

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059456.D
 Acq On : 27 Jun 2018 20:41
 Operator : VA/AP
 Sample : J3629-06RE
 Misc : 6.53g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-01RE

Quant Time: Jun 28 04:32:31 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	587562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	804233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	586507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	208063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	244644	40.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	81.42%		
35) Dibromofluoromethane	5.55	113	263424	40.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	80.42%		
50) Toluene-d8	8.71	98	501118	32.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	65.44%		
62) 4-Bromofluorobenzene	11.93	95	183318	28.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	57.56%		

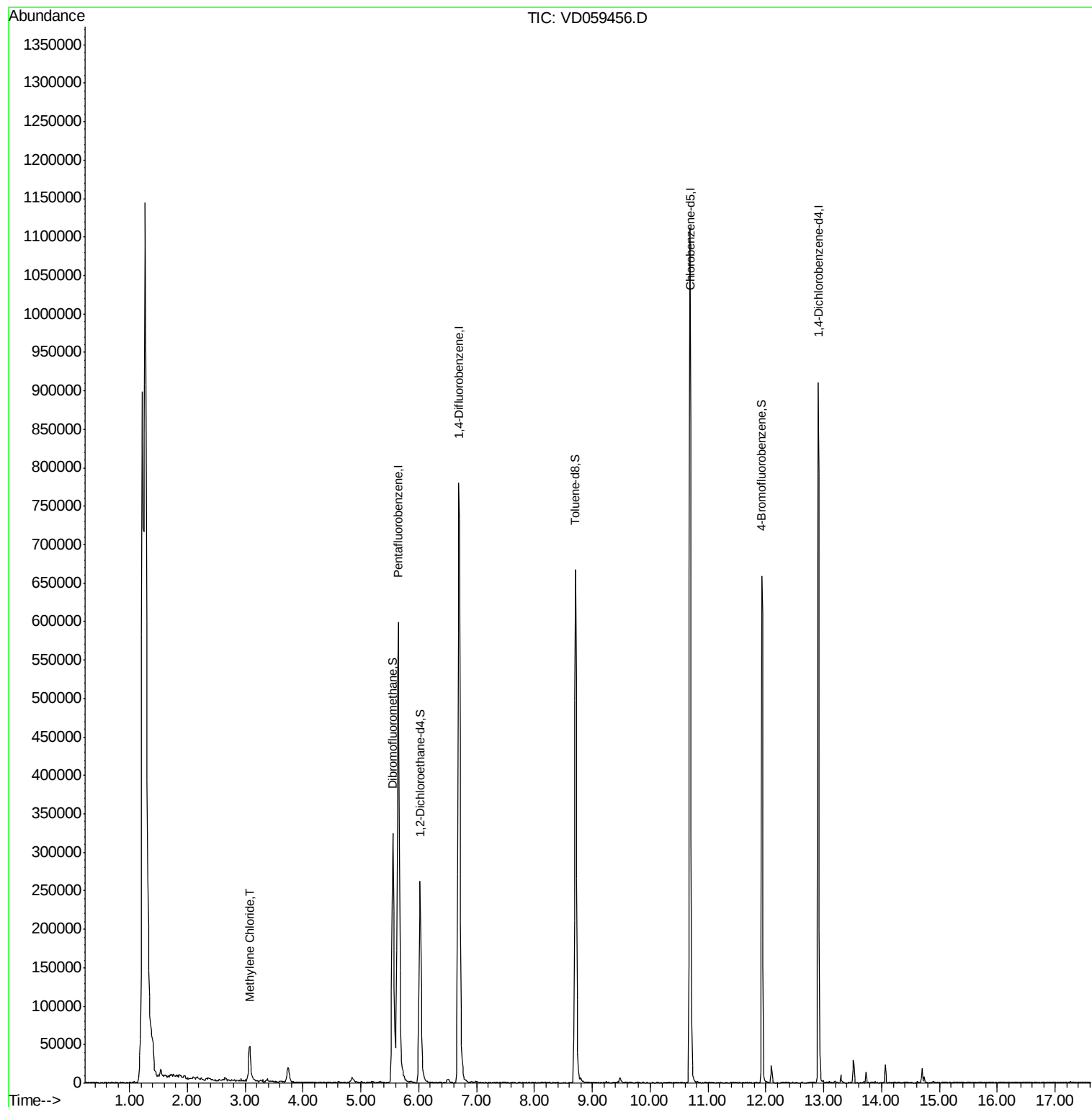
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.07	84	24041	9.41	ug/l	97

