

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000981.D
 Acq On : 25 Jan 2018 05:44
 Operator : JC/SY
 Sample : J1289-13
 Misc : 5.19G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-53-13.5-14.0

Quant Time: Jan 25 06:52:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	201795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	313792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	269665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	102048	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126918	65.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.24%	
35) Dibromofluoromethane	7.88	113	111040	57.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.52%	
50) Toluene-d8	10.33	98	371053	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.63	95	110364	39.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.98%	

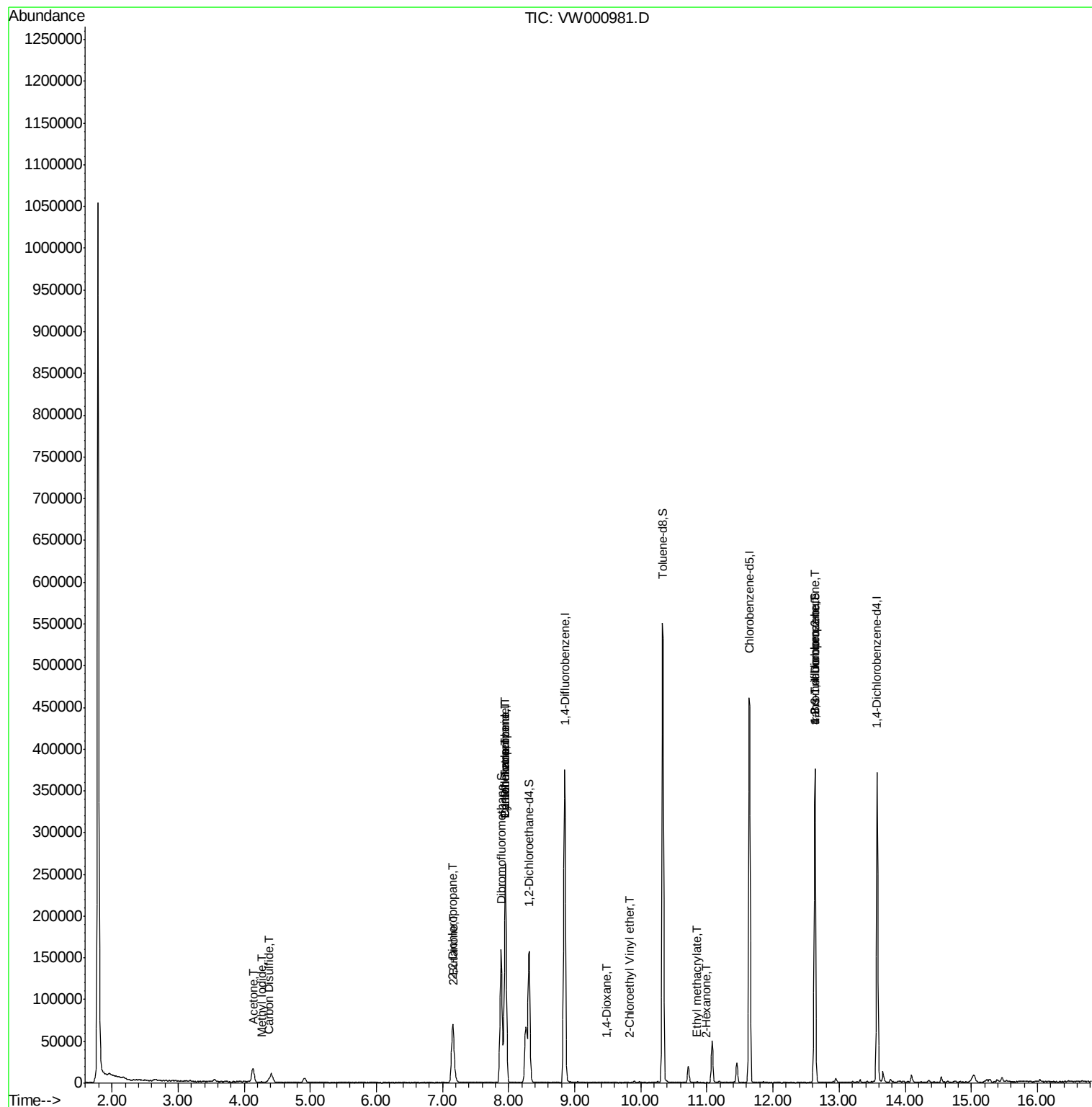
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	522	5.09	ug/l	# 79
16) Acetone	4.14	43	27313	47.96	ug/l	100
17) Carbon Disulfide	4.37	76	6309	1.17	ug/l	96
20) Methylene Chloride	4.91	84	3723	Below Cal	#	81
25) 2-Butanone	7.17	43	9118	10.66	ug/l	98
26) 2,2-Dichloropropane	7.15	77	4634	1.50	ug/l	# 52
31) Cyclohexane	7.95	56	3854	1.22	ug/l	# 1
36) 1,1-Dichloropropene	7.95	75	14603	4.88	ug/l	# 49
38) Carbon Tetrachloride	7.95	117	19768	5.98	ug/l	# 16
49) 1,4-Dioxane	9.48	88	39	1.47	ug/l	# 1
56) Ethyl methacrylate	10.84	69	26	3.26	ug/l	# 26
58) 2-Chloroethyl Vinyl ether	9.84	63	25	25.87	ug/l	# 45
59) 2-Hexanone	10.98	43	132	14.76	ug/l	# 24
76) 1,2,3-Trichloropropane	12.63	75	55672	47.15	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	55672	112.08	ug/l	# 11

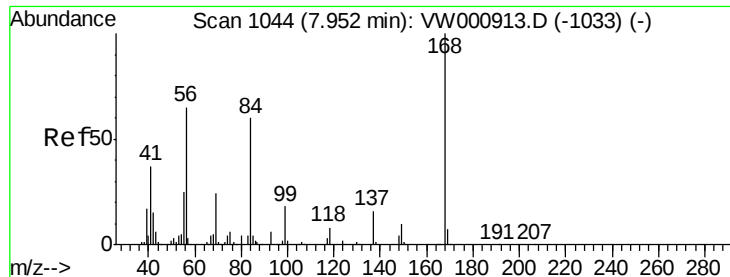
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

Instrument :

MSVOA_W

ClientSampleId :

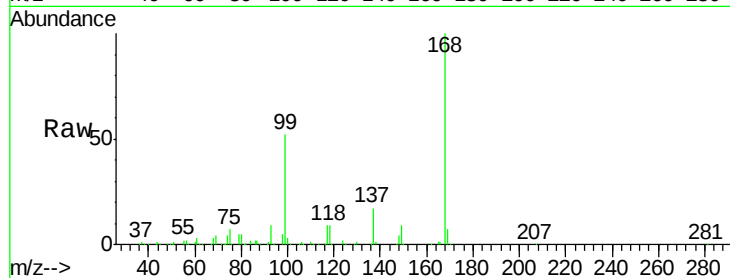
SB-53-13.5-14.0

Tgt Ion:168 Resp: 201795

Ion Ratio Lower Upper

168 100

99 52.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

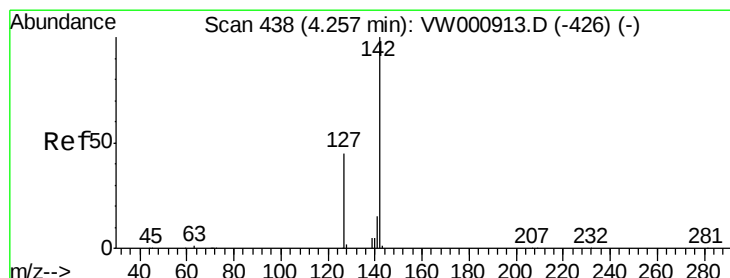
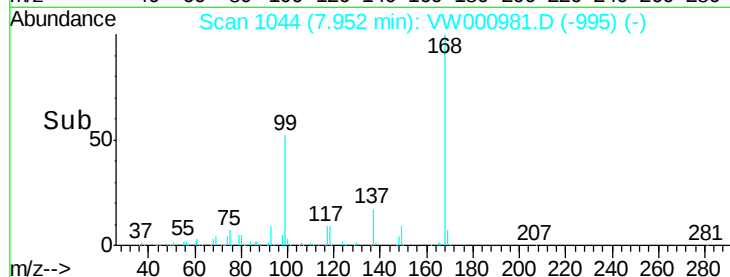
20000

