

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006042.D
 Acq On : 12 Oct 2018 11:47
 Operator : VA/AP
 Sample : VW1013SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBL01

Quant Time: Oct 13 01:35:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	270161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	380935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180616	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	115943	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	
35) Dibromofluoromethane	7.88	113	121248	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.33	98	474180	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.62	95	167705	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

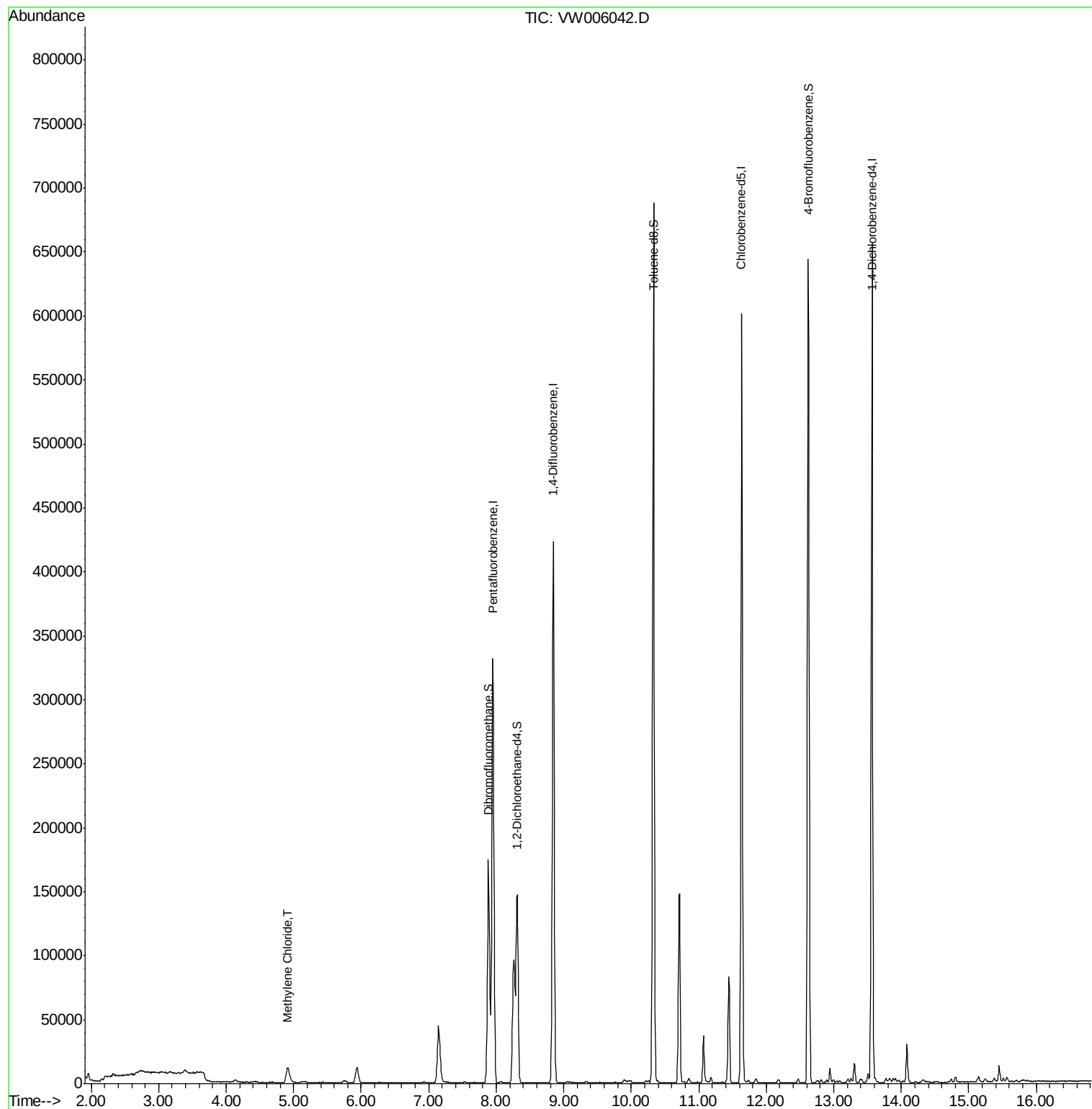
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.90	84	9780	3.73	ug/l	91