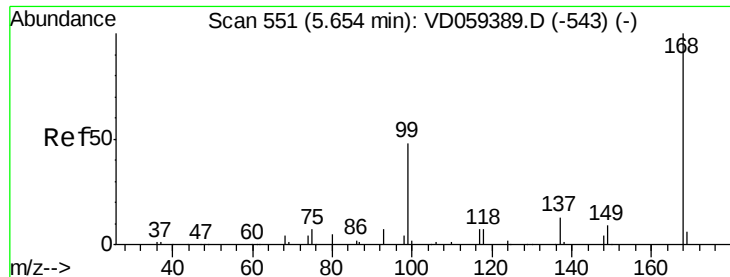
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD059456.D

Acq: 27 Jun 2018 20:41

Instrument :

MSVOA_D

ClientSampleId :

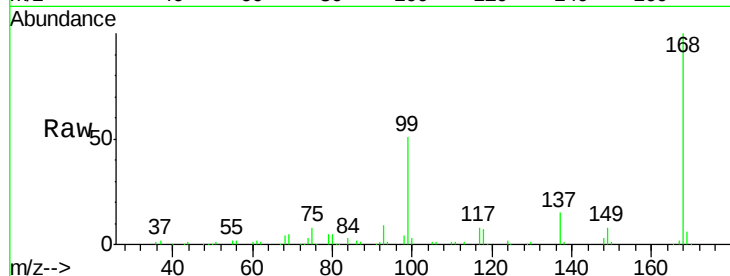
A0C10-01RE

Tot Ion:168 Resp: 587562

Ion Ratio Lower Upper

168 100

99 50.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

250000

200000

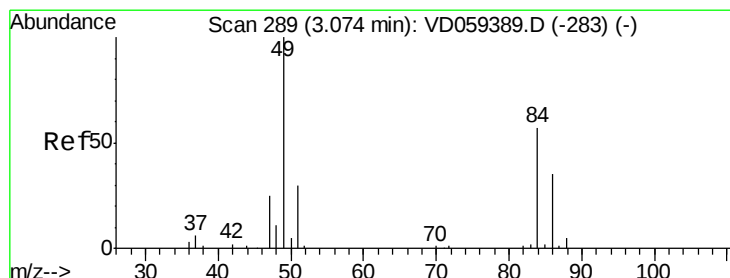
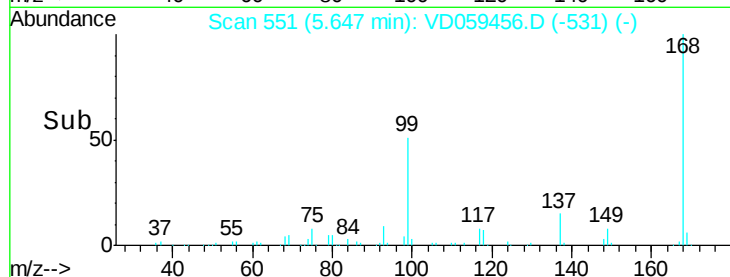
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 9.41 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD059456.D

