

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011119\
 Data File : VW008233.D
 Acq On : 12 Jan 2019 10:41
 Operator : SY/VA
 Sample : K1122-08
 Misc : 5.89G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-6I(9-9.5)

Quant Time: Jan 14 10:57:00 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

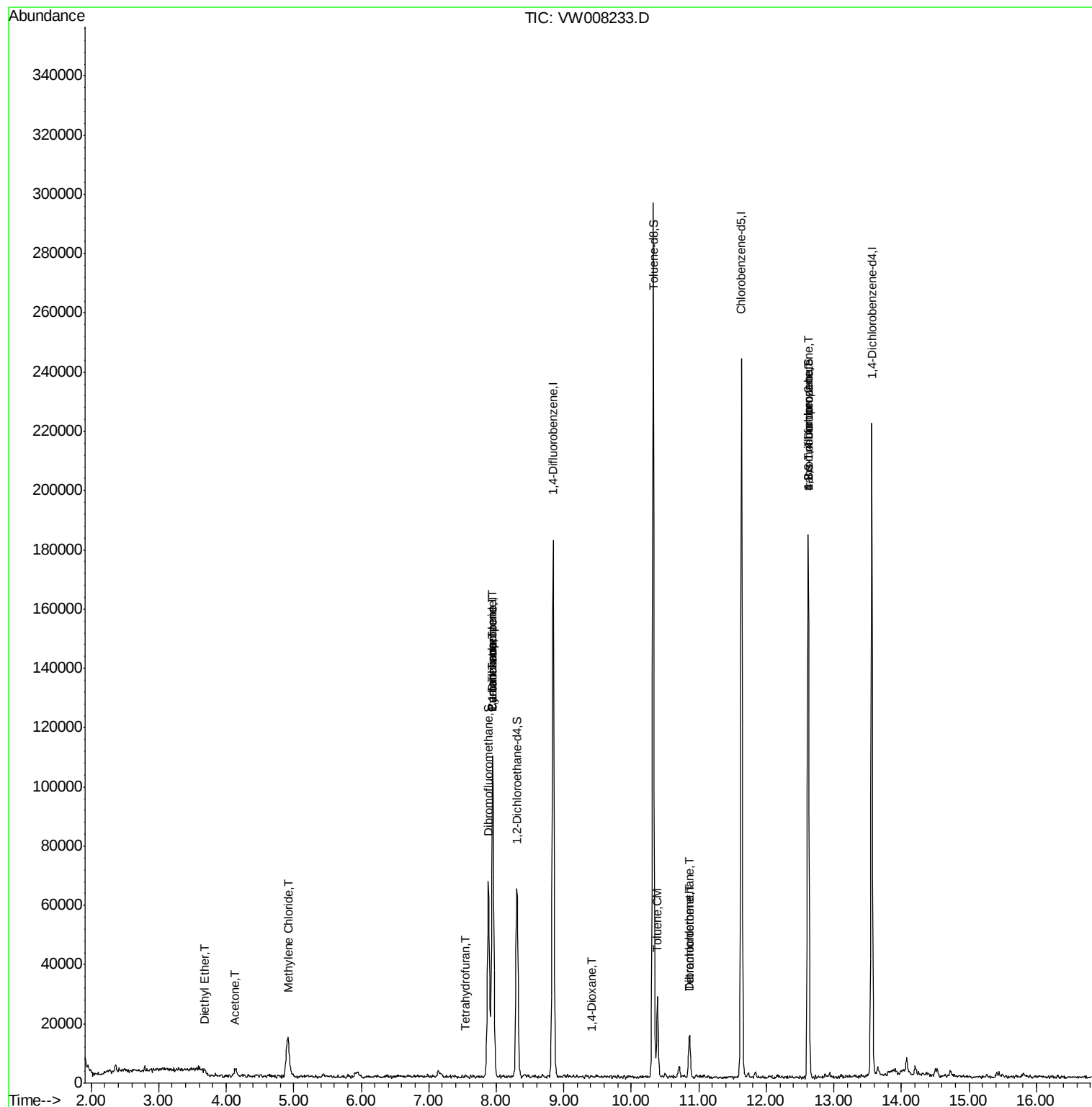
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	147182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54914	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49059	55.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.10%	
35) Dibromofluoromethane	7.88	113	46371	54.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.04%	
50) Toluene-d8	10.32	98	186864	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.62	95	58697	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	
Target Compounds						
8) Diethyl Ether	3.68	74	1222	2.449	ug/l	97
11) Tert butyl alcohol	5.25	59	70	Below Cal	#	100
13) Acrolein	3.91	56	82	Below Cal		88
16) Acetone	4.14	43	5366	13.824	ug/l	95
20) Methylene Chloride	4.92	84	10236	7.706	ug/l #	91
29) Tetrahydrofuran	7.54	42	513	3.126	ug/l #	43
31) Cyclohexane	7.95	56	1960	1.055	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	7229	4.768	ug/l #	51
38) Carbon Tetrachloride	7.95	117	8358	6.023	ug/l #	20
49) 1,4-Dioxane	9.41	88	23	2.856	ug/l #	1
52) Toluene	10.39	92	10858	4.135	ug/l	96
60) Dibromochloromethane	10.86	129	2788	3.611	ug/l #	11
64) Tetrachloroethene	10.87	164	3342	3.875	ug/l #	84
76) 1,2,3-Trichloropropane	12.62	75	30490	60.907	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	30490	141.833	ug/l #	11

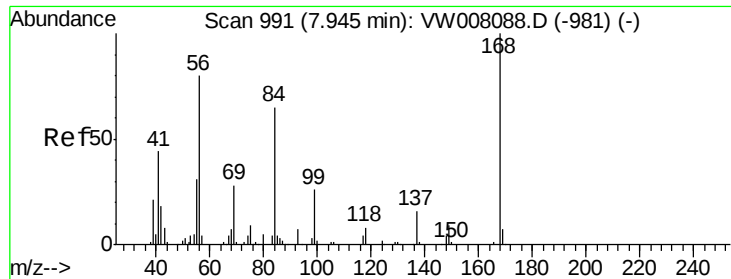
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

Instrument :

MSVOA_W

ClientSampled :

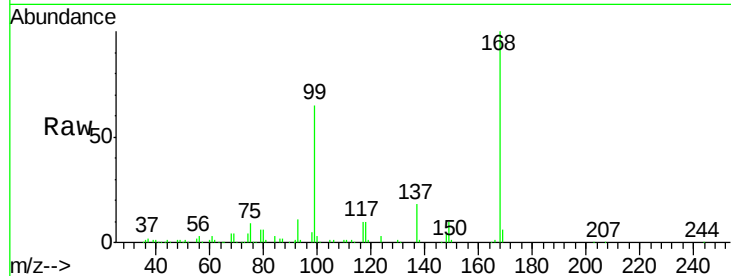
SB-6I(9-9.5)

Tgt Ion:168 Resp: 78573

Ion Ratio Lower Upper

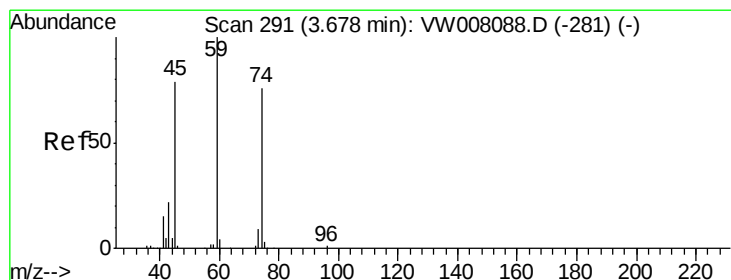
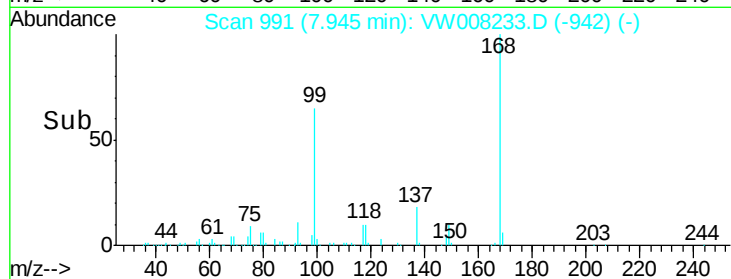
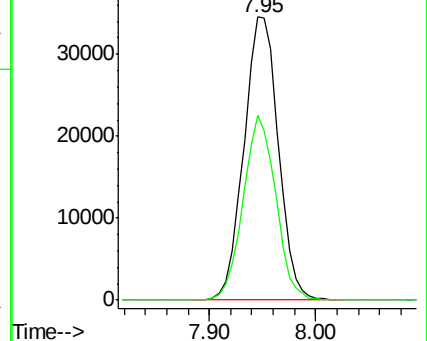
168 100

