

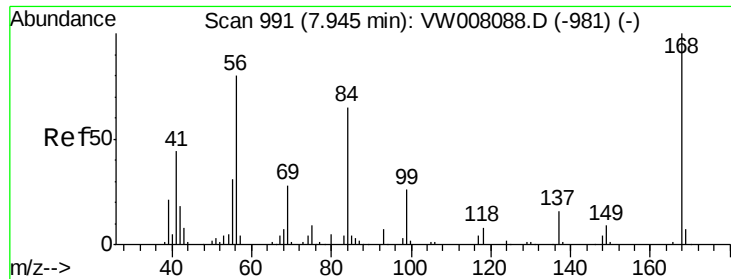
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008125.D
 Acq On : 10 Jan 2019 02:45
 Operator : SY/AP
 Sample : K1082-01RE
 Misc : 4.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-1

Quant Time: Jan 10 06:03:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	71719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	126785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	44789	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	42790	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
35) Dibromofluoromethane	7.88	113	39424	53.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.62%	
50) Toluene-d8	10.32	98	159913	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.62	95	50119	45.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.10%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1460	3.205	ug/l	85
11) Tert butyl alcohol	5.23	59	262	Below Cal	#	100
13) Acrolein	3.89	56	169	1.663	ug/l #	64
16) Acetone	4.14	43	15928	96.988	ug/l	89
20) Methylene Chloride	4.91	84	6549	3.810	ug/l #	94
25) 2-Butanone	7.18	43	4412	19.673	ug/l	96
29) Tetrahydrofuran	7.52	42	197	1.315	ug/l #	35
31) Cyclohexane	7.95	56	2150	1.267	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	5773	4.420	ug/l #	51
37) Ethyl Acetate	7.18	43	4412	8.432	ug/l #	70
38) Carbon Tetrachloride	7.95	117	7171	5.999	ug/l #	17
40) Benzene	8.32	78	4109	1.160	ug/l	90
52) Toluene	10.39	92	26033	11.508	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	24963	61.139	ug/l #	1
77) Bromobenzene	12.92	156	6019	8.101	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	24963	142.374	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Instrument :

MSVOA_W

ClientSampleId :

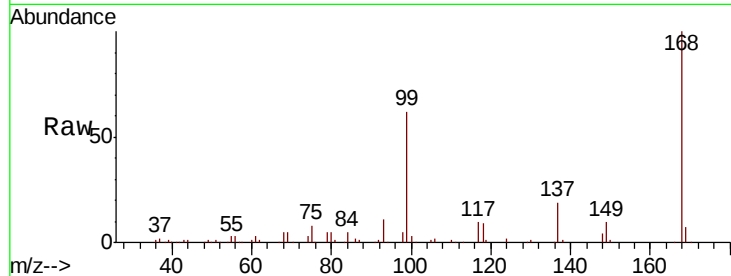
SP-1-1

Tgt Ion: 168 Resp: 71719

Ion Ratio Lower Upper

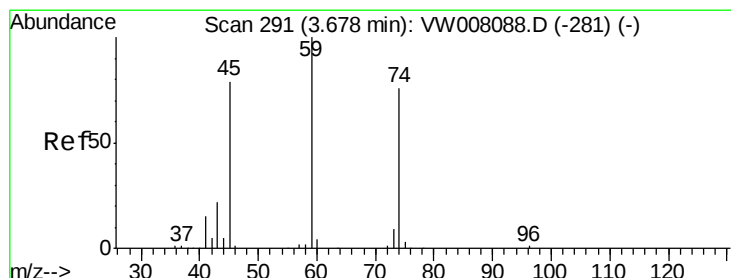
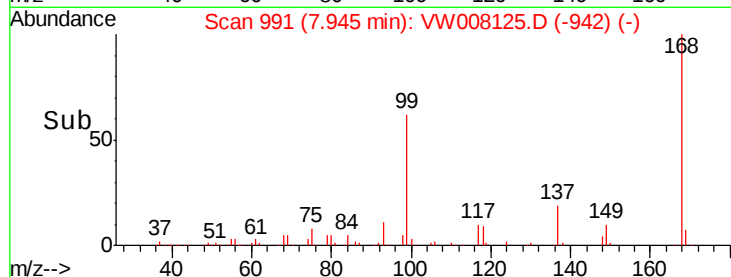
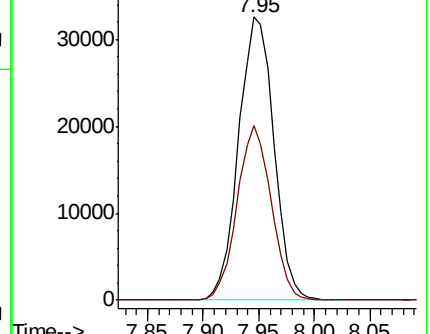
168 100

99 61.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.205 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW008125.D

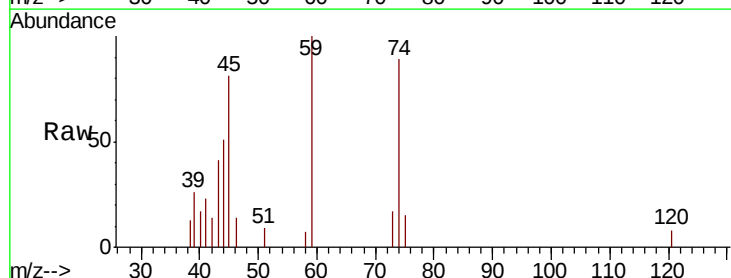
Acq: 10 Jan 2019 02:45

Tgt Ion: 74 Resp: 1460

Ion Ratio Lower Upper

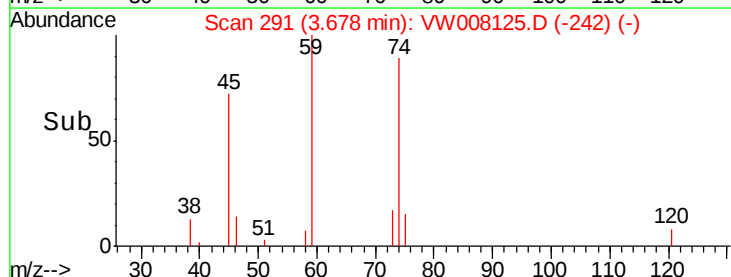
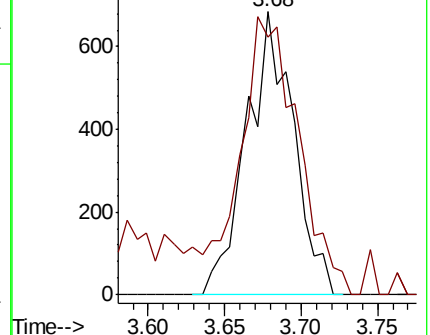
74 100

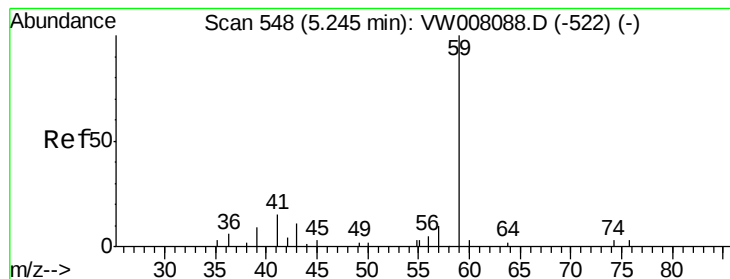
45 120.3 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



