

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008993.D
 Acq On : 05 Mar 2019 13:40
 Operator : SY/VA
 Sample : K21650-14RE
 Misc : 6.34G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:49:00 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	258040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	389890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	221105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40086	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	156603	64.71	ug/l	0.00
Spiked Amount			Recovery	=	129.42%	
35) Dibromofluoromethane	7.88	113	136728	58.41	ug/l	0.00
Spiked Amount			Recovery	=	116.82%	
50) Toluene-d8	10.32	98	407722	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	
62) 4-Bromofluorobenzene	12.62	95	64572	18.25	ug/l	0.00
Spiked Amount			Recovery	=	36.50%	

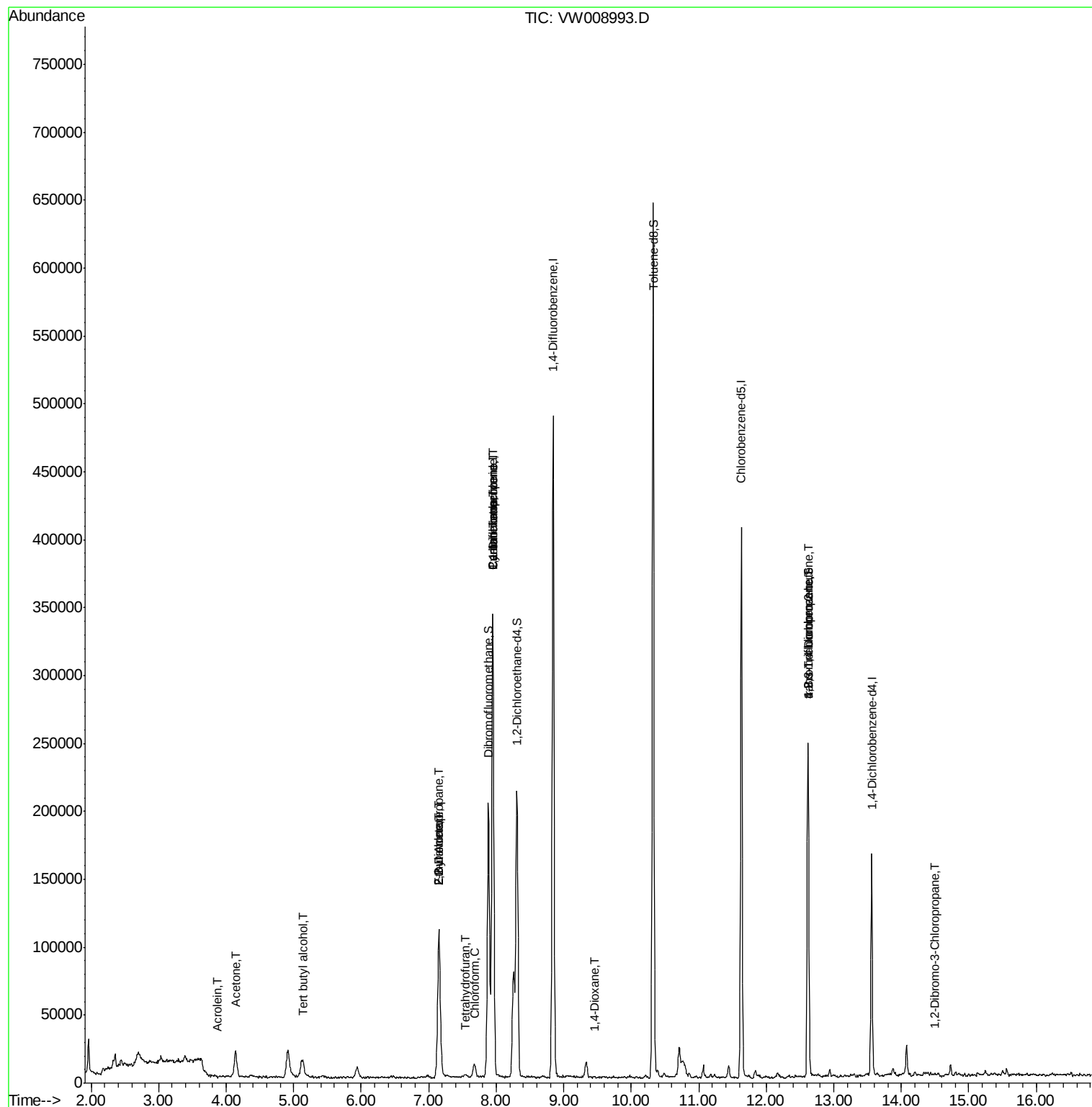
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	12275	56.971	ug/l #	78
13) Acrolein	3.87	56	53	19.995	ug/l #	1
16) Acetone	4.14	43	33301	59.362	ug/l	94
20) Methylene Chloride	4.92	84	14066	Below Cal	#	84
25) 2-Butanone	7.16	43	8442	10.764	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	6972	1.704	ug/l #	55
29) Tetrahydrofuran	7.54	42	2236	4.474	ug/l #	86
30) Chloroform	7.68	83	7366	1.593	ug/l #	80
31) Cyclohexane	7.95	56	8706	1.908	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	20323	5.355	ug/l #	50
37) Ethyl Acetate	7.16	43	8442	4.783	ug/l #	21
38) Carbon Tetrachloride	7.95	117	24923	6.227	ug/l #	19
49) 1,4-Dioxane	9.46	88	46	2.017	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	34338	103.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	34338	252.228	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.49	75	95	1.170	ug/l #	1

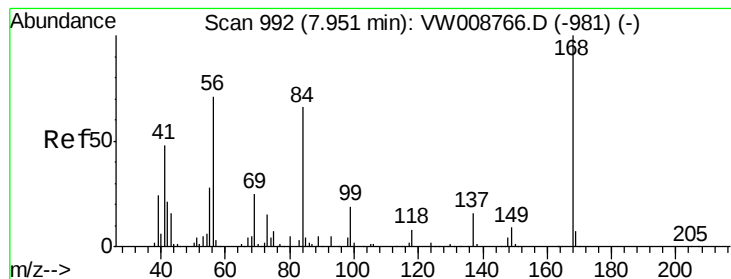
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

Instrument :

MSVOA_W

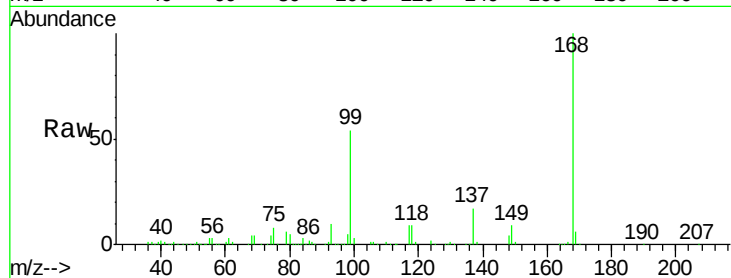
ClientSampleId :

Tot Ion:168 Resp: 258040

Ion Ratio Lower Upper

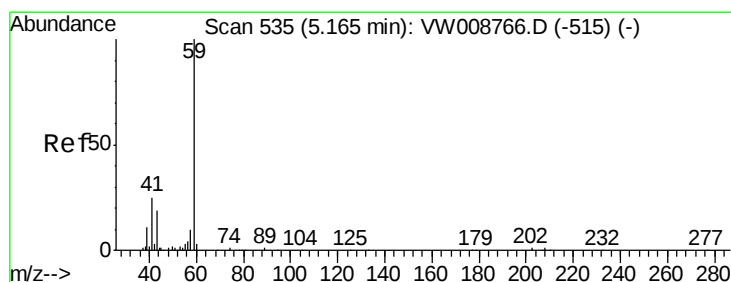
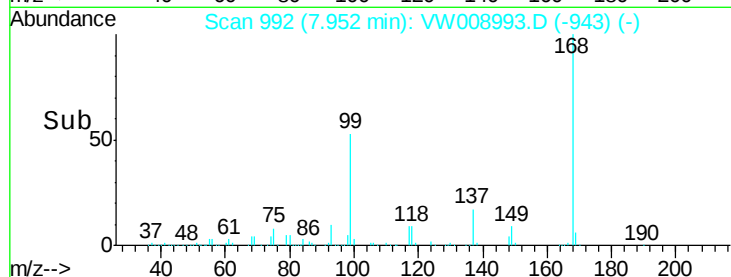
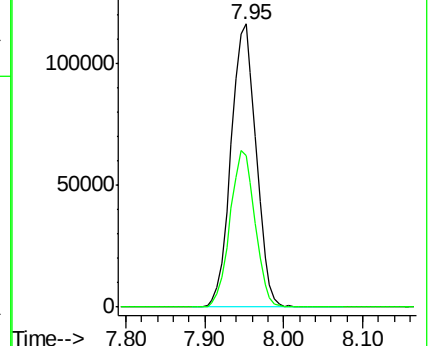
168 100

