

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008994.D
 Acq On : 05 Mar 2019 14:07
 Operator : SY/VA
 Sample : K1655-01RE
 Misc : 4.89G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:49:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	313628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	434908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197505	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	178022	60.52	ug/l	0.00
Spiked Amount			Recovery	=	121.04%	
35) Dibromofluoromethane	7.88	113	149606	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	10.32	98	586649	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.62	95	195696	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	

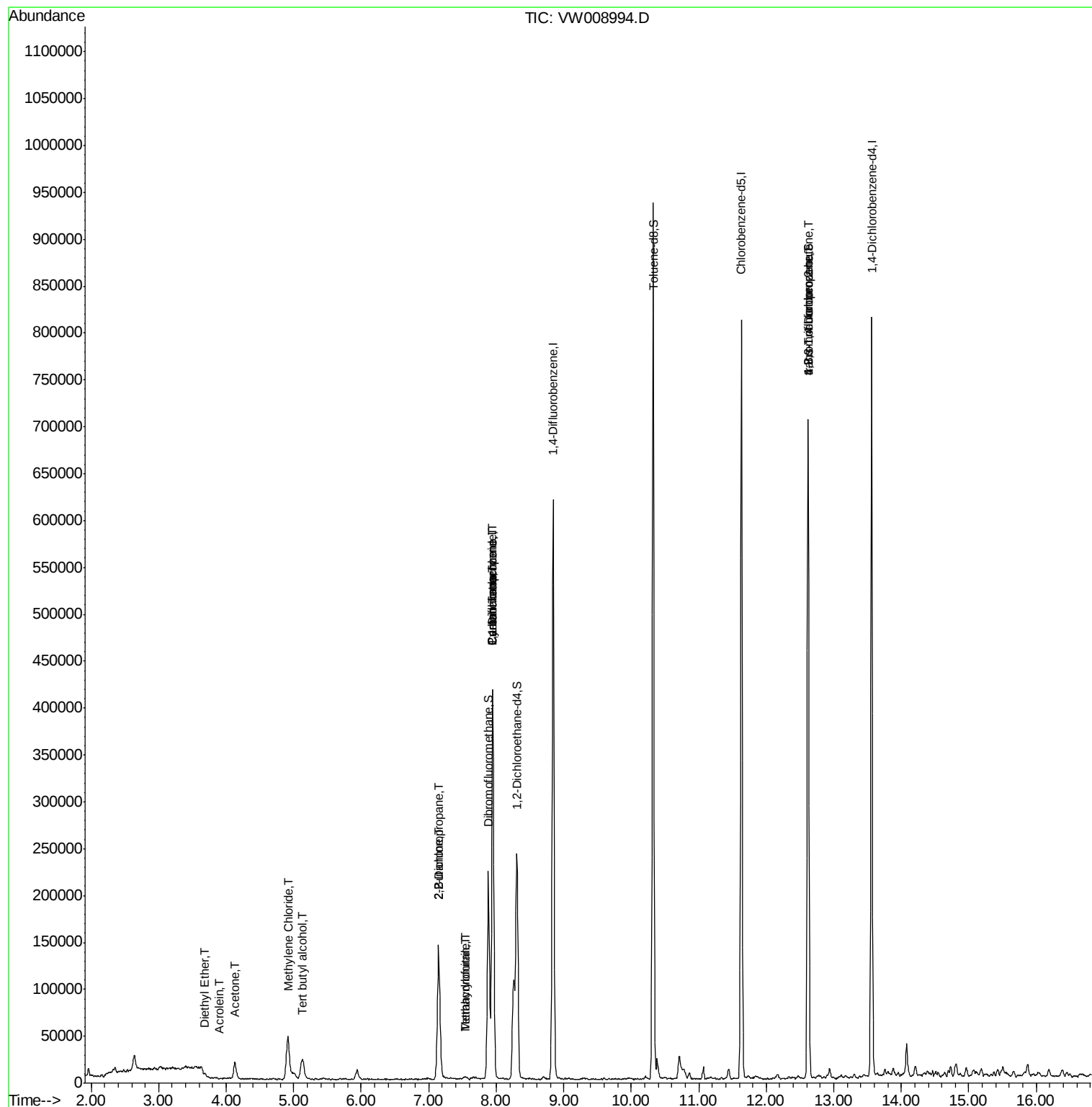
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2013	1.242	ug/l	80
11) Tert butyl alcohol	5.12	59	20150	76.945	ug/l #	75
13) Acrolein	3.90	56	54	19.960	ug/l #	14
16) Acetone	4.13	43	29968	43.953	ug/l	98
20) Methylene Chloride	4.91	84	34502	5.751	ug/l	93
25) 2-Butanone	7.15	43	9825	10.307	ug/l #	74
26) 2,2-Dichloropropane	7.15	77	9521	1.914	ug/l #	54
29) Tetrahydrofuran	7.54	42	2660	4.379	ug/l #	71
31) Cyclohexane	7.95	56	7637	1.377	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	23536	4.907	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29945	5.920	ug/l #	16
41) Methacrylonitrile	7.54	41	1844	1.406	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	105824	64.896	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	105824	157.768	ug/l #	6

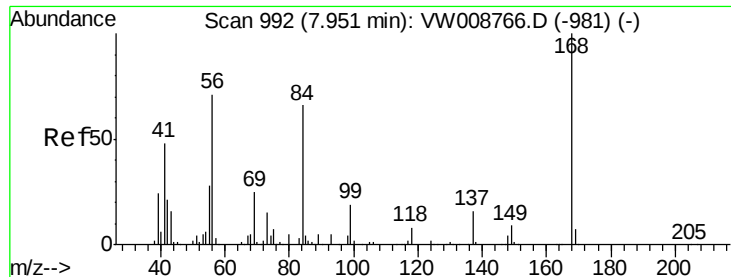
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Instrument :

MSVOA_W

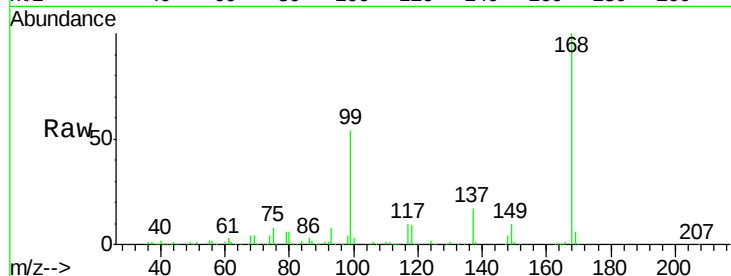
ClientSampled :

Tot Ion:168 Resp: 313628

Ion Ratio Lower Upper

168 100

99 53.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

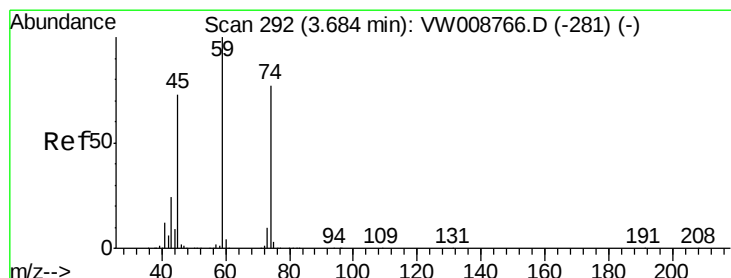
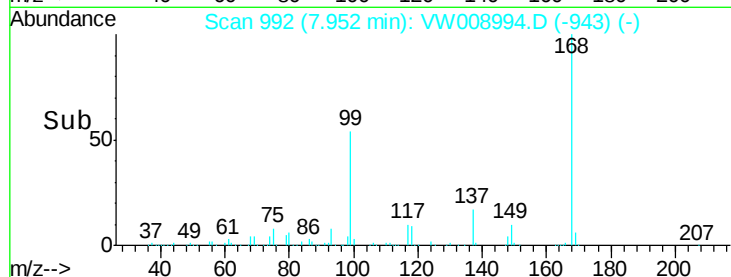
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.242 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW008994.D