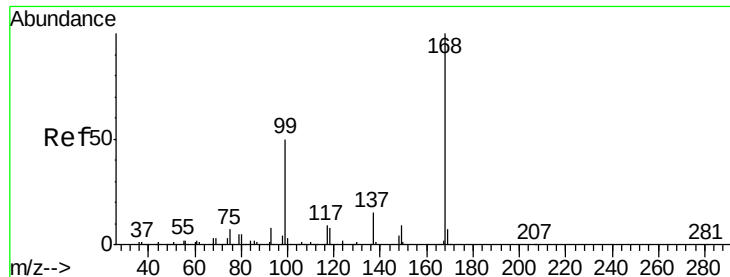
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :

MSVOA_W

ClientSampleId :

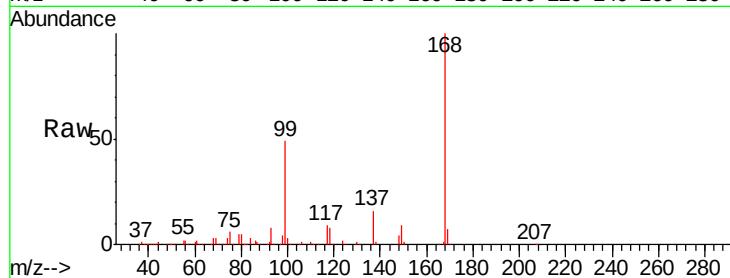
VW1013SBL01

Tgt Ion: 168 Resp: 270161

Ion Ratio Lower Upper

168 100

99 48.8 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

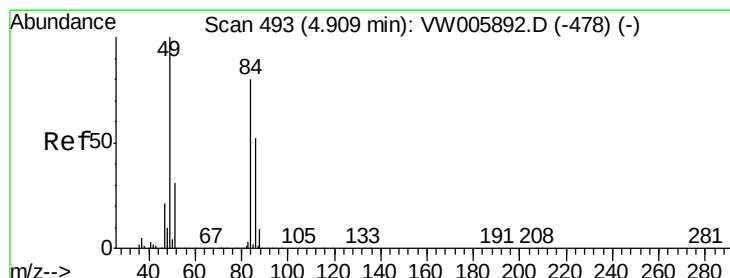
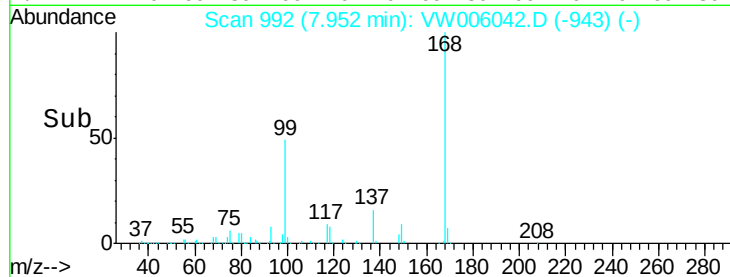
100000

50000

0

7.90 8.00 8.10

Time-->



#20

Methylene Chloride

Concen: 3.73 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Tgt Ion: 84 Resp: 9780