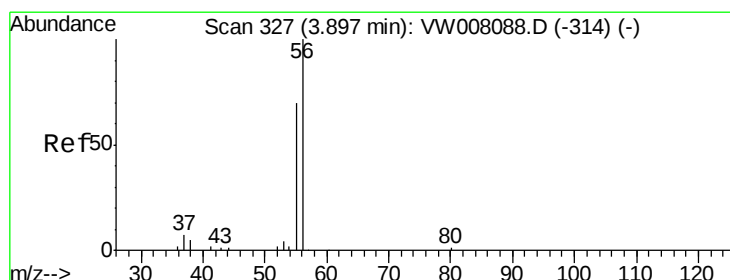
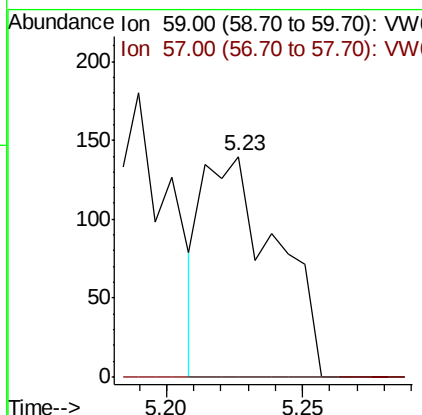
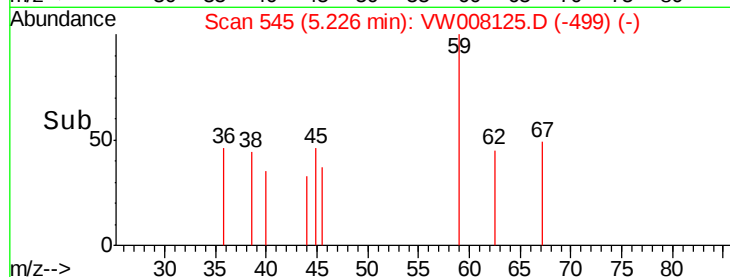
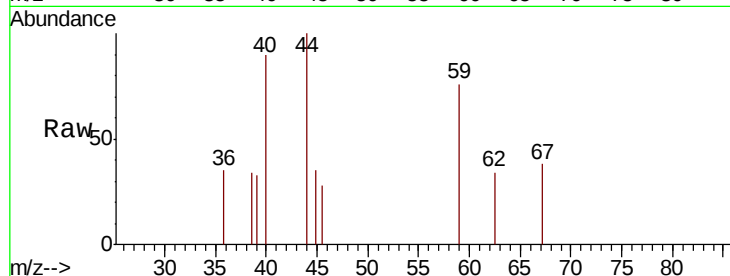


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: VW008125.D
 Acq: 10 Jan 2019 02:45

Instrument :
 MSVOA_W
 ClientSampled :
 SP-1-1

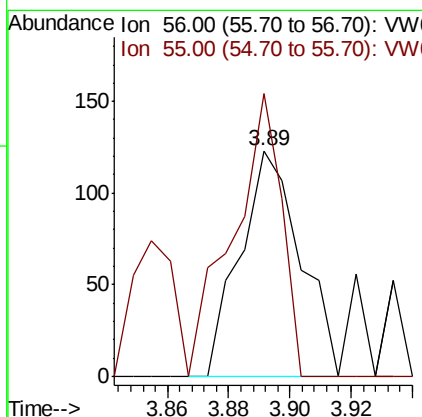
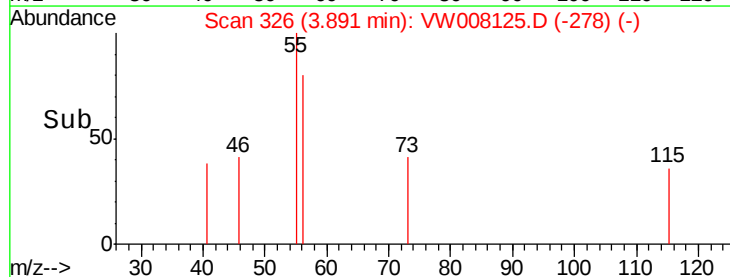
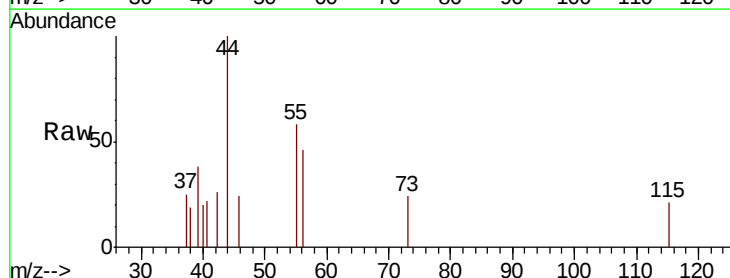
Tgt Ion: 59 Resp: 262
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

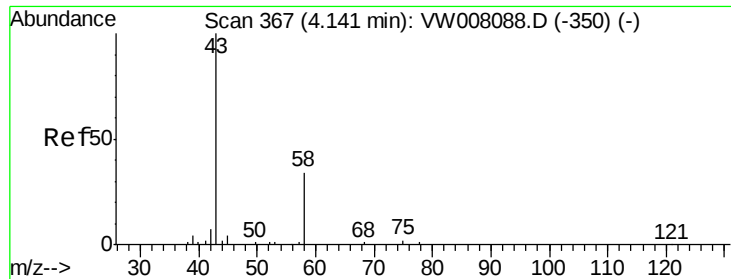


#13

Acrolein
 Concen: 1.663 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VW008125.D
 Acq: 10 Jan 2019 02:45

Tgt Ion: 56 Resp: 169
 Ion Ratio Lower Upper
 56 100
 55 100.6 56.6 84.8#





#16

Acetone

Concen: 96.988 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Instrument :

MSVOA_W

ClientSampleId :

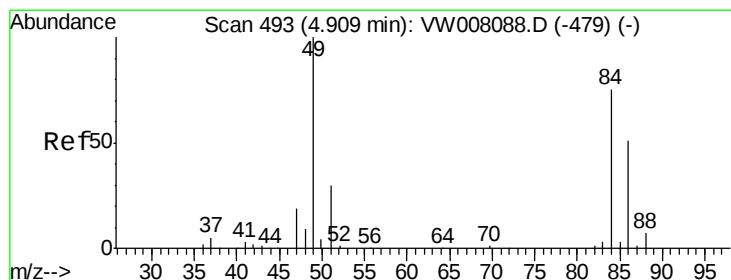
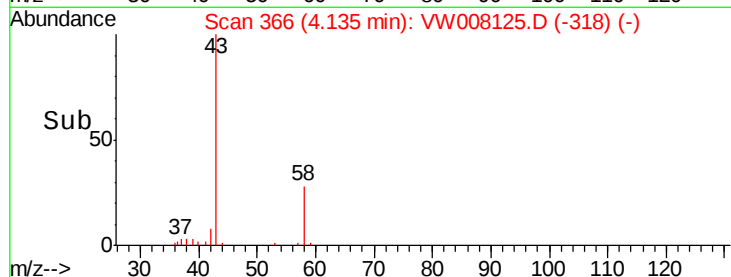
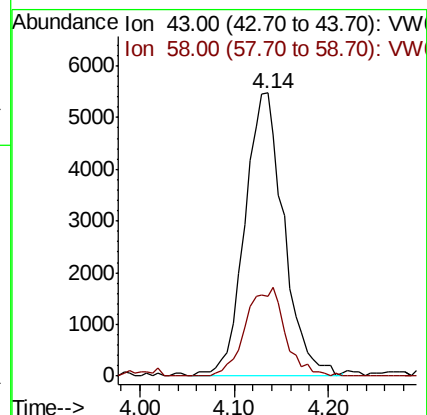
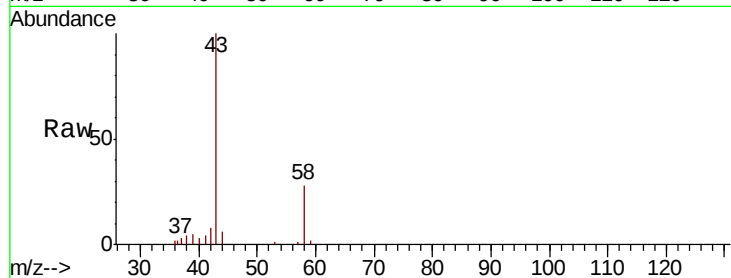
SP-1-1

Tgt Ion: 43 Resp: 15928

Ion Ratio Lower Upper

43 100

58 28.3 27.5 41.3



#20

Methylene Chloride

Concen: 3.810 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Tgt Ion: 84 Resp: 6549

