

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008565.D
 Acq On : 07 Feb 2019 20:50
 Operator : SY/VA
 Sample : K1409-02
 Misc : 6.53G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-08(14-17)

Quant Time: Feb 08 22:44:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	502402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1230614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	1154663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	957949	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.20	65	586778	118.89	ug/l	-0.11
Spiked Amount						
			Recovery	=	237.78%	
35) Dibromofluoromethane	7.88	113	331935	46.13	ug/l	0.00
Spiked Amount						
			Recovery	=	92.26%	
50) Toluene-d8	10.35	98	12284590	425.73	ug/l	0.03
Spiked Amount						
			Recovery	=	851.46%	
62) 4-Bromofluorobenzene	12.62	95	2833113	255.43	ug/l	0.00
Spiked Amount						
			Recovery	=	510.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	222	3.324	ug/l #	41
3) Chloromethane	2.17	50	288704	70.399	ug/l #	66
5) Bromomethane	2.75	94	5180	1.538	ug/l #	64
7) Trichlorofluoromethane	3.26	101	182	4.761	ug/l #	79
11) Tert butyl alcohol	5.40	59	301480	758.679	ug/l #	70
13) Acrolein	3.81	56	6156778	17270.983	ug/l #	14
14) Allyl chloride	4.72	41	4549329	520.978	ug/l #	79
15) Acrylonitrile	5.41	53	10334361	9552.195	ug/l #	39
18) Methyl Acetate	4.70	43	2736209	925.568	ug/l #	54
19) Methyl tert-butyl Ether	5.42	73	69574	9.144	ug/l #	1
20) Methylene Chloride	5.05	84	13995347	2739.598	ug/l #	33
23) Vinyl Acetate	6.24	43	12940497	1324.210	ug/l #	76
24) 1,1-Dichloroethane	6.27	63	2246785	239.841	ug/l #	83
25) 2-Butanone	7.18	43	10399299	6754.971	ug/l #	51
26) 2,2-Dichloropropane	6.99	77	1988696	314.066	ug/l #	53
28) Bromochloromethane	7.70	49	958568	222.784	ug/l #	15
29) Tetrahydrofuran	7.52	42	223473	229.066	ug/l #	36
30) Chloroform	7.65	83	22972908	2493.230	ug/l #	26
31) Cyclohexane	7.82	56	5189769	535.774	ug/l #	1
32) 1,1,1-Trichloroethane	7.79	97	22506	2.828	ug/l #	1
36) 1,1-Dichloropropene	8.21	75	29561	2.543	ug/l #	42
37) Ethyl Acetate	7.18	43	10399299	2022.030	ug/l #	70
38) Carbon Tetrachloride	7.95	117	48048	4.107	ug/l #	17
39) Methylcyclohexane	9.54	83	11021162	721.713	ug/l #	1
41) Methacrylonitrile	7.52	41	2734262	897.874	ug/l #	48
42) 1,2-Dichloroethane	8.48	62	861236	92.132	ug/l #	1
43) Isopropyl Acetate	8.68	43	2644476	247.500	ug/l #	54
45) 1,2-Dichloropropane	9.34	63	1873661	232.961	ug/l #	1
46) Dibromomethane	9.43	93	429077	103.724	ug/l #	1
47) Bromodichloromethane	9.64	83	17189569	1571.018	ug/l #	50
48) Methyl methacrylate	9.62	41	22764042	4357.211	ug/l	92
49) 1,4-Dioxane	9.54	88	938	13.415	ug/l #	1
51) 4-Methyl-2-Pentanone	10.29	43	8711412	1650.324	ug/l #	71
53) t-1,3-Dichloropropene	10.76	75	159545	13.703	ug/l #	1

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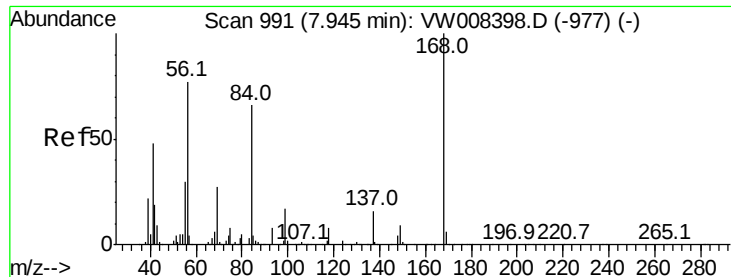
Instrument :
 MSVOA_W
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

54) cis-1,3-Dichloropropene	10.12	75	14859	1.125	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	2744946	478.393	ug/l #	22
56) Ethyl methacrylate	10.65	69	2084672	259.289	ug/l #	24
57) 1,3-Dichloropropane	10.94	76	15972	1.554	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.87	63	2949548	755.058	ug/l #	47
59) 2-Hexanone	10.94	43	2569051	689.404	ug/l #	26
60) Dibromochloromethane	11.07	129	412736	55.975	ug/l #	73
61) 1,2-Dibromoethane	11.23	107	211635	37.199	ug/l #	1
65) Chlorobenzene	11.57	112	1064119	45.146	ug/l #	60
67) Ethyl Benzene	11.71	91	2891516	66.737	ug/l #	47
68) m/p-Xylenes	11.83	106	3030247	180.258	ug/l #	10
70) Styrene	12.20	104	6612549	250.632	ug/l #	1
74) N-amyl acetate	12.26	43	617550	33.566	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.69	83	3376581	298.635	ug/l #	16
76) 1,2,3-Trichloropropane	12.82	75	2294048	275.439	ug/l #	1
77) Bromobenzene	12.75	156	65643	4.209	ug/l #	1
78) n-propylbenzene	12.66	91	743579	8.669	ug/l #	53
79) 2-Chlorotoluene	12.98	91	14410568	297.720	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.85	105	1307621	21.906	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.48	75	1398705	331.691	ug/l #	29
82) 4-Chlorotoluene	12.98	91	14410568	279.633	ug/l #	42
83) tert-Butylbenzene	13.13	119	5024899	94.596	ug/l #	25
84) 1,2,4-Trimethylbenzene	13.46	105	2080070	34.283	ug/l #	1
85) sec-Butylbenzene	13.46	105	2080070	27.419	ug/l #	1
86) p-Isopropyltoluene	13.51	119	17576886	264.510	ug/l #	88
89) n-Butylbenzene	13.90	91	3387171	51.914	ug/l #	1
90) Hexachloroethane	14.11	117	10280123	791.067	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.51	75	122588	57.142	ug/l #	5
95) Naphthalene	15.36	128	20737170	593.807	ug/l #	86

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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ClientSampleId :

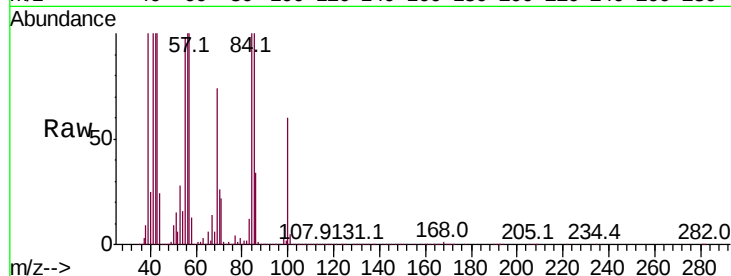
SB-08(14-17)

Tot Ion:168 Resp: 502402

Ion Ratio Lower Upper

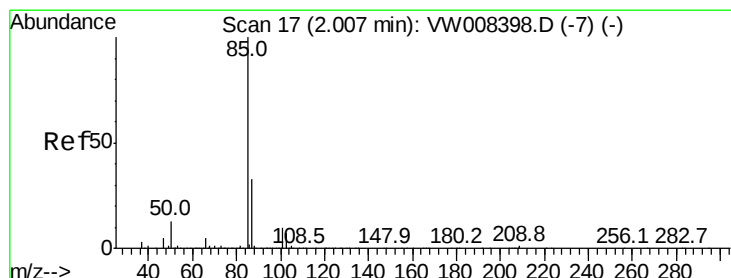
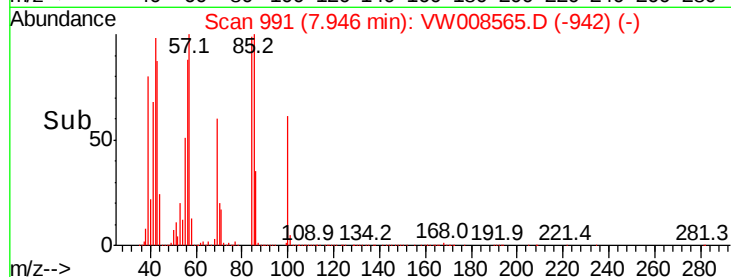
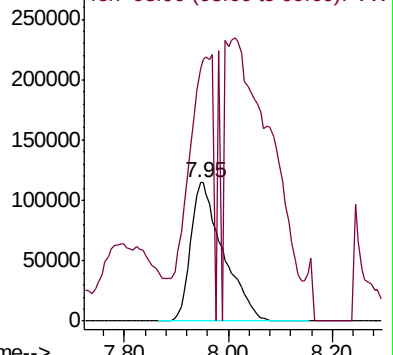
168 100

99 148.0 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.324 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW008565.D

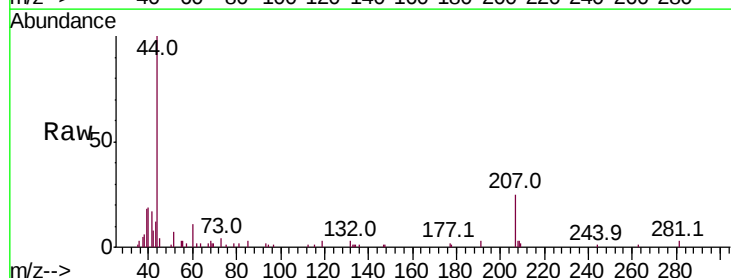
Acq: 07 Feb 2019 20:50

Tgt Ion: 85 Resp: 222

Ion Ratio Lower Upper

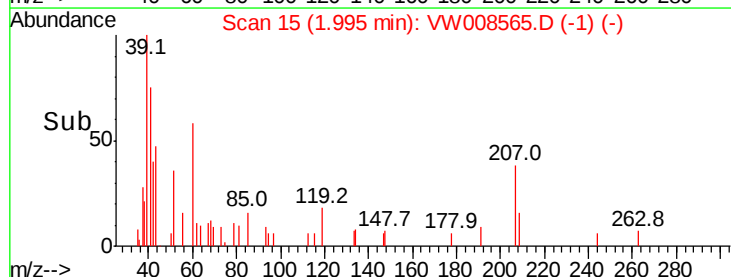
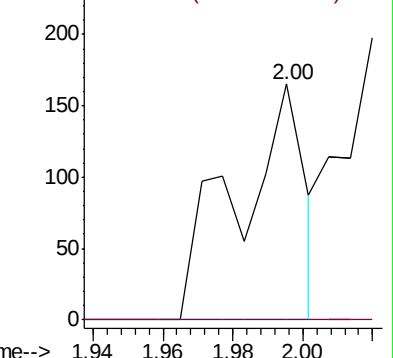
85 100

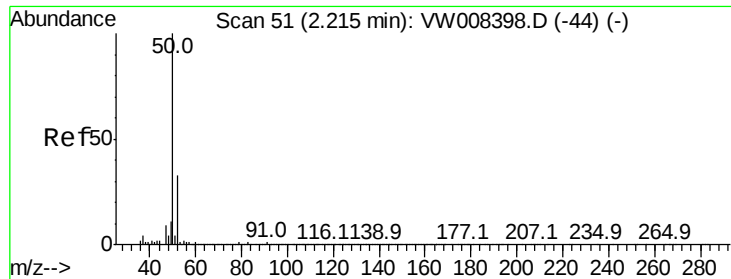
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 70.399 ug/l

RT: 2.17 min Scan# 44

Delta R.T. -0.04 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

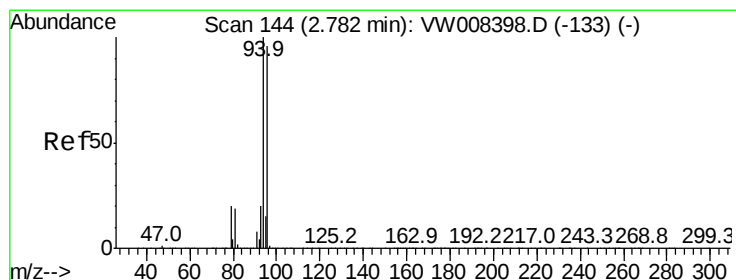
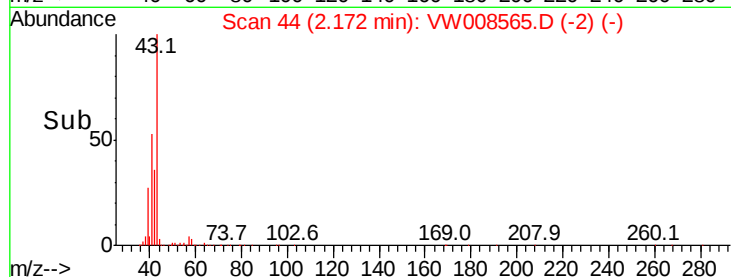
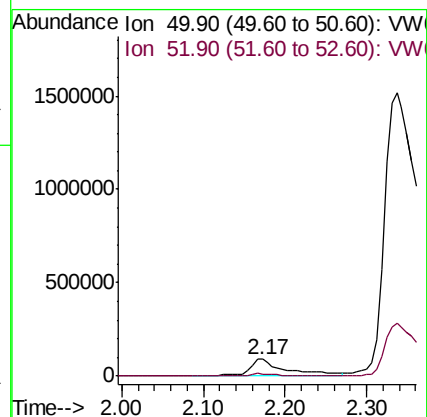
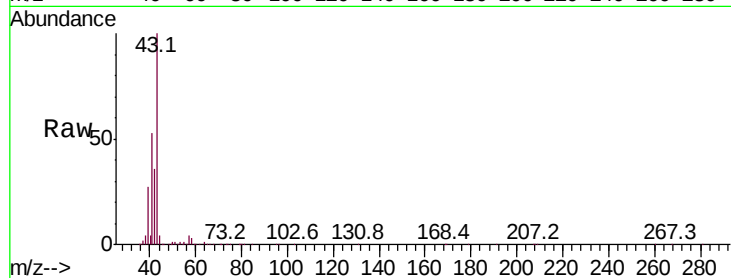
SB-08(14-17)

Tot Ion: 50 Resp: 288704

Ion Ratio Lower Upper

50 100

52 13.9 26.3 39.5#



#5

Bromomethane

Concen: 1.538 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.04 min

Lab File: VW008565.D

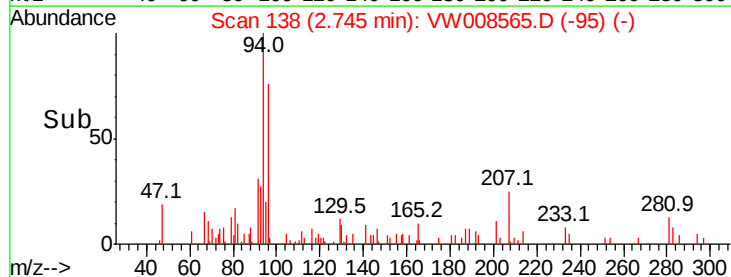
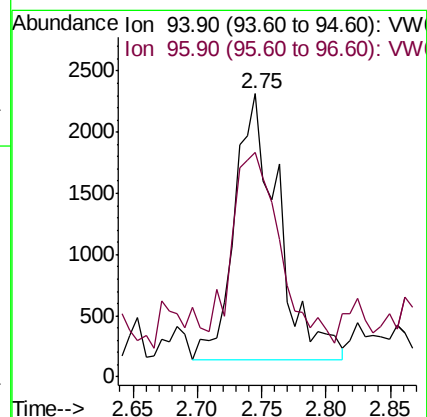
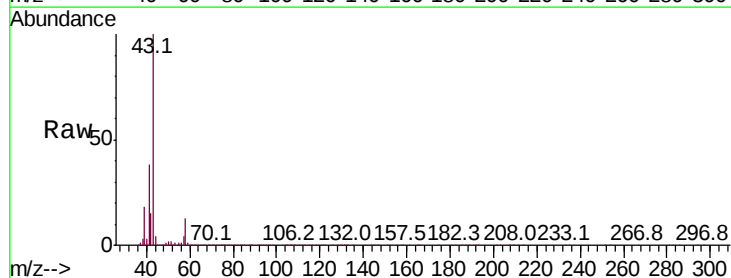
Acq: 07 Feb 2019 20:50

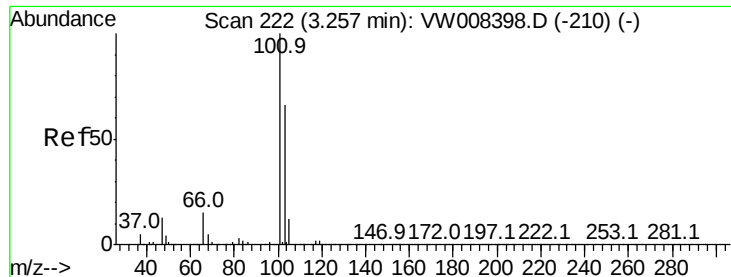
Tgt Ion: 94 Resp: 5180

Ion Ratio Lower Upper

94 100

96 60.9 77.2 115.8#



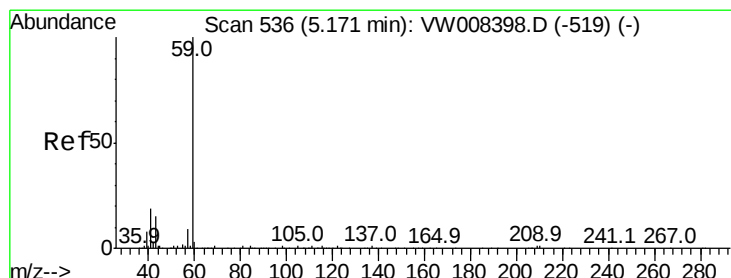
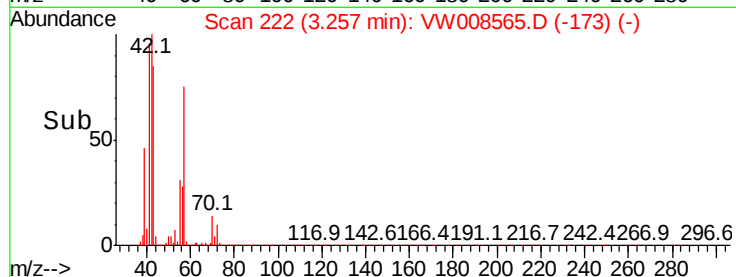
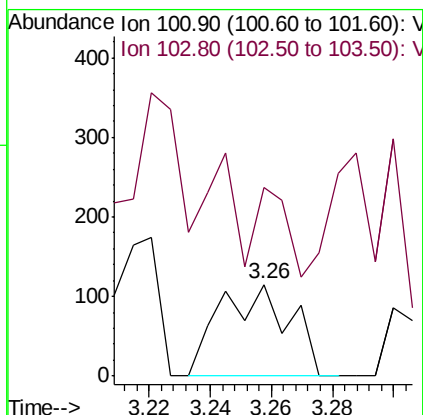
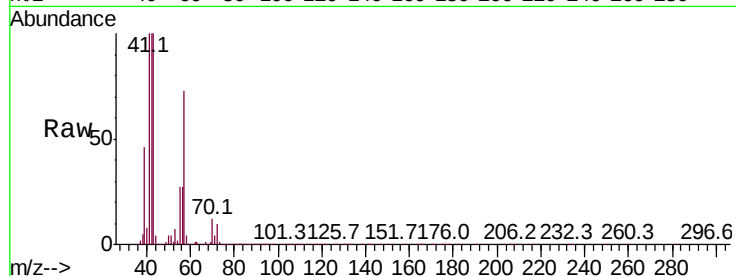


#7

Trichlorofluoromethane
Concen: 4.761 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

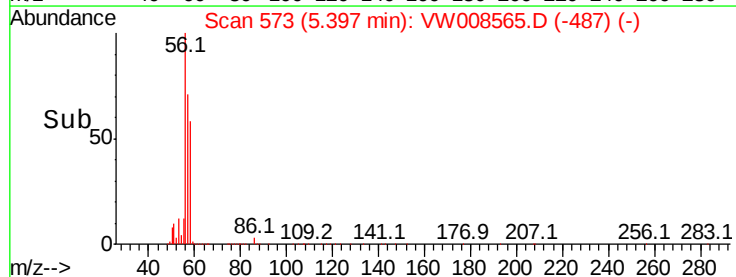
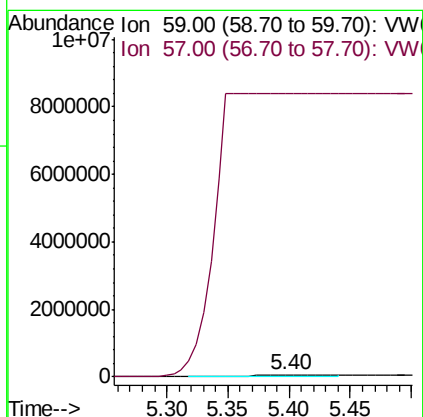
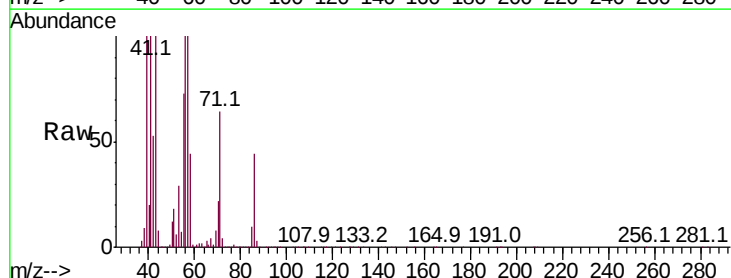
Tot Ion:101 Resp: 182
Ion Ratio Lower Upper
101 100
103 48.7 52.5 78.7#

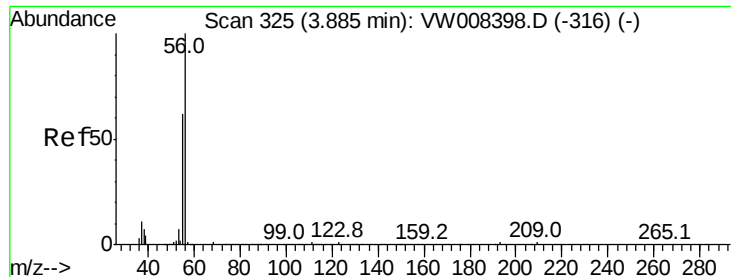


#11

Tert butyl alcohol
Concen: 758.679 ug/l
RT: 5.40 min Scan# 573
Delta R.T. 0.23 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 59 Resp: 301480
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#





#13

Acrolein

Concen: 17270.983 ug/l

RT: 3.81 min Scan# 312

Delta R.T. -0.08 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

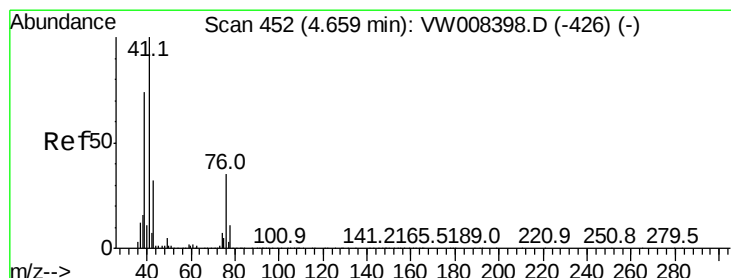
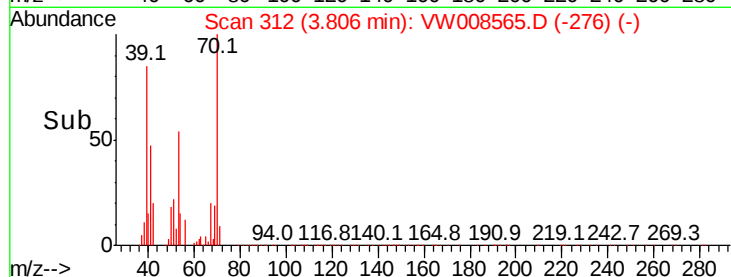
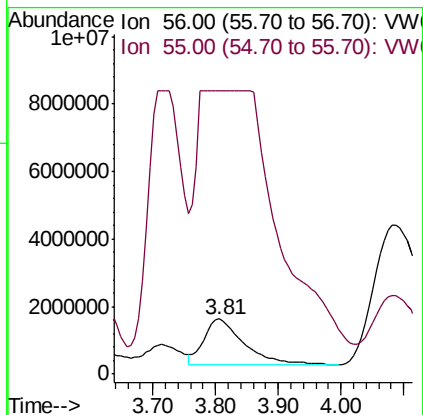
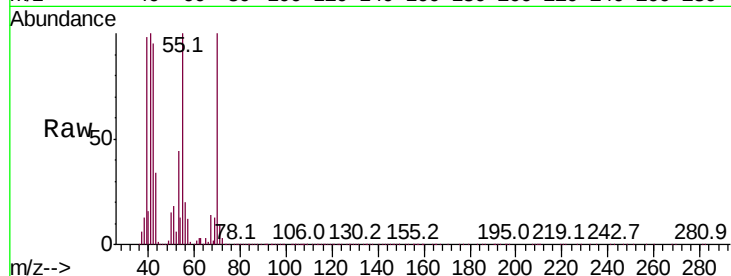
SB-08(14-17)

