

Data File : VW008249.D
Acq On : 14 Jan 2019 16:11
Operator : SY/VA
Sample : K1135-02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

Quant Time: Jan 14 21:14:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	95557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	162893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60116	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	55683	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.88	113	51072	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
50) Toluene-d8	10.32	98	205581	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.62	95	64837	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds			Qvalue			
11) Tert butyl alcohol	5.21	59	2298	8.684 ug/l #	100	
13) Acrolein	3.90	56	52	Below Cal #	1	
16) Acetone	4.13	43	10264	34.977 ug/l	91	
17) Carbon Disulfide	4.37	76	8148	2.493 ug/l	95	
20) Methylene Chloride	4.92	84	4101	Below Cal #	73	
25) 2-Butanone	7.18	43	4253	14.233 ug/l	98	
29) Tetrahydrofuran	7.54	42	694	3.477 ug/l #	67	
31) Cyclohexane	7.95	56	13102	5.797 ug/l #	91	
36) 1,1-Dichloropropene	7.95	75	7846	4.676 ug/l #	53	
39) Methylcyclohexane	9.34	83	43429	20.412 ug/l	96	
40) Benzene	8.32	78	6326	1.390 ug/l	98	
48) Methyl methacrylate	9.47	41	1197	1.887 ug/l #	16	
49) 1,4-Dioxane	9.48	88	466	52.286 ug/l #	29	
51) 4-Methyl-2-Pentanone	10.25	43	3098	4.762 ug/l	98	
52) Toluene	10.39	92	7698	2.649 ug/l	96	
55) 1,1,2-Trichloroethane	10.76	97	8653	11.121 ug/l #	22	
56) Ethyl methacrylate	10.66	69	3114	3.232 ug/l #	18	
59) 2-Hexanone	10.94	43	8016	18.219 ug/l #	24	
64) Tetrachloroethene	10.86	164	1157	1.218 ug/l #	47	
65) Chlorobenzene	11.66	112	42440	13.724 ug/l	97	
67) Ethyl Benzene	11.73	91	64642	11.425 ug/l	95	
68) m/p-Xylenes	11.84	106	21054	9.749 ug/l	94	
69) o-Xylene	12.17	106	17242	8.621 ug/l	99	
73) Isopropylbenzene	12.46	105	34387	7.286 ug/l	98	
74) N-amyl acetate	12.26	43	14326	13.707 ug/l #	58	
75) 1,1,2,2-Tetrachloroethane	12.69	83	3059	4.049 ug/l #	48	
76) 1,2,3-Trichloropropane	12.62	75	32961	60.145 ug/l #	1	
77) Bromobenzene	12.93	156	8098	8.120 ug/l #	1	
78) n-propylbenzene	12.80	91	76045	13.150 ug/l	98	
79) 2-Chlorotoluene	12.90	91	5919	1.835 ug/l	86	
80) 1,3,5-Trimethylbenzene	12.94	105	56247	14.503 ug/l	96	
81) trans-1,4-Dichloro-2-buten	12.46	75	1041	4.423 ug/l #	47	
82) 4-Chlorotoluene	12.90	91	5924	1.743 ug/l	87	
83) tert-Butylbenzene	13.21	119	5018	1.462 ug/l	71	

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MSVOA_W
ClientSampleId :
CPSB-19(15-20)

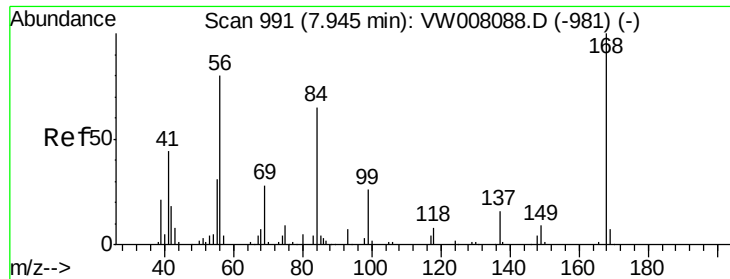
Quant Time: Jan 14 21:14:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.26	105	142764	35.690	ug/l	97
85) sec-Butylbenzene	13.39	105	24520	4.878	ug/l #	66
86) p-Isopropyltoluene	13.50	119	34538	7.957	ug/l	96
87) 1,3-Dichlorobenzene	13.58	146	11335	5.603	ug/l	83
88) 1,4-Dichlorobenzene	13.58	146	11386	5.610	ug/l	83
89) n-Butylbenzene	13.83	91	38543	9.067	ug/l #	71
90) Hexachloroethane	14.10	117	8961	12.223	ug/l #	17
91) 1,2-Dichlorobenzene	13.87	146	83646	47.048	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.64	75	128	1.053	ug/l	73
93) 1,2,4-Trichlorobenzene	15.13	180	1252	1.061	ug/l #	1
95) Naphthalene	15.37	128	54259	24.618	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

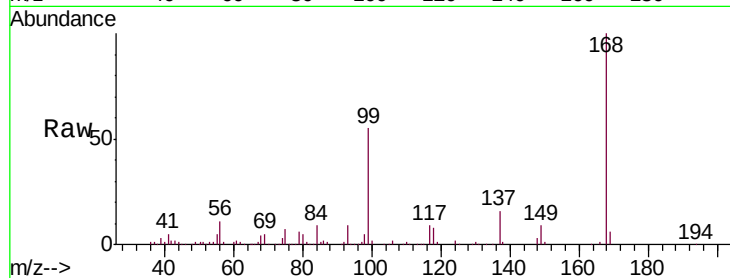
CPSB-19(15-20)

Tgt Ion:168 Resp: 95557

Ion Ratio Lower Upper

168 100

99 55.0 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

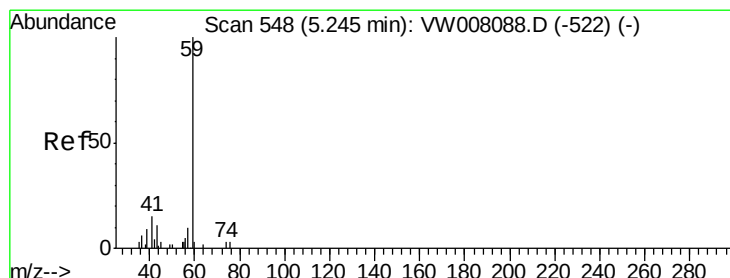
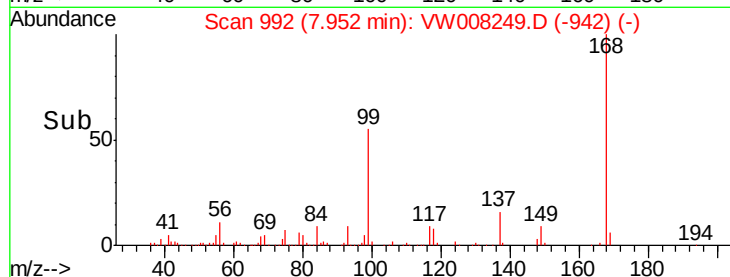
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 8.684 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.03 min

Lab File: VW008249.D

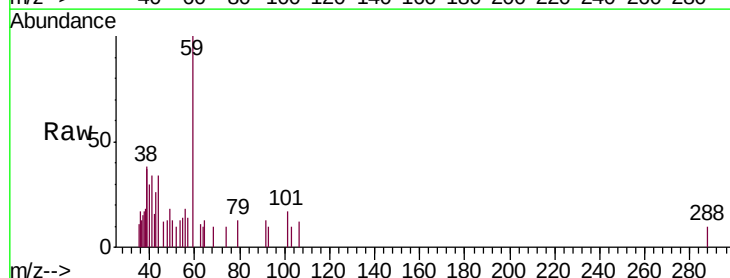
Acq: 14 Jan 2019 16:11

Tgt Ion: 59 Resp: 2298

Ion Ratio Lower Upper

59 100

57 8.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

600

500

400

300

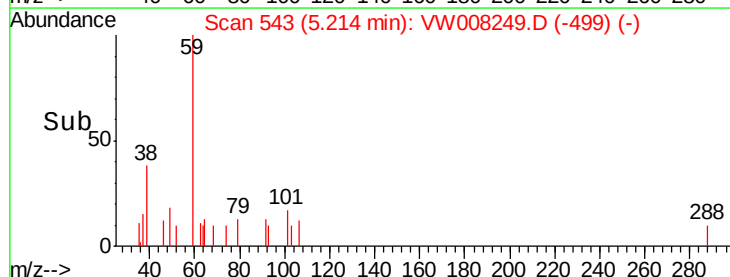
200

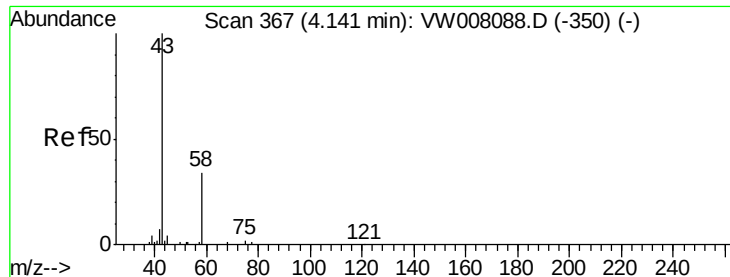
100

0

5.10 5.15 5.20 5.25 5.30

Time-->





#16

Acetone

Concen: 34.977 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

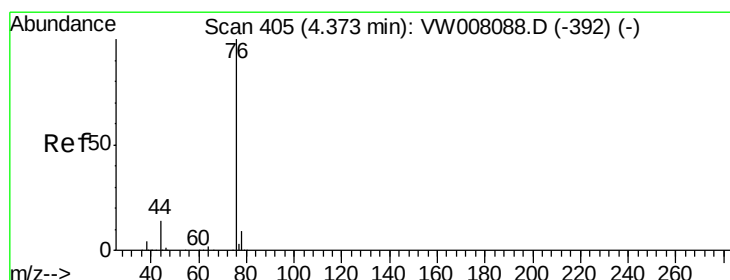
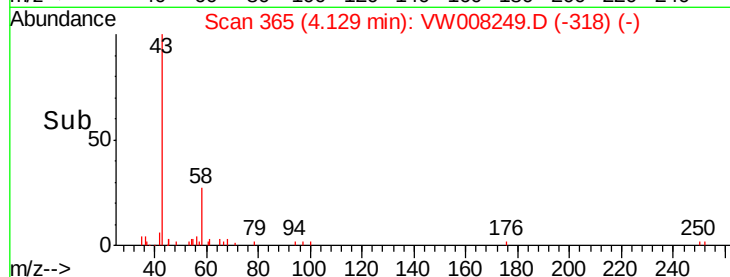
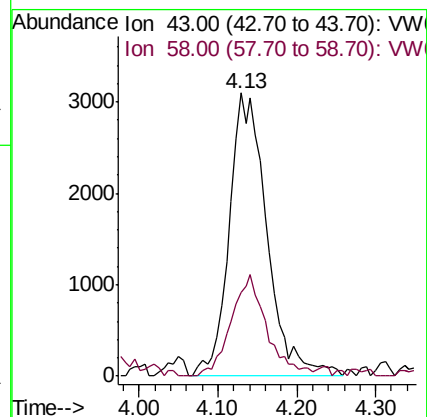
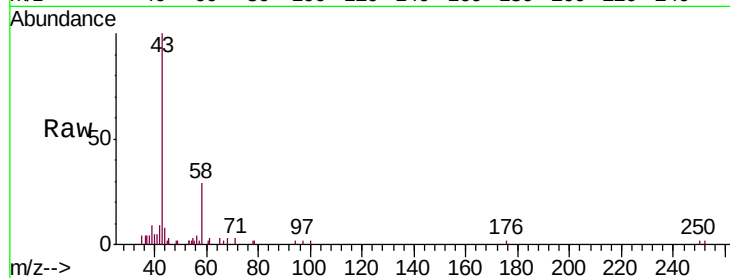
CPSB-19(15-20)

Tgt Ion: 43 Resp: 10264

Ion Ratio Lower Upper

43 100

58 29.5 27.5 41.3



#17

Carbon Disulfide

Concen: 2.493 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008249.D

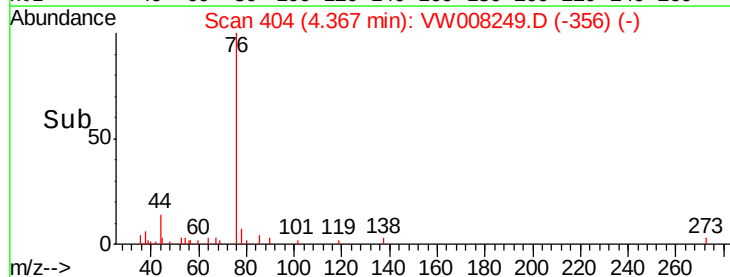
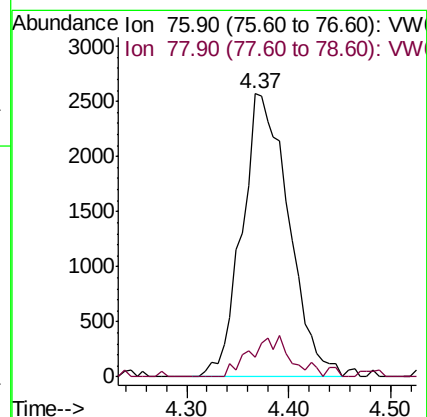
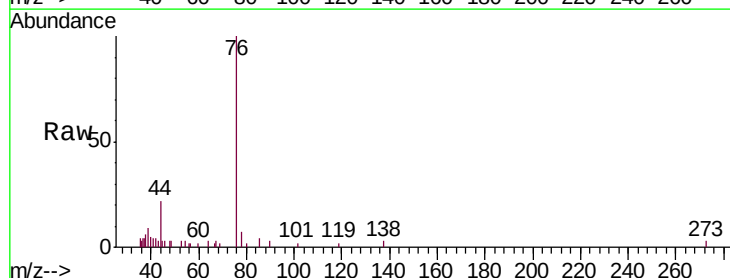
Acq: 14 Jan 2019 16:11

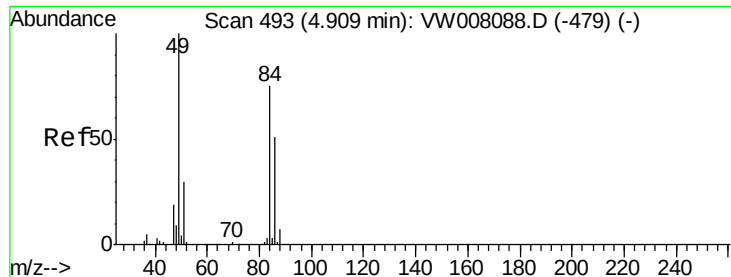
Tgt Ion: 76 Resp: 8148

Ion Ratio Lower Upper

76 100

78 7.2 7.0 10.6

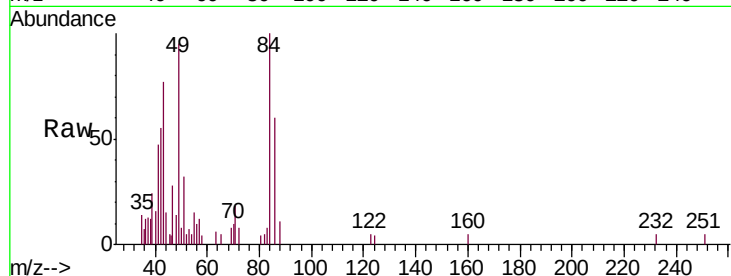




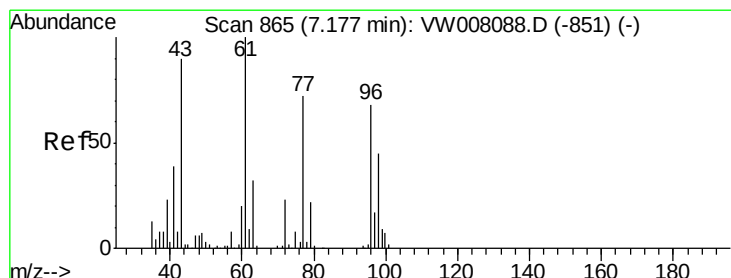
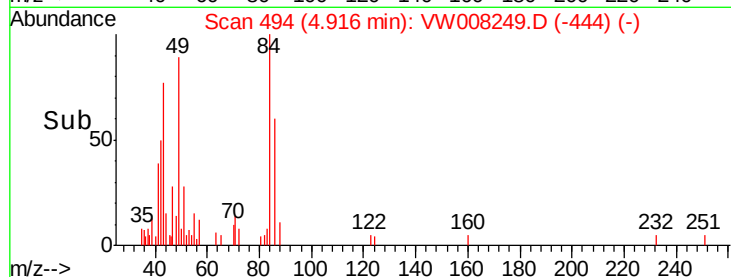
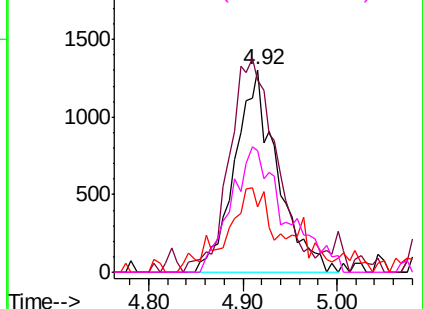
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

Tgt Ion: 84 Resp: 4101
Ion Ratio Lower Upper
84 100
49 90.1 107.1 160.7#
51 25.3 32.4 48.6#
86 60.2 54.2 81.4