99 53.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 56.971 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008993.D

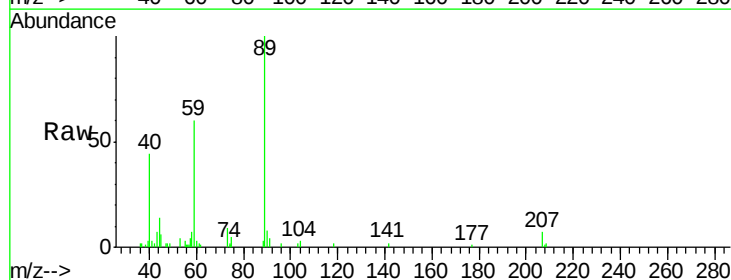
Acq: 05 Mar 2019 13:40

Tgt Ion: 59 Resp: 12275

Ion Ratio Lower Upper

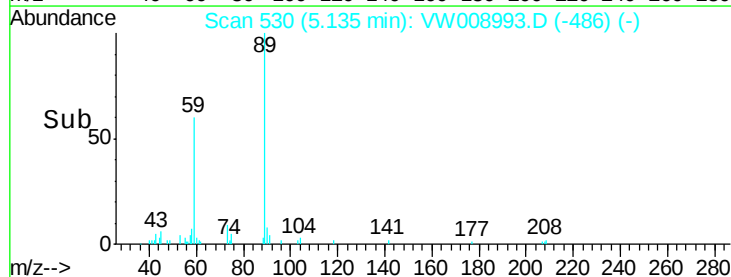
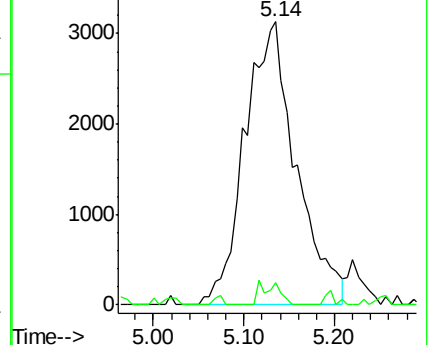
59 100

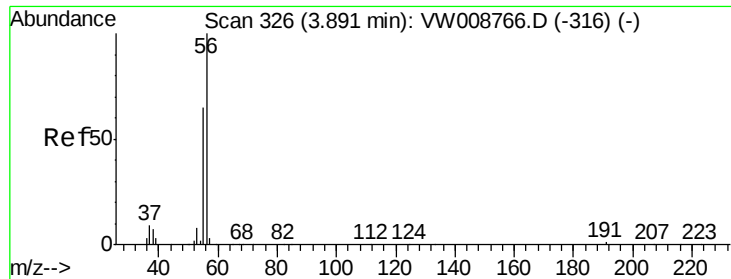
57 3.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 19.995 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

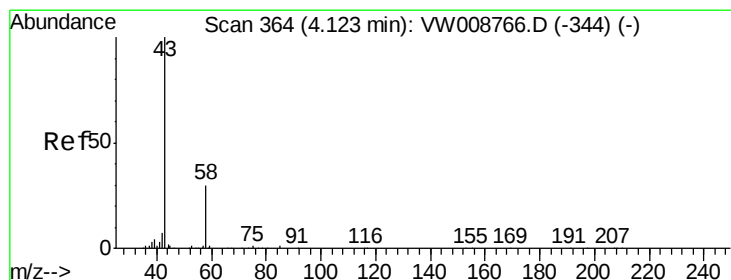
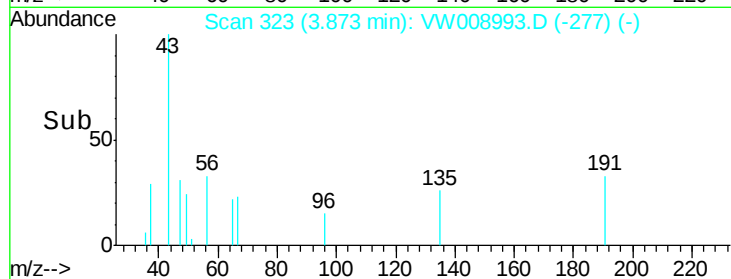
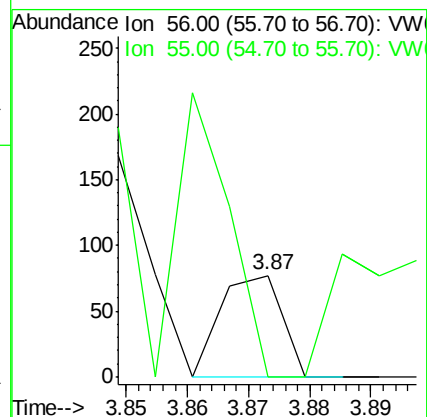
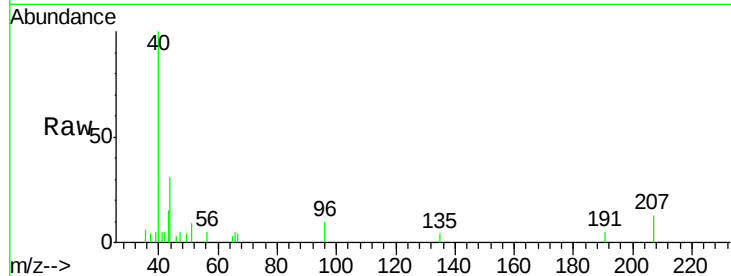
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

55 237.7 56.9 85.3#



#16

Acetone

Concen: 59.362 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008993.D

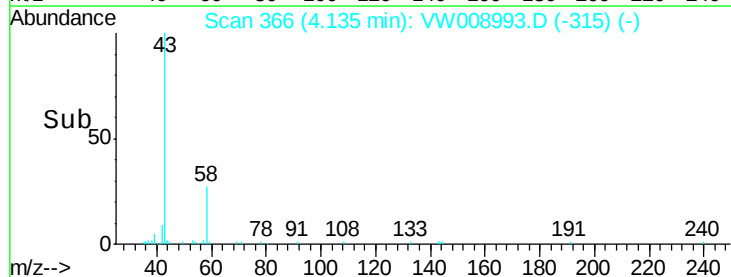
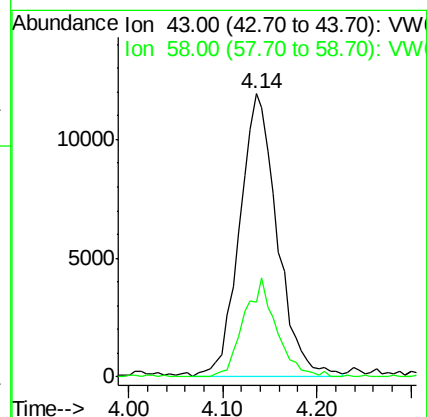
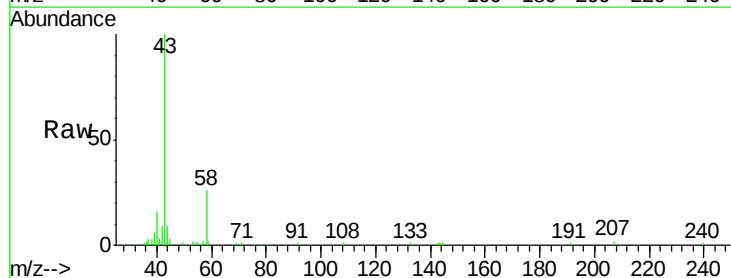
Acq: 05 Mar 2019 13:40

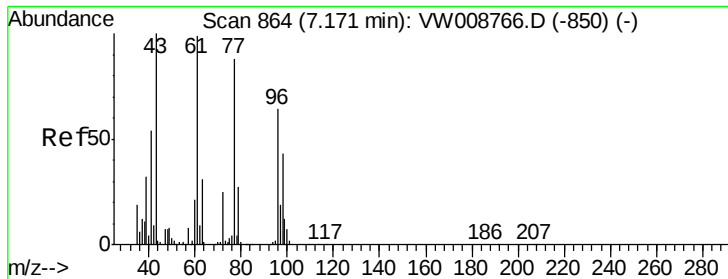
Tgt Ion: 43 Resp: 33301

Ion Ratio Lower Upper

43 100

58 26.3 23.8 35.6





#25

2-Butanone

Concen: 10.764 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

Instrument :

