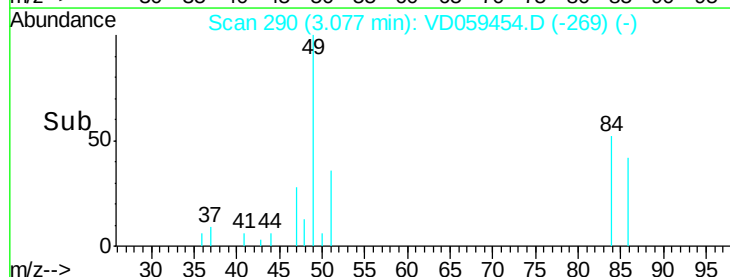
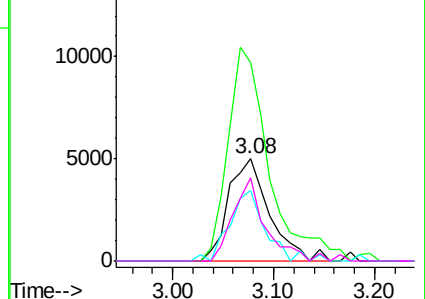


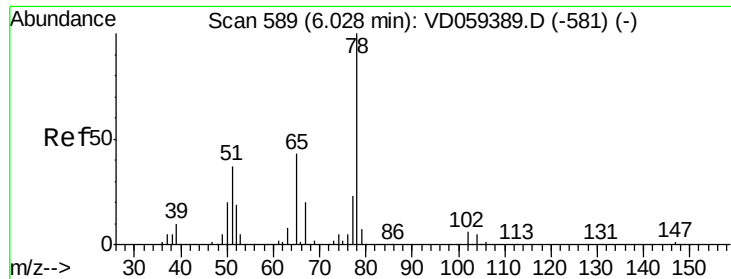
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

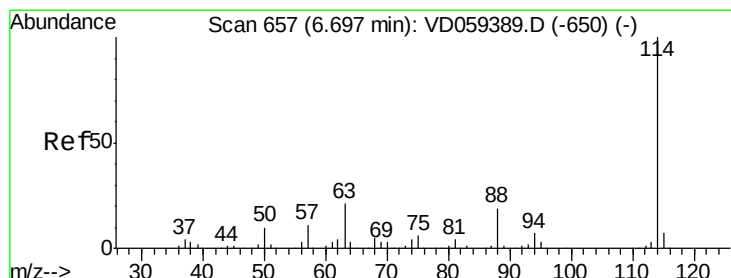
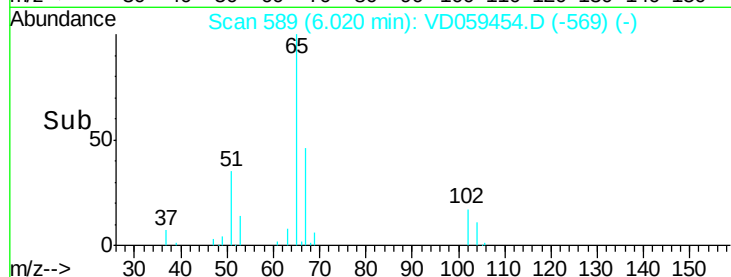
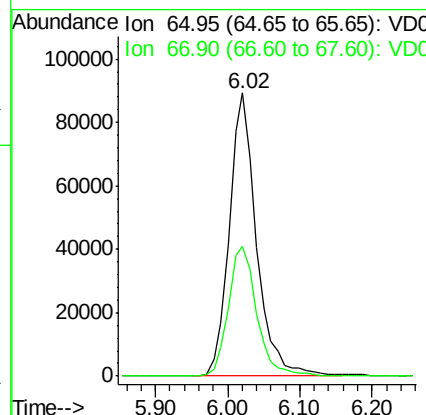
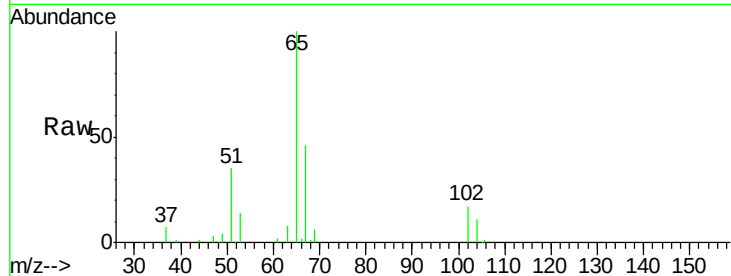