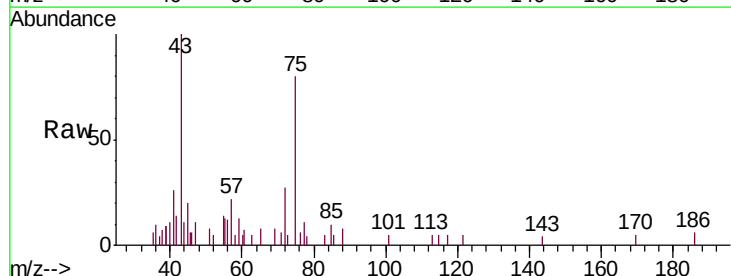


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

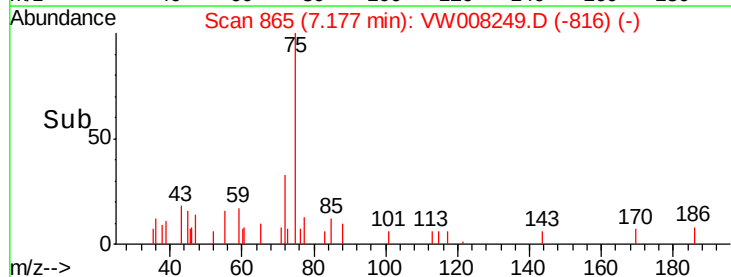
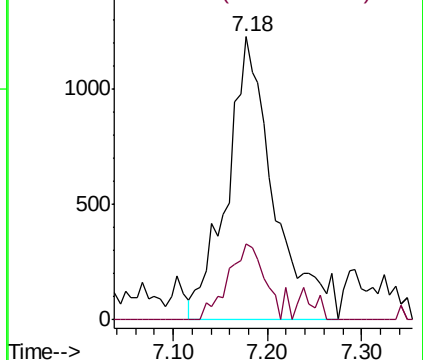


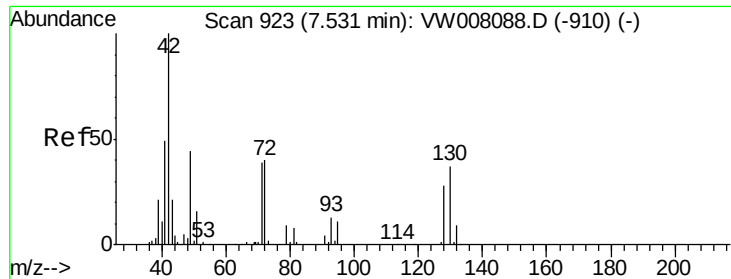
#25
2-Butanone
Concen: 14.233 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion: 43 Resp: 4253
Ion Ratio Lower Upper
43 100
72 26.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

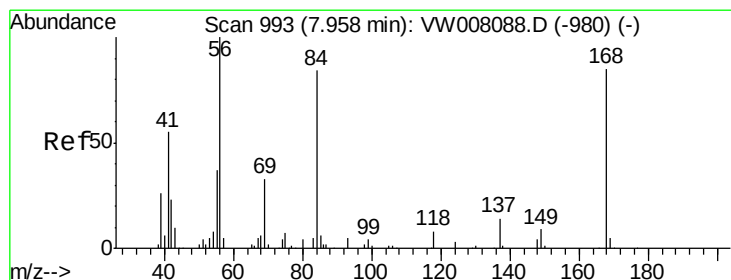
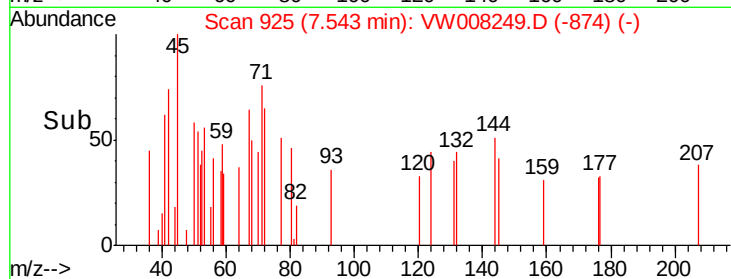
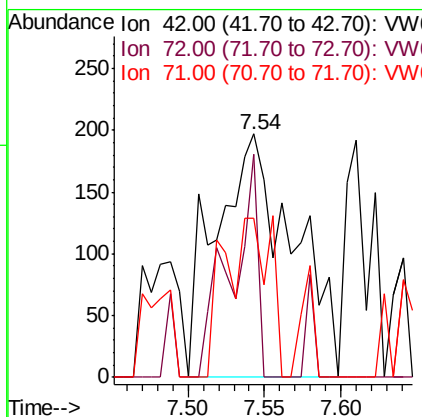
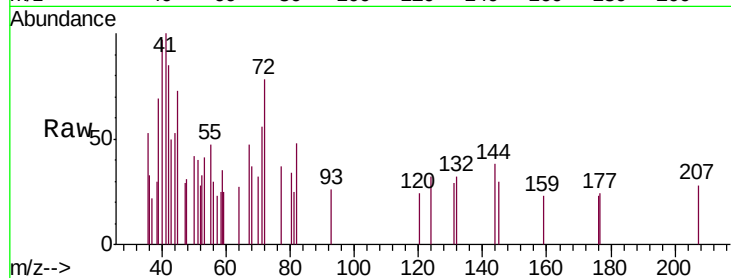




#29
Tetrahydrofuran
Concen: 3.477 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

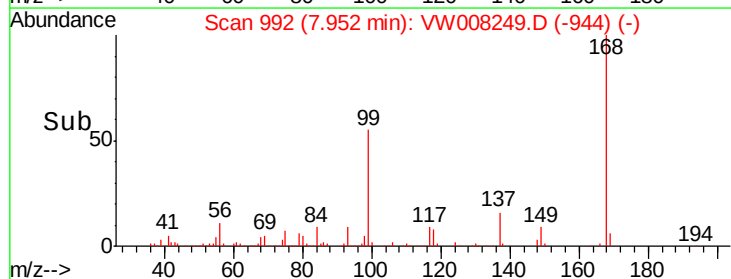
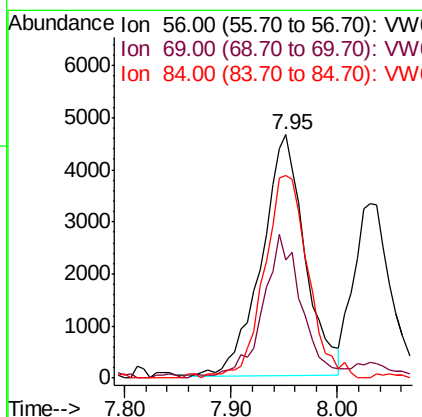
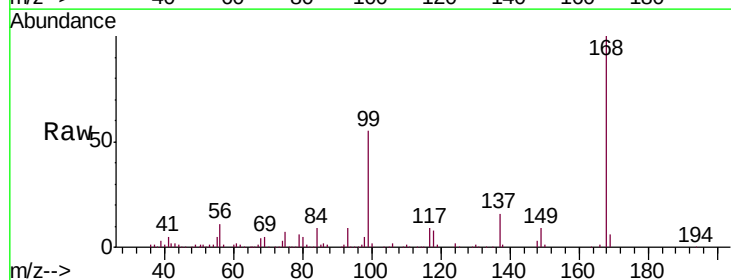
Instrument :
MSVOA_W
ClientSampled :
CPSB-19(15-20)

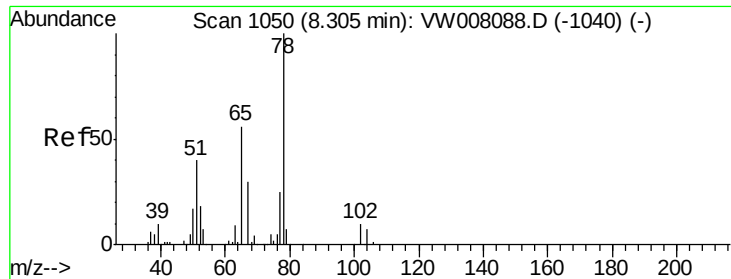
Tgt Ion: 42 Resp: 694
Ion Ratio Lower Upper
42 100
72 15.1 32.4 48.6#
71 24.5 31.3 46.9#



#31
Cyclohexane
Concen: 5.797 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion: 56 Resp: 13102
Ion Ratio Lower Upper
56 100
69 49.4 26.2 39.4#
84 82.7 67.4 101.2

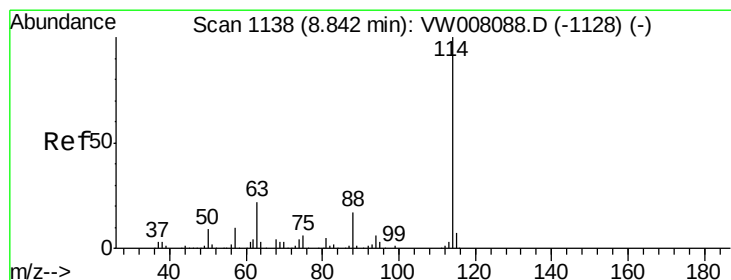
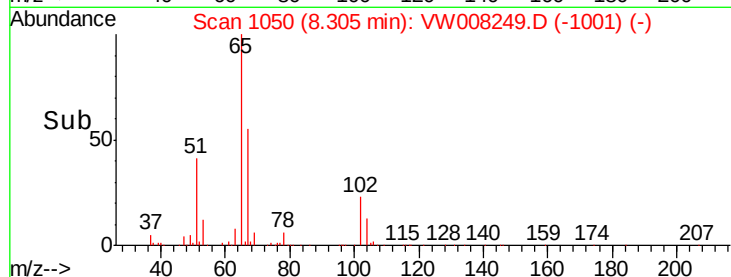
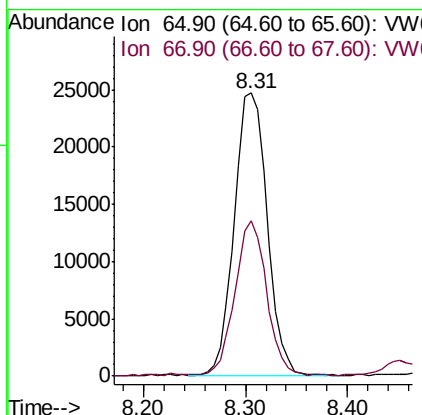
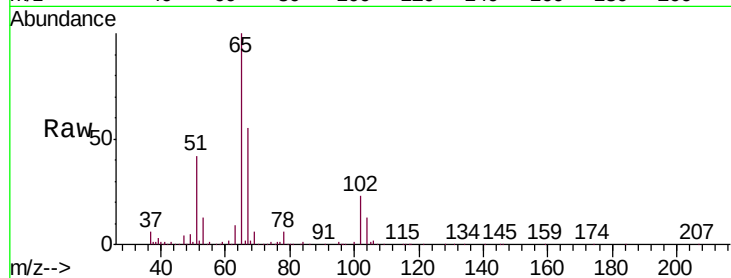




#33
 1,2-Dichloroethane-d4
 Concen: 51.847 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

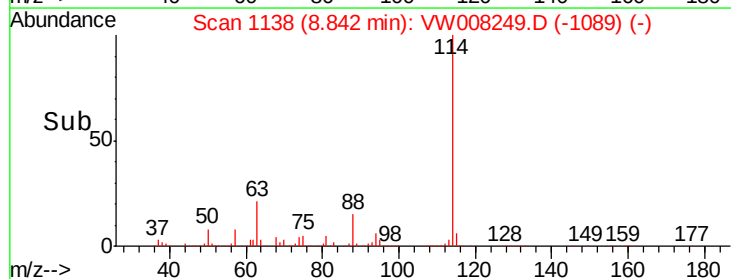
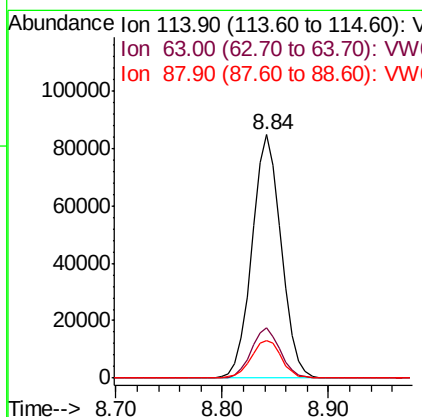
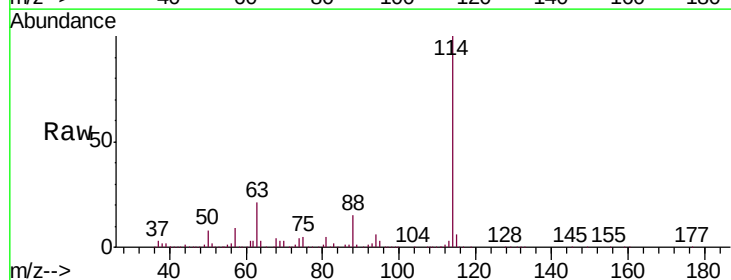
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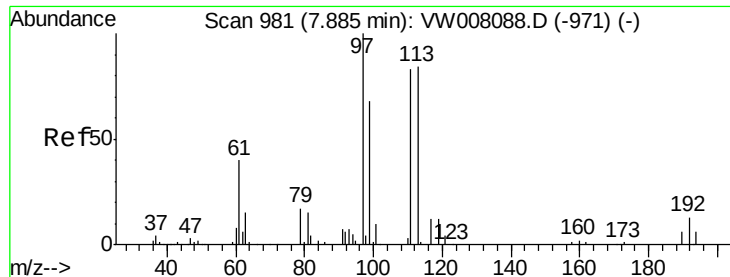
Tgt Ion: 65 Resp: 55683
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Tgt Ion: 114 Resp: 162893
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.4
 88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.757 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

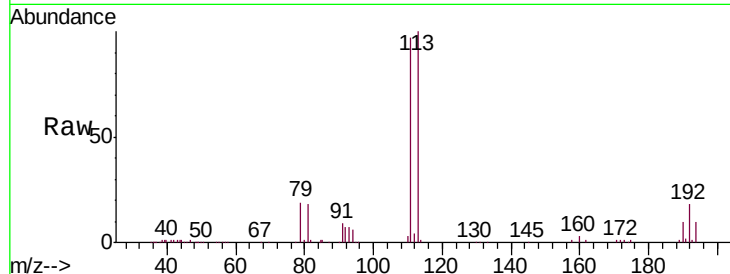
Tgt Ion:113 Resp: 51072

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

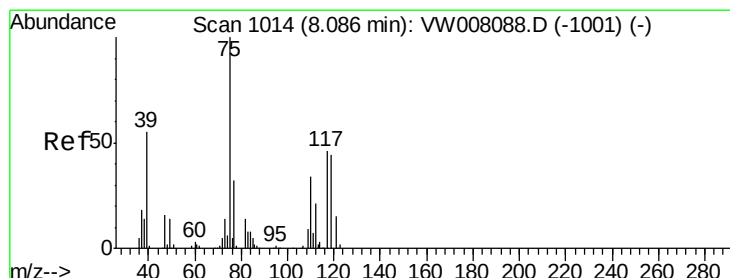
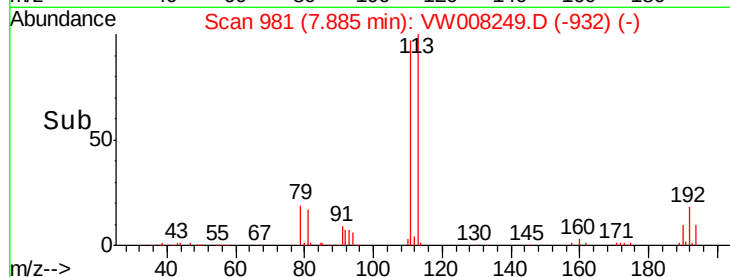
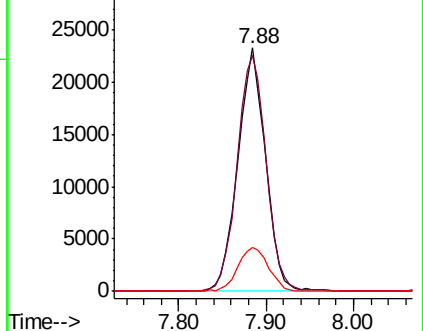
192 20.2 12.8 19.2#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.676 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

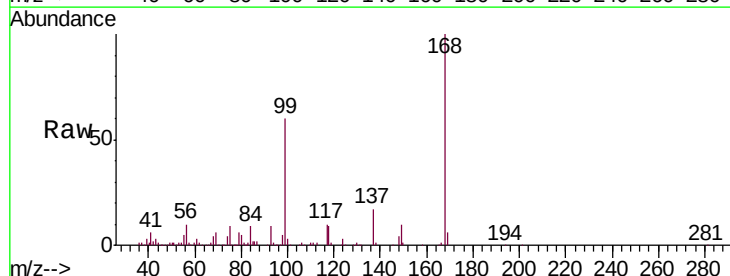
Tgt Ion: 75 Resp: 7846

Ion Ratio Lower Upper

75 100

110 11.6 17.1 51.3#

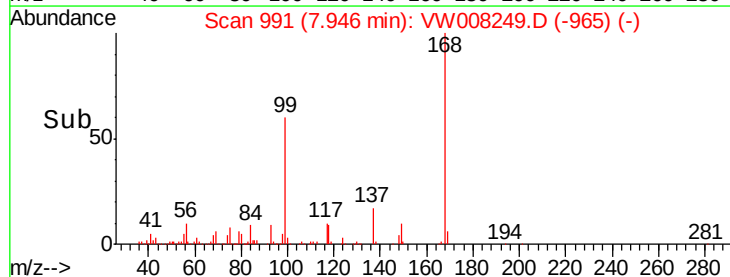
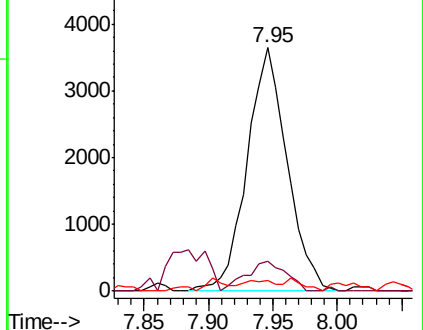
77 1.6 25.5 38.3#

