

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008103.D
 Acq On : 09 Jan 2019 15:17
 Operator : SY/AP
 Sample : K1071-09RE
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-3(10-15)RE

Quant Time: Jan 10 05:57:56 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	2700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	4074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	4319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1692	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	1464	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	7.88	113	1226	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	10.32	98	5229	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.62	95	2228	62.33	ug/l	0.00
Spiked Amount			Recovery	=	124.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.14	85	23	1.044	ug/l #	42
3) Chloromethane	2.23	50	41	1.434	ug/l #	1
4) Vinyl Chloride	2.31	62	44	1.179	ug/l #	41
8) Diethyl Ether	3.87	74	44	2.566	ug/l	55
11) Tert butyl alcohol	5.35	59	22	Below Cal	#	100
13) Acrolein	3.96	56	20	8.454	ug/l #	14
15) Acrylonitrile	5.21	53	21	3.217	ug/l #	17
16) Acetone	4.12	43	279	32.772	ug/l #	40
18) Methyl Acetate	4.62	43	68	3.545	ug/l #	52
20) Methylene Chloride	4.92	84	27	Below Cal	#	3
22) Diisopropyl ether	6.31	45	127	1.240	ug/l #	38
25) 2-Butanone	7.17	43	117	13.857	ug/l #	49
28) Bromochloromethane	7.55	49	49	2.077	ug/l #	18
29) Tetrahydrofuran	7.54	42	20	3.546	ug/l #	35
31) Cyclohexane	7.96	56	89	1.394	ug/l #	82
32) 1,1,1-Trichloroethane	7.89	97	78	1.579	ug/l #	24
36) 1,1-Dichloropropene	7.96	75	226	5.385	ug/l #	68
37) Ethyl Acetate	7.26	43	62	3.688	ug/l #	69
39) Methylcyclohexane	9.31	83	85	1.597	ug/l #	49
41) Methacrylonitrile	7.46	41	262	24.669	ug/l #	51
43) Isopropyl Acetate	8.43	43	119	3.540	ug/l #	51
44) Trichloroethene	9.08	130	41	1.407	ug/l	1
45) 1,2-Dichloropropane	9.40	63	39	1.382	ug/l #	46
46) Dibromomethane	9.45	93	139	10.028	ug/l #	79
47) Bromodichloromethane	9.68	83	50	1.421	ug/l #	25
48) Methyl methacrylate	9.44	41	88	5.548	ug/l #	27
49) 1,4-Dioxane	9.63	88	19	85.238	ug/l #	1
51) 4-Methyl-2-Pentanone	10.30	43	56	3.442	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	79	4.060	ug/l #	33
56) Ethyl methacrylate	10.65	69	437	18.133	ug/l #	23
58) 2-Chloroethyl Vinyl ether	9.73	63	45	3.615	ug/l #	48
59) 2-Hexanone	11.05	43	157	14.268	ug/l	64
60) Dibromochloromethane	11.18	129	158	7.394	ug/l	93
61) 1,2-Dibromoethane	11.22	107	188	10.181	ug/l #	2

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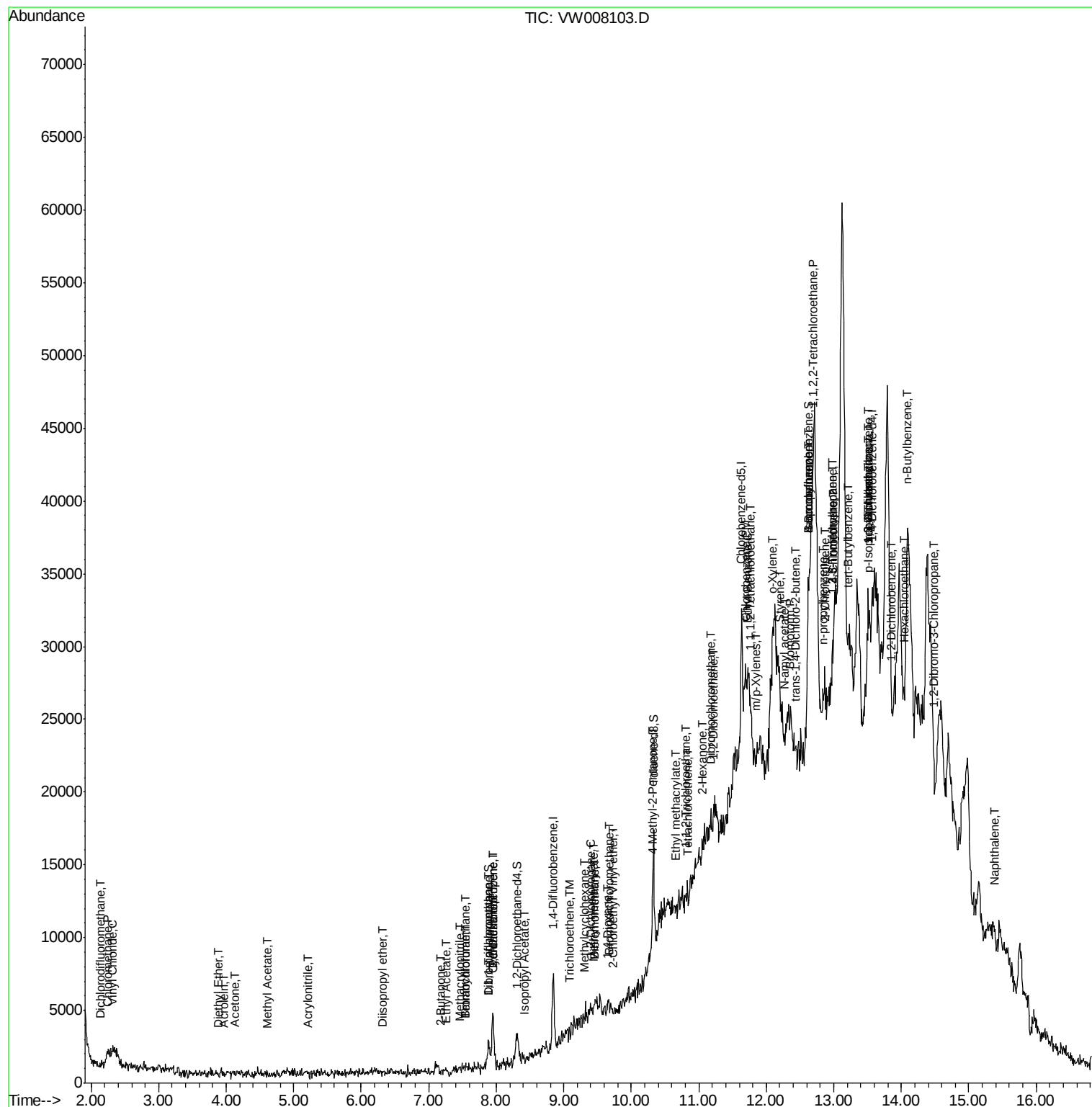
64) Tetrachloroethene	10.85	164	54	1.921	ug/l #	34
65) Chlorobenzene	11.68	112	119	1.301	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.77	131	110	3.696	ug/l #	22
67) Ethyl Benzene	11.73	91	572	3.417	ug/l	97
68) m/p-Xylenes	11.84	106	218	3.411	ug/l #	1
69) o-Xylene	12.09	106	313	5.289	ug/l	33
70) Styrene	12.19	104	769	8.296	ug/l #	57
71) Bromoform	12.35	173	229	17.193	ug/l #	20
73) Isopropylbenzene	12.62	105	345	2.597	ug/l	90
74) N-amyl acetate	12.26	43	172	5.847	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.69	83	3476	163.480	ug/l #	20
76) 1,2,3-Trichloropropane	12.98	75	49	3.177	ug/l	99
77) Bromobenzene	12.63	156	51	1.817	ug/l #	1
78) n-propylbenzene	12.84	91	390	2.396	ug/l	83
79) 2-Chlorotoluene	12.86	91	118	1.299	ug/l	93
80) 1,3,5-Trimethylbenzene	12.98	105	161	1.475	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.43	75	42	6.341	ug/l #	51
82) 4-Chlorotoluene	12.99	91	418	4.371	ug/l	75
83) tert-Butylbenzene	13.22	119	275	2.848	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.50	105	311	2.762	ug/l	78
85) sec-Butylbenzene	13.50	105	896	6.334	ug/l	80
86) p-Isopropyltoluene	13.52	119	333	2.726	ug/l #	1
87) 1,3-Dichlorobenzene	13.50	146	220	3.864	ug/l #	1
89) n-Butylbenzene	14.08	91	595	4.973	ug/l	88
90) Hexachloroethane	14.04	117	101	4.895	ug/l	69
91) 1,2-Dichlorobenzene	13.86	146	117	2.338	ug/l #	37
92) 1,2-Dibromo-3-Chloropropan	14.49	75	46	13.443	ug/l #	61
95) Naphthalene	15.39	128	83	1.338	ug/l #	1

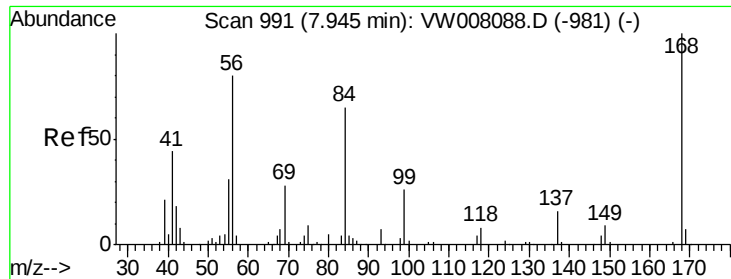
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