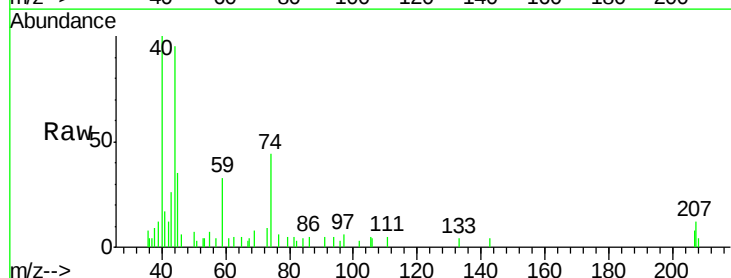
Acq: 05 Mar 2019 14:07

Tgt Ion: 74 Resp: 2013

Ion Ratio Lower Upper

74 100

45 80.2 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

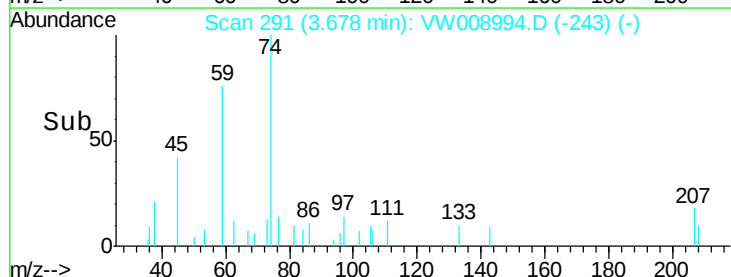
600

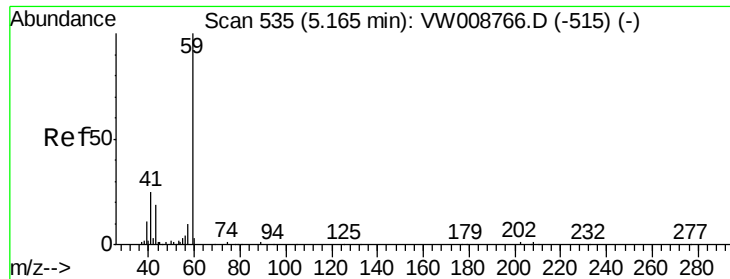
400

200

0

Time--> 3.60 3.65 3.70 3.75

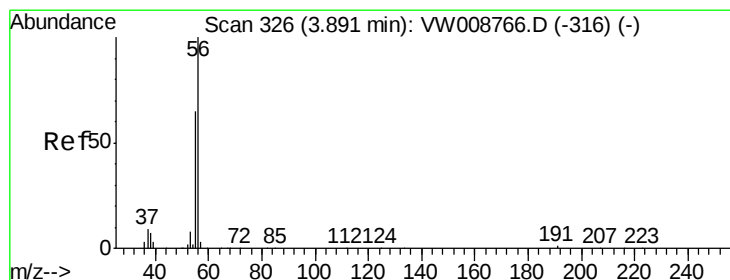
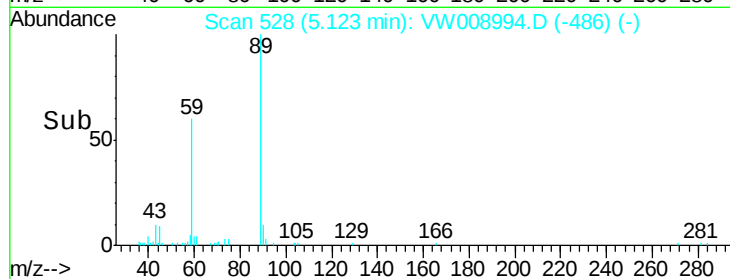
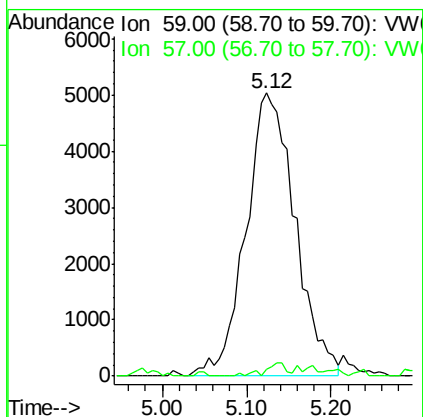
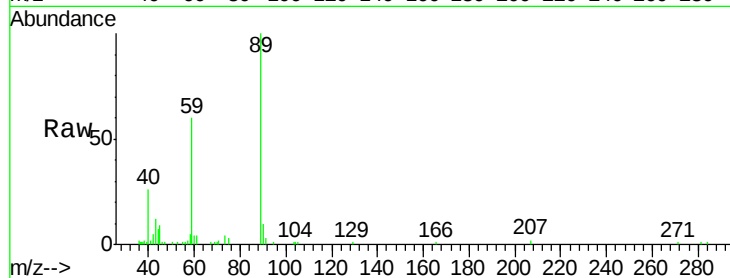




#11
Tert butyl alcohol
Concen: 76.945 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW008994.D
Acq: 05 Mar 2019 14:07

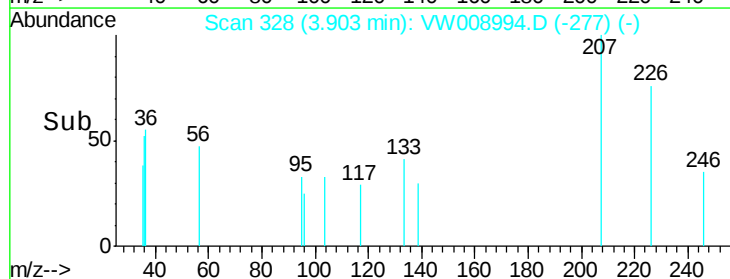
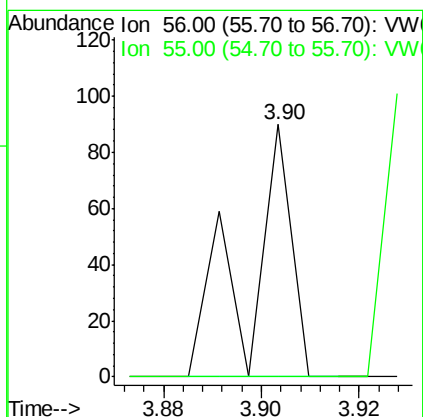
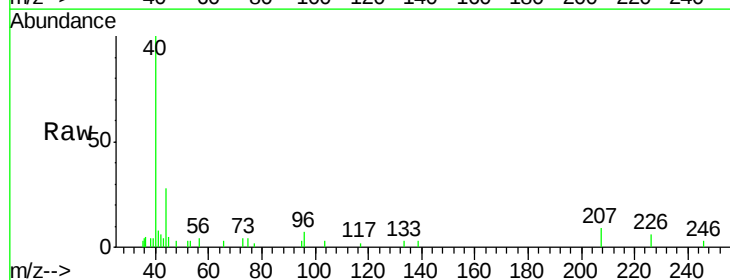
Instrument :
MSVOA_W
ClientSampleId :

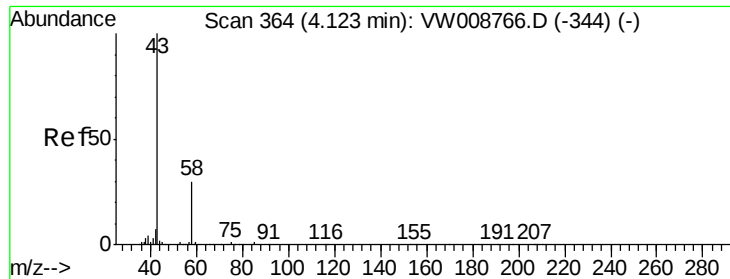
Tot Ion: 59 Resp: 20150
Ion Ratio Lower Upper
59 100
57 2.0 9.3 13.9#



#13
Acrolein
Concen: 19.960 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW008994.D
Acq: 05 Mar 2019 14:07

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 43.953 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Instrument :