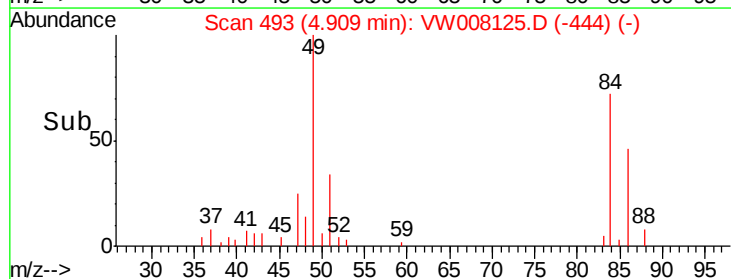
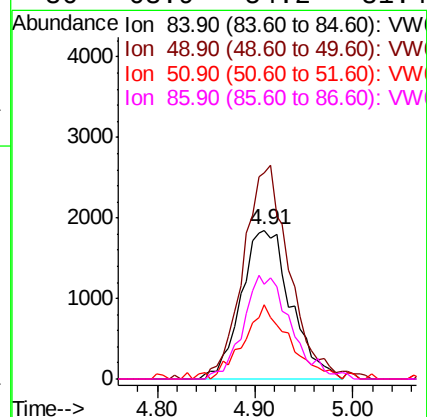
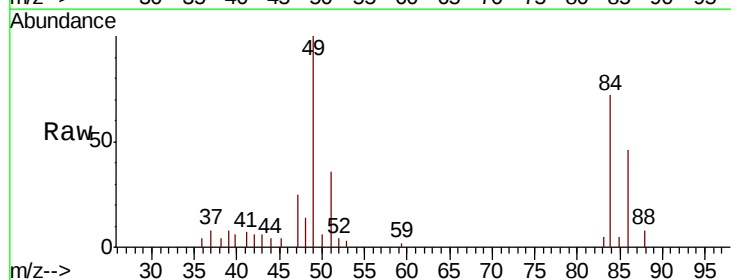
Ion Ratio Lower Upper

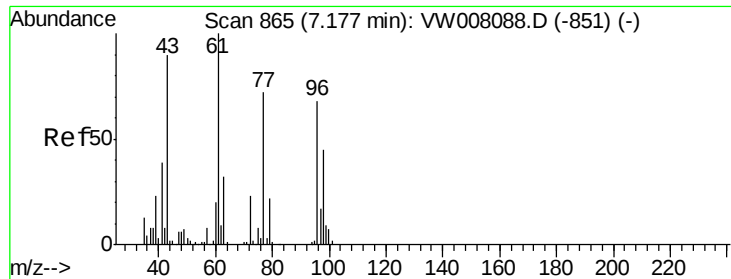
84 100

49 138.5 107.1 160.7

51 50.1 32.4 48.6#

86 63.9 54.2 81.4





#25

2-Butanone

Concen: 19.673 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Instrument :

MSVOA_W

ClientSampled :

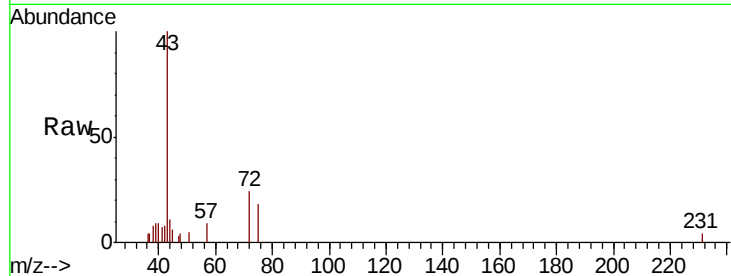
SP-1-1

Tgt Ion: 43 Resp: 4412

Ion Ratio Lower Upper

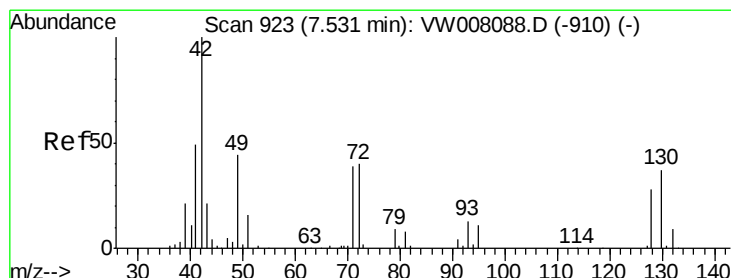
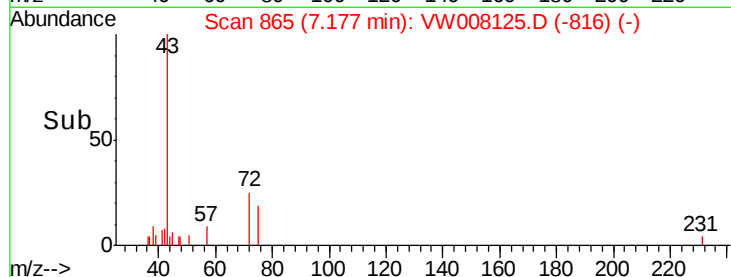
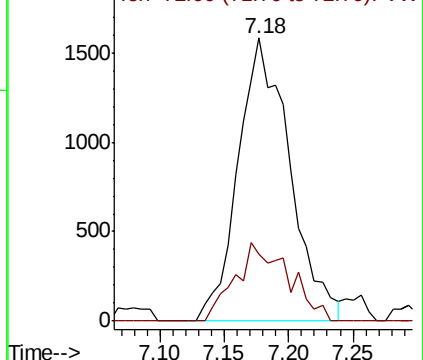
43 100

72 23.7 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.315 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

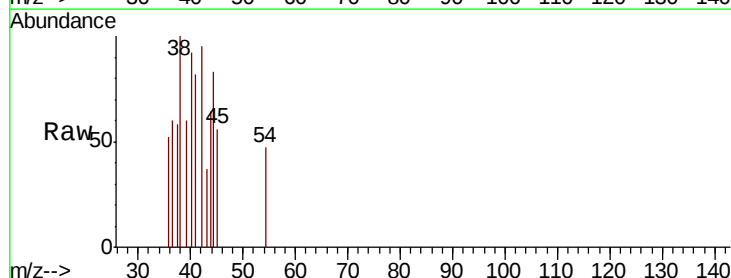
Tgt Ion: 42 Resp: 197

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

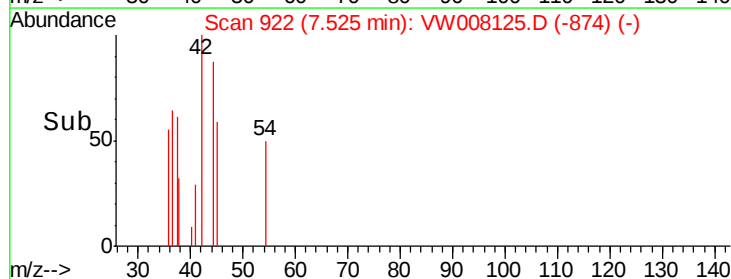
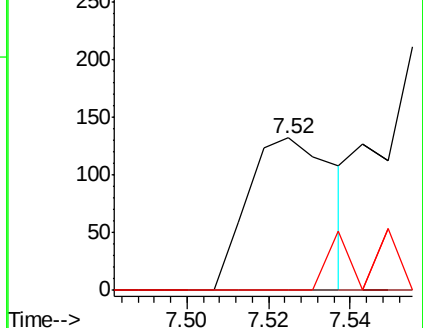
71 0.0 31.3 46.9#