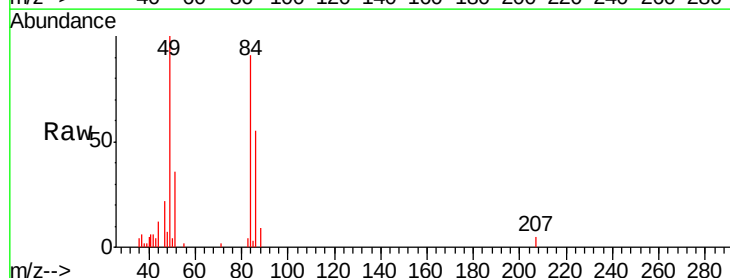
Ion Ratio Lower Upper

84 100

49 109.4 99.9 149.9

51 39.0 31.1 46.7

86 59.7 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.90

5000

4000

3000

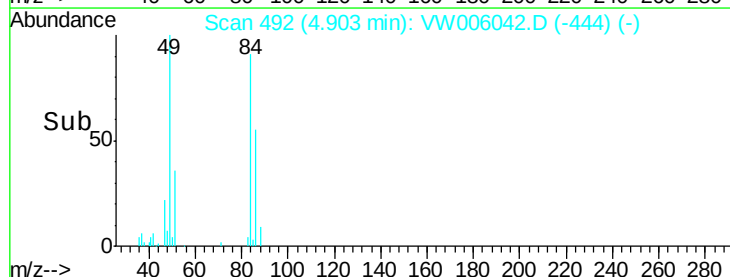
2000

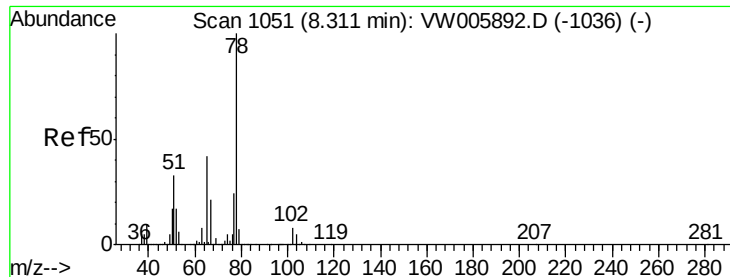
1000

0

4.80 4.90 5.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 44.21 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :

MSVOA_W

ClientSampleId :

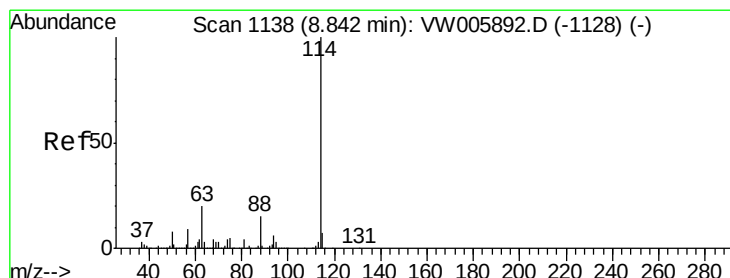
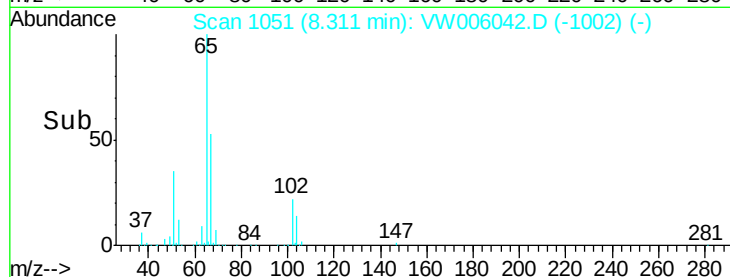
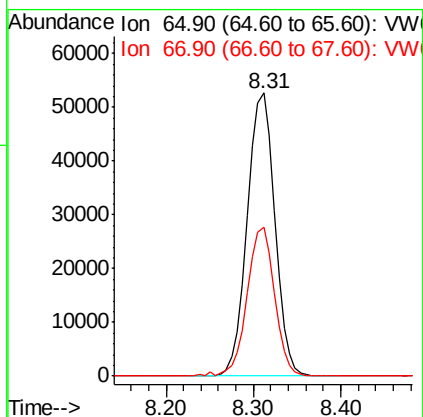
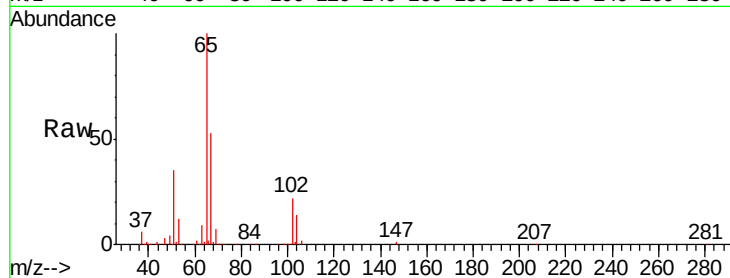
VW1013SBL01