MSVOA_W

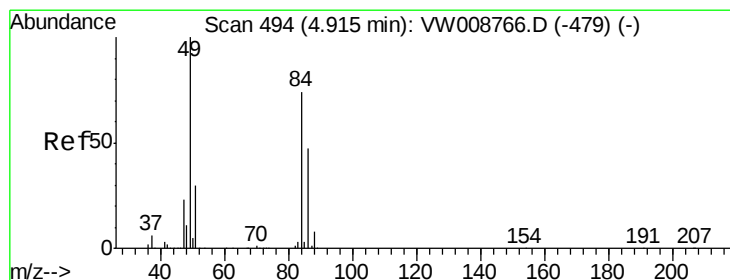
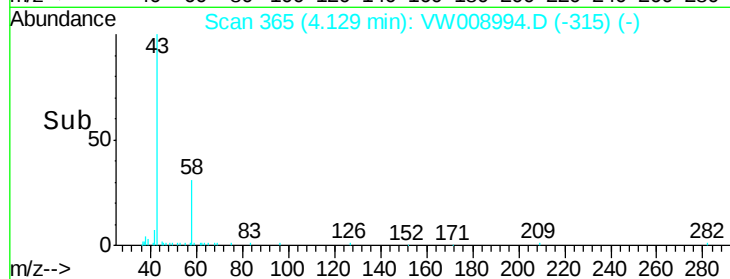
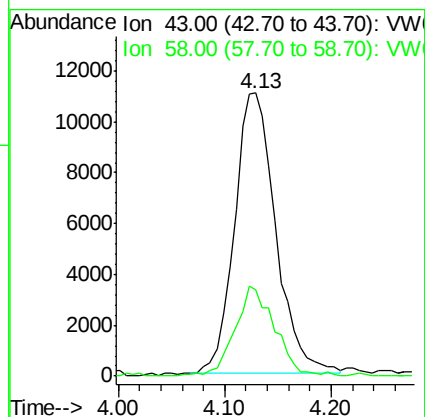
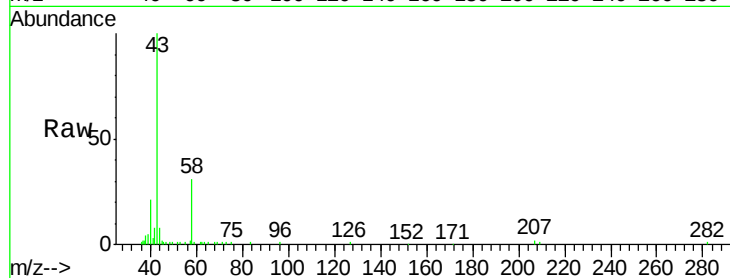
ClientSampleId :

Tot Ion: 43 Resp: 29968

Ion Ratio Lower Upper

43 100

58 30.8 23.8 35.6



#20

Methylene Chloride

Concen: 5.751 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Tgt Ion: 84 Resp: 34502

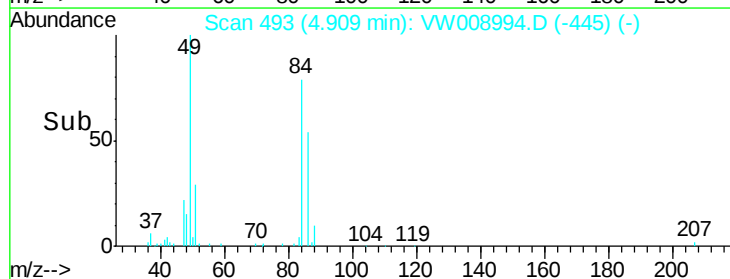
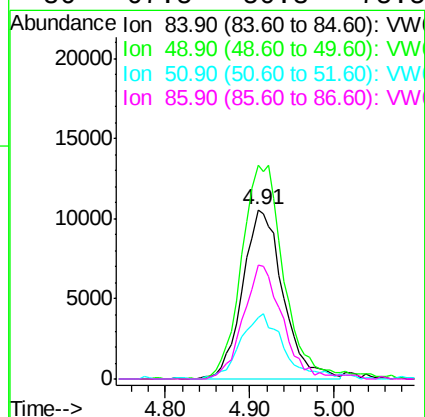
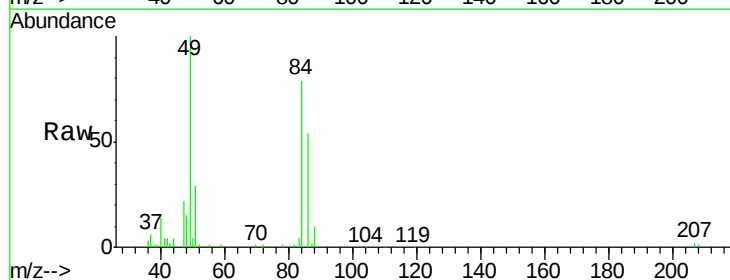
Ion Ratio Lower Upper

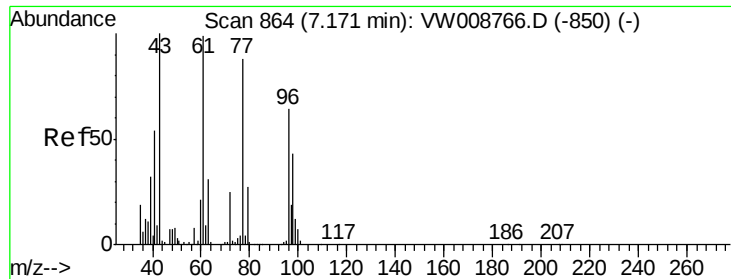
84 100

49 125.4 108.2 162.2

51 36.3 32.7 49.1

86 67.5 50.3 75.5





#25

2-Butanone

Concen: 10.307 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Instrument :

MSVOA_W

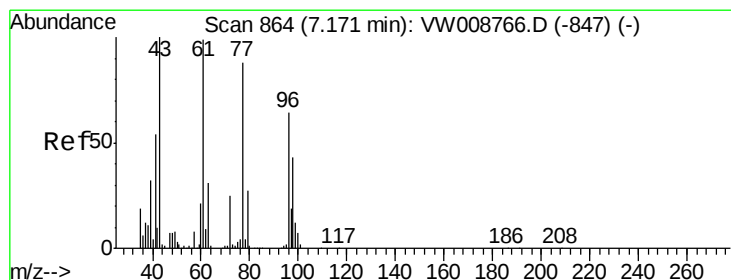
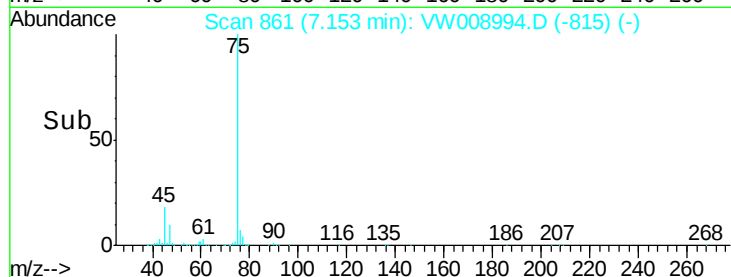
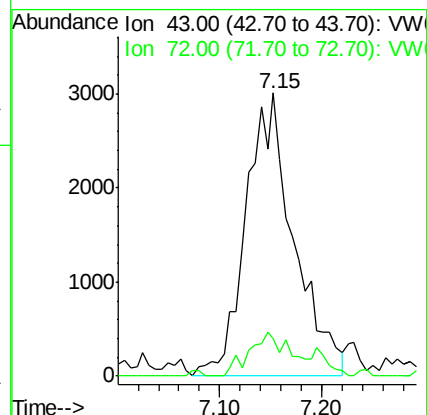
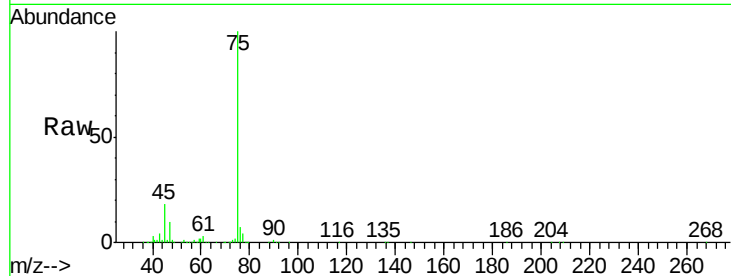
ClientSampled :