99 65.4 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: 2.449 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008233.D

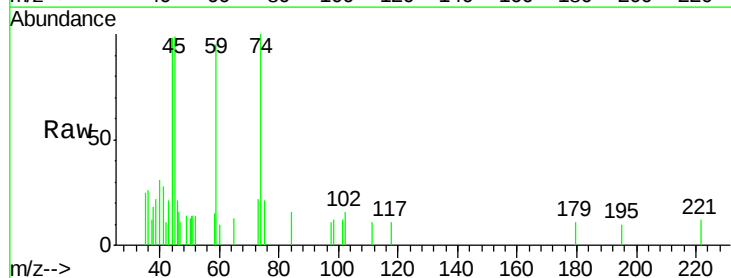
Acq: 12 Jan 2019 10:41

Tgt Ion: 74 Resp: 1222

Ion Ratio Lower Upper

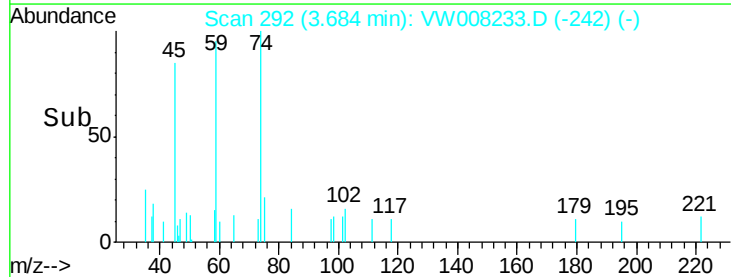
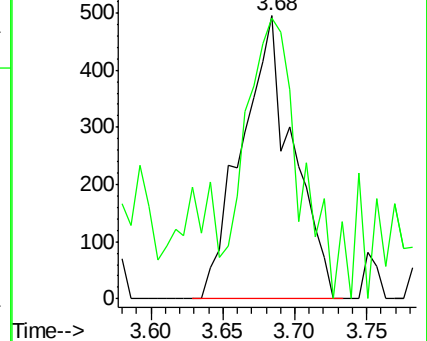
74 100

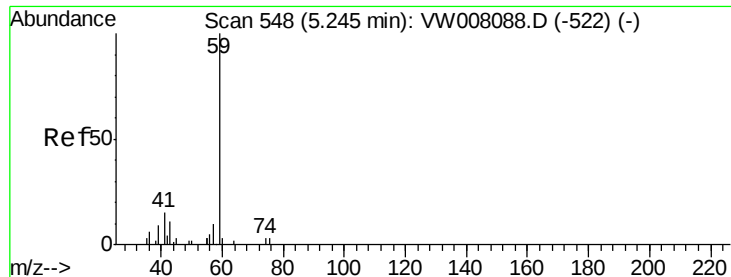
45 101.8 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



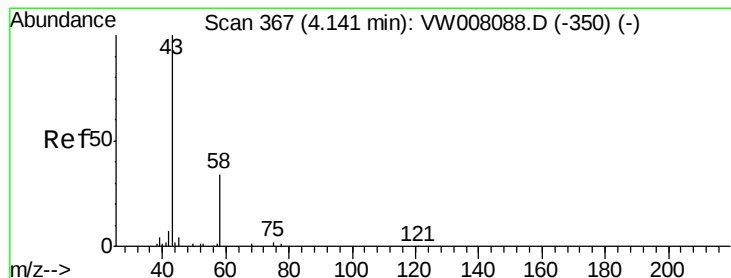
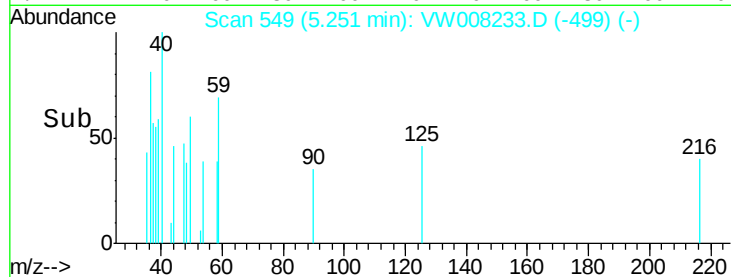
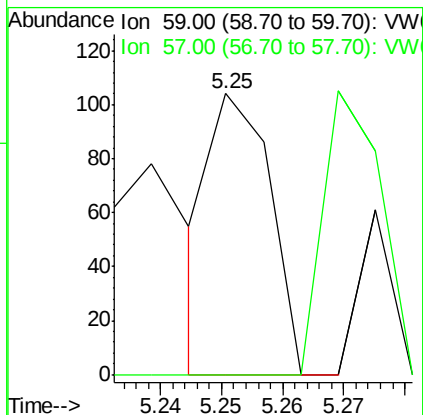
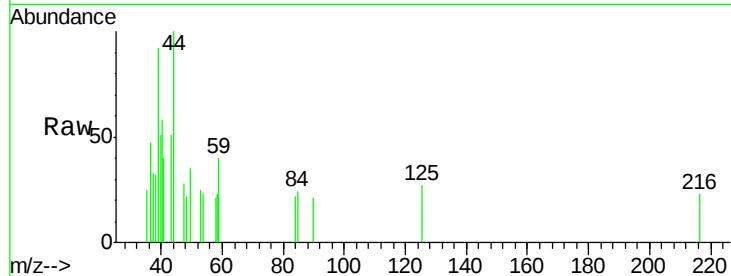


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 549
 Delta R.T. 0.01 min
 Lab File: VW008233.D
 Acq: 12 Jan 2019 10:41

Instrument :
 MSVOA_W
 ClientSampled :
 SB-6I(9-9.5)

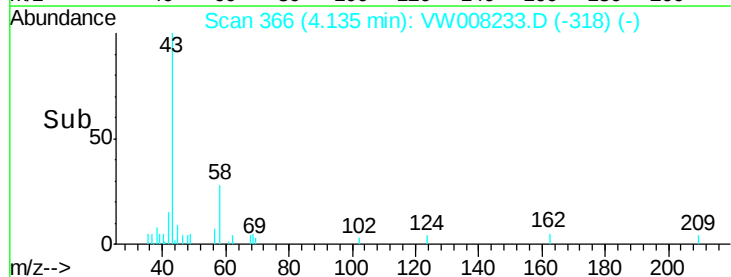
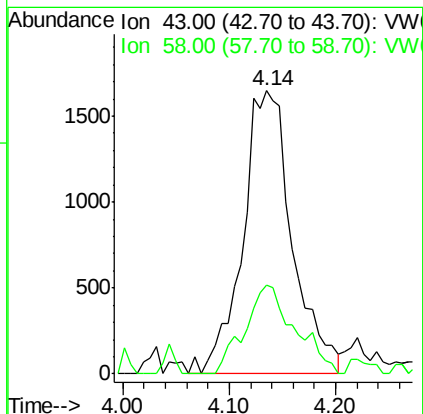
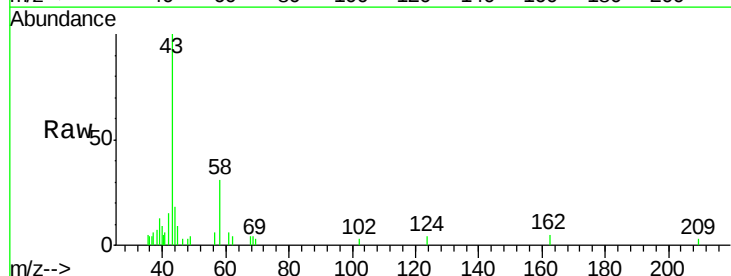
Tgt Ion: 59 Resp: 70
 Ion Ratio Lower Upper
 59 100
 57 98.6 0.0 0.0#