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059454.D
 Acq: 27 Jun 2018 19:44

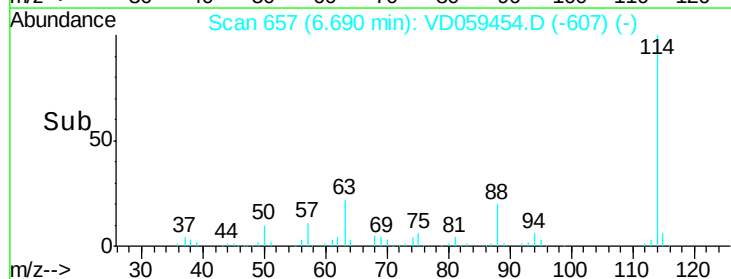
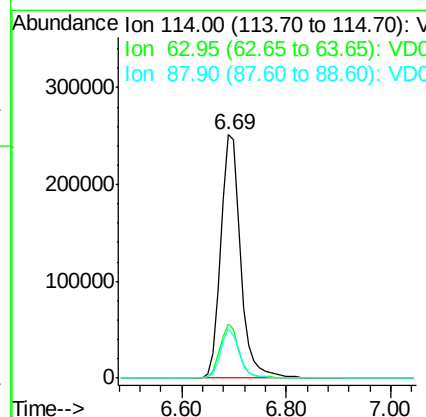
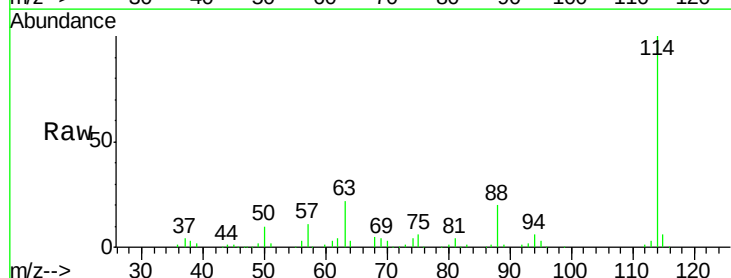
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C2-03RE

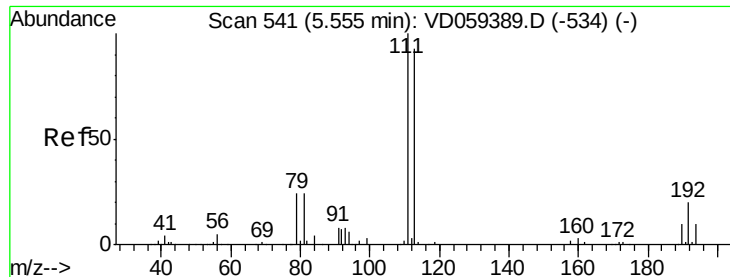
Tot Ion: 65 Resp: 232385
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059454.D
 Acq: 27 Jun 2018 19:44

Tgt Ion: 114 Resp: 665020
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.4
 88 20.2 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059454.D