Acq: 27 Jun 2018 20:41

Tgt Ion: 84 Resp: 24041

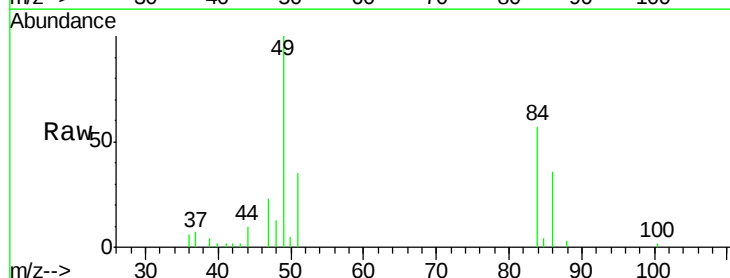
Ion Ratio Lower Upper

84 100

49 175.4 140.3 210.5

51 61.7 41.6 62.4

86 63.8 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

20000

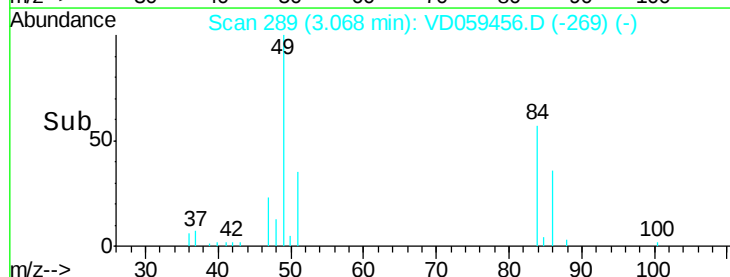
15000

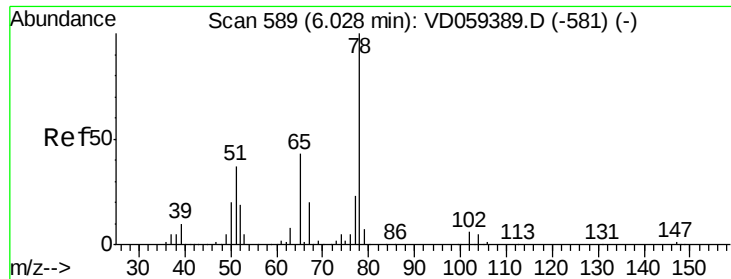
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5000

0

Time-->

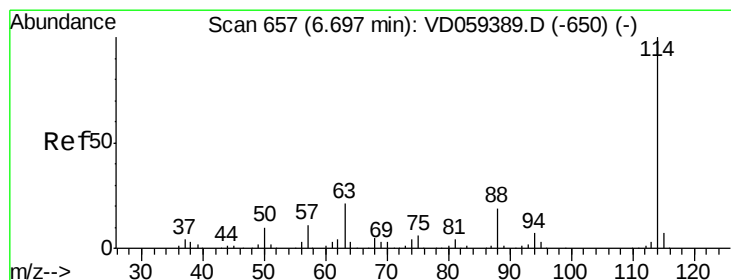
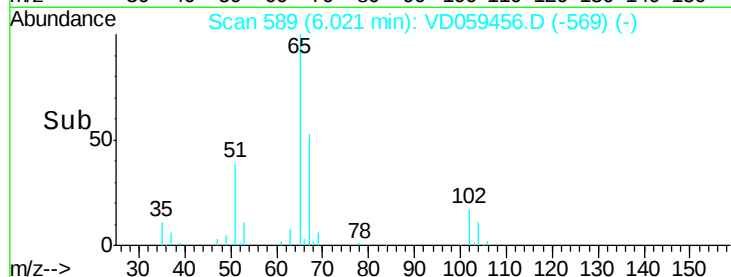
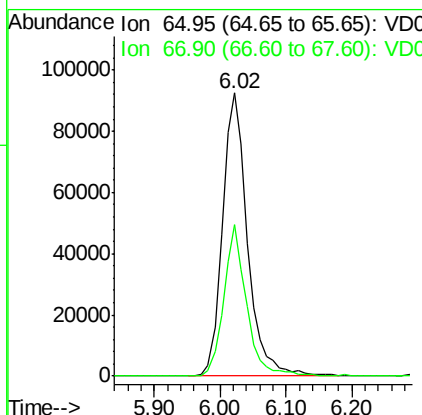
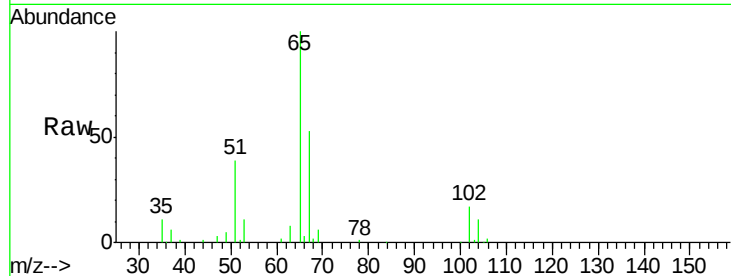