MSVOA_W

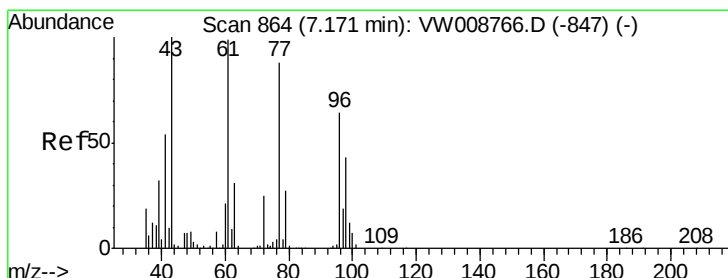
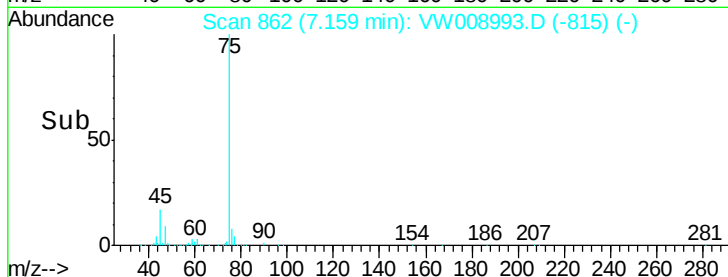
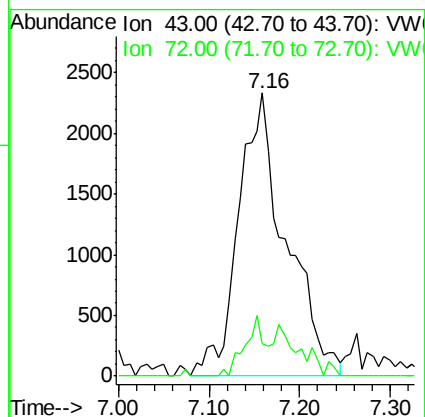
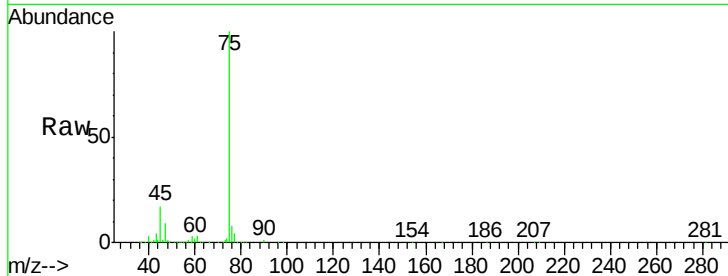
ClientSampled :

Tot Ion: 43 Resp: 8442

Ion Ratio Lower Upper

43 100

72 11.3 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.704 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008993.D

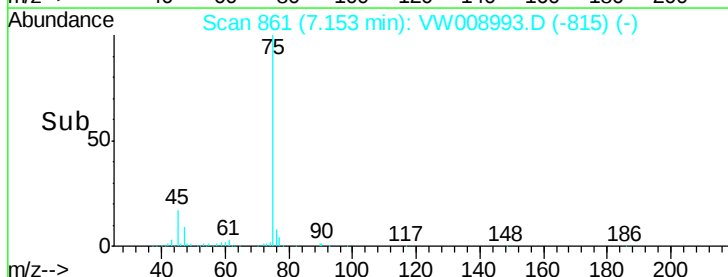
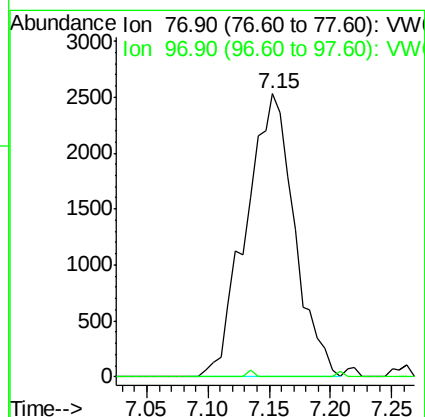
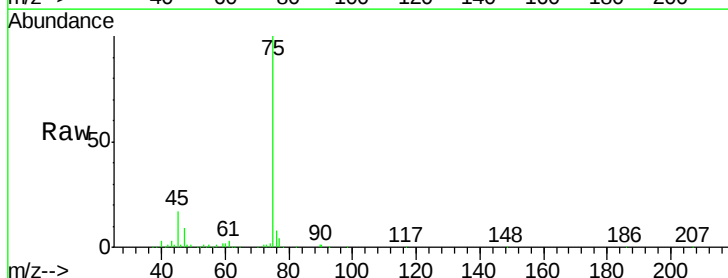
Acq: 05 Mar 2019 13:40

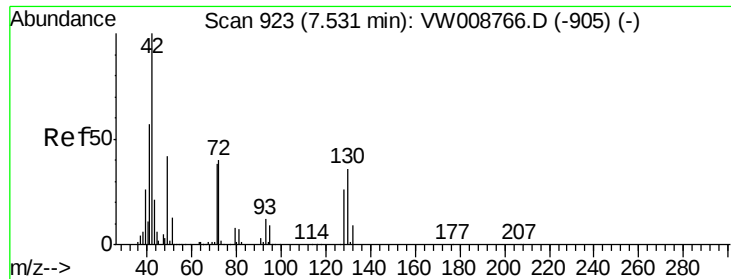
Tgt Ion: 77 Resp: 6972

Ion Ratio Lower Upper

77 100

97 0.4 11.0 33.0#

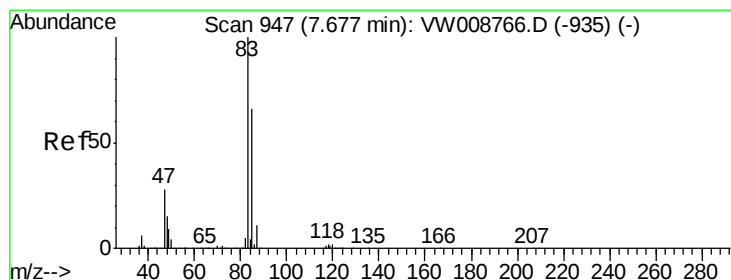
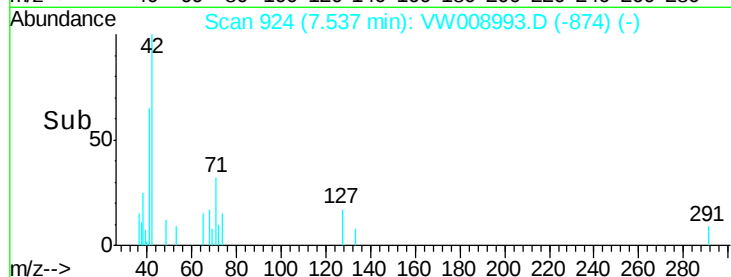
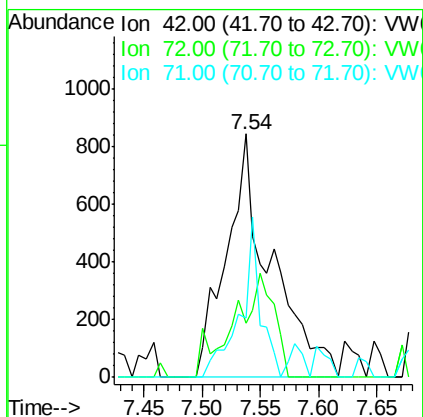
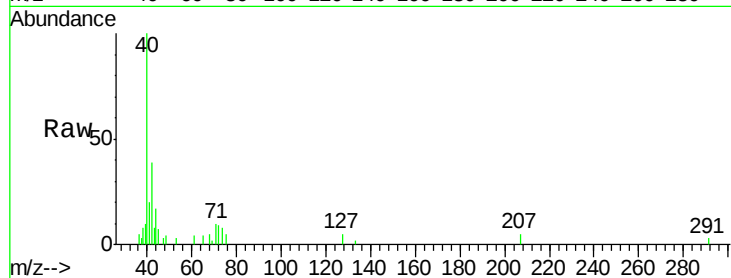




#29
Tetrahydrofuran
Concen: 4.474 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008993.D
Acq: 05 Mar 2019 13:40