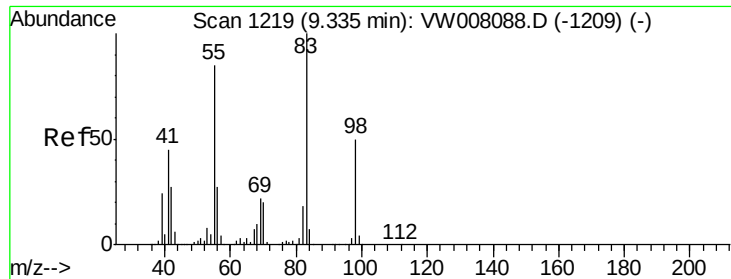


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

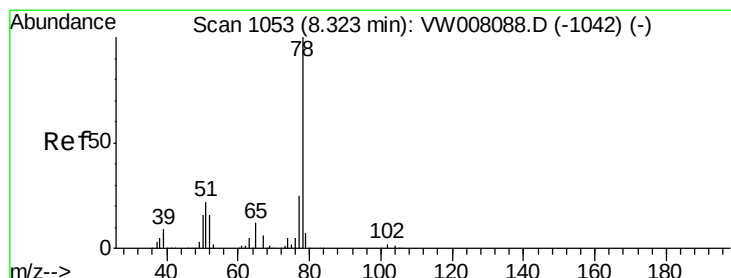
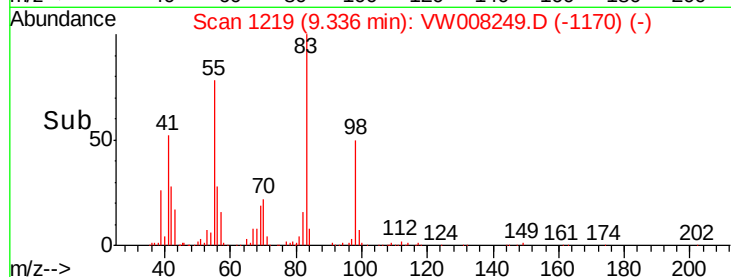
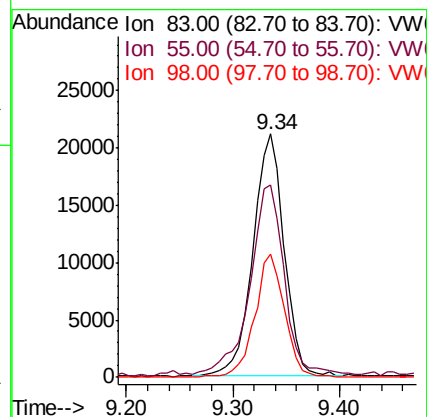
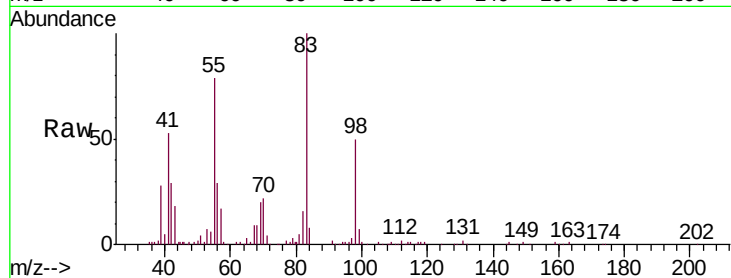




#39
Methylcyclohexane
Concen: 20.412 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

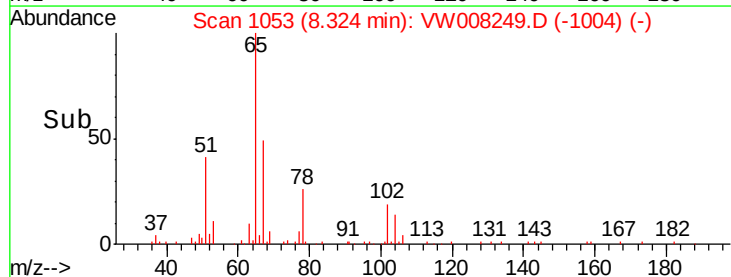
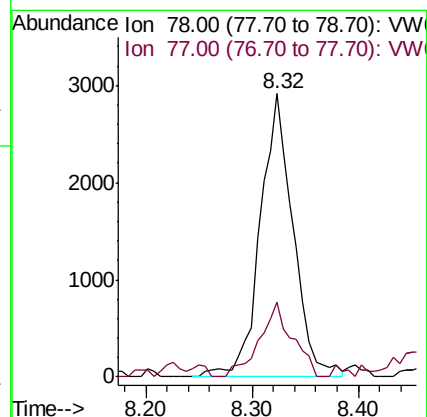
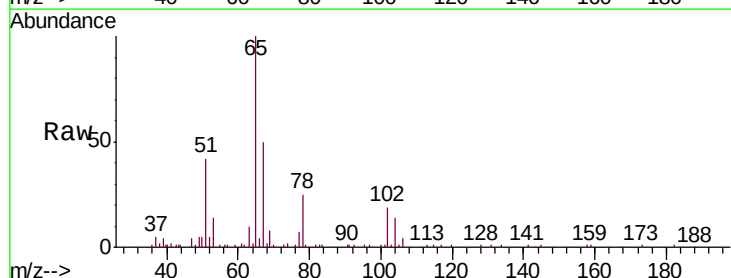
Instrument :
MSVOA_W
ClientSampled :
CPSB-19(15-20)

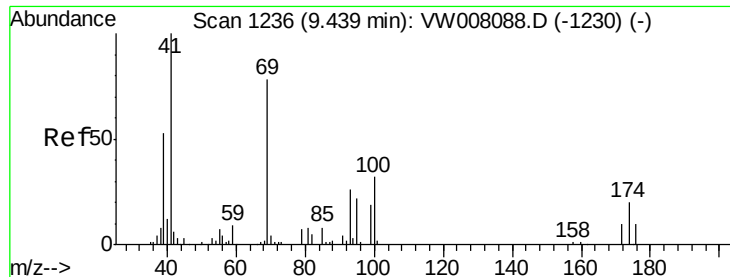
Tgt Ion: 83 Resp: 43429
Ion Ratio Lower Upper
83 100
55 78.5 67.8 101.6
98 50.7 40.2 60.4



#40
Benzene
Concen: 1.390 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion: 78 Resp: 6326
Ion Ratio Lower Upper
78 100
77 24.5 20.2 30.4

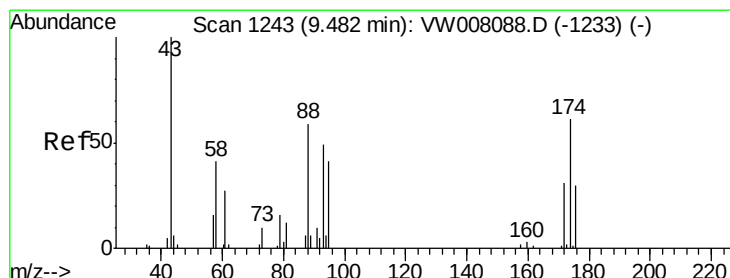
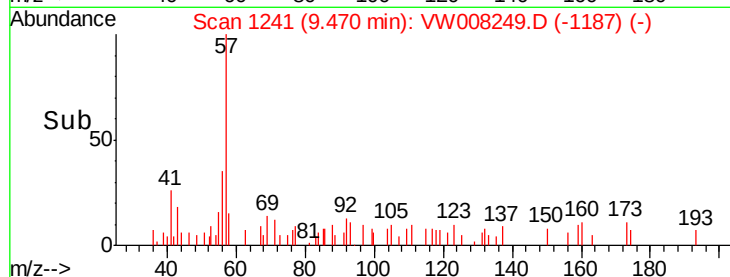
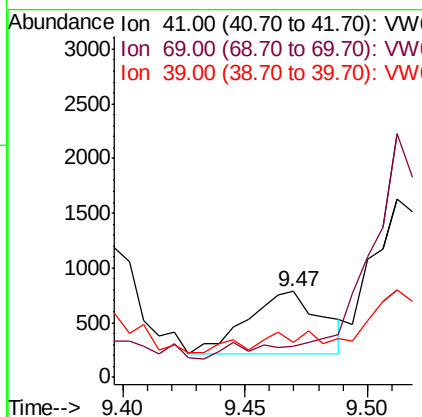
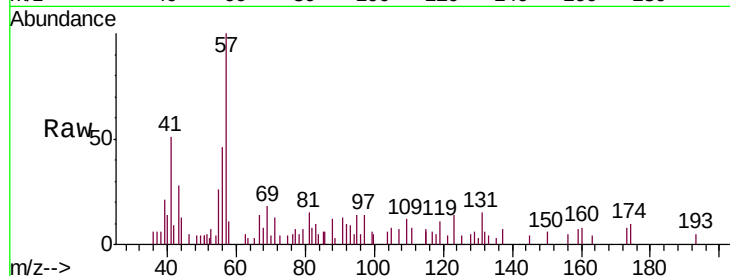




#48
Methyl methacrylate
Concen: 1.887 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

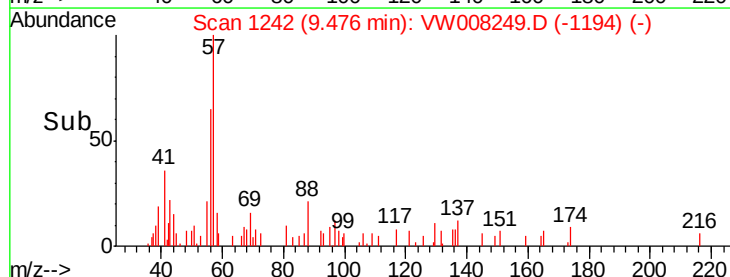
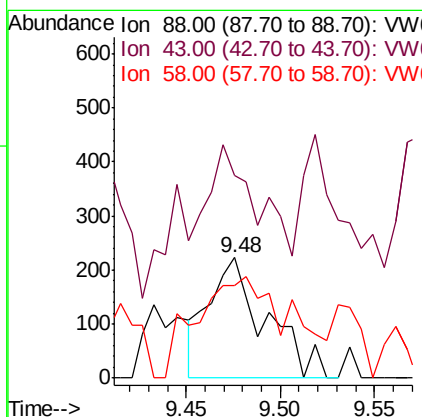
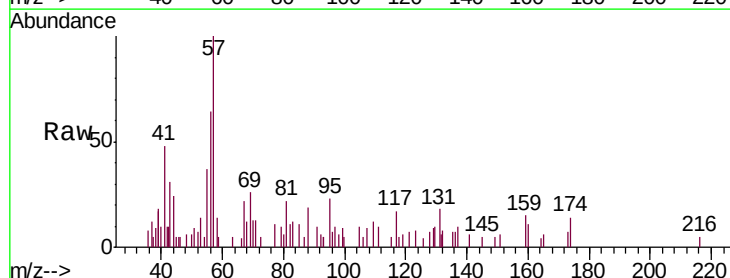
Instrument :
MSVOA_W
ClientSampled :
CPSB-19(15-20)

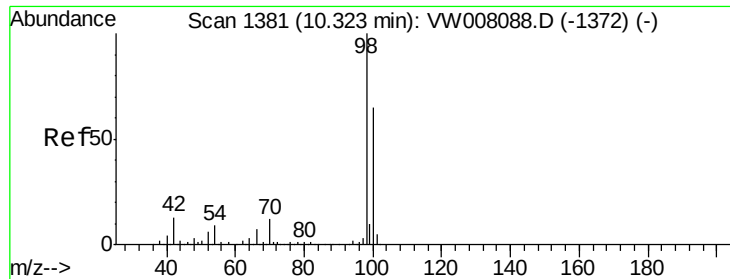
Tgt Ion: 41 Resp: 1197
Ion Ratio Lower Upper
41 100
69 0.0 61.9 92.9#
39 0.0 43.0 64.4#



#49
1,4-Dioxane
Concen: 52.286 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion: 88 Resp: 466
Ion Ratio Lower Upper
88 100
43 106.7 0.0 0.0#
58 138.8 61.7 92.5#

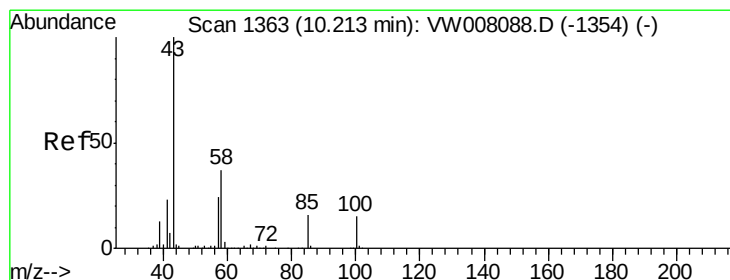
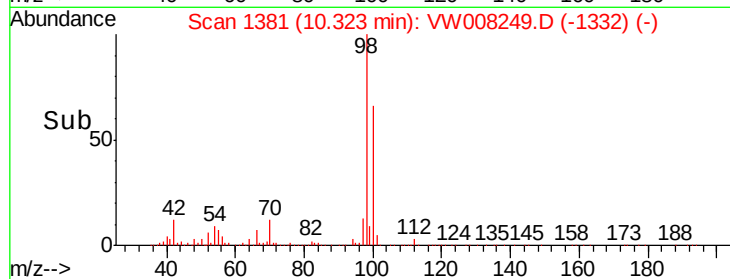
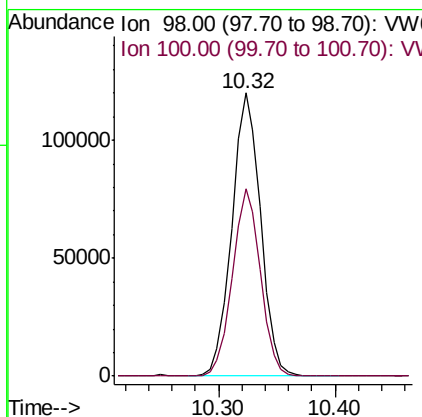
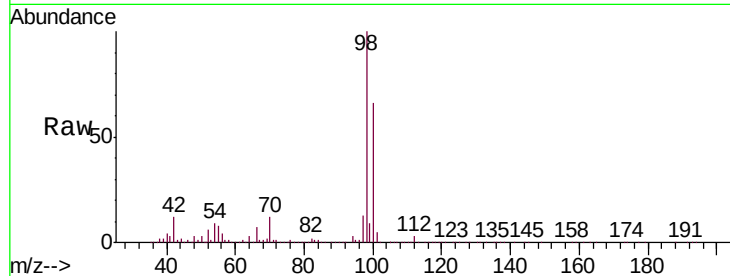




#50
Toluene-d8
Concen: 51.565 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

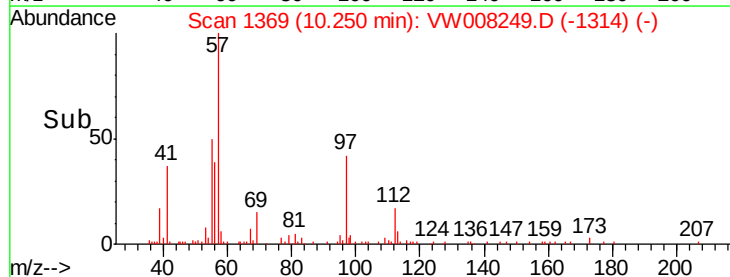
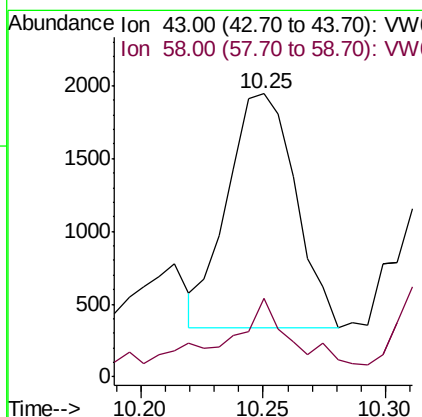
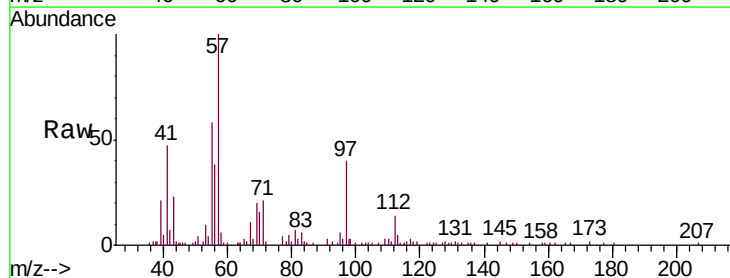
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

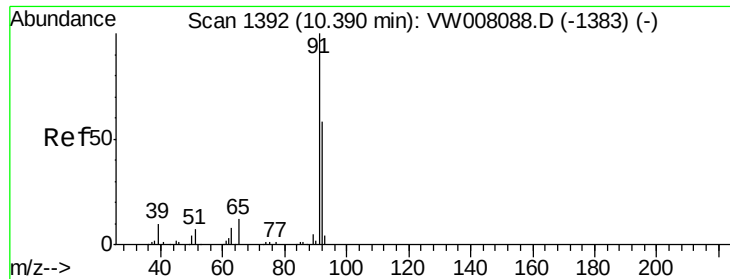
Tgt Ion: 98 Resp: 205581
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 4.762 ug/l
RT: 10.25 min Scan# 1369
Delta R.T. 0.04 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion: 43 Resp: 3098
Ion Ratio Lower Upper
43 100
58 39.7 30.6 46.0