0

7.90

8.00

Time-->



#10

Methyl Iodide

Concen: 5.09 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

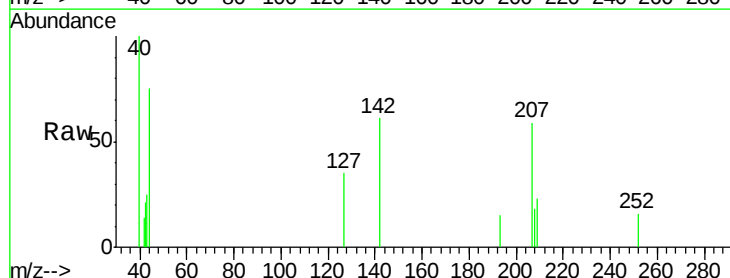
Tgt Ion:142 Resp: 522

Ion Ratio Lower Upper

142 100

127 55.2 35.5 53.3#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.26

300

250

200

150

100

50

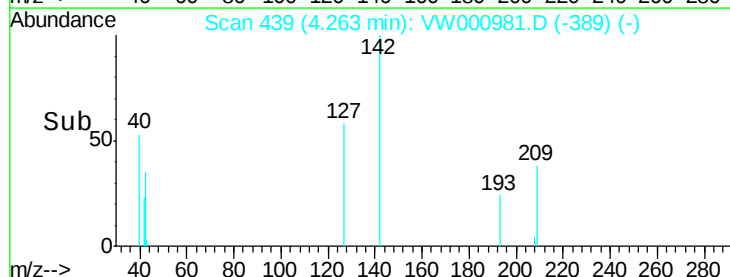
0

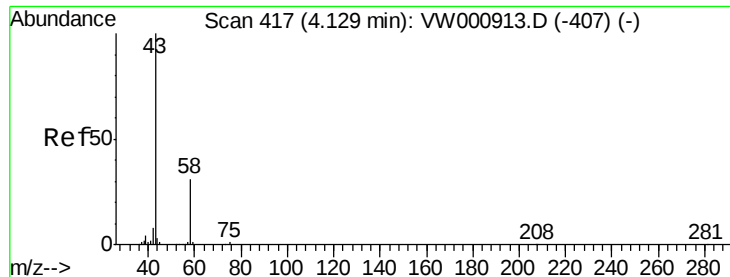
4.20

4.25

4.30

Time-->





#16

Acetone

Concen: 47.96 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

Instrument :

MSVOA_W

ClientSampleId :

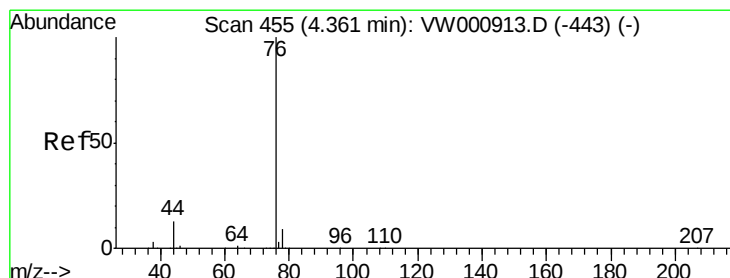
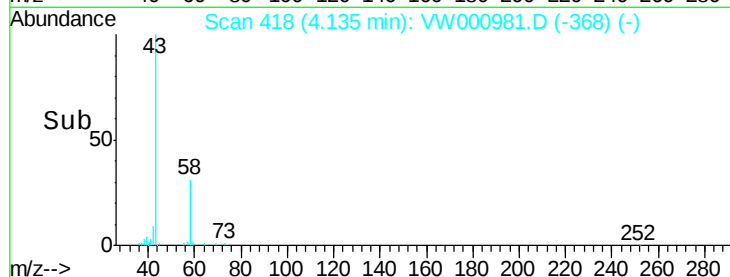
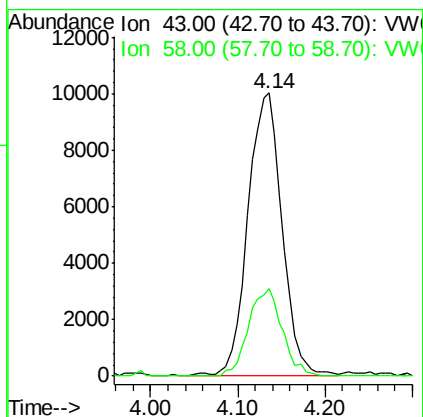
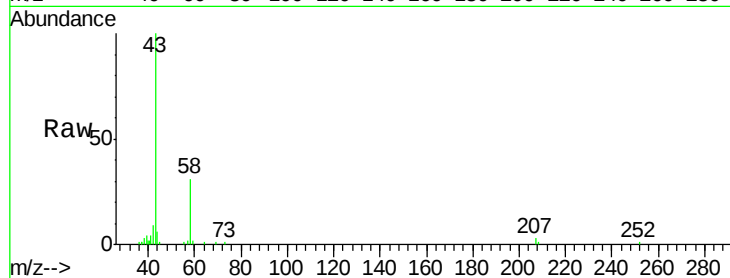
SB-53-13.5-14.0

Tgt Ion: 43 Resp: 27313

Ion Ratio Lower Upper

43 100

58 31.0 24.9 37.3



#17

Carbon Disulfide

Concen: 1.17 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW000981.D

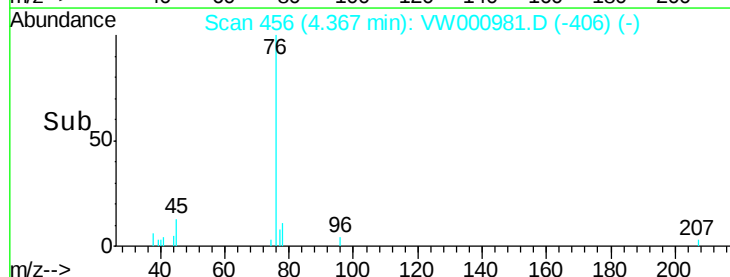
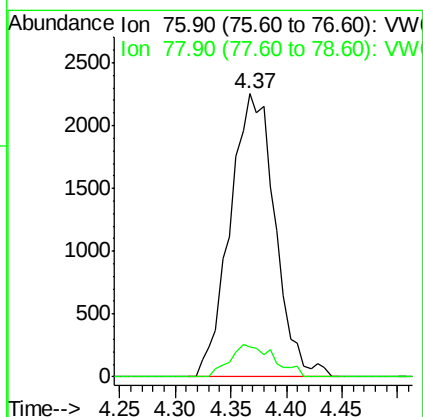
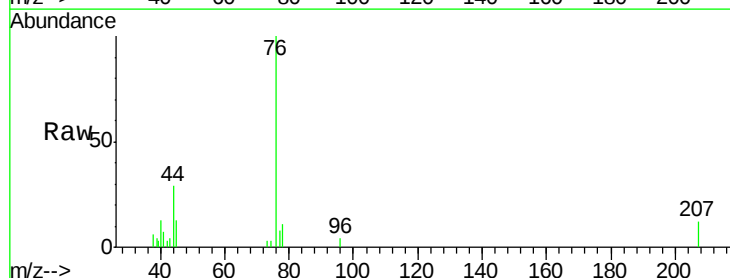
Acq: 25 Jan 2018 05:44