Tgt Ion: 65 Resp: 115943

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

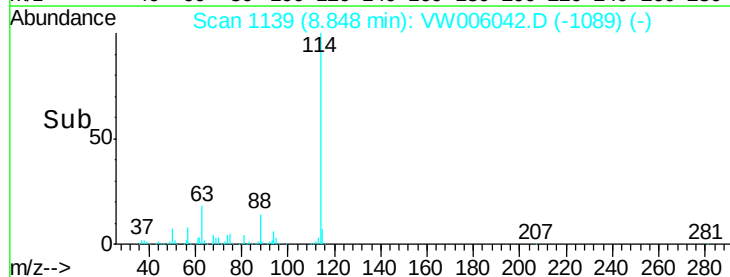
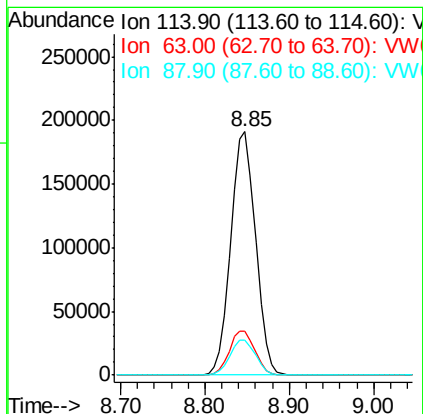
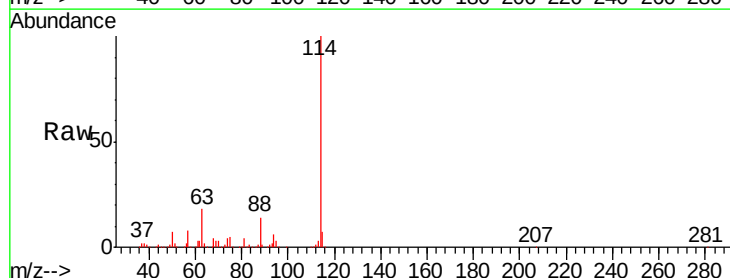
Tgt Ion: 114 Resp: 380935

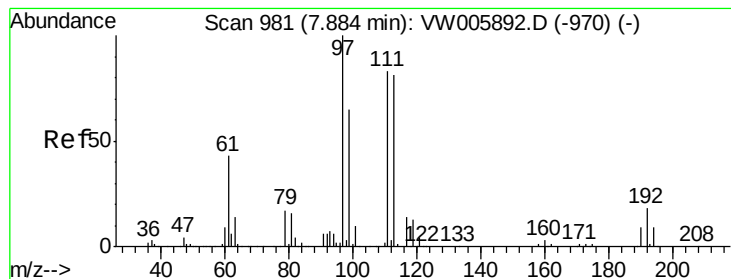
Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.2

88 14.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.85 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBL01