Tot Ion: 56 Resp: 6156778

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#14

Allyl chloride

Concen: 520.978 ug/l

RT: 4.72 min Scan# 462

Delta R.T. 0.06 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

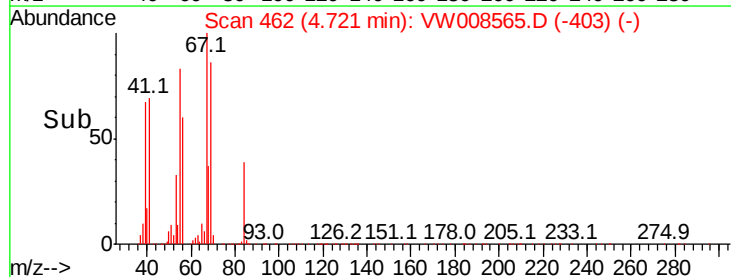
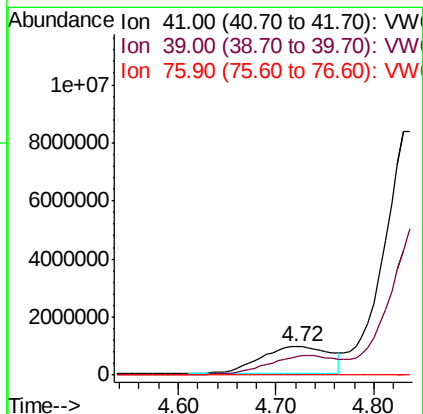
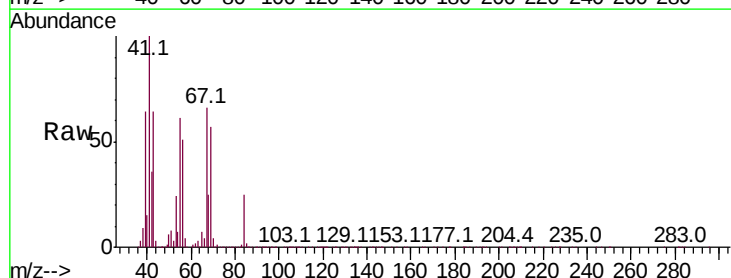
Tgt Ion: 41 Resp: 4549329

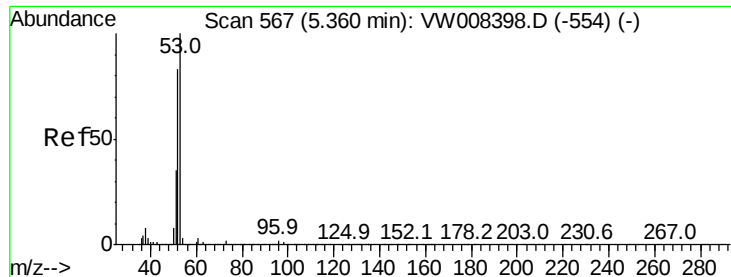
Ion Ratio Lower Upper

41 100

39 69.2 57.7 86.5

76 0.0 26.9 40.3#





#15

Acrylonitrile

Concen: 9552.195 ug/l

RT: 5.41 min Scan# 575

Delta R.T. 0.05 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

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SB-08(14-17)

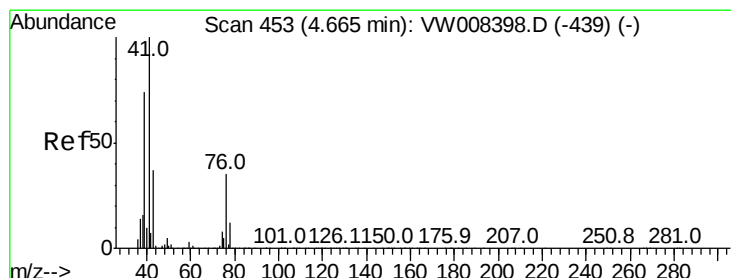
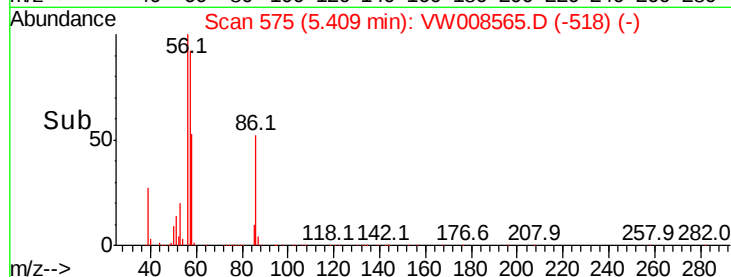
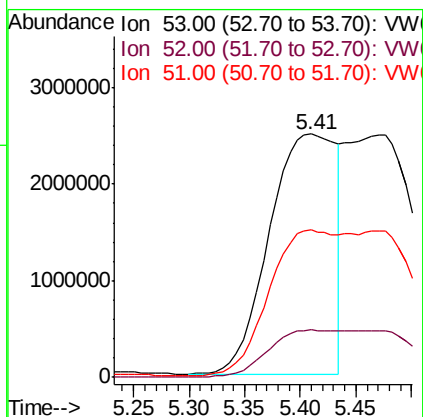
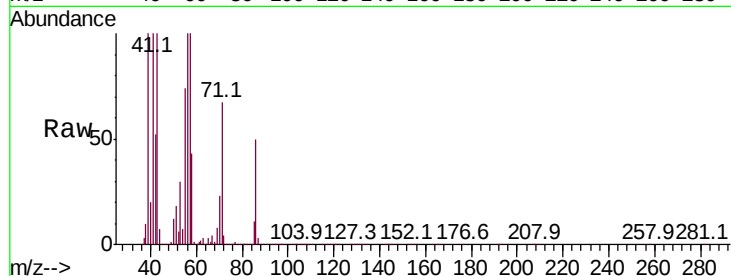
Tot Ion: 53 Resp:10334361

Ion Ratio Lower Upper

53 100

52 19.6 67.0 100.4#

51 60.4 29.8 44.8#



#18

Methyl Acetate

Concen: 925.568 ug/l

RT: 4.70 min Scan# 459

Delta R.T. 0.04 min

Lab File: VW008565.D

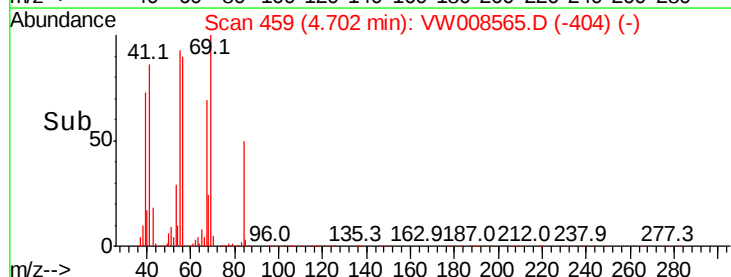
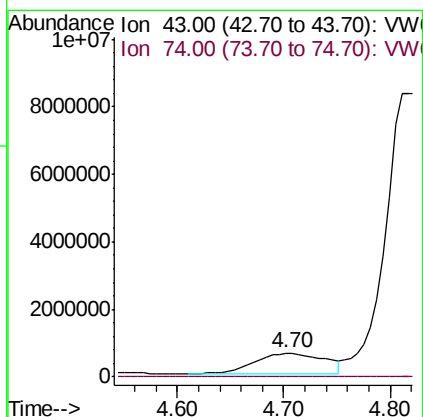
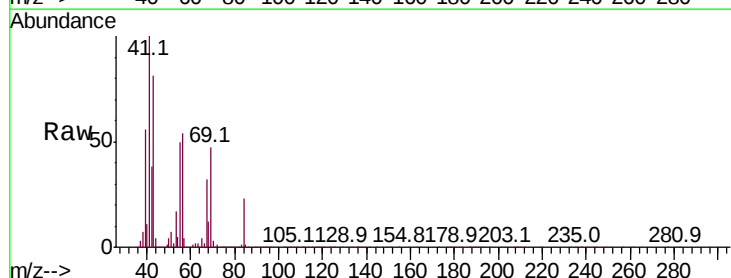
Acq: 07 Feb 2019 20:50

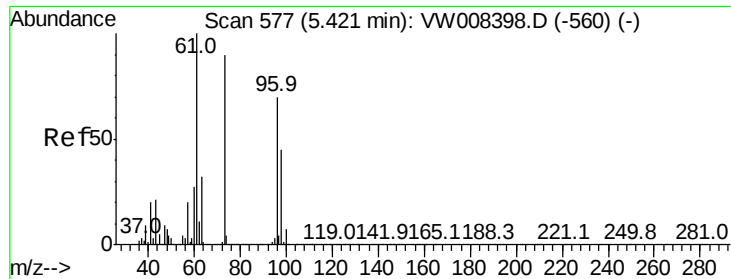
Tgt Ion: 43 Resp: 2736209

Ion Ratio Lower Upper

43 100

74 0.2 17.5 26.3#





#19

Methyl tert-butyl Ether

Concen: 9.144 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

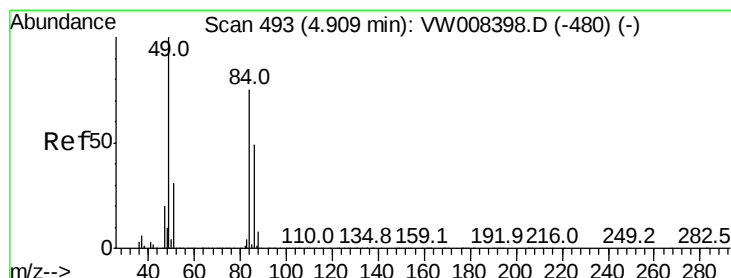
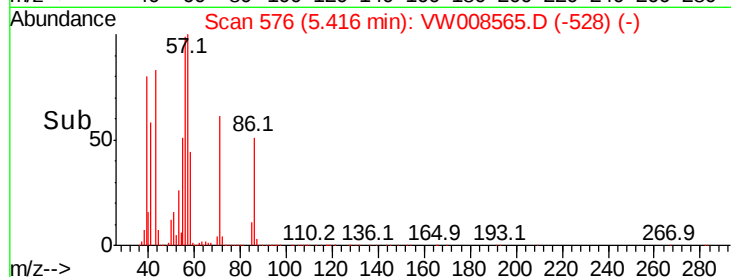
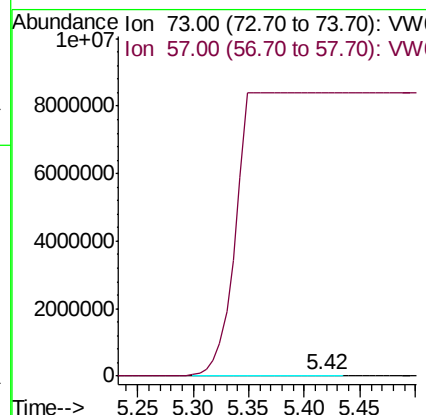
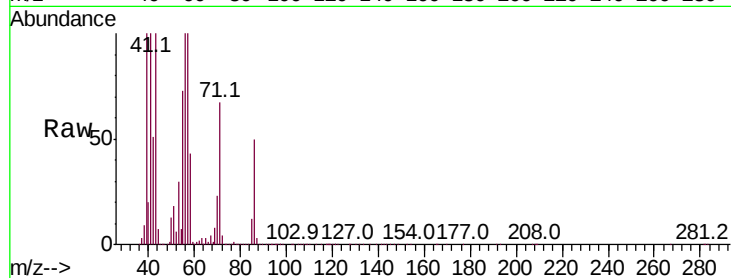
Lab File: VW008565.D

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Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

Tot Ion: 73 Resp: 69574

Ion	Ratio	Lower	Upper
73	100		
57	43730.9	18.0	27.0#



#20

Methylene Chloride

Concen: 2739.598 ug/l

RT: 5.05 min Scan# 516

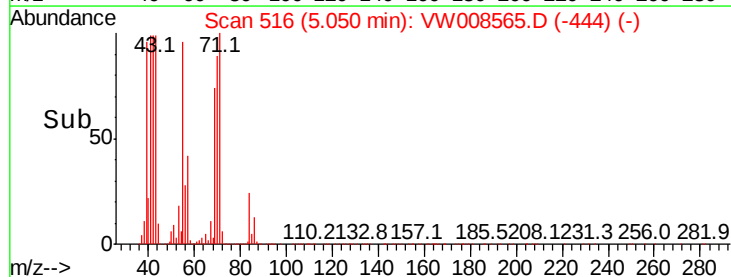
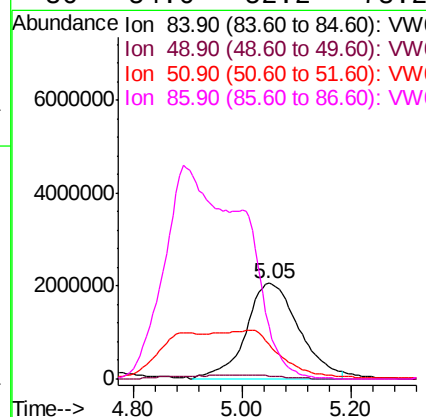
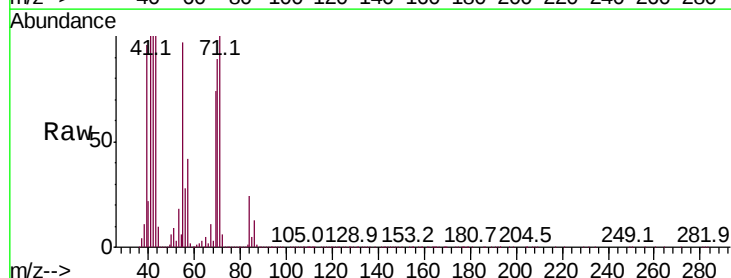
Delta R.T. 0.14 min

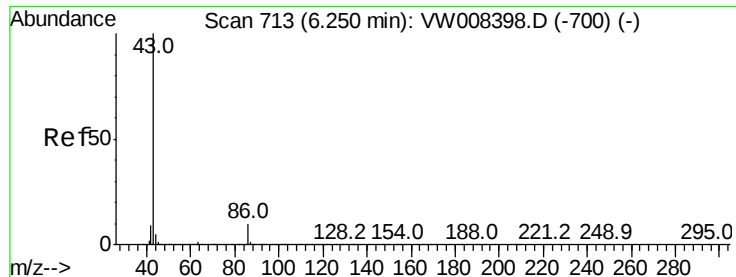
Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Tgt Ion: 84 Resp: 13995347

Ion	Ratio	Lower	Upper
84	100		
49	3.0	106.8	160.2#
51	33.2	32.9	49.3
86	54.6	52.2	78.2





#23

Vinyl Acetate

Concen: 1324.210 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

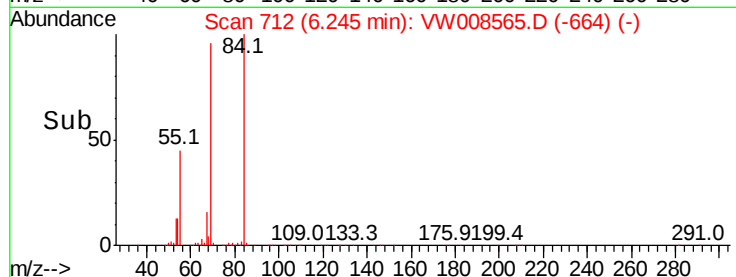
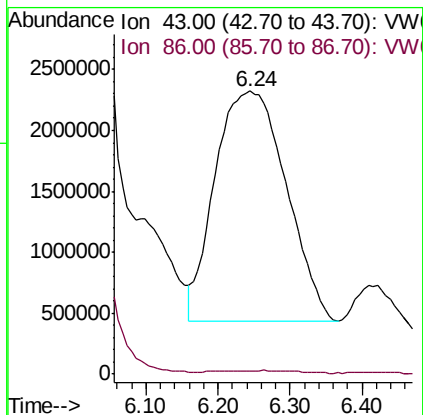
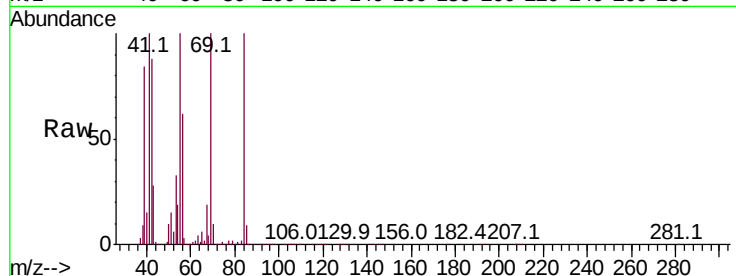
SB-08(14-17)

Tot Ion: 43 Resp:12940497

Ion Ratio Lower Upper

43 100

86 1.0 7.8 11.8#



#24

1,1-Dichloroethane

Concen: 239.841 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.06 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

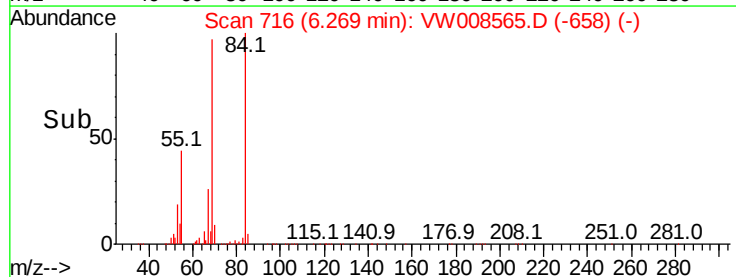
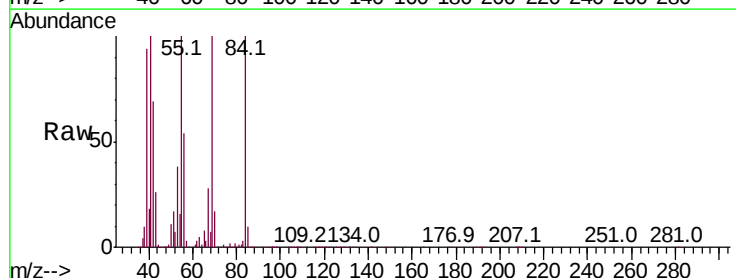
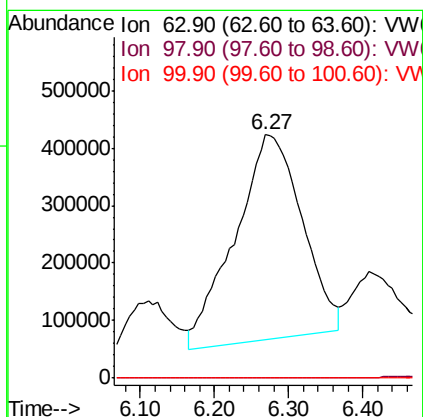
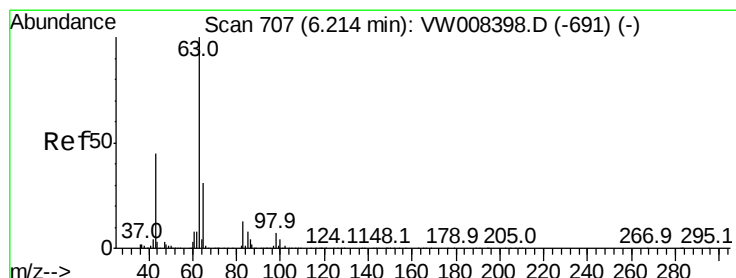
Tgt Ion: 63 Resp: 2246785

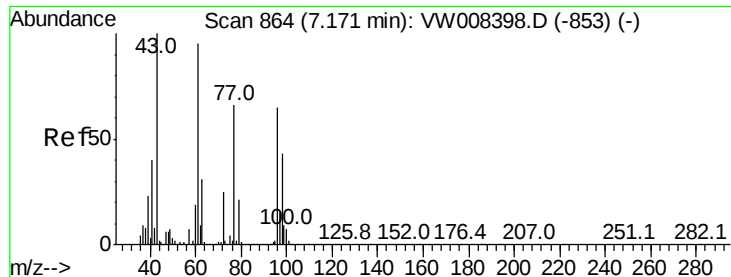
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.1 6.2#





#25

2-Butanone

Concen: 6754.971 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

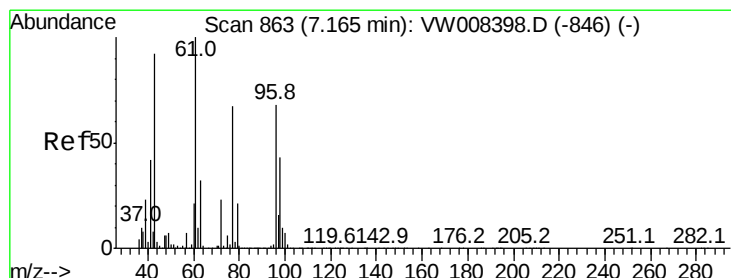
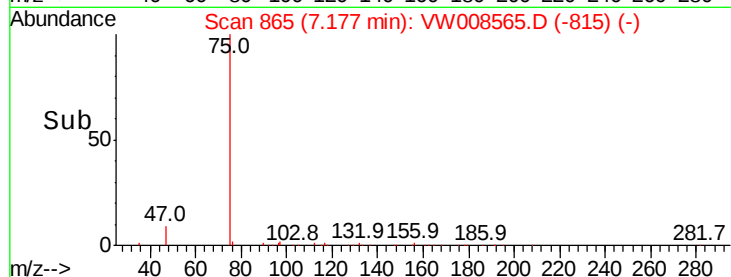
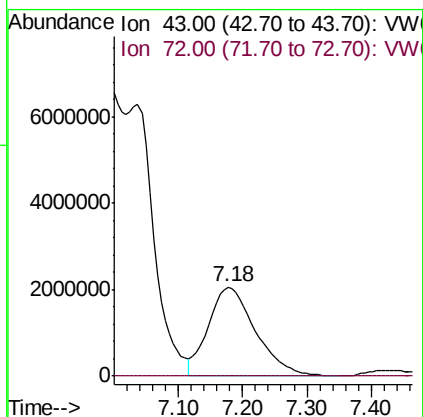
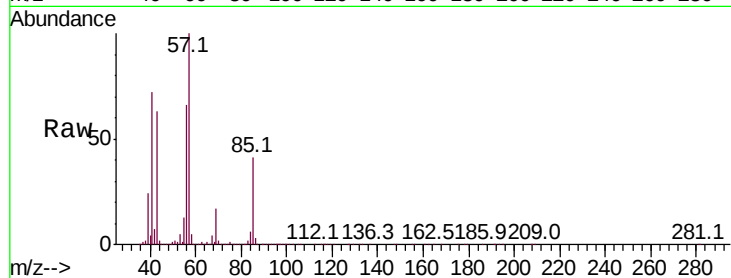
SB-08(14-17)

Tot Ion: 43 Resp:10399299

Ion Ratio Lower Upper

43 100

72 0.4 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 314.066 ug/l

RT: 6.99 min Scan# 835

Delta R.T. -0.17 min

Lab File: VW008565.D

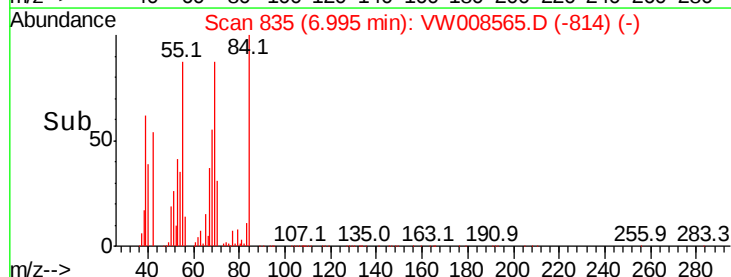
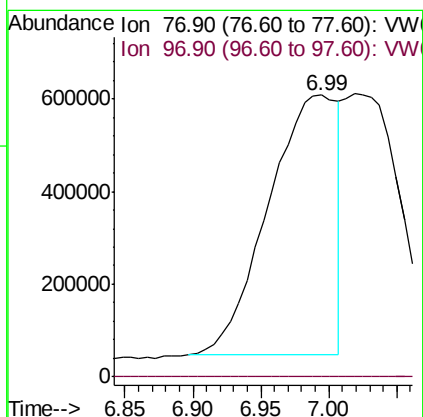
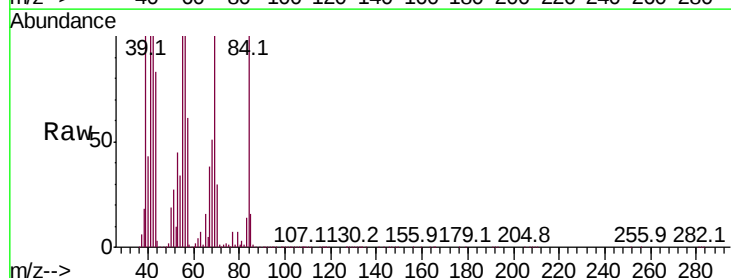
Acq: 07 Feb 2019 20:50

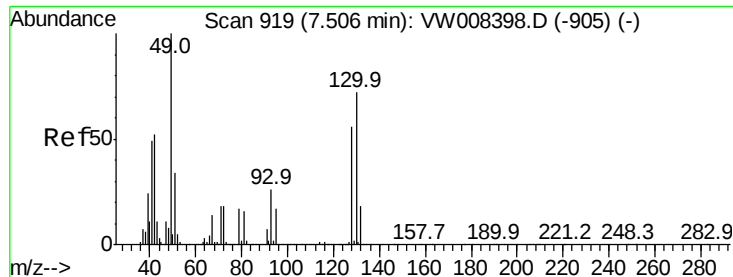
Tgt Ion: 77 Resp: 1988696

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#





#28

Bromochloromethane

Concen: 222.784 ug/l

RT: 7.70 min Scan# 950

Delta R.T. 0.19 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

SB-08(14-17)