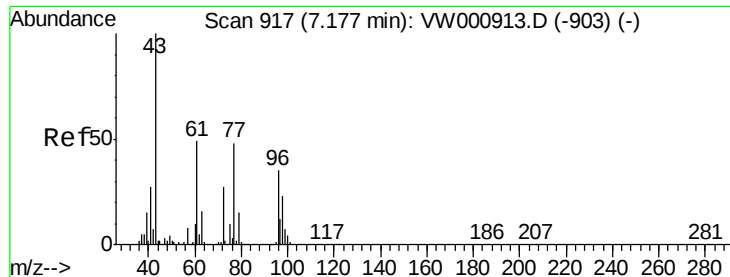
Tgt Ion: 76 Resp: 6309

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.2





#25

2-Butanone

Concen: 10.66 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

Instrument :

MSVOA_W

ClientSampleId :

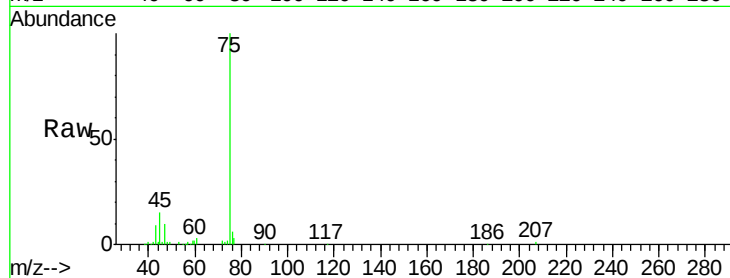
SB-53-13.5-14.0

Tgt Ion: 43 Resp: 9118

Ion Ratio Lower Upper

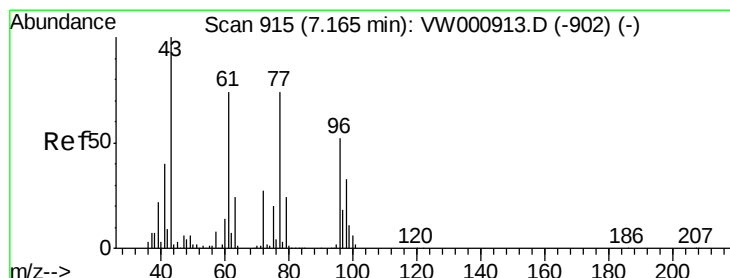
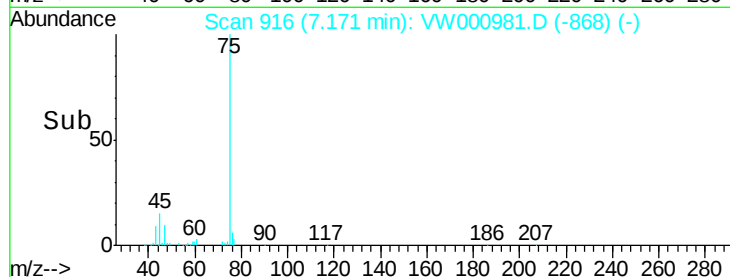
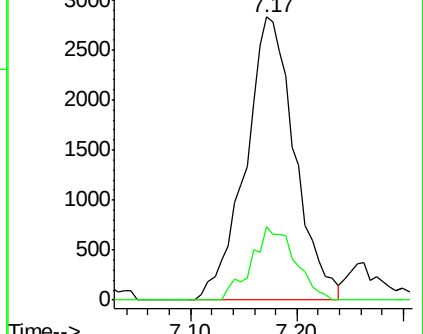
43 100

72 26.0 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.50 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW000981.D

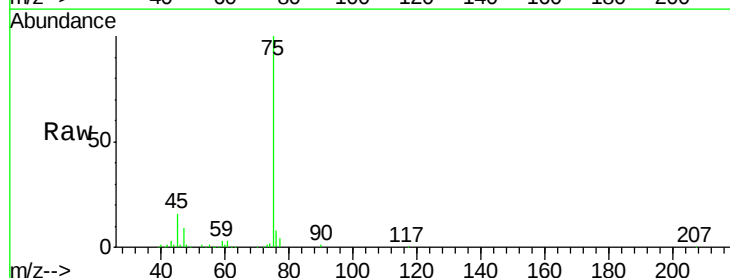
Acq: 25 Jan 2018 05:44

Tgt Ion: 77 Resp: 4634

Ion Ratio Lower Upper

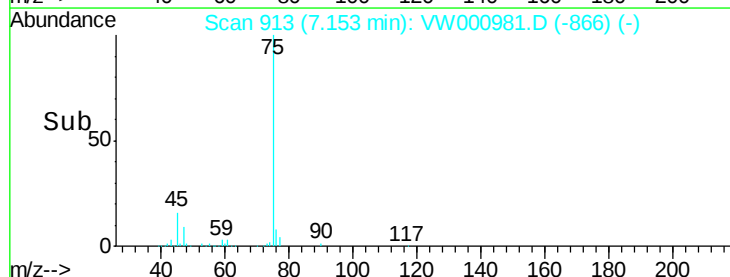
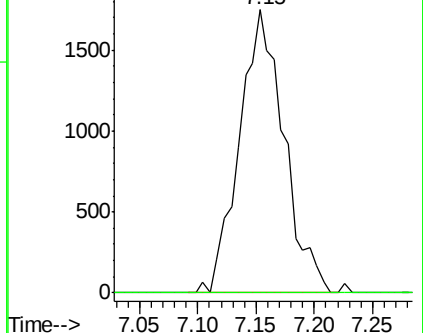
77 100

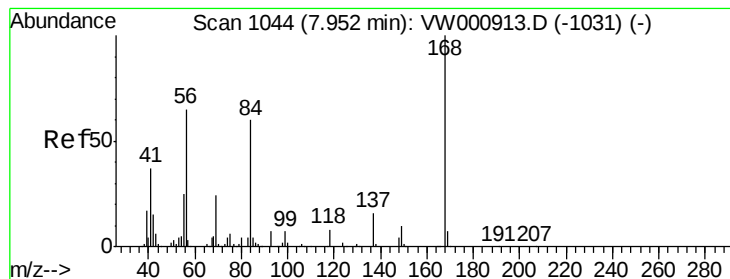
97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: 1.22 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

Instrument :

MSVOA_W

ClientSampleId :

SB-53-13.5-14.0

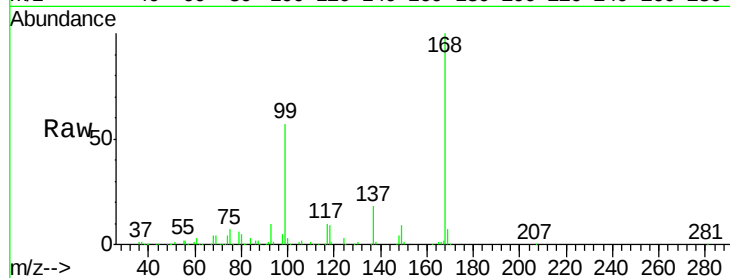
Tgt Ion: 56 Resp: 3854

Ion Ratio Lower Upper

56 100

69 191.9 29.2 43.8#

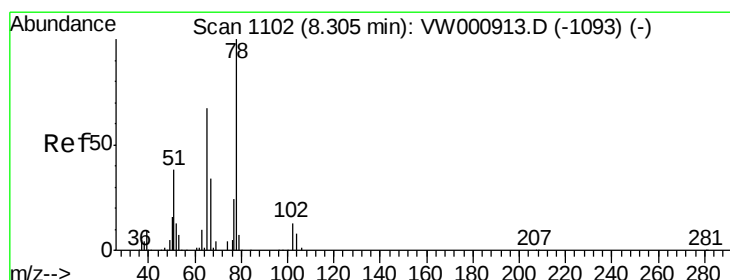
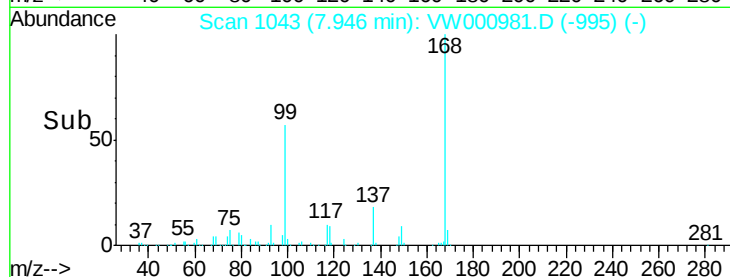
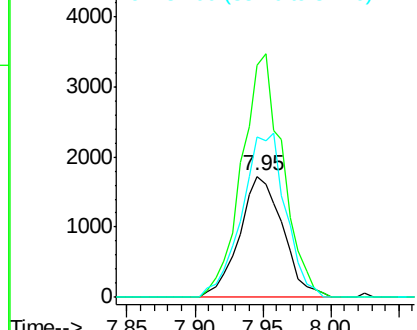
84 132.6 73.6 110.4#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 65.62 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000981.D