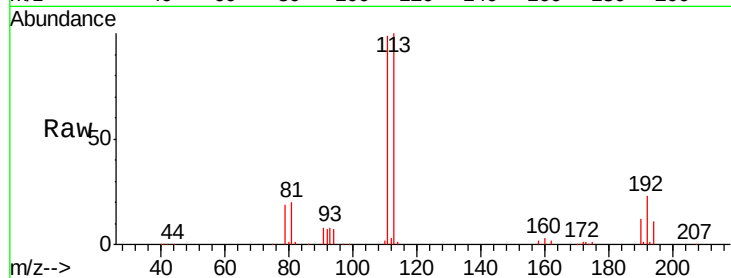
Tgt Ion:113 Resp: 121248

Ion Ratio Lower Upper

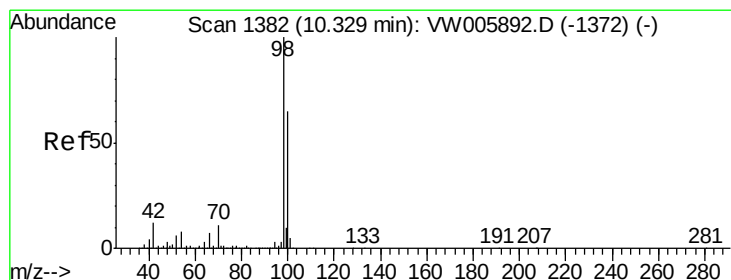
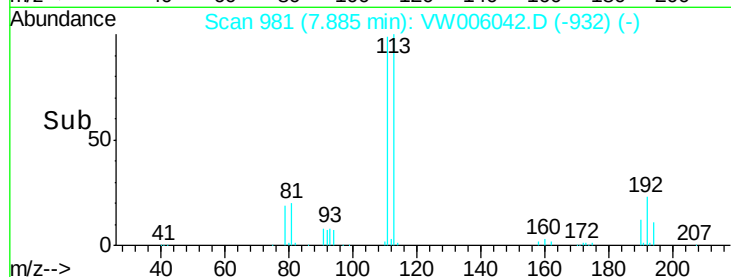
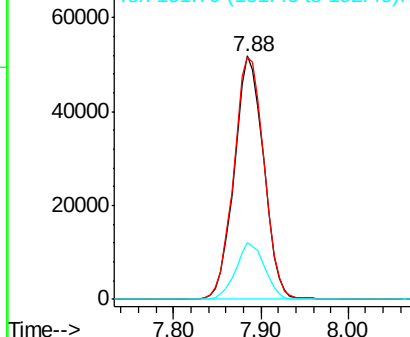
113 100

111 102.3 82.0 123.0

192 22.6 18.3 27.5



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 50.67 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006042.D

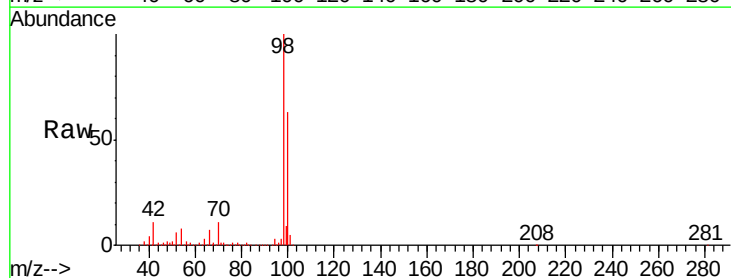
Acq: 12 Oct 2018 11:47

Tgt Ion: 98 Resp: 474180

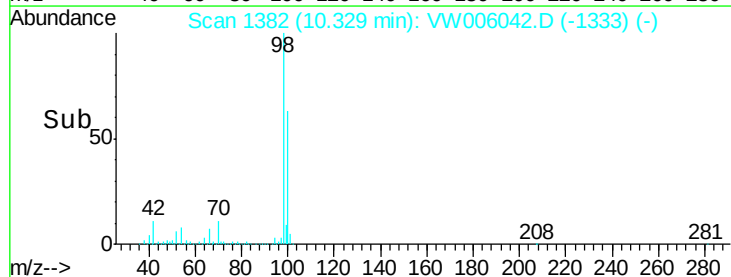
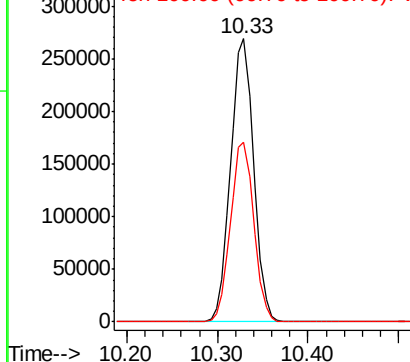
Ion Ratio Lower Upper