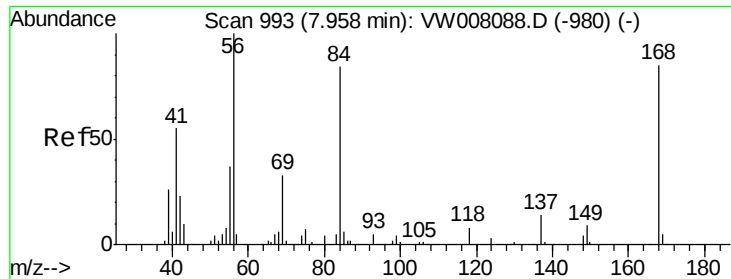


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

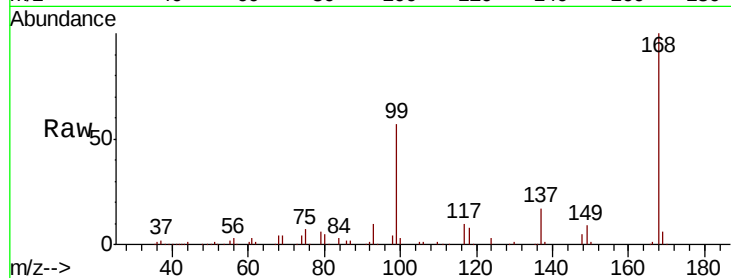




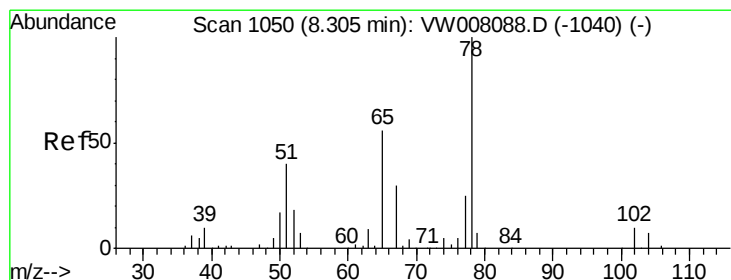
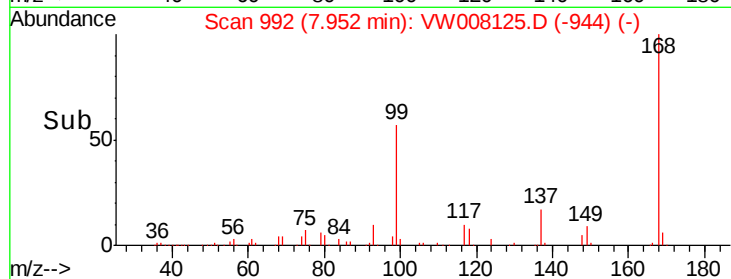
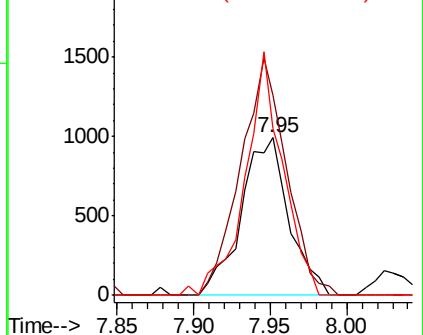
#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008125.D
Acq: 10 Jan 2019 02:45

Instrument :
MSVOA_W
ClientSampleId :
SP-1-1

Tgt Ion: 56 Resp: 2150
Ion Ratio Lower Upper
56 100
69 127.6 26.2 39.4#
84 106.1 67.4 101.2#

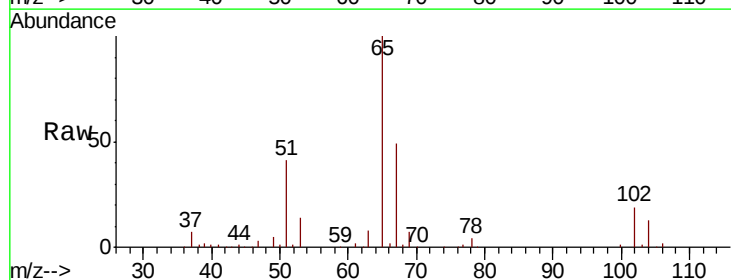


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

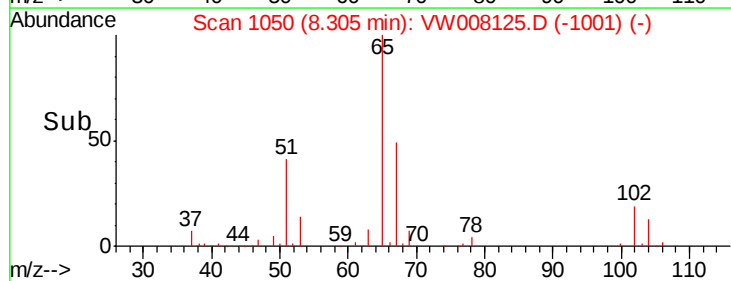
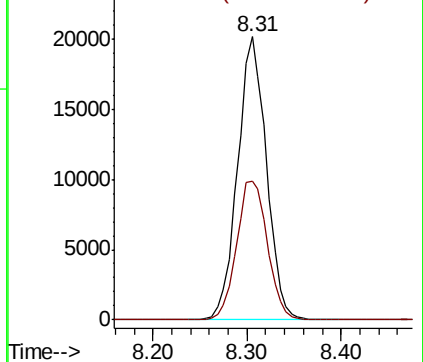


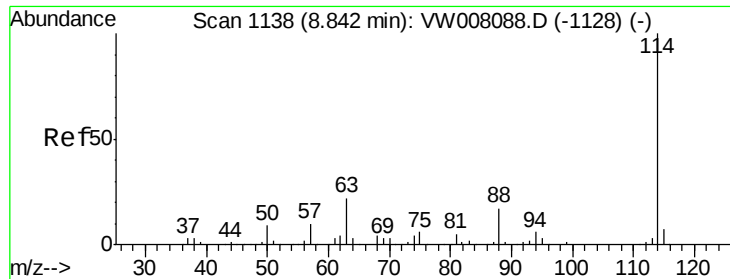
#33
1,2-Dichloroethane-d4
Concen: 53.085 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008125.D
Acq: 10 Jan 2019 02:45

Tgt Ion: 65 Resp: 42790
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

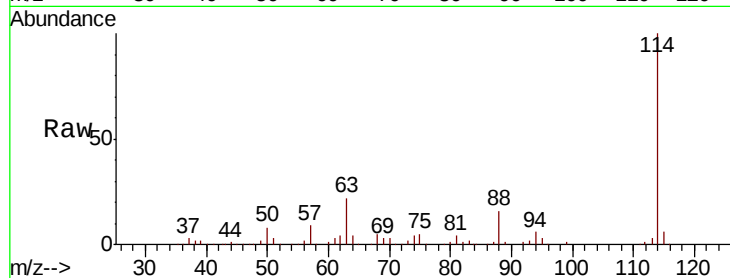




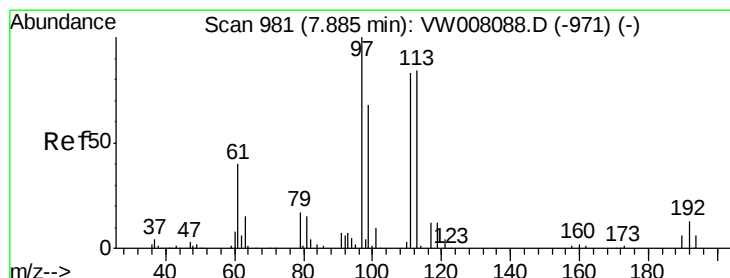
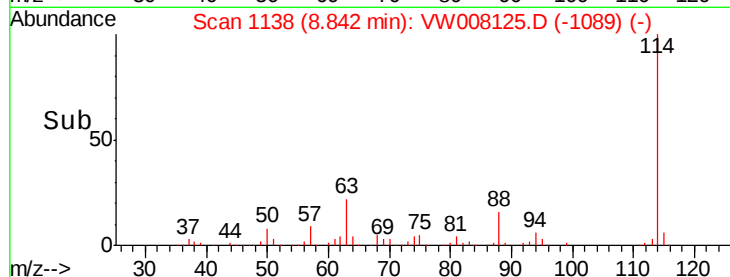
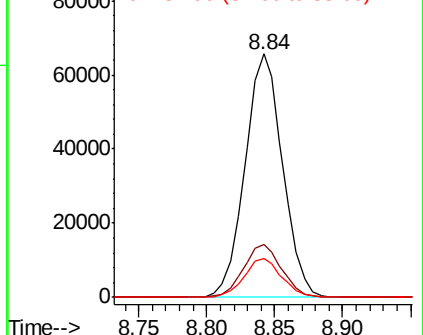
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008125.D
 Acq: 10 Jan 2019 02:45

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-1

Tgt Ion:114 Resp: 126785
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 15.7 0.0 33.4