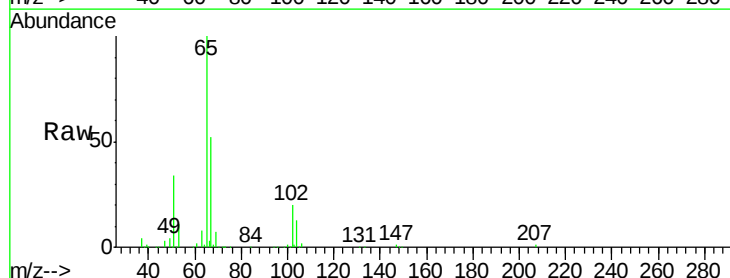
Acq: 25 Jan 2018 05:44

Tgt Ion: 65 Resp: 126918

Ion Ratio Lower Upper

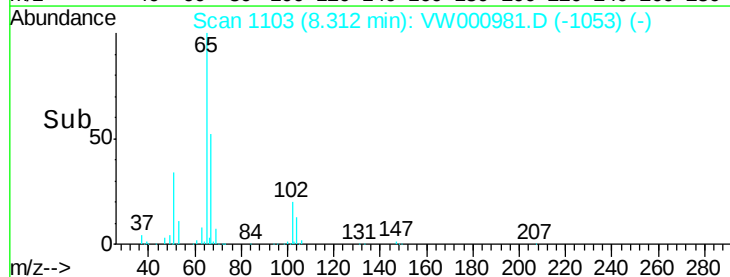
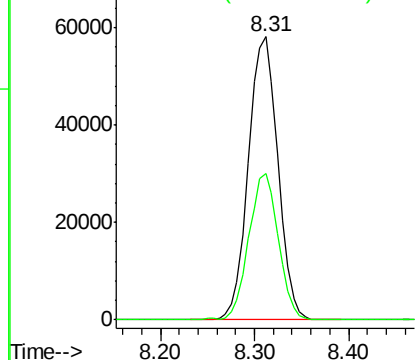
65 100

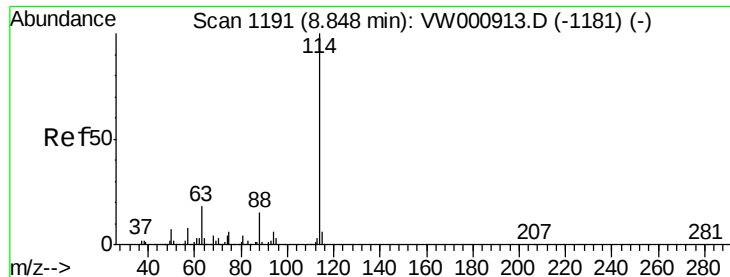
67 51.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

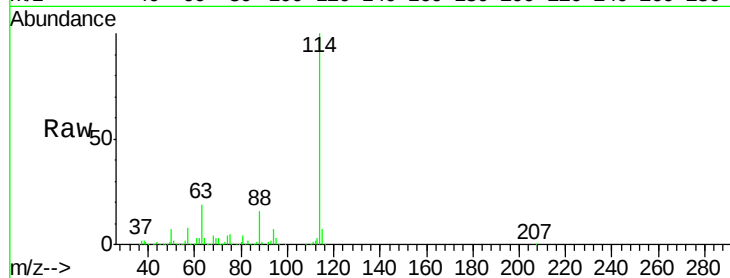




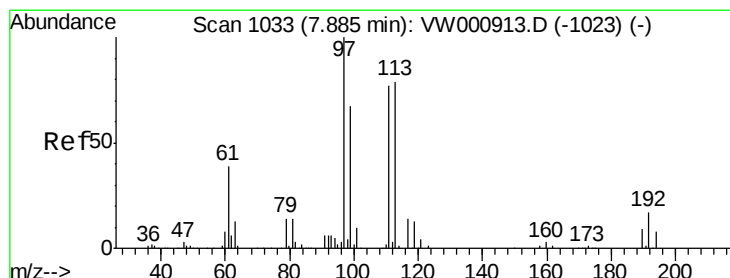
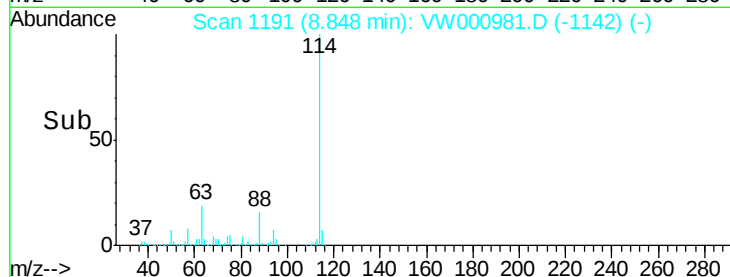
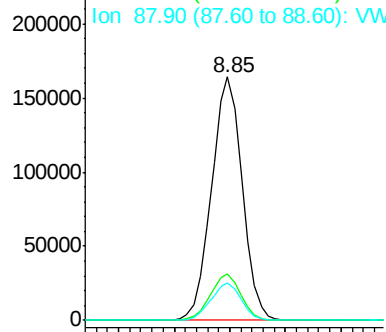
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000981.D
 Acq: 25 Jan 2018 05:44

Instrument :
 MSVOA_W
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 SB-53-13.5-14.0

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	36.8
88	15.6	0.0	29.8

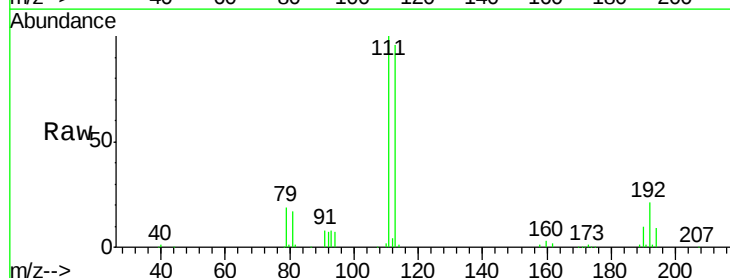


Abundance Ion 113.90 (113.60 to 114.60): V

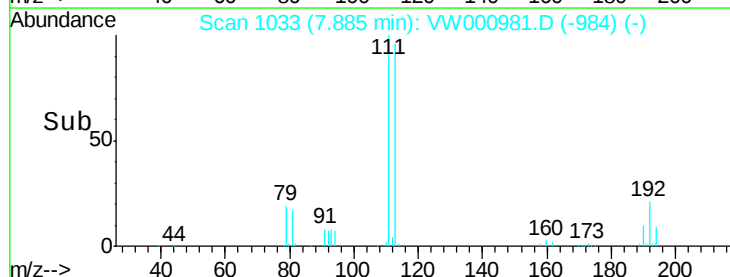
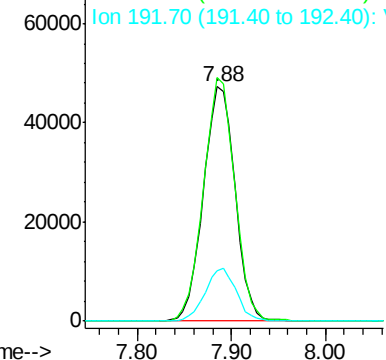