#52

Toluene

Concen: 2.649 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

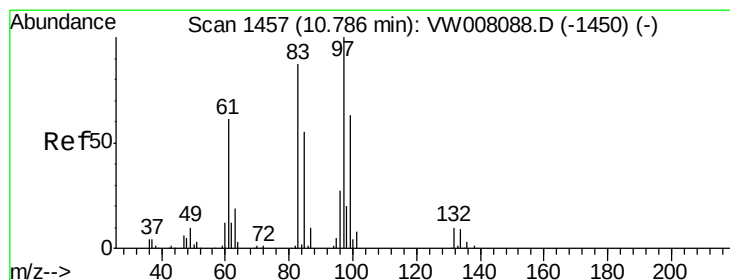
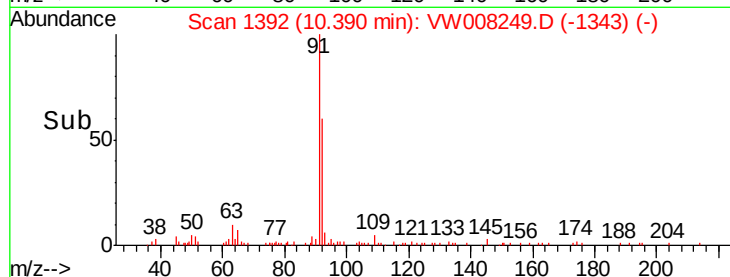
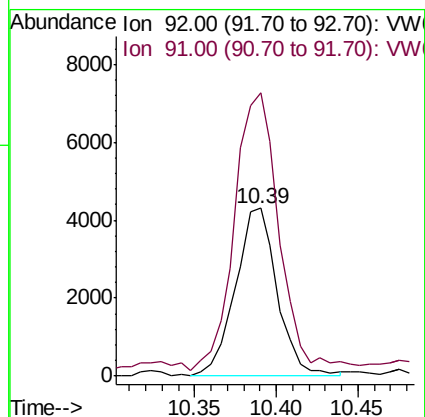
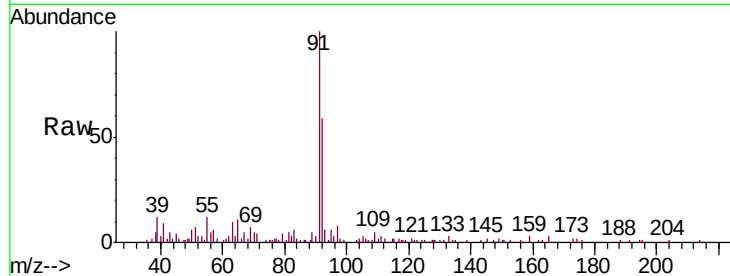
CPSB-19(15-20)

Tgt Ion: 92 Resp: 7698

Ion Ratio Lower Upper

92 100

91 176.5 137.0 205.4



#55

1,1,2-Trichloroethane

Concen: 11.121 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Tgt Ion: 97 Resp: 8653

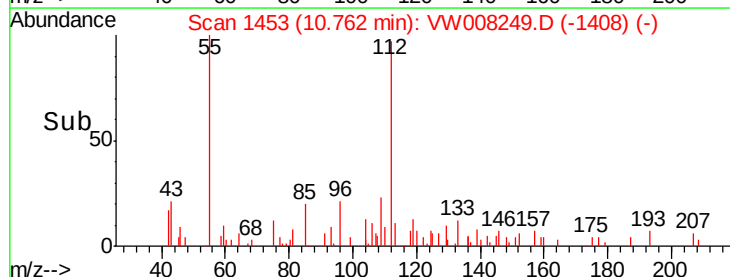
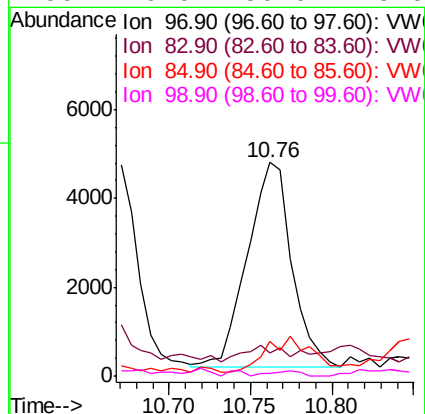
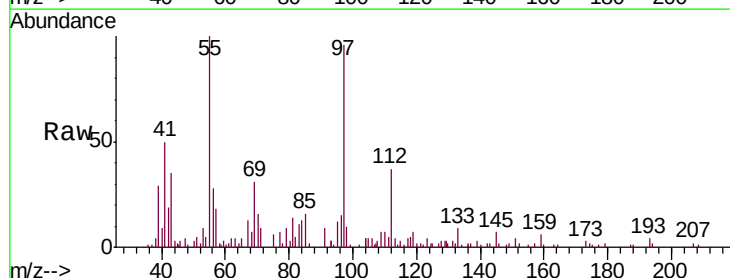
Ion Ratio Lower Upper

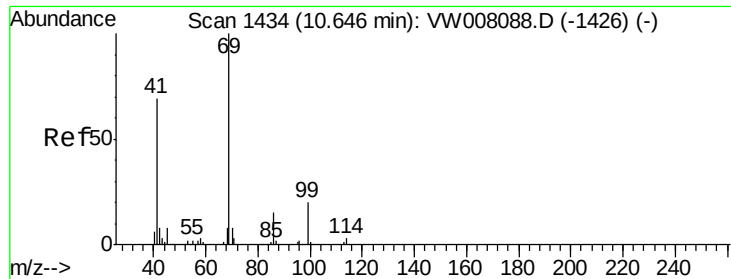
97 100

83 2.2 69.3 103.9#

85 15.1 43.8 65.6#

99 0.0 50.0 75.0#





#56

Ethyl methacrylate

Concen: 3.232 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

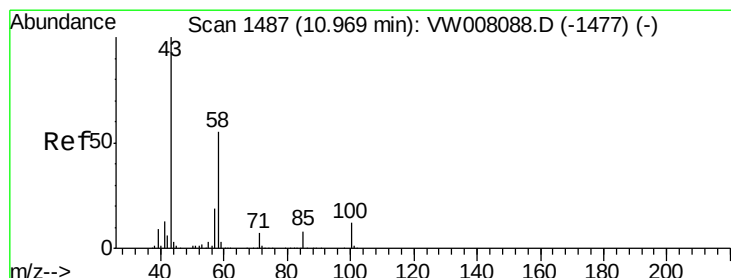
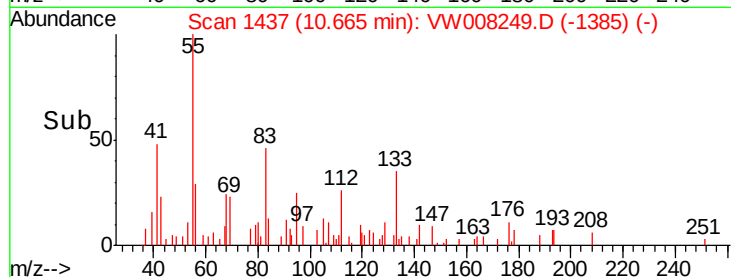
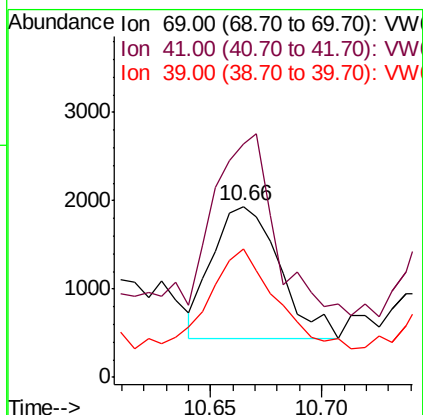
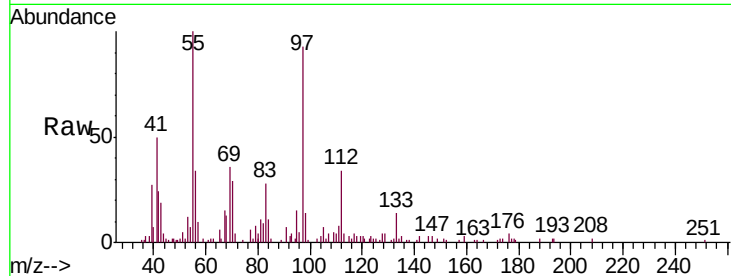
Tgt Ion: 69 Resp: 3114

Ion Ratio Lower Upper

69 100

41 142.3 56.4 84.6#

39 77.3 28.1 42.1#



#59

2-Hexanone

Concen: 18.219 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW008249.D

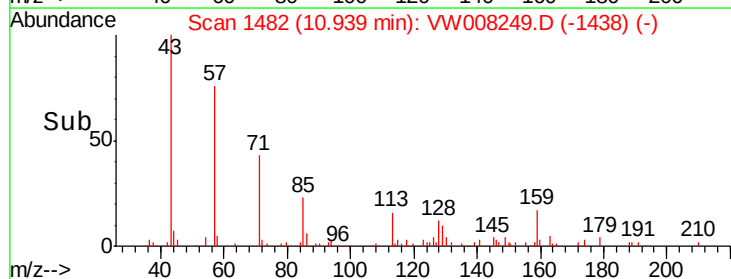
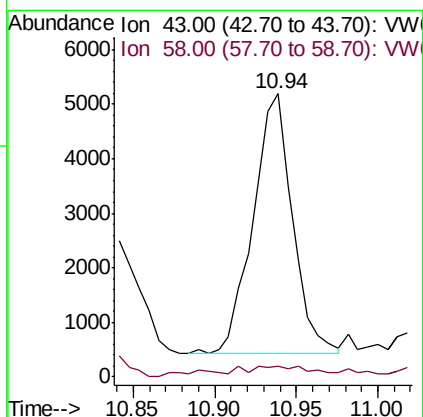
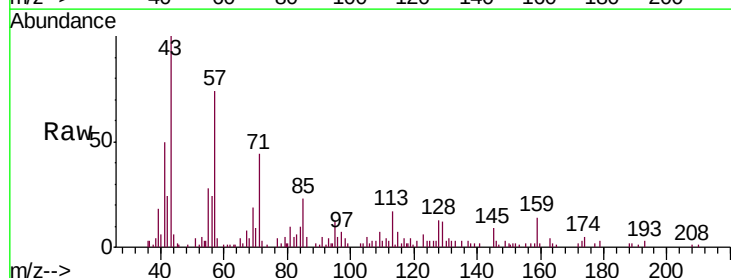
Acq: 14 Jan 2019 16:11

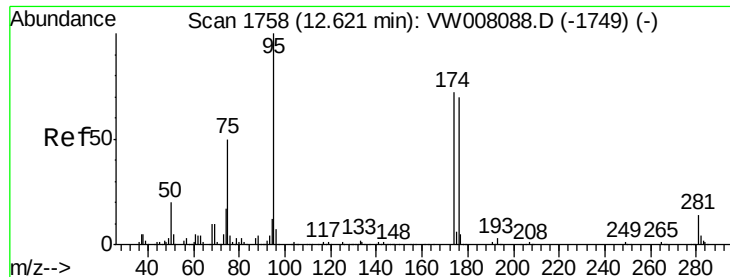
Tgt Ion: 43 Resp: 8016

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

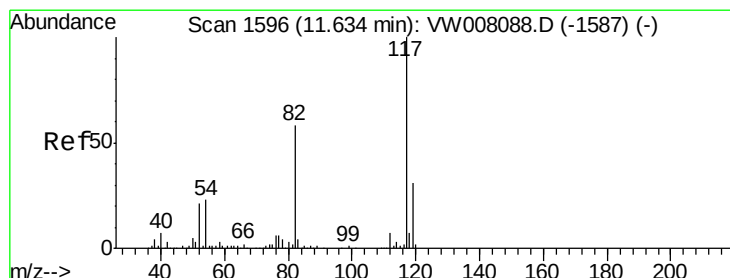
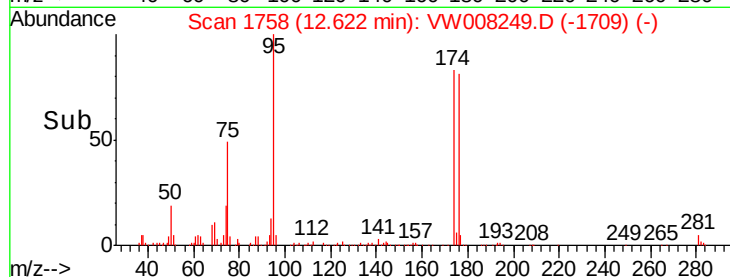
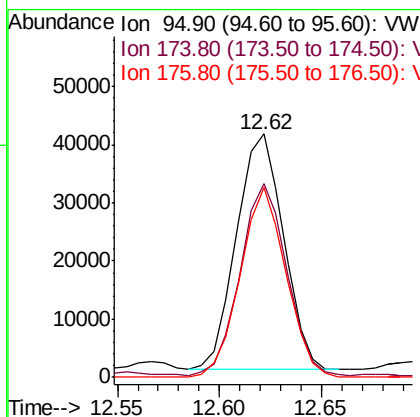
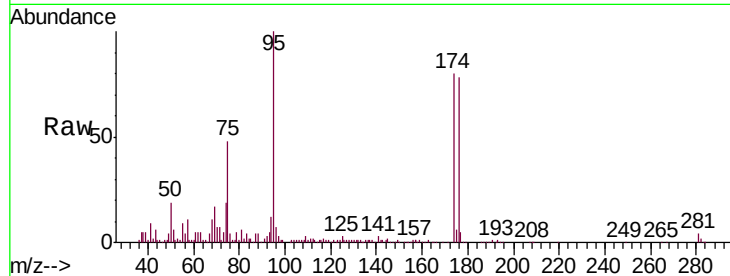




#62
4-Bromofluorobenzene
Concen: 45.364 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

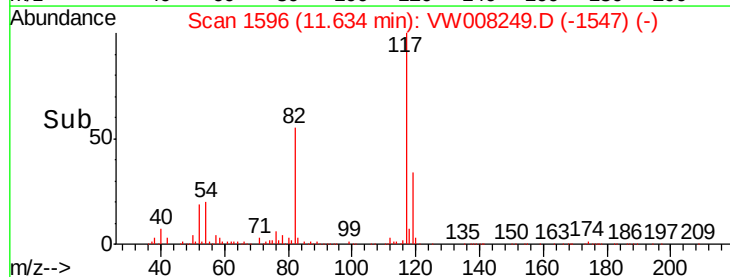
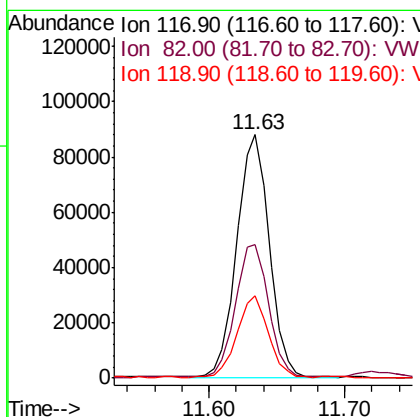
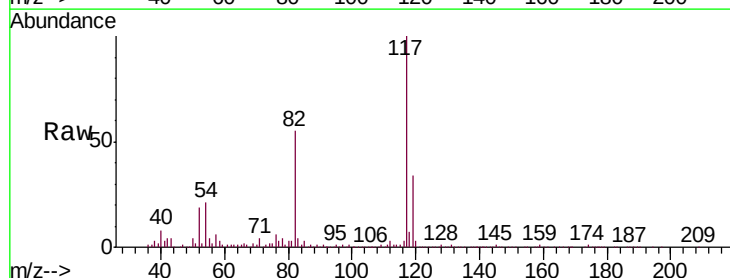
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

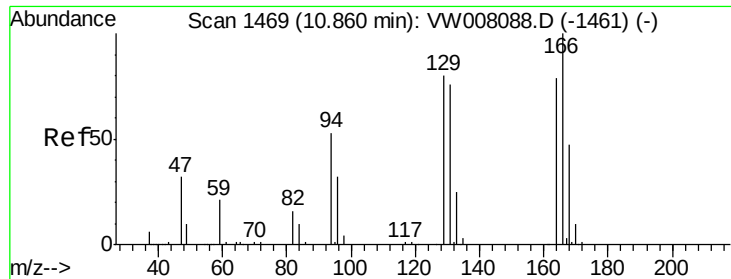
Tgt Ion: 95 Resp: 64837
Ion Ratio Lower Upper
95 100
174 80.2 0.0 143.0
176 78.6 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion: 117 Resp: 145963
Ion Ratio Lower Upper
117 100
82 54.8 46.4 69.6
119 33.5 24.7 37.1





#64

Tetrachloroethene

Concen: 1.218 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tgt Ion:164 Resp: 1157

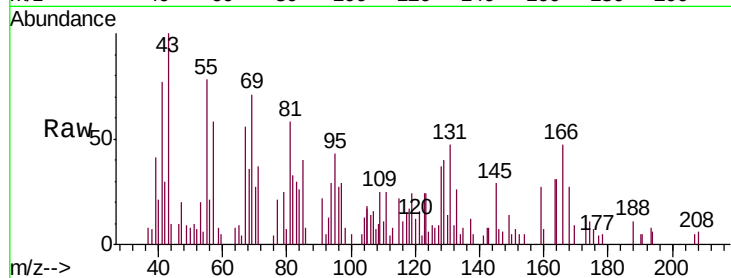
Ion Ratio Lower Upper

164 100

166 76.3 100.7 151.1#

129 35.5 81.0 121.4#

131 44.0 76.1 114.1#



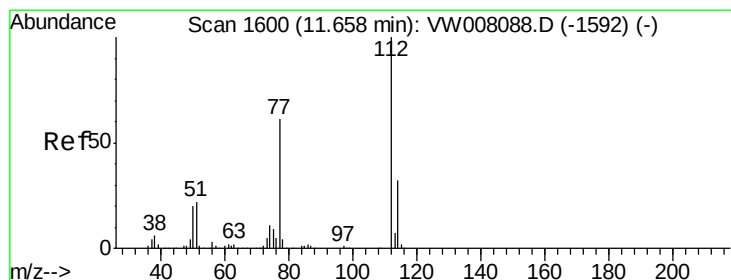
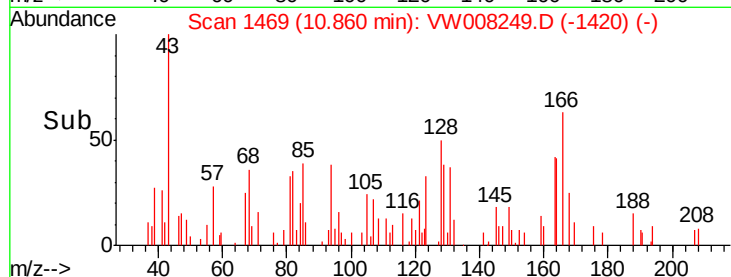
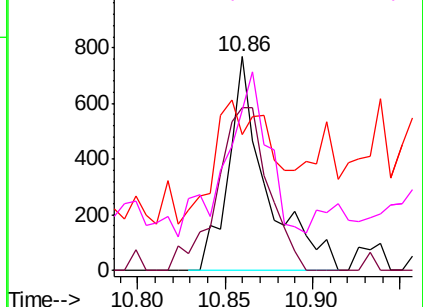
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 13.724 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008249.D