Tot Ion: 43 Resp: 9825

Ion Ratio Lower Upper

43 100

72 11.4 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.914 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008994.D

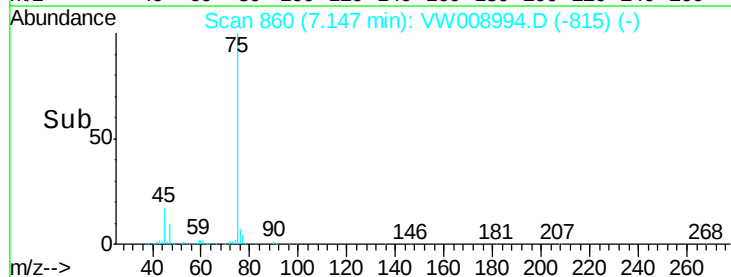
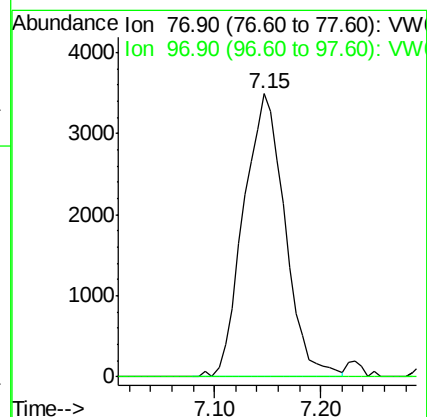
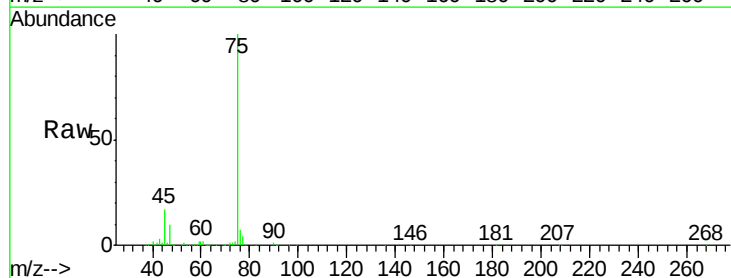
Acq: 05 Mar 2019 14:07

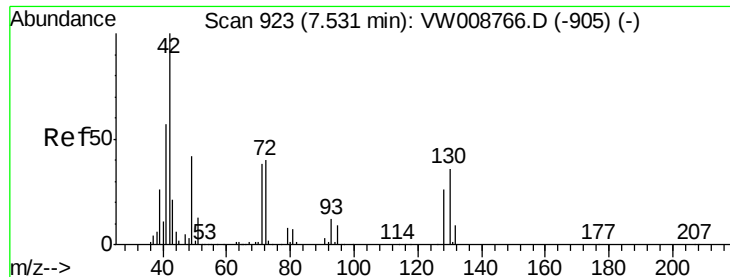
Tgt Ion: 77 Resp: 9521

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

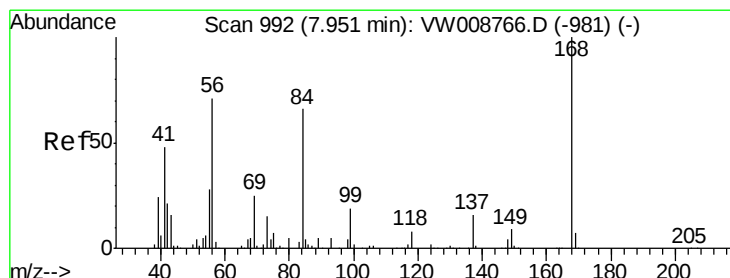
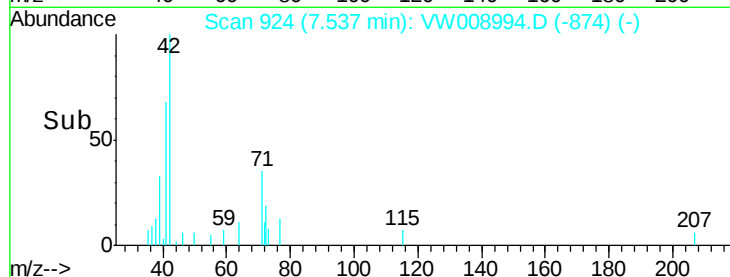
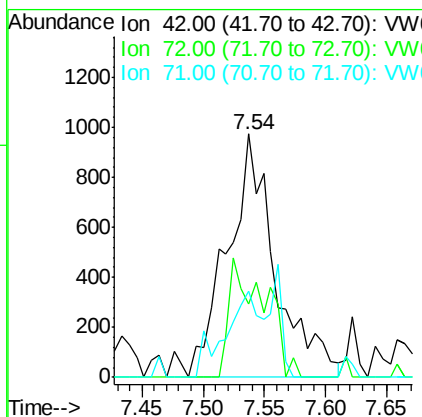
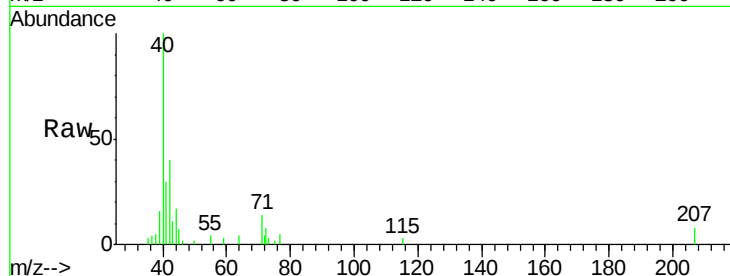




#29
Tetrahydrofuran
Concen: 4.379 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008994.D
Acq: 05 Mar 2019 14:07

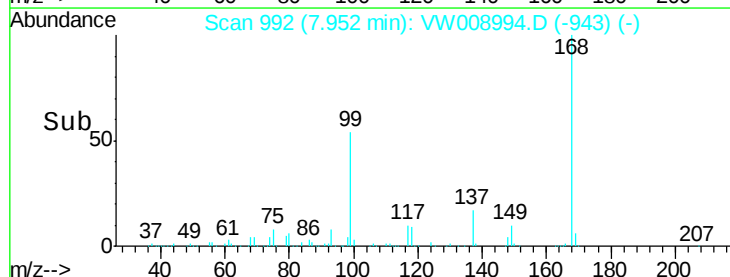
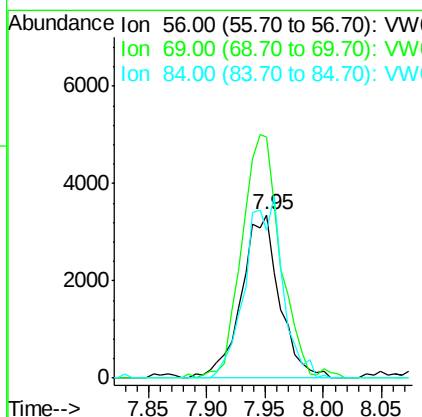
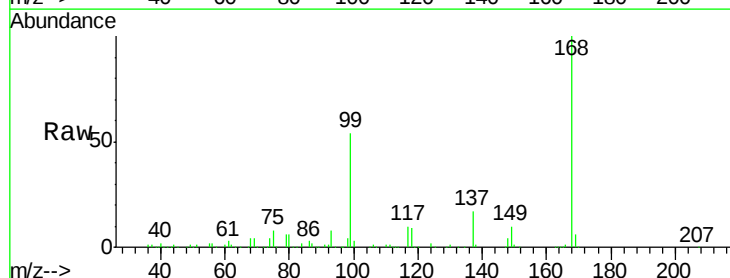
Instrument :
MSVOA_W
ClientSampled :