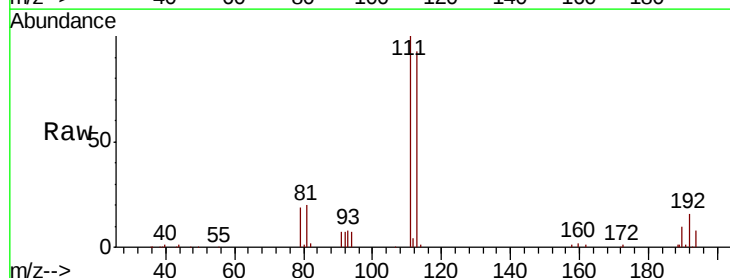


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

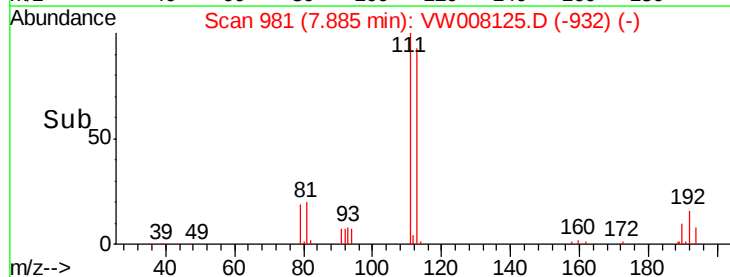
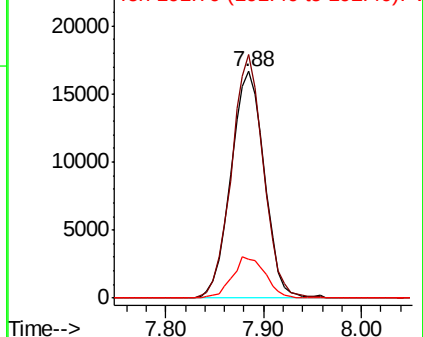


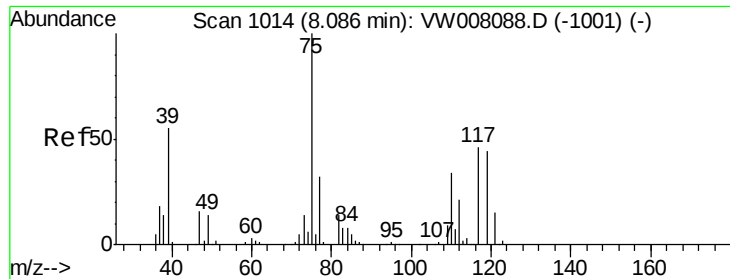
#35
 Dibromofluoromethane
 Concen: 53.315 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008125.D
 Acq: 10 Jan 2019 02:45

Tgt Ion:113 Resp: 39424
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.8
 192 17.9 12.8 19.2



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

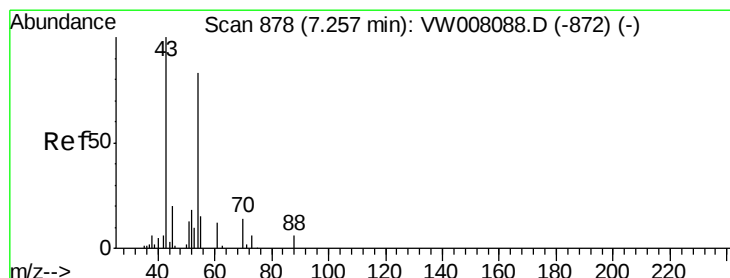
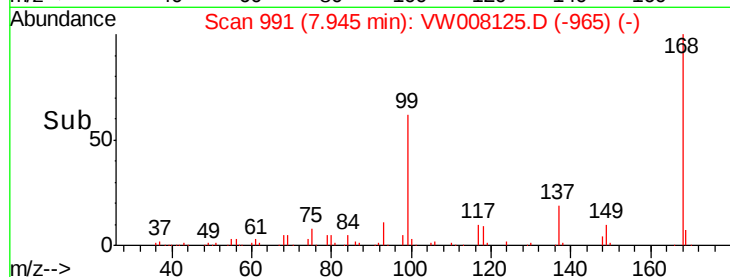
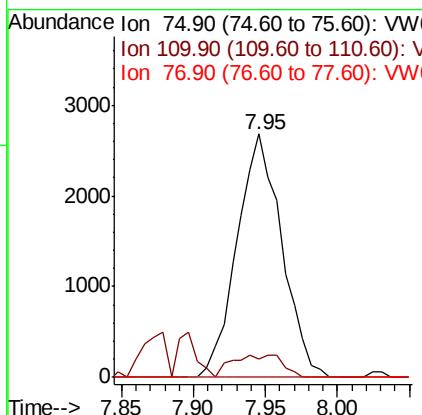
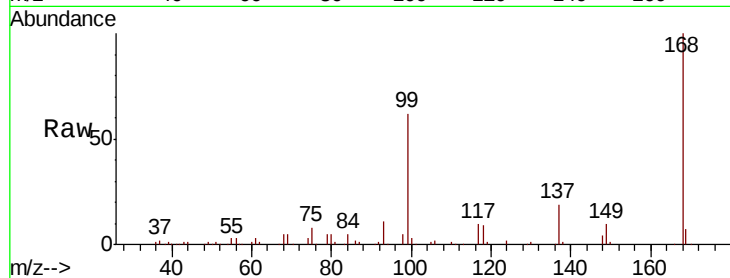




#36
 1,1-Dichloropropene
 Concen: 4.420 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008125.D
 Acq: 10 Jan 2019 02:45

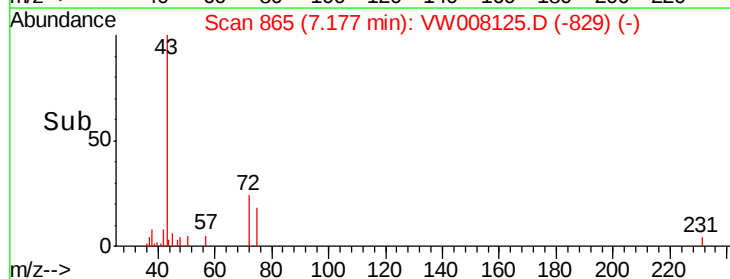
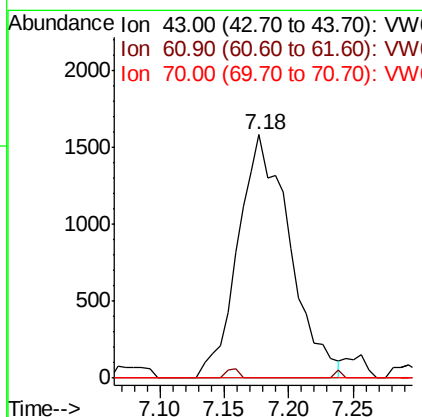
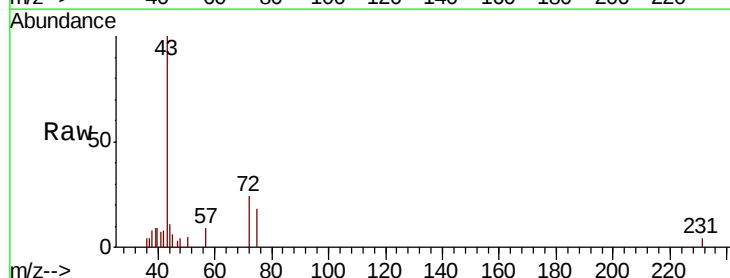
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-1

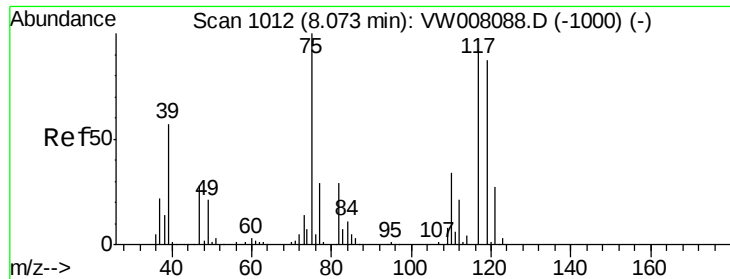
Tgt Ion: 75 Resp: 5773
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.1 51.3#
 77 0.0 25.5 38.3#



#37
 Ethyl Acetate
 Concen: 8.432 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VW008125.D
 Acq: 10 Jan 2019 02:45

Tgt Ion: 43 Resp: 4412
 Ion Ratio Lower Upper
 43 100
 61 0.9 10.6 16.0#
 70 0.0 8.9 13.3#





#38

Carbon Tetrachloride

Concen: 5.999 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Instrument :

MSVOA_W

ClientSampleId :