Acq: 27 Jun 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

A0C2-03RE

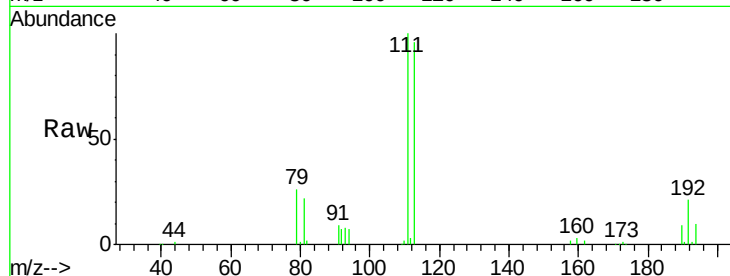
Tot Ion:113 Resp: 240058

Ion Ratio Lower Upper

113 100

111 104.5 85.7 128.5

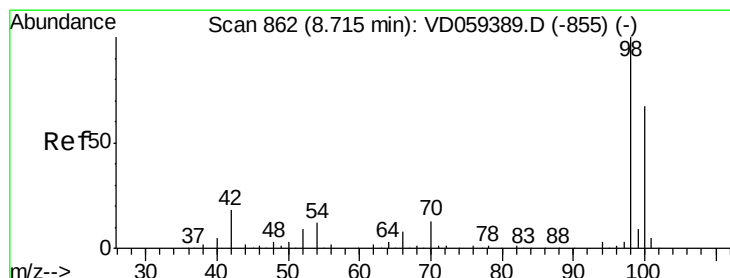
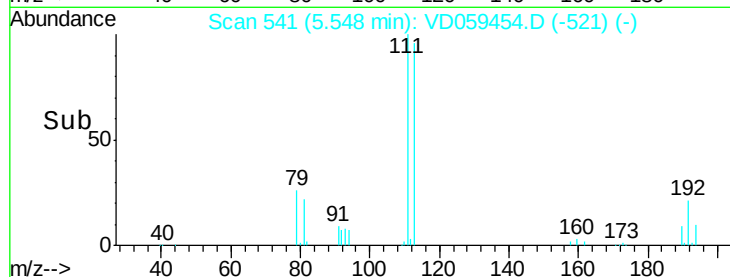
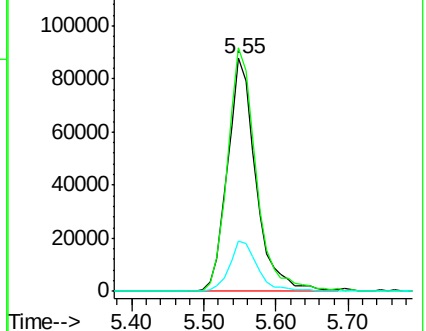
192 21.7 16.9 25.3



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: 8.71 min Scan# 862

Delta R.T. -0.01 min

Lab File: VD059454.D

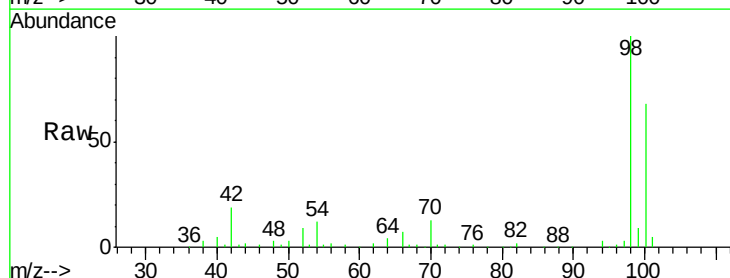
Acq: 27 Jun 2018 19:44

Tgt Ion: 98 Resp: 438456

Ion Ratio Lower Upper

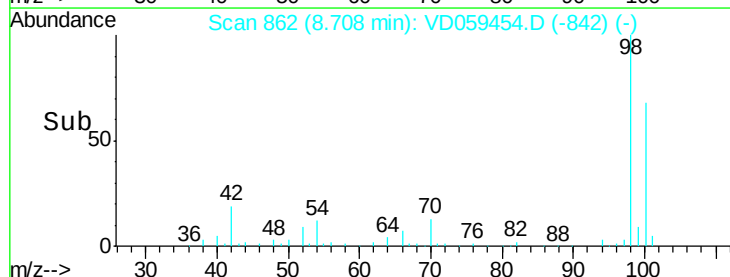
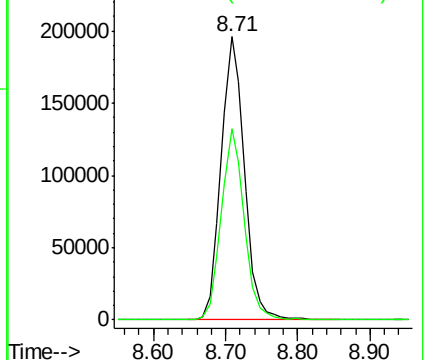
98 100