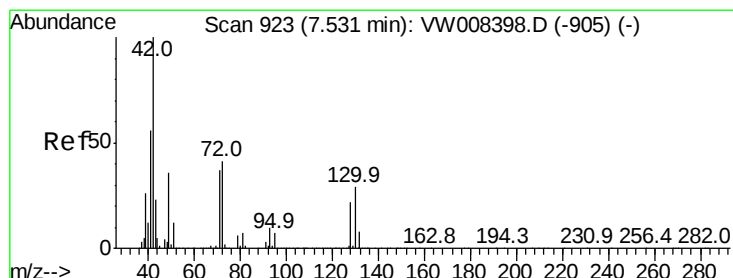
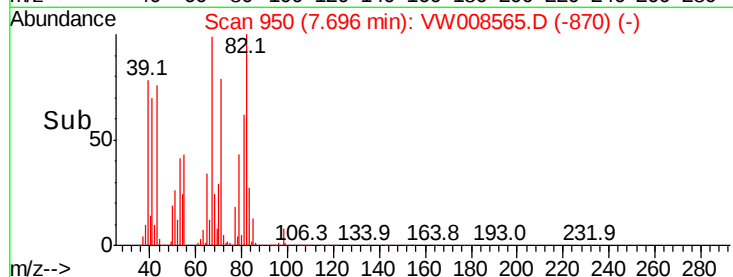
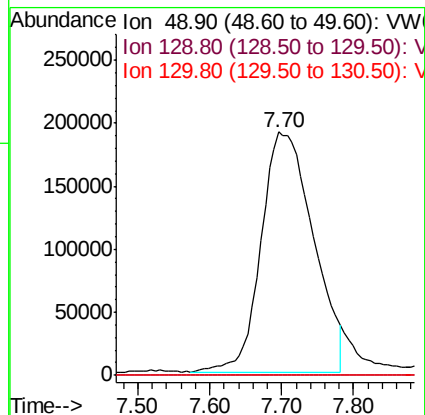
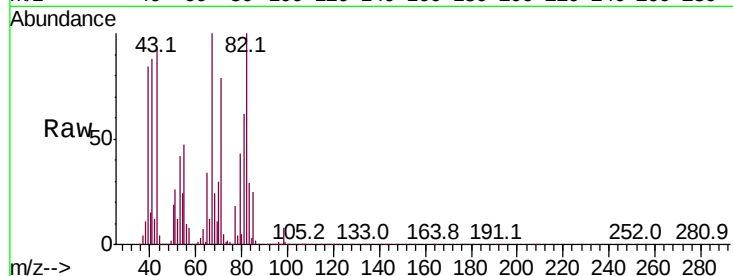
Tot Ion: 49 Resp: 958568

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 58.6 87.8#



#29

Tetrahydrofuran

Concen: 229.066 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

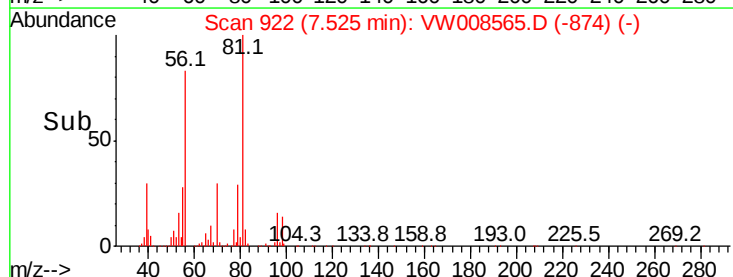
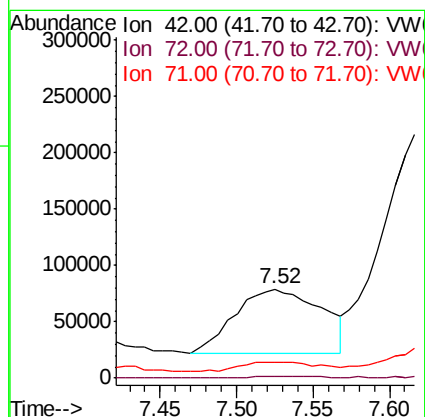
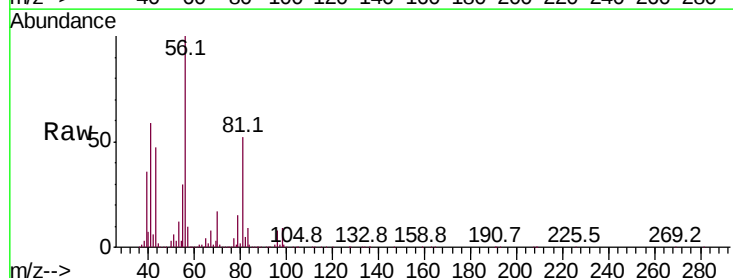
Tgt Ion: 42 Resp: 223473

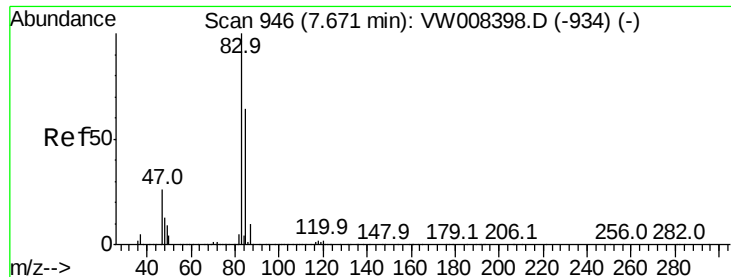
Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

71 0.0 29.9 44.9#

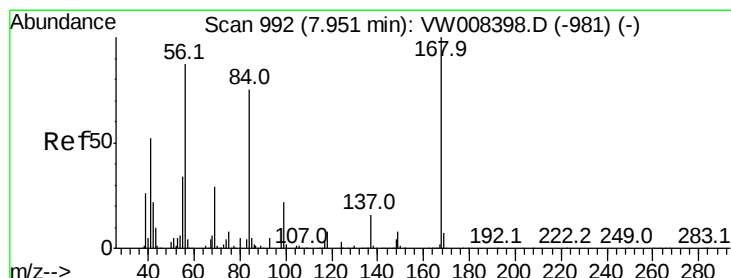
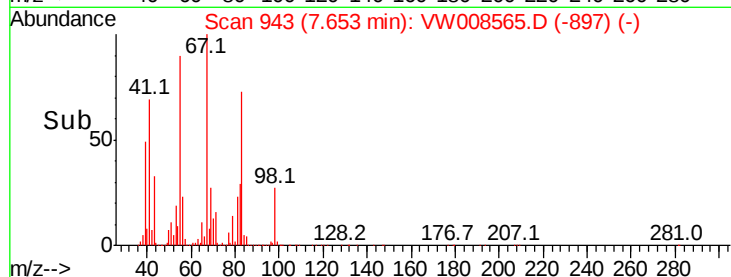
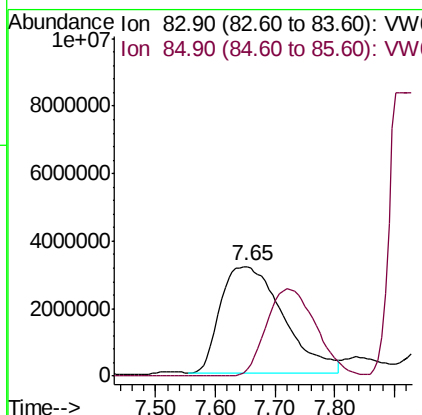
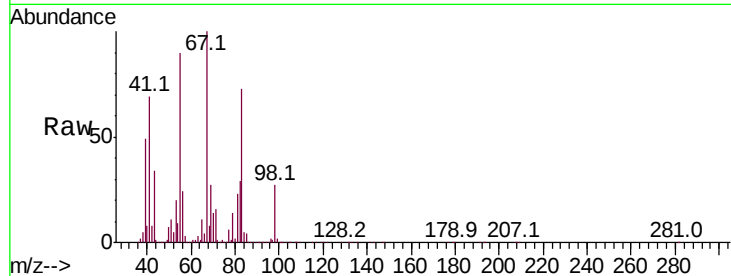




#30
Chloroform
Concen: 2493.230 ug/l
RT: 7.65 min Scan# 943
Delta R.T. -0.02 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

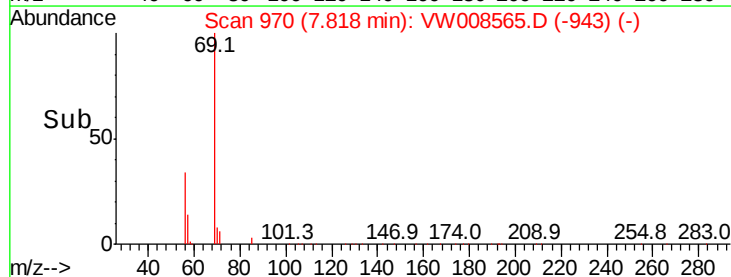
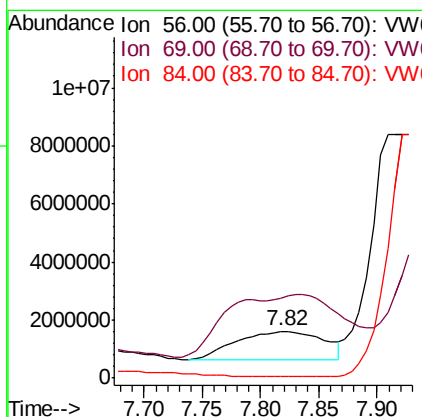
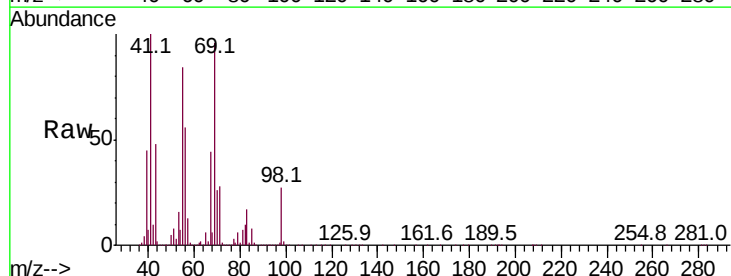
Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

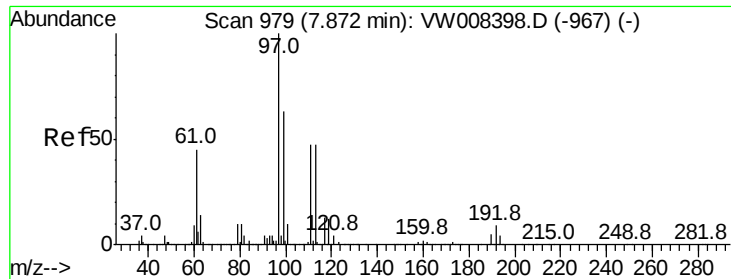
Tot Ion: 83 Resp: 22972908
Ion Ratio Lower Upper
83 100
85 6.2 50.9 76.3#



#31
Cyclohexane
Concen: 535.774 ug/l
RT: 7.82 min Scan# 970
Delta R.T. -0.13 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 56 Resp: 5189769
Ion Ratio Lower Upper
56 100
69 199.3 26.4 39.6#
84 0.0 69.1 103.7#





#32

1,1,1-Trichloroethane

Concen: 2.828 ug/l

RT: 7.79 min Scan# 966

Delta R.T. -0.08 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

SB-08(14-17)

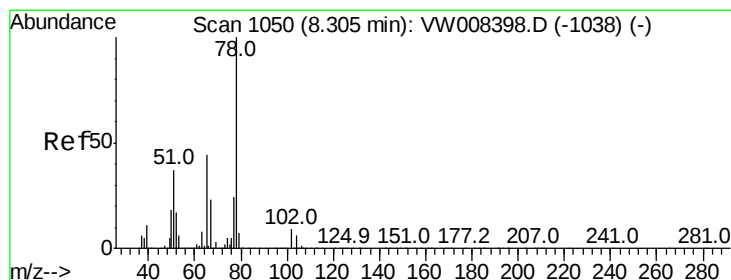
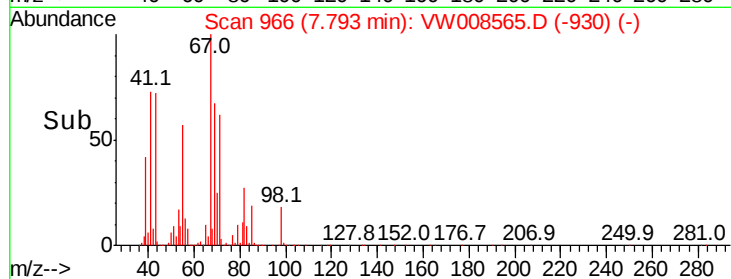
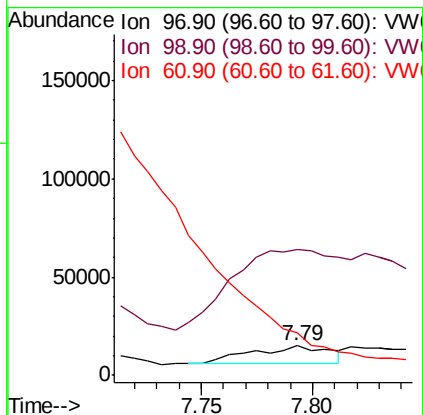
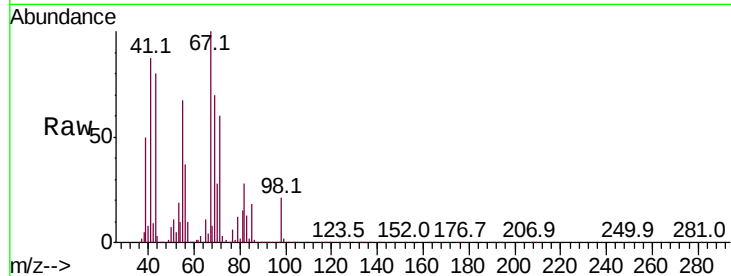
Tot Ion: 97 Resp: 22506

Ion Ratio Lower Upper

97 100

99 643.5 51.3 76.9#

61 0.0 36.2 54.4#



#33

1,2-Dichloroethane-d4

Concen: 118.886 ug/l

RT: 8.20 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VW008565.D

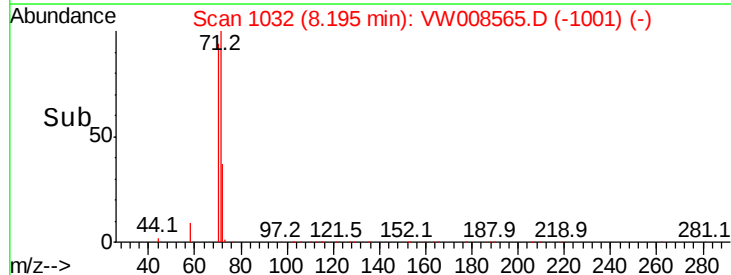
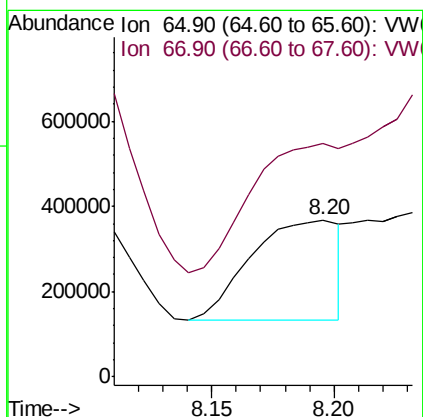
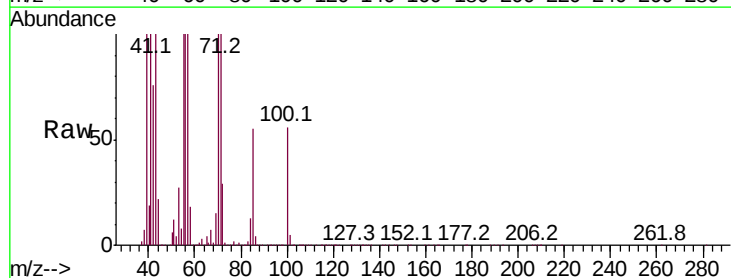
Acq: 07 Feb 2019 20:50

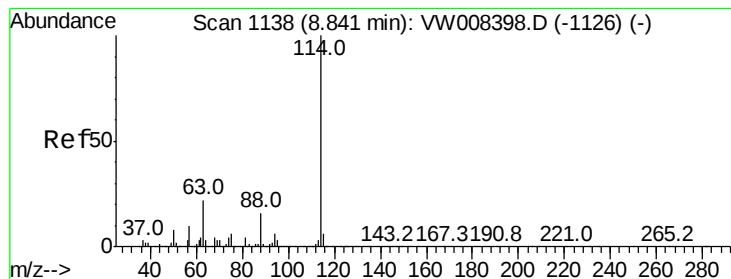
Tgt Ion: 65 Resp: 586778

Ion Ratio Lower Upper

65 100

67 0.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

SB-08(14-17)

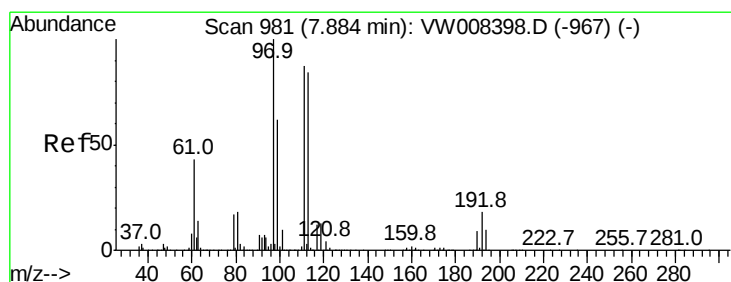
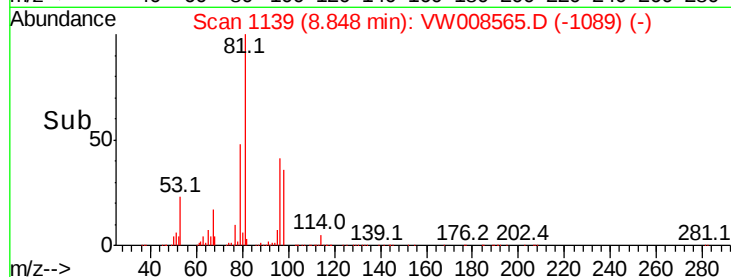
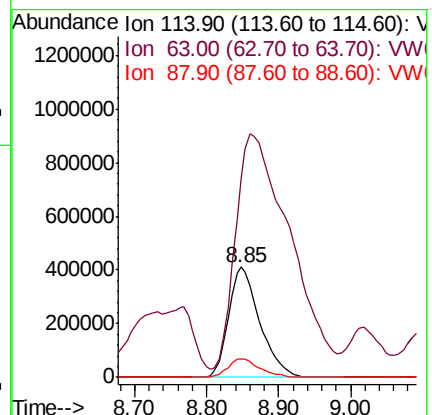
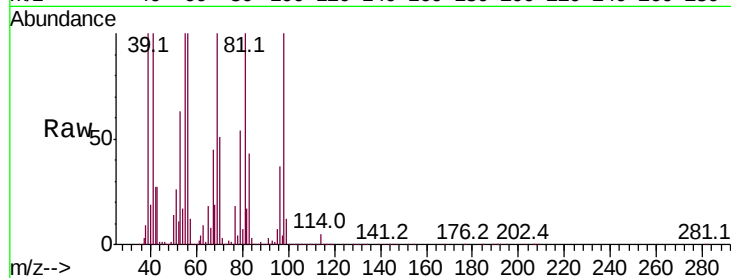
Tot Ion:114 Resp: 1230614

Ion Ratio Lower Upper

114 100

63 158.3 0.0 43.6#

88 16.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.129 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

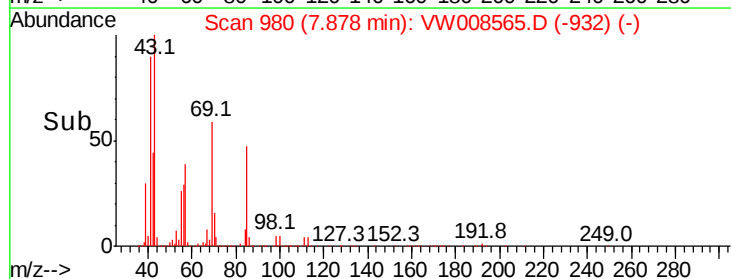
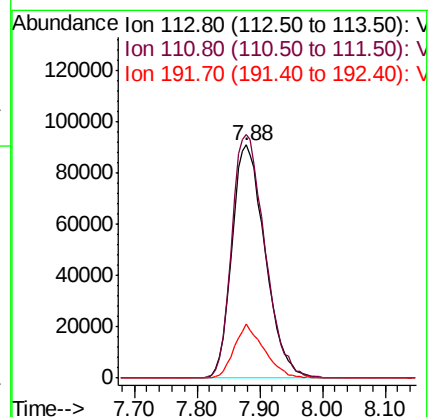
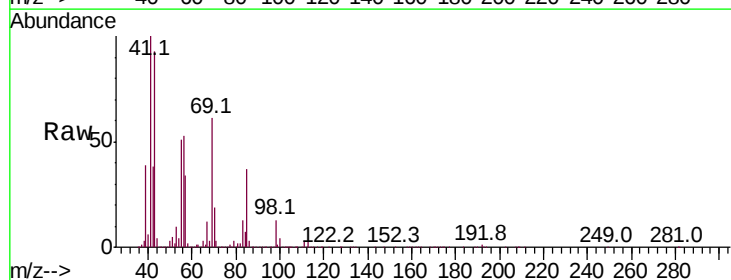
Tgt Ion:113 Resp: 331935

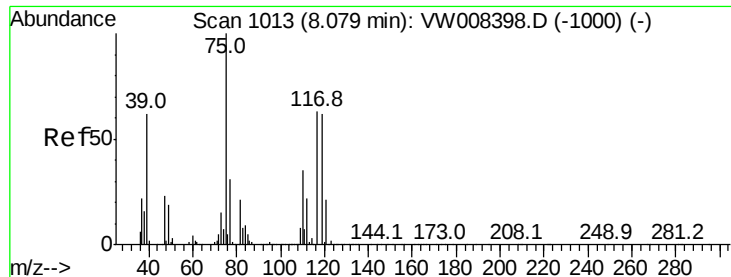
Ion Ratio Lower Upper

113 100

111 104.5 81.0 121.4

192 20.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 2.543 ug/l

RT: 8.21 min Scan# 1034

Delta R.T. 0.13 min

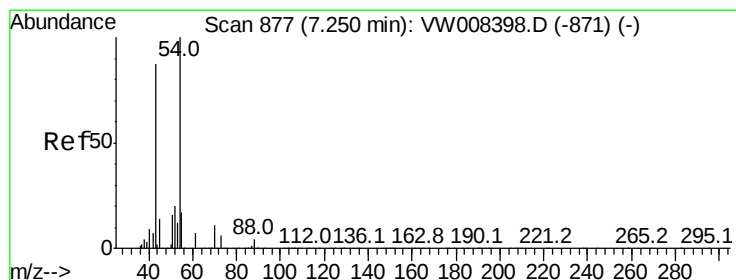
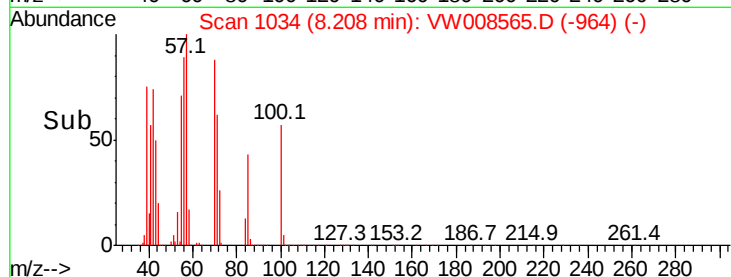
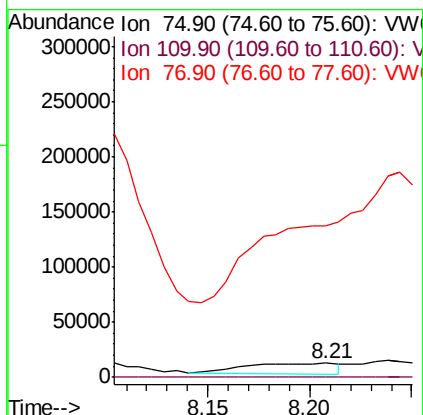
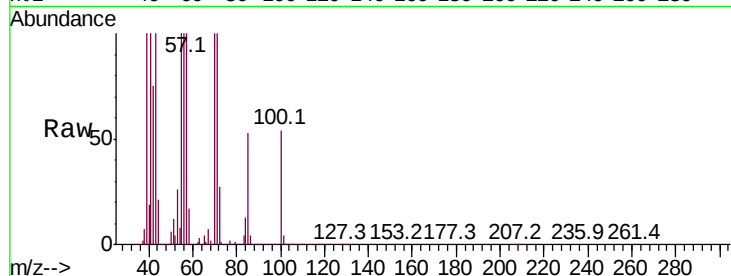
Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

Tot Ion: 75 Resp: 29561

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	52.0#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 2022.030 ug/l