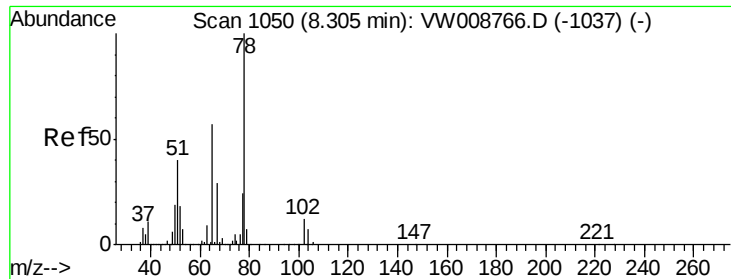
Tot Ion: 42 Resp: 2660
Ion Ratio Lower Upper
42 100
72 17.7 32.7 49.1#
71 26.1 31.3 46.9#



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008994.D
Acq: 05 Mar 2019 14:07

Tgt Ion: 56 Resp: 7637
Ion Ratio Lower Upper
56 100
69 145.6 28.2 42.4#
84 90.4 74.1 111.1





#33

1,2-Dichloroethane-d4

Concen: 60.520 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Instrument :

MSVOA_W

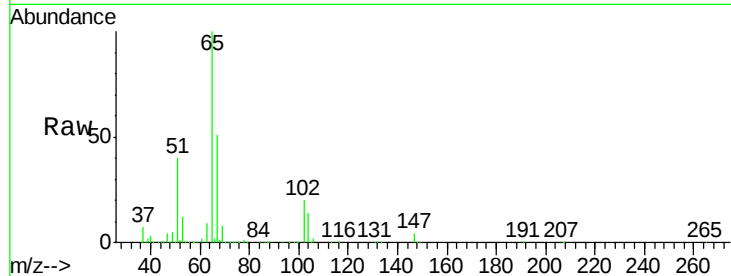
ClientSampleId :

Tot Ion: 65 Resp: 178022

Ion Ratio Lower Upper

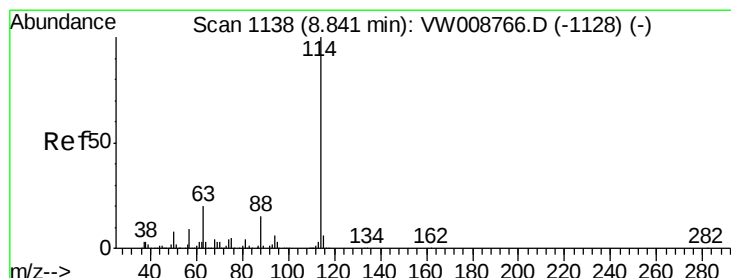
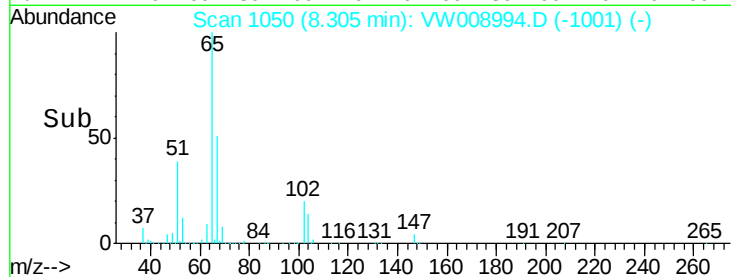
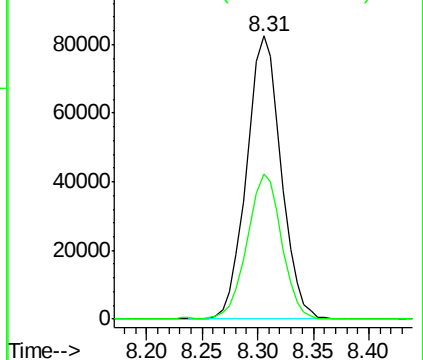
65 100

67 51.4 0.0 101.4



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: VW008994.D

Acq: 05 Mar 2019 14:07

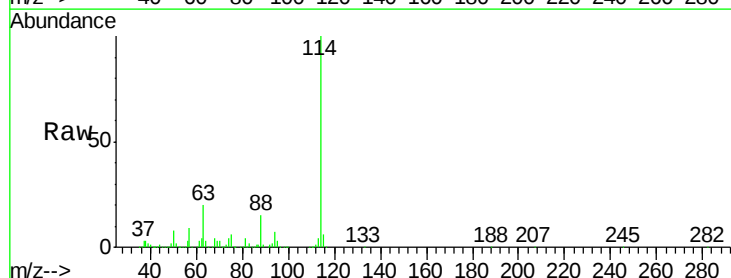
Tgt Ion: 114 Resp: 492747

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

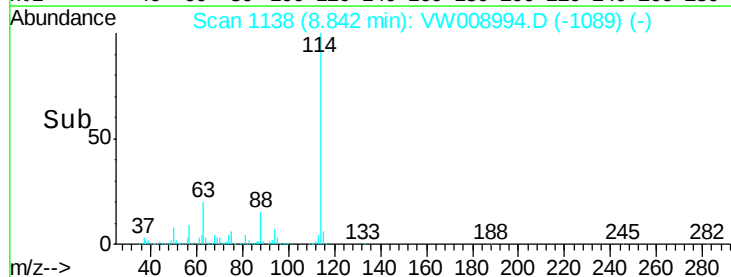
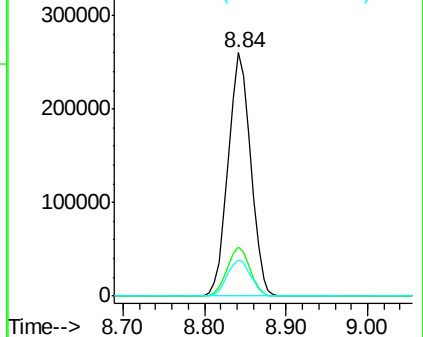
88 15.0 0.0 30.4

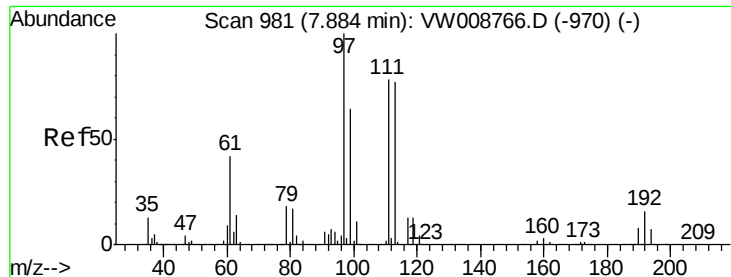


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

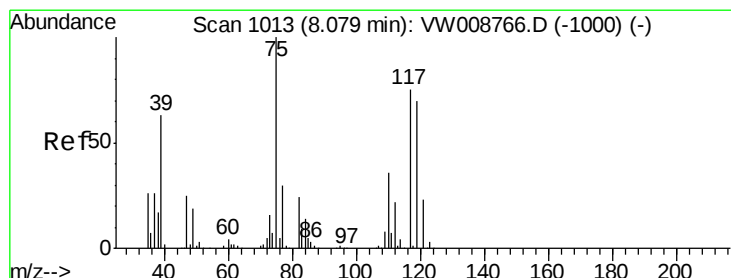
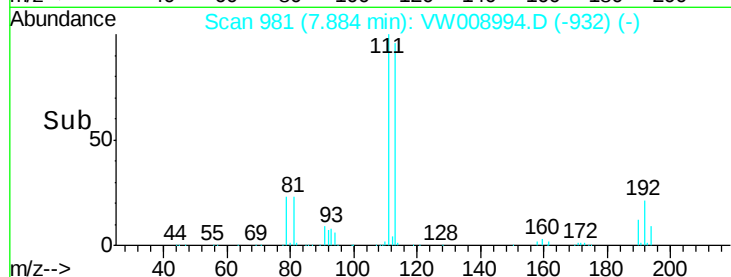
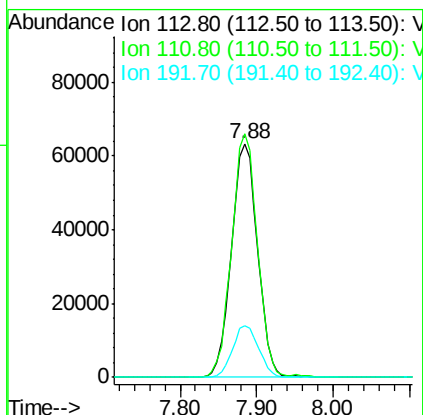
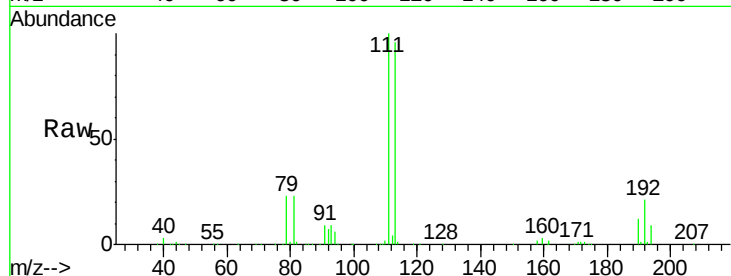




