

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010384.D
 Acq On : 11 May 2019 16:38
 Operator : SY/VA
 Sample : K2719-13
 Misc : 4.57G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:27:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	703225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1210236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	713808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	722913	96.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.38%	
35) Dibromofluoromethane	7.88	113	559578	79.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	158.02%	
50) Toluene-d8	10.32	98	1266592	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
62) 4-Bromofluorobenzene	12.62	95	243207	23.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.92%	

Target Compounds

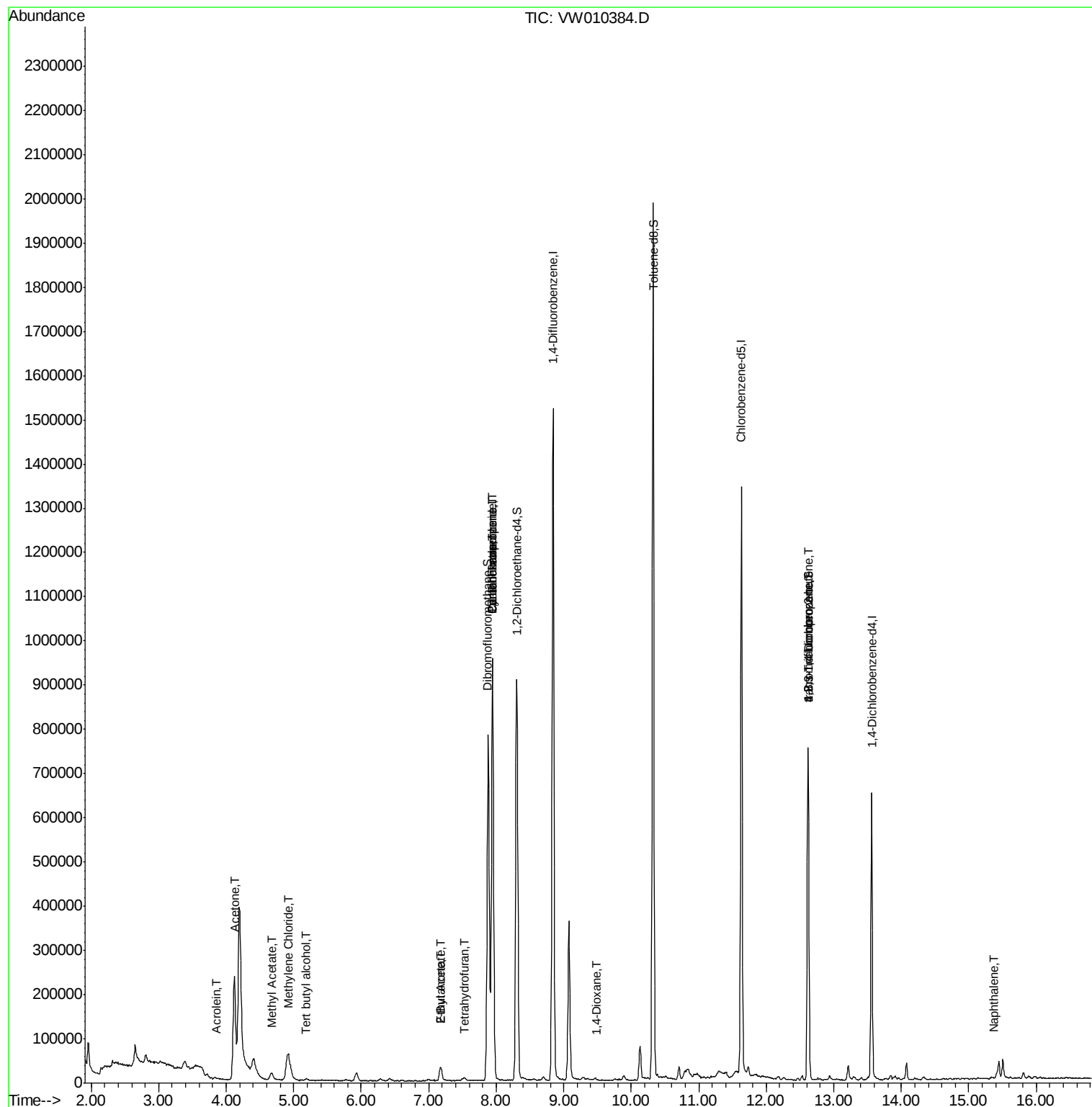
						Qvalue
11) Tert butyl alcohol	5.18	59	5925	11.222	ug/l #	88
13) Acrolein	3.87	56	908	1.303	ug/l #	16
16) Acetone	4.12	43	422221	216.635	ug/l	95
18) Methyl Acetate	4.68	43	34246	7.094	ug/l	97
20) Methylene Chloride	4.92	84	61094	7.515	ug/l	93
25) 2-Butanone	7.17	43	51323	17.213	ug/l	93
29) Tetrahydrofuran	7.54	42	3338	1.731	ug/l #	85
31) Cyclohexane	7.94	56	16782	1.096	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	60410	4.604	ug/l #	49
37) Ethyl Acetate	7.17	43	51323	7.346	ug/l #	72
38) Carbon Tetrachloride	7.95	117	71386	6.346	ug/l #	18
49) 1,4-Dioxane	9.49	88	87	1.081	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	122960	64.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	122960	146.339	ug/l #	6
95) Naphthalene	15.37	128	2021	3.848	ug/l	97

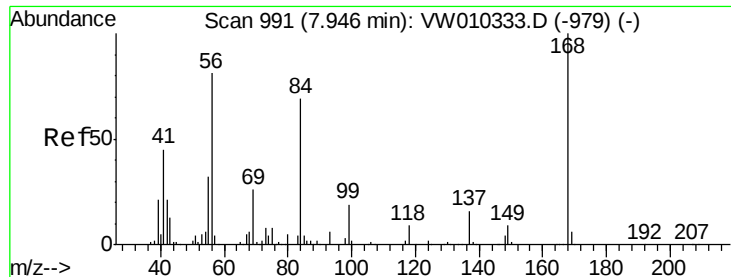
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010384.D

Acq: 11 May 2019 16:38

Instrument :

MSVOA_W

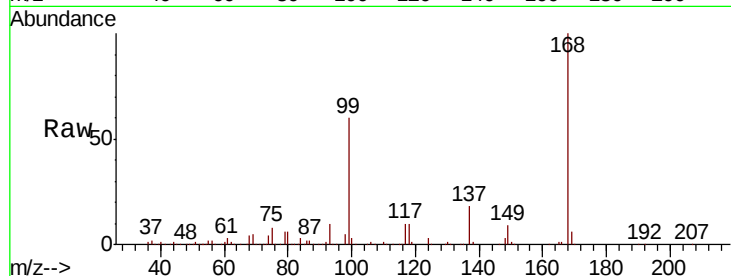
ClientSampleId :

Tot Ion:168 Resp: 703225

Ion Ratio Lower Upper

168 100

99 59.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

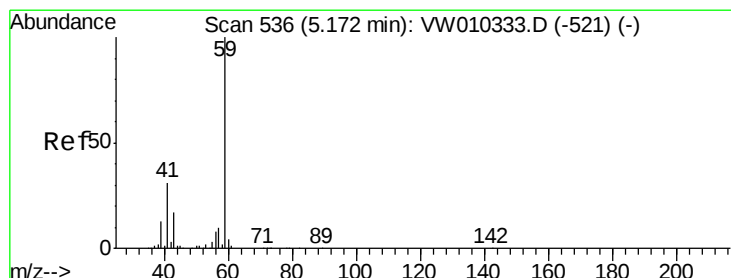
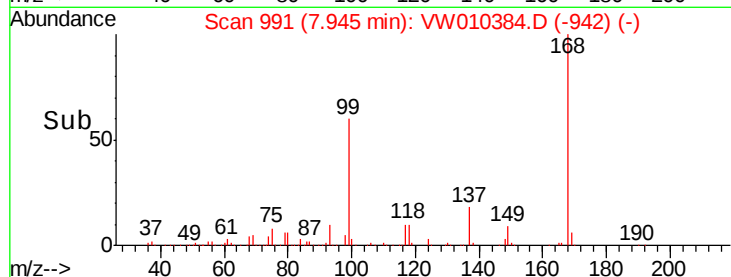
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 11.222 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010384.D