RT: 7.18 min Scan# 865

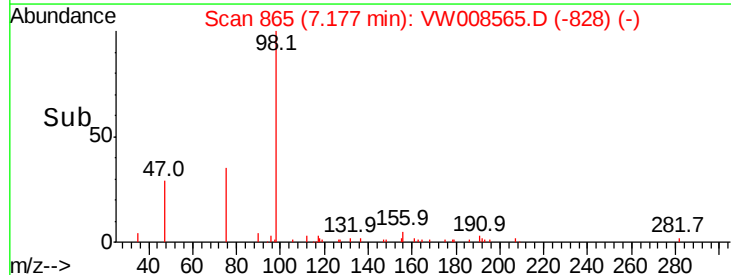
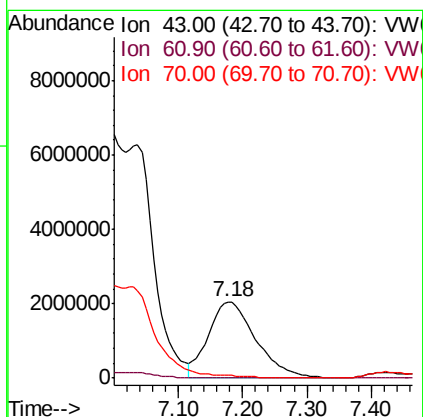
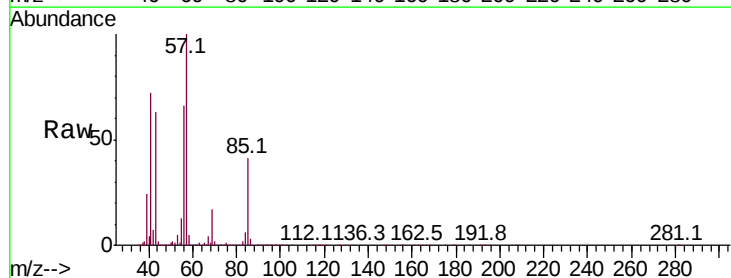
Delta R.T. -0.07 min

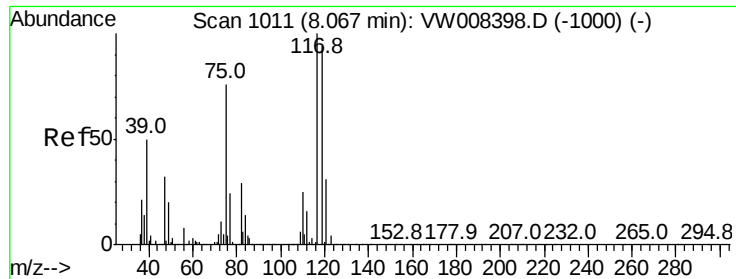
Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Tgt Ion: 43 Resp: 10399299

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.8	11.6#

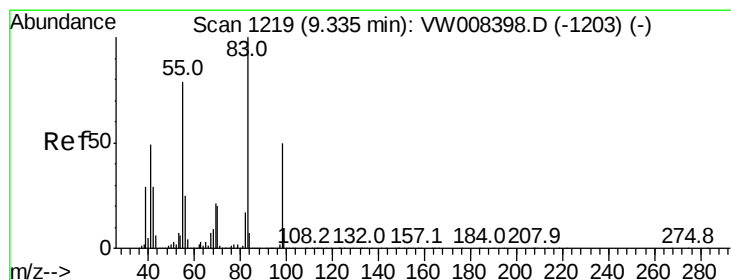
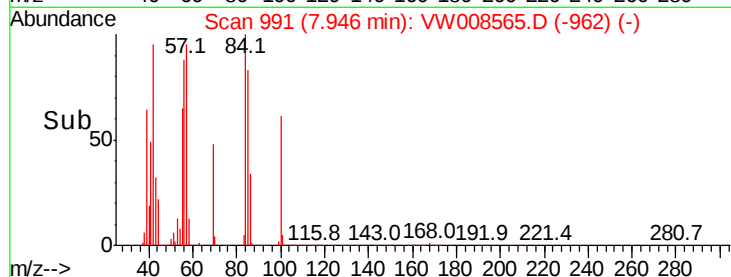
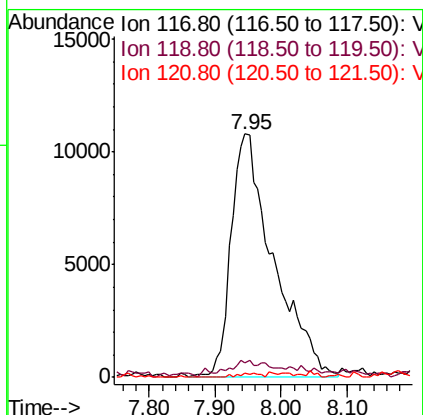
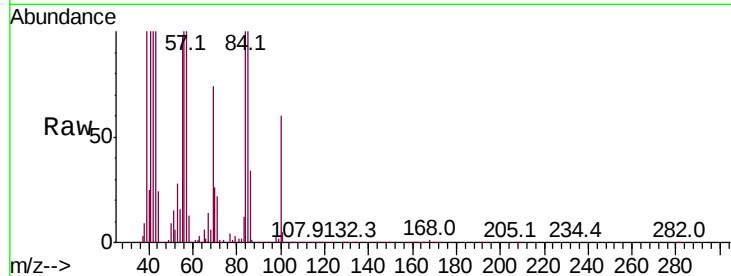




#38
Carbon Tetrachloride
Concen: 4.107 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

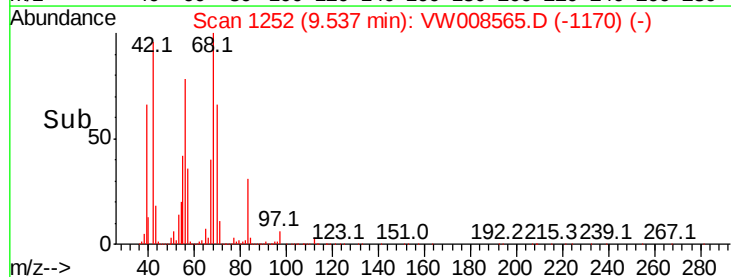
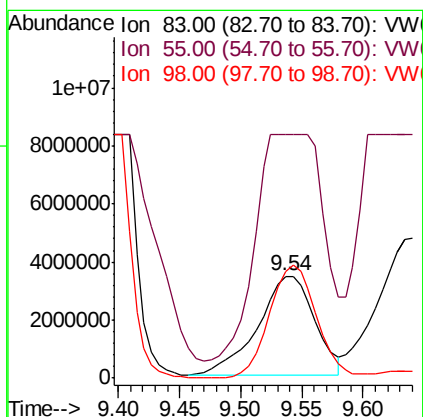
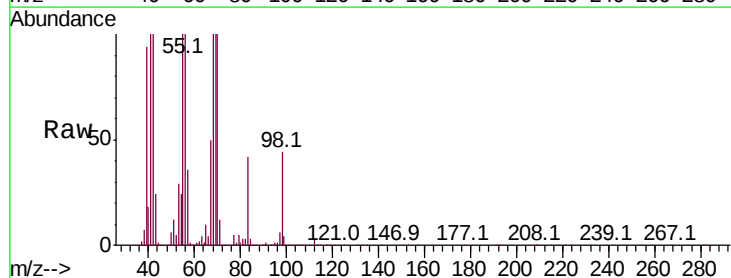
Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

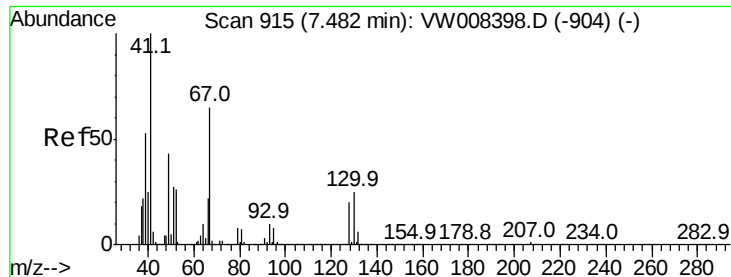
Tot Ion:117 Resp: 48048
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.4#
121 1.5 24.9 37.3#



#39
Methylcyclohexane
Concen: 721.713 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.20 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 83 Resp:11021162
Ion Ratio Lower Upper
83 100
55 216.1 63.3 94.9#
98 107.4 39.7 59.5#





#41

Methacrylonitrile

Concen: 897.874 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

SB-08(14-17)

Tot Ion: 41 Resp: 2734262

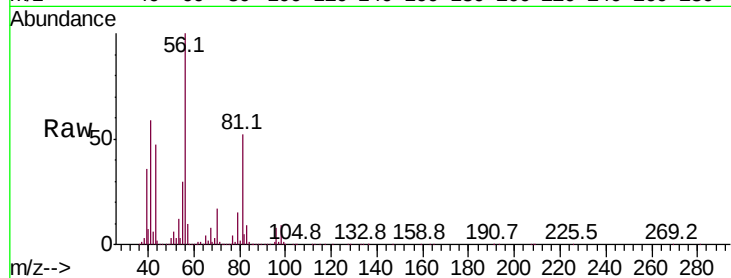
Ion Ratio Lower Upper

41 100

39 61.6 43.4 65.0

67 0.0 54.2 81.2#

52 0.0 22.9 34.3#

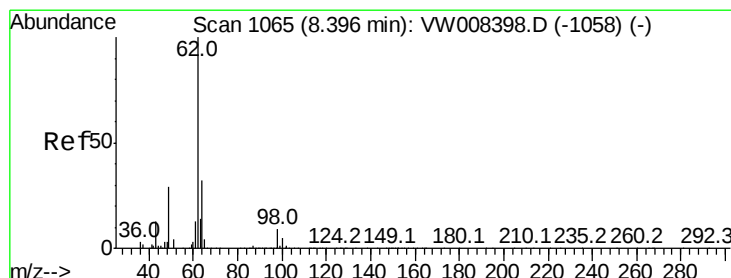
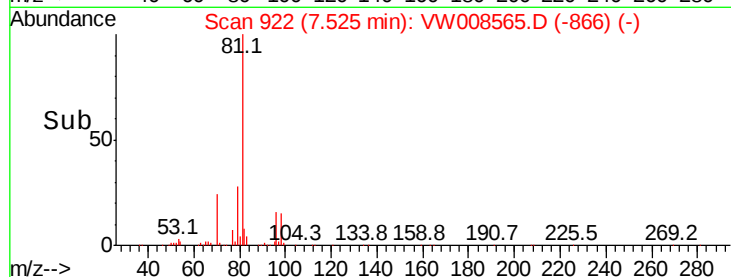
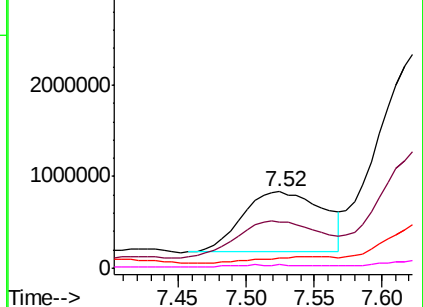


Abundance Ion 41.00 (40.70 to 41.70): VW

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



#42

1,2-Dichloroethane

Concen: 92.132 ug/l

RT: 8.48 min Scan# 1078

Delta R.T. 0.08 min

Lab File: VW008565.D

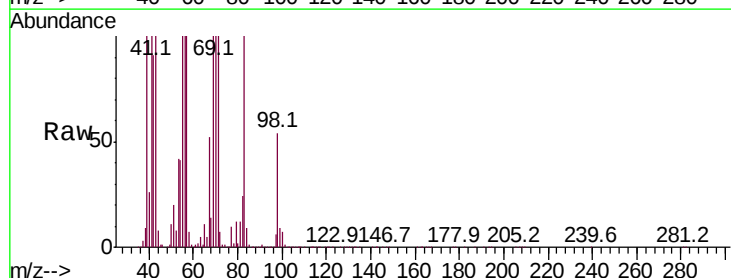
Acq: 07 Feb 2019 20:50

Tgt Ion: 62 Resp: 861236

Ion Ratio Lower Upper

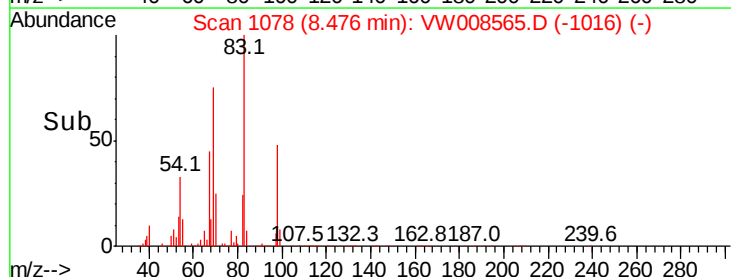
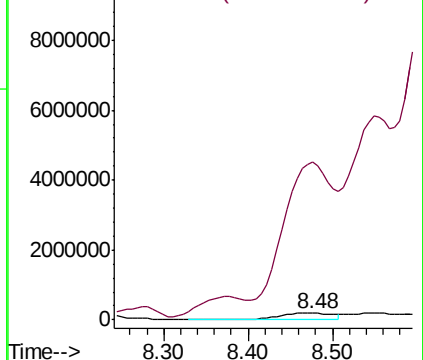
62 100

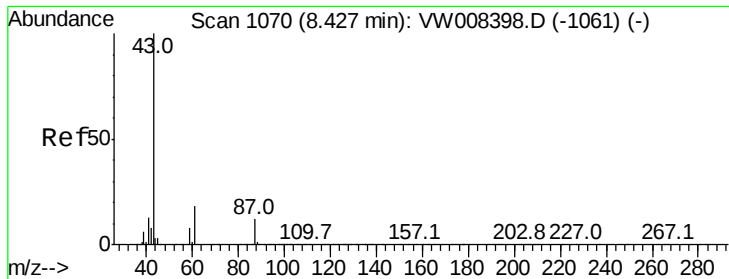
98 1824.2 0.0 18.6#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 247.500 ug/l

RT: 8.68 min Scan# 1112

Delta R.T. 0.26 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampled :

SB-08(14-17)

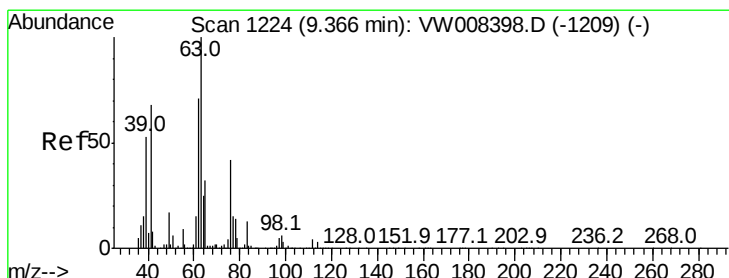
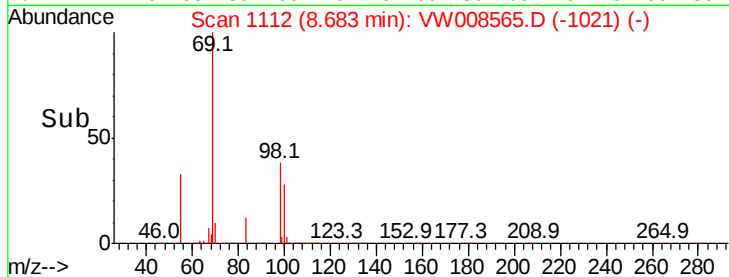
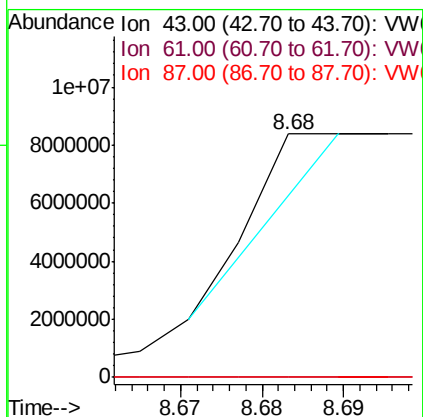
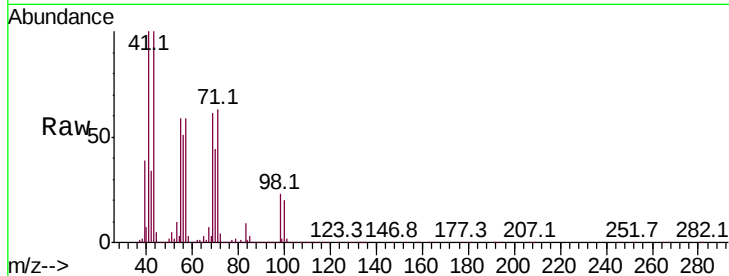
Tot Ion: 43 Resp: 2644476

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

87 0.0 9.3 13.9#



#45

1,2-Dichloropropane

Concen: 232.961 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.02 min

Lab File: VW008565.D

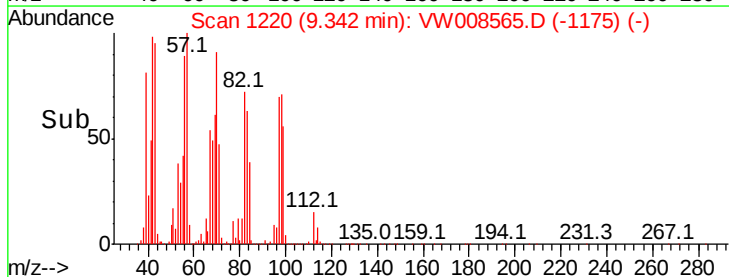
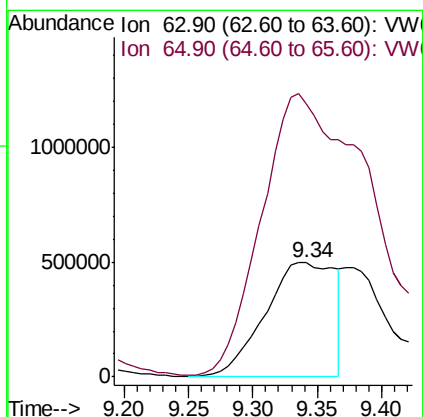
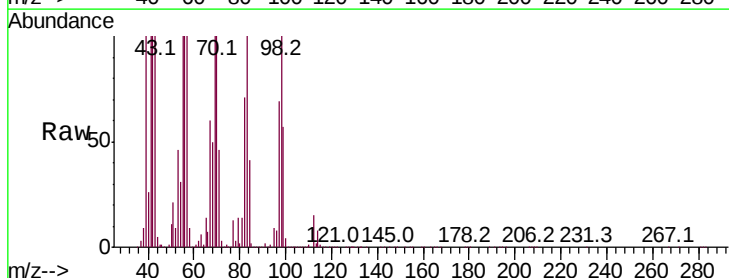
Acq: 07 Feb 2019 20:50

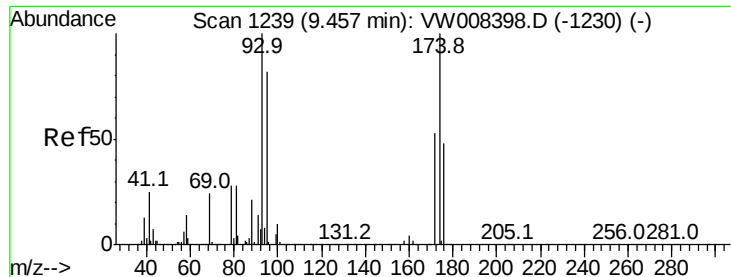
Tgt Ion: 63 Resp: 1873661

Ion Ratio Lower Upper

63 100

65 239.2 25.2 37.8#





#46

Dibromomethane

Concen: 103.724 ug/l

RT: 9.43 min Scan# 1234

Delta R.T. -0.03 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

SB-08(14-17)

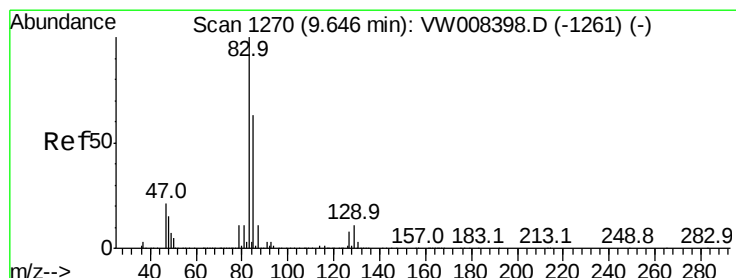
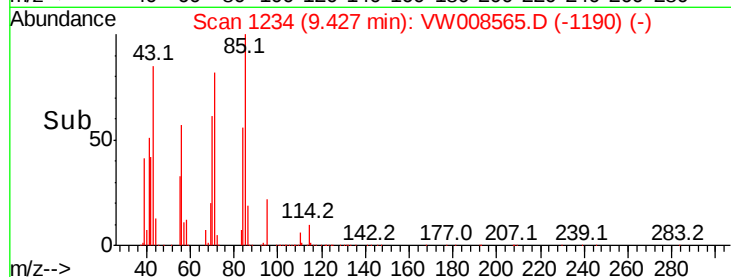
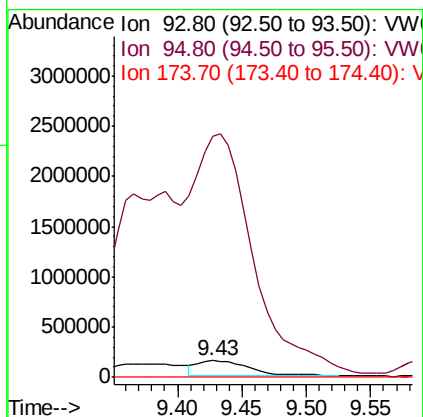
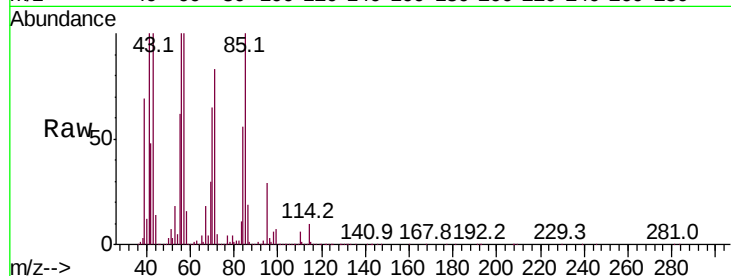
Tot Ion: 93 Resp: 429077

Ion Ratio Lower Upper

93 100

95 1681.2 65.9 98.9#

174 0.0 81.0 121.6#



#47

Bromodichloromethane

Concen: 1571.018 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

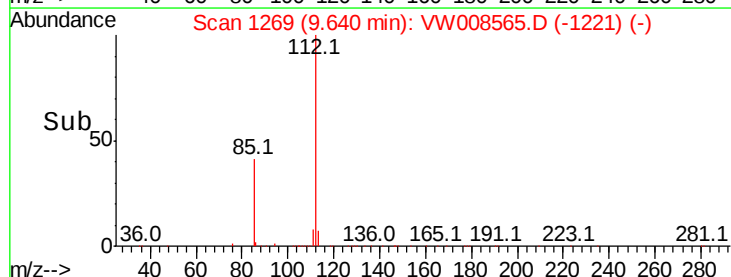
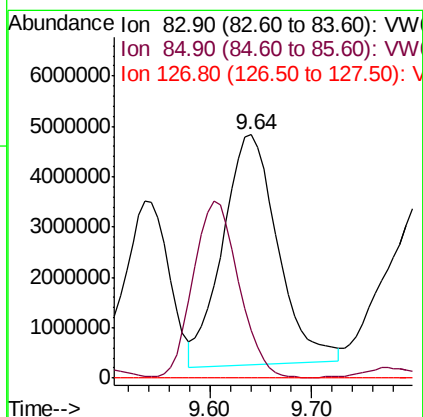
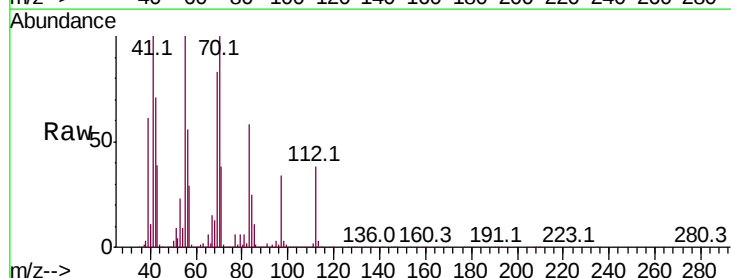
Tgt Ion: 83 Resp: 17189569