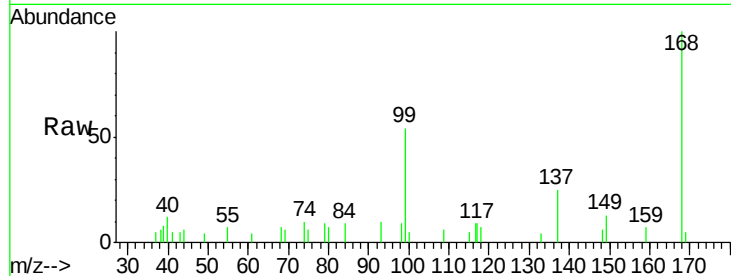
CPSB-3(10-15)RE

Tot Ion:168 Resp: 2700

Ion Ratio Lower Upper

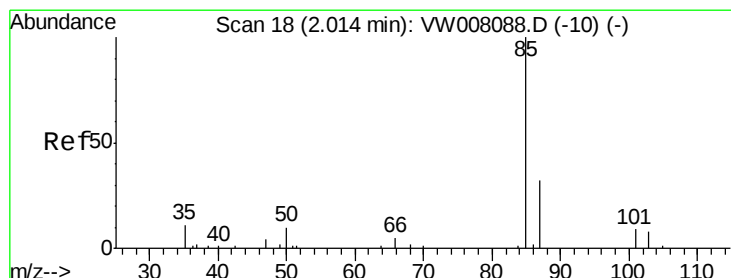
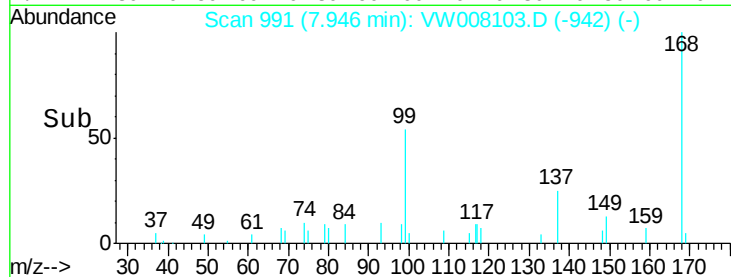
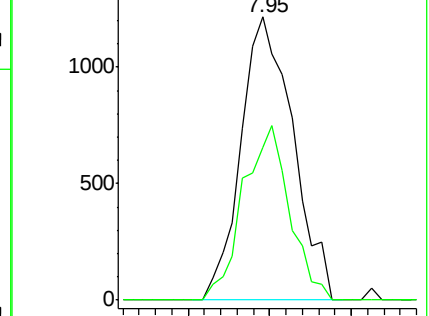
168 100

99 54.0 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.044 ug/l

RT: 2.14 min Scan# 39

Delta R.T. 0.13 min

Lab File: VW008103.D

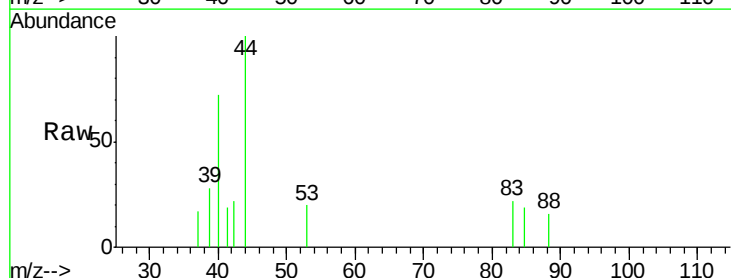
Acq: 09 Jan 2019 15:17

Tgt Ion: 85 Resp: 23

Ion Ratio Lower Upper

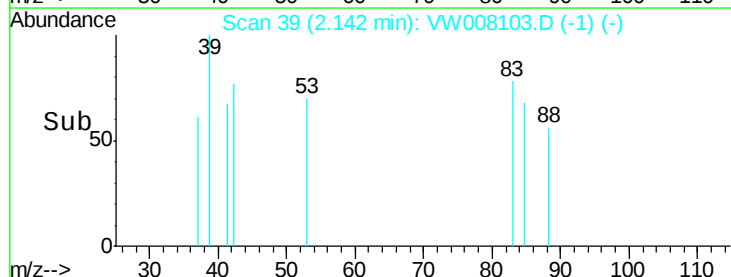
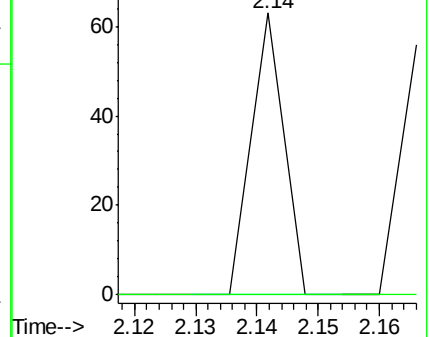
85 100

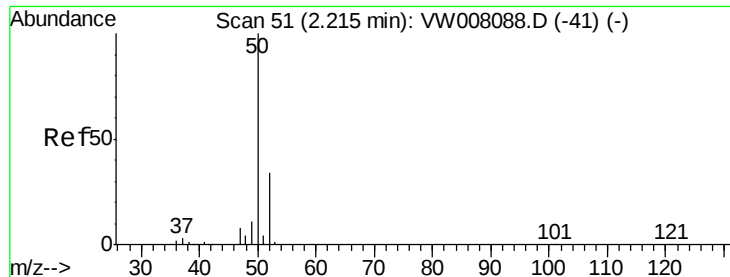
87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 1.434 ug/l

RT: 2.23 min Scan# 54

Delta R.T. 0.02 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

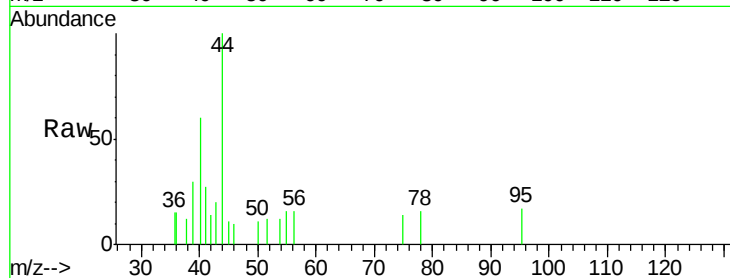
CPSB-3(10-15)RE

Tot Ion: 50 Resp: 41

Ion Ratio Lower Upper

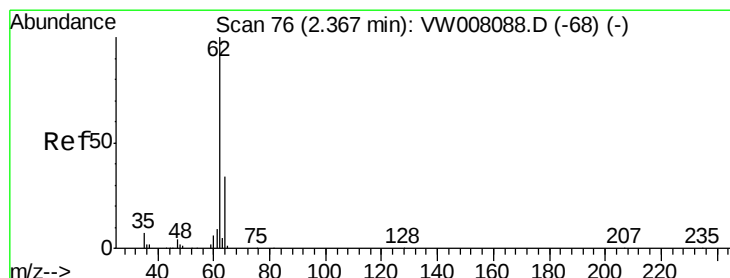
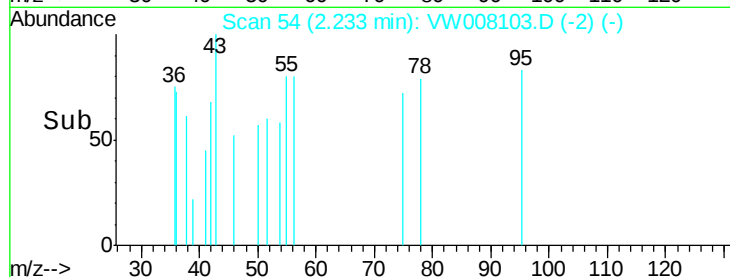
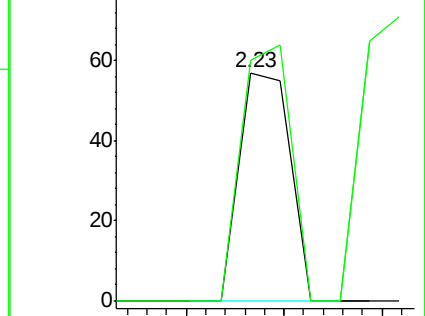
50 100

52 105.3 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 1.179 ug/l

RT: 2.31 min Scan# 67

Delta R.T. -0.05 min

Lab File: VW008103.D

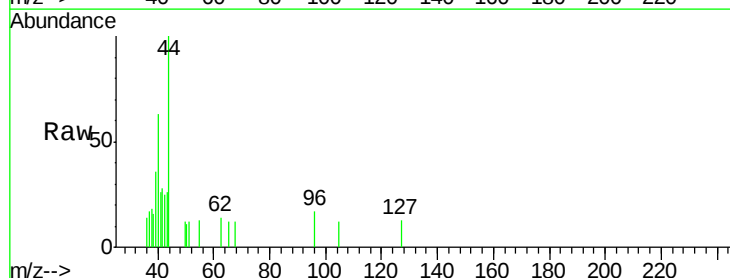
Acq: 09 Jan 2019 15:17

Tgt Ion: 62 Resp: 44

Ion Ratio Lower Upper

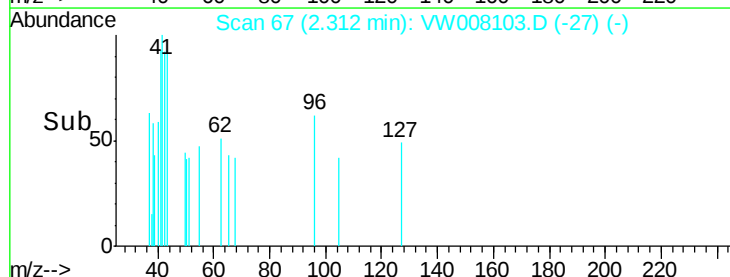
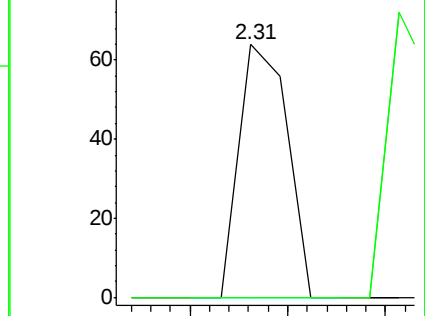
62 100