#35
 Dibromofluoromethane
 Concen: 50.568 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008994.D
 Acq: 05 Mar 2019 14:07

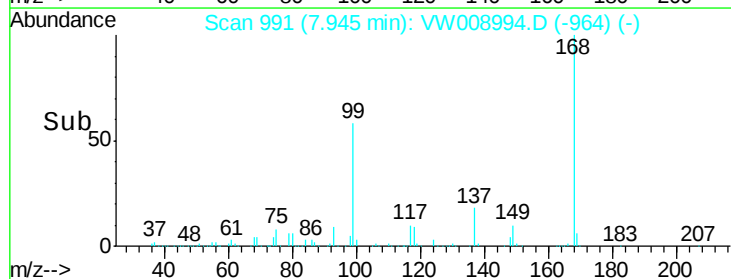
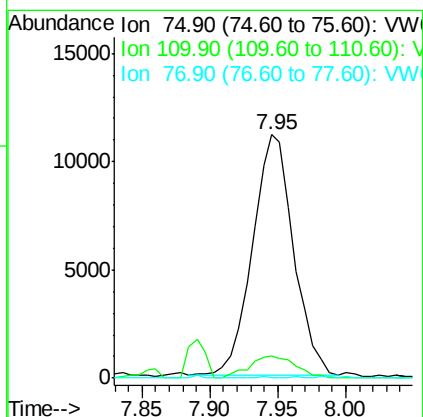
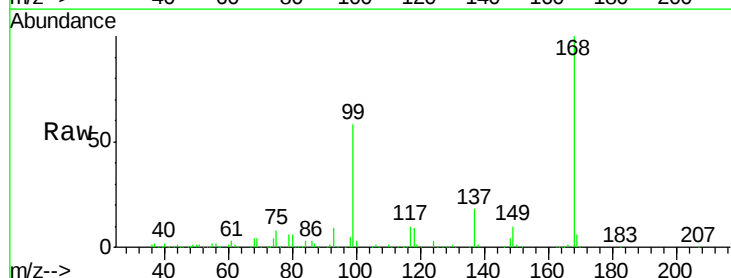
Instrument :
 MSVOA_W
 ClientSampleId :

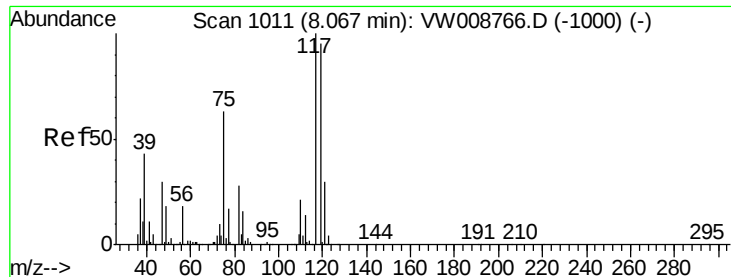
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	22.1	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.907 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008994.D
 Acq: 05 Mar 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 5.920 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Instrument :

MSVOA_W

ClientSampled :

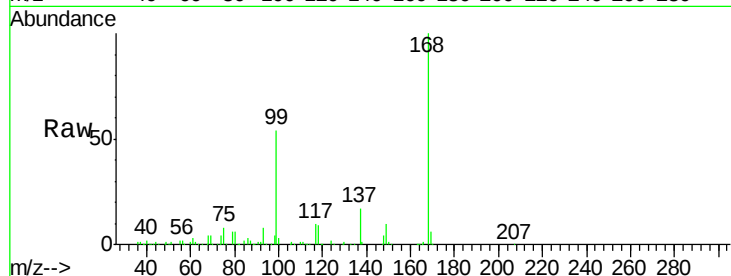
Tot Ion:117 Resp: 29945

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

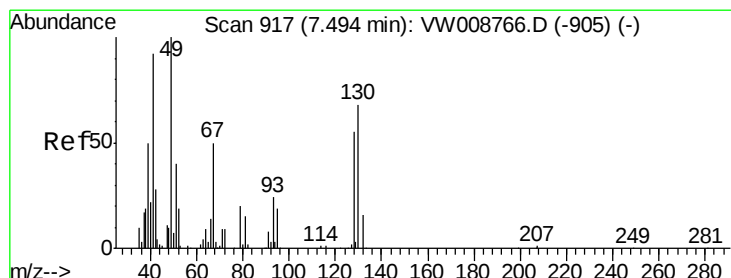
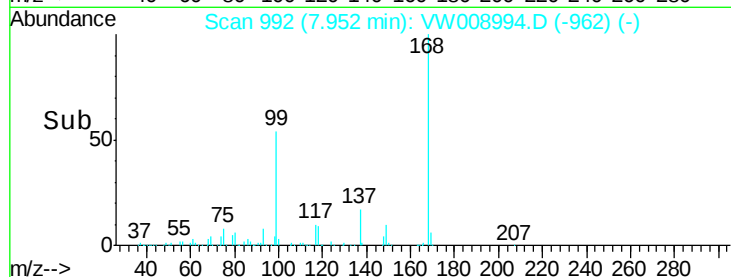
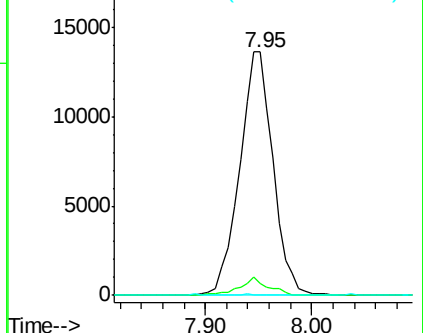
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 1.406 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.04 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Tgt Ion: 41 Resp: 1844

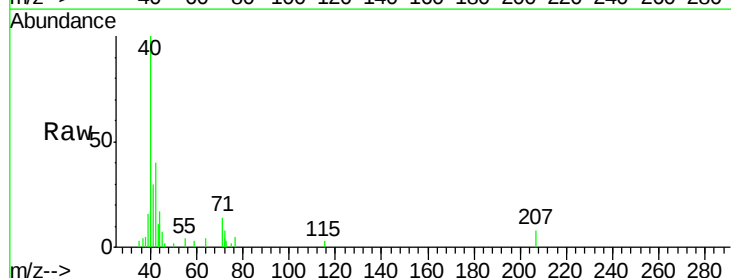
Ion Ratio Lower Upper

41 100

39 55.6 52.5 78.7

67 0.0 55.0 82.6#

52 3.7 26.9 40.3#

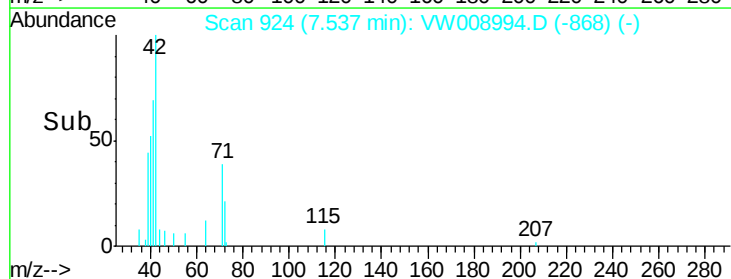
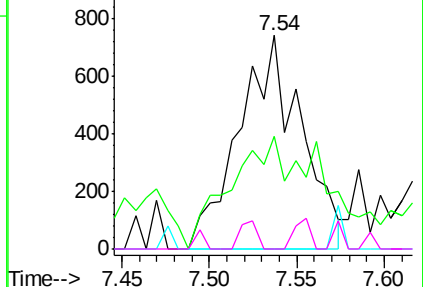