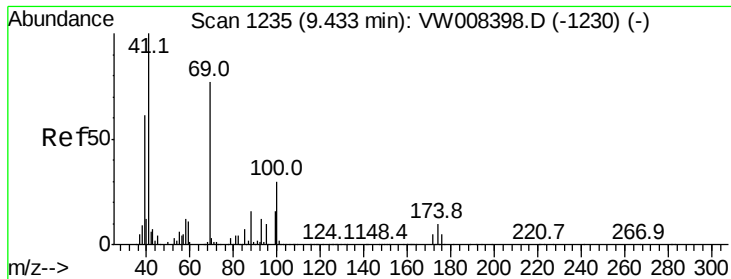
Ion Ratio Lower Upper

83 100

85 21.5 50.8 76.2#

127 0.0 6.8 10.2#

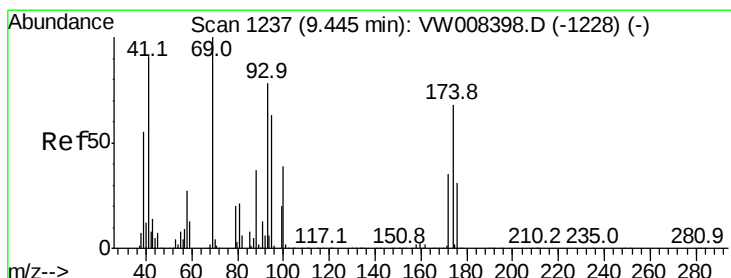
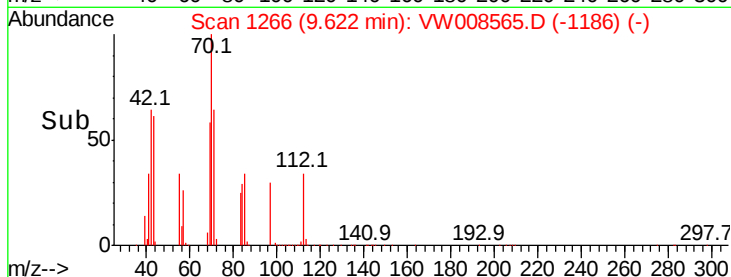
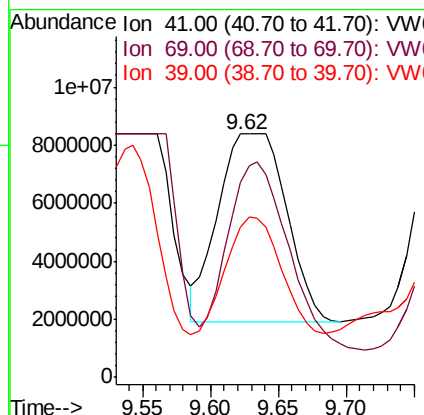
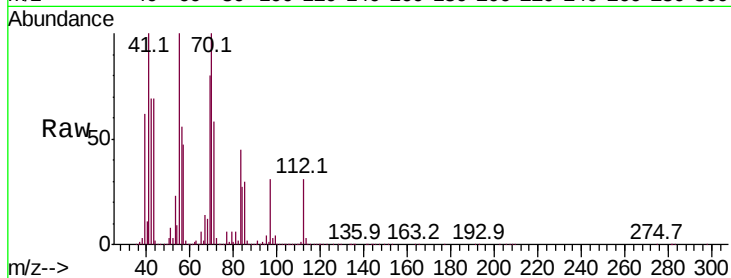




#48
Methyl methacrylate
Concen: 4357.211 ug/l
RT: 9.62 min Scan# 1266
Delta R.T. 0.19 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

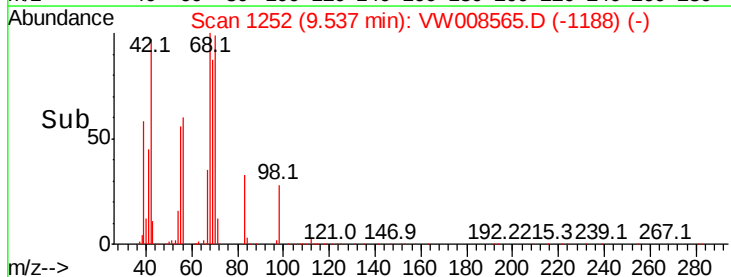
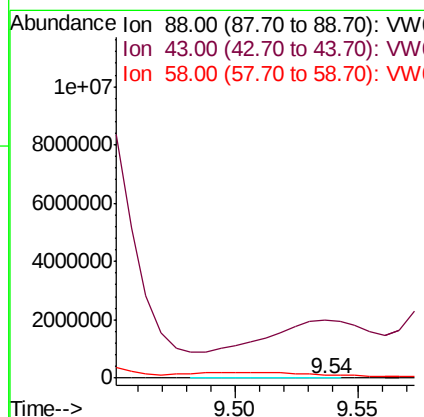
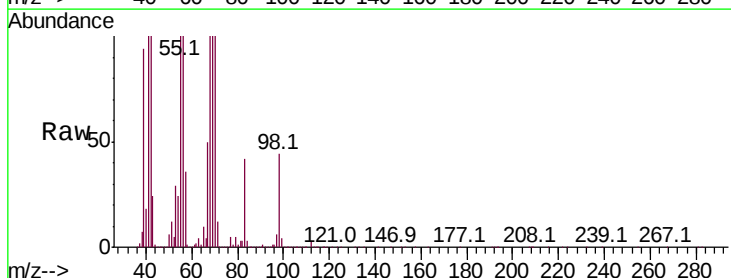
Instrument :
MSVOA_W
ClientSampled :
SB-08(14-17)

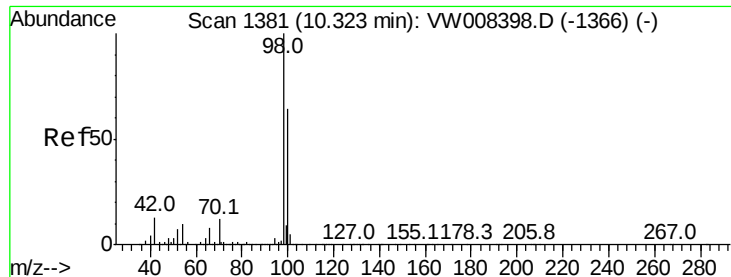
Tot Ion: 41 Resp: 22764042
Ion Ratio Lower Upper
41 100
69 89.1 64.8 97.2
39 55.8 49.1 73.7



#49
1,4-Dioxane
Concen: 13.415 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.09 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 88 Resp: 938
Ion Ratio Lower Upper
88 100
43 352960.2 29.0 43.4#
58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 425.727 ug/l

RT: 10.35 min Scan# 1386

Delta R.T. 0.03 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

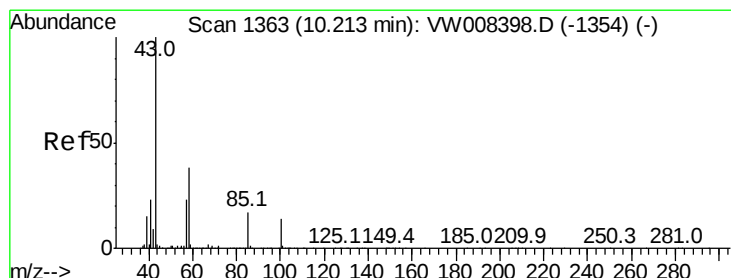
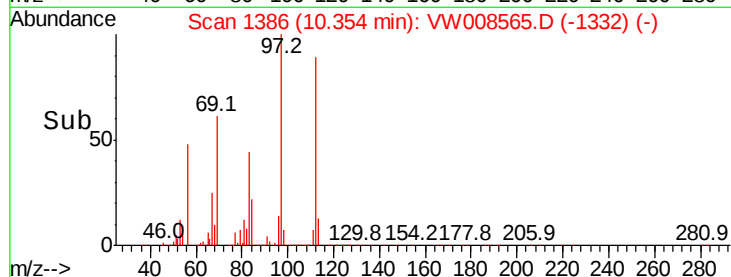
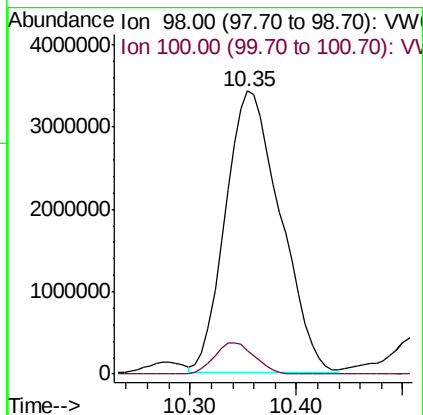
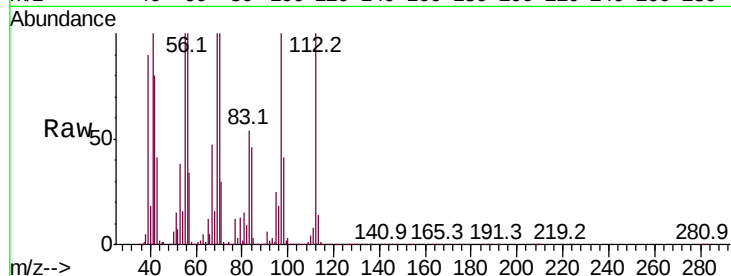
SB-08(14-17)

Tot Ion: 98 Resp:12284590

Ion Ratio Lower Upper

98 100

100 8.2 52.6 78.8#



#51

4-Methyl-2-Pentanone

Concen: 1650.324 ug/l

RT: 10.29 min Scan# 1375

Delta R.T. 0.07 min

Lab File: VW008565.D

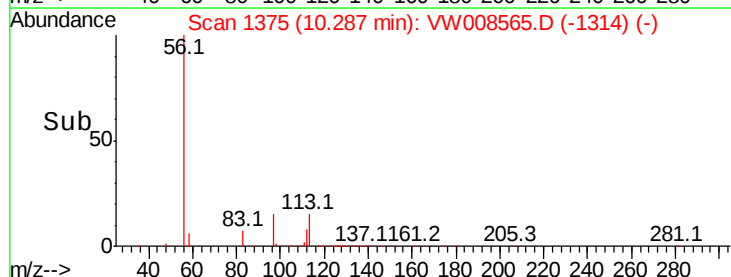
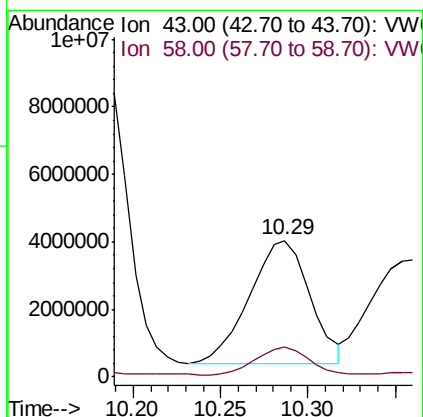
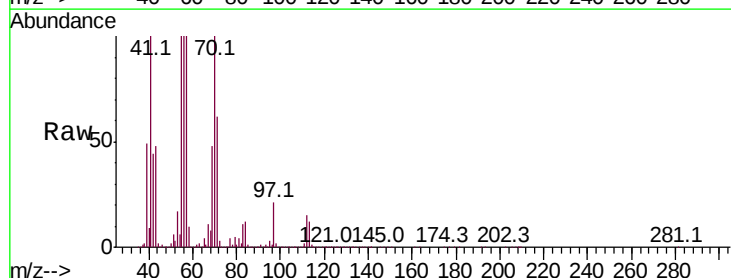
Acq: 07 Feb 2019 20:50

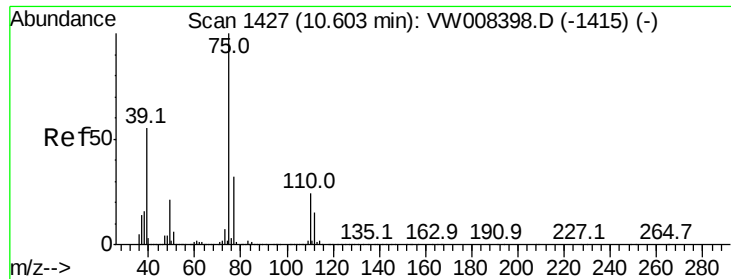
Tgt Ion: 43 Resp: 8711412

Ion Ratio Lower Upper

43 100

58 19.7 29.7 44.5#





#53

t-1,3-Dichloropropene

Concen: 13.703 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. 0.16 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

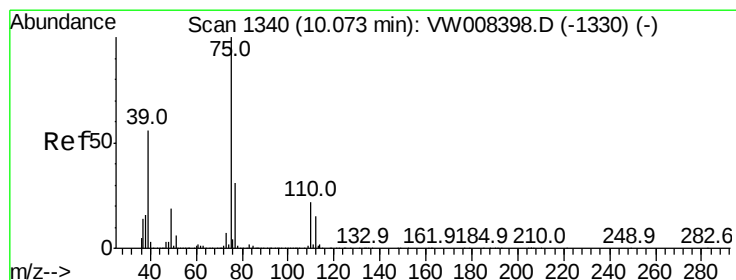
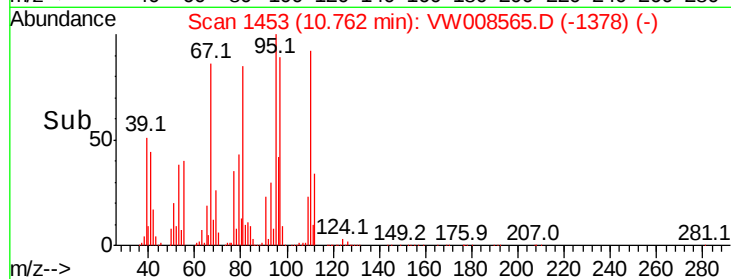
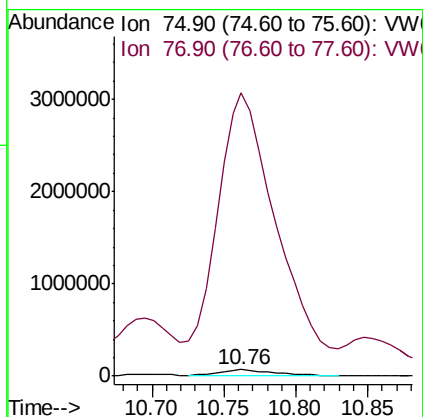
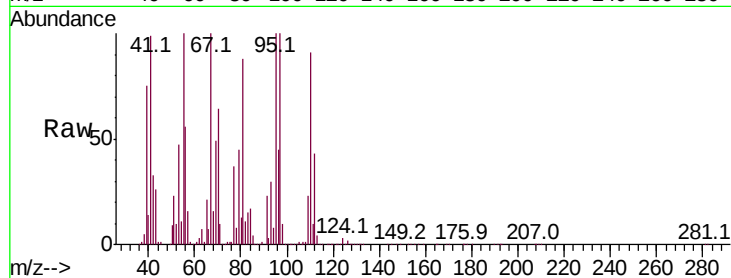
SB-08(14-17)

Tot Ion: 75 Resp: 159545

Ion Ratio Lower Upper

75 100

77 4454.6 25.3 37.9#



#54

cis-1,3-Dichloropropene

Concen: 1.125 ug/l

RT: 10.12 min Scan# 1347

Delta R.T. 0.04 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

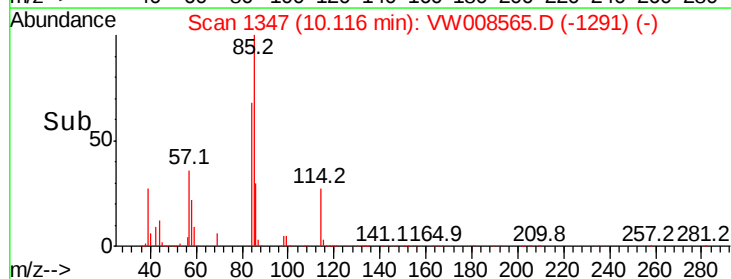
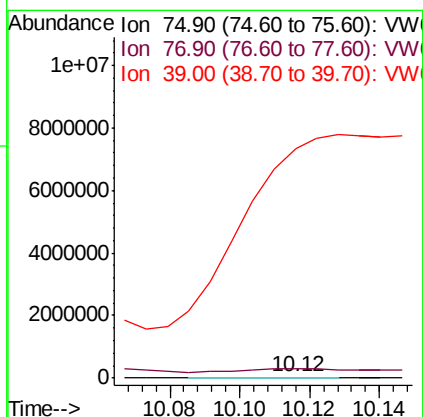
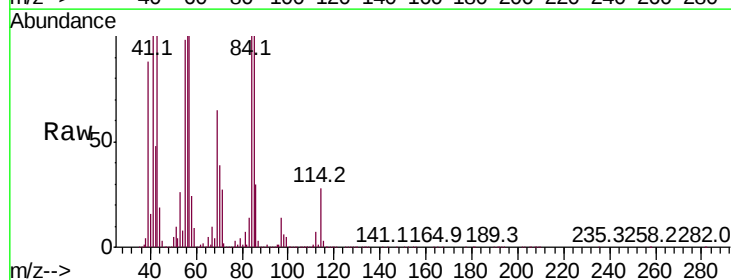
Tgt Ion: 75 Resp: 14859

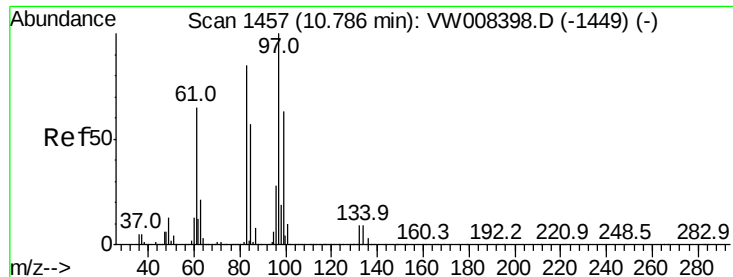
Ion Ratio Lower Upper

75 100

77 1203.9 25.0 37.4#

39 62729.1 44.9 67.3#





#55

1,1,2-Trichloroethane

Concen: 478.393 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

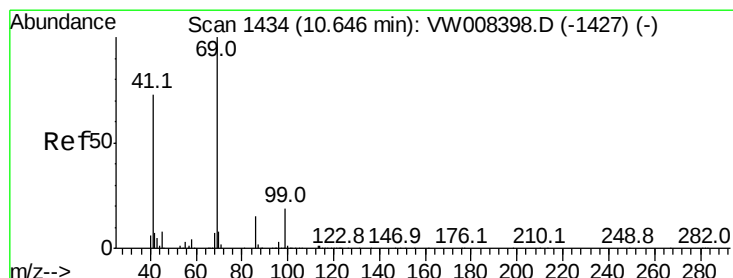
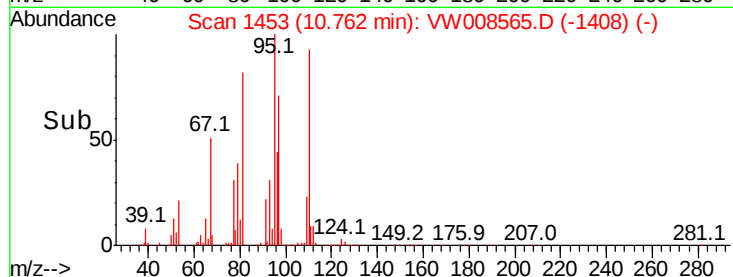
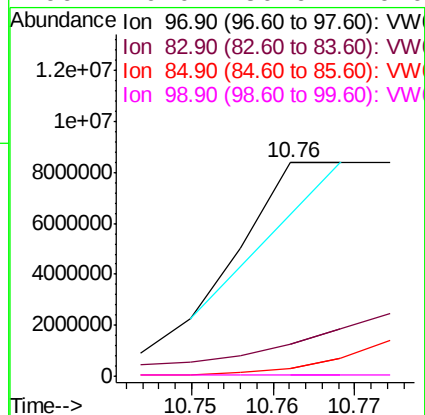
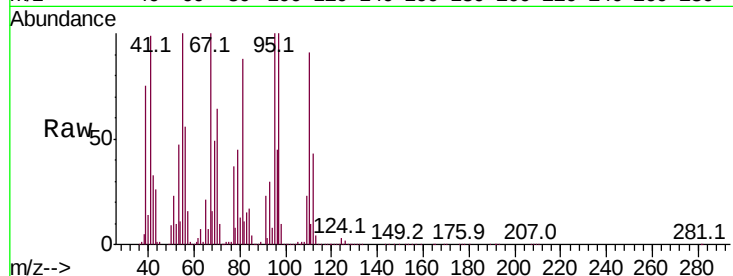
MSVOA_W

ClientSampleId :

SB-08(14-17)

Tot Ion: 97 Resp: 2744946

Ion	Ratio	Lower	Upper
97	100		
83	12.1	68.4	102.6#
85	4.2	45.3	67.9#
99	0.0	50.6	76.0#



#56

Ethyl methacrylate

Concen: 259.289 ug/l

RT: 10.65 min Scan# 1435

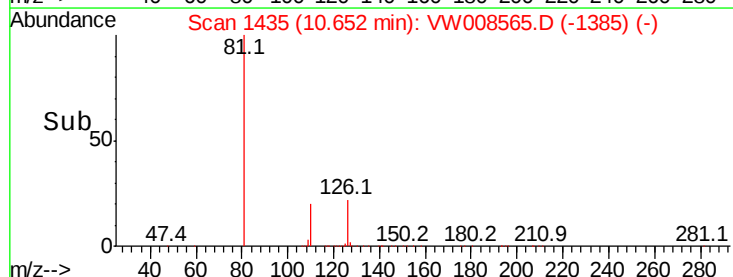
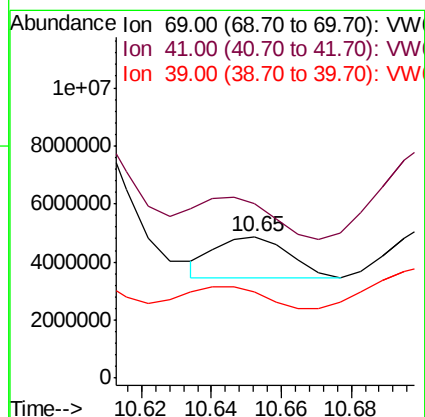
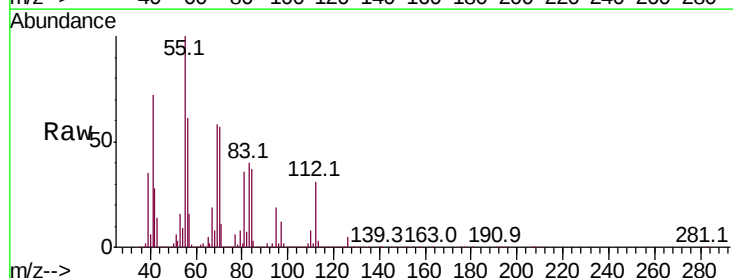
Delta R.T. 0.01 min

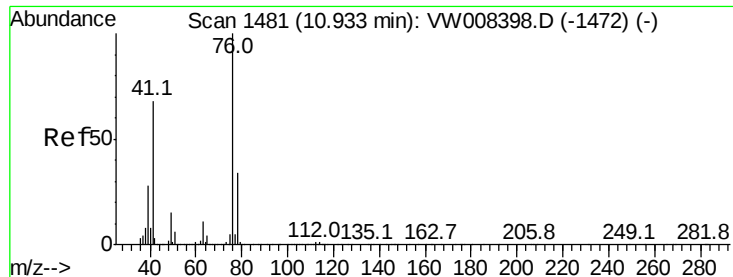
Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Tgt Ion: 69 Resp: 2084672

Ion	Ratio	Lower	Upper
69	100		
41	0.0	58.7	88.1#
39	76.3	32.6	48.8#





#57

1,3-Dichloropropane

Concen: 1.554 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

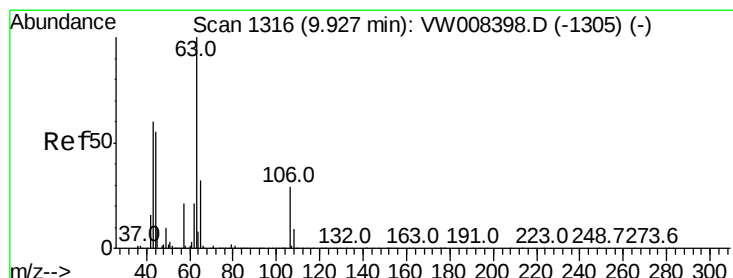
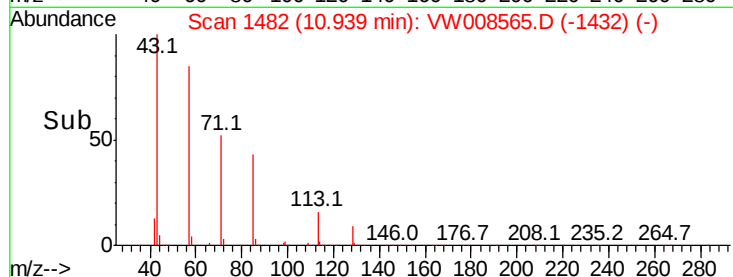
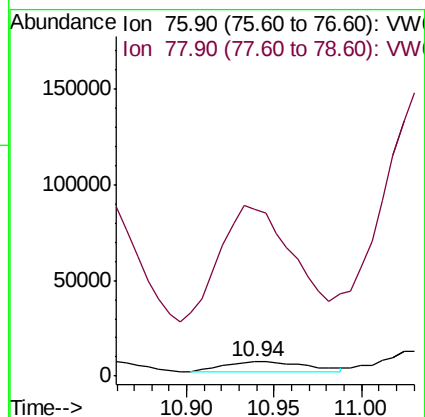
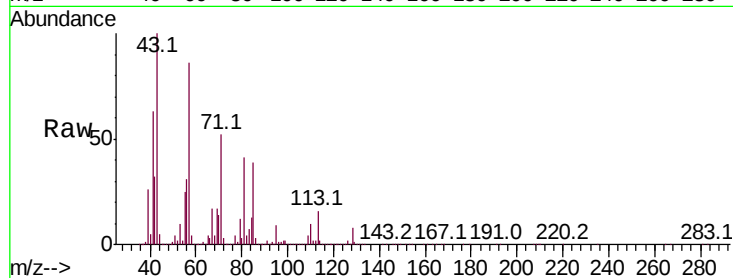
SB-08(14-17)