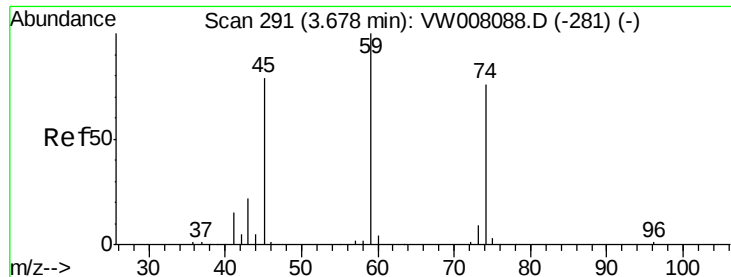
64 0.0 27.0 40.6#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#8

Diethyl Ether

Concen: 2.566 ug/l

RT: 3.87 min Scan# 323

Delta R.T. 0.20 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

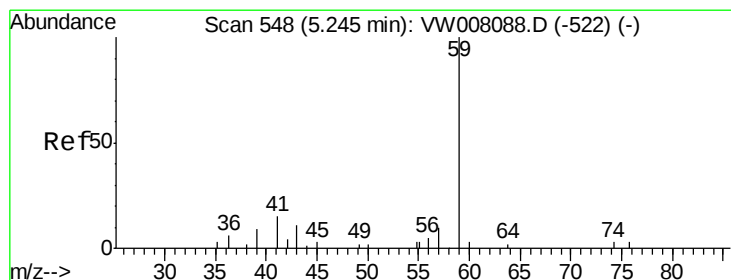
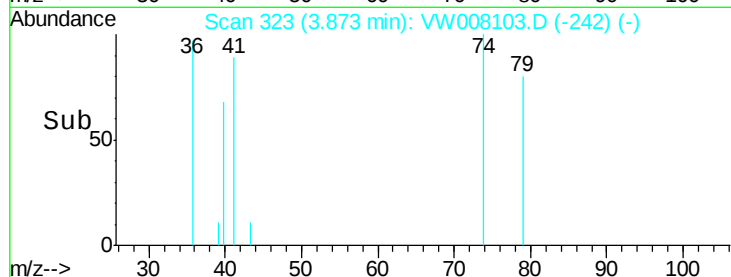
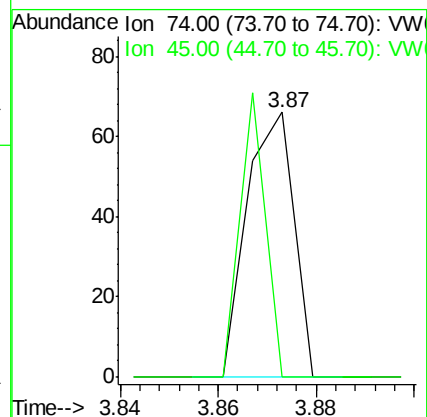
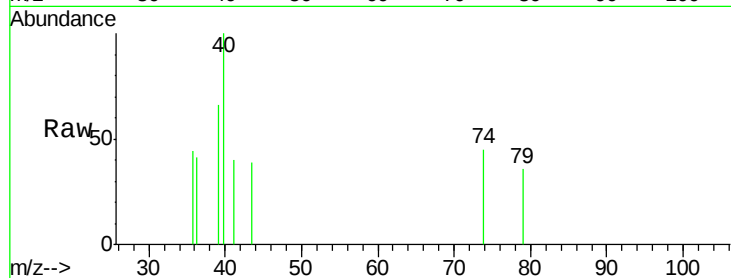
CPSB-3(10-15)RE

Tot Ion: 74 Resp: 44

Ion Ratio Lower Upper

74 100

45 59.1 52.4 157.3



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.35 min Scan# 566

Delta R.T. 0.11 min

Lab File: VW008103.D

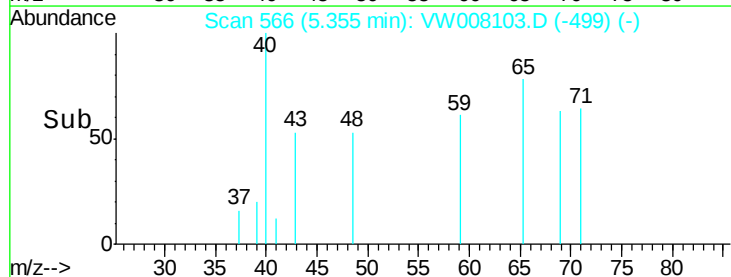
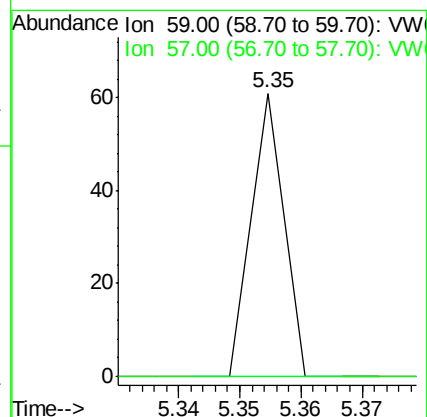
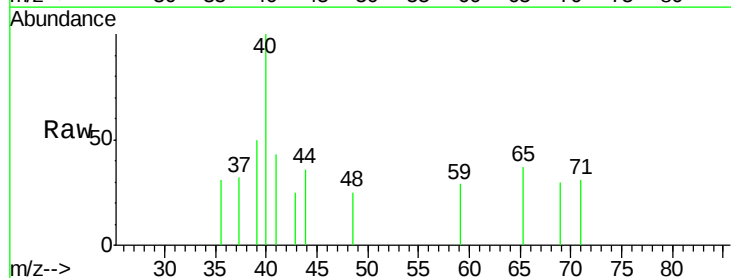
Acq: 09 Jan 2019 15:17

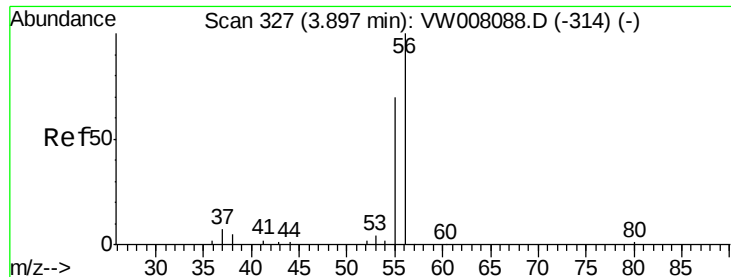
Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0





#13

Acrolein

Concen: 8.454 ug/l

RT: 3.96 min Scan# 338

Delta R.T. 0.07 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

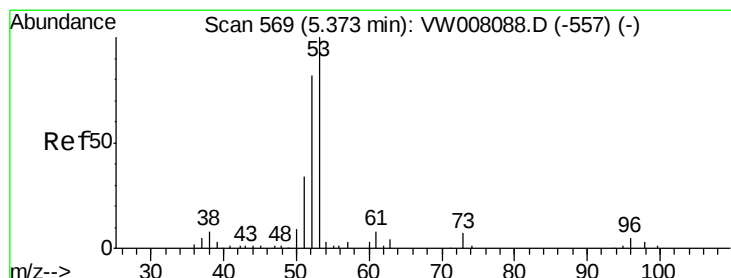
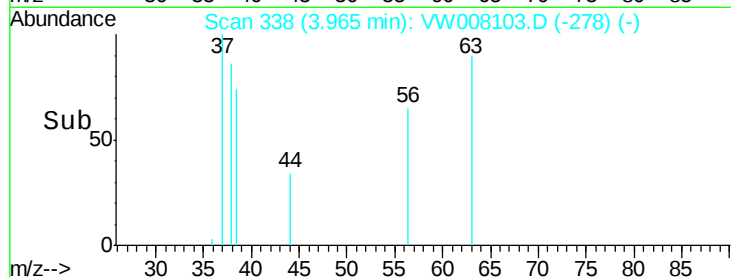
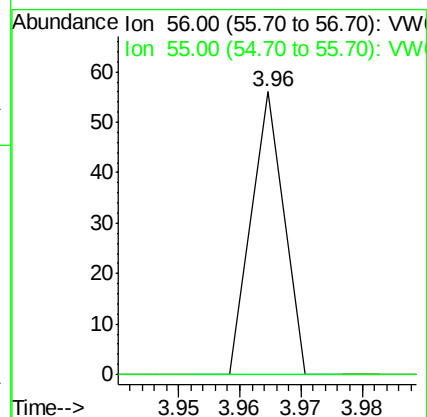
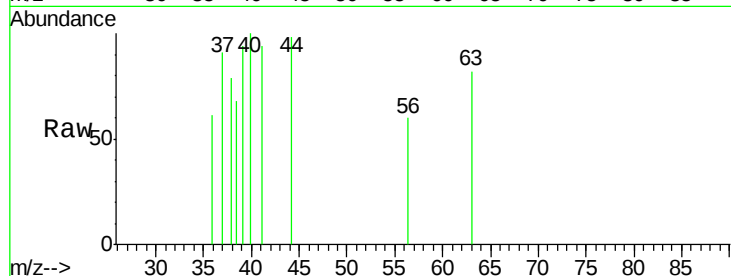
CPSB-3(10-15)RE

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



#15

Acrylonitrile

Concen: 3.217 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.16 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