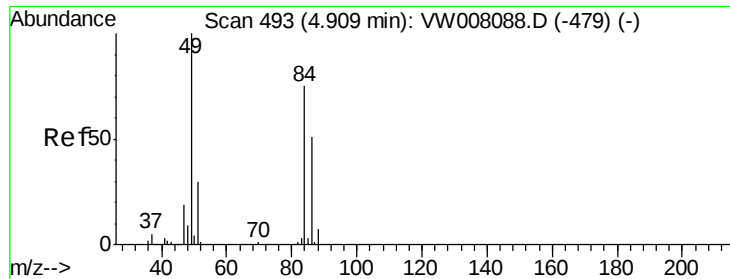


#16

Acetone
 Concen: 13.824 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VW008233.D
 Acq: 12 Jan 2019 10:41

Tgt Ion: 43 Resp: 5366
 Ion Ratio Lower Upper
 43 100
 58 31.3 27.5 41.3

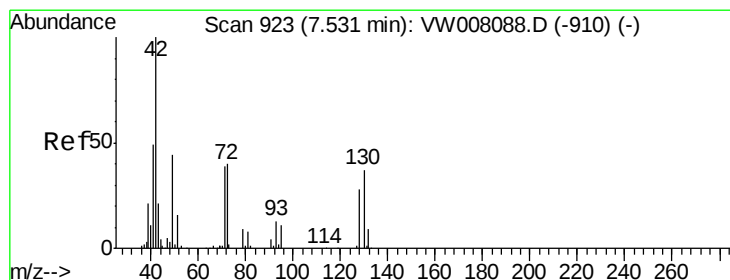
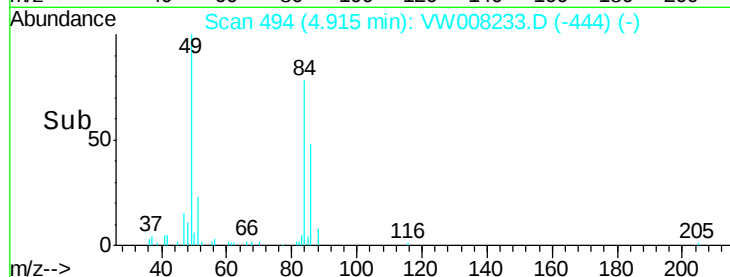
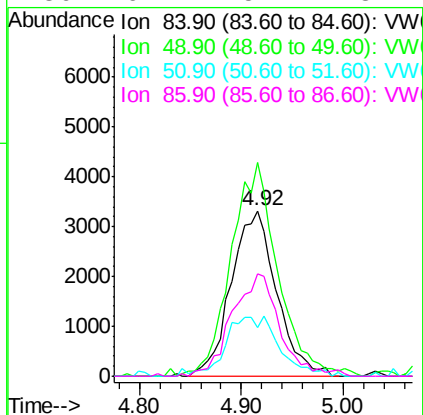
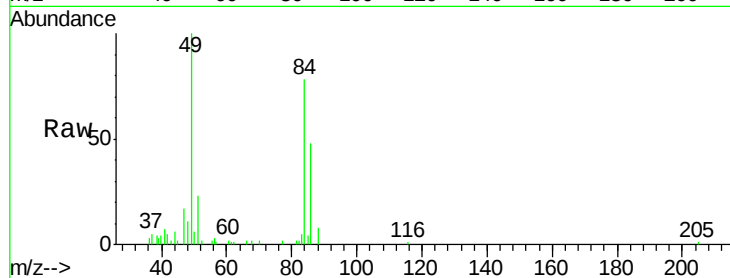




#20
Methylene Chloride
Concen: 7.706 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008233.D
Acq: 12 Jan 2019 10:41

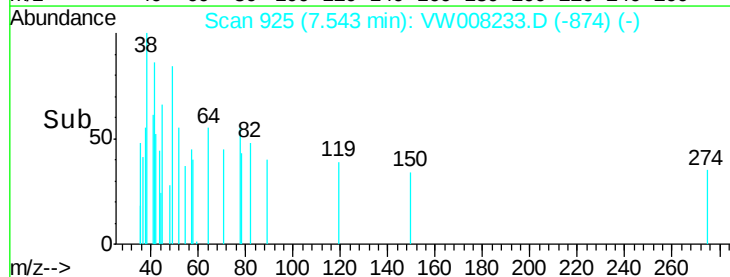
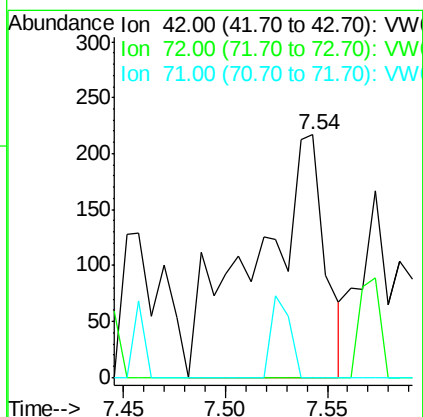
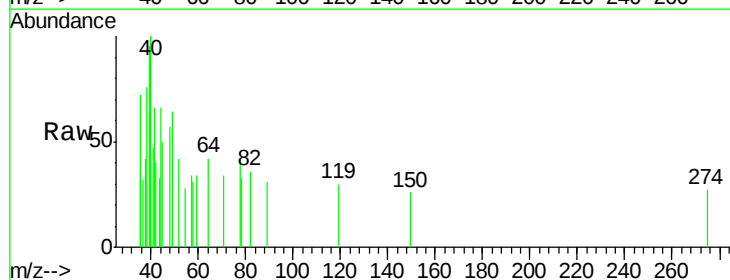
Instrument :
MSVOA_W
ClientSampleId :
SB-6I(9-9.5)

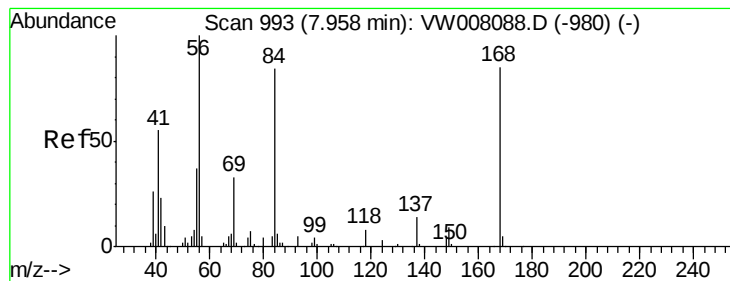
Tgt Ion: 84 Resp: 10236
Ion Ratio Lower Upper
84 100
49 126.1 107.1 160.7
51 27.7 32.4 48.6#
86 61.7 54.2 81.4



#29
Tetrahydrofuran
Concen: 3.126 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008233.D
Acq: 12 Jan 2019 10:41

Tgt Ion: 42 Resp: 513
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 9.2 31.3 46.9#





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

SB-6I(9-9.5)