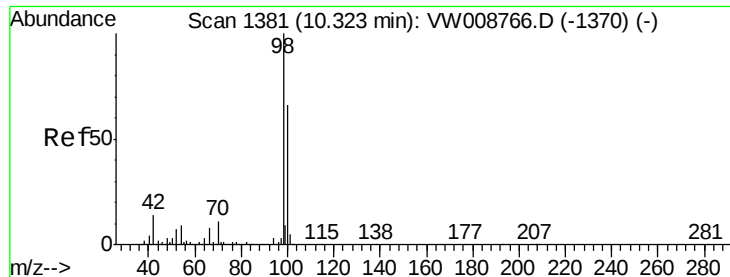
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 51.367 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Instrument :

MSVOA_W

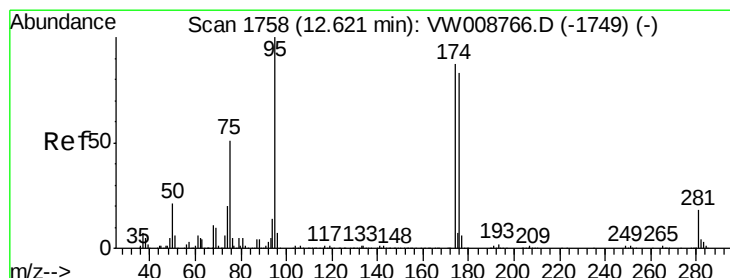
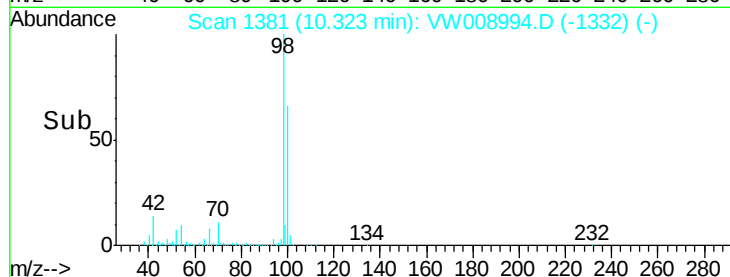
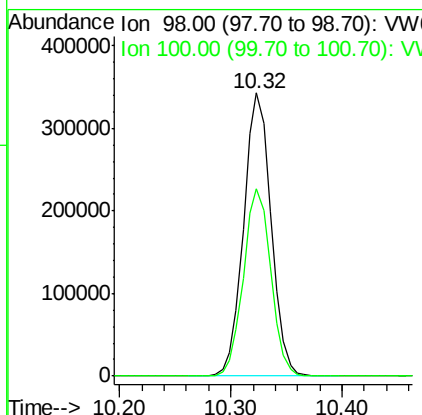
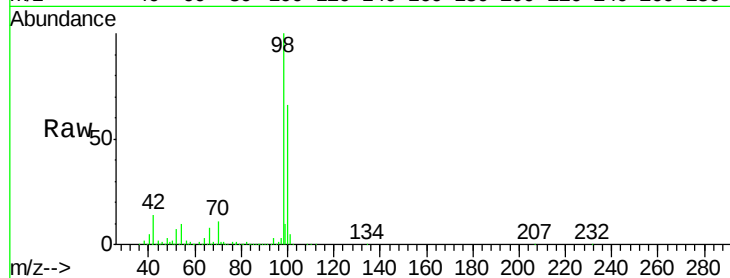
ClientSampleId :

Tot Ion: 98 Resp: 586649

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 43.763 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

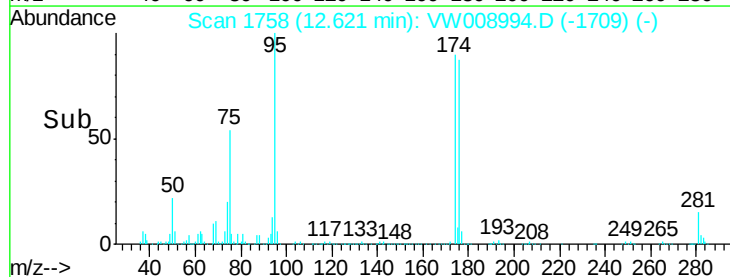
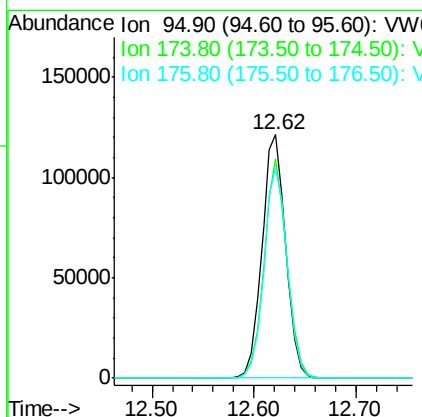
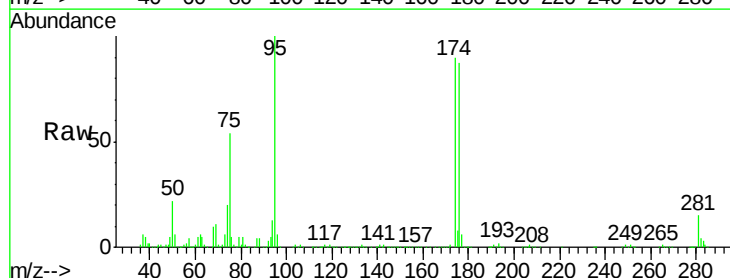
Tgt Ion: 95 Resp: 195696

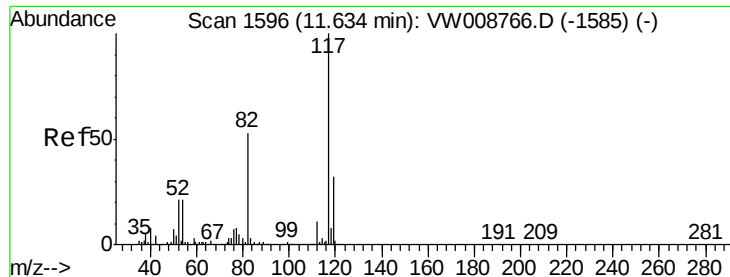
Ion Ratio Lower Upper

95 100

174 86.3 0.0 169.2

176 84.9 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Instrument :

MSVOA_W

ClientSampleId :