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059456.D
 Acq: 27 Jun 2018 20:41

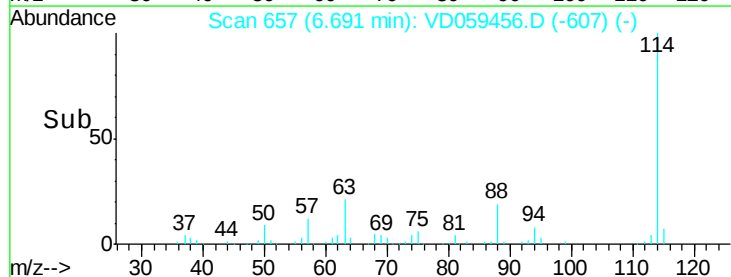
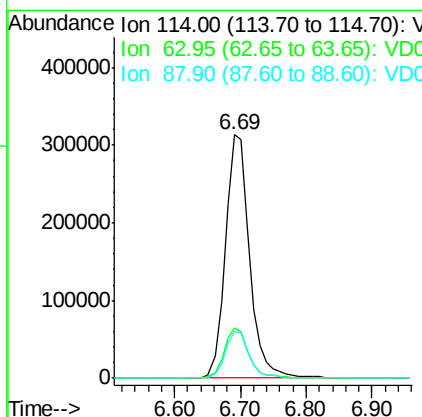
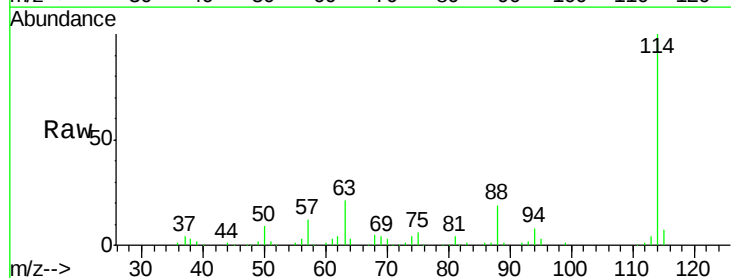
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-01RE

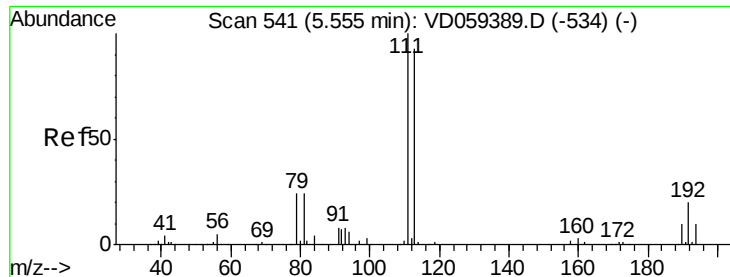
Tot Ion: 65 Resp: 244644
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059456.D
 Acq: 27 Jun 2018 20:41

Tgt Ion: 114 Resp: 804233
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 19.3 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: VD059456.D

Acq: 27 Jun 2018 20:41

Instrument :

MSVOA_D

ClientSampleId :