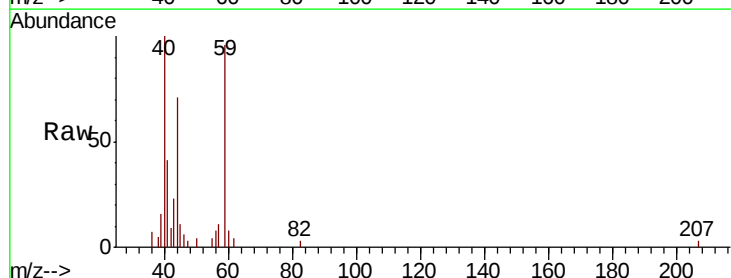
Acq: 11 May 2019 16:38

Tgt Ion: 59 Resp: 5925

Ion Ratio Lower Upper

59 100

57 6.6 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

2000

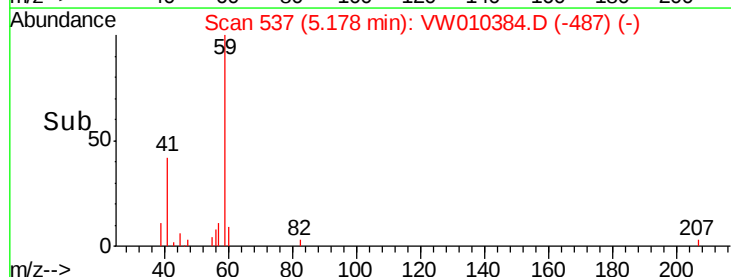
1500

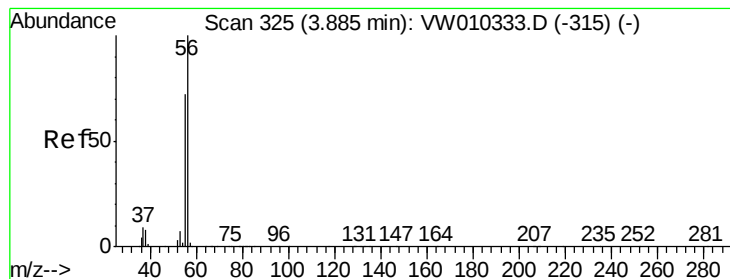
1000

500

0

Time--> 5.10 5.20 5.30





#13

Acrolein

Concen: 1.303 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

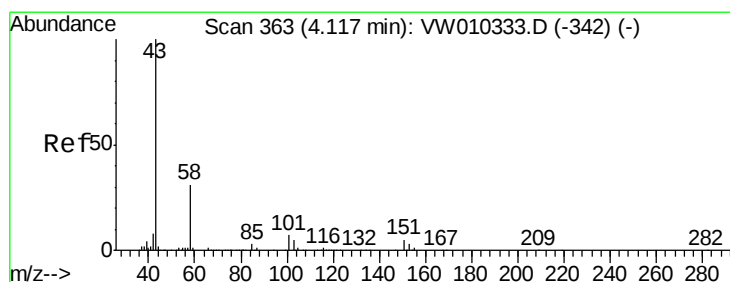
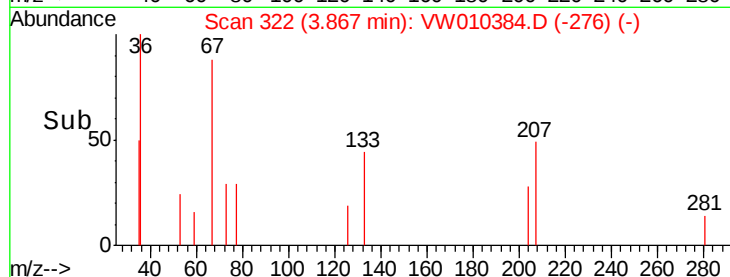
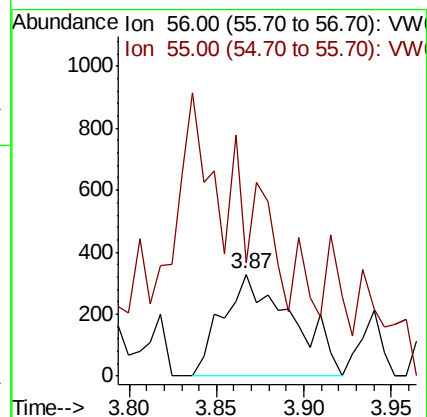
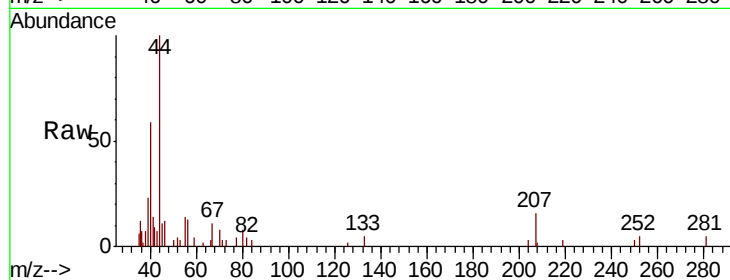
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 908

Ion Ratio Lower Upper

56 100

55 0.0 54.2 81.2#



#16

Acetone

Concen: 216.635 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010384.D

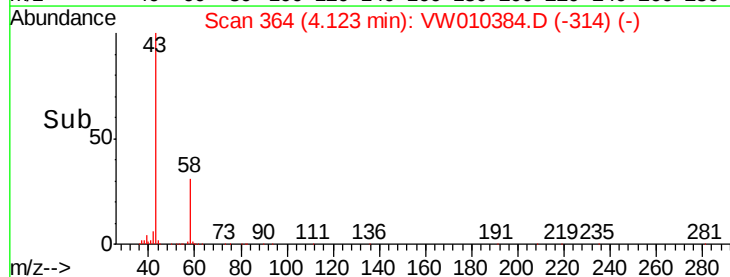
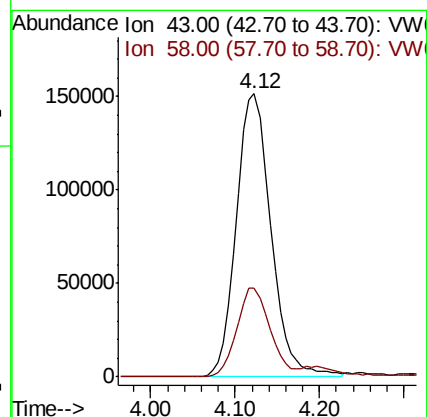
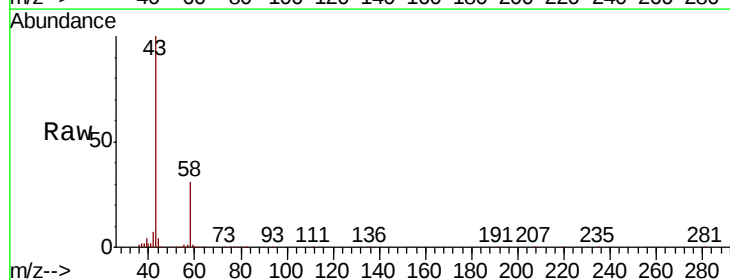
Acq: 11 May 2019 16:38