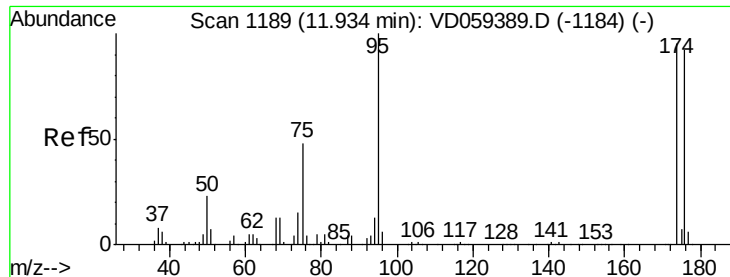
100 67.6 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

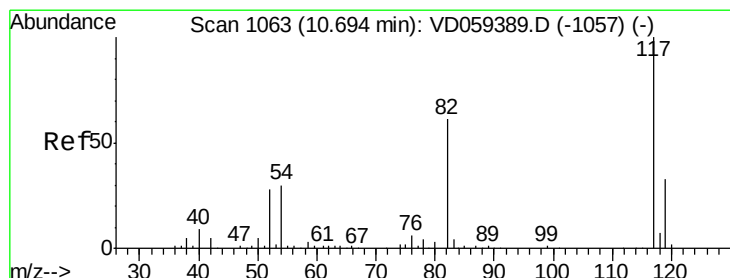
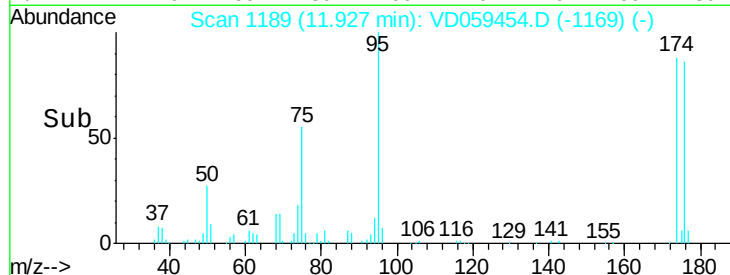
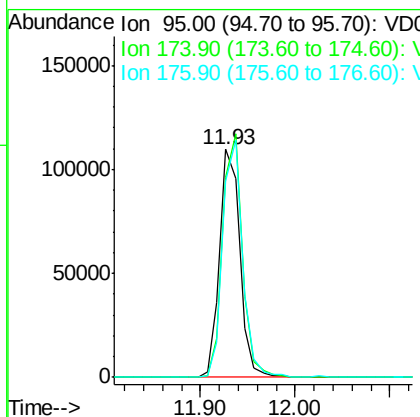
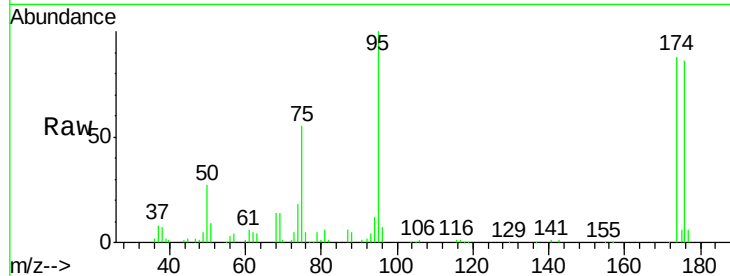




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059454.D
Acq: 27 Jun 2018 19:44