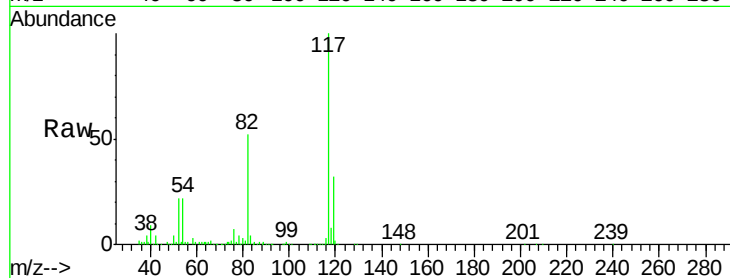
Tot Ion:117 Resp: 434908

Ion Ratio Lower Upper

117 100

82 52.0 42.2 63.4

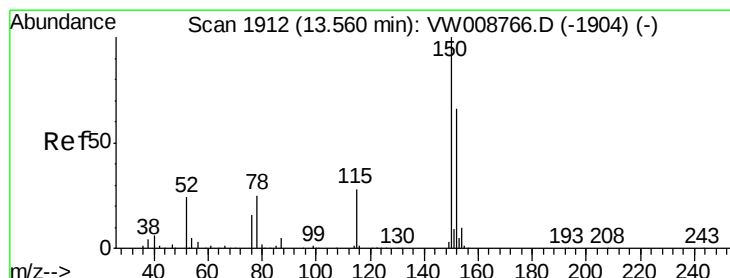
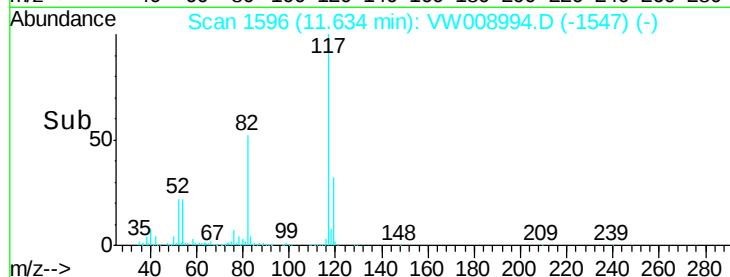
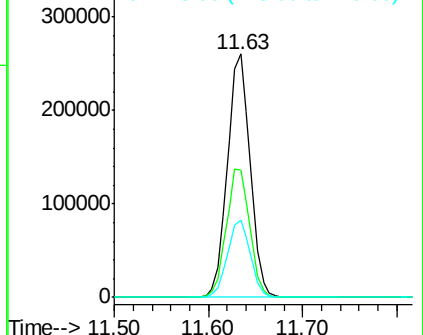
119 31.5 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VW008994.D

Acq: 05 Mar 2019 14:07

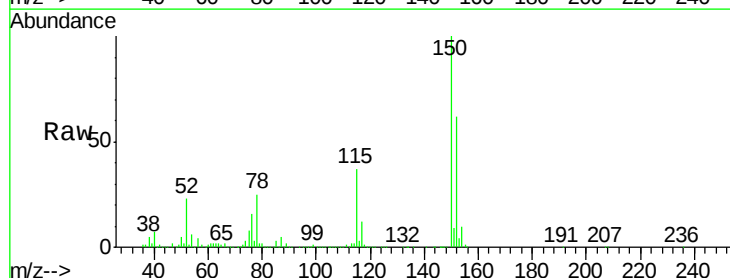
Tgt Ion:152 Resp: 197505

Ion Ratio Lower Upper

152 100

115 58.8 28.6 85.8

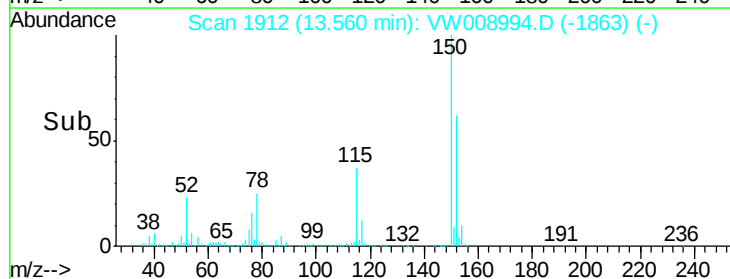
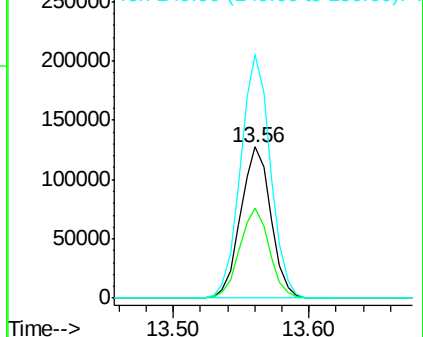
150 159.4 0.0 348.0

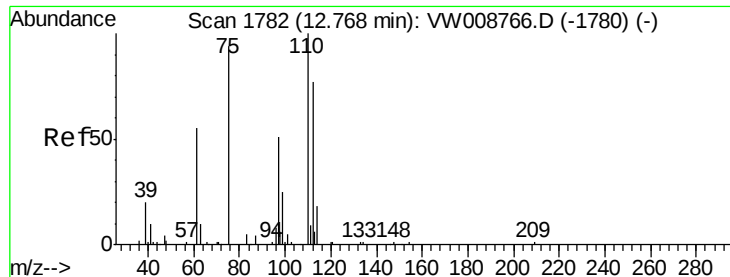


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 64.896 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

Instrument :

MSVOA_W

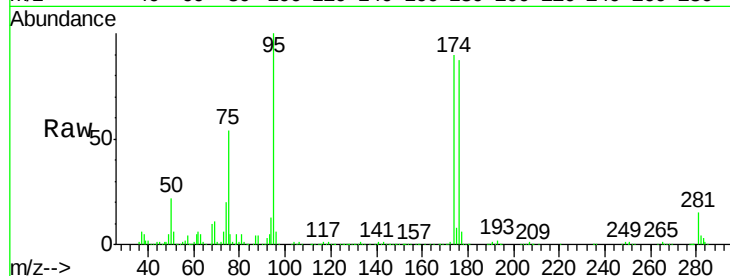
ClientSampleId :

Tot Ion: 75 Resp: 105824

Ion Ratio Lower Upper

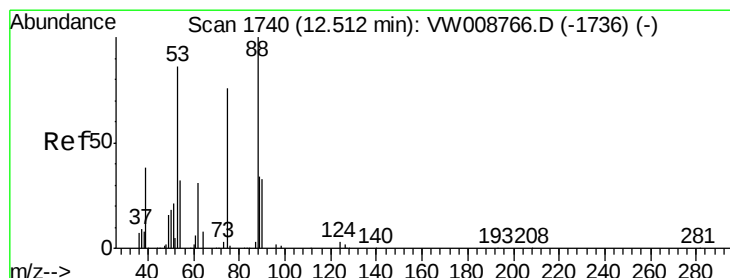
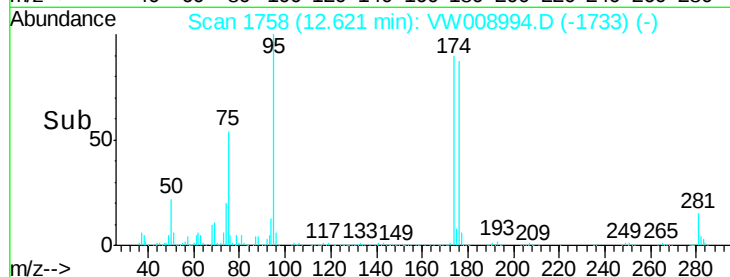
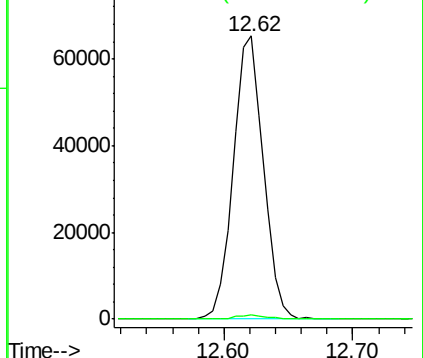
75 100

77 1.5 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: 157.768 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008994.D

Acq: 05 Mar 2019 14:07

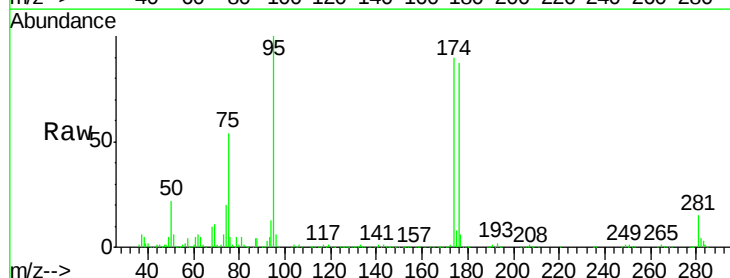
Tgt Ion: 75 Resp: 105824

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.1 39.5 59.3#



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