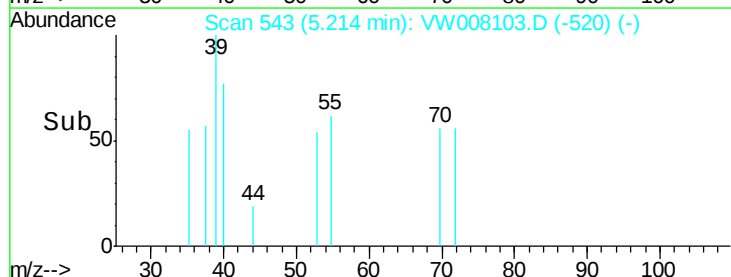
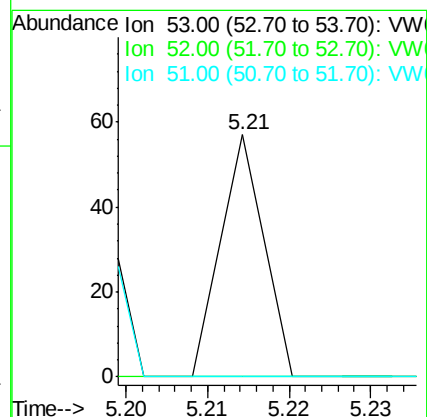
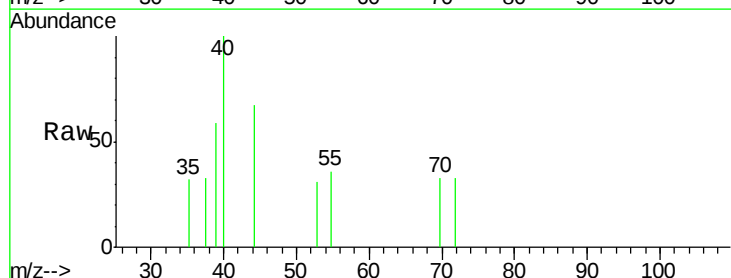
Tgt Ion: 53 Resp: 21

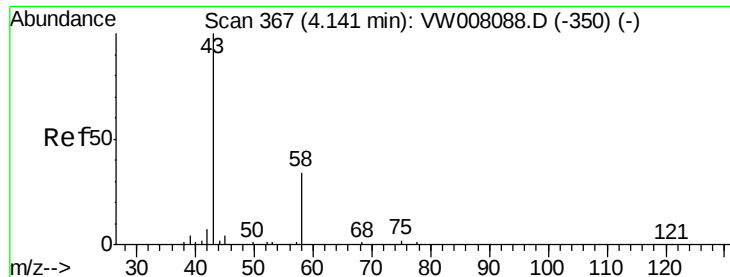
Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

51 0.0 29.7 44.5#





#16

Acetone

Concen: 32.772 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

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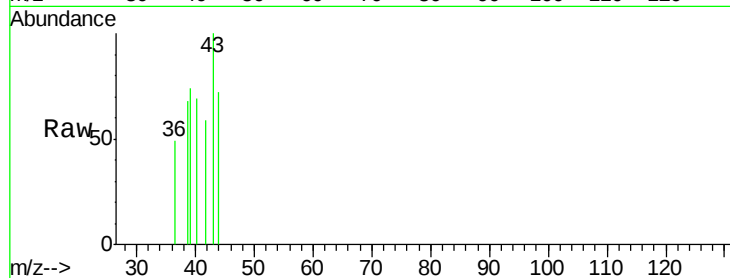
CPSB-3(10-15)RE

Tot Ion: 43 Resp: 279

Ion Ratio Lower Upper

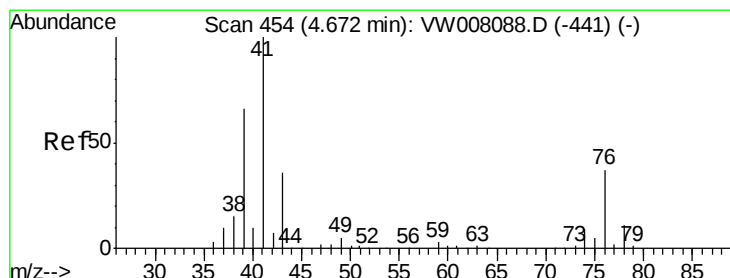
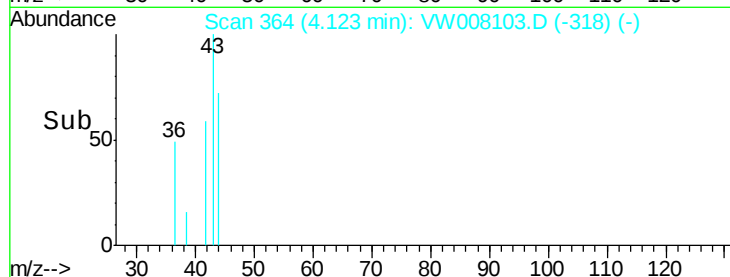
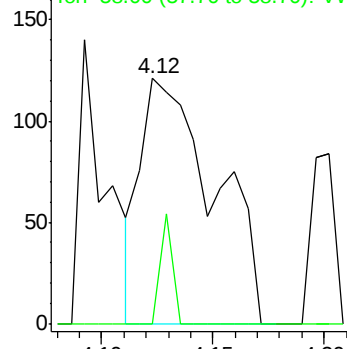
43 100

58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 3.545 ug/l

RT: 4.62 min Scan# 445

Delta R.T. -0.05 min

Lab File: VW008103.D

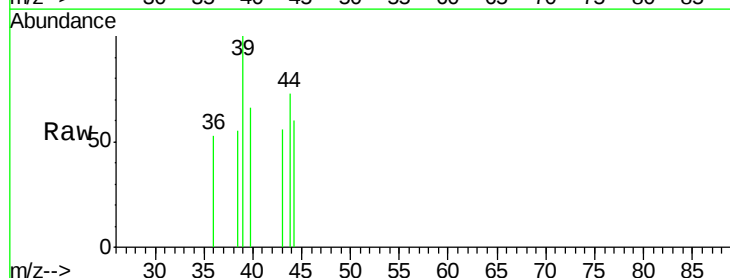
Acq: 09 Jan 2019 15:17

Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

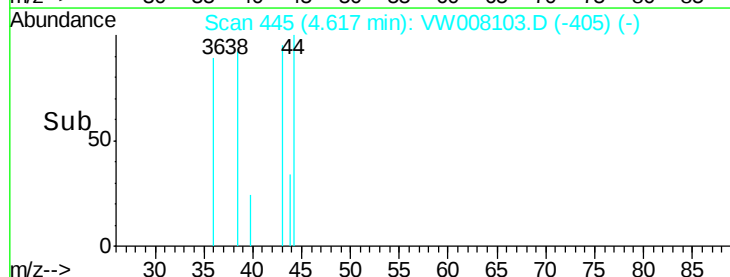
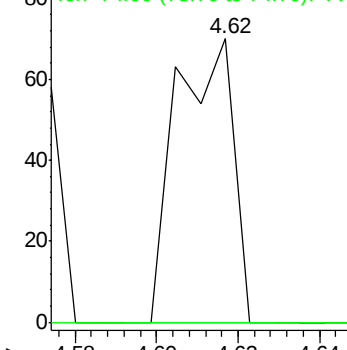
43 100

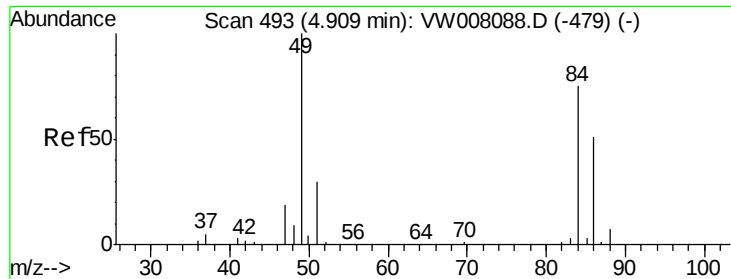
74 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

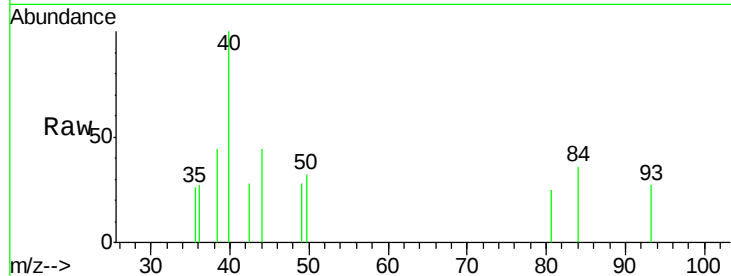




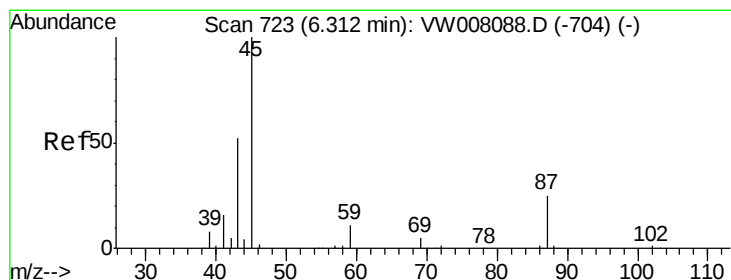
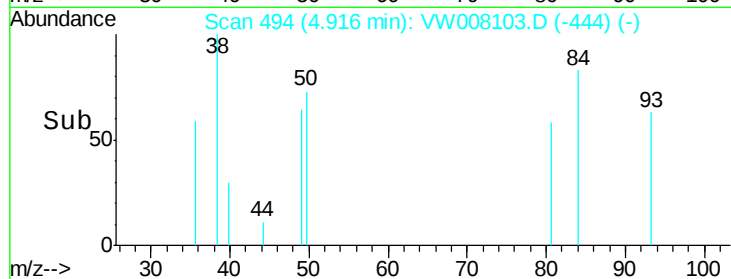
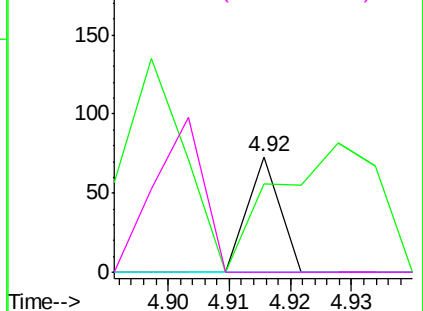
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)RE

Tot Ion: 84 Resp: 27
Ion Ratio Lower Upper
84 100
49 0.0 107.1 160.7#
51 0.0 32.4 48.6#
86 0.0 54.2 81.4#