Tot Ion: 76 Resp: 15972

Ion Ratio Lower Upper

76 100

78 1094.0 25.8 38.8#



#58

2-Chloroethyl Vinyl ether

Concen: 755.058 ug/l

RT: 9.87 min Scan# 1307

Delta R.T. -0.05 min

Lab File: VW008565.D

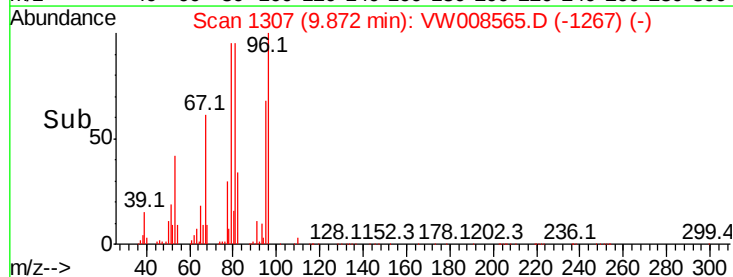
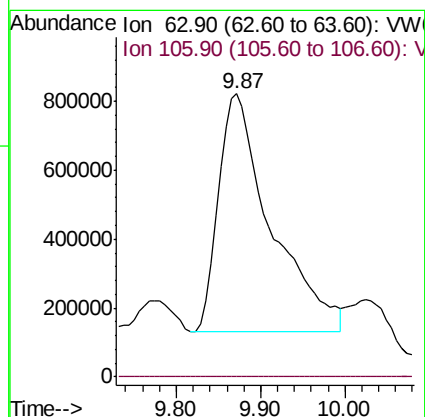
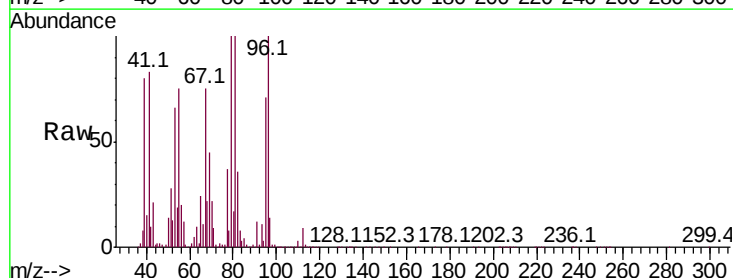
Acq: 07 Feb 2019 20:50

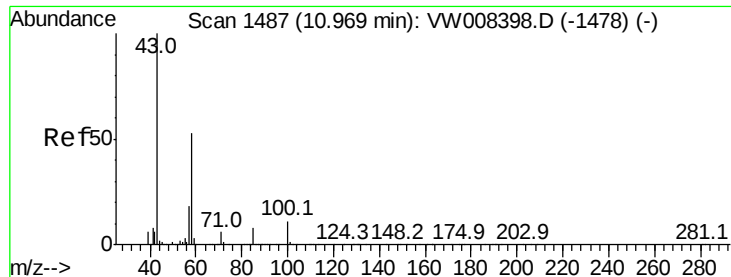
Tgt Ion: 63 Resp: 2949548

Ion Ratio Lower Upper

63 100

106 0.0 22.4 33.6#

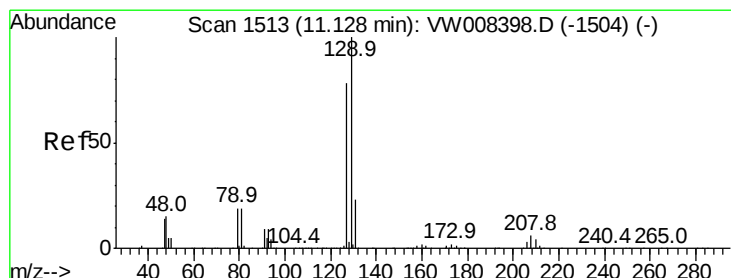
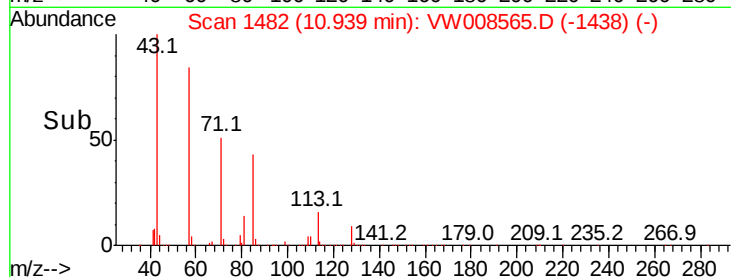
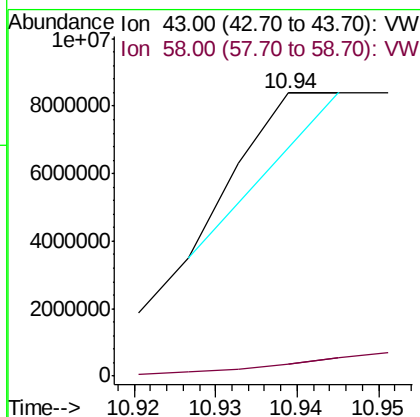
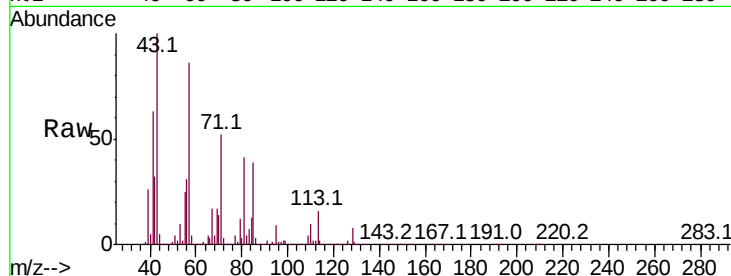




#59
2-Hexanone
Concen: 689.404 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

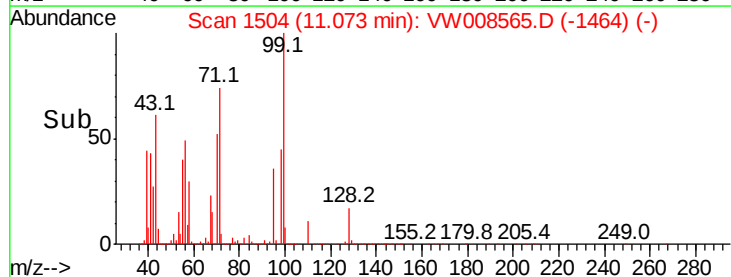
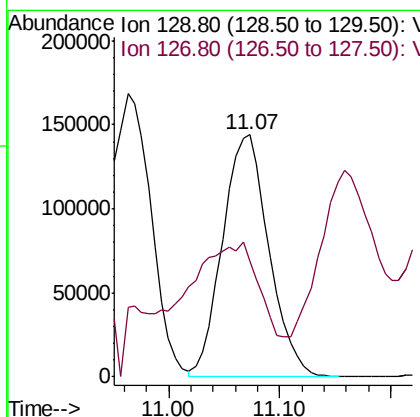
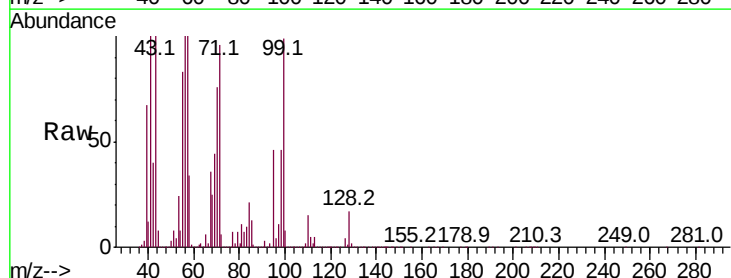
Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

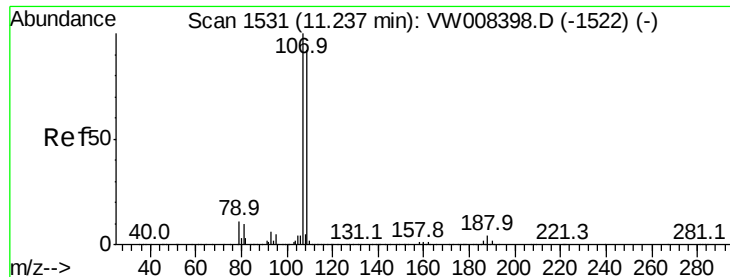
Tot Ion: 43 Resp: 2569051
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.7#



#60
Dibromochloromethane
Concen: 55.975 ug/l
RT: 11.07 min Scan# 1504
Delta R.T. -0.05 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 129 Resp: 412736
Ion Ratio Lower Upper
129 100
127 54.8 39.1 117.2

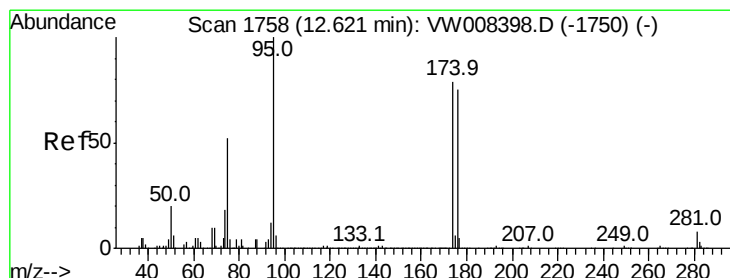
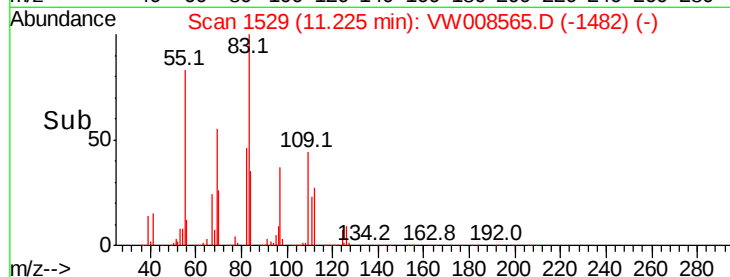
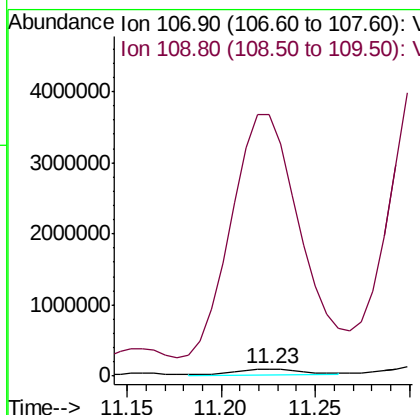
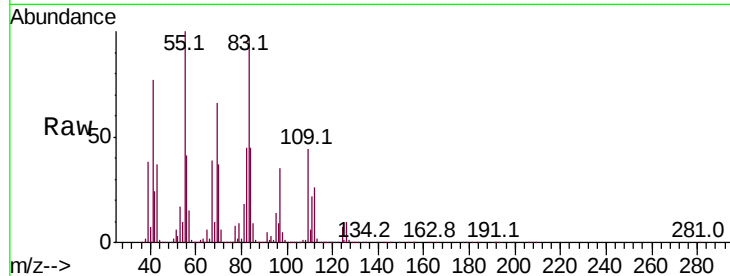




#61
 1,2-Dibromoethane
 Concen: 37.199 ug/l
 RT: 11.23 min Scan# 1529
 Delta R.T. -0.01 min
 Lab File: VW008565.D
 Acq: 07 Feb 2019 20:50

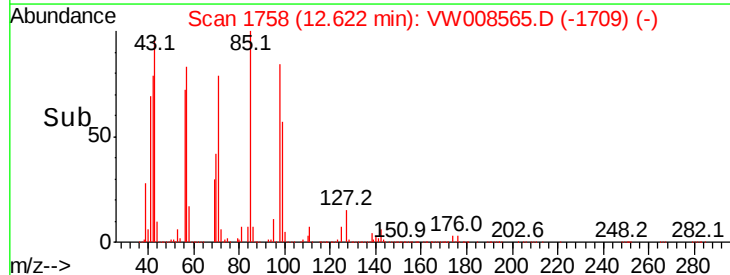
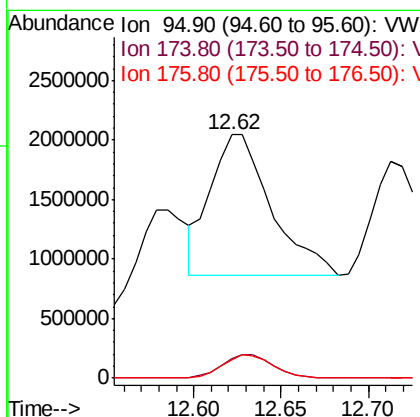
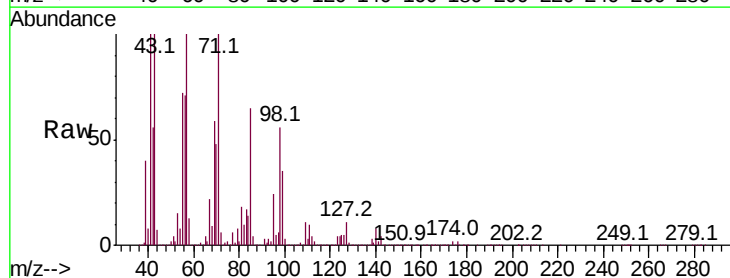
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-08(14-17)

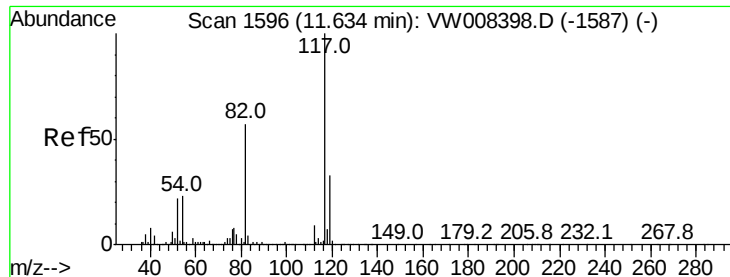
Tot Ion:107 Resp: 211635
 Ion Ratio Lower Upper
 107 100
 109 4125.6 75.0 112.4#



#62
 4-Bromofluorobenzene
 Concen: 255.429 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008565.D
 Acq: 07 Feb 2019 20:50

Tgt Ion: 95 Resp: 2833113
 Ion Ratio Lower Upper
 95 100
 174 14.3 0.0 157.6
 176 13.6 0.0 151.8

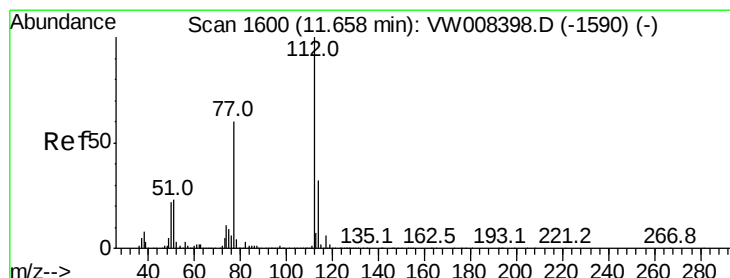
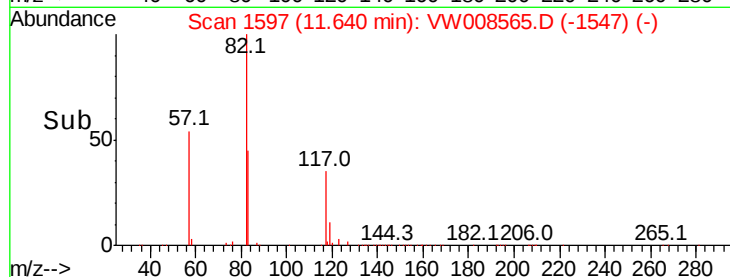
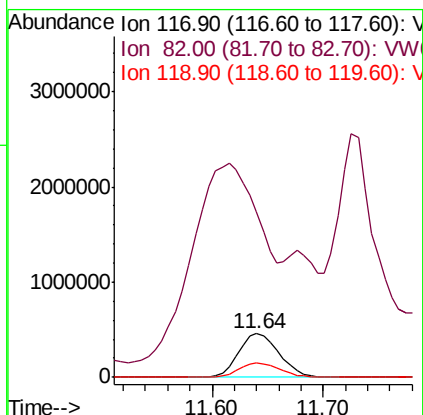
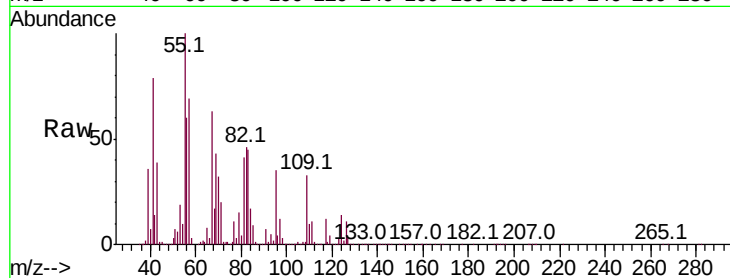




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

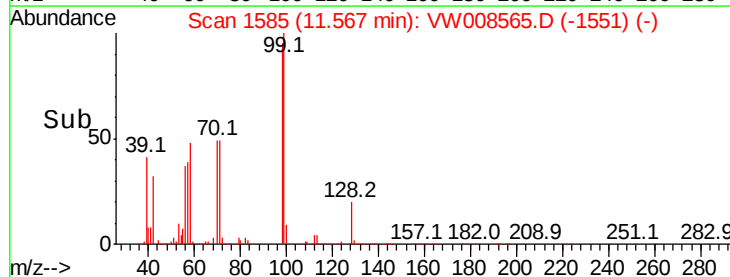
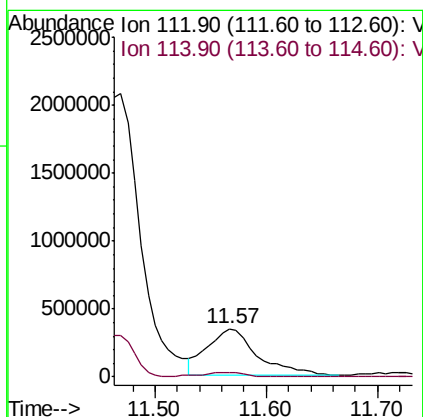
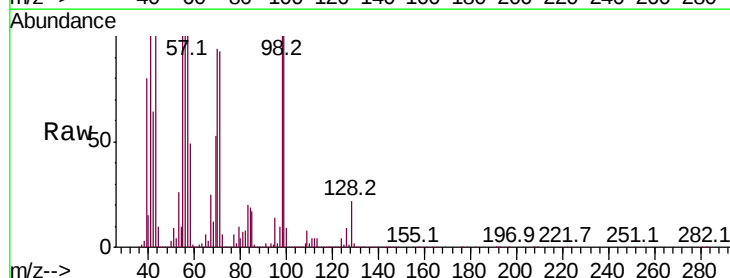
Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

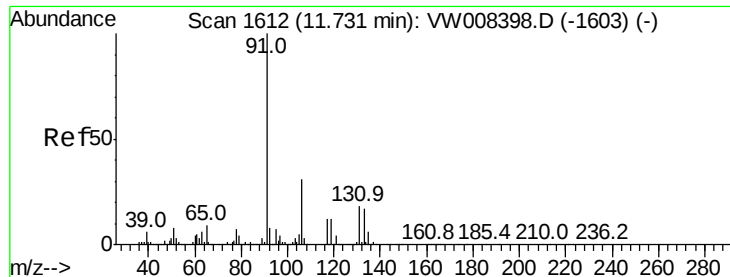
Tot Ion:117 Resp: 1154663
Ion Ratio Lower Upper
117 100
82 121.8 45.4 68.0#
119 32.7 26.2 39.4



#65
Chlorobenzene
Concen: 45.146 ug/l
RT: 11.57 min Scan# 1585
Delta R.T. -0.09 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion:112 Resp: 1064119
Ion Ratio Lower Upper
112 100
114 9.5 25.4 38.2#

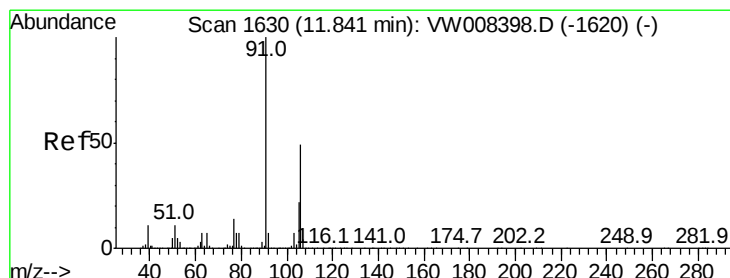
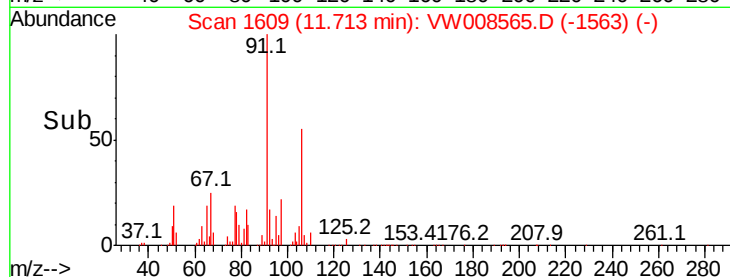
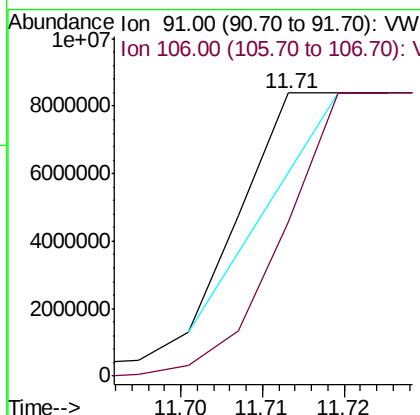
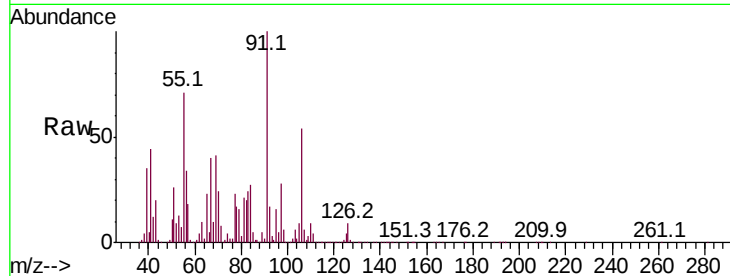




#67
Ethyl Benzene
Concen: 66.737 ug/l
RT: 11.71 min Scan# 1609
Delta R.T. -0.02 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

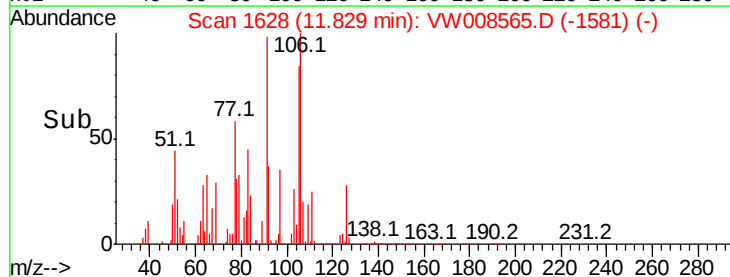
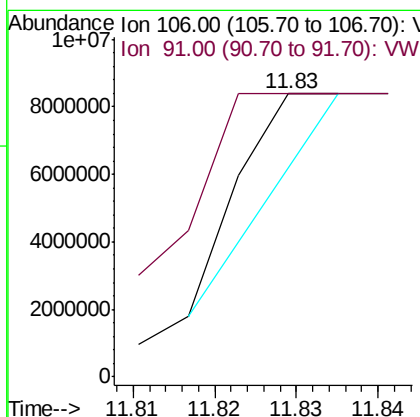
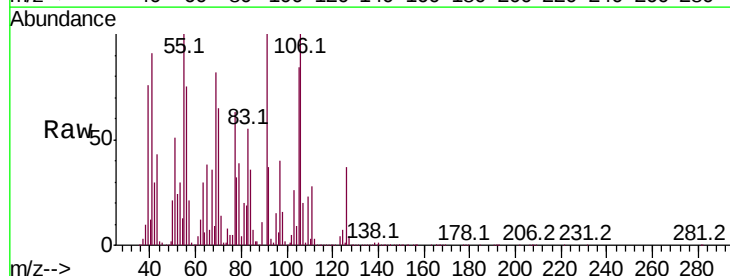
Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

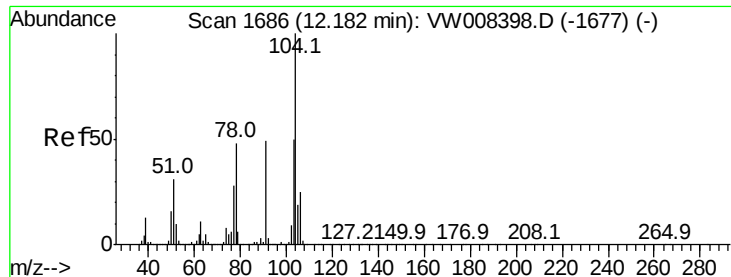
Tot Ion: 91 Resp: 2891516
Ion Ratio Lower Upper
91 100
106 60.1 24.7 37.1#



#68
m/p-Xylenes
Concen: 180.258 ug/l
RT: 11.83 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 106 Resp: 3030247
Ion Ratio Lower Upper
106 100
91 65.1 162.9 244.3#