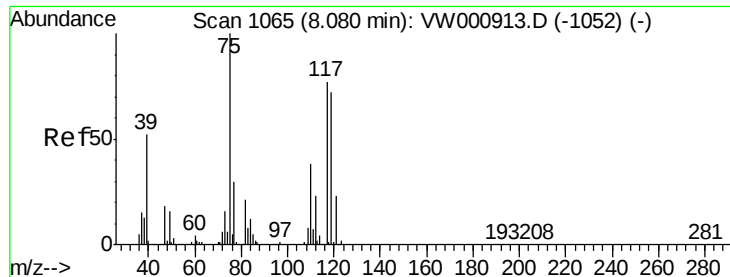
#35
 Dibromofluoromethane
 Concen: 57.76 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000981.D
 Acq: 25 Jan 2018 05:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.4	120.6
192	22.0	17.0	25.4



Abundance Ion 112.80 (112.50 to 113.50): V





#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

Instrument :

MSVOA_W

ClientSampleId :

SB-53-13.5-14.0

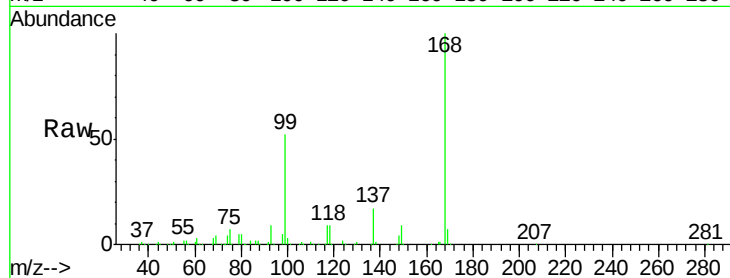
Tgt Ion: 75 Resp: 14603

Ion Ratio Lower Upper

75 100

110 9.1 18.6 56.0#

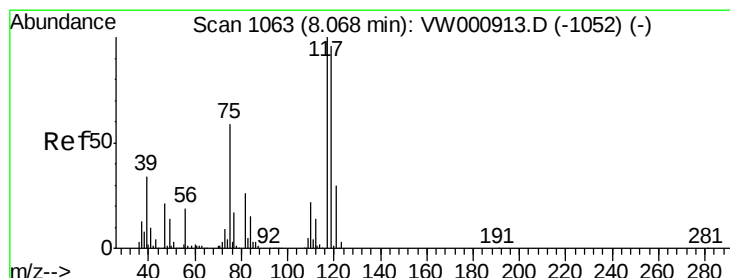
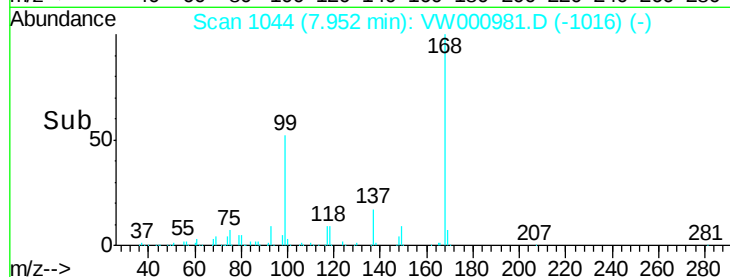
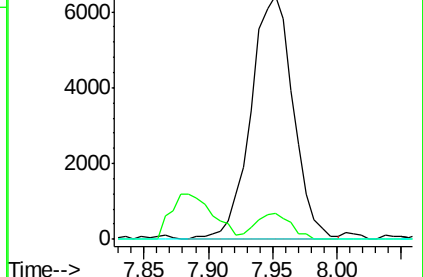
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.98 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

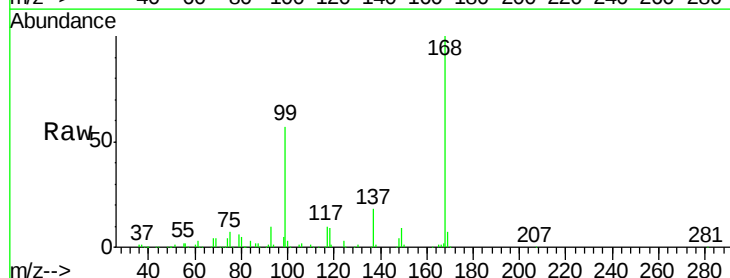
Tgt Ion: 117 Resp: 19768

Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

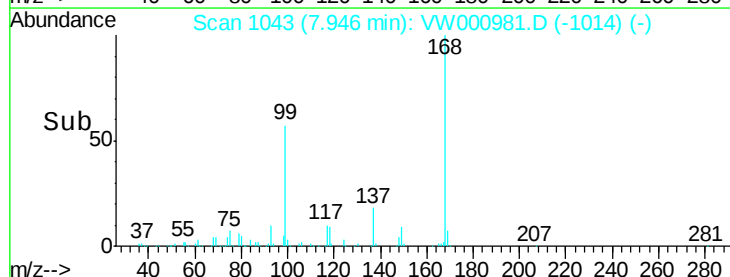
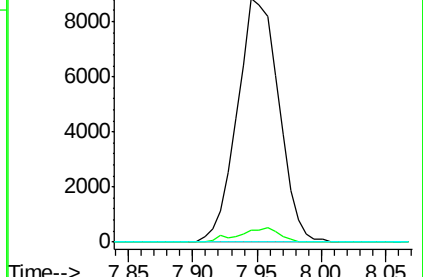
121 0.0 24.3 36.5#

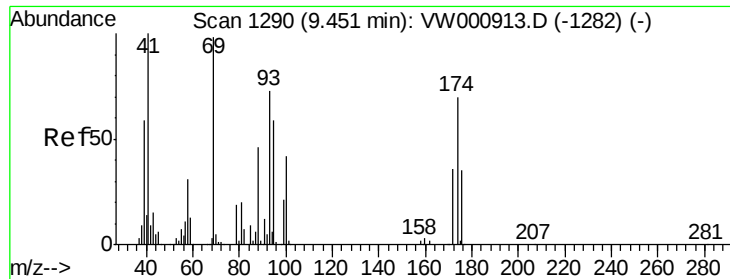


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.47 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.02 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

Instrument :

MSVOA_W

ClientSampleId :

SB-53-13.5-14.0

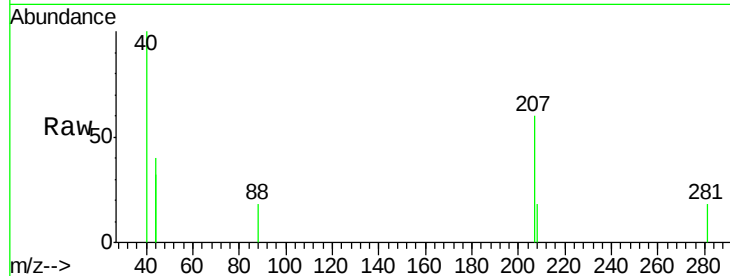
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 125.6 24.5 36.7#

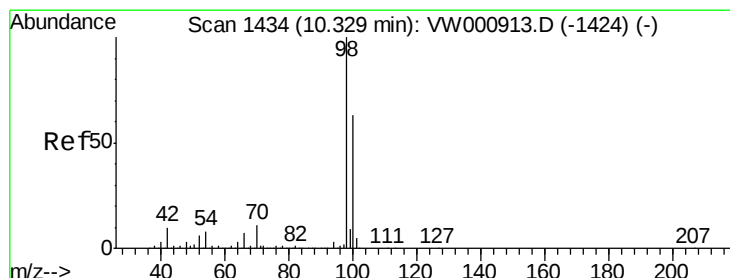
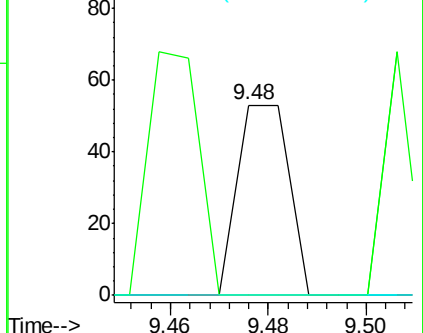
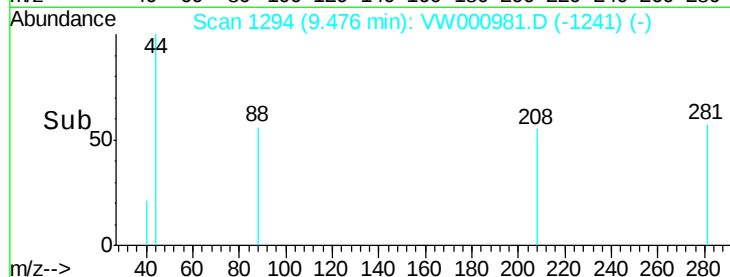
58 0.0 54.7 82.1#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.96 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000981.D