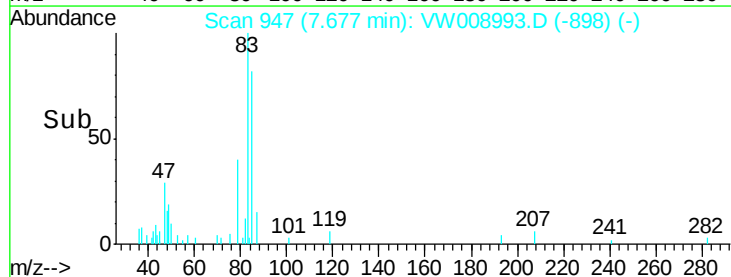
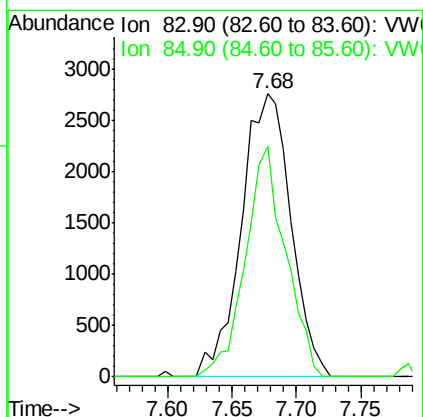
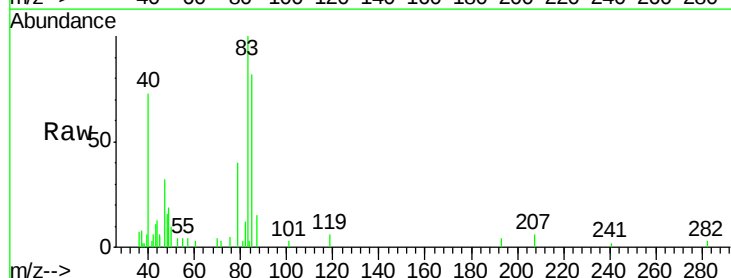
Instrument :
MSVOA_W
ClientSampled :

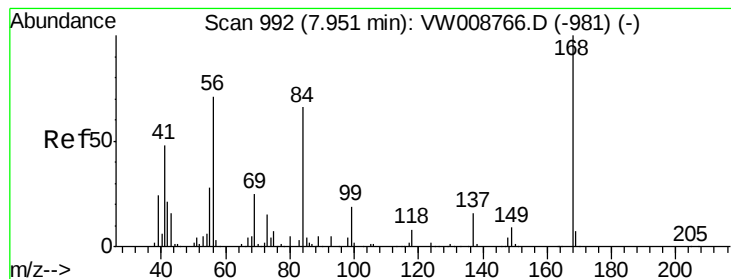
Tot Ion: 42 Resp: 2236
Ion Ratio Lower Upper
42 100
72 33.2 32.7 49.1
71 29.7 31.3 46.9#



#30
Chloroform
Concen: 1.593 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008993.D
Acq: 05 Mar 2019 13:40

Tgt Ion: 83 Resp: 7366
Ion Ratio Lower Upper
83 100
85 81.7 52.6 79.0#





#31

Cyclohexane

Concen: 1.908 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

Instrument :
MSVOA_W
ClientSampled :

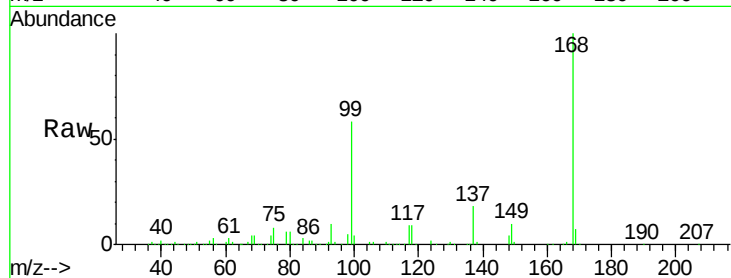
Tot Ion: 56 Resp: 8706

Ion Ratio Lower Upper

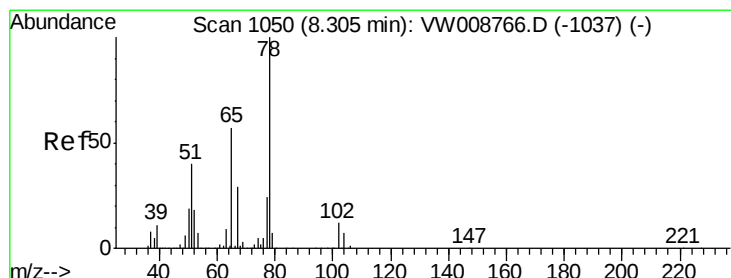
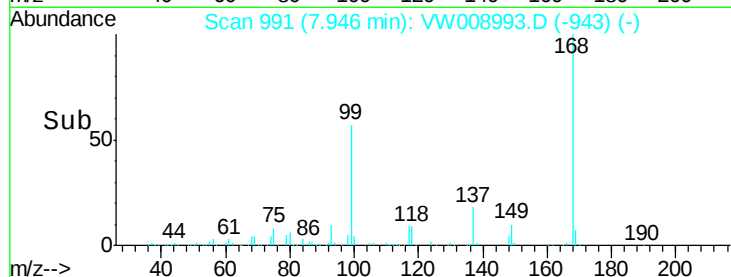
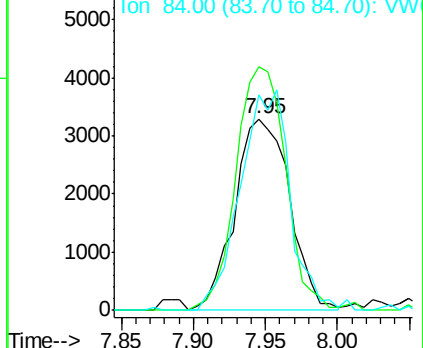
56 100

69 127.0 28.2 42.4#

84 112.3 74.1 111.1#



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: 64.707 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008993.D

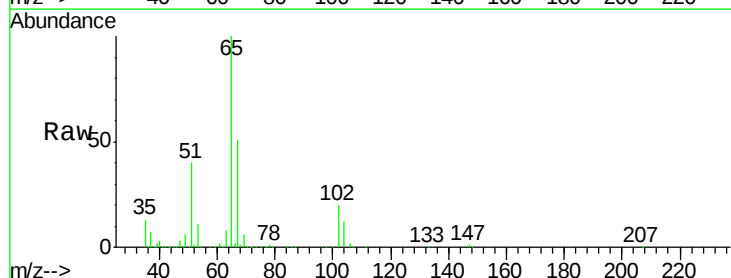
Acq: 05 Mar 2019 13:40

Tgt Ion: 65 Resp: 156603

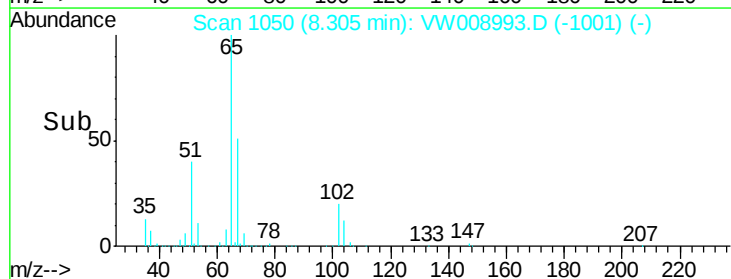
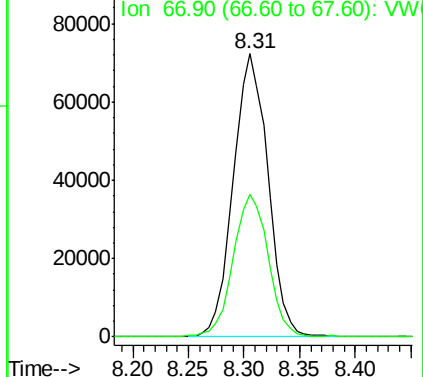
Ion Ratio Lower Upper