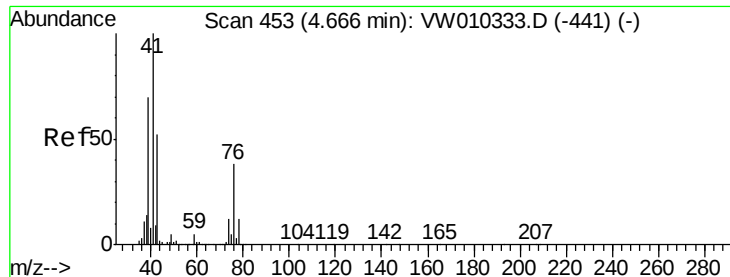
Tgt Ion: 43 Resp: 422221

Ion Ratio Lower Upper

43 100

58 31.2 22.7 34.1

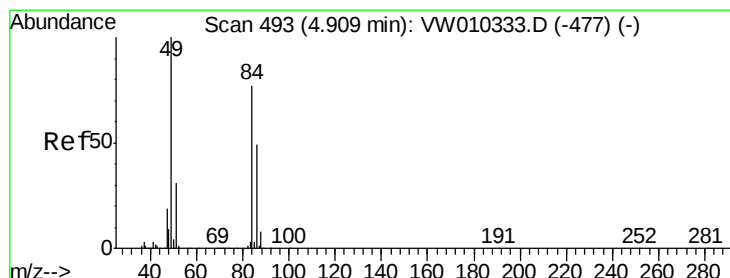
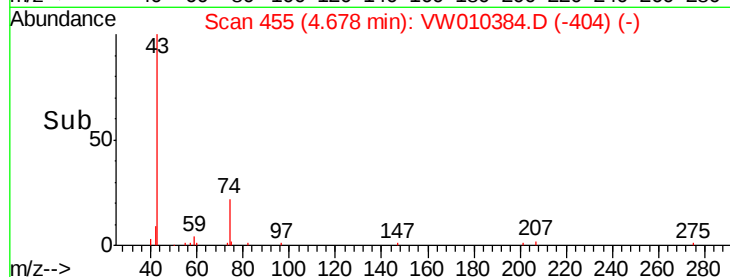
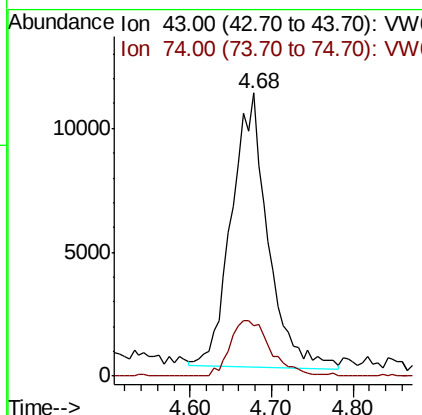
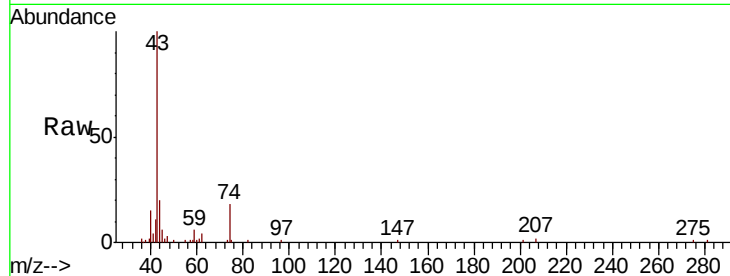




#18
Methyl Acetate
Concen: 7.094 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010384.D
Acq: 11 May 2019 16:38

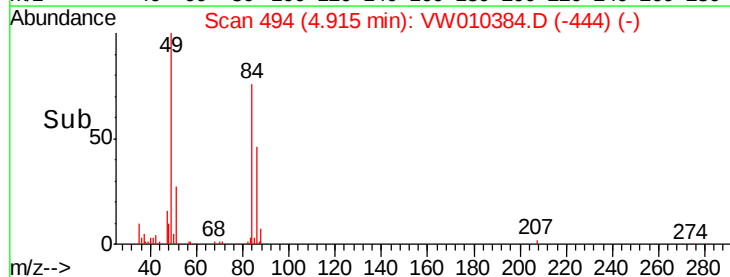
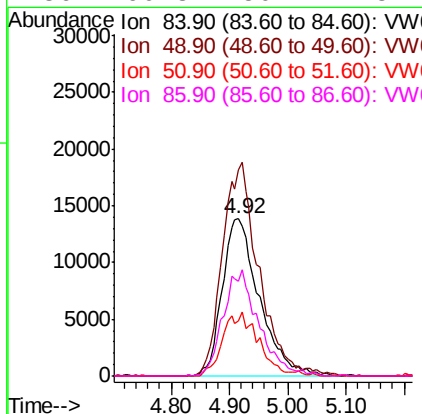
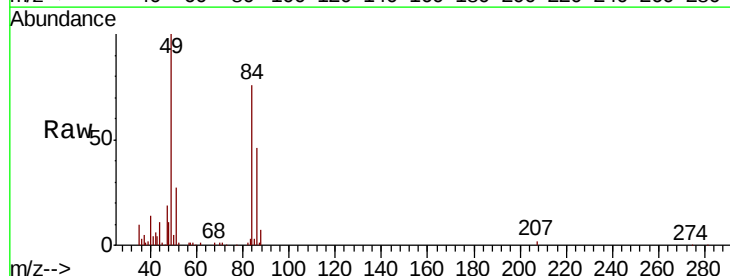
Instrument :
MSVOA_W
ClientSampled :

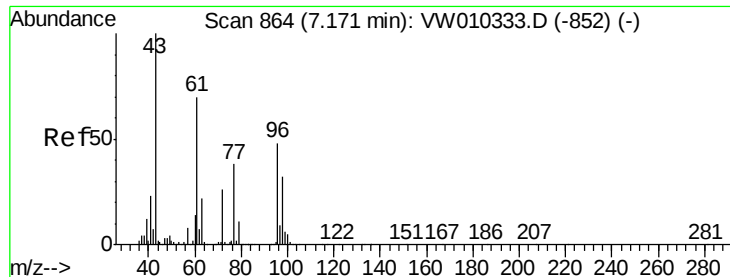
Tot Ion: 43 Resp: 34246
Ion Ratio Lower Upper
43 100
74 22.4 16.8 25.2



#20
Methylene Chloride
Concen: 7.515 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010384.D
Acq: 11 May 2019 16:38

Tgt Ion: 84 Resp: 61094
Ion Ratio Lower Upper
84 100
49 130.4 112.3 168.5
51 35.4 33.9 50.9
86 60.3 50.2 75.4





#25

2-Butanone

Concen: 17.213 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

Instrument :

MSVOA_W

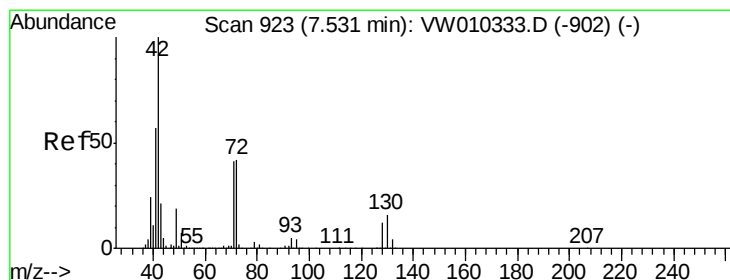
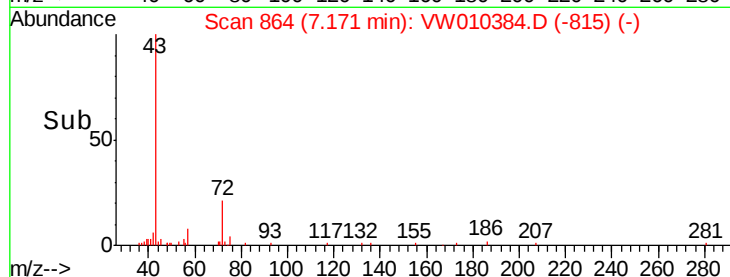
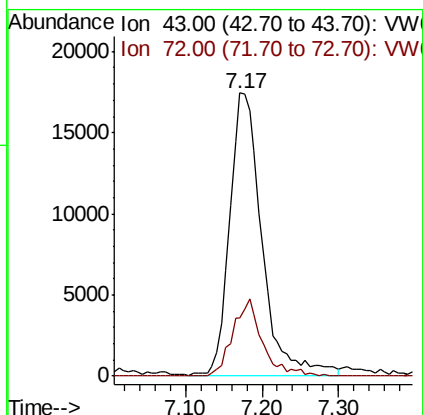
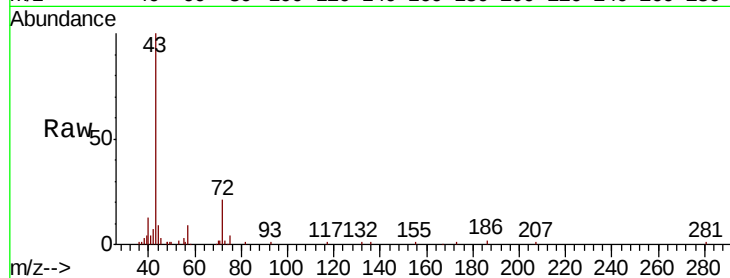
ClientSampled :