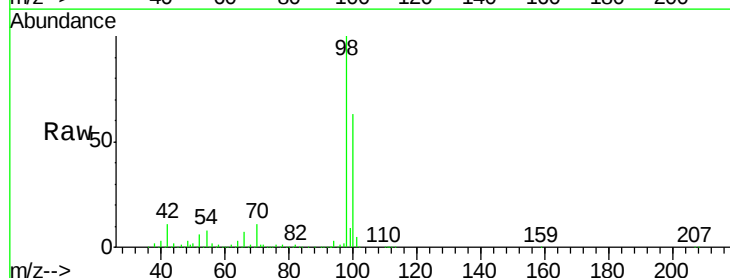
Acq: 25 Jan 2018 05:44

Tgt Ion: 98 Resp: 371053

Ion Ratio Lower Upper

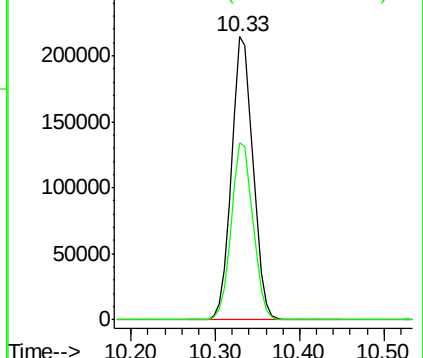
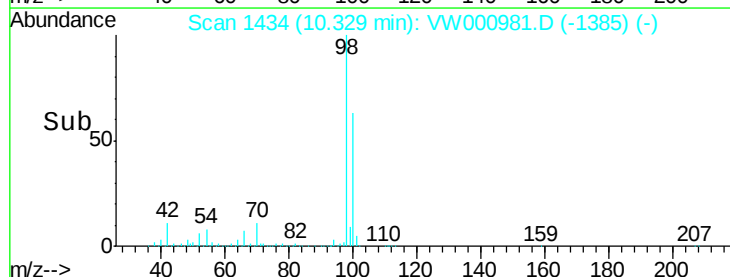
98 100

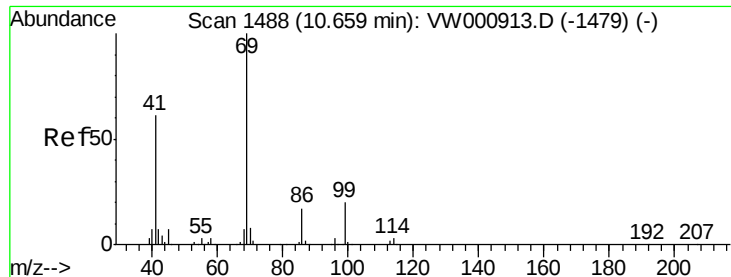
100 63.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.26 ug/l

RT: 10.84 min Scan# 1518

Delta R.T. 0.18 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

Instrument :

MSVOA_W

ClientSampled :

SB-53-13.5-14.0

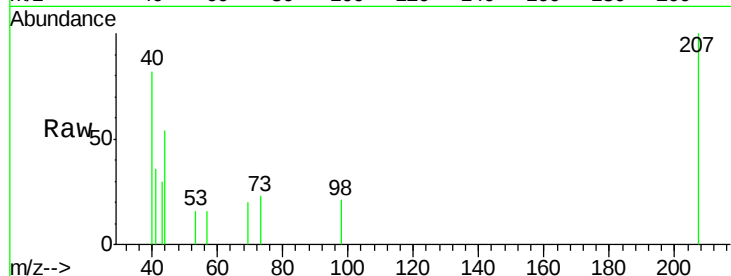
Tgt Ion: 69 Resp: 26

Ion Ratio Lower Upper

69 100

41 0.0 50.3 75.5#

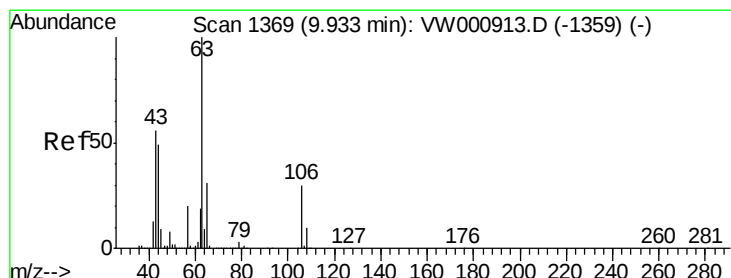
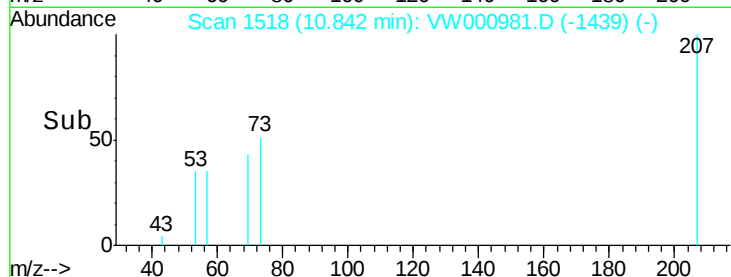
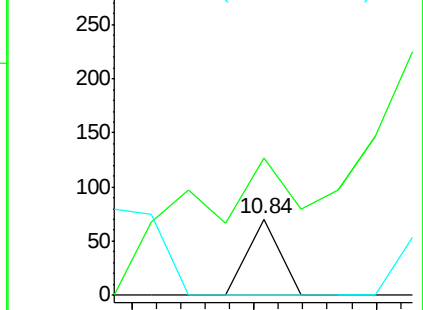
39 0.0 28.6 42.8#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 25.87 ug/l

RT: 9.84 min Scan# 1353

Delta R.T. -0.10 min

Lab File: VW000981.D

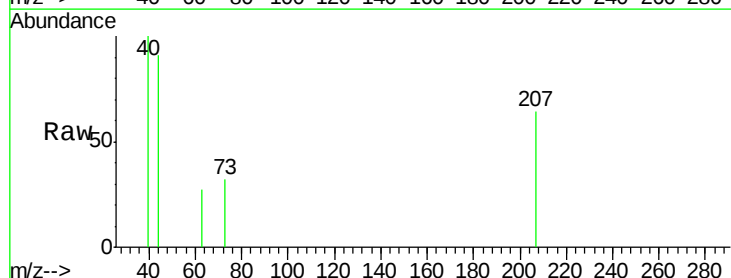
Acq: 25 Jan 2018 05:44

Tgt Ion: 63 Resp: 25

Ion Ratio Lower Upper

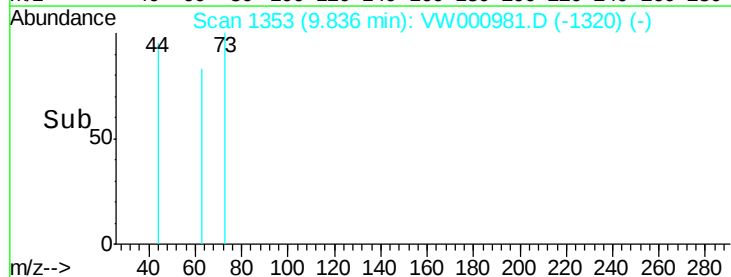
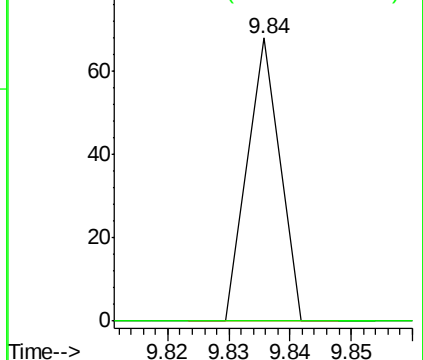
63 100