SP-1-1

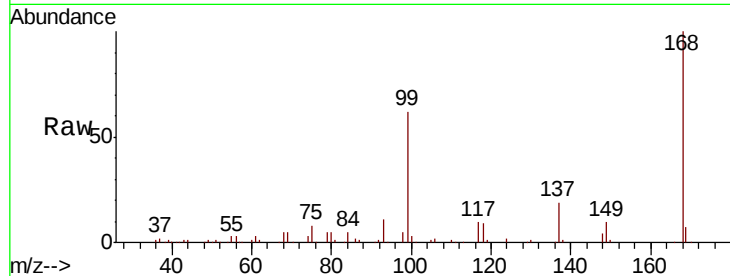
Tgt Ion:117 Resp: 7171

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

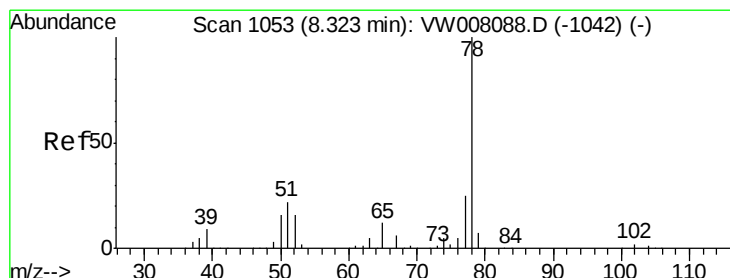
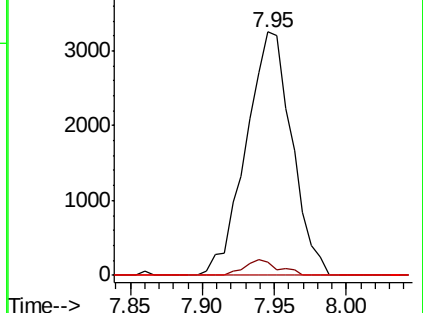
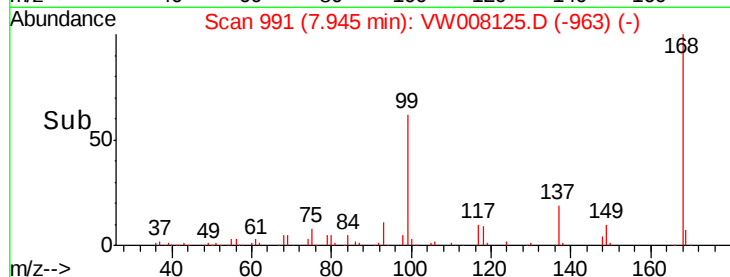
121 0.0 23.7 35.5#



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



#40

Benzene

Concen: 1.160 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW008125.D

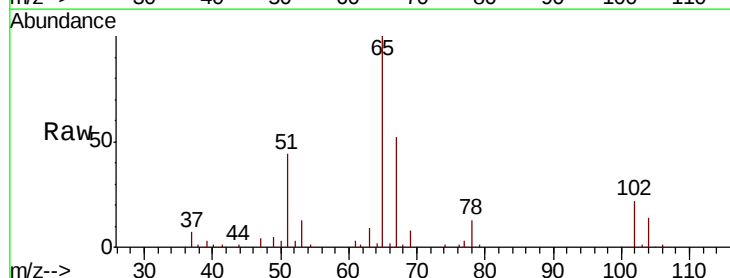
Acq: 10 Jan 2019 02:45

Tgt Ion: 78 Resp: 4109

Ion Ratio Lower Upper

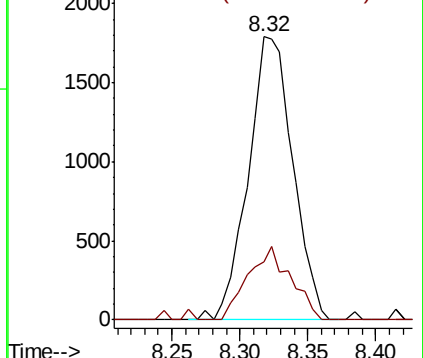
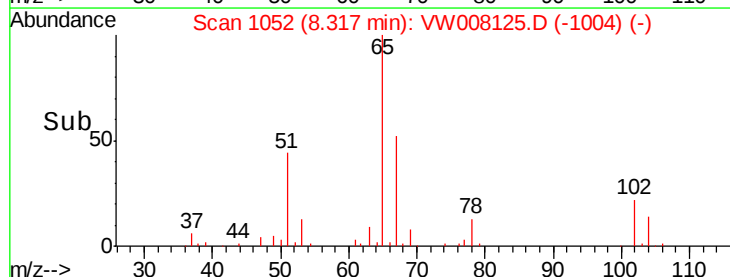
78 100

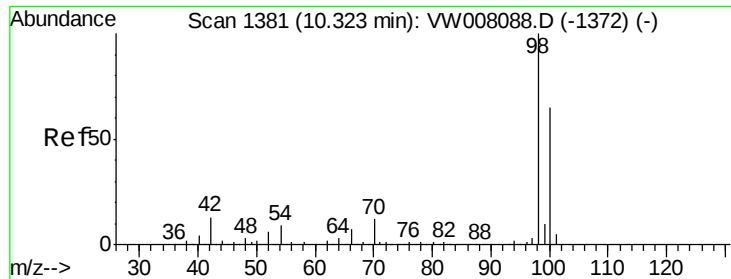
77 20.4 20.2 30.4



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 51.534 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Instrument :

MSVOA_W

ClientSampled :

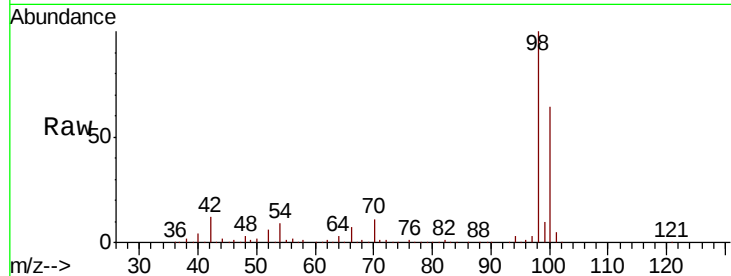
SP-1-1

Tgt Ion: 98 Resp: 159913

Ion Ratio Lower Upper

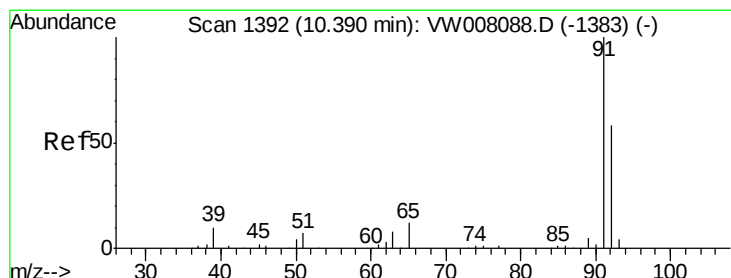
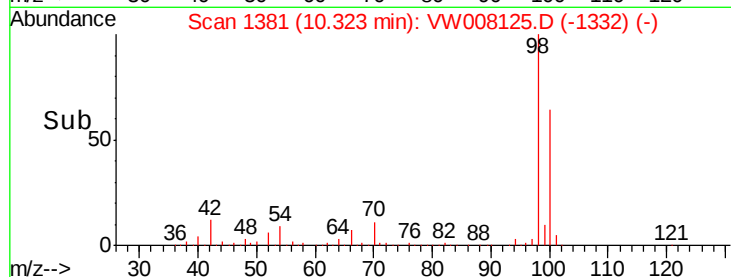
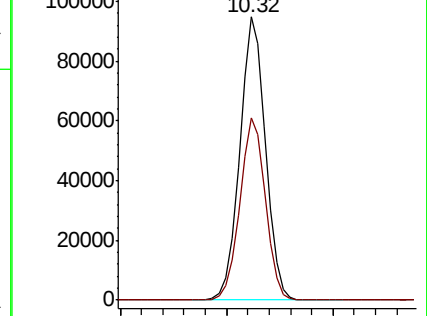
98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 11.508 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008125.D