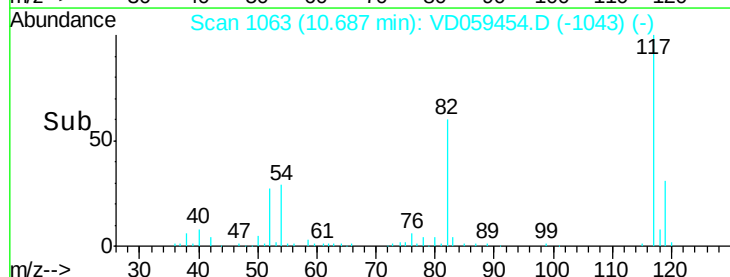
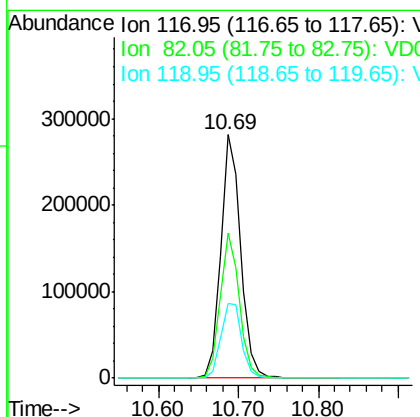
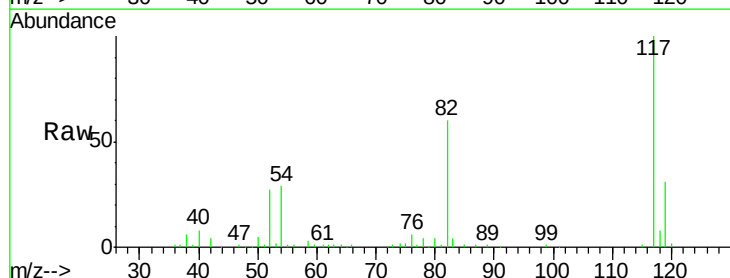
Instrument :
MSVOA_D
ClientSampleId :
A0C2-03RE

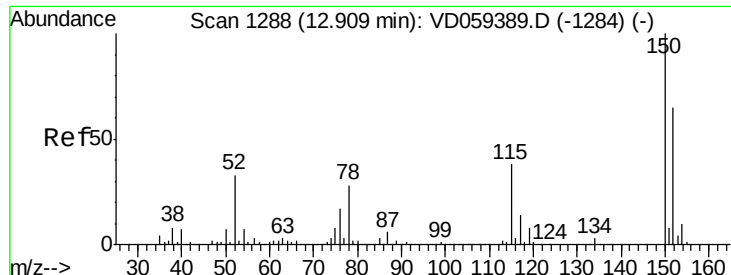
Tot Ion: 95 Resp: 163480
Ion Ratio Lower Upper
95 100
174 87.8 0.0 190.4
176 86.4 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059454.D
Acq: 27 Jun 2018 19:44

Tgt Ion: 117 Resp: 495180
Ion Ratio Lower Upper
117 100
82 59.6 49.0 73.6
119 30.5 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059454.D

Acq: 27 Jun 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

A0C2-03RE

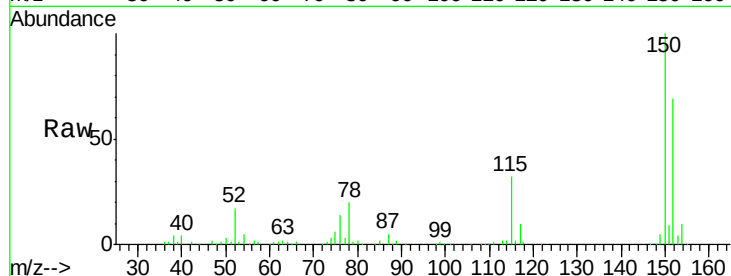
Tot Ion:152 Resp: 184213

Ion Ratio Lower Upper

152 100

115 46.4 29.4 88.3

150 144.9 0.0 308.2



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