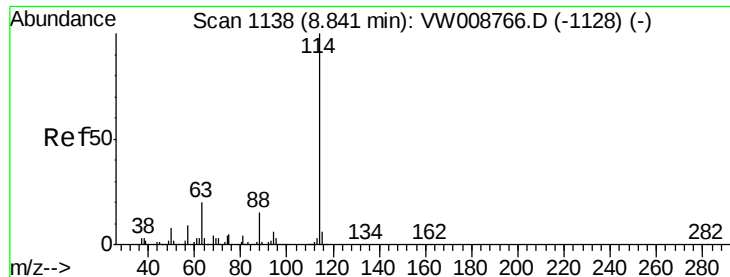
65 100

67 50.9 0.0 101.4



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

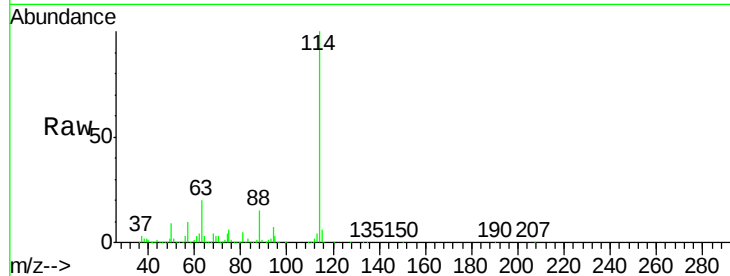




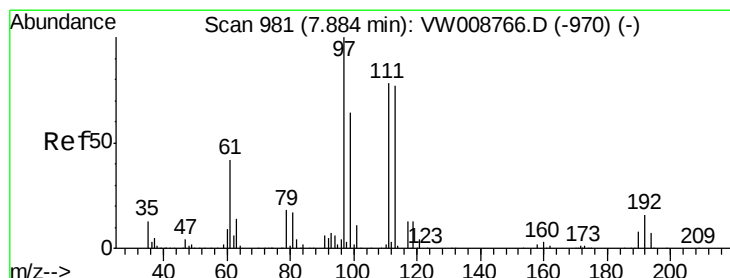
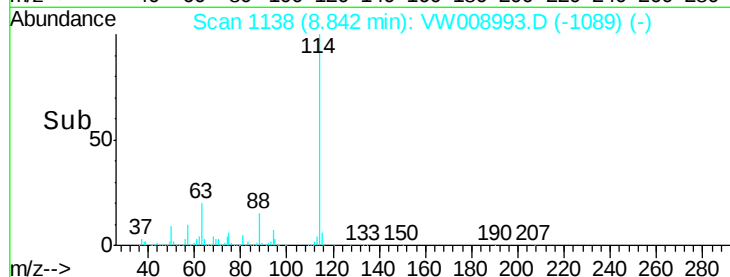
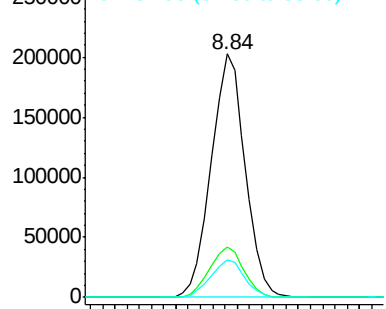
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008993.D
Acq: 05 Mar 2019 13:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 389890
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.2 0.0 30.4

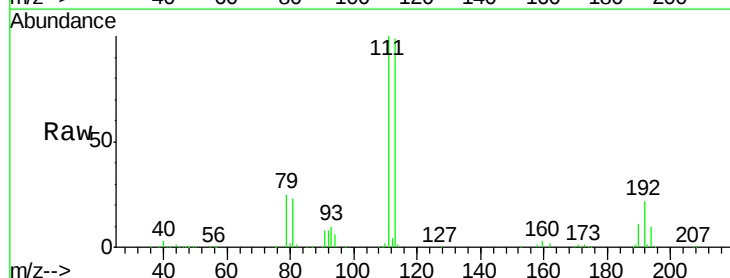


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VV
Ion 87.90 (87.60 to 88.60): VV

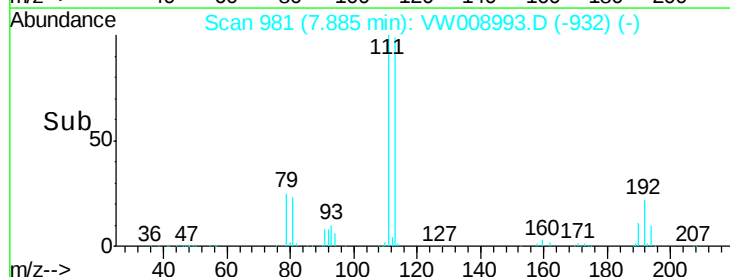
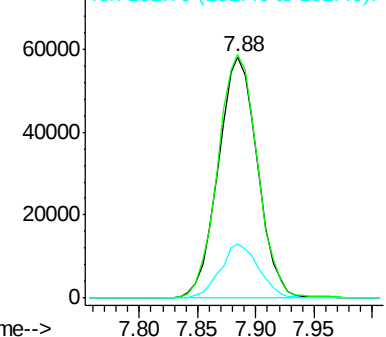


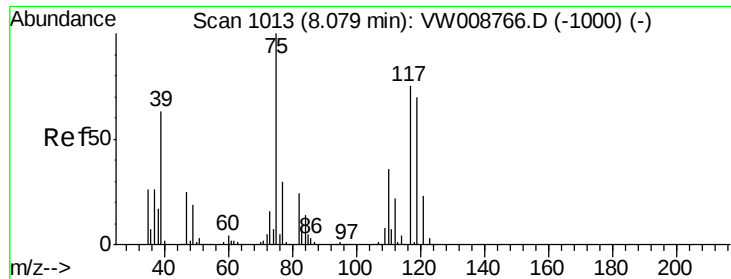
#35
Dibromofluoromethane
Concen: 58.407 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008993.D
Acq: 05 Mar 2019 13:40

Tgt Ion:113 Resp: 136728
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 22.0 17.1 25.7



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: 5.355 ug/l

RT: 7.95 min Scan# 992

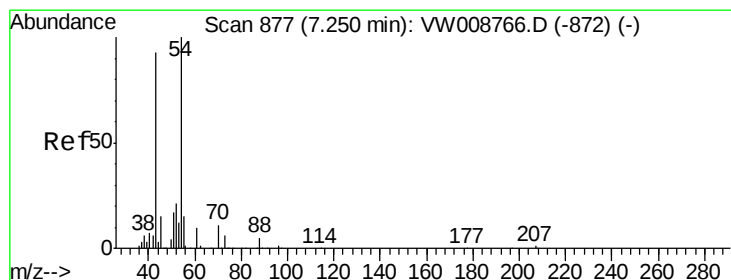
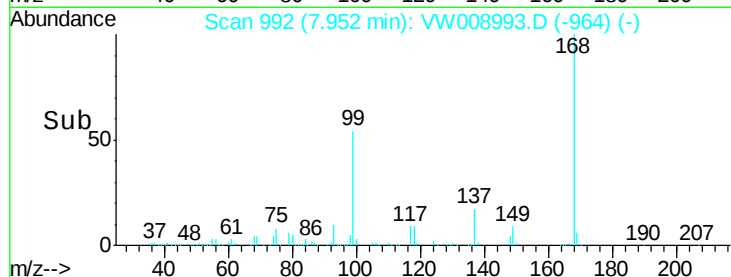
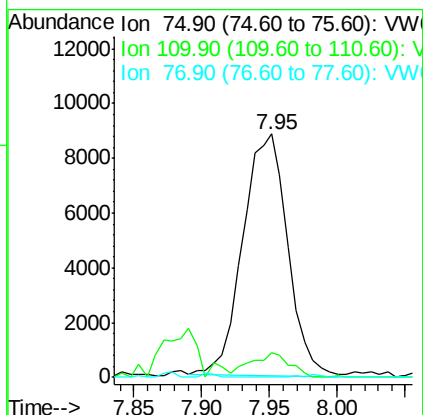
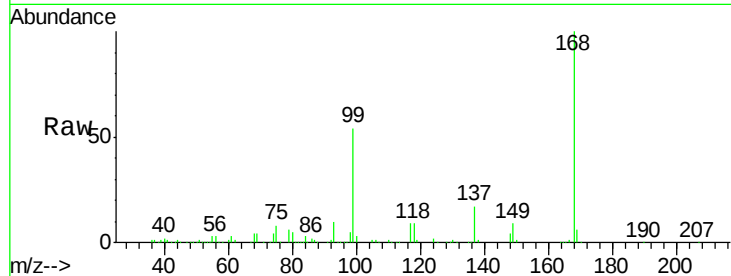
Delta R.T. -0.13 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	75	Resp:	20323
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.5	52.6#
77	0.0	24.5	36.7#