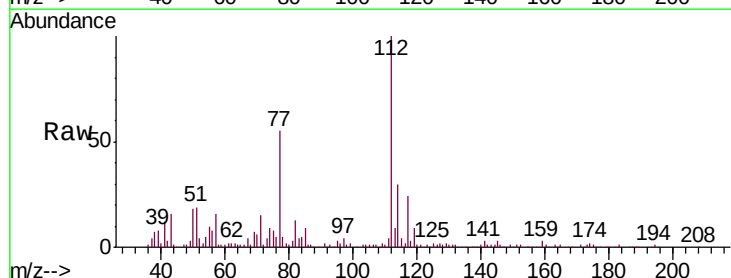
Acq: 14 Jan 2019 16:11

Tgt Ion:112 Resp: 42440

Ion Ratio Lower Upper

112 100

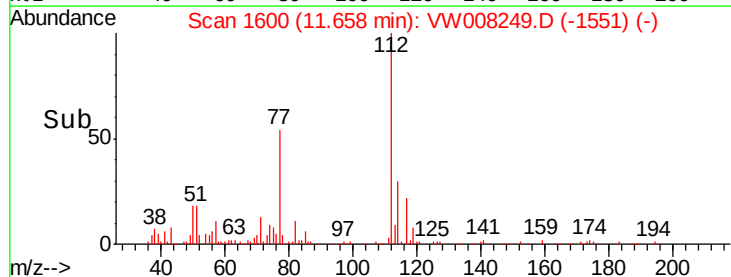
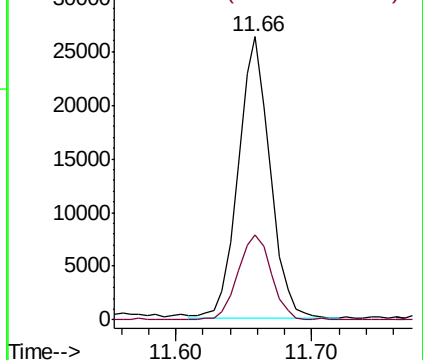
114 30.2 25.6 38.4

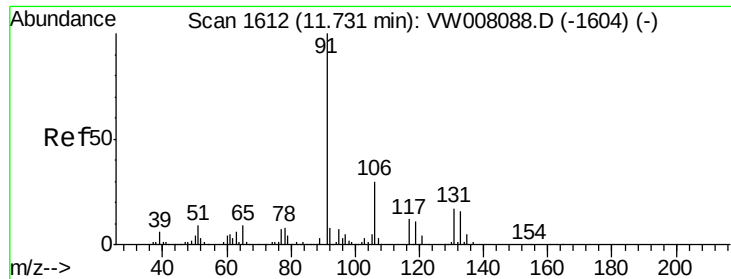


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

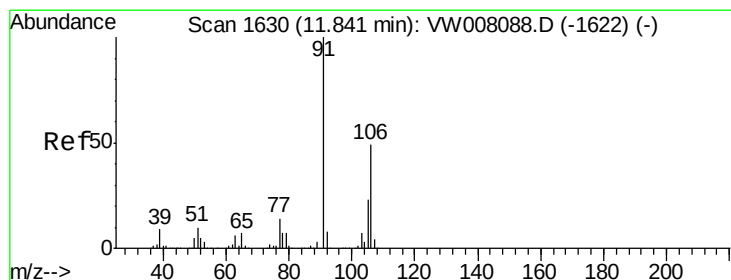
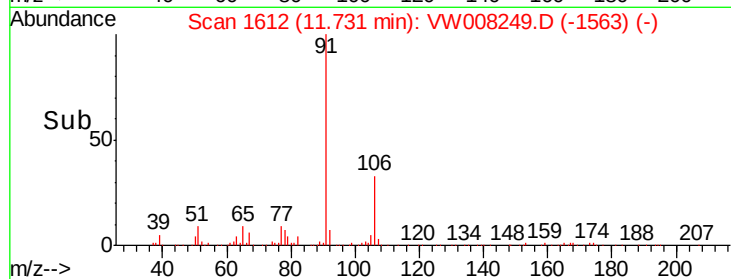
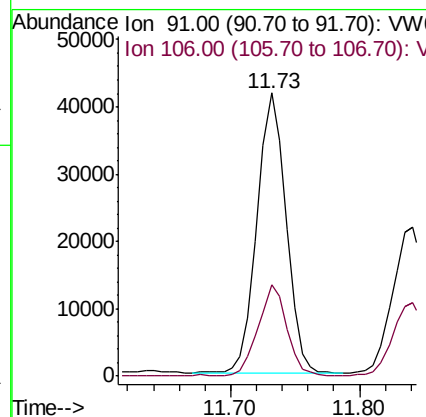
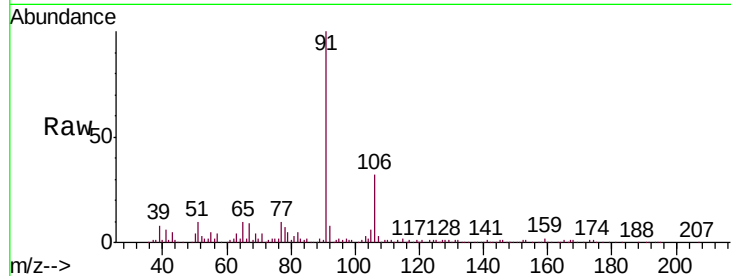




#67
Ethyl Benzene
Concen: 11.425 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

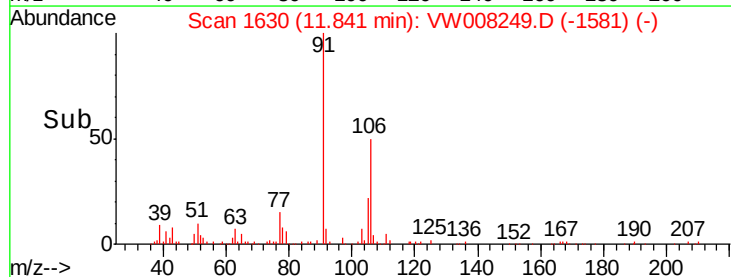
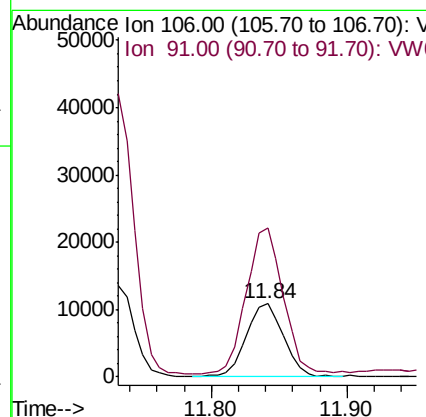
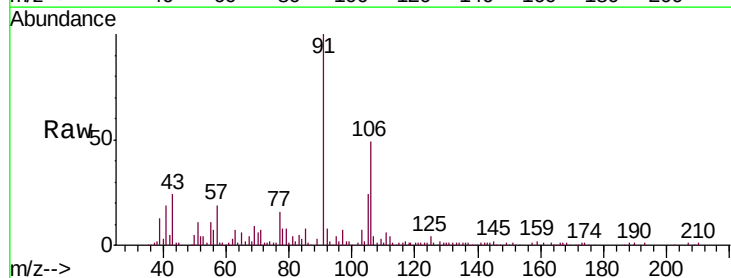
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

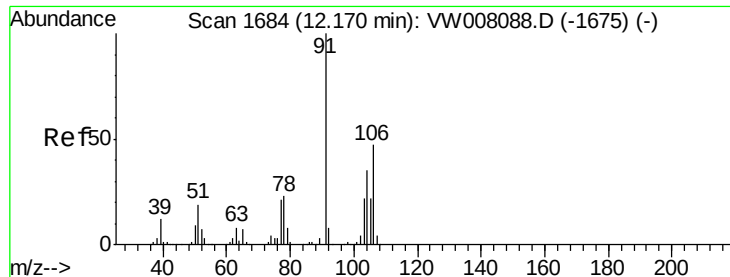
Tgt Ion: 91 Resp: 64642
Ion Ratio Lower Upper
91 100
106 32.8 24.2 36.4



#68
m/p-Xylenes
Concen: 9.749 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion: 106 Resp: 21054
Ion Ratio Lower Upper
106 100
91 193.9 162.4 243.6

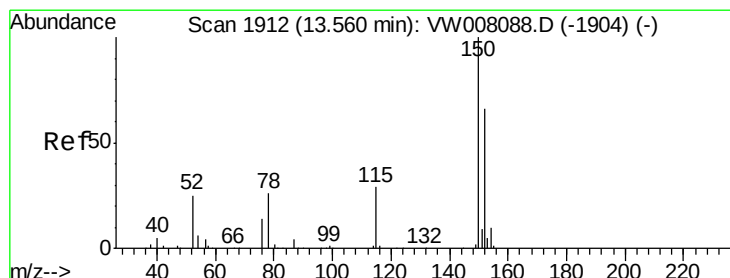
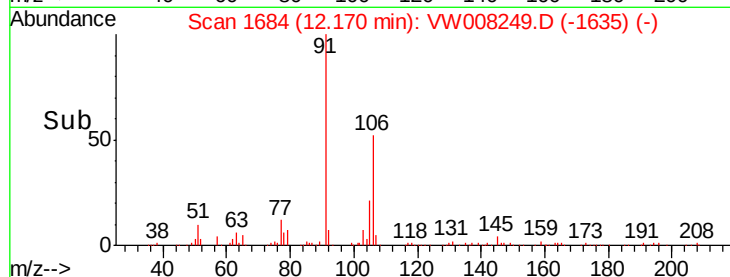
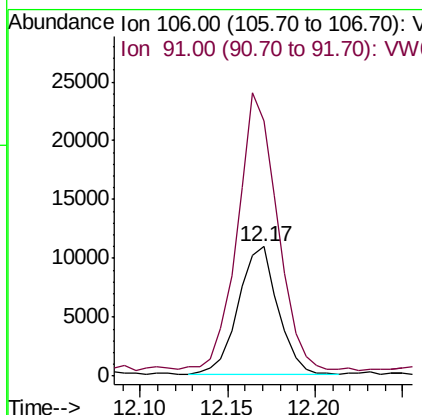
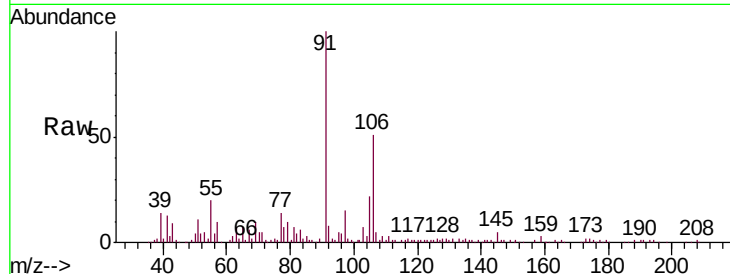




#69
o-Xylene
Concen: 8.621 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

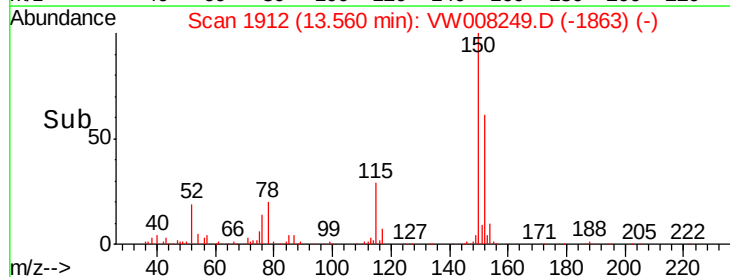
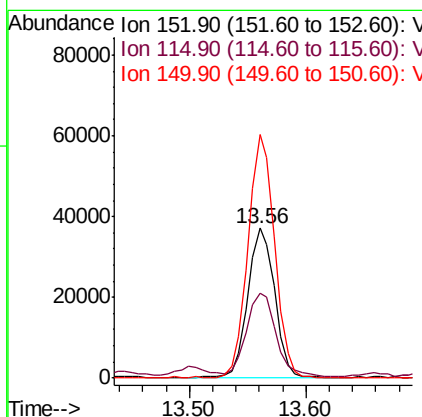
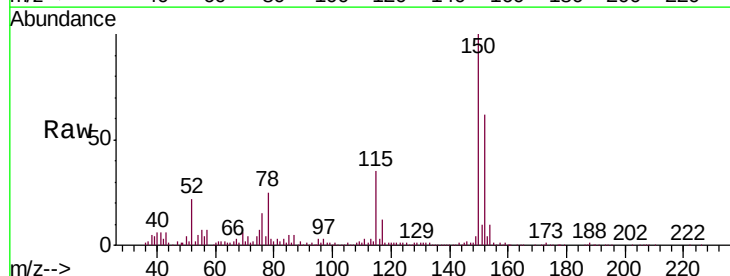
Instrument :
MSVOA_W
ClientSampled :
CPSB-19(15-20)

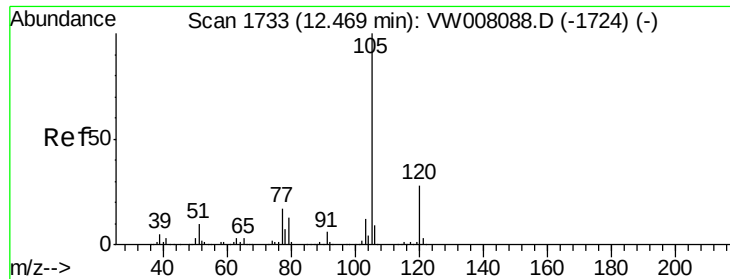
Tgt Ion:106 Resp: 17242
Ion Ratio Lower Upper
106 100
91 214.4 107.8 323.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion:152 Resp: 60116
Ion Ratio Lower Upper
152 100
115 60.4 30.8 92.4
150 159.2 0.0 350.2





#73

Isopropylbenzene

Concen: 7.286 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

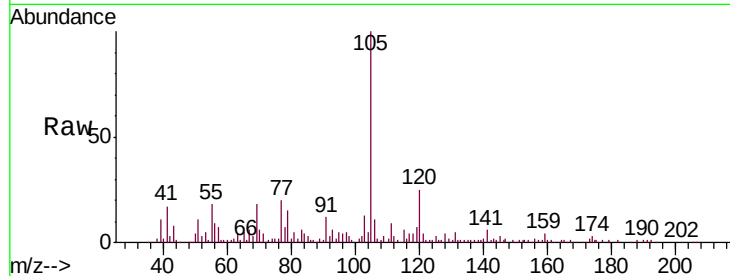
CPSB-19(15-20)

Tgt Ion:105 Resp: 34387

Ion Ratio Lower Upper

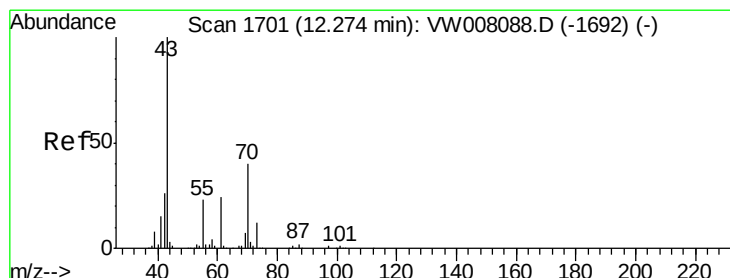
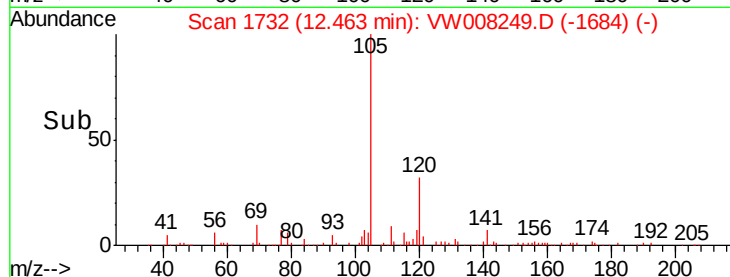
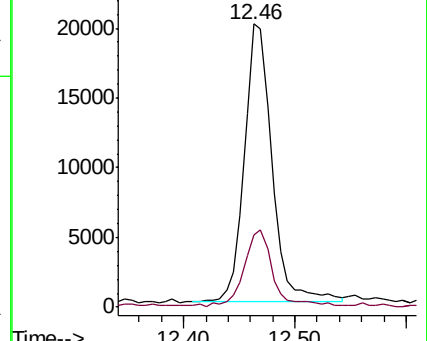
105 100

120 28.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 13.707 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Tgt Ion: 43 Resp: 14326

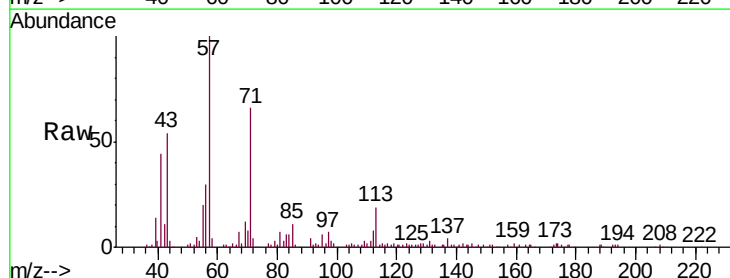
Ion Ratio Lower Upper

43 100

70 18.9 32.4 48.6#

55 0.0 18.7 28.1#

61 0.0 19.0 28.6#

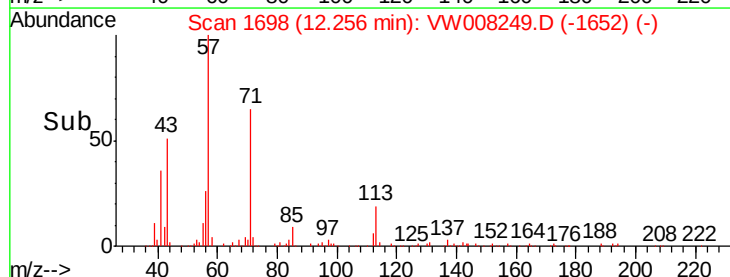
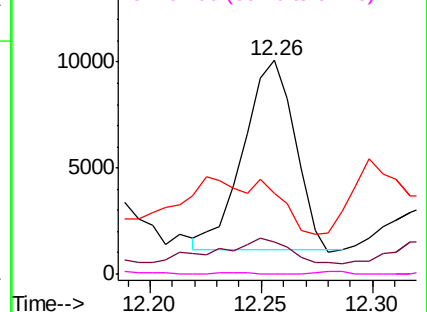