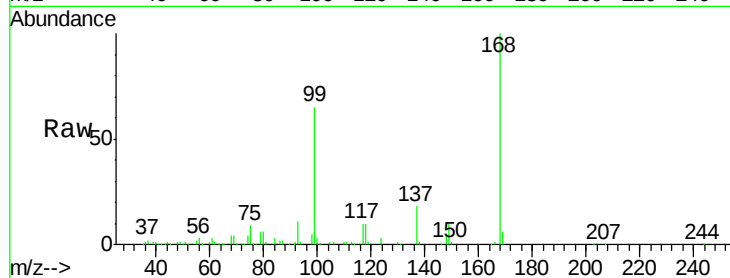
Tgt Ion: 56 Resp: 1960

Ion Ratio Lower Upper

56 100

69 137.0 26.2 39.4#

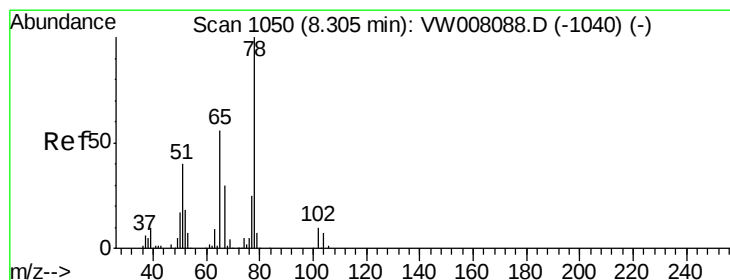
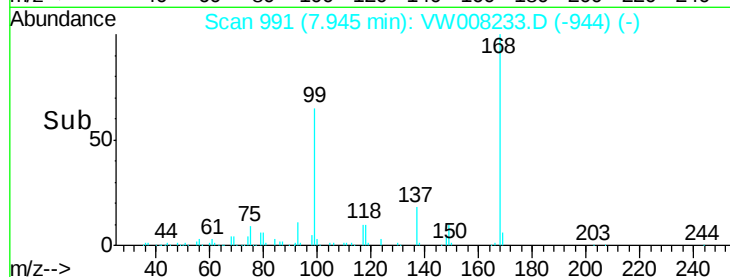
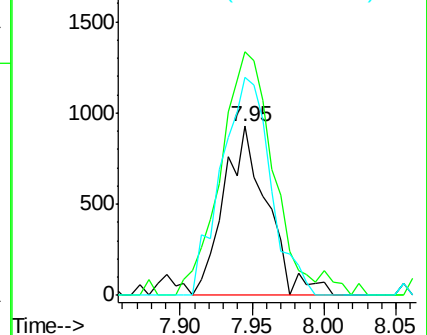
84 129.1 67.4 101.2#



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: 55.554 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008233.D

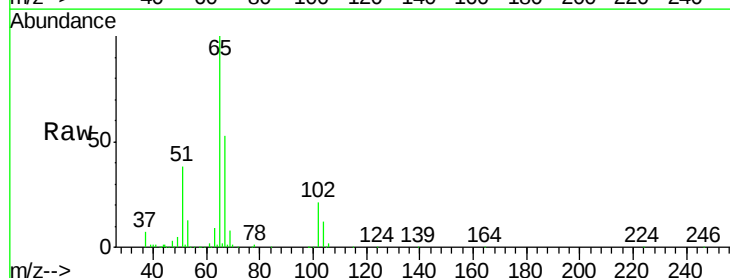
Acq: 12 Jan 2019 10:41

Tgt Ion: 65 Resp: 49059

Ion Ratio Lower Upper

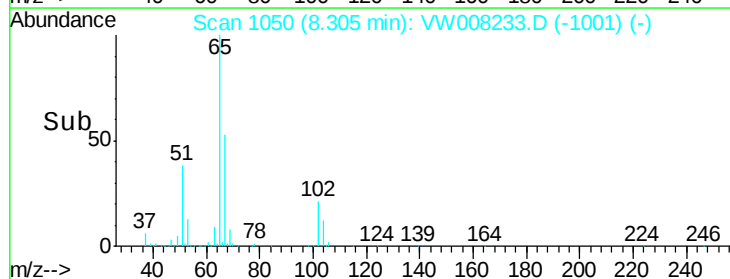
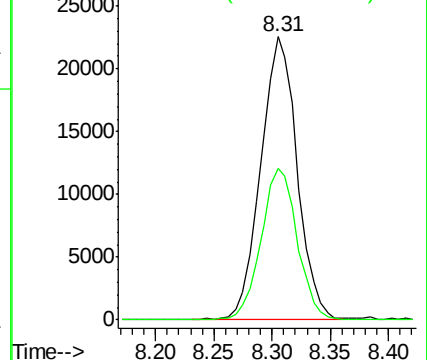
65 100

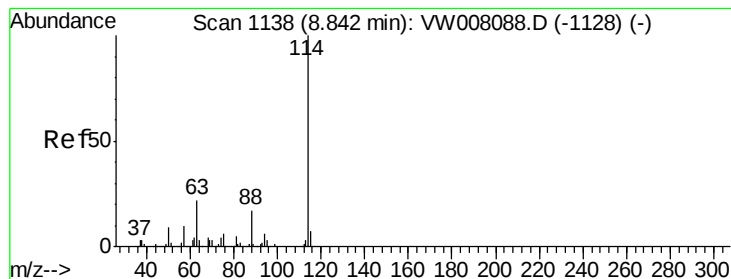
67 53.0 0.0 106.8



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: VW008233.D

Acq: 12 Jan 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

SB-6I(9-9.5)

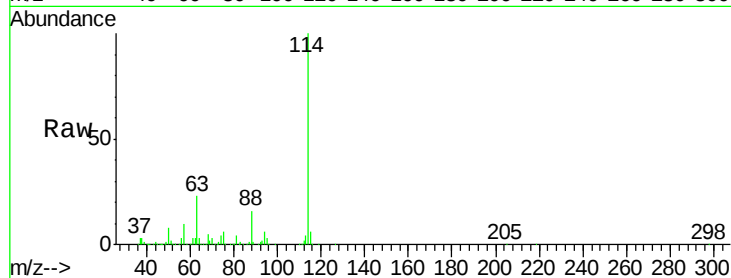
Tgt Ion:114 Resp: 147182

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.4

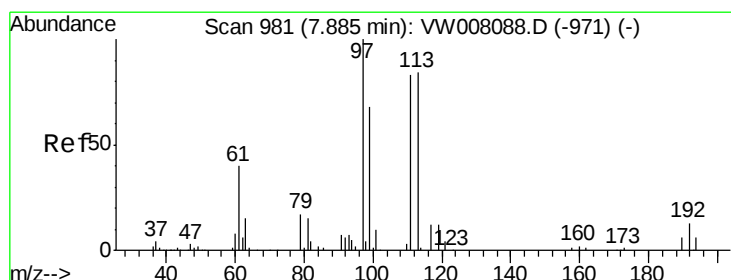
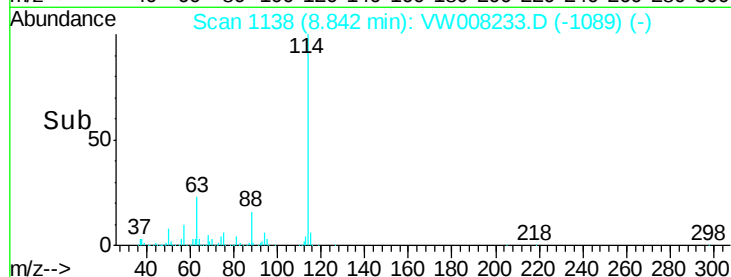
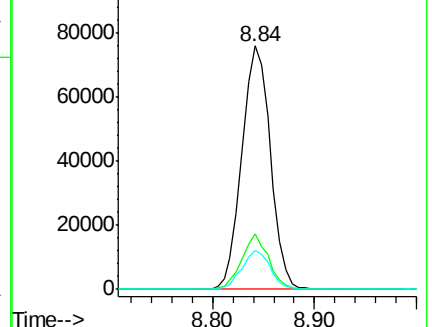
88 15.7 0.0 33.4



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: 54.019 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

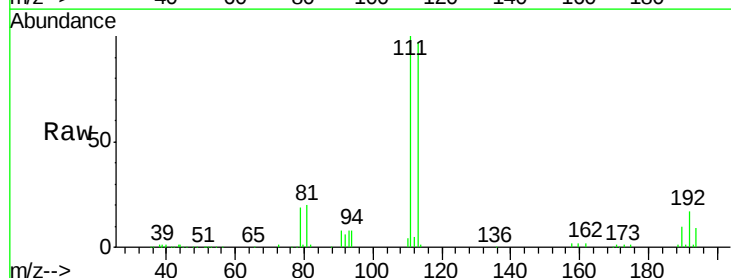
Tgt Ion:113 Resp: 46371

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

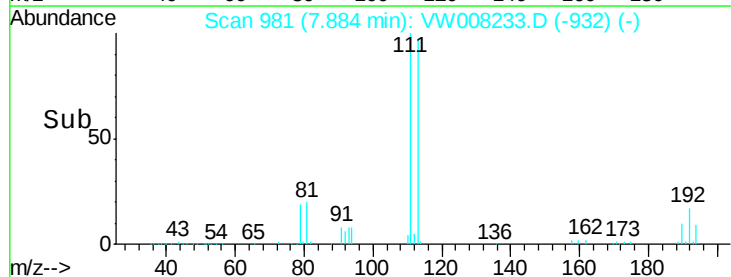
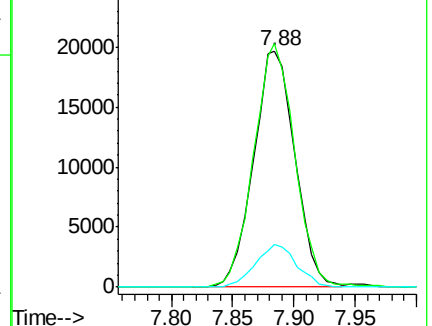
192 18.0 12.8 19.2