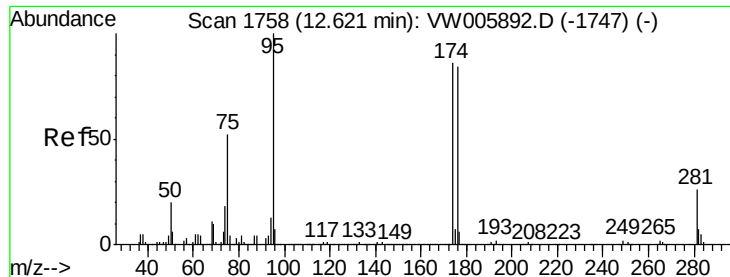
98 100

100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.11 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :

MSVOA_W

ClientSampled :

VW1013SBL01

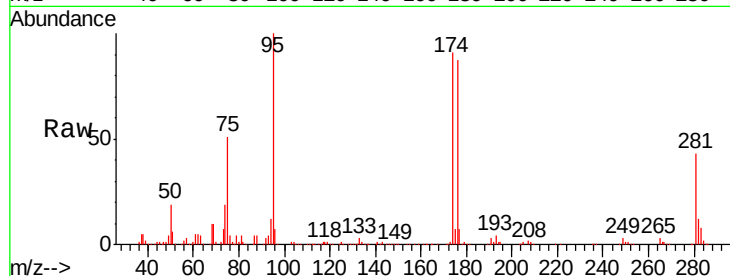
Tgt Ion: 95 Resp: 167705

Ion Ratio Lower Upper

95 100

174 94.0 0.0 176.4

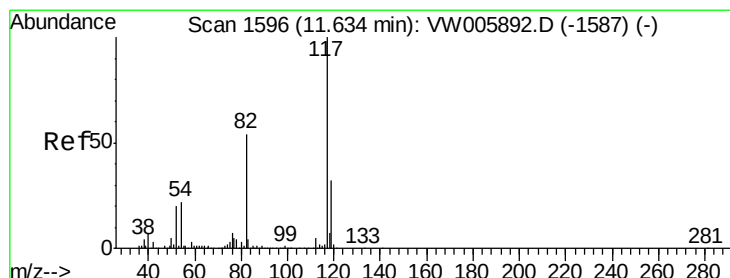
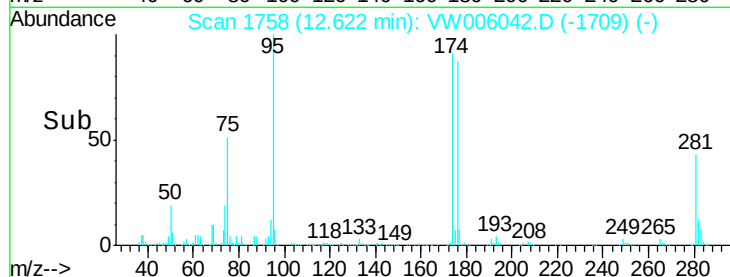
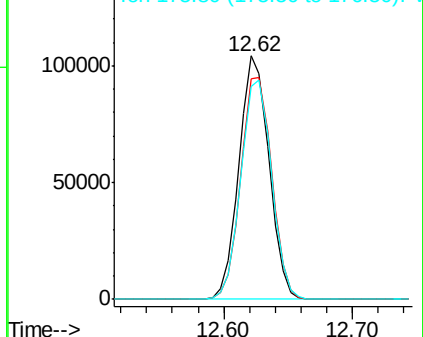
176 92.1 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