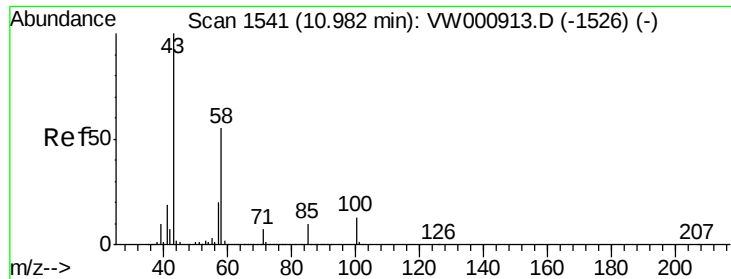
106 0.0 23.8 35.8#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

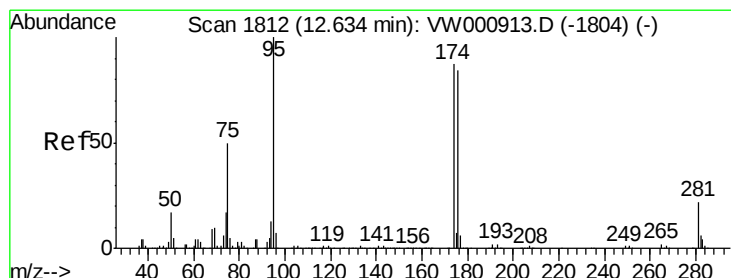
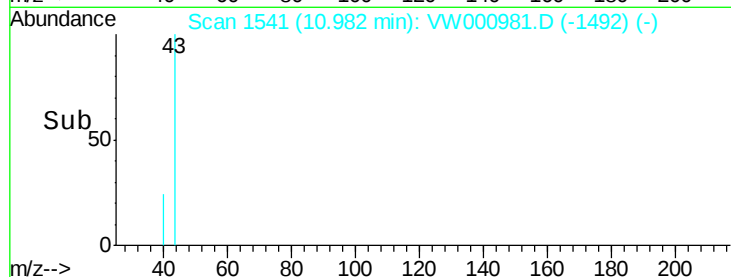
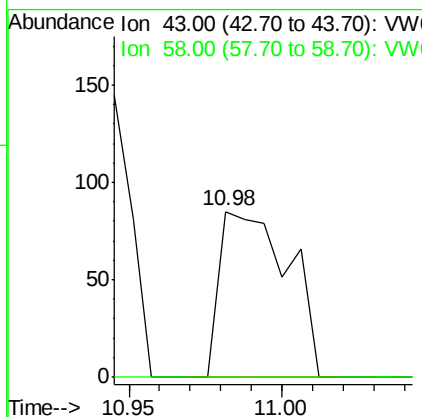
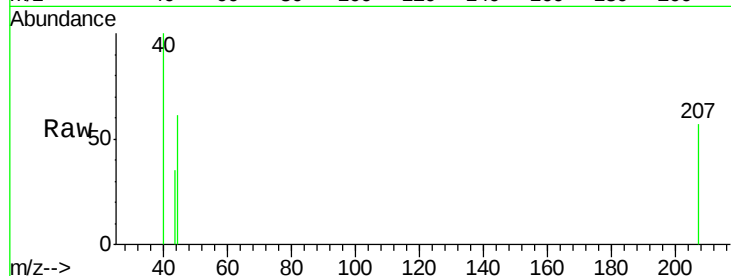




#59
2-Hexanone
Concen: 14.76 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000981.D
Acq: 25 Jan 2018 05:44

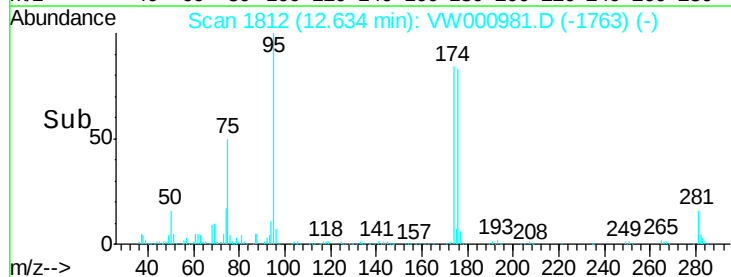
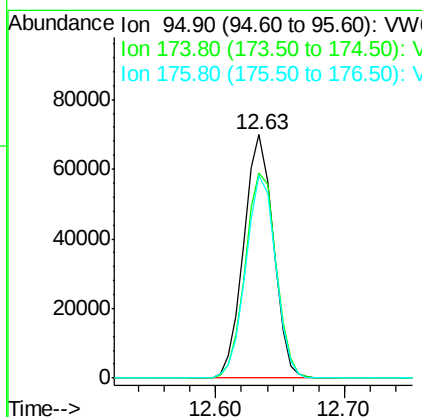
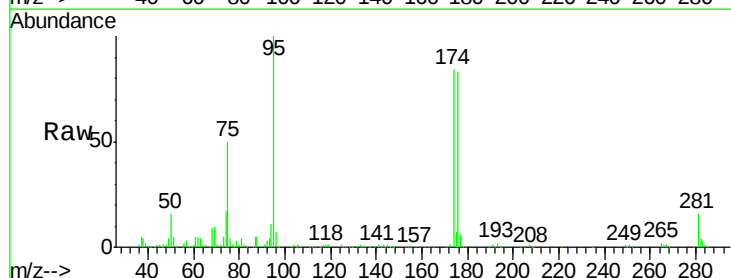
Instrument :
MSVOA_W
ClientSampleId :
SB-53-13.5-14.0

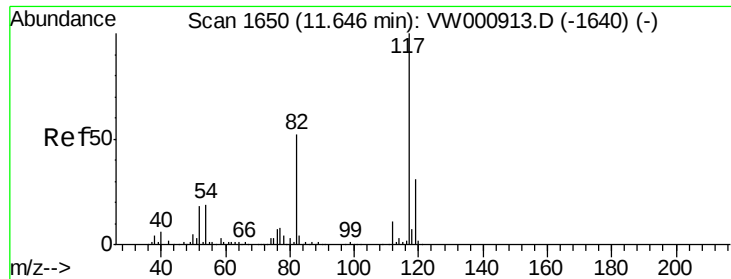
Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
58 0.0 27.4 82.2#



#62
4-Bromofluorobenzene
Concen: 39.99 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW000981.D
Acq: 25 Jan 2018 05:44

Tgt Ion: 95 Resp: 110364
Ion Ratio Lower Upper
95 100
174 88.0 0.0 176.8
176 84.3 0.0 171.8

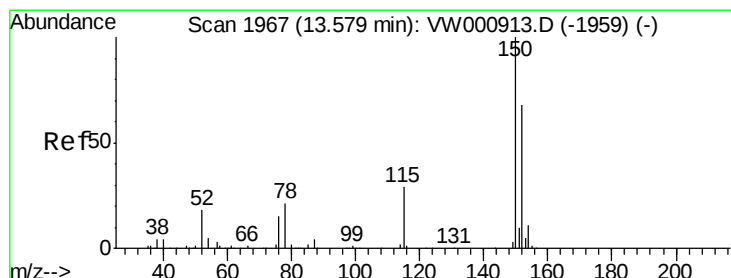
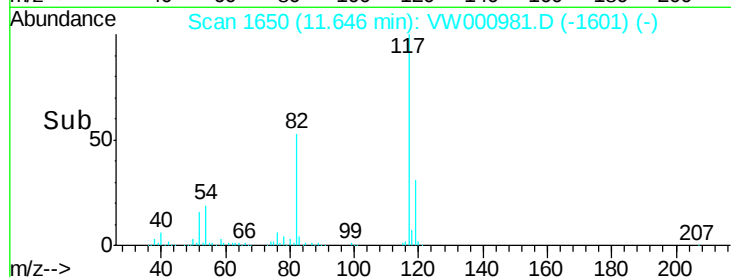
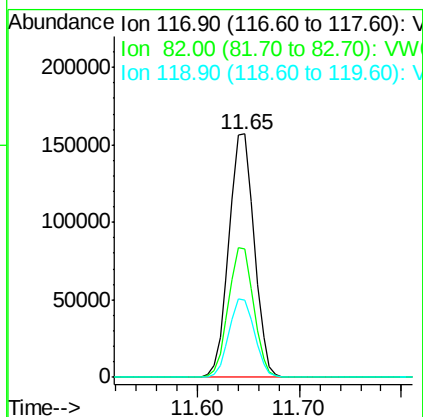
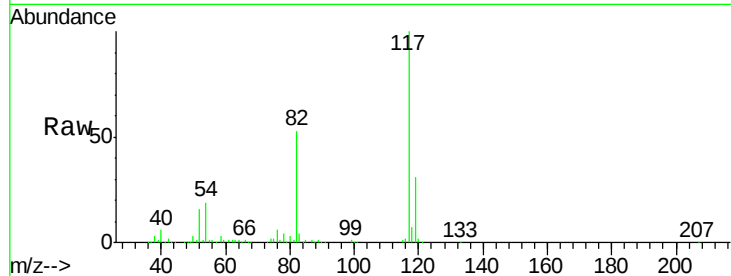