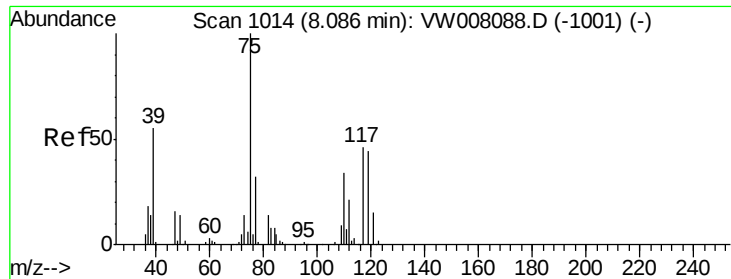


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

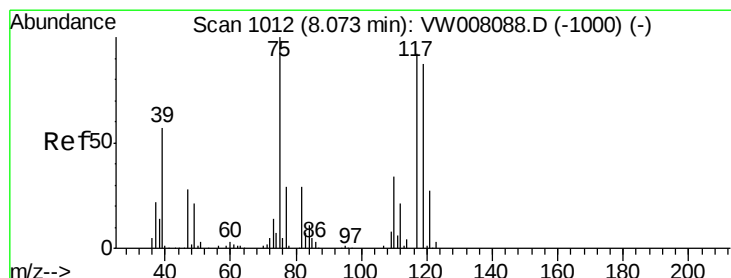
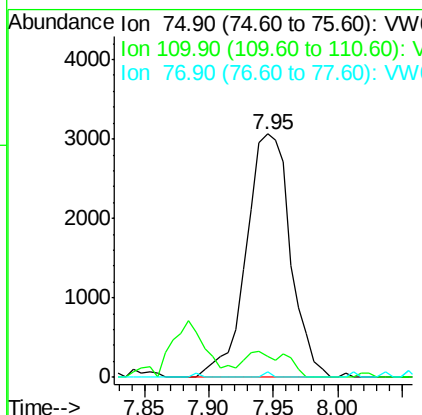
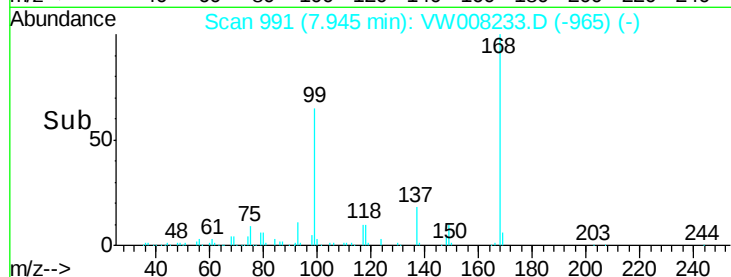
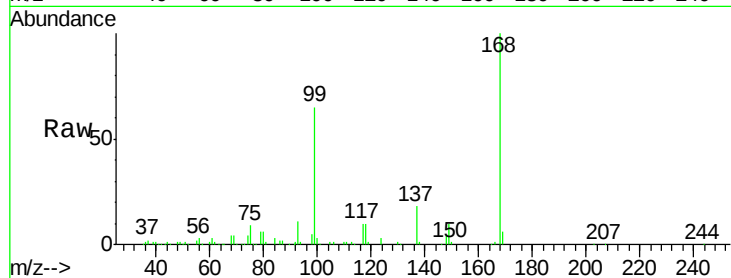




#36
 1,1-Dichloropropene
 Concen: 4.768 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008233.D
 Acq: 12 Jan 2019 10:41

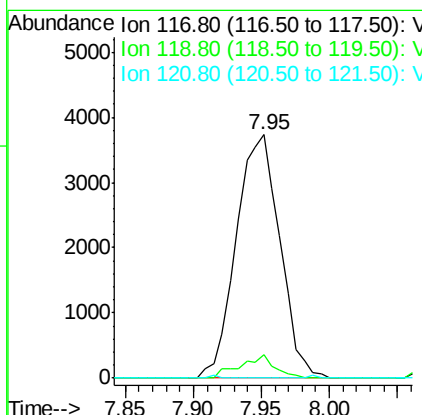
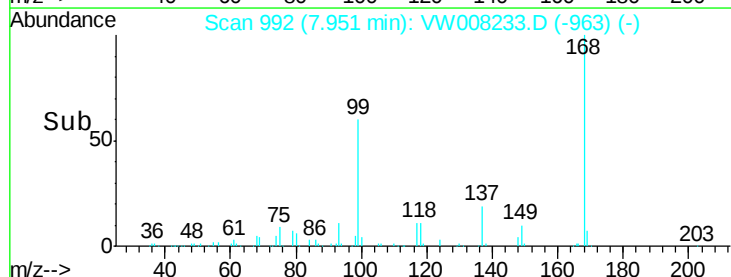
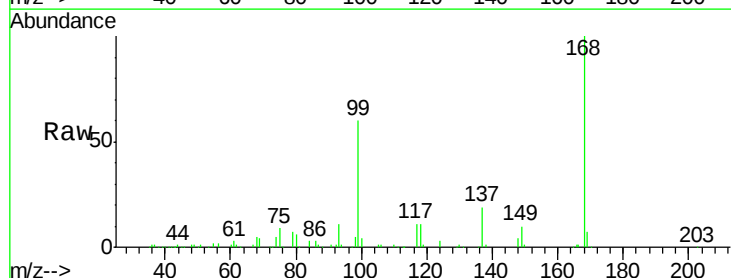
Instrument :
 MSVOA_W
 ClientSampled :
 SB-6I(9-9.5)

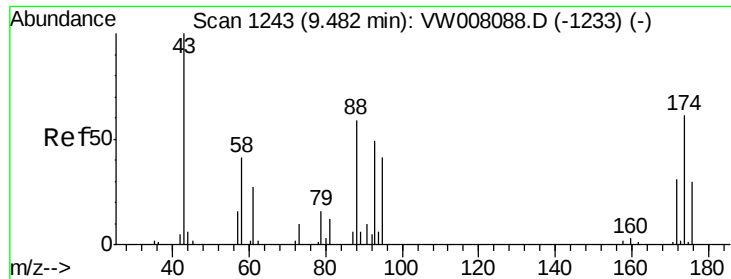
Tgt Ion: 75 Resp: 7229
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.1 51.3#
 77 0.3 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.023 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008233.D
 Acq: 12 Jan 2019 10:41

Tgt Ion: 117 Resp: 8358
 Ion Ratio Lower Upper
 117 100
 119 9.9 75.8 113.8#
 121 0.0 23.7 35.5#





#49

1,4-Dioxane

Concen: 2.856 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.07 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

SB-6I(9-9.5)