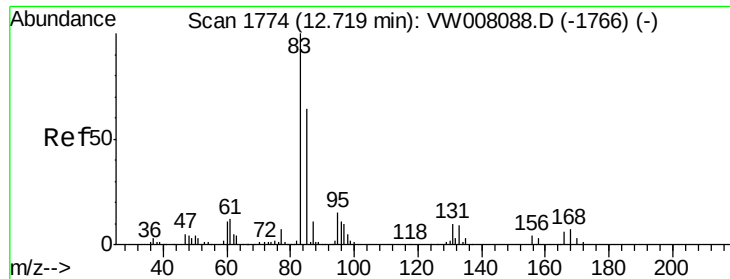
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 4.049 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

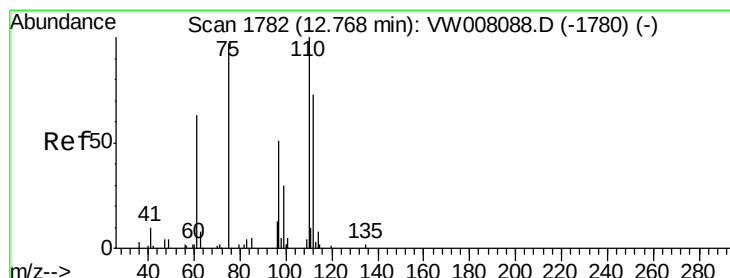
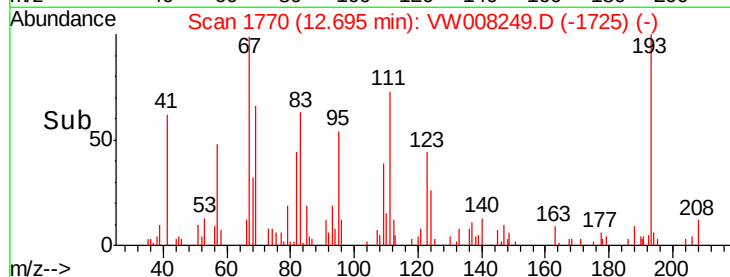
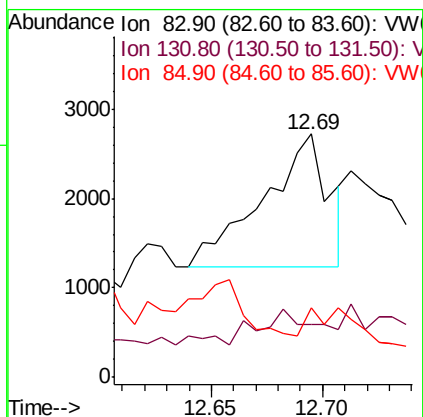
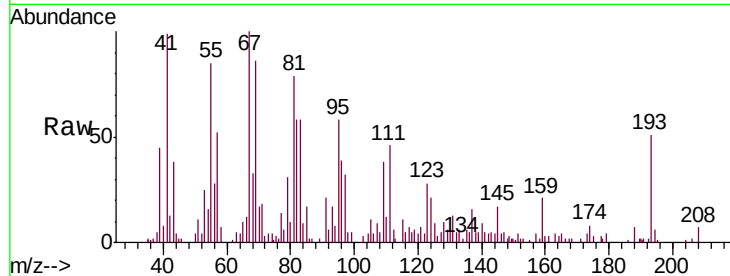
Tgt Ion: 83 Resp: 3059

Ion Ratio Lower Upper

83 100

131 21.0 5.3 16.1#

85 20.3 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 60.145 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008249.D

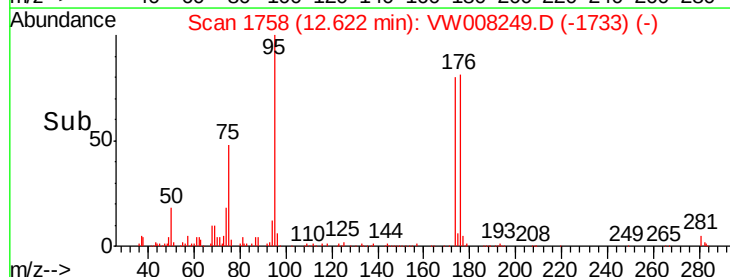
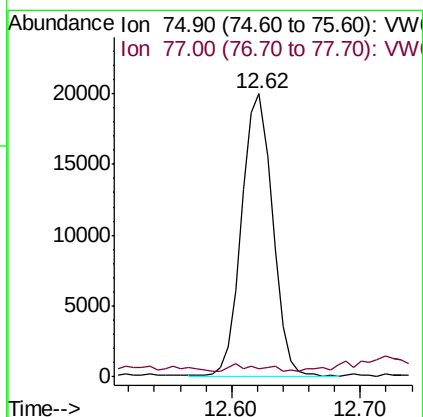
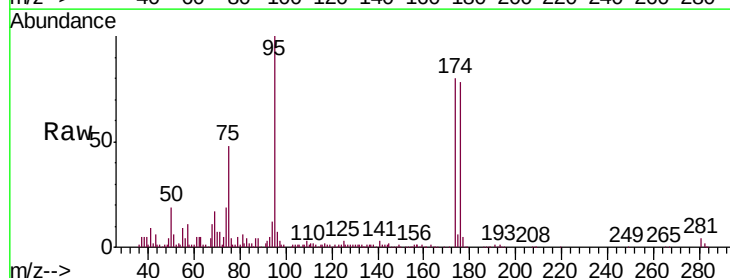
Acq: 14 Jan 2019 16:11

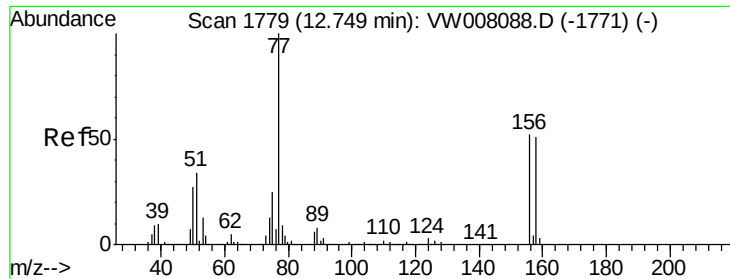
Tgt Ion: 75 Resp: 32961

Ion Ratio Lower Upper

75 100

77 2.3 179.4 538.2#





#77

Bromobenzene

Concen: 8.120 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

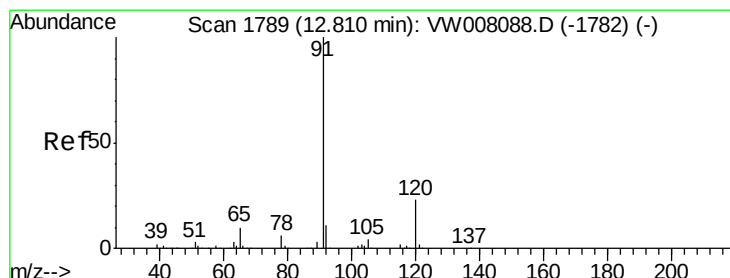
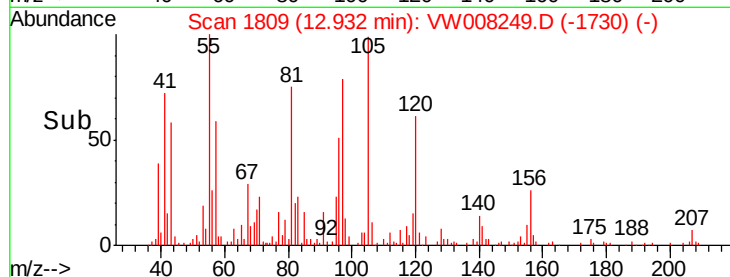
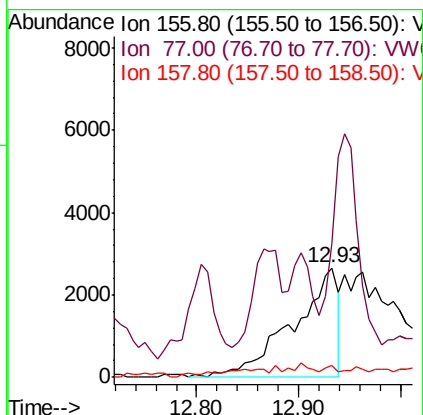
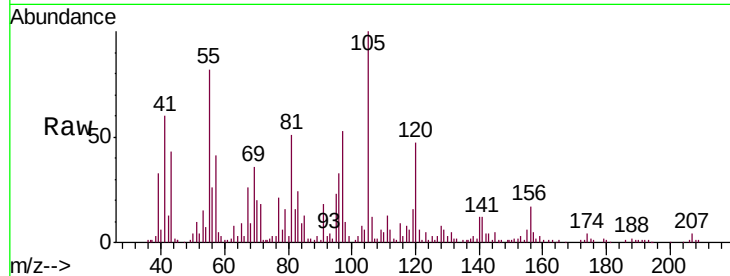
Tgt Ion:156 Resp: 8098

Ion Ratio Lower Upper

156 100

77 0.0 104.2 312.5#

158 1.5 47.9 143.6#



#78

n-propylbenzene

Concen: 13.150 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008249.D

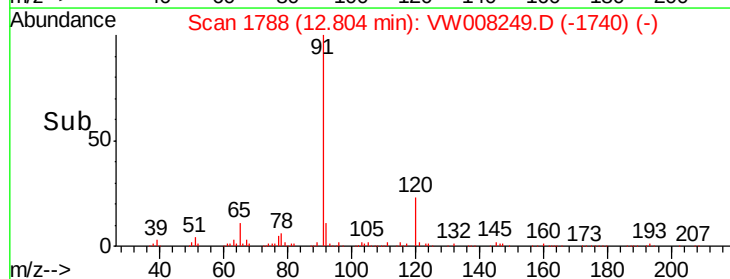
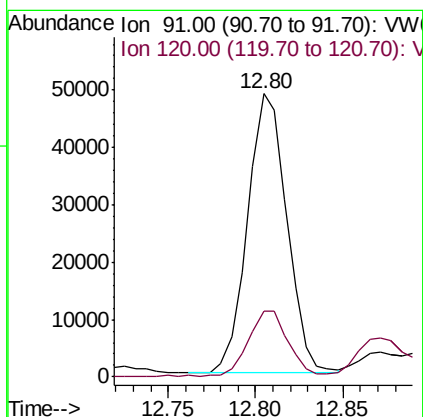
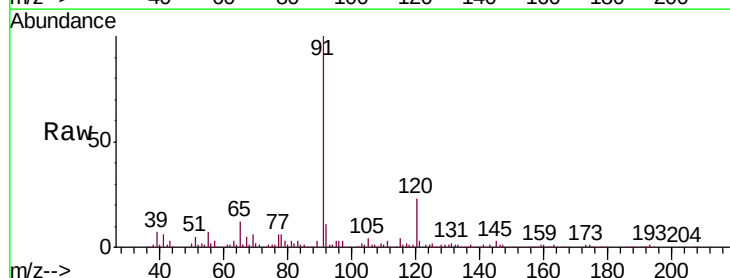
Acq: 14 Jan 2019 16:11

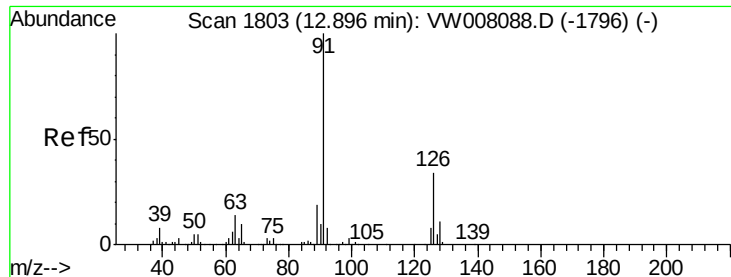
Tgt Ion: 91 Resp: 76045

Ion Ratio Lower Upper

91 100

120 23.6 11.3 33.8

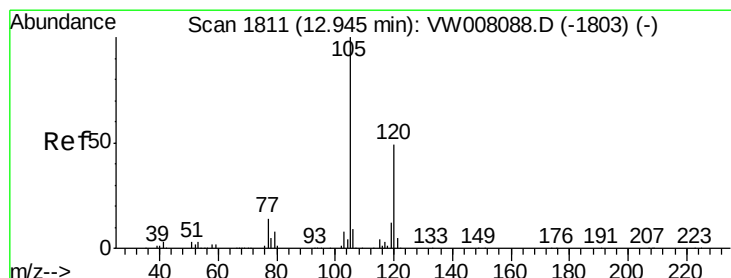
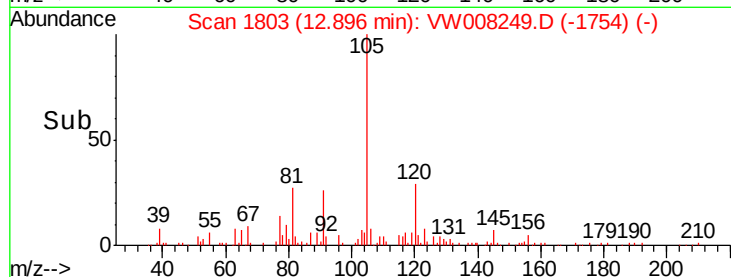
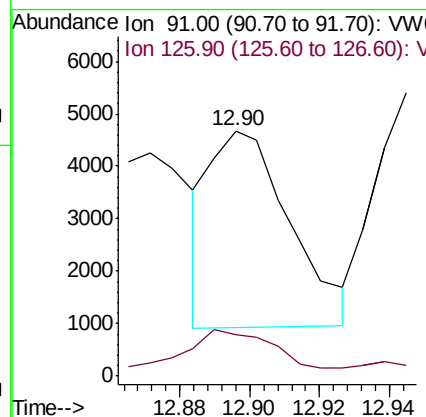
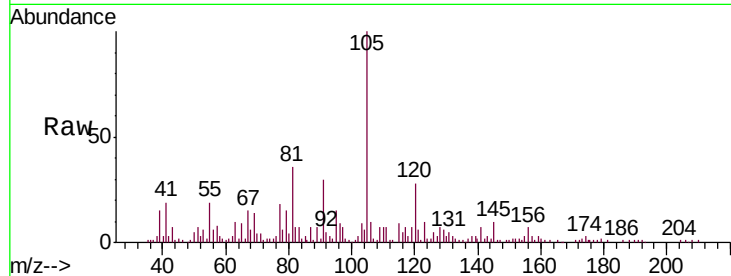




#79
 2-Chlorotoluene
 Concen: 1.835 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

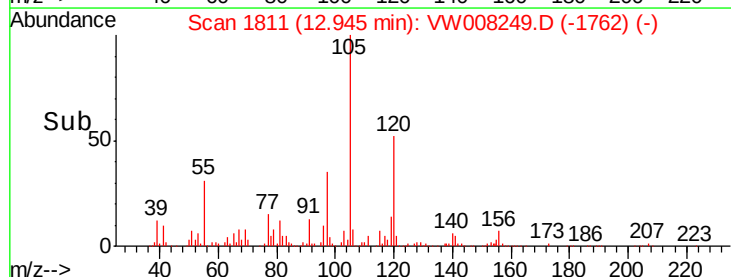
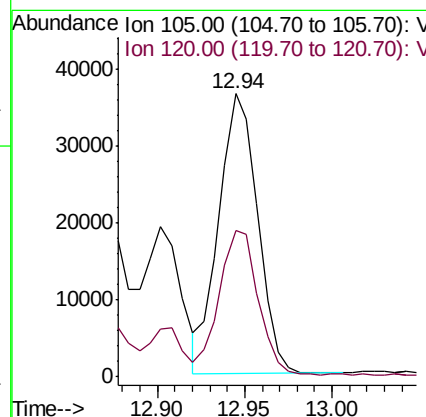
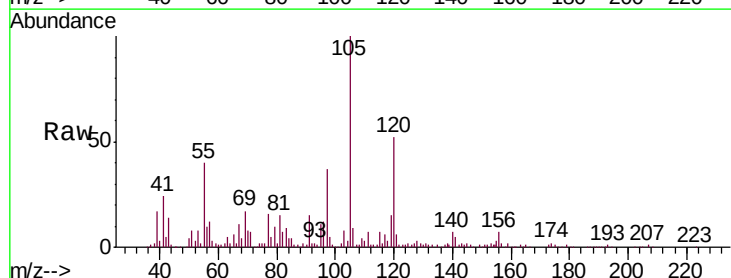
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

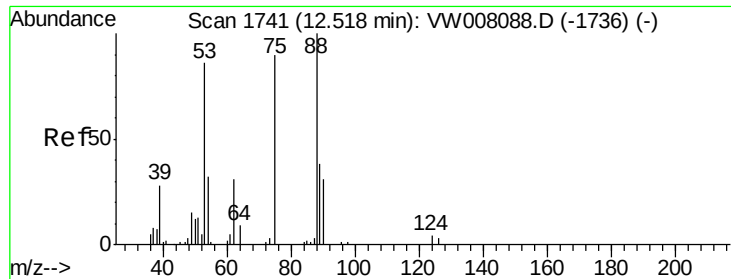
Tgt Ion: 91 Resp: 5919
 Ion Ratio Lower Upper
 91 100
 126 25.4 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 14.503 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Tgt Ion: 105 Resp: 56247
 Ion Ratio Lower Upper
 105 100
 120 51.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 4.423 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