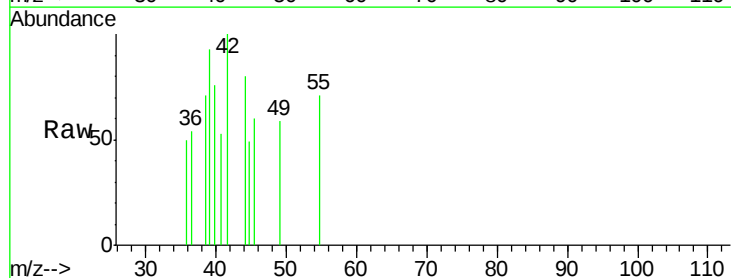


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

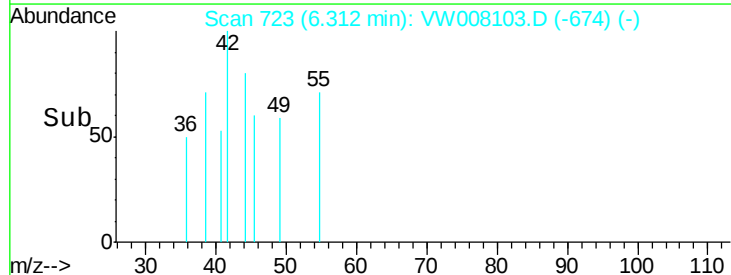
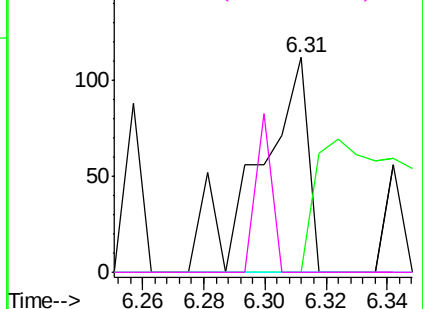


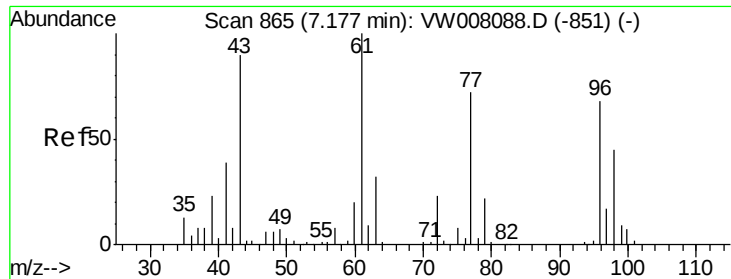
#22
Diisopropyl ether
Concen: 1.240 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion: 45 Resp: 127
Ion Ratio Lower Upper
45 100
43 0.0 41.7 62.5#
87 0.0 20.1 30.1#
59 0.0 8.8 13.2#



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#25

2-Butanone

Concen: 13.857 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

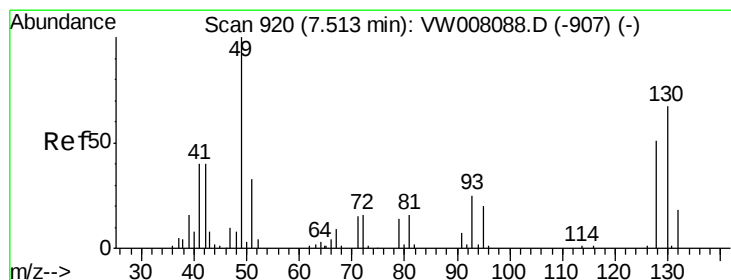
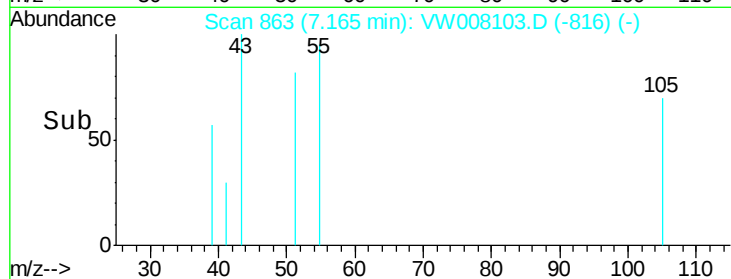
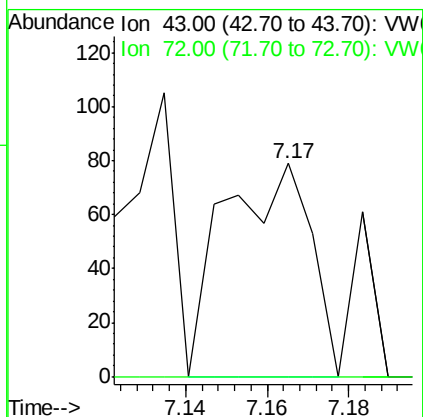
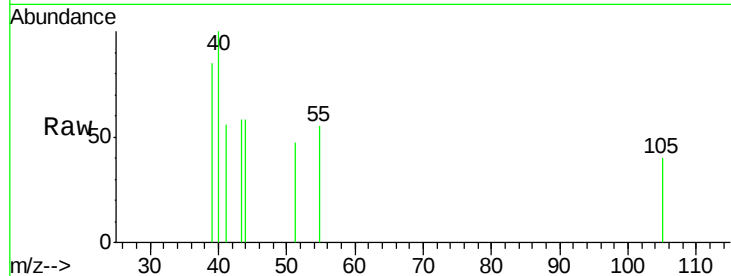
CPSB-3(10-15)RE

Tot Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#28

Bromochloromethane

Concen: 2.077 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.04 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

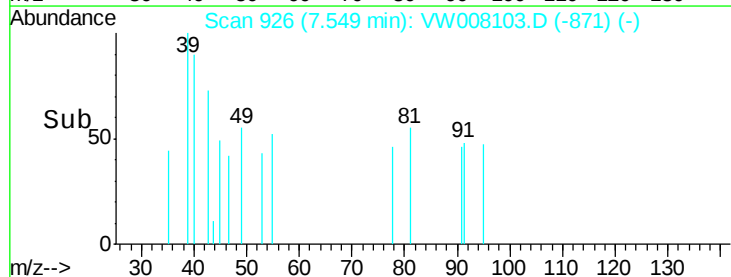
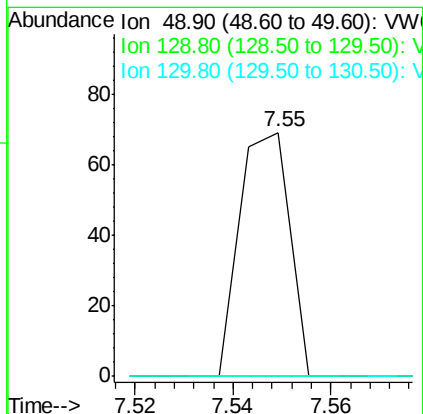
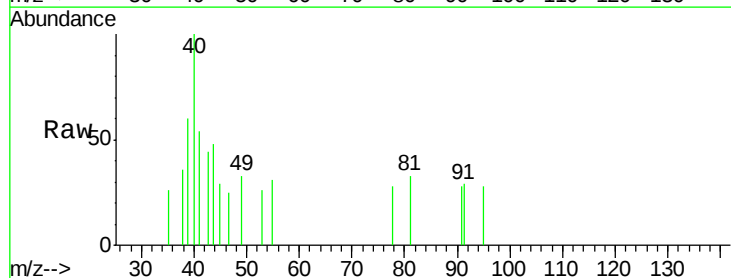
Tgt Ion: 49 Resp: 49

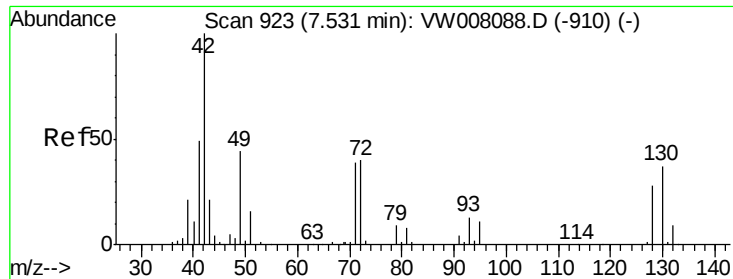
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

130 0.0 54.3 81.5#

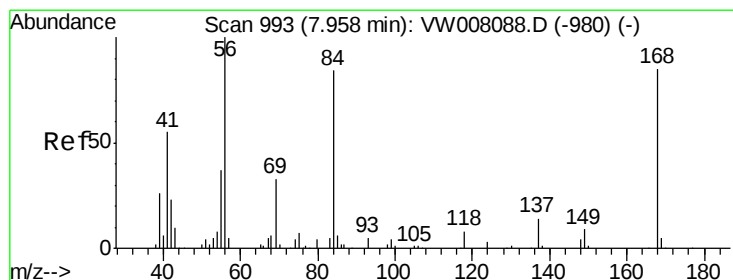
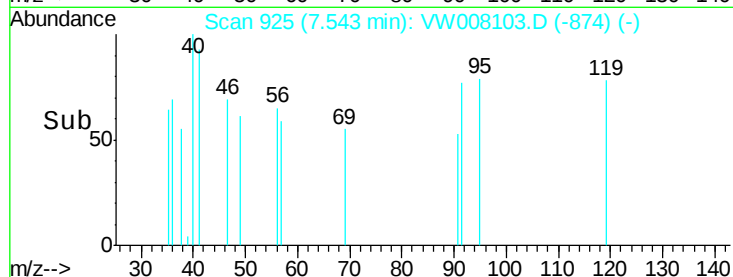
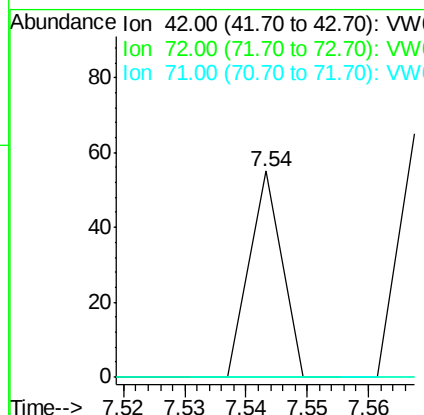
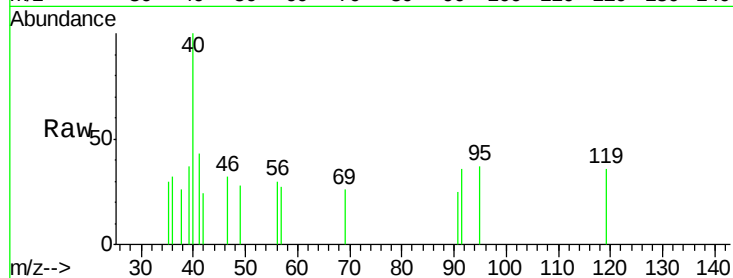