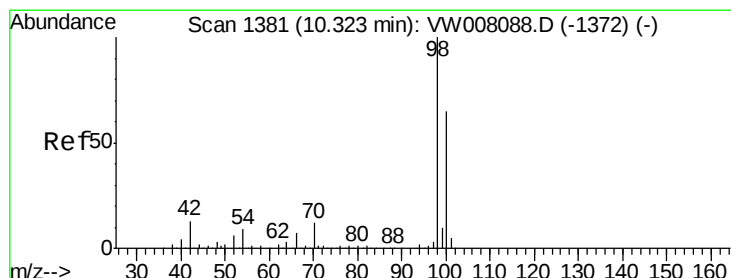
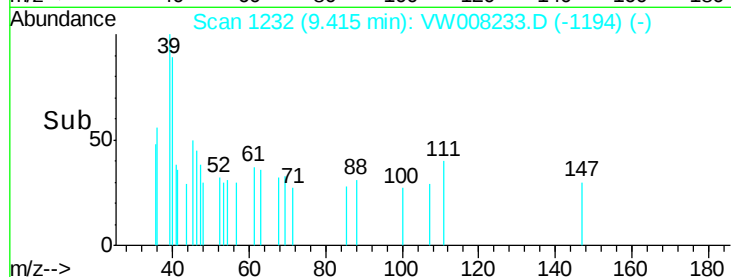
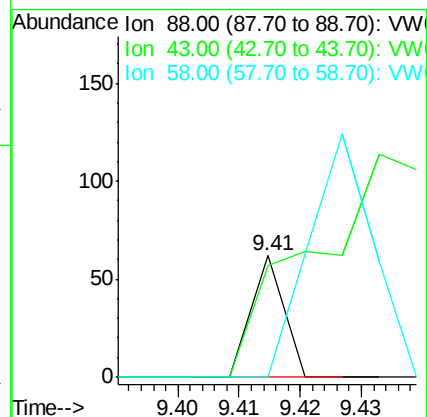
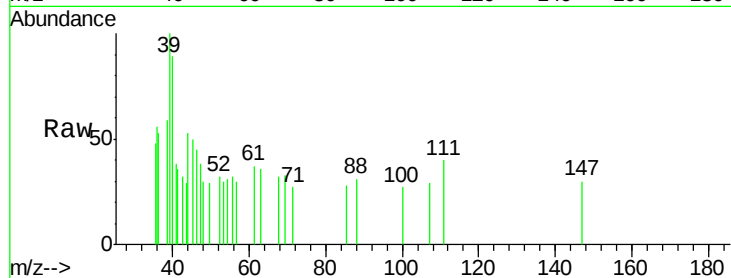
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 943.5 0.0 0.0#

58 391.3 61.7 92.5#



#50

Toluene-d8

Concen: 51.874 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008233.D

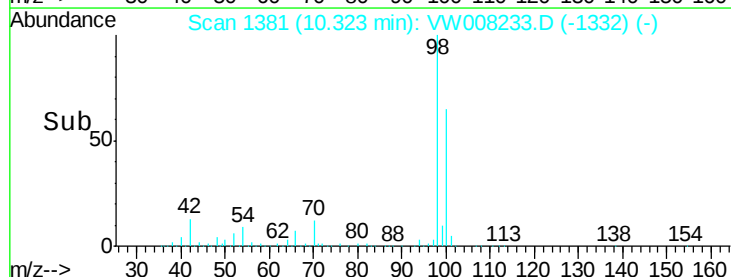
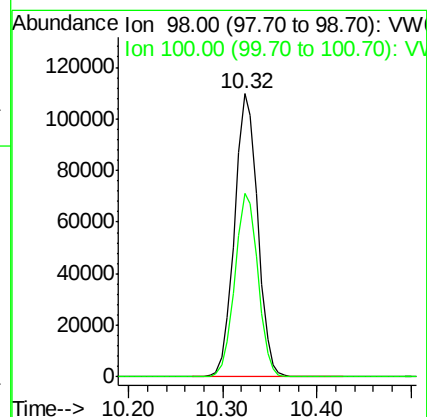
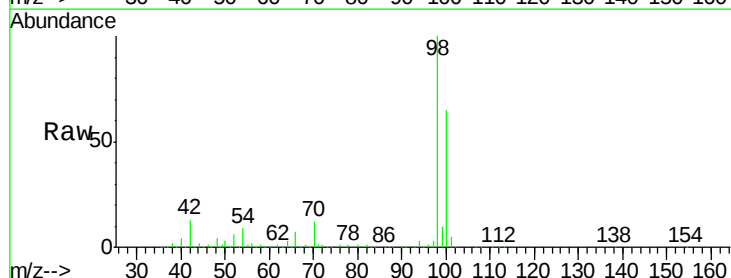
Acq: 12 Jan 2019 10:41

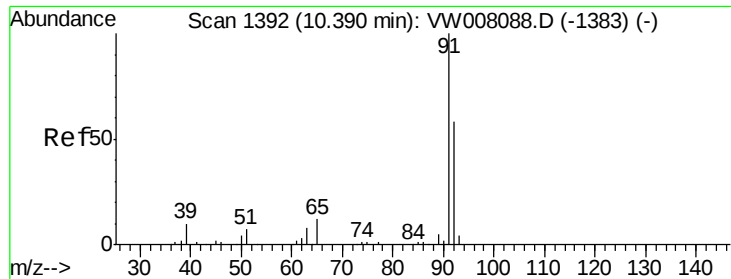
Tgt Ion: 98 Resp: 186864

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5





#52

Toluene

Concen: 4.135 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

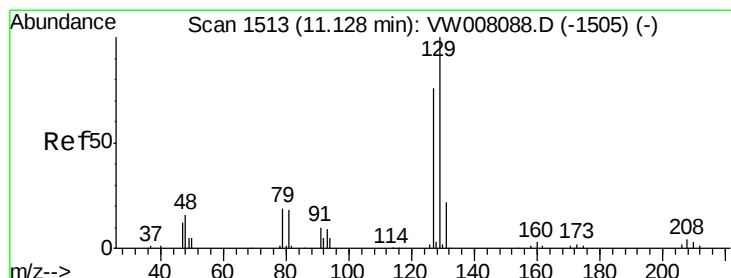
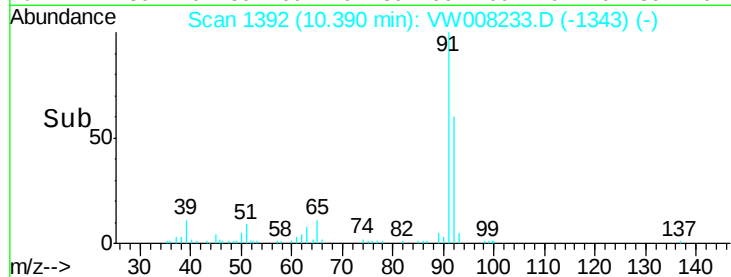
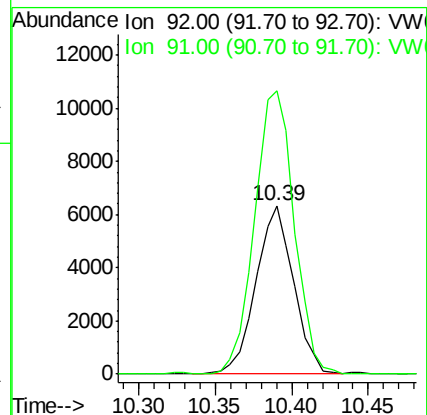
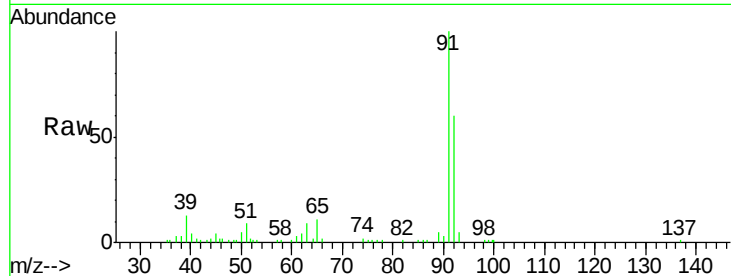
SB-6I(9-9.5)