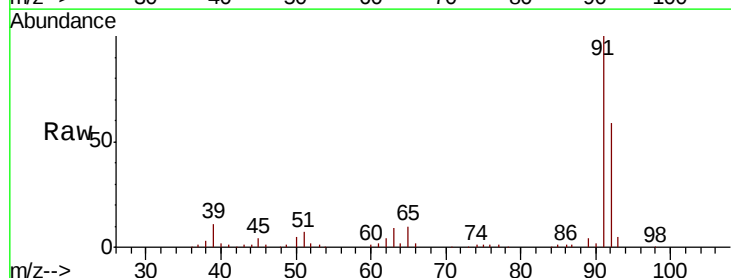
Acq: 10 Jan 2019 02:45

Tgt Ion: 92 Resp: 26033

Ion Ratio Lower Upper

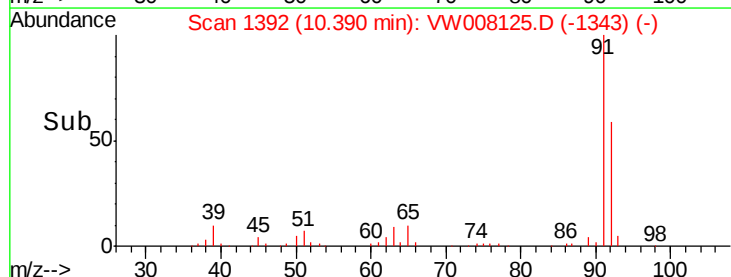
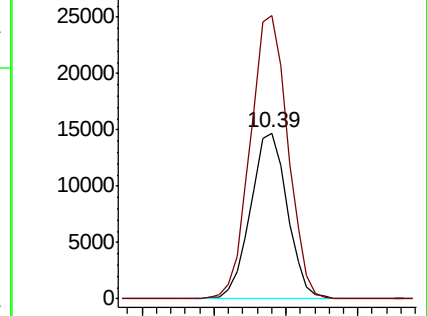
92 100

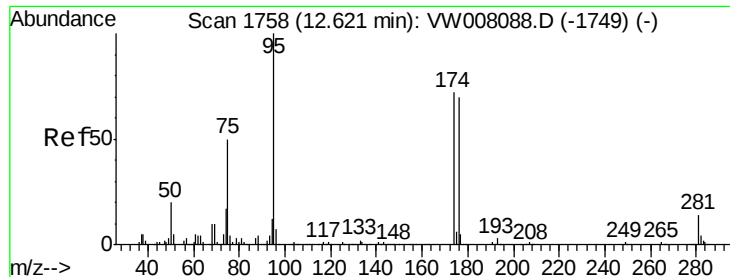
91 173.9 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 45.053 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Instrument :

MSVOA_W

ClientSampleId :

SP-1-1

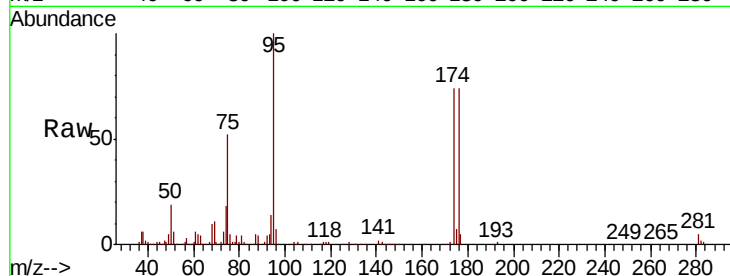
Tgt Ion: 95 Resp: 50119

Ion Ratio Lower Upper

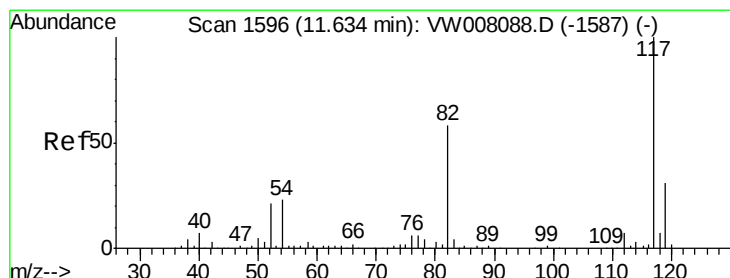
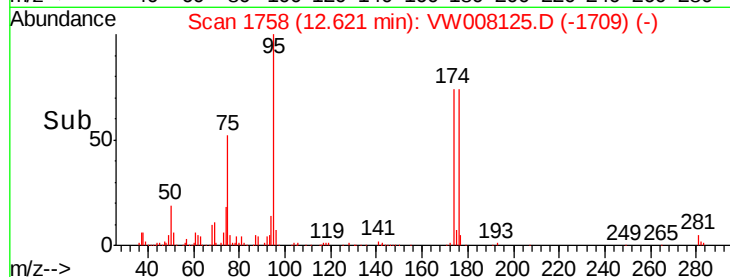
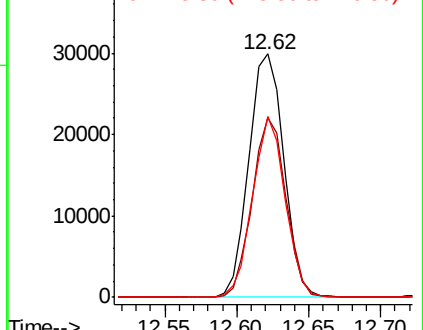
95 100

174 71.4 0.0 143.0

176 69.0 0.0 140.2



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

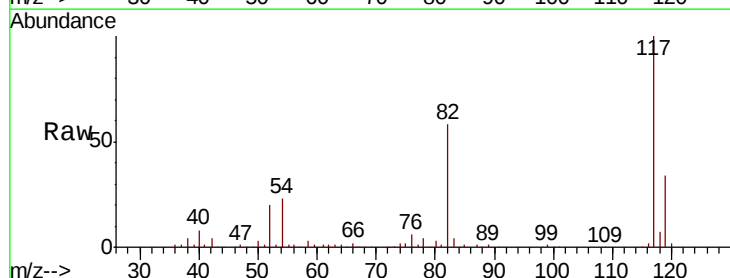
Tgt Ion: 117 Resp: 109331

Ion Ratio Lower Upper

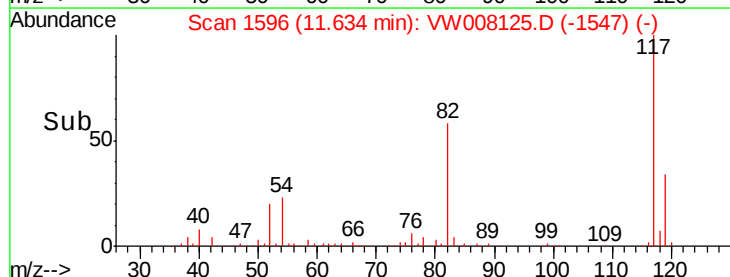
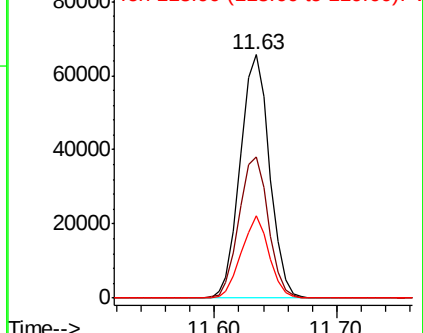
117 100

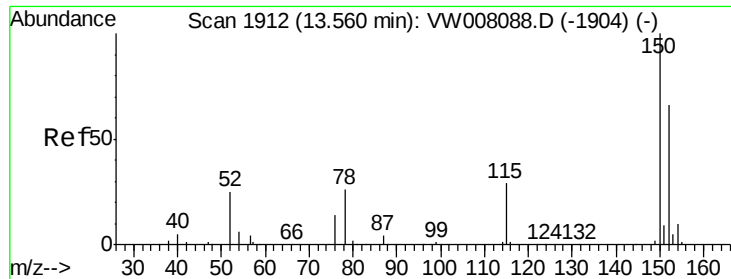
82 57.8 46.4 69.6

119 33.7 24.7 37.1



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: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Instrument :

MSVOA_W

ClientSampleId :