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000981.D
Acq: 25 Jan 2018 05:44

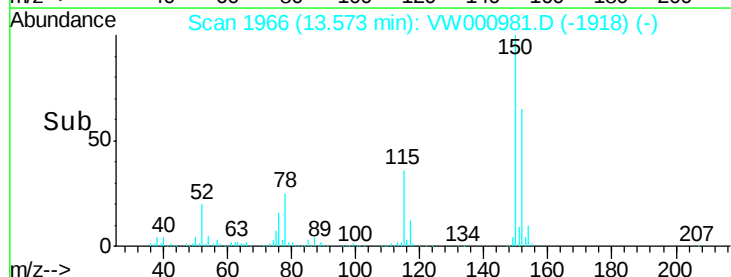
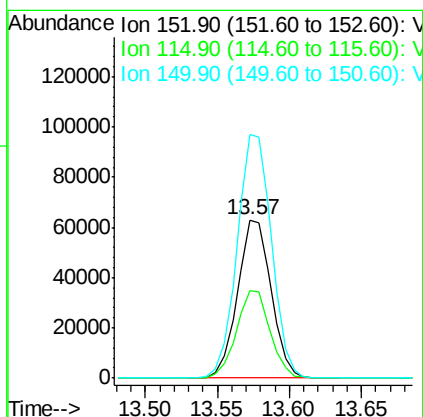
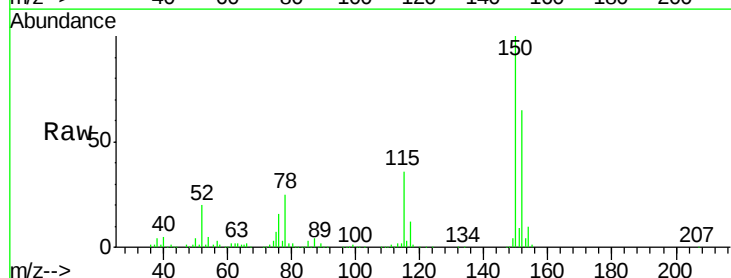
Instrument :
MSVOA_W
ClientSampleId :
SB-53-13.5-14.0

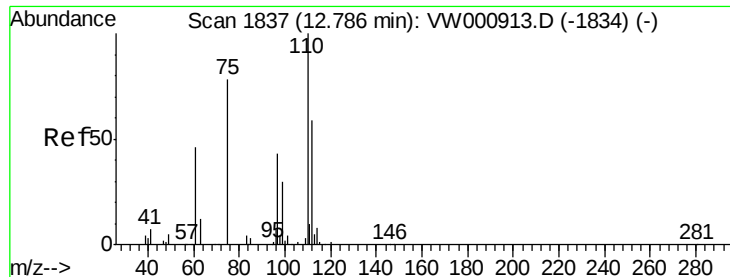
Tgt Ion:117 Resp: 269665
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.6
119 31.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.01 min
Lab File: VW000981.D
Acq: 25 Jan 2018 05:44

Tgt Ion:152 Resp: 102048
Ion Ratio Lower Upper
152 100
115 55.1 28.5 85.5
150 157.0 0.0 342.0





#76

1,2,3-Trichloropropane

Concen: 47.15 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

Instrument :

MSVOA_W

ClientSampleId :

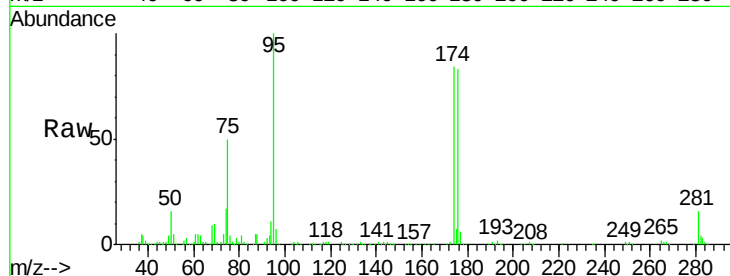
SB-53-13.5-14.0

Tgt Ion: 75 Resp: 55672

Ion Ratio Lower Upper

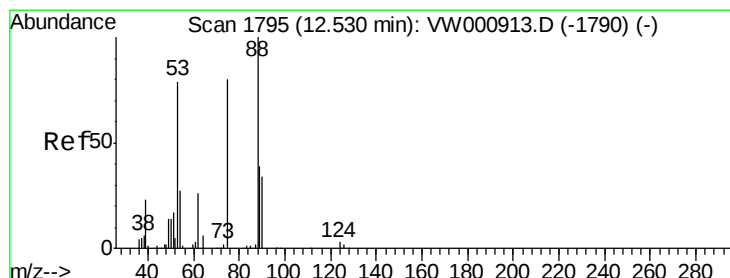
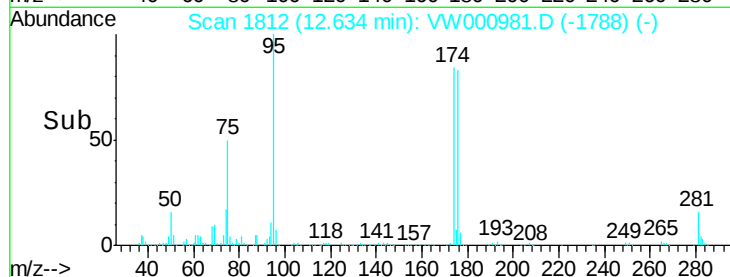
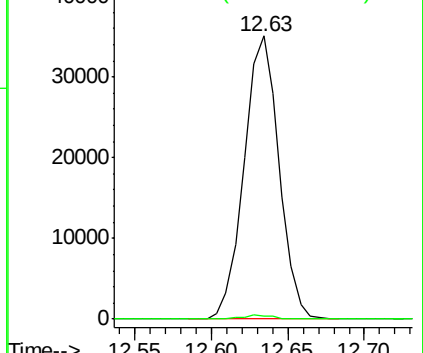
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 112.08 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000981.D

Acq: 25 Jan 2018 05:44

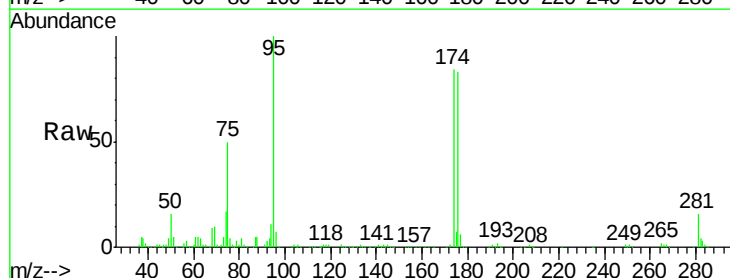
Tgt Ion: 75 Resp: 55672

Ion Ratio Lower Upper

75 100

53 0.2 77.5 116.3#

89 0.1 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