Tot Ion: 43 Resp: 51323

Ion Ratio Lower Upper

43 100

72 20.6 19.1 28.7



#29

Tetrahydrofuran

Concen: 1.731 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

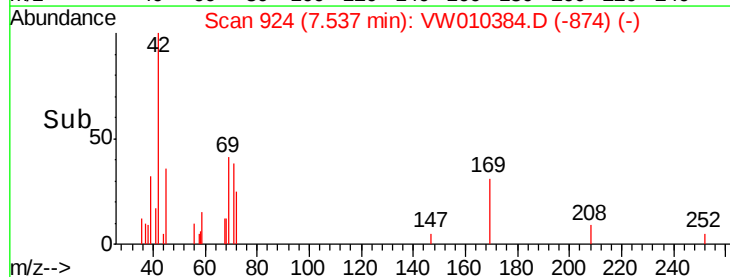
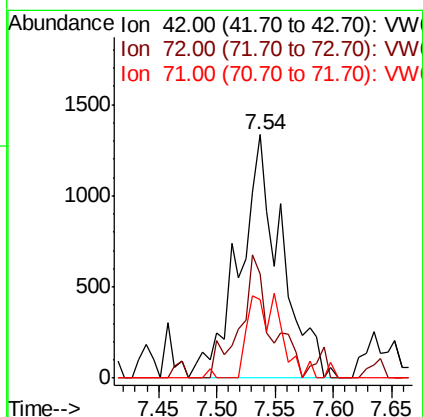
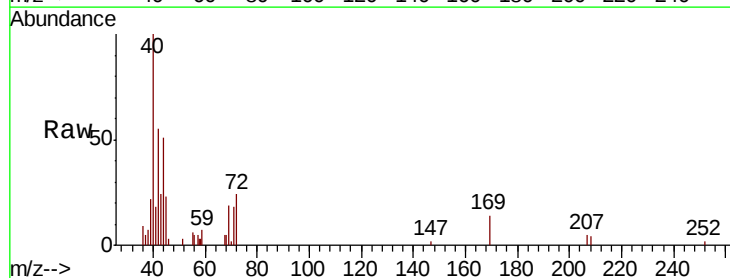
Tgt Ion: 42 Resp: 3338

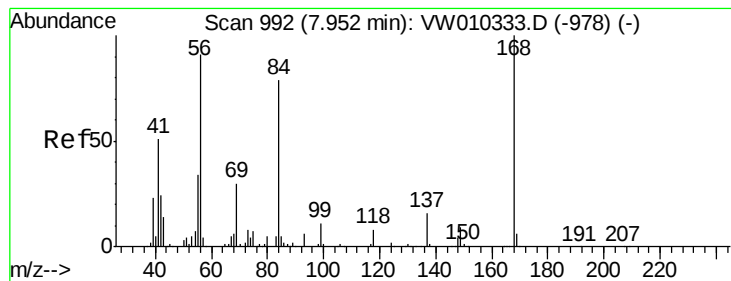
Ion Ratio Lower Upper

42 100

72 30.5 31.0 46.6#

71 27.1 29.7 44.5#





#31

Cvclohexane

Concen: 1.096 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

Instrument :

MSVOA_W

ClientSampled :

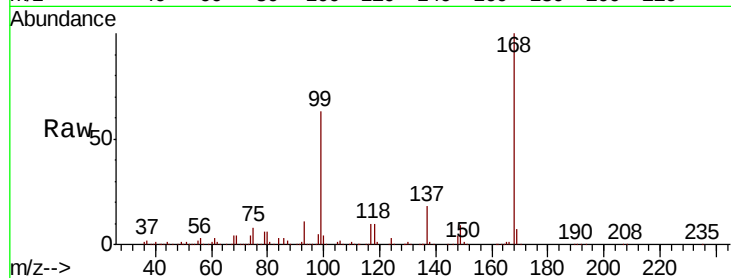
Tot Ion: 56 Resp: 16782

Ion Ratio Lower Upper

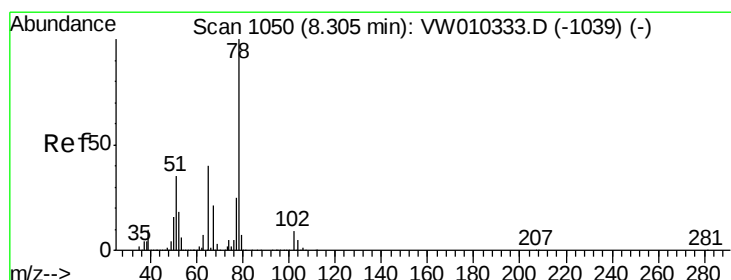
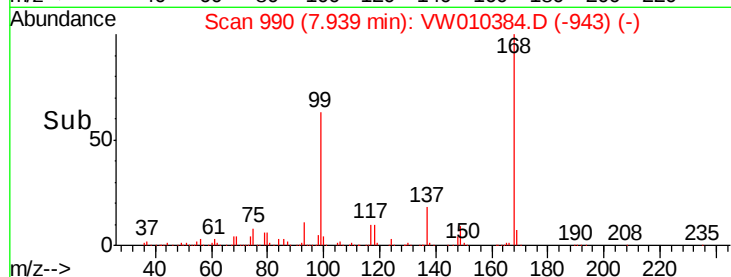
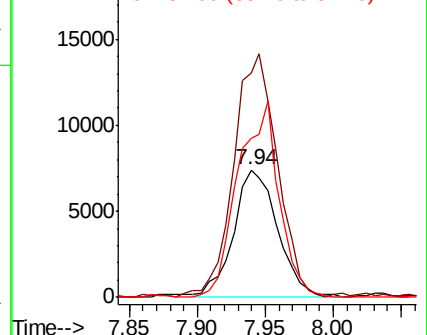
56 100

69 173.2 26.6 40.0#

84 124.7 66.2 99.2#



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: 96.695 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010384.D

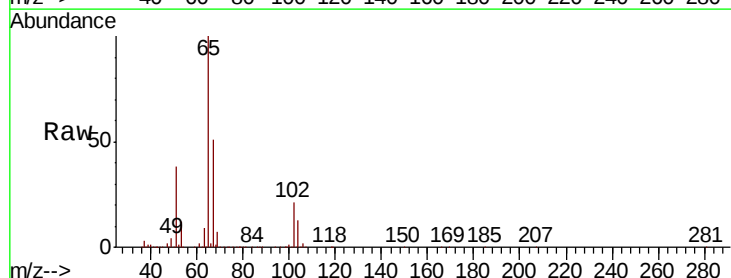
Acq: 11 May 2019 16:38

Tgt Ion: 65 Resp: 722913

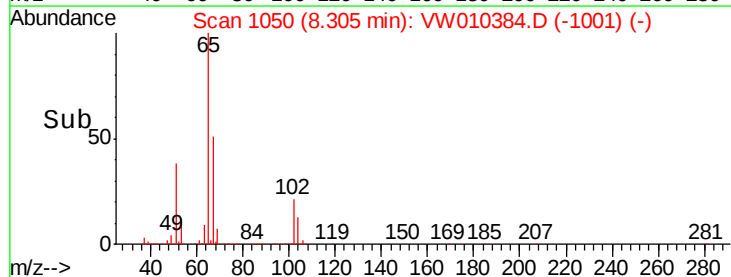
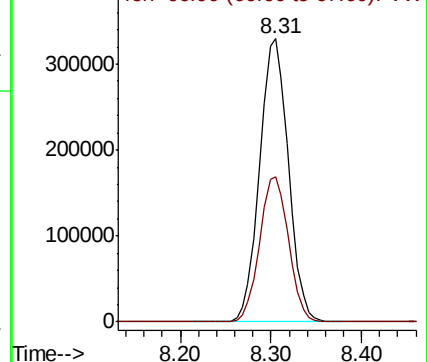
Ion Ratio Lower Upper