A0C10-01RE

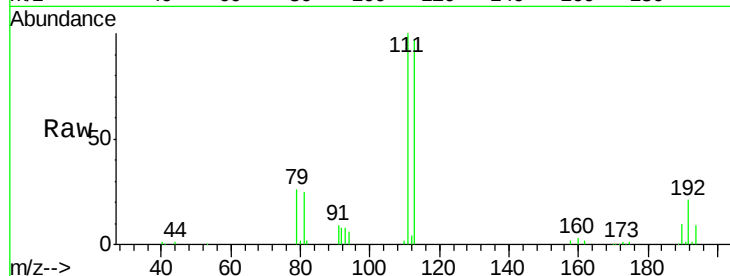
Tot Ion:113 Resp: 263424

Ion Ratio Lower Upper

113 100

111 103.5 85.7 128.5

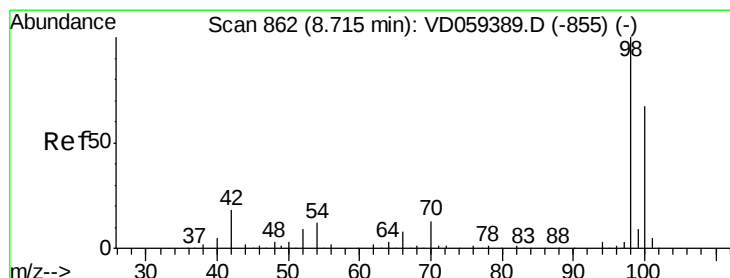
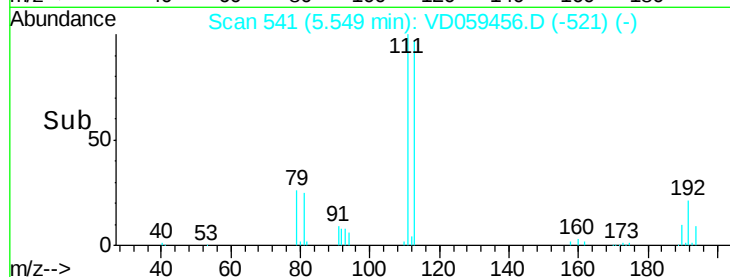
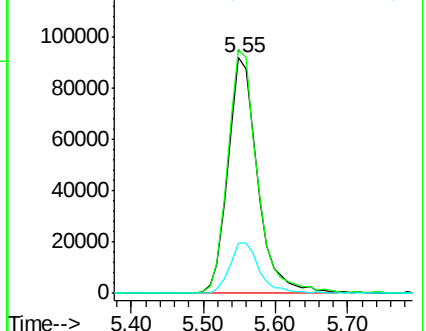
192 21.3 16.9 25.3



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: VD059456.D

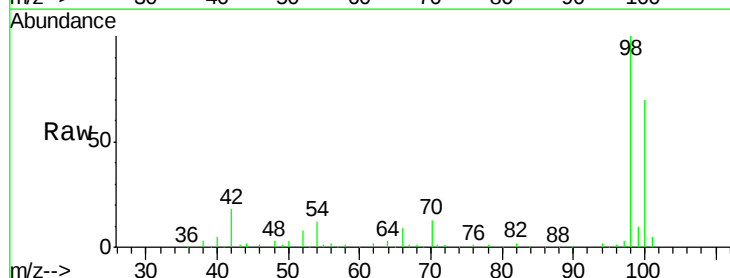
Acq: 27 Jun 2018 20:41

Tgt Ion: 98 Resp: 501118

Ion Ratio Lower Upper

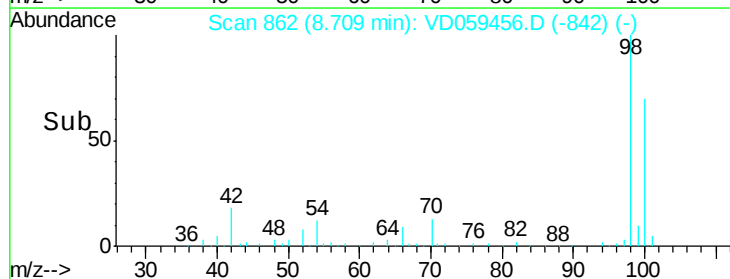
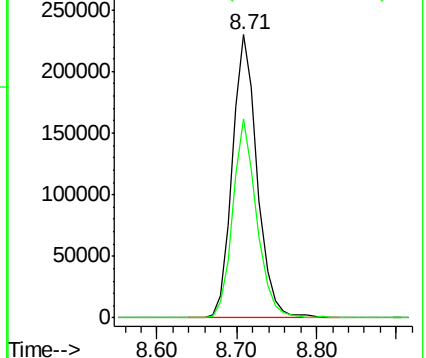
98 100