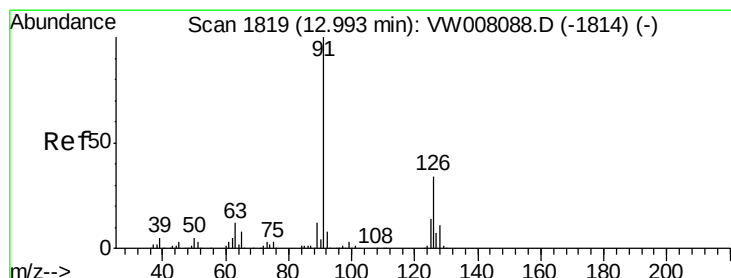
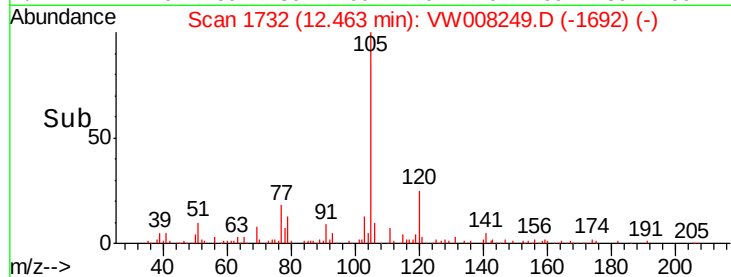
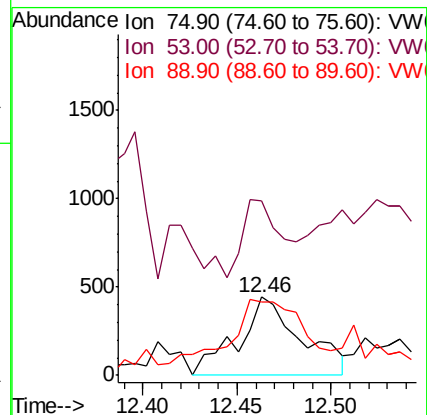
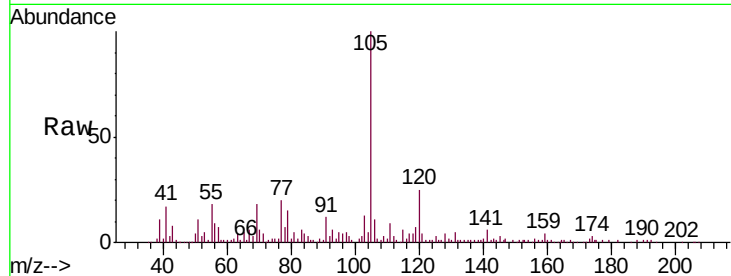
Tgt Ion: 75 Resp: 1041

Ion Ratio Lower Upper

75 100

53 59.9 78.8 118.2#

89 98.5 35.4 53.2#



#82

4-Chlorotoluene

Concen: 1.743 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.10 min

Lab File: VW008249.D

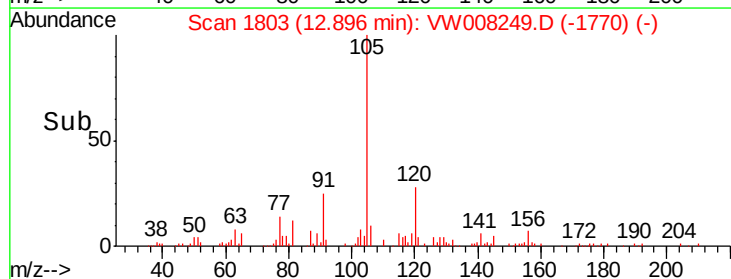
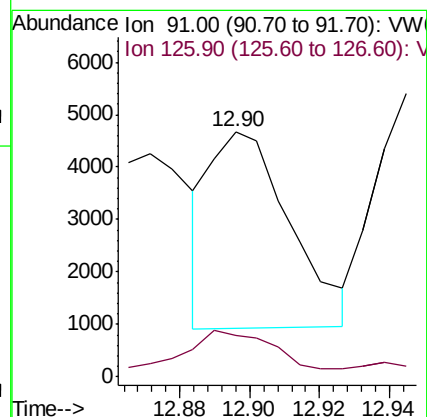
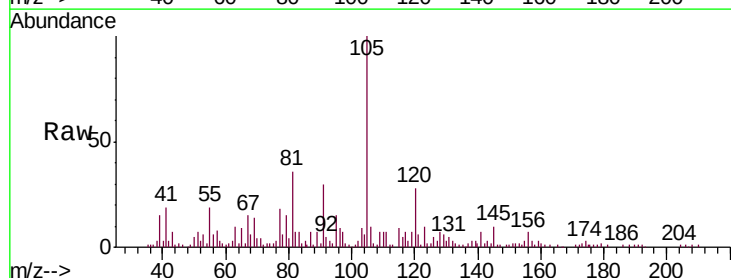
Acq: 14 Jan 2019 16:11

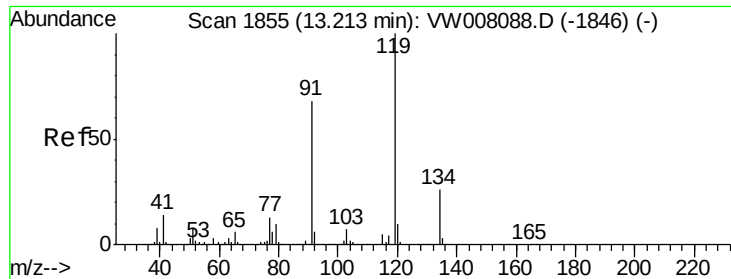
Tgt Ion: 91 Resp: 5924

Ion Ratio Lower Upper

91 100

126 25.4 16.5 49.5

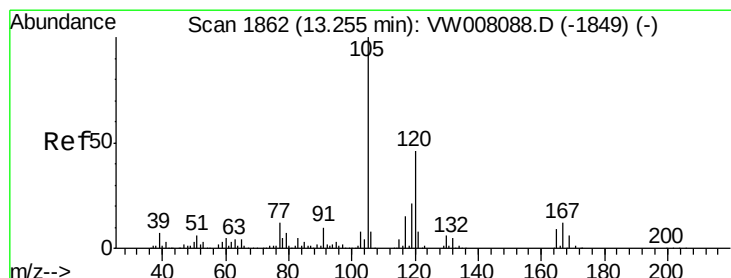
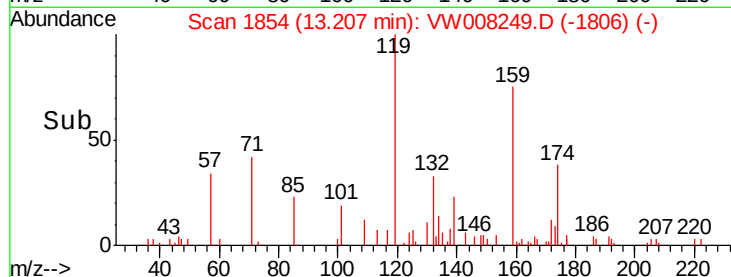
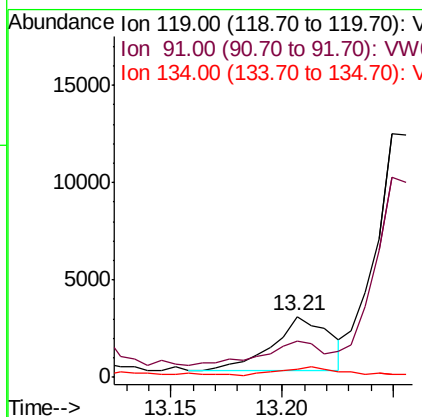
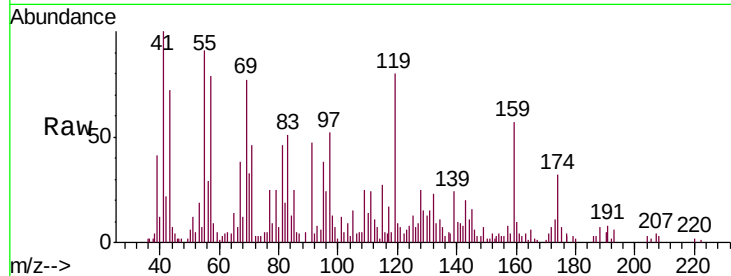




#83
tert-Butylbenzene
Concen: 1.462 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

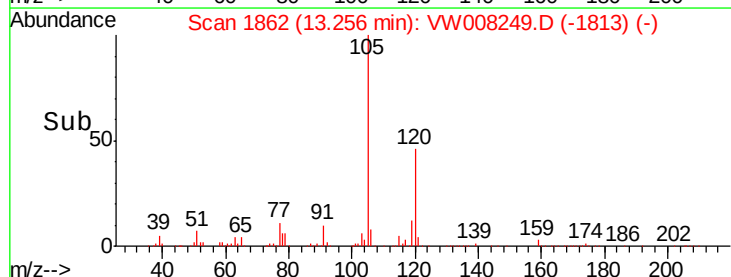
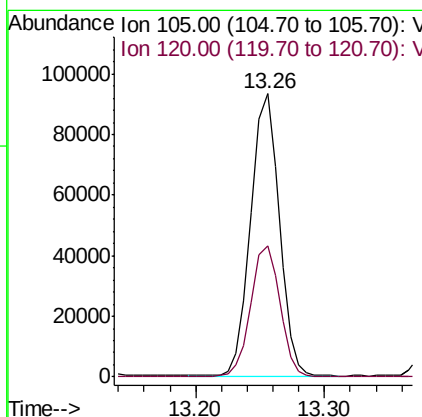
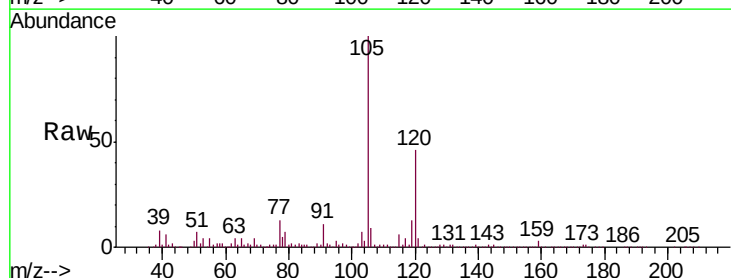
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

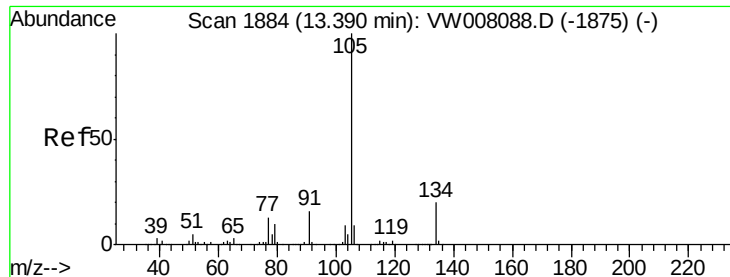
Tgt Ion:119 Resp: 5018
Ion Ratio Lower Upper
119 100
91 40.9 33.9 101.6
134 17.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 35.690 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion:105 Resp: 142764
Ion Ratio Lower Upper
105 100
120 47.4 22.7 68.1

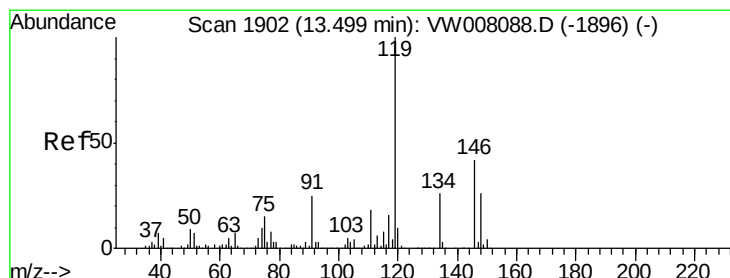
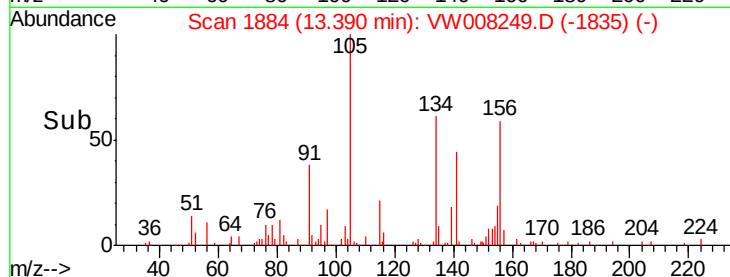
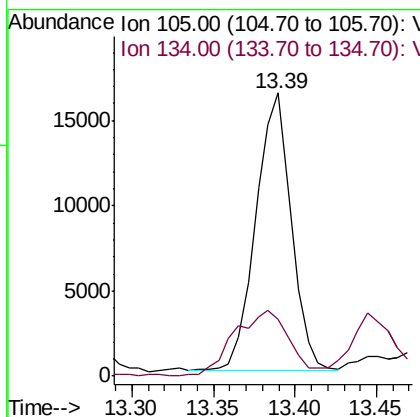
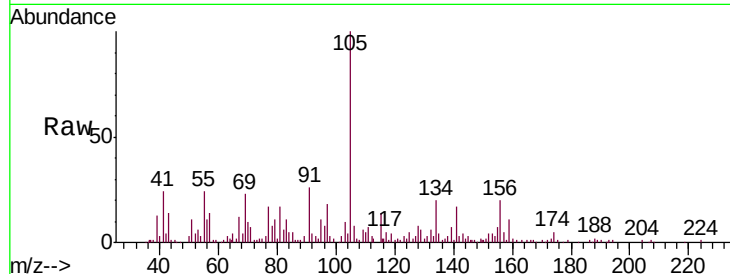




#85
 sec-Butylbenzene
 Concen: 4.878 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

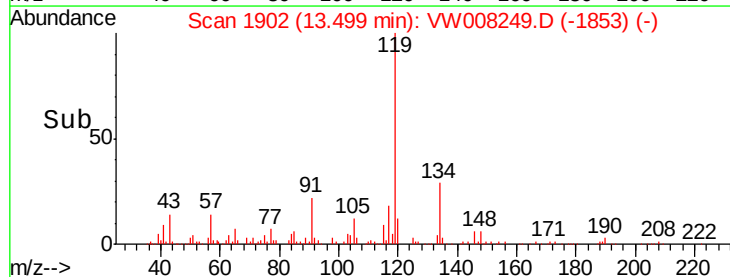
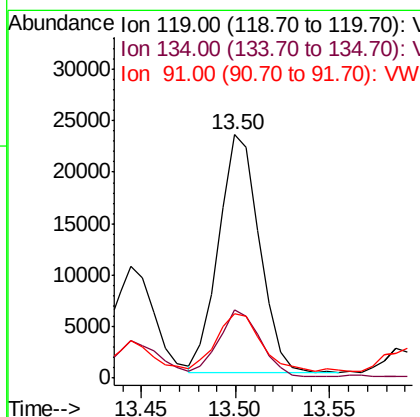
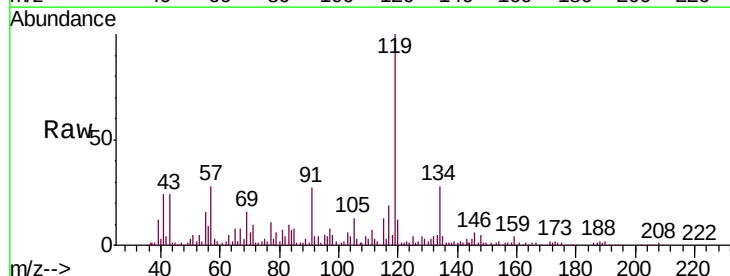
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

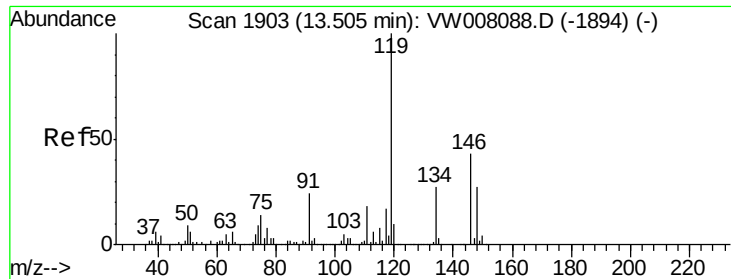
Tgt Ion:105 Resp: 24520
 Ion Ratio Lower Upper
 105 100
 134 35.8 10.1 30.1#



#86
 p-Isopropyltoluene
 Concen: 7.957 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Tgt Ion:119 Resp: 34538
 Ion Ratio Lower Upper
 119 100
 134 29.2 13.3 39.8
 91 26.4 12.3 36.9

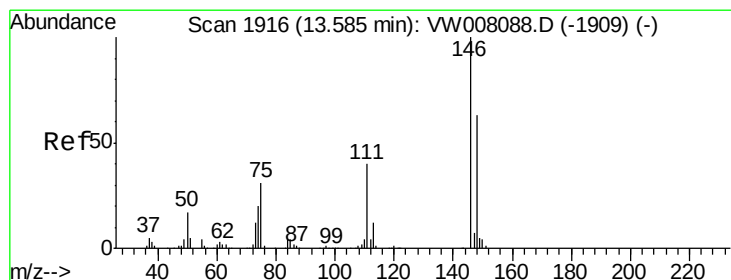
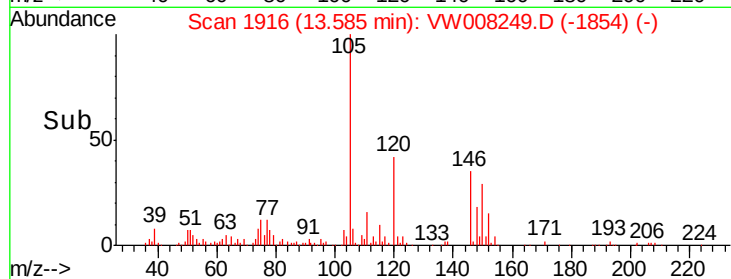
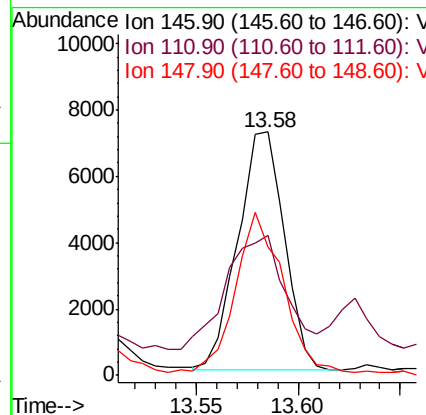
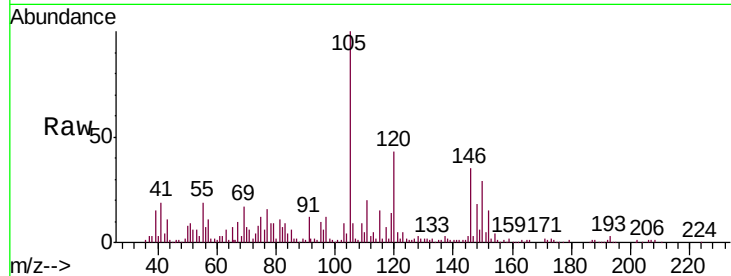