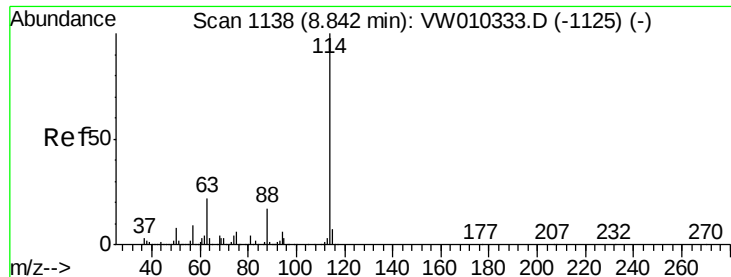
65 100

67 51.7 0.0 100.8



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

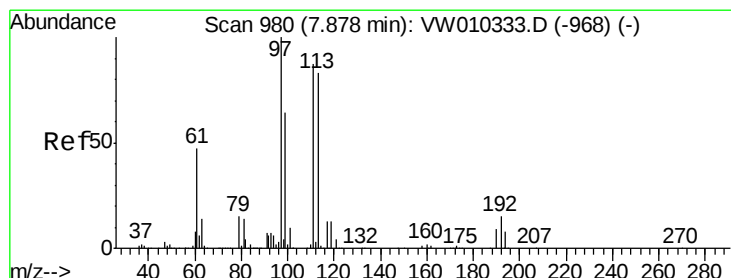
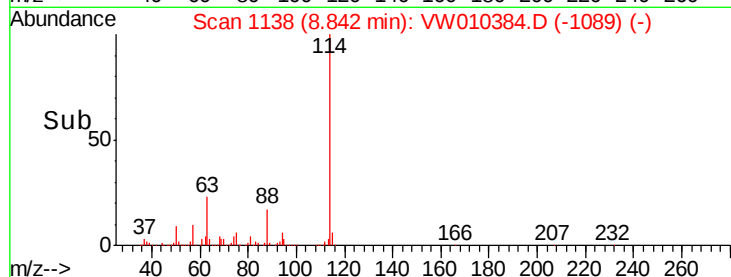
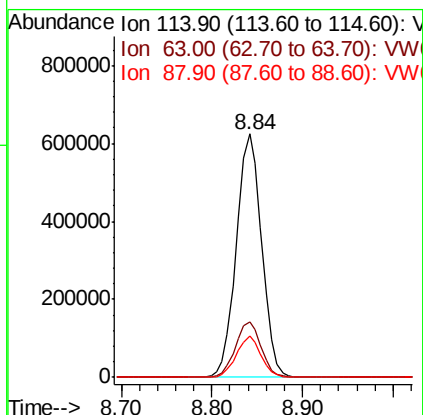
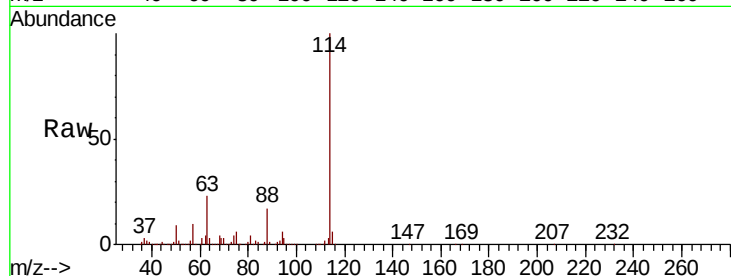




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010384.D
Acq: 11 May 2019 16:38

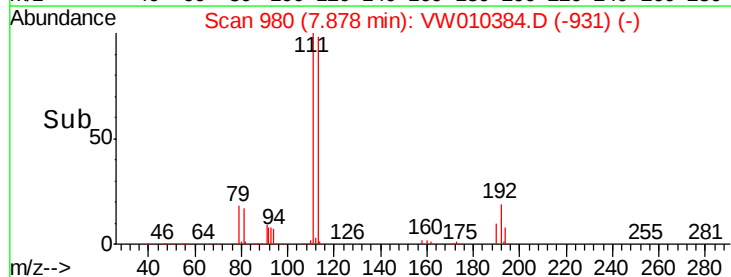
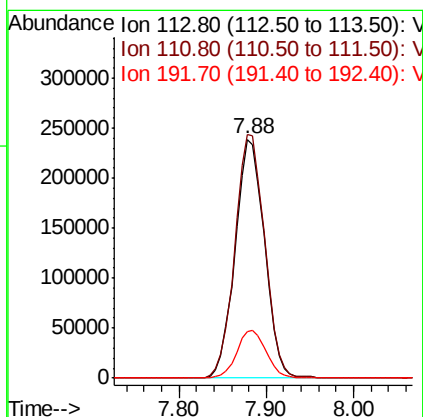
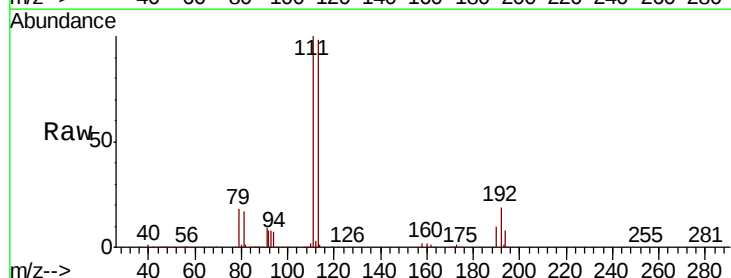
Instrument :
MSVOA_W
ClientSampleId :

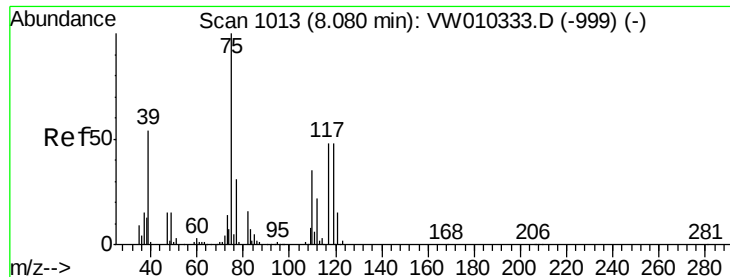
Tot Ion:114 Resp: 1210236
Ion Ratio Lower Upper
114 100
63 22.9 0.0 46.2
88 16.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 79.012 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW010384.D
Acq: 11 May 2019 16:38

Tgt Ion:113 Resp: 559578
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 19.9 15.4 23.2

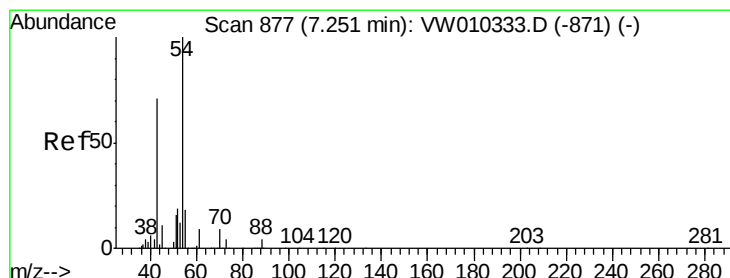
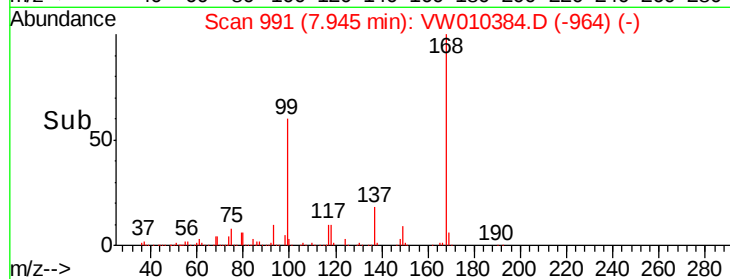
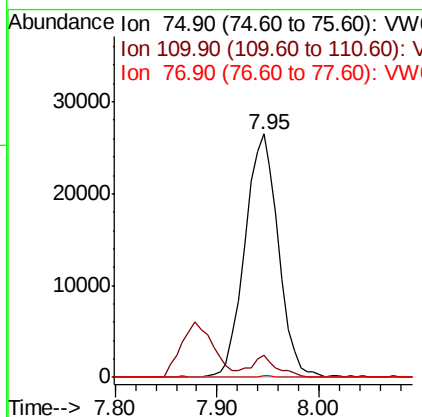
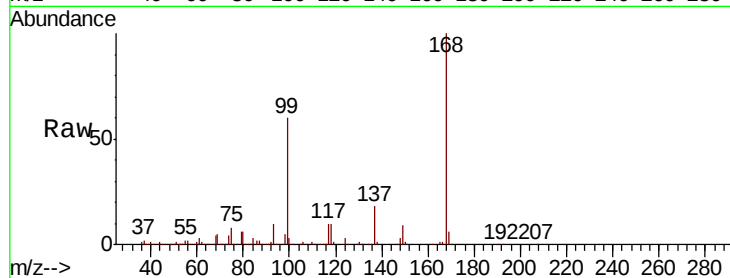




#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010384.D
 Acq: 11 May 2019 16:38