Tgt Ion: 92 Resp: 10858

Ion Ratio Lower Upper

92 100

91 176.3 137.0 205.4



#60

Dibromochloromethane

Concen: 3.611 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW008233.D

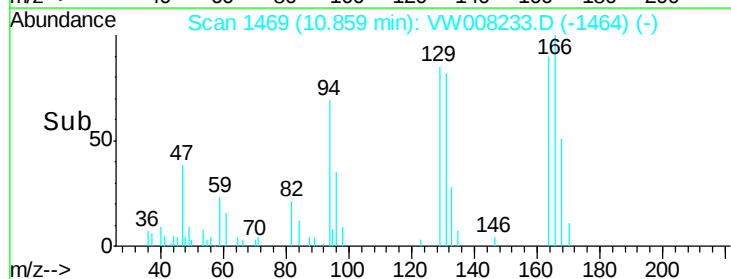
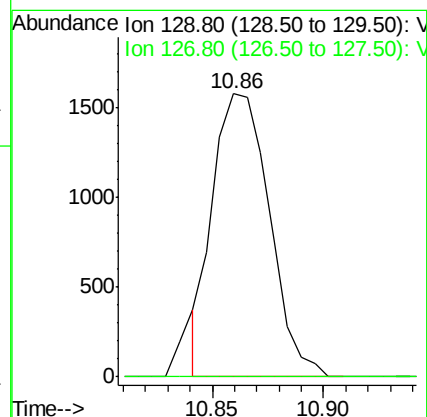
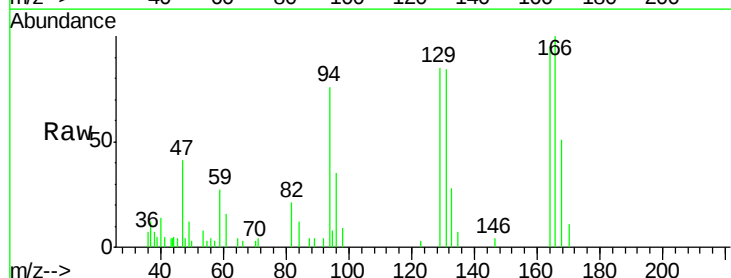
Acq: 12 Jan 2019 10:41

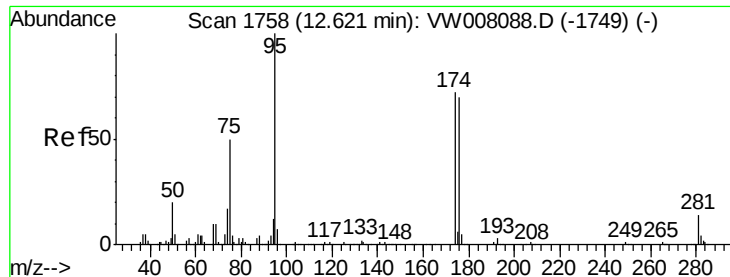
Tgt Ion: 129 Resp: 2788

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.6#





#62

4-Bromofluorobenzene

Concen: 45.452 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

SB-6I(9-9.5)

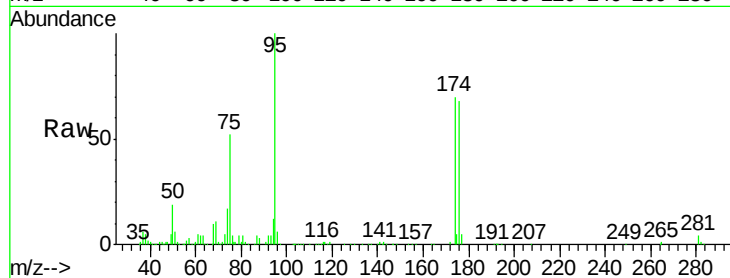
Tgt Ion: 95 Resp: 58697

Ion Ratio Lower Upper

95 100

174 73.8 0.0 143.0

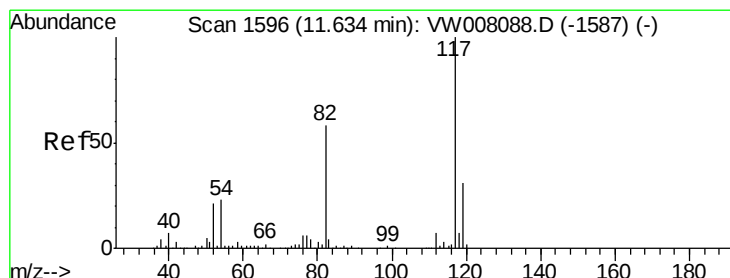
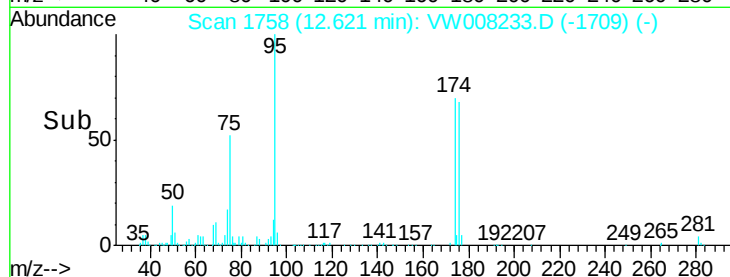
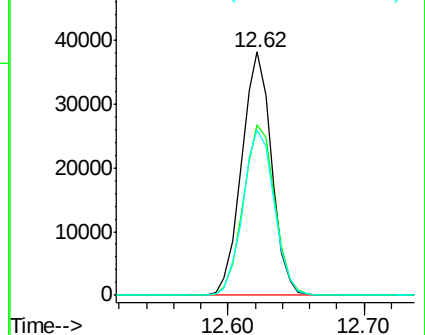
176 71.3 0.0 140.2



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: VW008233.D

Acq: 12 Jan 2019 10:41

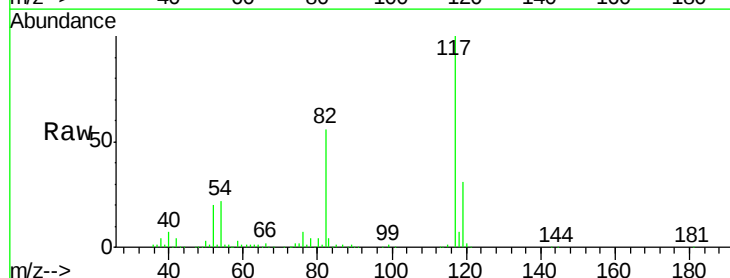
Tgt Ion: 117 Resp: 132510

Ion Ratio Lower Upper

117 100

82 56.2 46.4 69.6

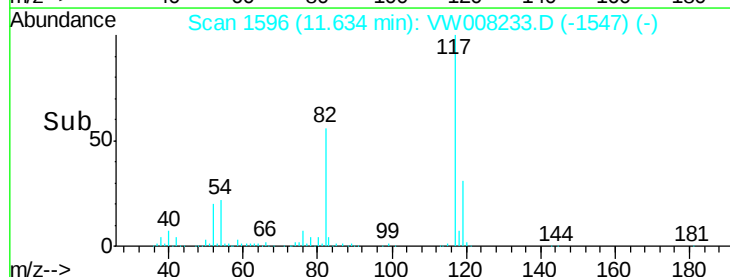
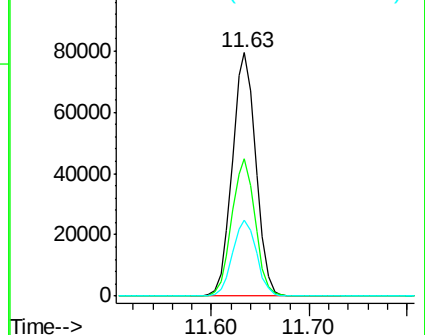
119 31.4 24.7 37.1

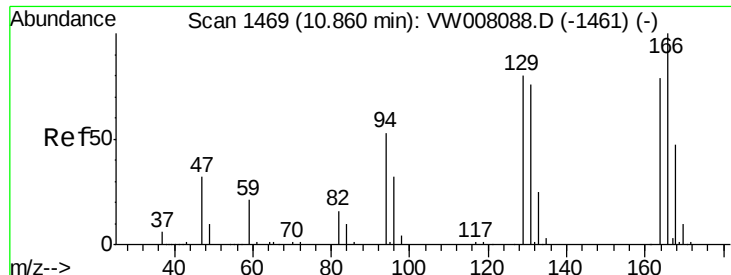


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 3.875 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

SB-6I(9-9.5)