#37

Ethyl Acetate

Concen: 4.783 ug/l

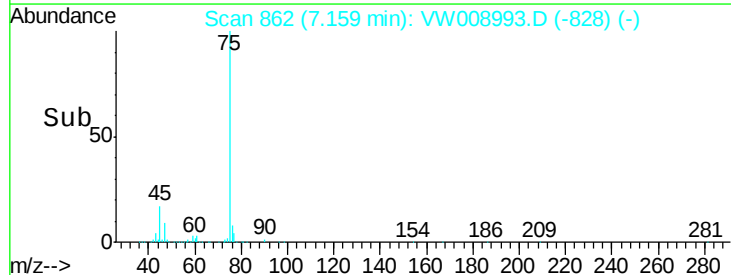
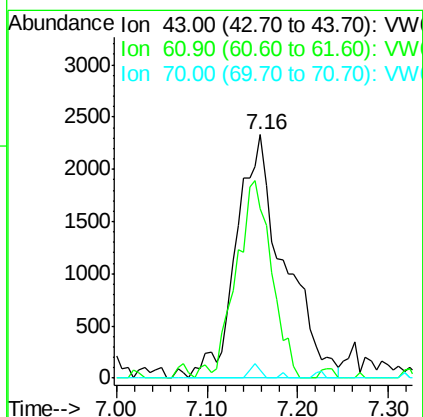
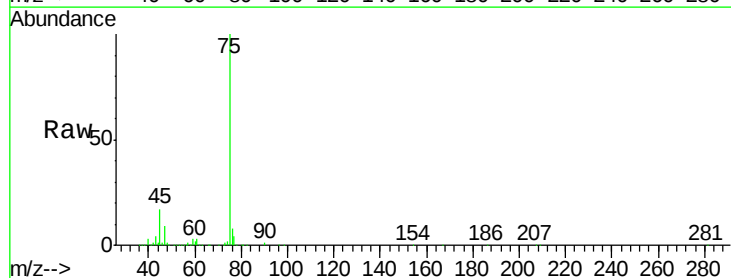
RT: 7.16 min Scan# 862

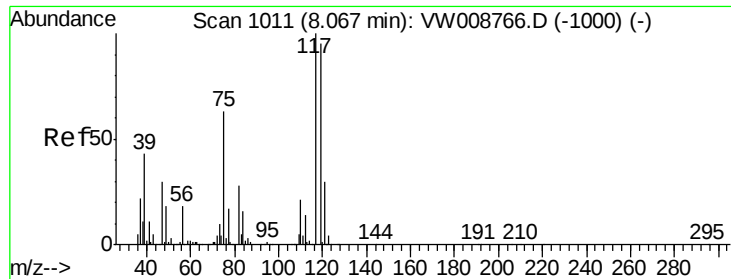
Delta R.T. -0.09 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

Tgt Ion:	43	Resp:	8442
Ion	Ratio	Lower	Upper
43	100		
61	61.2	9.8	14.8#
70	1.3	8.4	12.6#

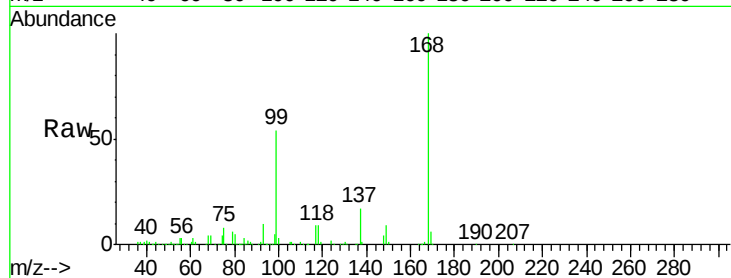




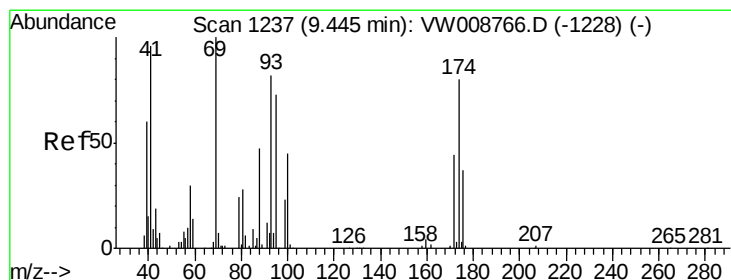
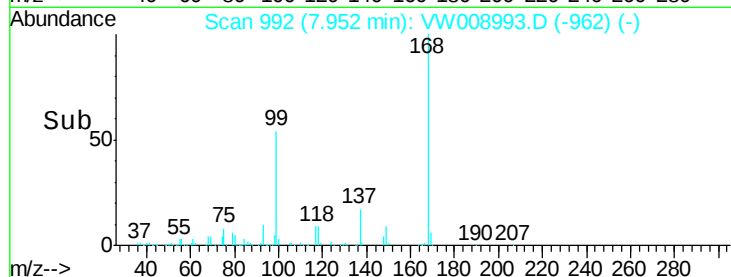
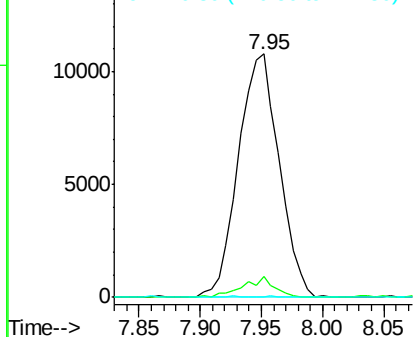
#38
Carbon Tetrachloride
Concen: 6.227 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008993.D
Acq: 05 Mar 2019 13:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 24923
Ion Ratio Lower Upper
117 100
119 8.8 76.1 114.1#
121 0.0 24.0 36.0#

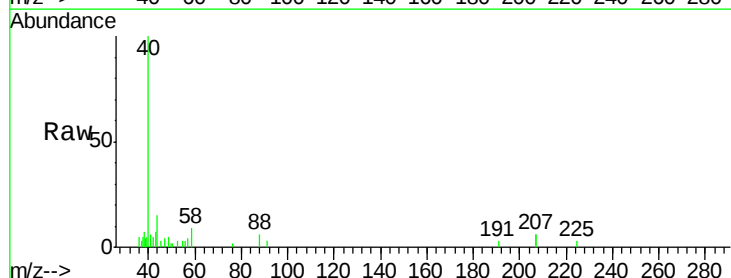


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

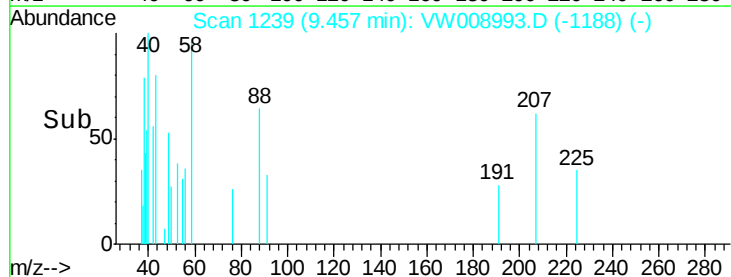
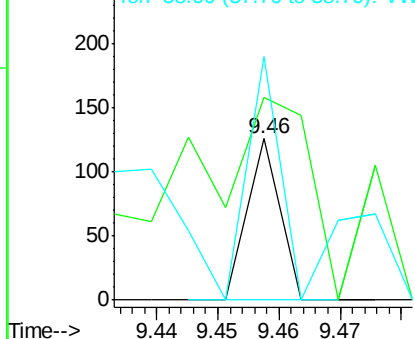


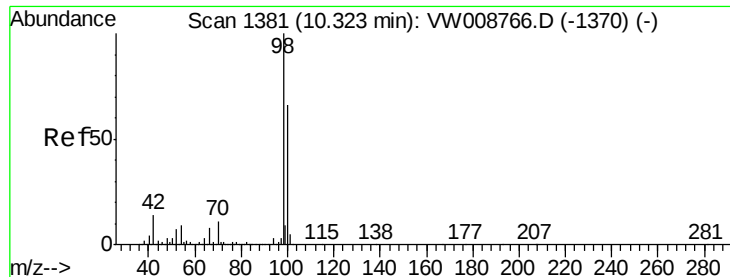
#49
1,4-Dioxane
Concen: 2.017 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008993.D
Acq: 05 Mar 2019 13:40

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 582.6 29.0 43.4#
58 254.3 52.0 78.0#



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: 45.118 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

Instrument :