#29
Tetrahydrofuran
Concen: 3.546 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

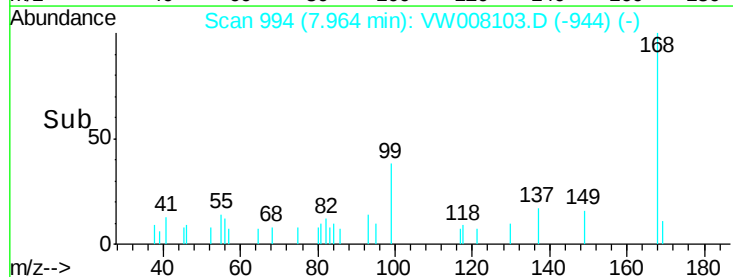
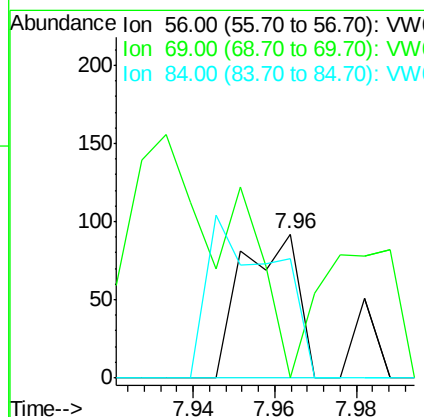
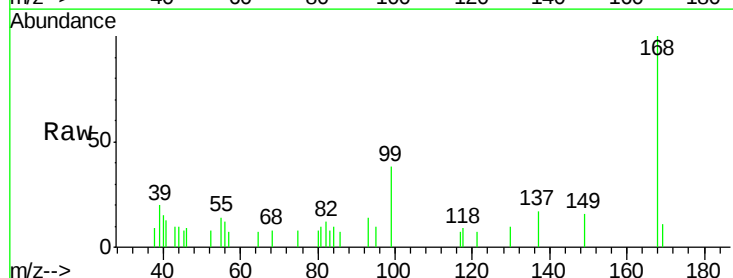
Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)RE

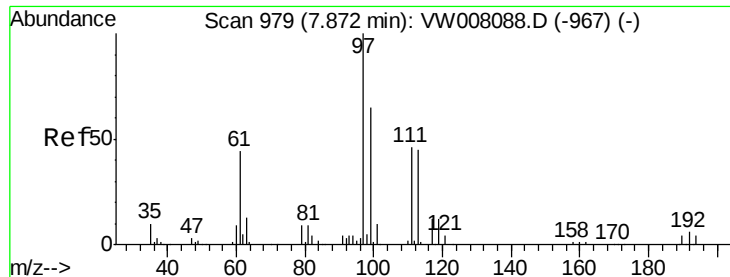
Tot Ion: 42 Resp: 20
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.394 ug/l
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
69 0.0 26.2 39.4#
84 82.6 67.4 101.2





#32

1,1,1-Trichloroethane

Concen: 1.579 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.02 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

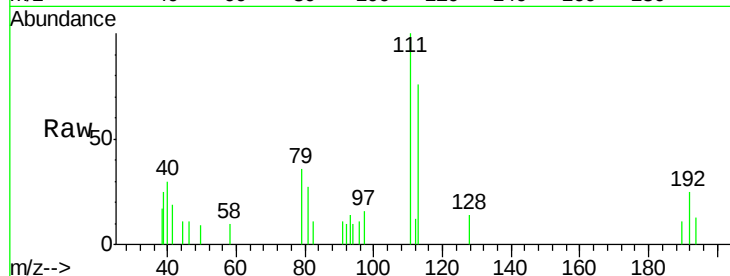
Tot Ion: 97 Resp: 78

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

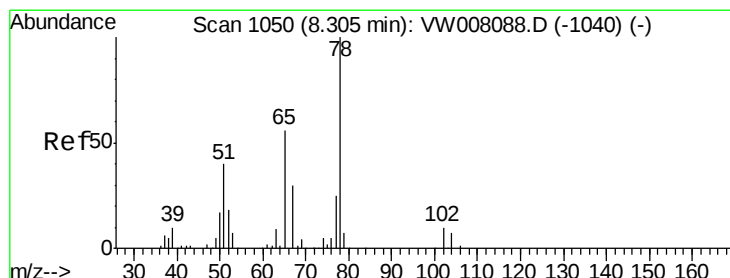
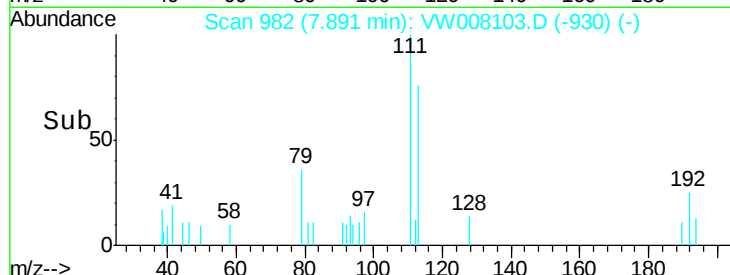
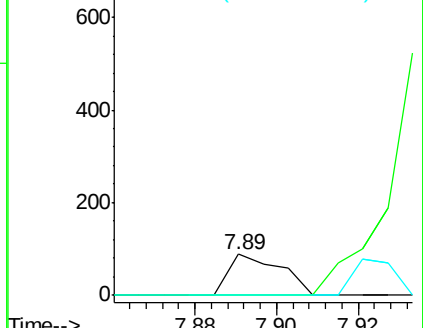
61 0.0 35.6 53.4#



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 48.244 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW008103.D

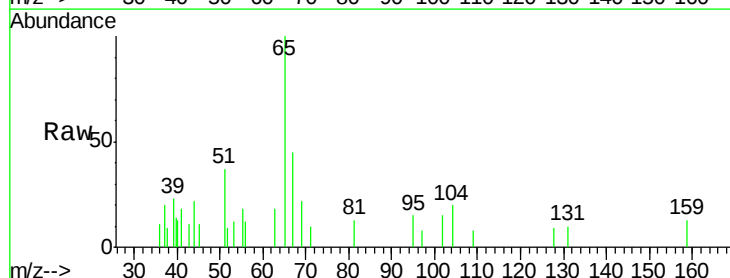
Acq: 09 Jan 2019 15:17

Tgt Ion: 65 Resp: 1464

Ion Ratio Lower Upper

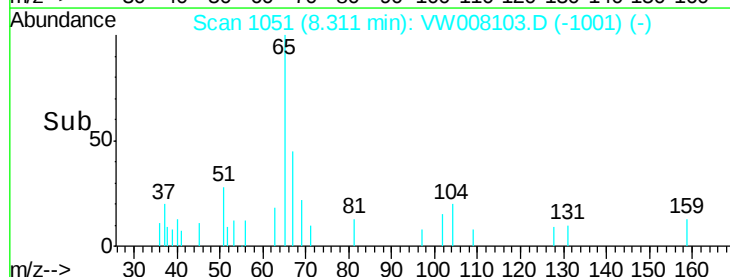
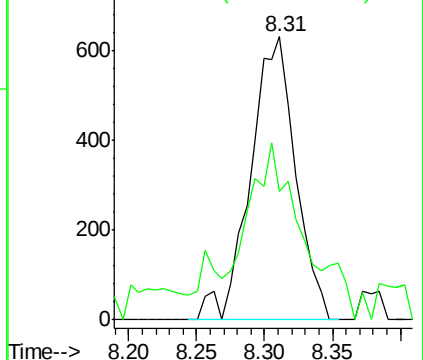
65 100

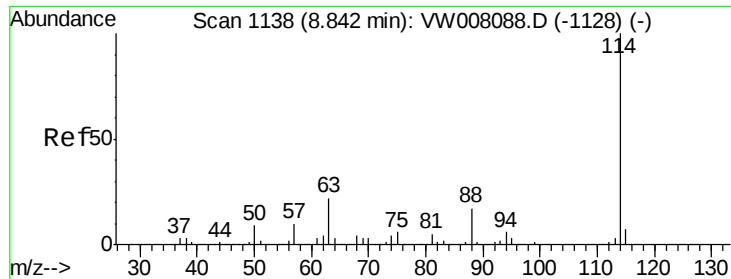
67 76.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