Tgt Ion:164 Resp: 3342

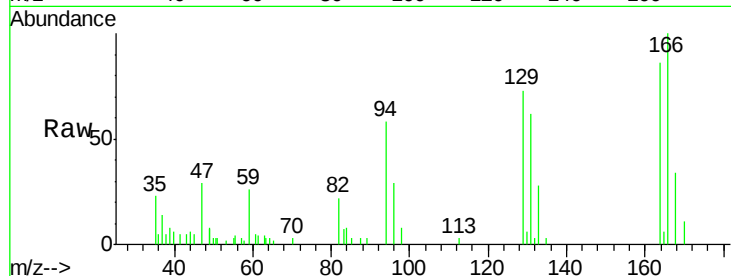
Ion Ratio Lower Upper

164 100

166 115.8 100.7 151.1

129 84.4 81.0 121.4

131 72.3 76.1 114.1#

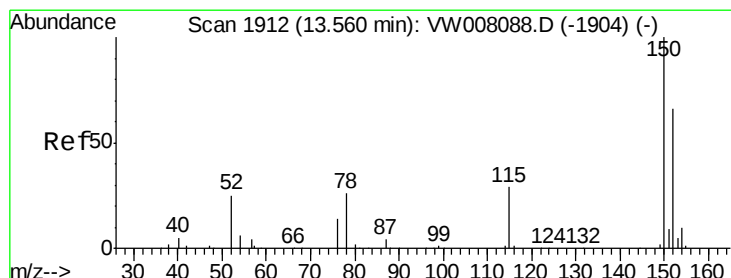
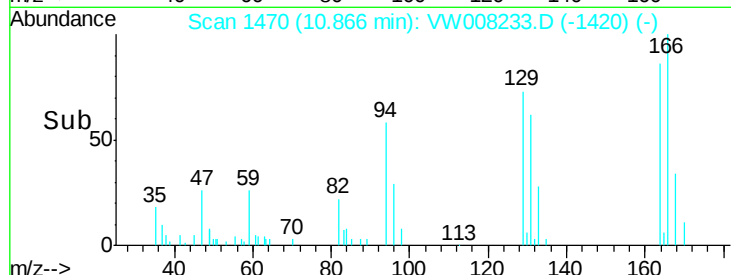
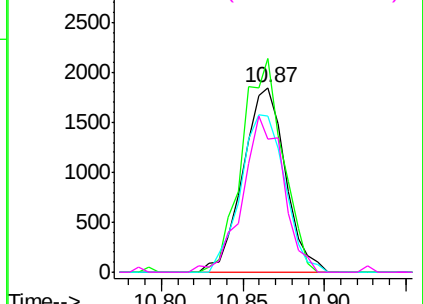


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

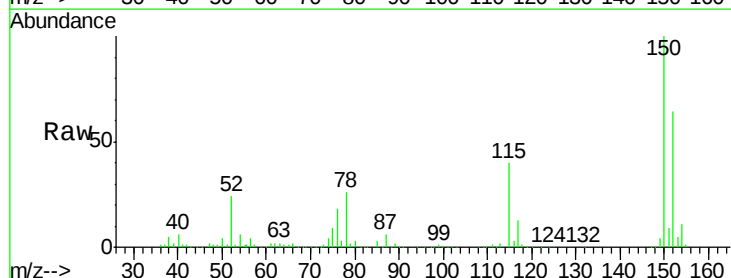
Tgt Ion:152 Resp: 54914

Ion Ratio Lower Upper

152 100

115 61.8 30.8 92.4

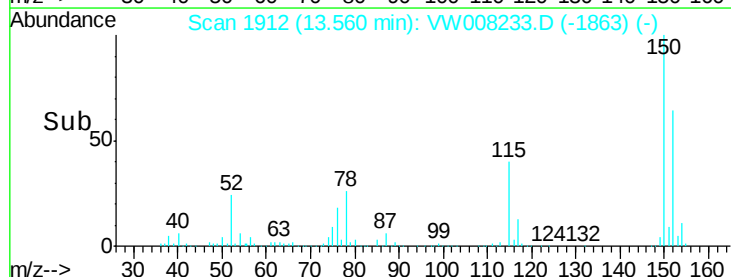
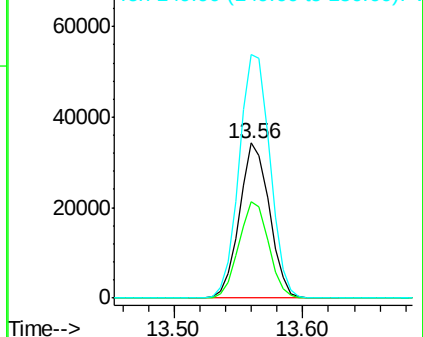
150 162.1 0.0 350.2

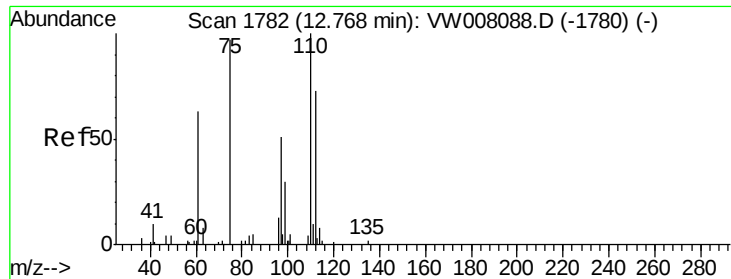


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 60.907 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

Instrument :

MSVOA_W

ClientSampled :

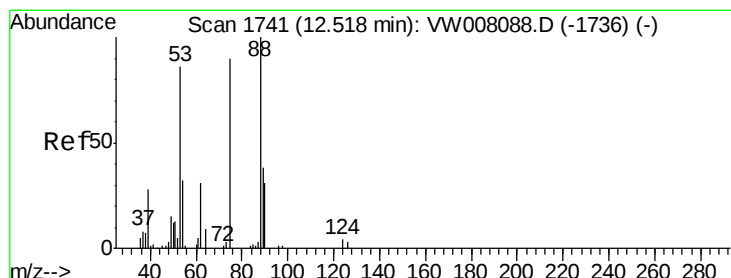
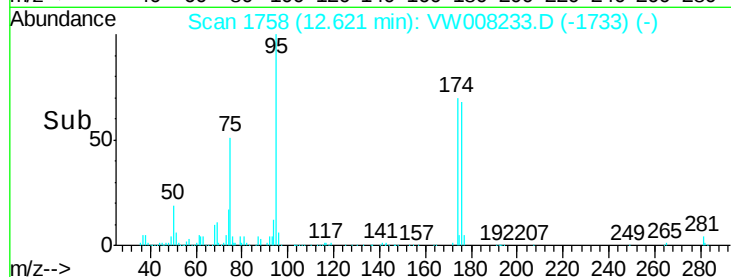
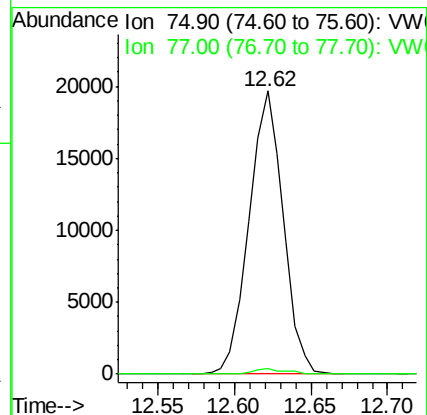
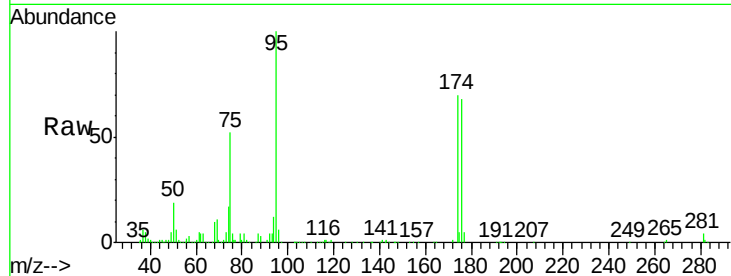
SB-6I(9-9.5)

Tgt Ion: 75 Resp: 30490

Ion Ratio Lower Upper

75 100

77 1.7 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.833 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008233.D

Acq: 12 Jan 2019 10:41

Tgt Ion: 75 Resp: 30490

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.2 35.4 53.2#