#87
 1,3-Dichlorobenzene
 Concen: 5.603 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.08 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

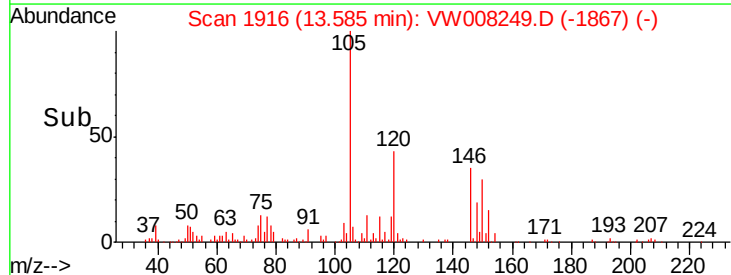
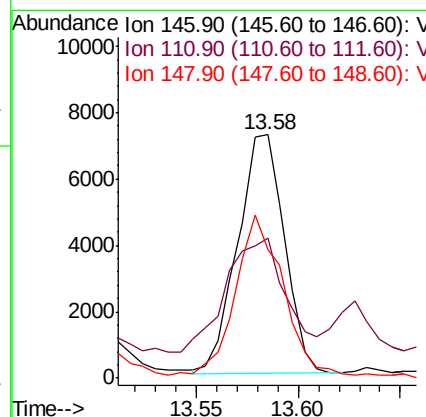
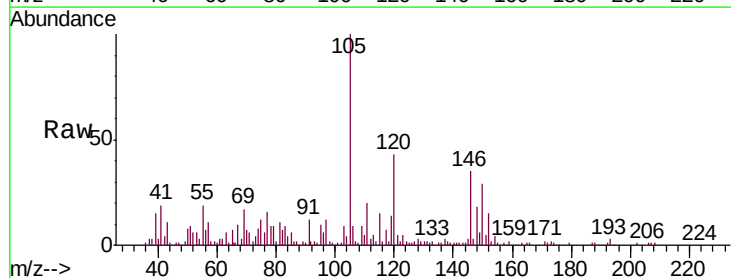
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

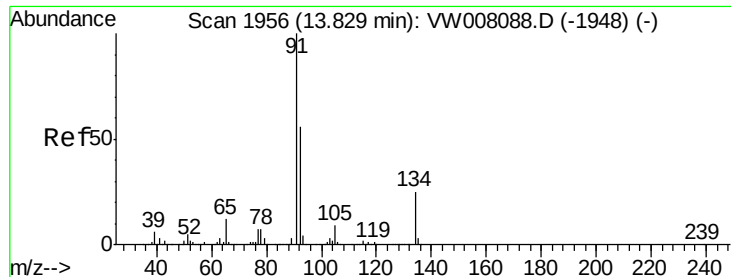
Tgt Ion:146 Resp: 11335
 Ion Ratio Lower Upper
 146 100
 111 61.0 21.1 63.1
 148 68.8 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 5.610 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Tgt Ion:146 Resp: 11386
 Ion Ratio Lower Upper
 146 100
 111 60.7 20.5 61.5
 148 68.8 31.6 94.8





#89

n-Butylbenzene

Concen: 9.067 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

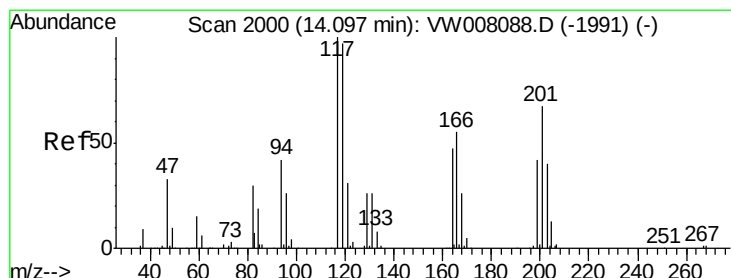
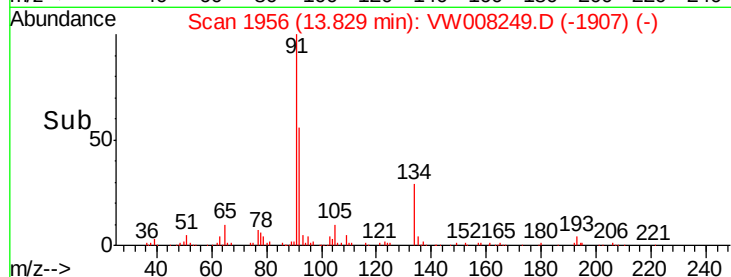
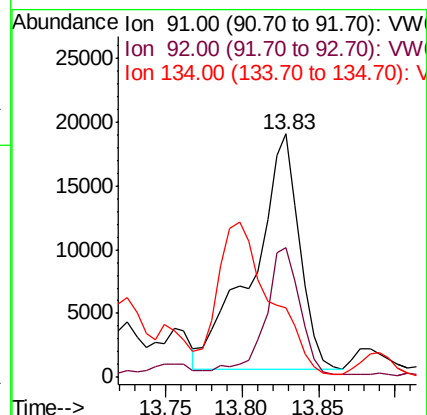
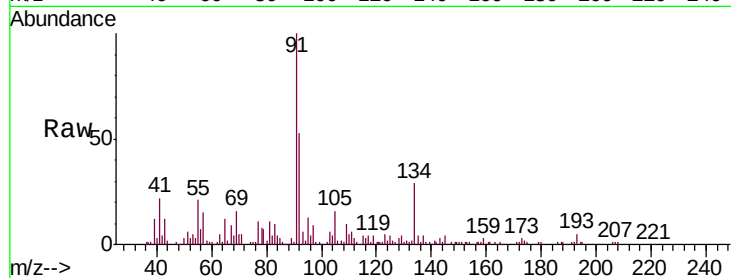
Tgt Ion: 91 Resp: 38543

Ion Ratio Lower Upper

91 100

92 41.1 27.4 82.2

134 0.0 12.6 37.8#



#90

Hexachloroethane

Concen: 12.223 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW008249.D

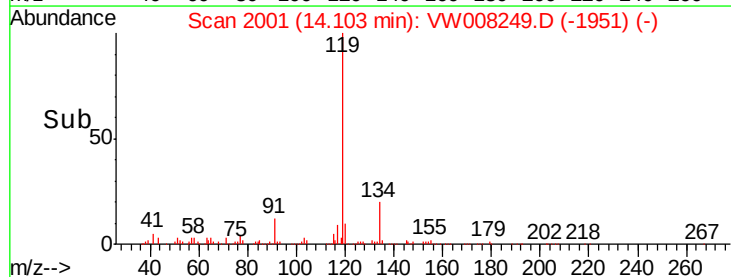
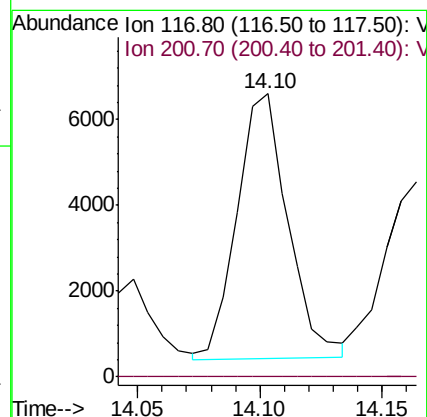
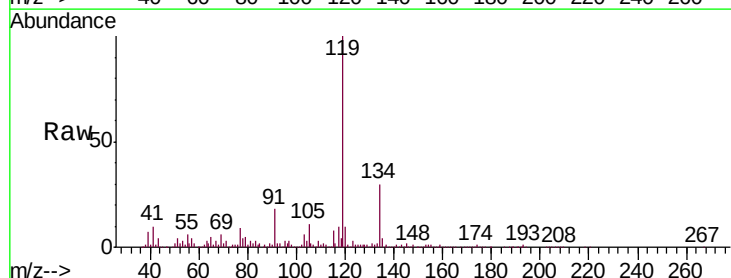
Acq: 14 Jan 2019 16:11

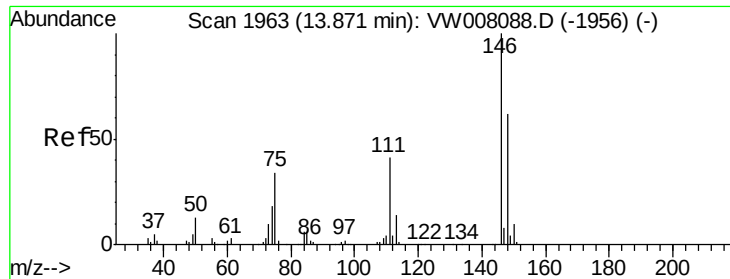
Tgt Ion: 117 Resp: 8961

Ion Ratio Lower Upper

117 100

201 0.0 33.0 98.9#

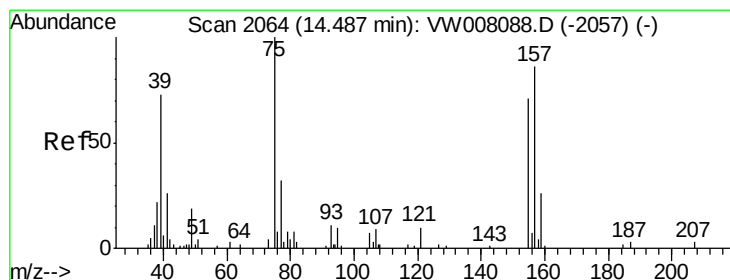
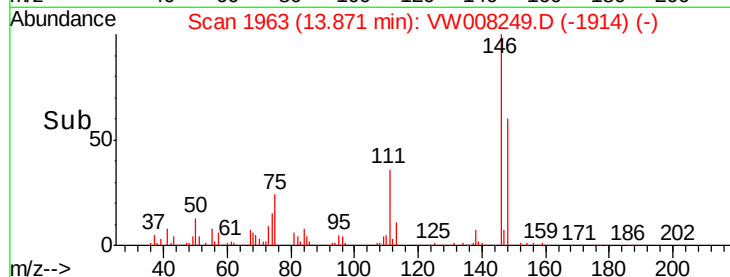
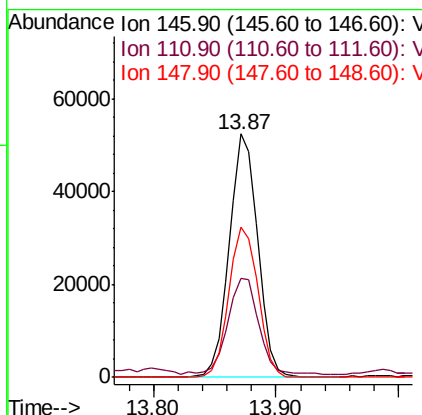
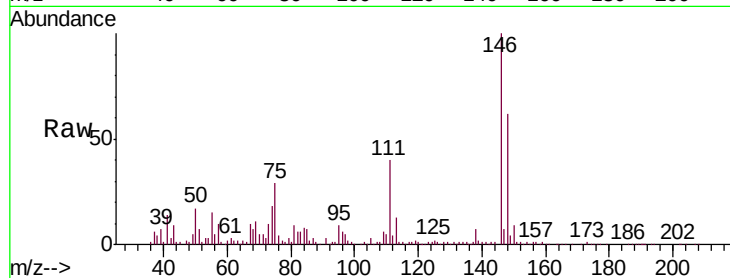




#91
 1,2-Dichlorobenzene
 Concen: 47.048 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

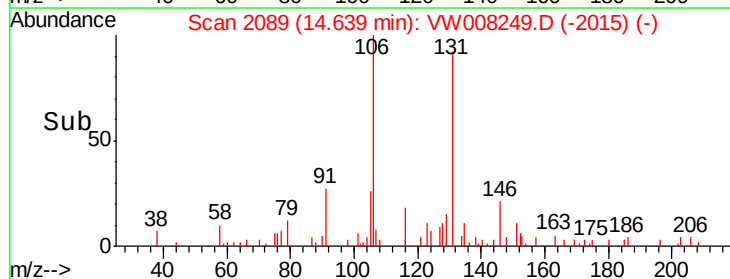
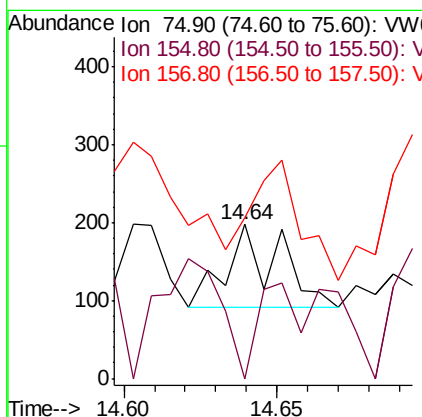
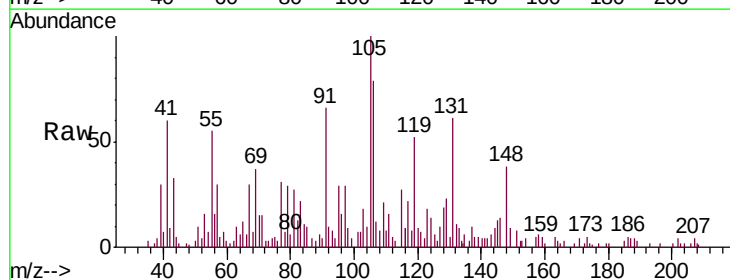
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

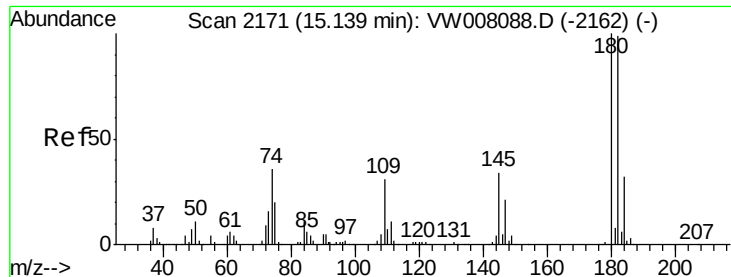
Tgt Ion: 146 Resp: 83646
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.3 63.7
 148 63.8 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.053 ug/l
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.15 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Tgt Ion: 75 Resp: 128
 Ion Ratio Lower Upper
 75 100
 155 85.2 38.6 115.7
 157 135.2 47.5 142.6

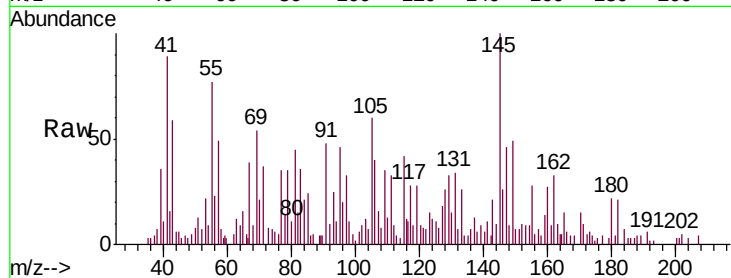




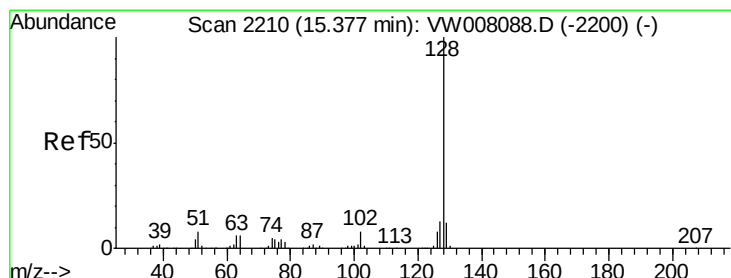
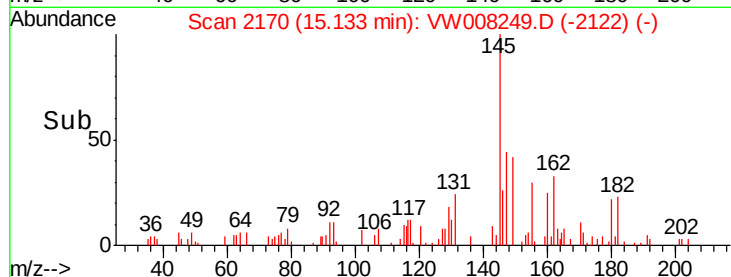
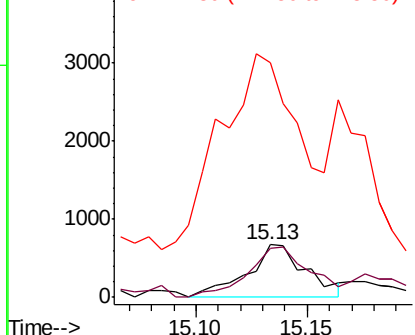
#93
 1,2,4-Trichlorobenzene
 Concen: 1.061 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

Tgt Ion:180 Resp: 1252
 Ion Ratio Lower Upper
 180 100
 182 99.8 48.6 145.9
 145 644.2 16.6 49.7#

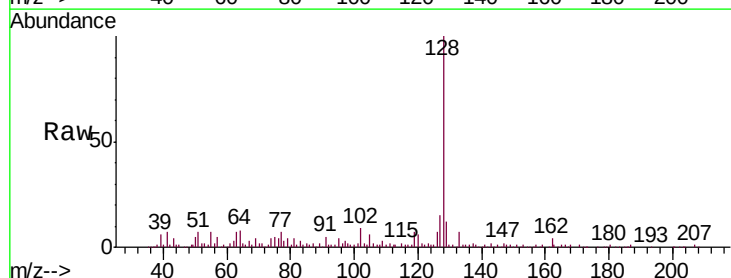


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 24.618 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Tgt Ion:128 Resp: 54259
 Ion Ratio Lower Upper
 128 100
 127 16.0 11.0 16.4
 129 12.6 9.0 13.6



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