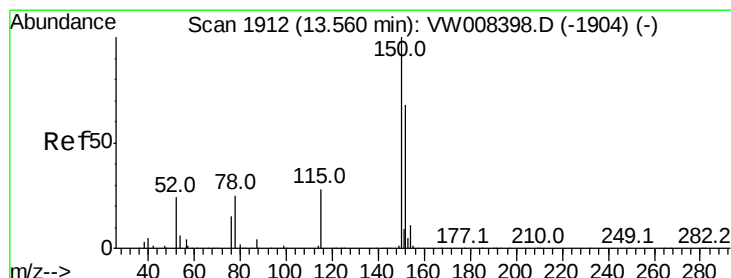
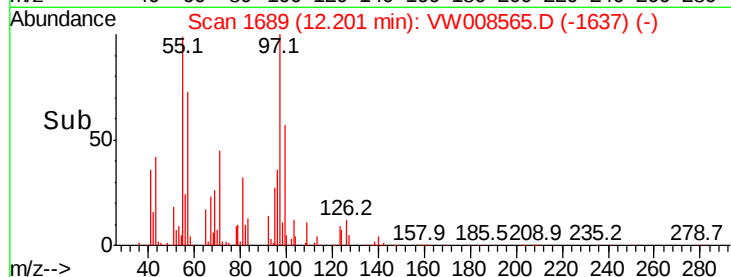
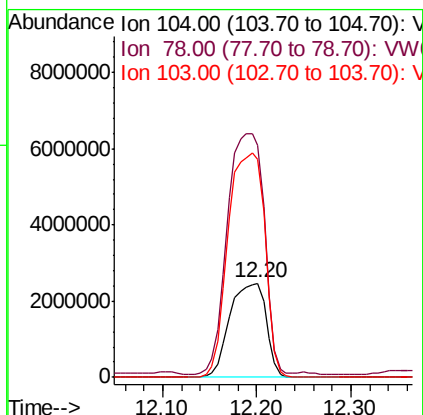
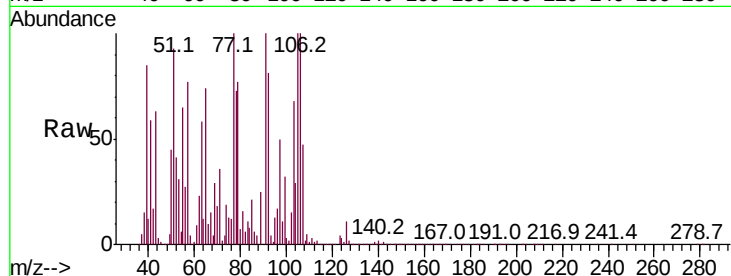




#70
Stvrene
Concen: 250.632 ug/l
RT: 12.20 min Scan# 1689
Delta R.T. 0.02 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

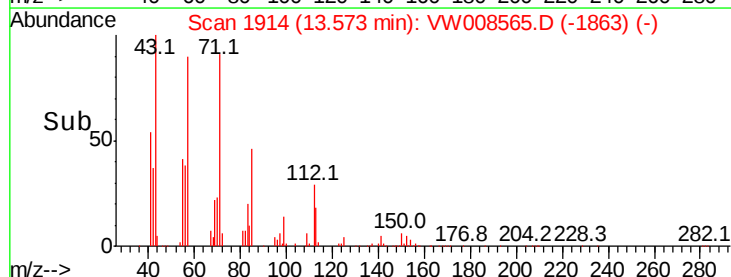
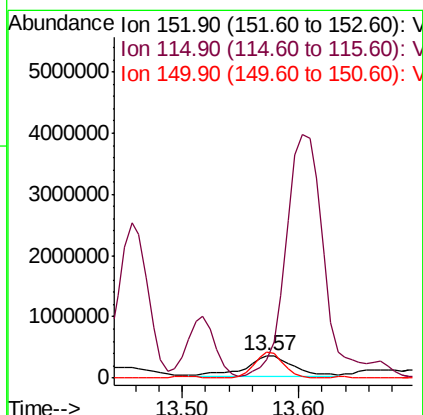
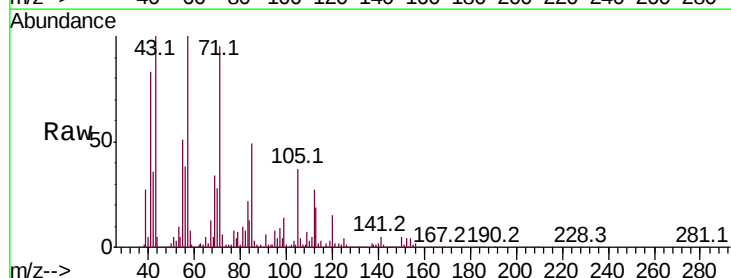
Instrument :
MSVOA_W
ClientSampled :
SB-08(14-17)

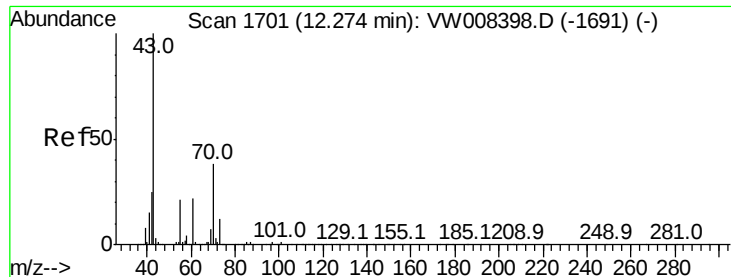
Tot Ion:104 Resp: 6612549
Ion Ratio Lower Upper
104 100
78 260.3 42.4 63.6#
103 241.1 43.4 65.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1914
Delta R.T. 0.01 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion:152 Resp: 957949
Ion Ratio Lower Upper
152 100
115 0.0 29.9 89.7#
150 75.1 0.0 351.4





#74

N-amvl acetate

Concen: 33.566 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

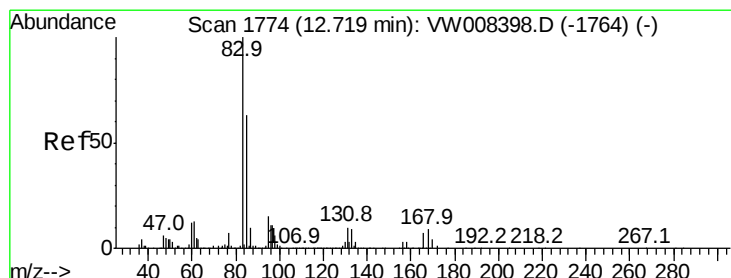
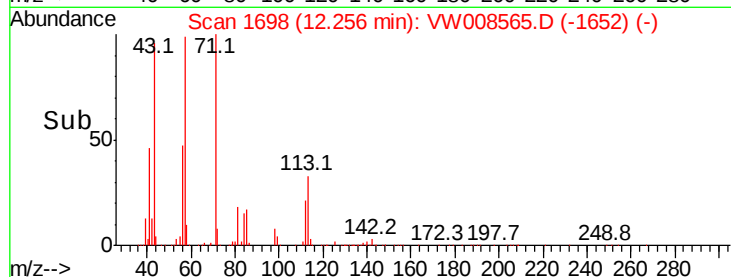
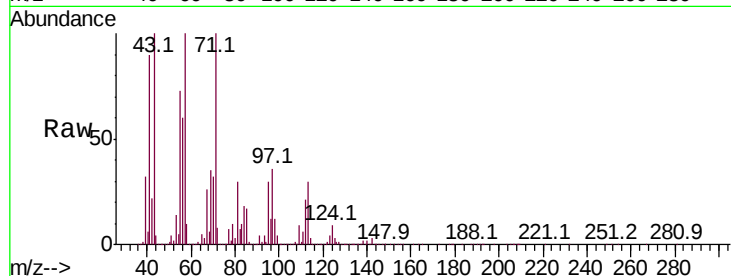
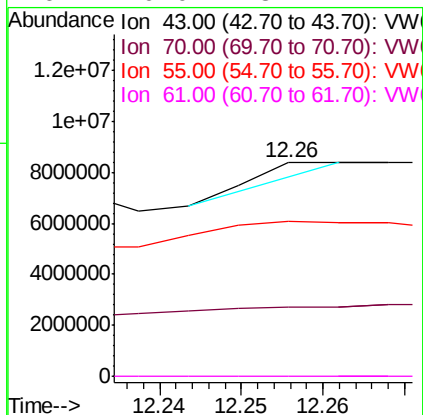
ClientSampleId :

SB-08(14-17)

Tot Ion: 43 Resp: 617550

Ion Ratio Lower Upper

43	100		
70	1138.8	31.0	46.6#
55	529.2	17.4	26.2#
61	0.0	18.2	27.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 298.635 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

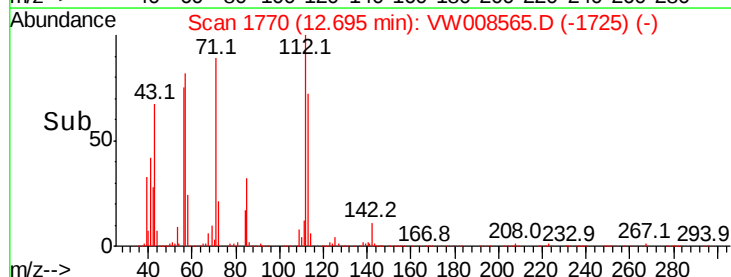
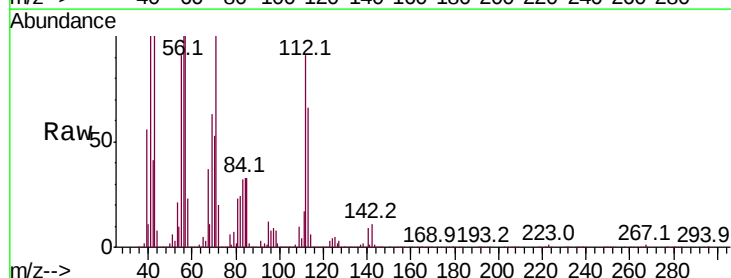
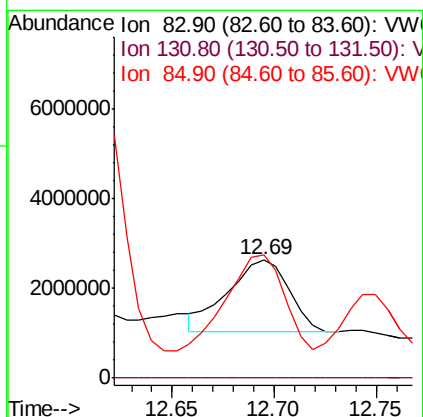
Lab File: VW008565.D

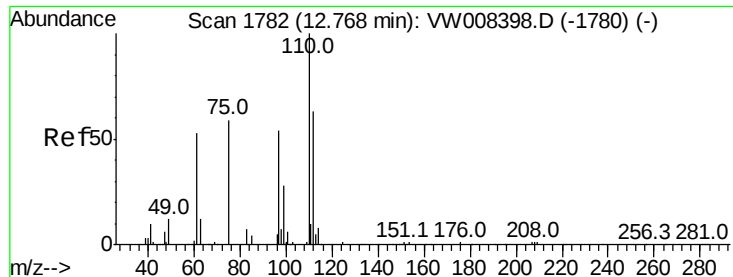
Acq: 07 Feb 2019 20:50

Tgt Ion: 83 Resp: 3376581

Ion Ratio Lower Upper

83	100		
131	0.0	5.5	16.4#
85	137.1	31.9	95.5#



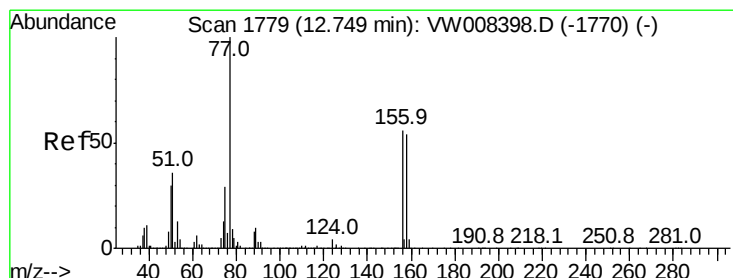
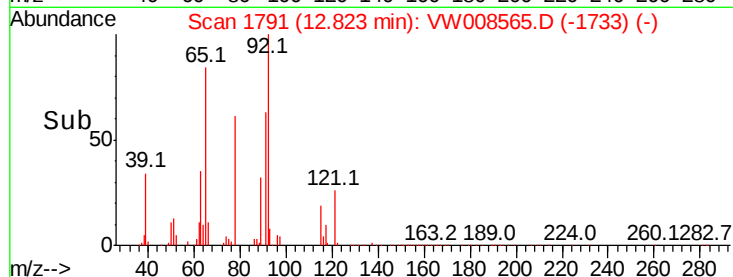
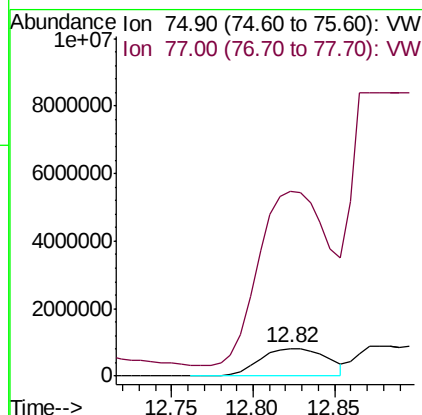
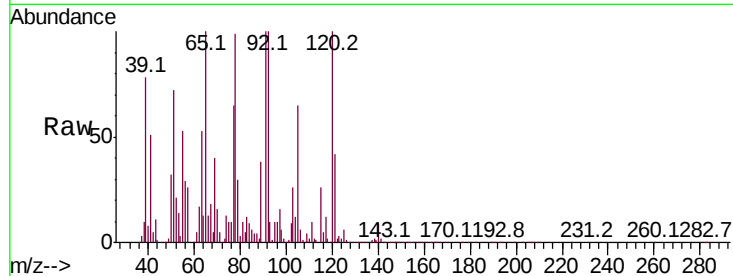


#76

1,2,3-Trichloropropane
Concen: 275.439 ug/l
RT: 12.82 min Scan# 1791
Delta R.T. 0.06 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

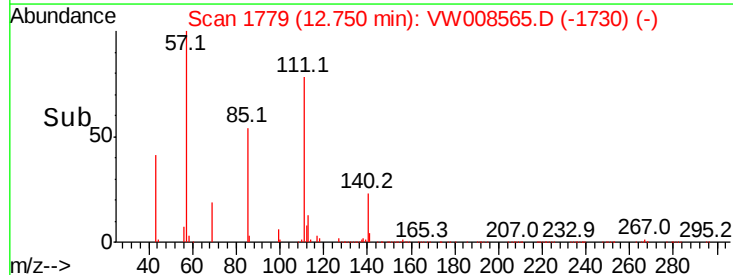
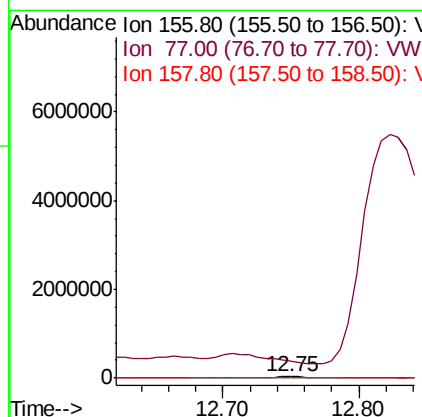
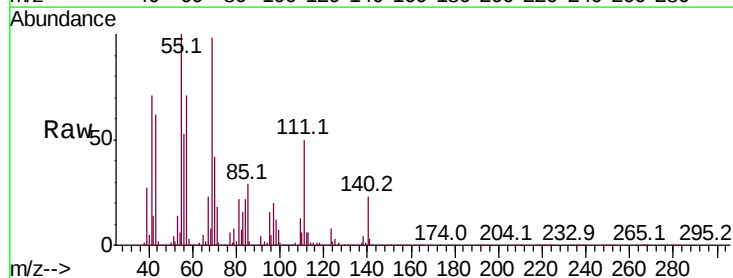
Tot Ion: 75 Resp: 2294048
Ion Ratio Lower Upper
75 100
77 672.8 180.7 542.1#

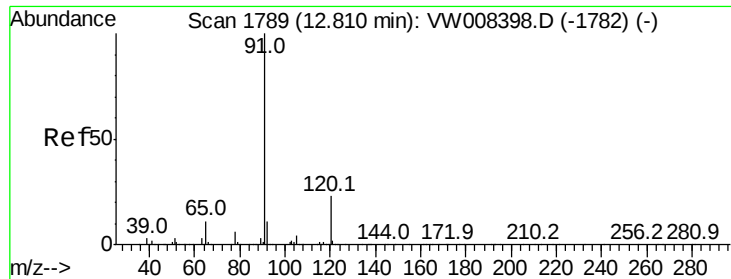


#77

Bromobenzene
Concen: 4.209 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 156 Resp: 65643
Ion Ratio Lower Upper
156 100
77 0.0 96.9 290.7#
158 1.2 48.8 146.4#





#78

n-propylbenzene

Concen: 8.669 ug/l

RT: 12.66 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

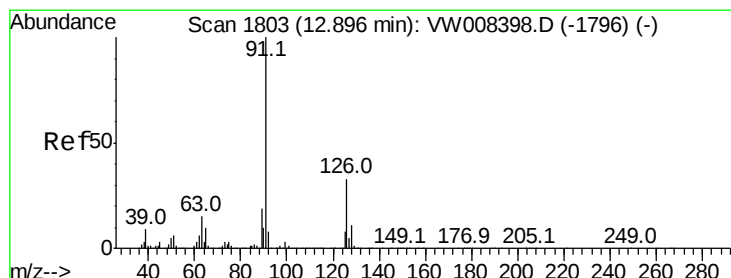
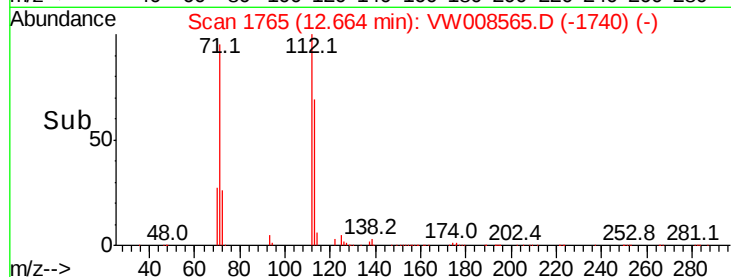
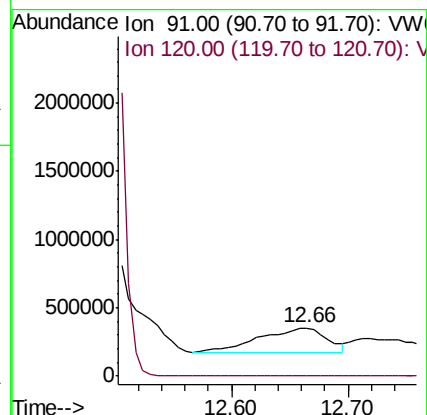
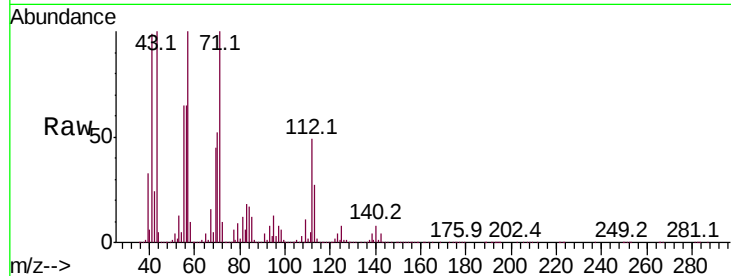
SB-08(14-17)

Tot Ion: 91 Resp: 743579

Ion Ratio Lower Upper

91 100

120 0.0 11.4 34.1#



#79

2-Chlorotoluene

Concen: 297.720 ug/l

RT: 12.98 min Scan# 1817

Delta R.T. 0.09 min

Lab File: VW008565.D

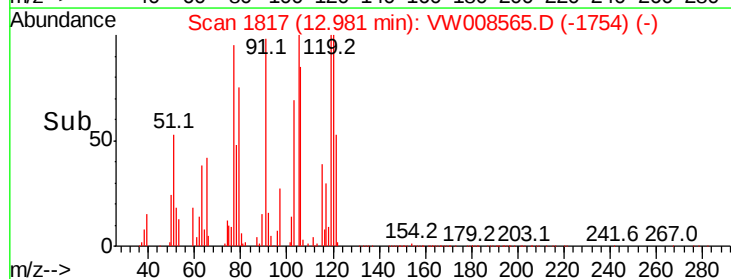
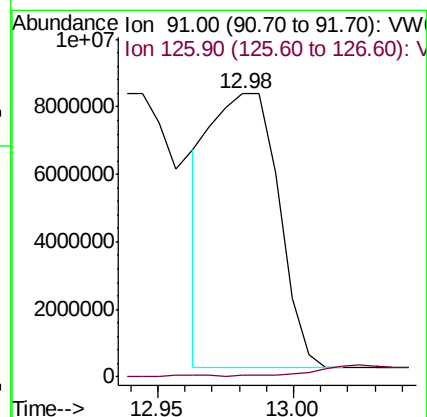
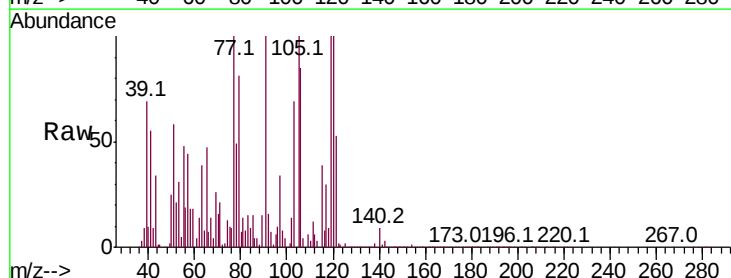
Acq: 07 Feb 2019 20:50

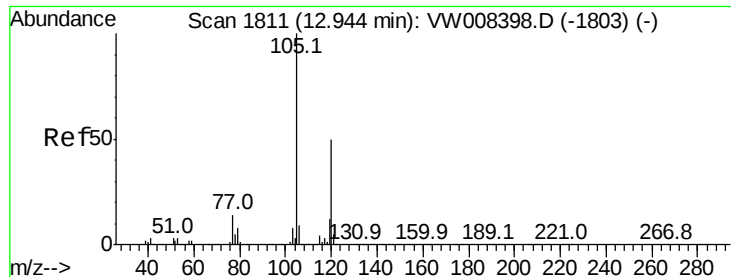
Tgt Ion: 91 Resp: 14410568

Ion Ratio Lower Upper

91 100

126 0.0 16.5 49.5#

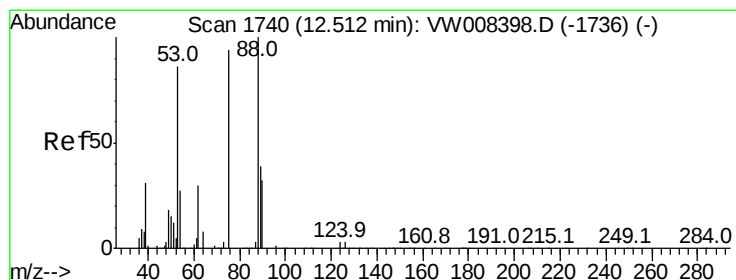
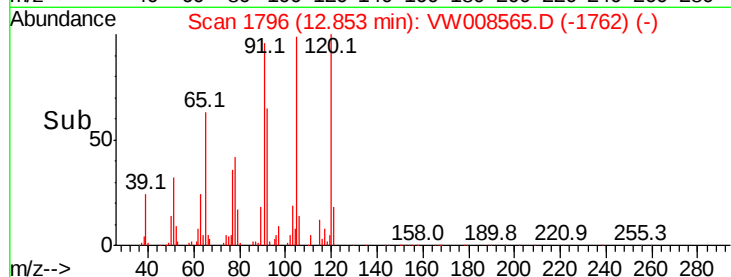
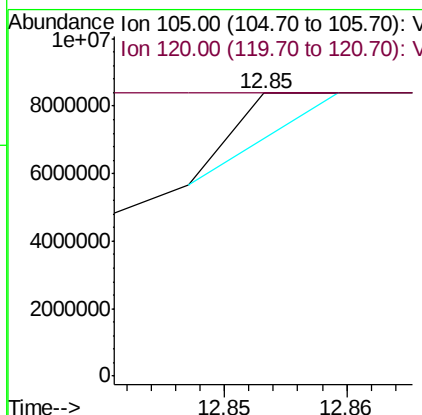
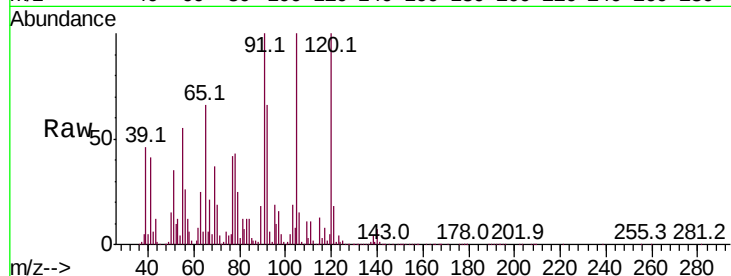




#80
 1,3,5-Trimethylbenzene
 Concen: 21.906 ug/l
 RT: 12.85 min Scan# 1796
 Delta R.T. -0.09 min
 Lab File: VW008565.D
 Acq: 07 Feb 2019 20:50