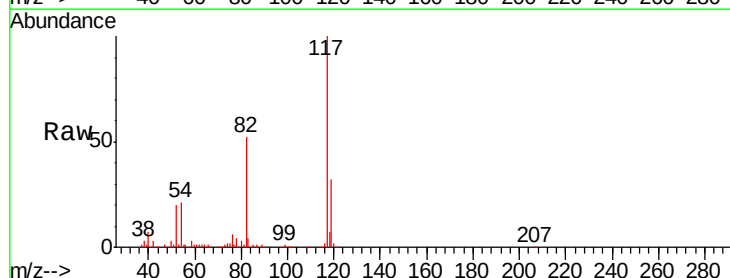
Tgt Ion: 117 Resp: 339150

Ion Ratio Lower Upper

117 100

82 52.2 43.5 65.3

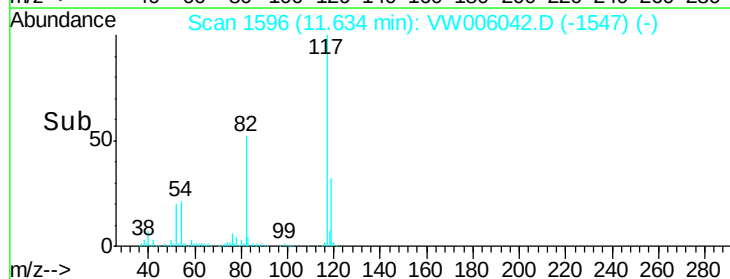
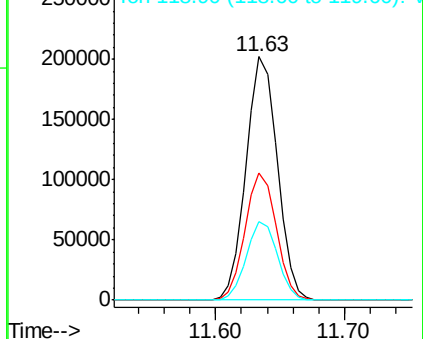
119 32.3 25.4 38.2

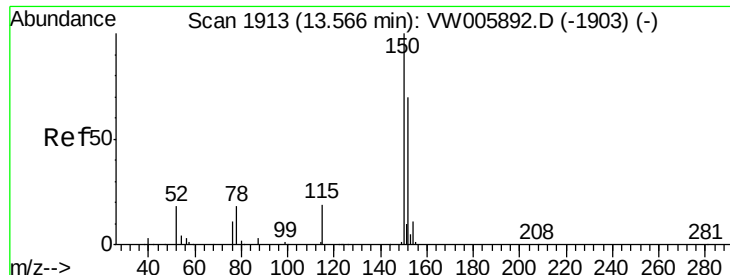


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006042.D

Acq: 12 Oct 2018 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBL01

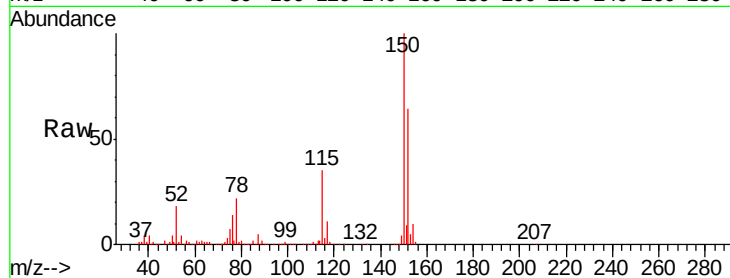
Tgt Ion:152 Resp: 180616

Ion Ratio Lower Upper

152 100

115 55.1 28.3 85.0

150 157.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