SP-1-1

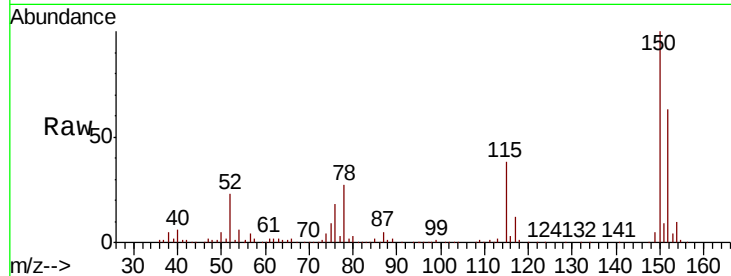
Tgt Ion:152 Resp: 44789

Ion Ratio Lower Upper

152 100

115 60.5 30.8 92.4

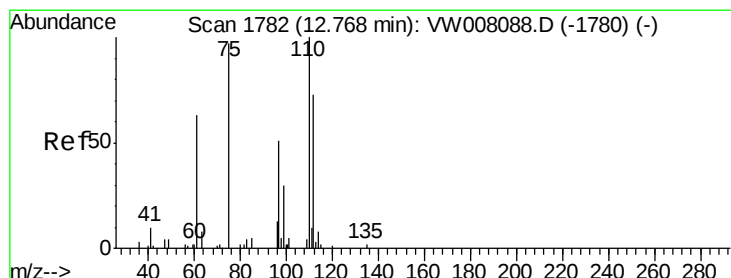
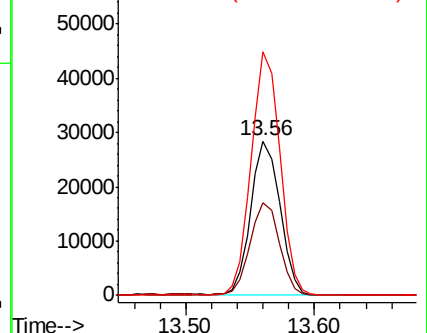
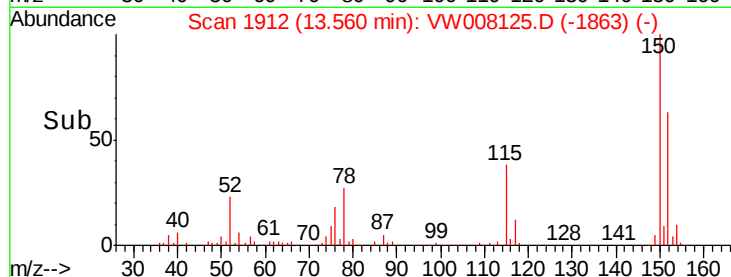
150 154.7 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 61.139 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008125.D

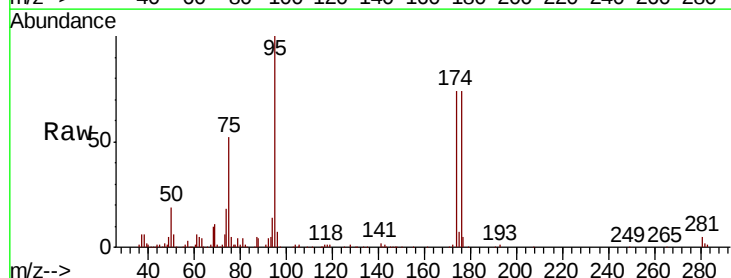
Acq: 10 Jan 2019 02:45

Tgt Ion: 75 Resp: 24963

Ion Ratio Lower Upper

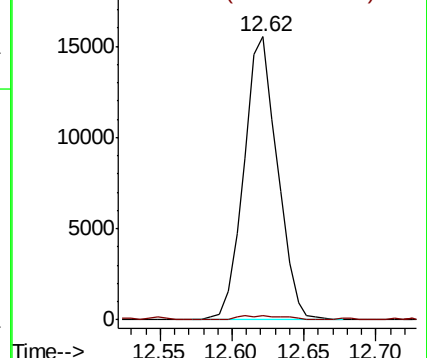
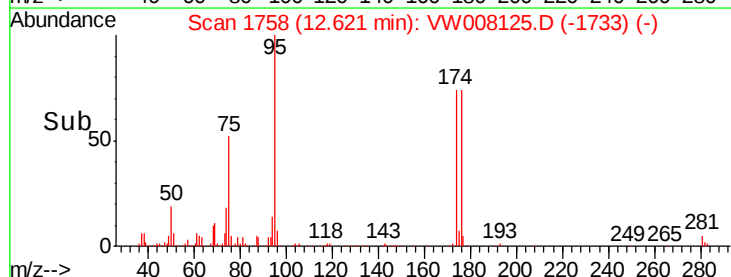
75 100

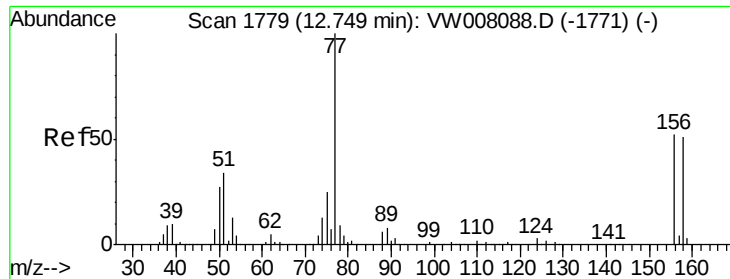
77 2.0 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 8.101 ug/l

RT: 12.92 min Scan# 1807

Delta R.T. 0.17 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

Instrument :

MSVOA_W

ClientSampled :

SP-1-1

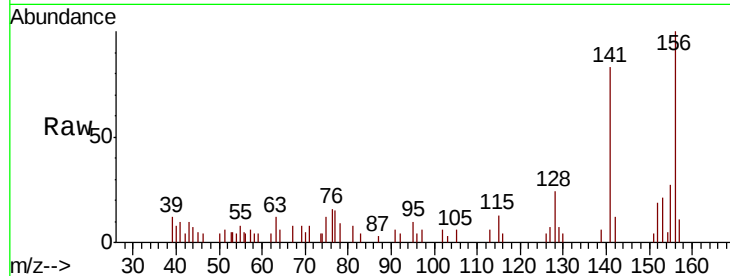
Tgt Ion: 156 Resp: 6019

Ion Ratio Lower Upper

156 100

77 0.0 104.2 312.5#

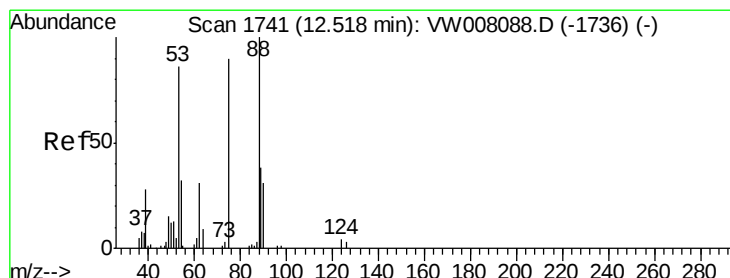
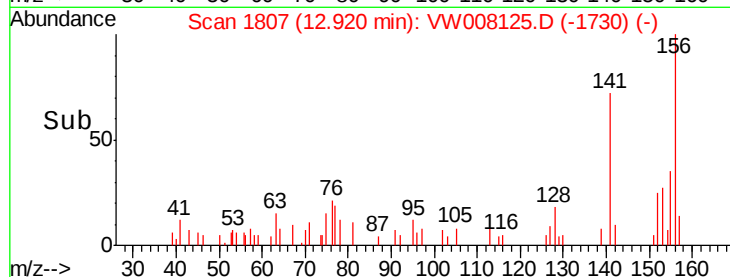
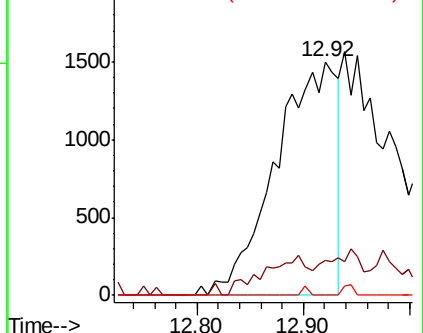
158 0.0 47.9 143.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 142.374 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008125.D

Acq: 10 Jan 2019 02:45

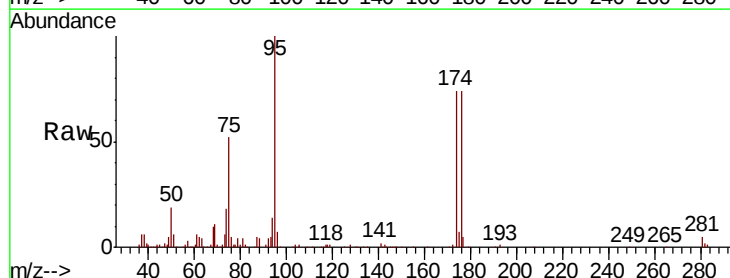
Tgt Ion: 75 Resp: 24963

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 35.4 53.2#



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