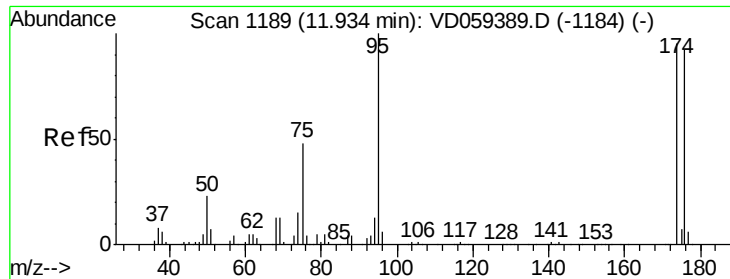
100 70.5 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

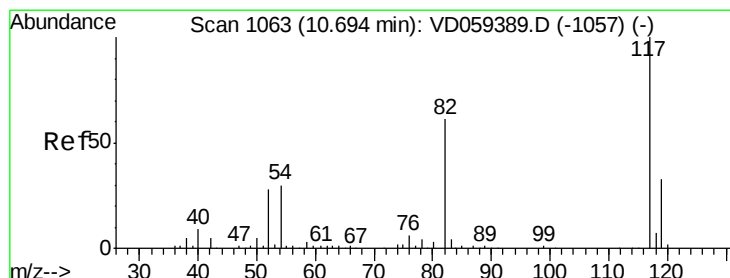
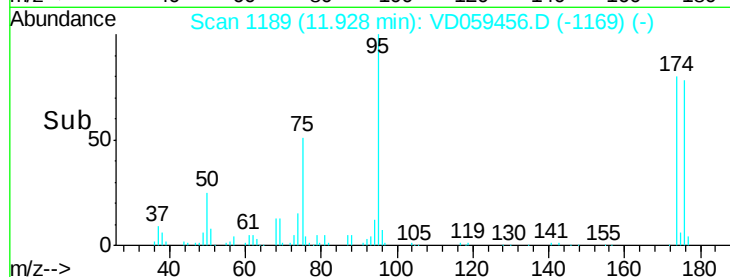
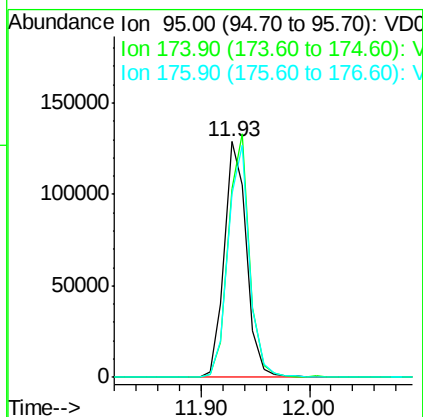
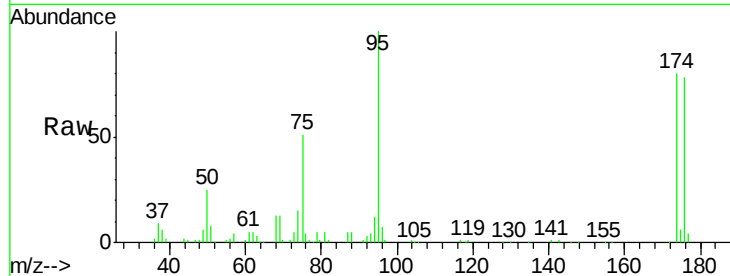




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059456.D
Acq: 27 Jun 2018 20:41