MSVOA_W

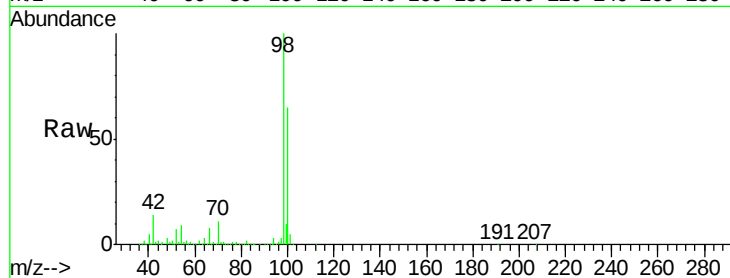
ClientSampled :

Tot Ion: 98 Resp: 407722

Ion Ratio Lower Upper

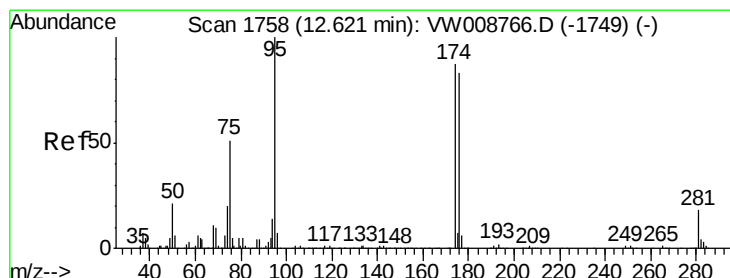
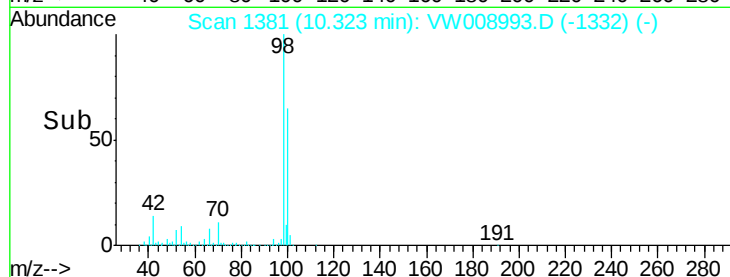
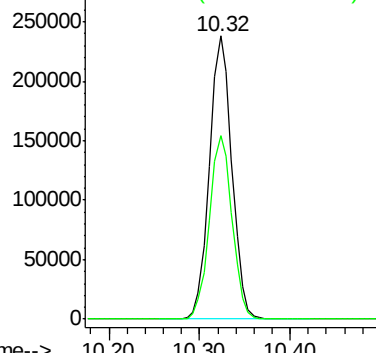
98 100

100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 18.250 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

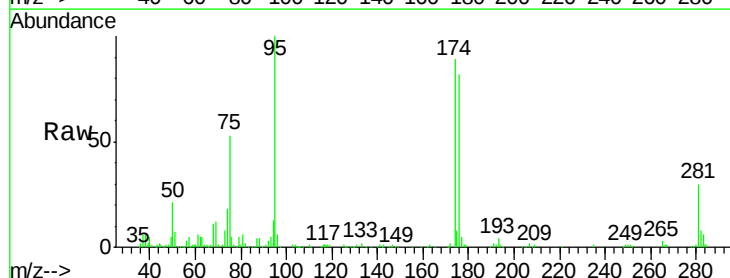
Tgt Ion: 95 Resp: 64572

Ion Ratio Lower Upper

95 100

174 85.6 0.0 169.2

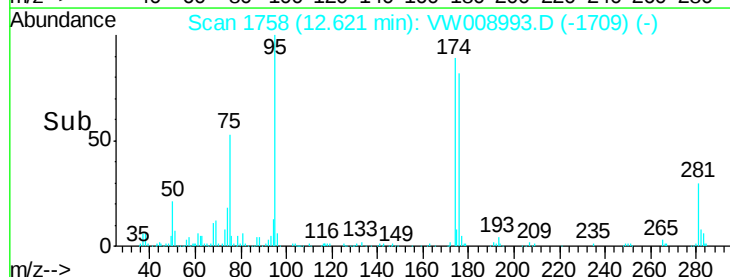
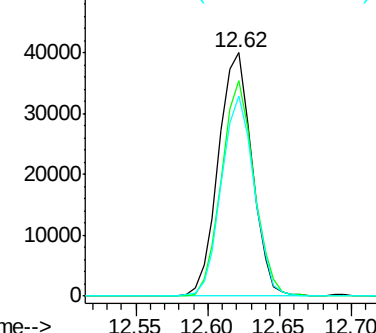
176 79.9 0.0 163.6

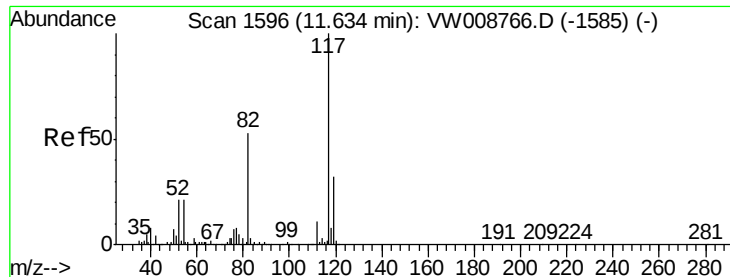


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

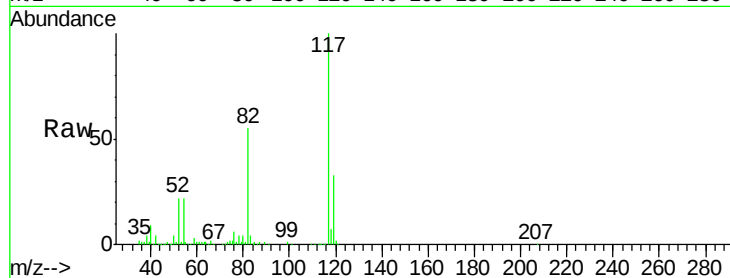
Tot Ion:117 Resp: 221105

Ion Ratio Lower Upper

117 100

82 54.7 42.2 63.4

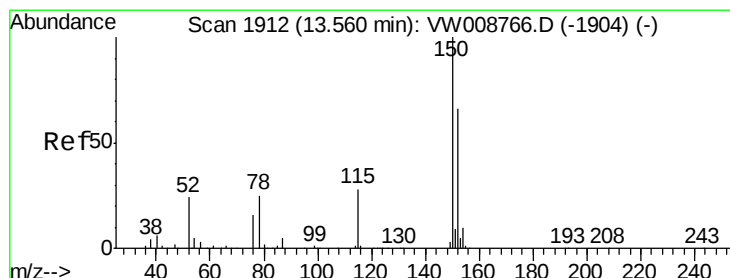
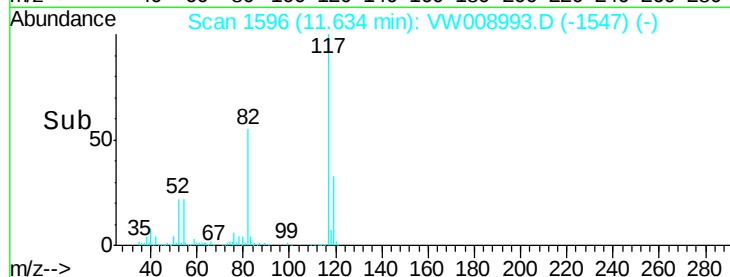
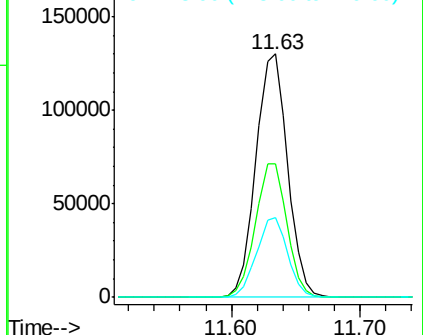
119 32.5 25.9 38.9