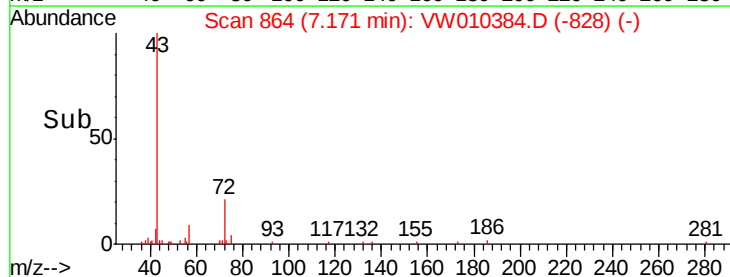
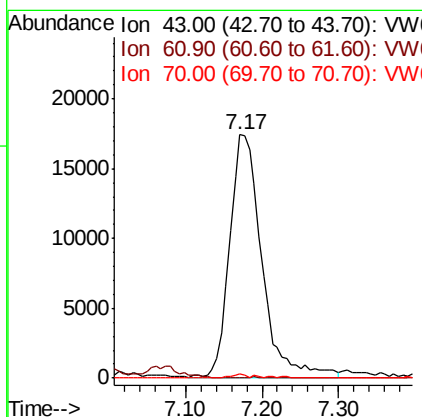
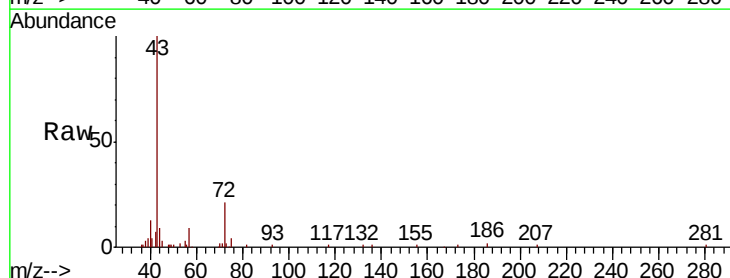
Instrument :
 MSVOA_W
 ClientSampleId :

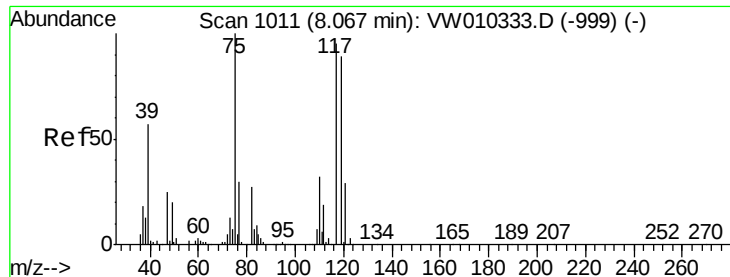
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.9	16.6	49.8#
77	0.3	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 7.346 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW010384.D
 Acq: 11 May 2019 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.2	9.8	14.8#
70	0.7	7.4	11.0#





#38

Carbon Tetrachloride

Concen: 6.346 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

Instrument :

MSVOA_W

ClientSampleId :

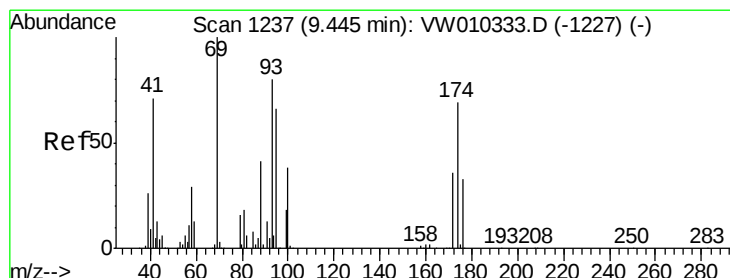
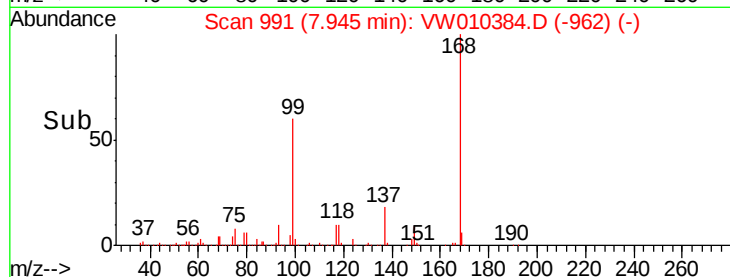
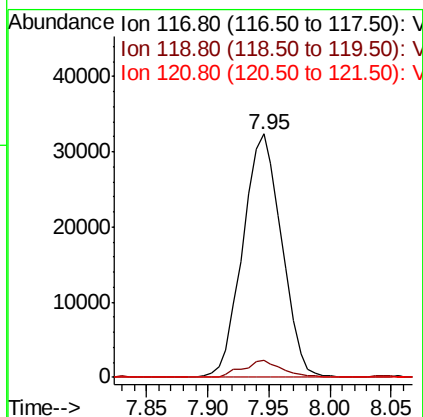
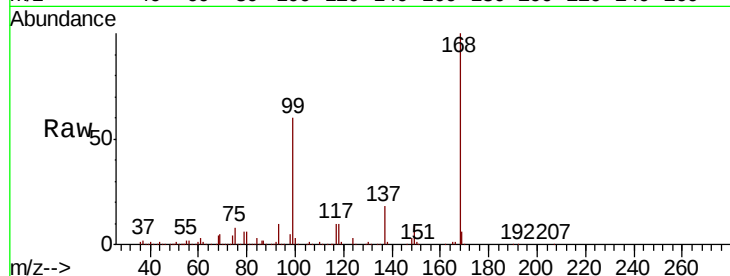
Tot Ion:117 Resp: 71386

Ion Ratio Lower Upper

117 100

119 7.2 75.3 112.9#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: 1.081 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.04 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

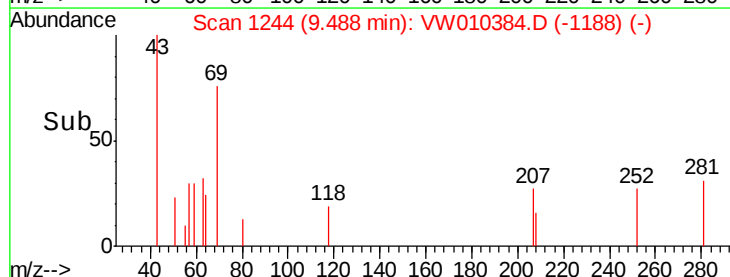
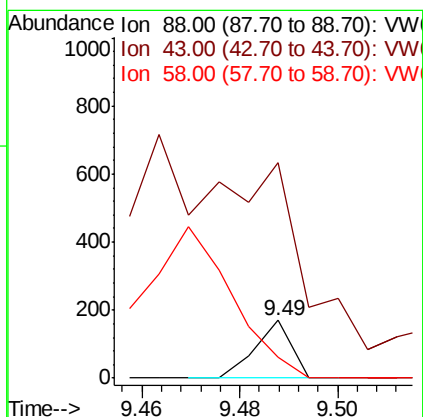
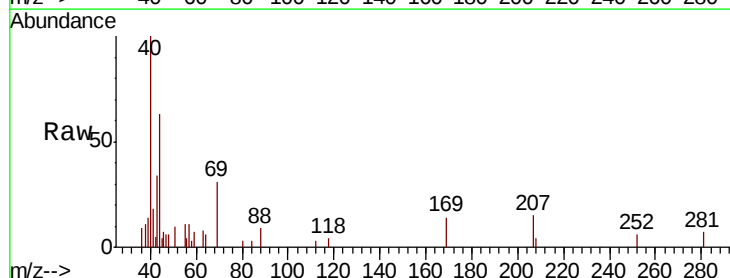
Tgt Ion: 88 Resp: 87

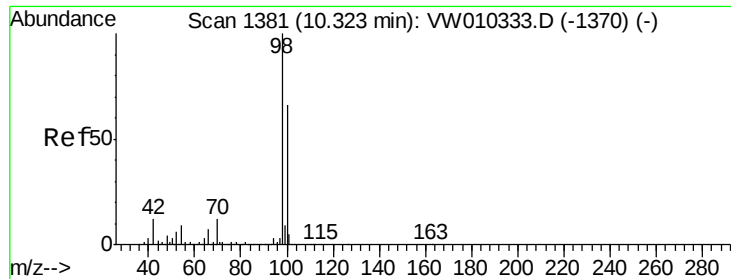
Ion Ratio Lower Upper

88 100

43 0.0 31.9 47.9#

58 0.0 61.8 92.6#





#50

Toluene-d8

Concen: 43.920 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

Instrument :