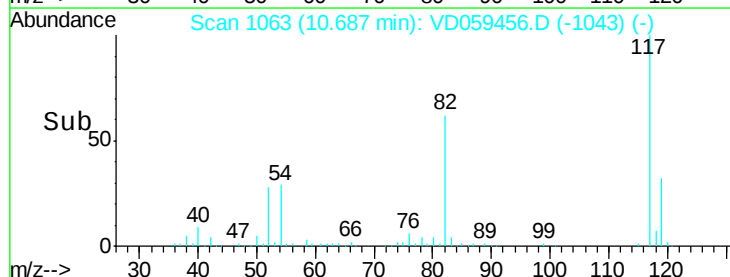
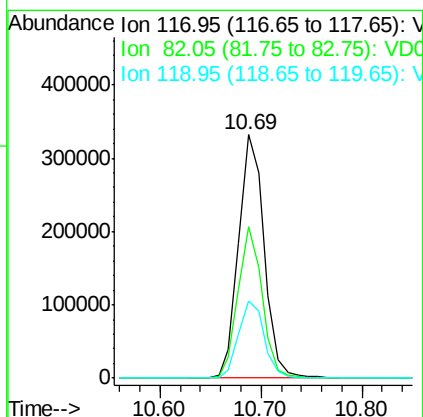
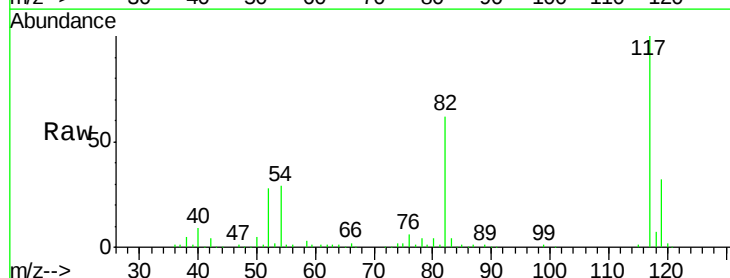
Instrument :
MSVOA_D
ClientSampleId :
A0C10-01RE

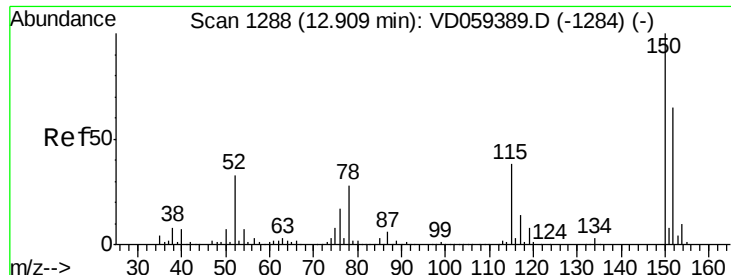
Tot Ion: 95 Resp: 183318
Ion Ratio Lower Upper
95 100
174 80.0 0.0 190.4
176 77.9 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059456.D
Acq: 27 Jun 2018 20:41

Tgt Ion: 117 Resp: 586507
Ion Ratio Lower Upper
117 100
82 62.2 49.0 73.6
119 31.8 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: VD059456.D

Acq: 27 Jun 2018 20:41

Instrument :

MSVOA_D

ClientSampleId :

A0C10-01RE

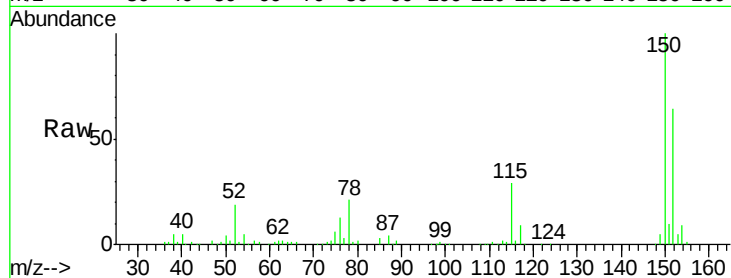
Tot Ion:152 Resp: 208063

Ion Ratio Lower Upper

152 100

115 44.4 29.4 88.3

150 155.5 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