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: VW008993.D

Acq: 05 Mar 2019 13:40

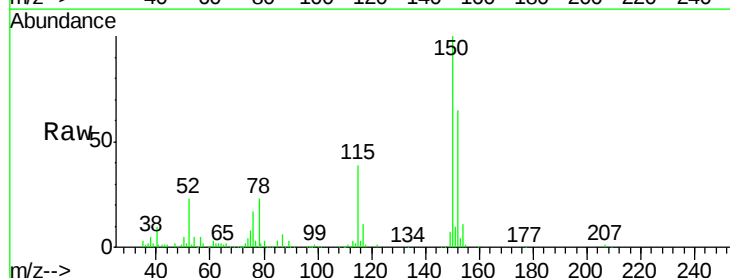
Tgt Ion:152 Resp: 40086

Ion Ratio Lower Upper

152 100

115 58.4 28.6 85.8

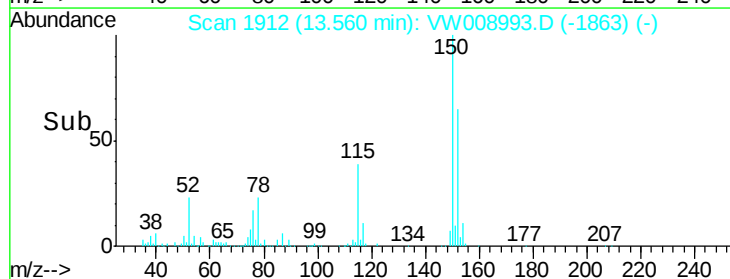
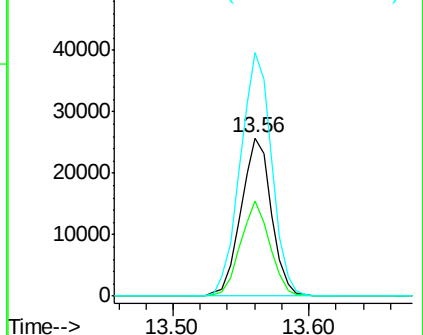
150 159.4 0.0 348.0

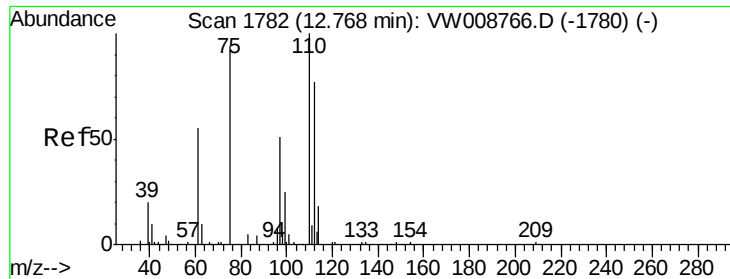


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



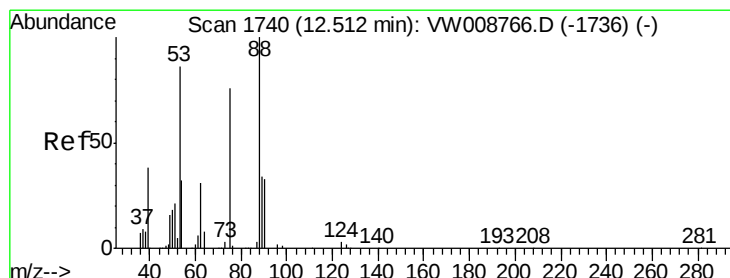
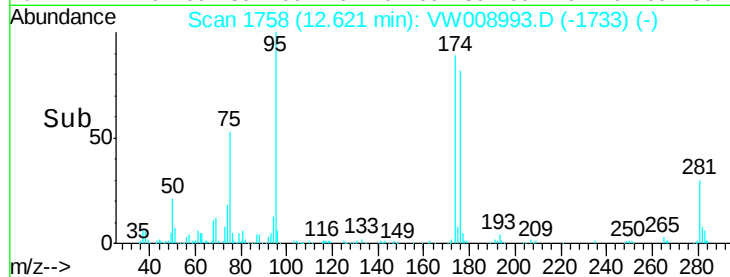
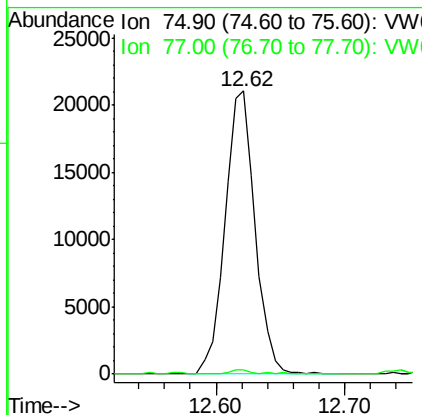
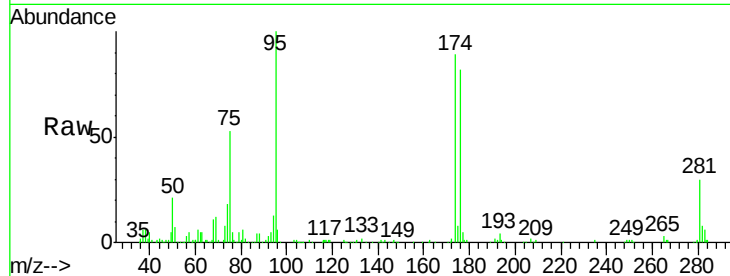


#76

1,2,3-Trichloropropane
Concen: 103.752 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008993.D
Acq: 05 Mar 2019 13:40

Instrument :
MSVOA_W
ClientSampleId :

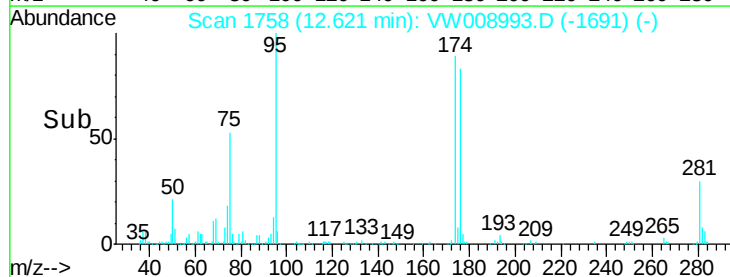
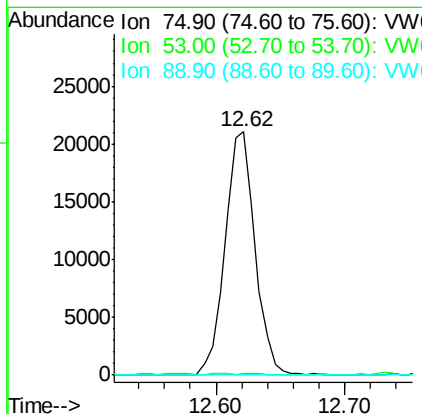
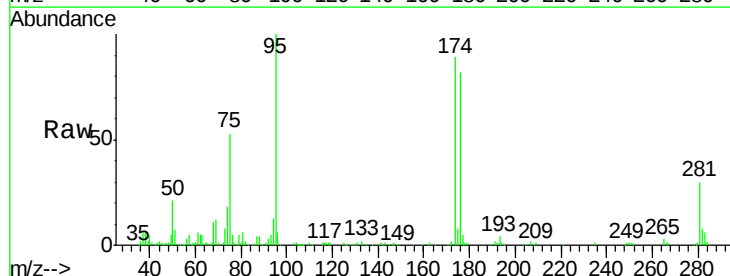
Tot Ion: 75 Resp: 34338
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

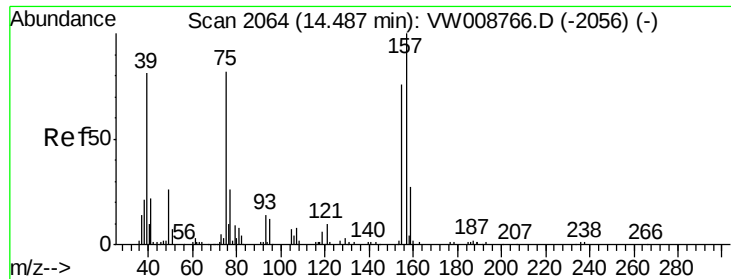


#81

trans-1,4-Dichloro-2-butene
Concen: 252.228 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW008993.D
Acq: 05 Mar 2019 13:40

Tgt Ion: 75 Resp: 34338
Ion Ratio Lower Upper
75 100
53 0.4 88.2 132.2#
89 0.0 39.5 59.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.170 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW008993.D

Acq: 05 Mar 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

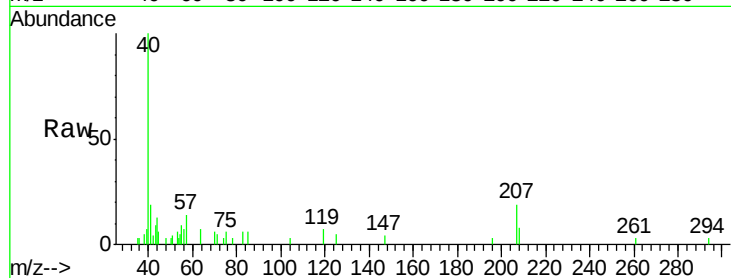
Tot Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.4#

157 0.0 56.6 169.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