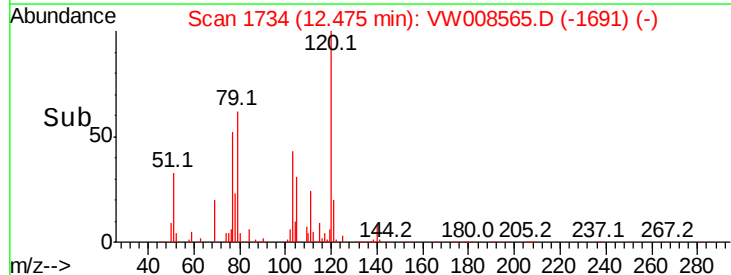
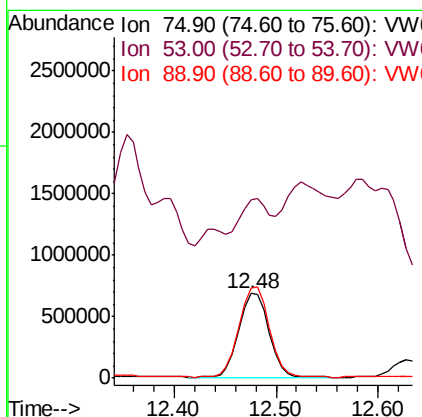
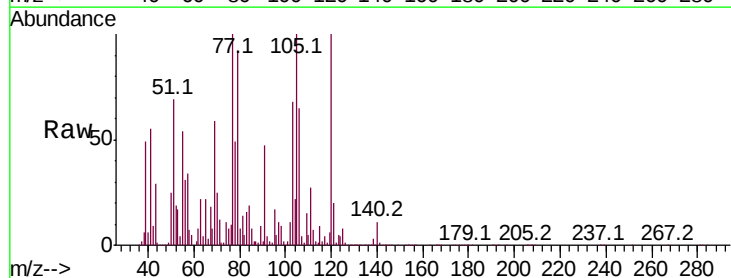
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-08(14-17)

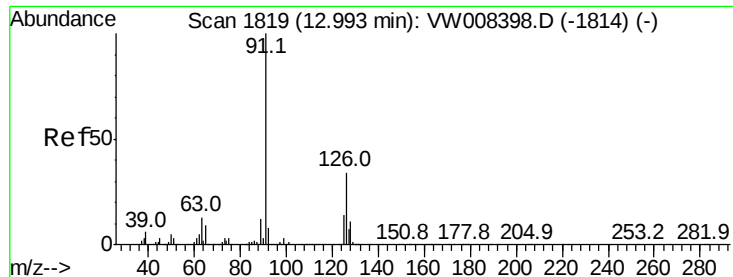
Tot Ion:105 Resp: 1307621
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.6 73.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 331.691 ug/l
 RT: 12.48 min Scan# 1734
 Delta R.T. -0.04 min
 Lab File: VW008565.D
 Acq: 07 Feb 2019 20:50

Tgt Ion: 75 Resp: 1398705
 Ion Ratio Lower Upper
 75 100
 53 38.7 76.0 114.0#
 89 107.9 35.4 53.0#

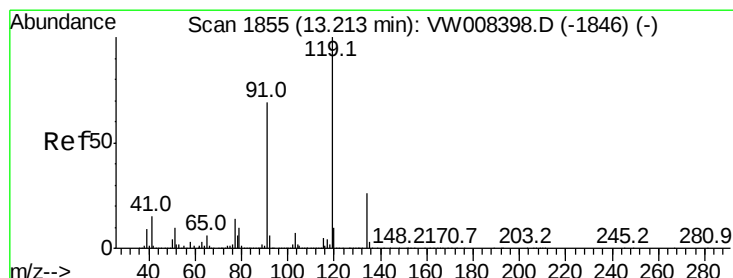
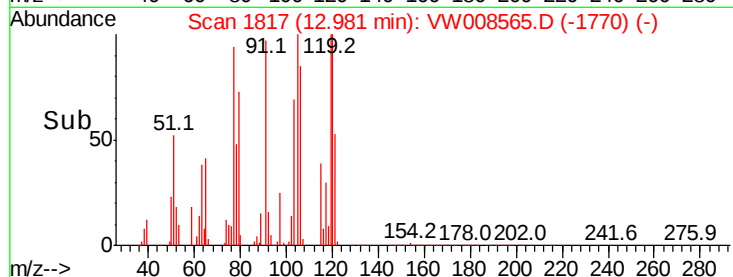
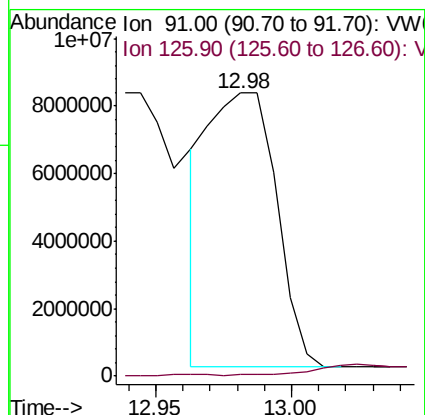
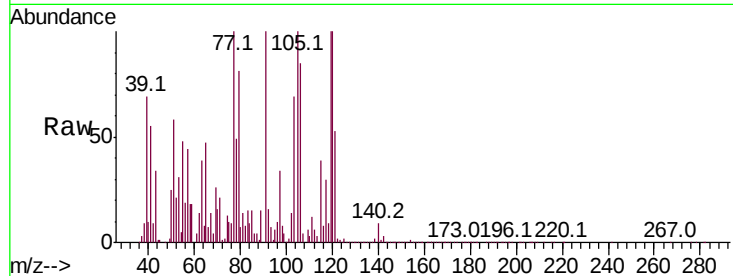




#82
4-Chlorotoluene
Concen: 279.633 ug/l
RT: 12.98 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

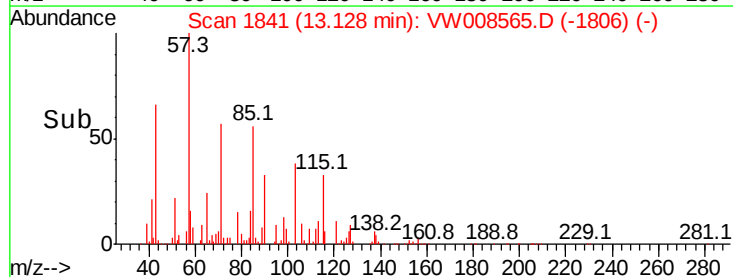
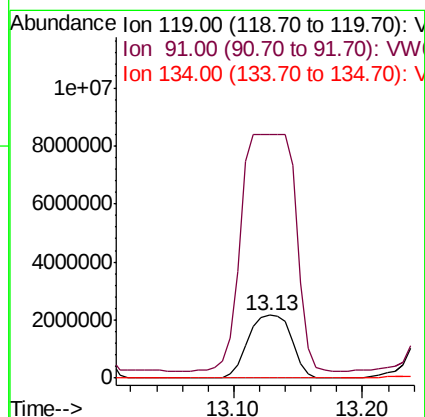
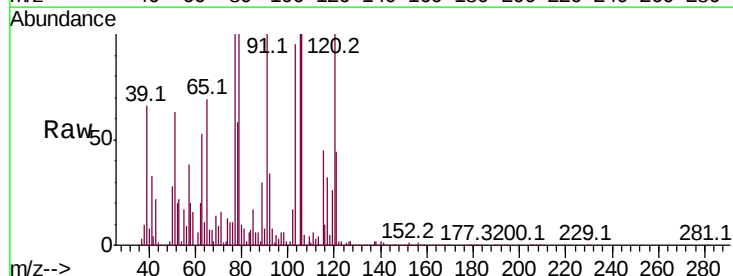
Instrument :
MSVOA_W
ClientSampleId :
SB-08(14-17)

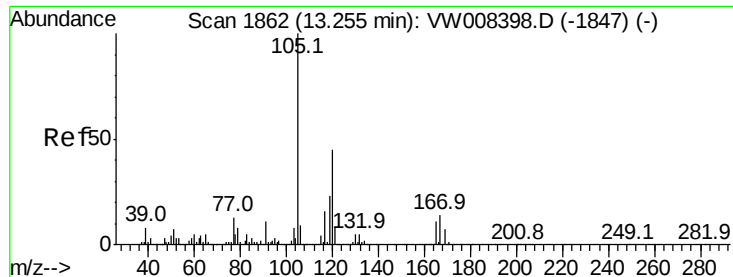
Tot Ion: 91 Resp: 14410568
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.2#



#83
tert-Butylbenzene
Concen: 94.596 ug/l
RT: 13.13 min Scan# 1841
Delta R.T. -0.09 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 119 Resp: 5024899
Ion Ratio Lower Upper
119 100
91 0.0 33.8 101.4#
134 0.0 13.5 40.4#

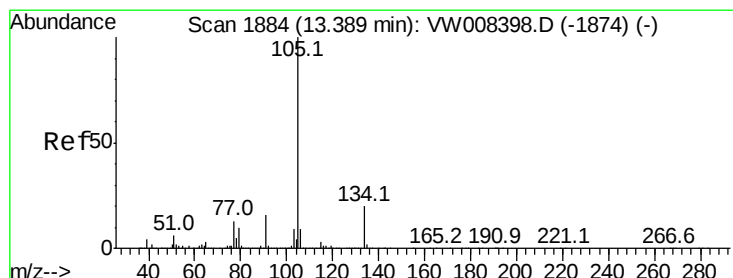
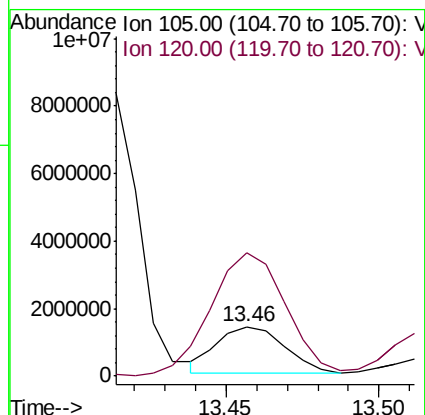
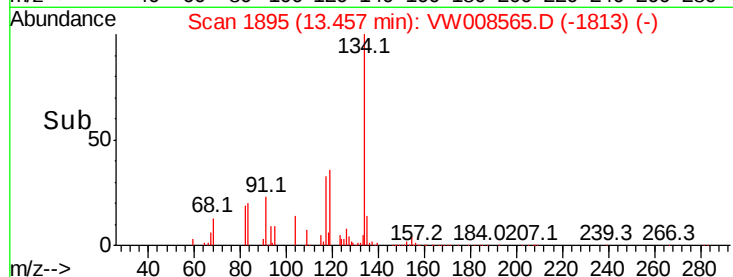
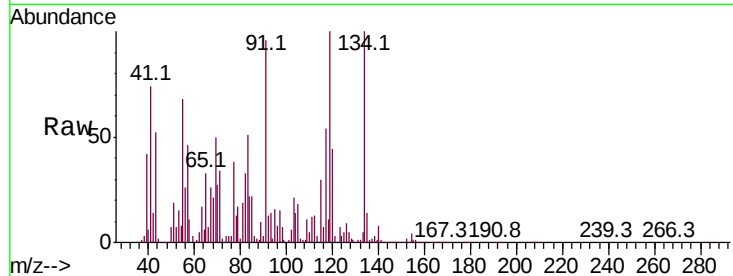




#84
 1,2,4-Trimethylbenzene
 Concen: 34.283 ug/l
 RT: 13.46 min Scan# 1895
 Delta R.T. 0.20 min
 Lab File: VW008565.D
 Acq: 07 Feb 2019 20:50

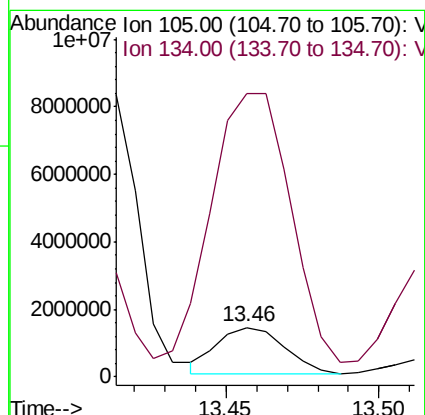
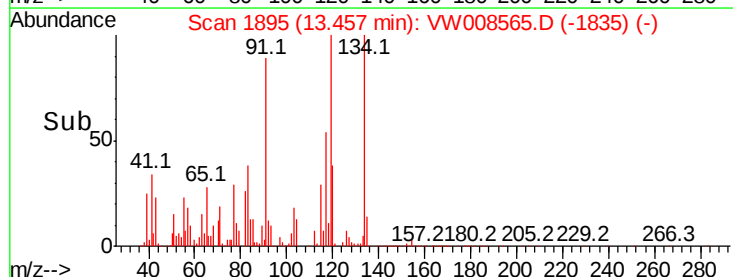
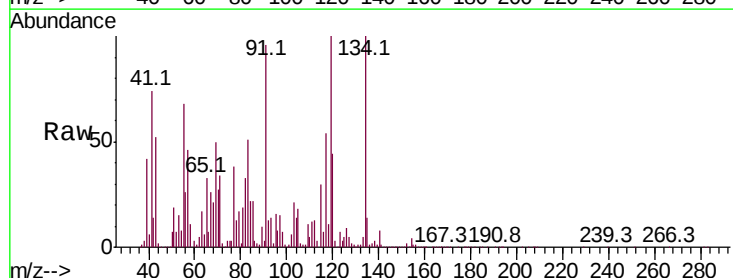
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-08(14-17)

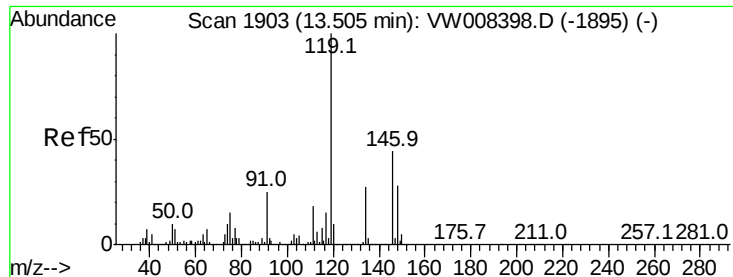
Tot Ion:105 Resp: 2080070
 Ion Ratio Lower Upper
 105 100
 120 295.6 23.1 69.2#



#85
 sec-Butylbenzene
 Concen: 27.419 ug/l
 RT: 13.46 min Scan# 1895
 Delta R.T. 0.07 min
 Lab File: VW008565.D
 Acq: 07 Feb 2019 20:50

Tgt Ion:105 Resp: 2080070
 Ion Ratio Lower Upper
 105 100
 134 758.9 10.2 30.6#

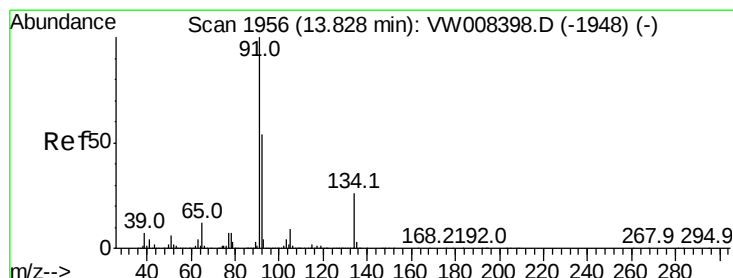
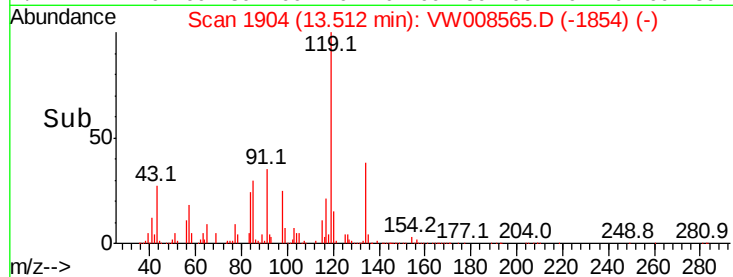
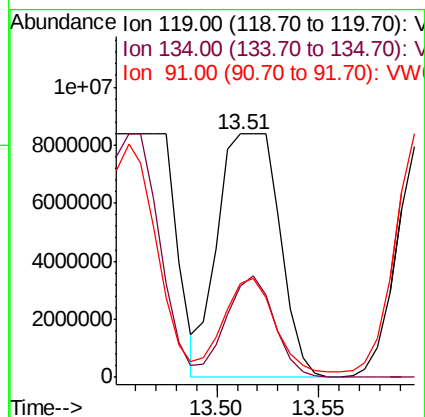
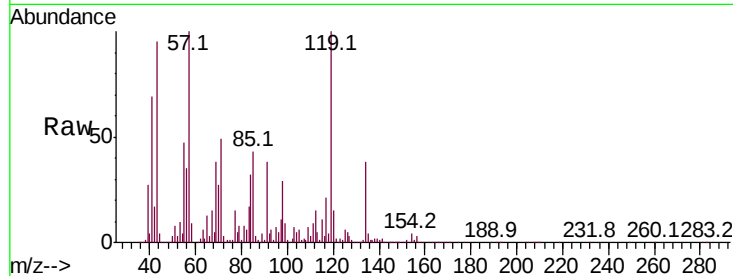




#86
p-Isopropyltoluene
Concen: 264.510 ug/l
RT: 13.51 min Scan# 1904
Delta R.T. 0.01 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

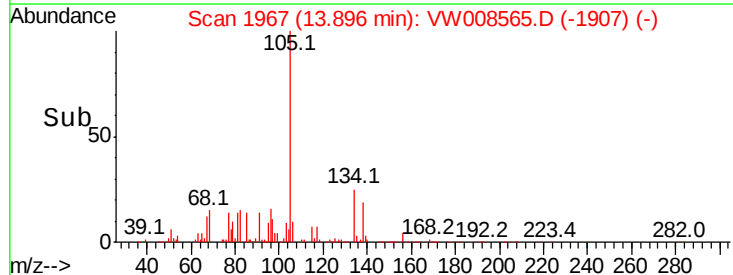
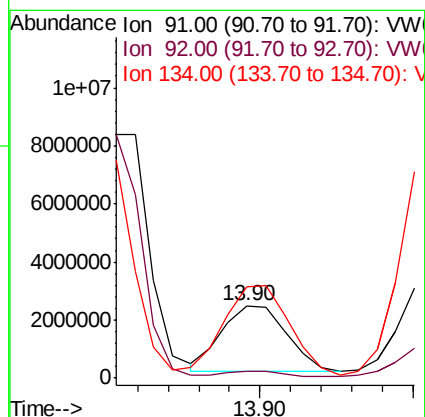
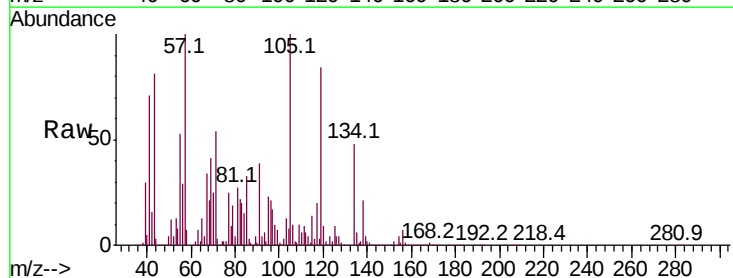
Instrument :
MSVOA_W
ClientSampled :
SB-08(14-17)

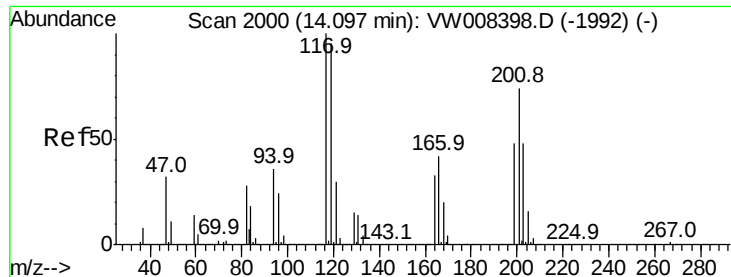
Tot Ion:119 Resp:17576886
Ion Ratio Lower Upper
119 100
134 32.7 13.4 40.2
91 31.6 12.6 37.6



#89
n-Butylbenzene
Concen: 51.914 ug/l
RT: 13.90 min Scan# 1967
Delta R.T. 0.07 min
Lab File: VW008565.D
Acq: 07 Feb 2019 20:50

Tgt Ion: 91 Resp: 3387171
Ion Ratio Lower Upper
91 100
92 0.0 27.4 82.2#
134 136.0 13.0 39.0#





#90

Hexachloroethane

Concen: 791.067 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

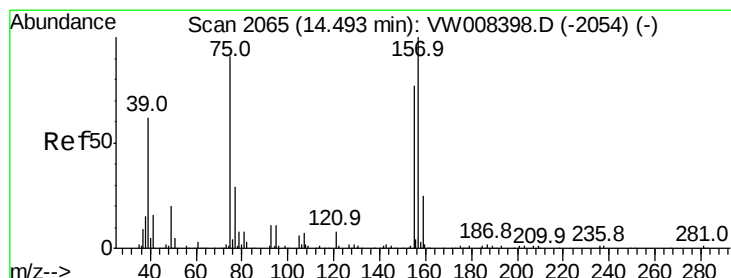
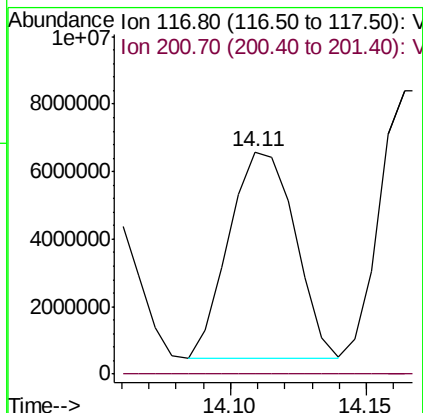
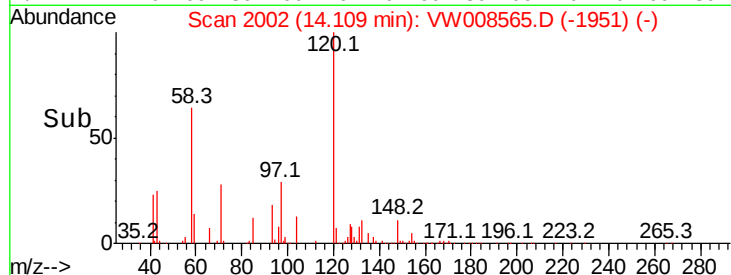
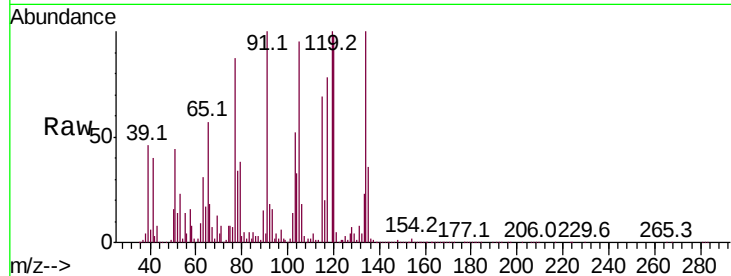
SB-08(14-17)

Tot Ion:117 Resp:10280123

Ion Ratio Lower Upper

117 100

201 0.0 39.1 117.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.142 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

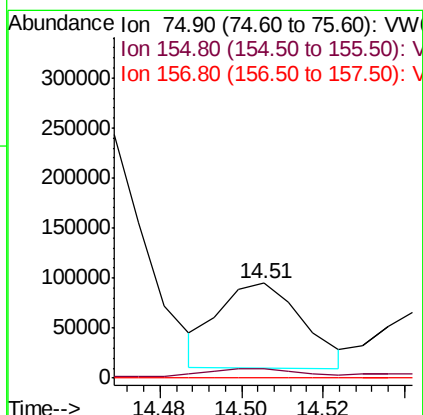
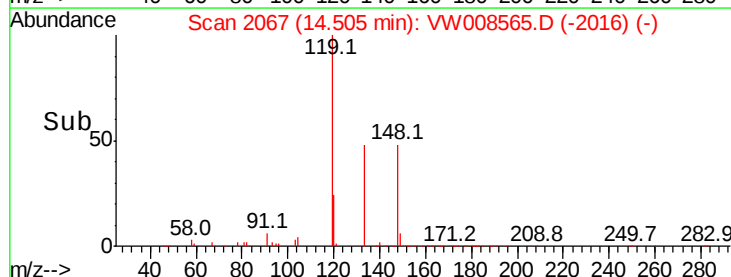
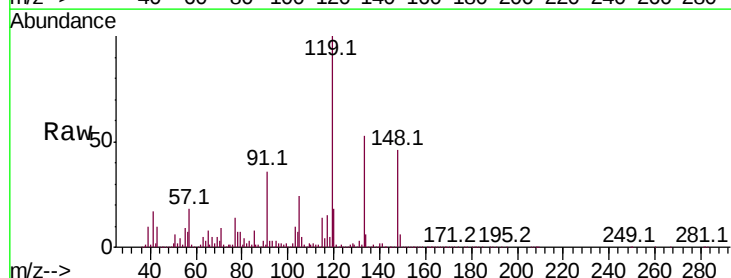
Tgt Ion: 75 Resp: 122588

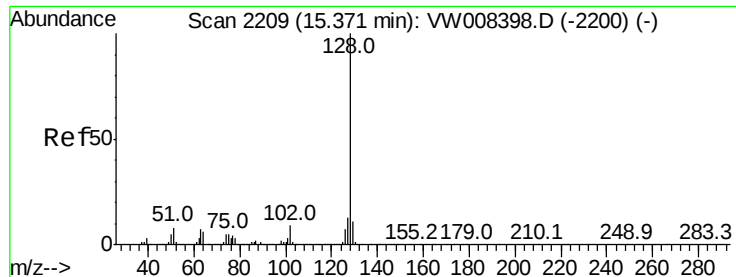
Ion Ratio Lower Upper

75 100

155 10.5 42.7 128.1#

157 0.2 55.5 166.3#





#95

Naphthalene

Concen: 593.807 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW008565.D

Acq: 07 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

SB-08(14-17)

Tot Ion:128 Resp:20737170

Ion Ratio Lower Upper

128 100

127 19.0 10.6 15.8#

129 15.8 8.7 13.1#