MSVOA_W

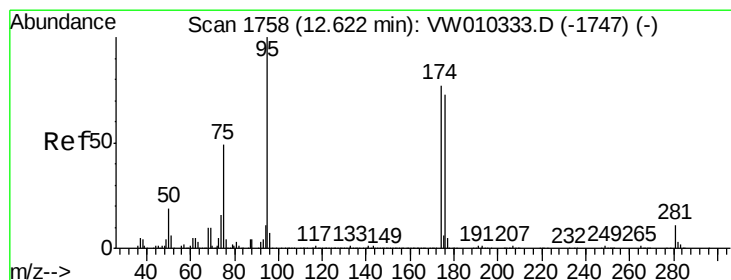
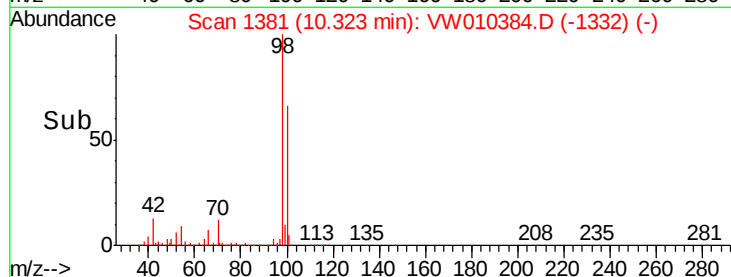
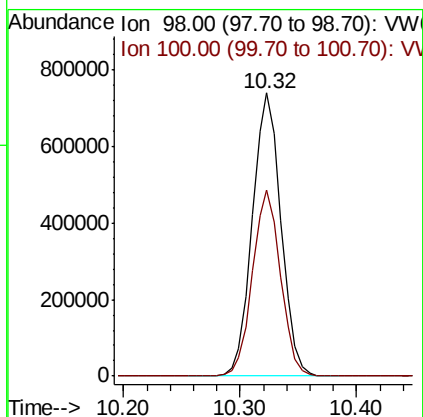
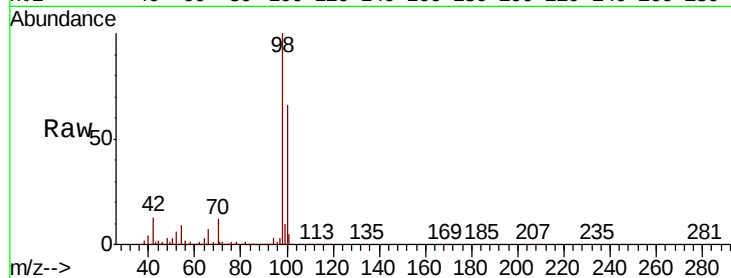
ClientSampleId :

Tot Ion: 98 Resp: 1266592

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 23.958 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

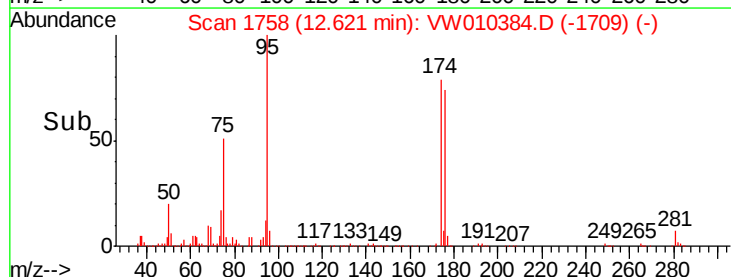
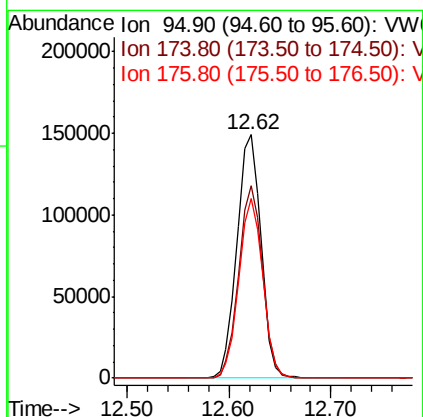
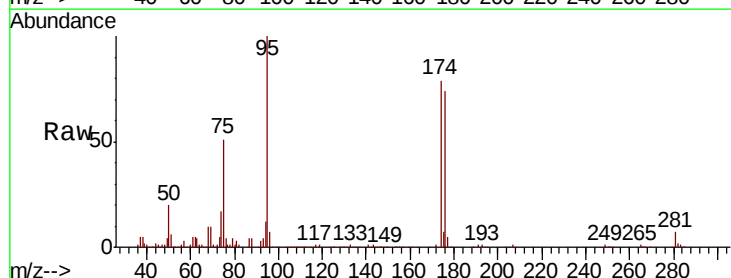
Tgt Ion: 95 Resp: 243207

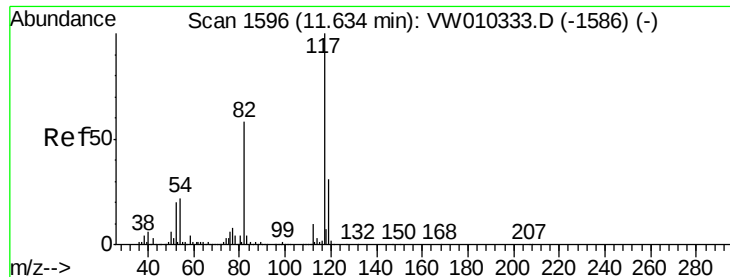
Ion Ratio Lower Upper

95 100

174 77.9 0.0 151.4

176 73.2 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

Instrument :

MSVOA_W

ClientSampleId :

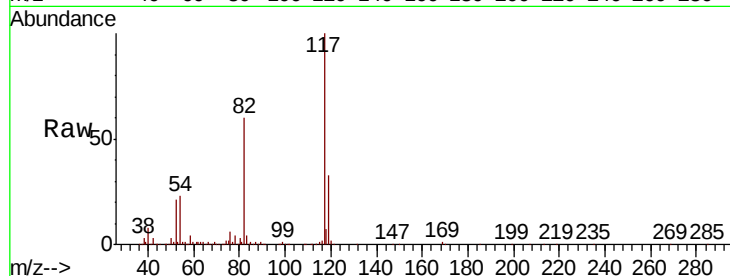
Tot Ion:117 Resp: 713808

Ion Ratio Lower Upper

117 100

82 59.8 45.2 67.8

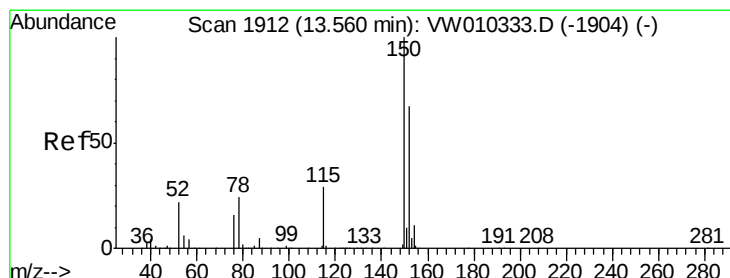
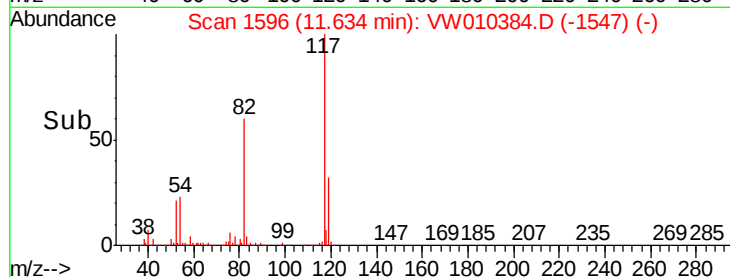
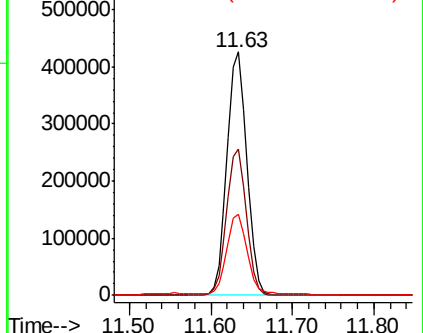
119 32.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

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: VW010384.D

Acq: 11 May 2019 16:38

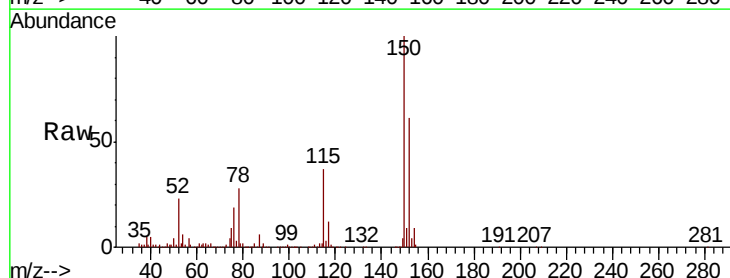
Tgt Ion:152 Resp: 162749

Ion Ratio Lower Upper

152 100

115 59.5 30.4 91.2

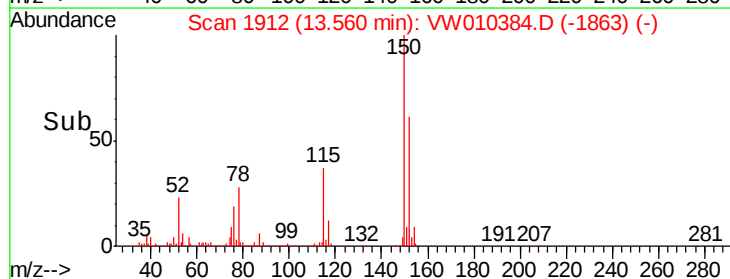
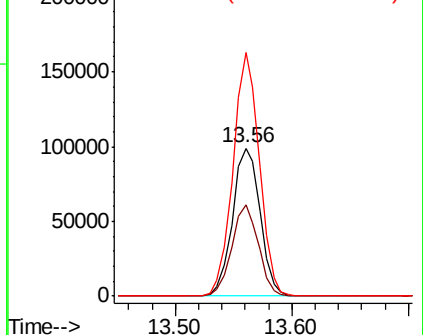
150 157.9 0.0 347.0

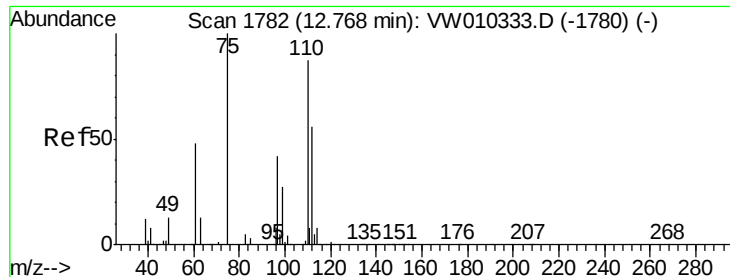


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 64.800 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

Instrument :

MSVOA_W

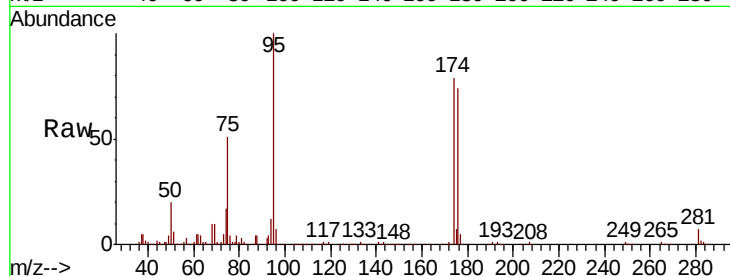
ClientSampleId :

Tot Ion: 75 Resp: 122960

Ion Ratio Lower Upper

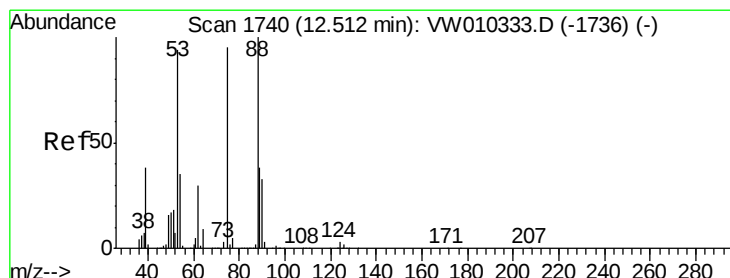
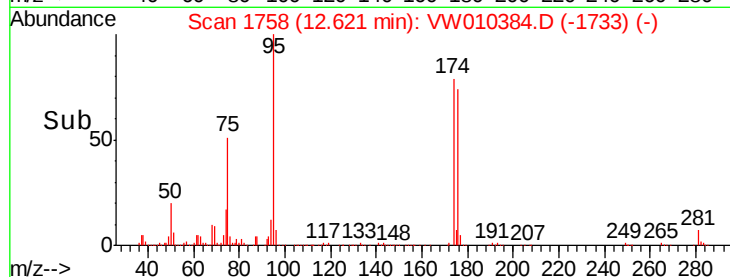
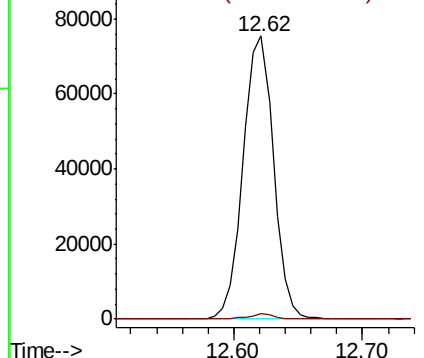
75 100

77 1.7 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: 146.339 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

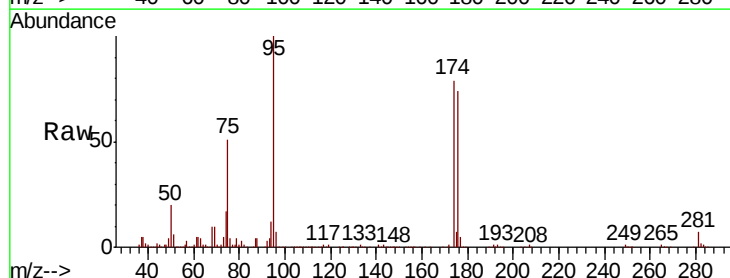
Tgt Ion: 75 Resp: 122960

Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.8#

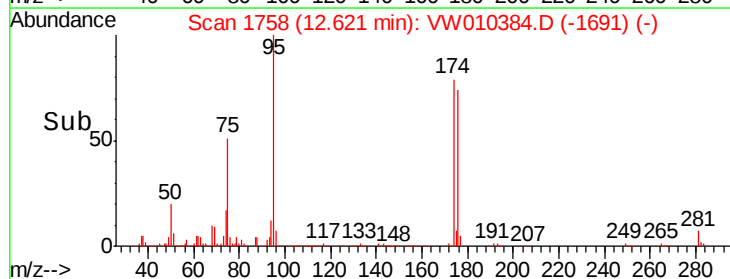
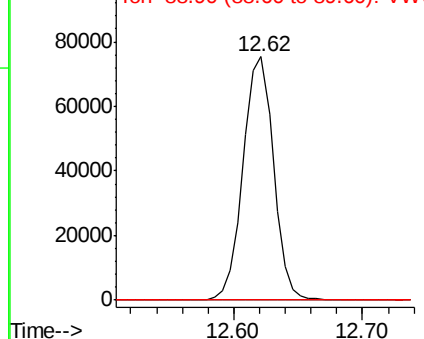
89 0.2 36.6 54.8#

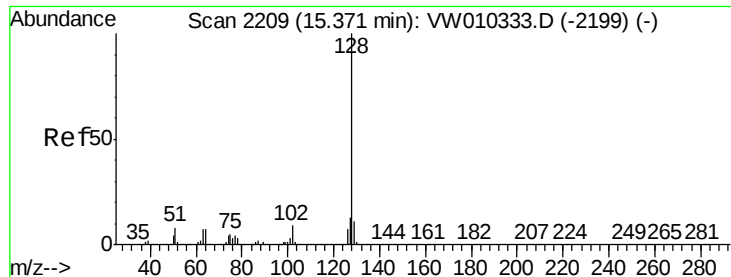


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 3.848 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010384.D

Acq: 11 May 2019 16:38

Instrument :

MSVOA_W

ClientSampleId :

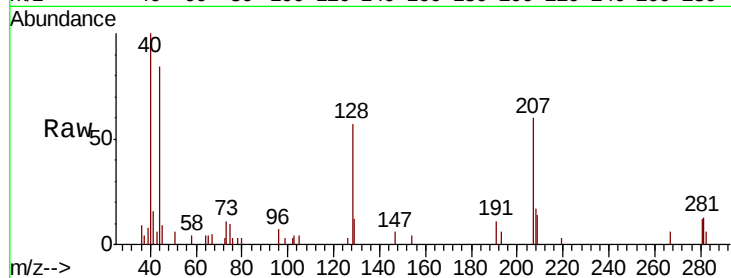
Tot Ion:128 Resp: 2021

Ion Ratio Lower Upper

128 100

127 11.2 10.6 15.8

129 11.5 8.7 13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