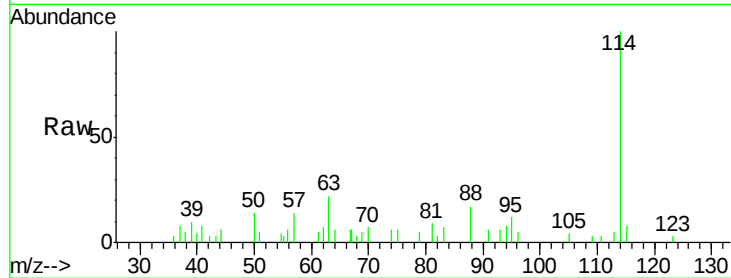
Tot Ion:114 Resp: 4074

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

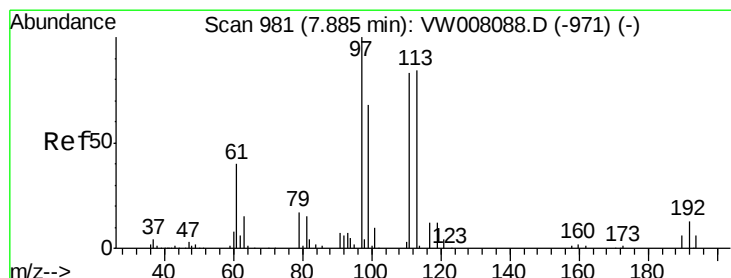
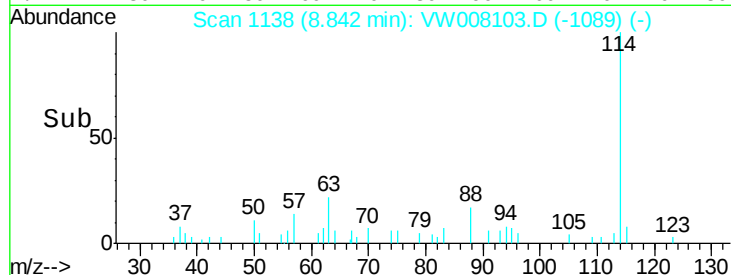
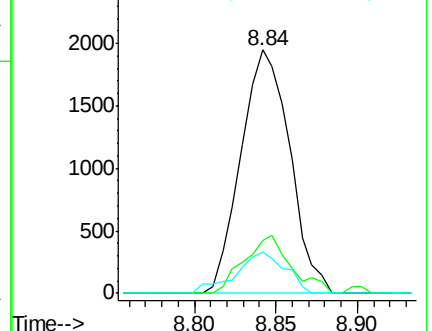
88 17.1 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 51.597 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

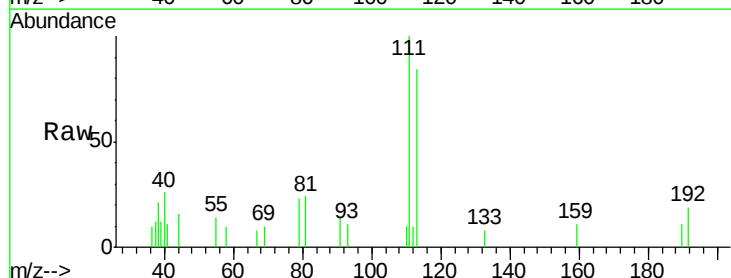
Tgt Ion:113 Resp: 1226

Ion Ratio Lower Upper

113 100

111 116.7 81.8 122.8

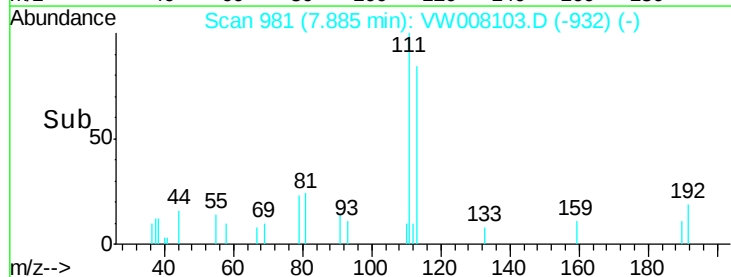
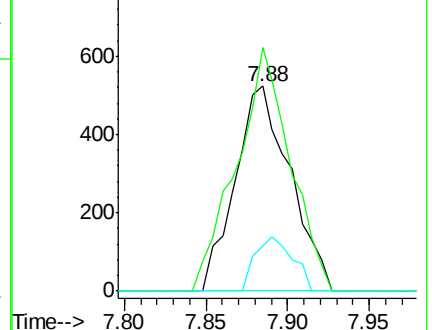
192 18.1 12.8 19.2

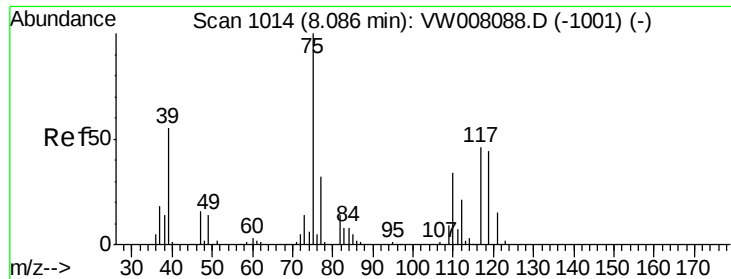


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

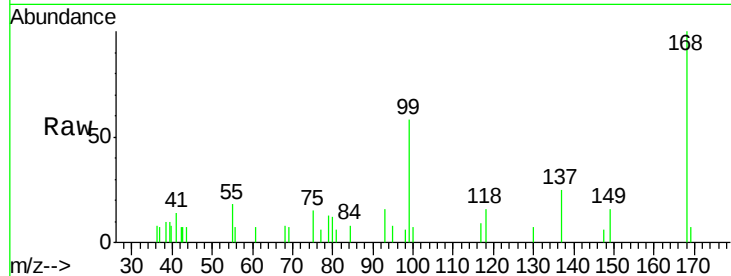




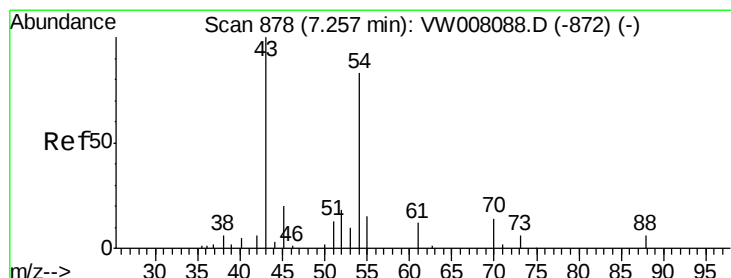
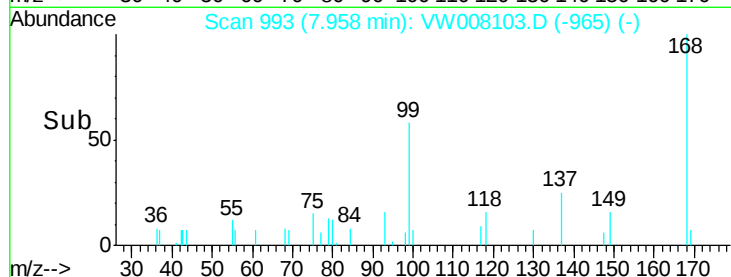
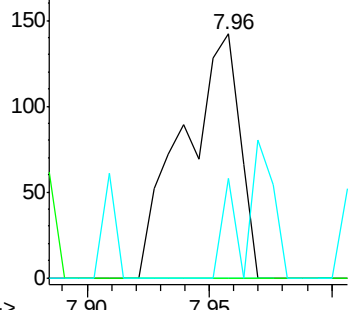
#36
 1,1-Dichloropropene
 Concen: 5.385 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW008103.D
 Acq: 09 Jan 2019 15:17

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-3(10-15)RE

Tot Ion: 75 Resp: 226
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.1 51.3#
 77 31.0 25.5 38.3

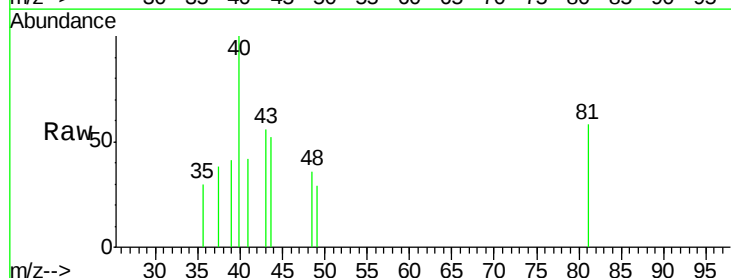


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): VW
 Ion 76.90 (76.60 to 77.60): VW

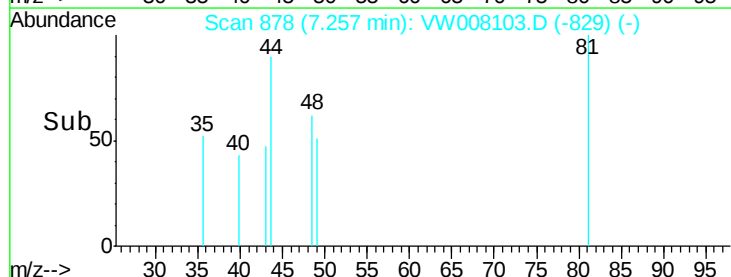
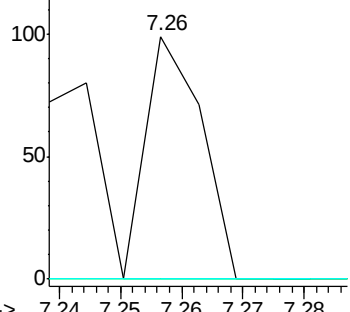


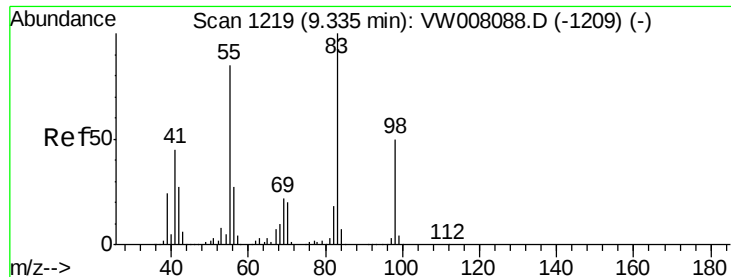
#37
 Ethyl Acetate
 Concen: 3.688 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VW008103.D
 Acq: 09 Jan 2019 15:17

Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW

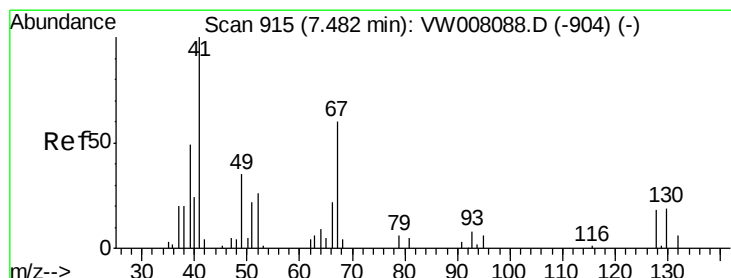
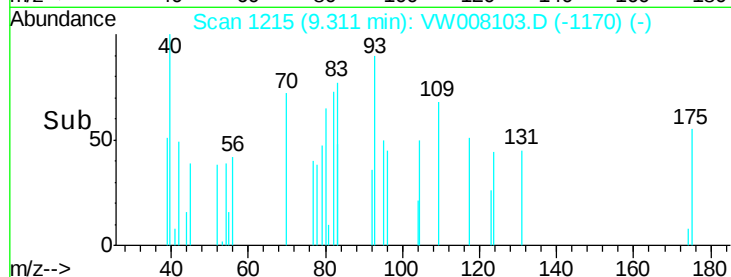
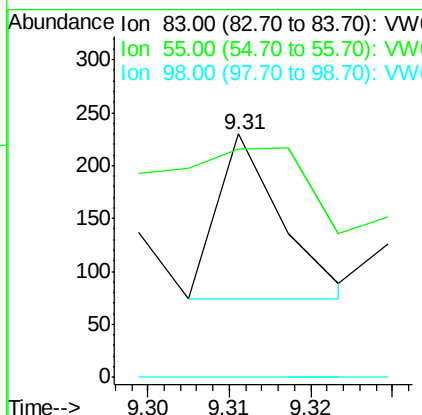
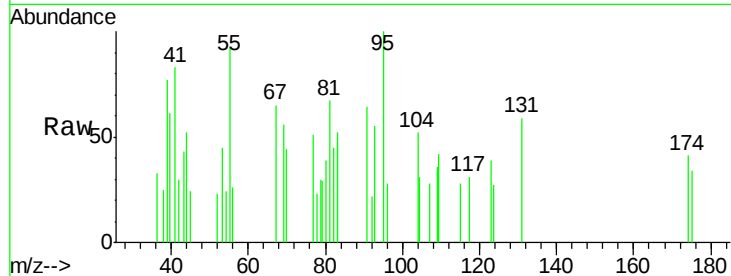




#39
Methylcyclohexane
Concen: 1.597 ug/l
RT: 9.31 min Scan# 1215
Delta R.T. -0.02 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

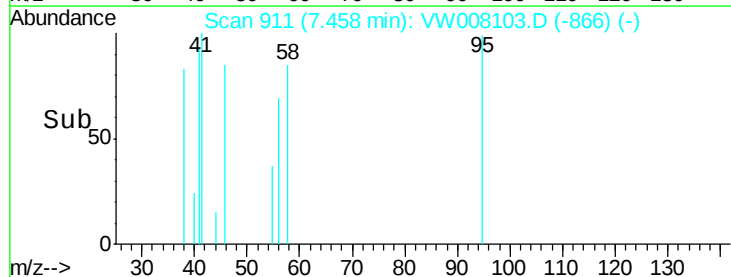
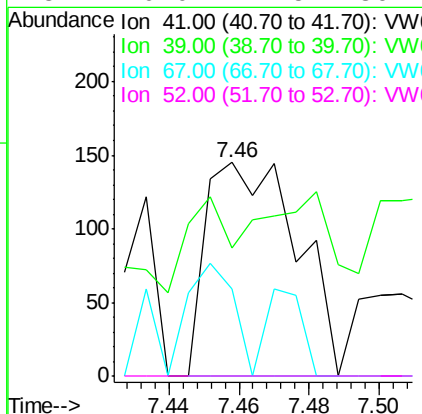
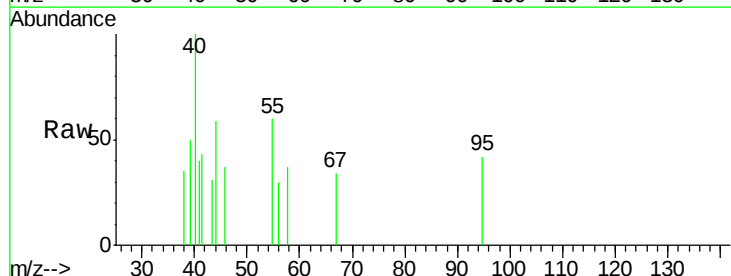
Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)RE

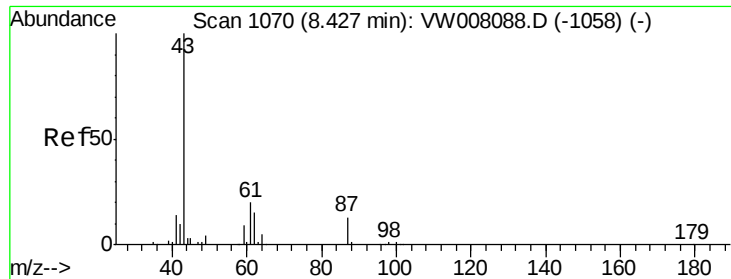
Tot Ion: 83 Resp: 85
Ion Ratio Lower Upper
83 100
55 50.6 67.8 101.6#
98 0.0 40.2 60.4#



#41
Methacrylonitrile
Concen: 24.669 ug/l
RT: 7.46 min Scan# 911
Delta R.T. -0.02 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion: 41 Resp: 262
Ion Ratio Lower Upper
41 100
39 19.8 47.9 71.9#
67 35.1 56.3 84.5#
52 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 3.540 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

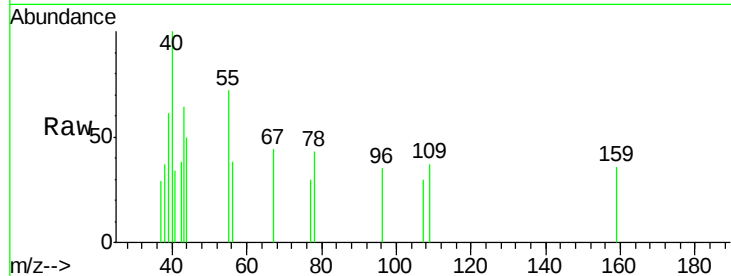
Tot Ion: 43 Resp: 119

Ion Ratio Lower Upper

43 100

61 0.0 24.8 37.2#

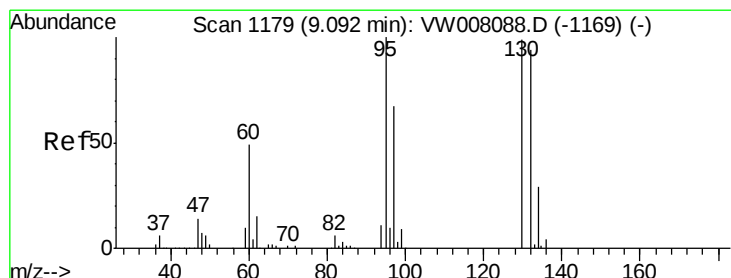
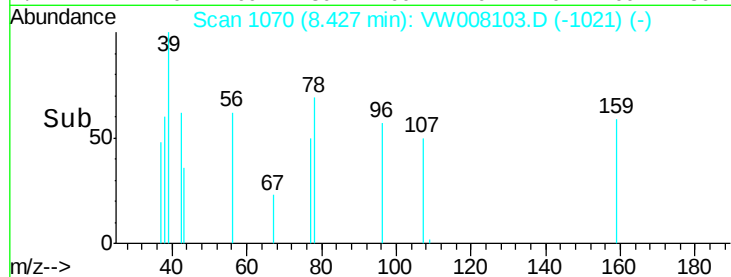
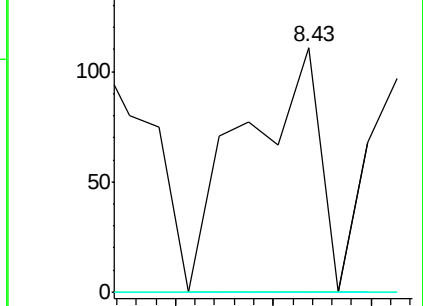
87 0.0 10.4 15.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 1.407 ug/l

RT: 9.08 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VW008103.D

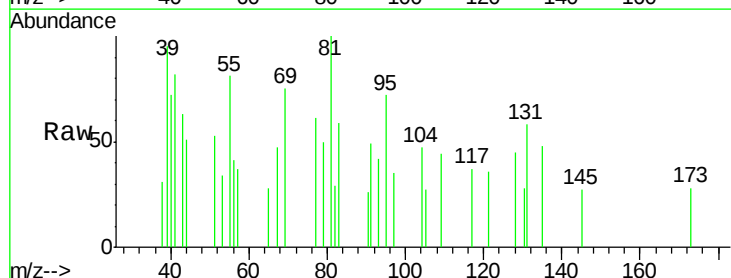
Acq: 09 Jan 2019 15:17

Tgt Ion: 130 Resp: 41

Ion Ratio Lower Upper

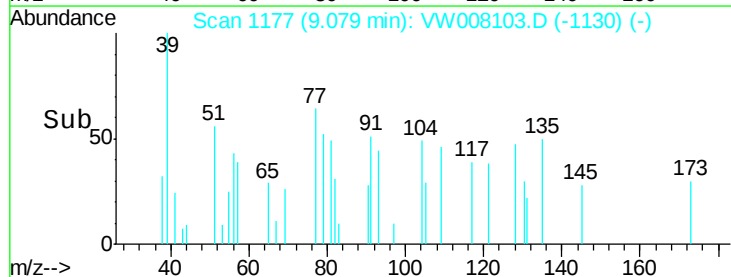
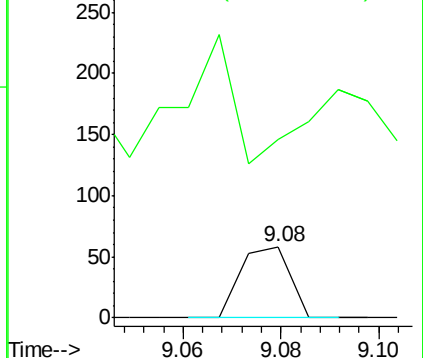
130 100

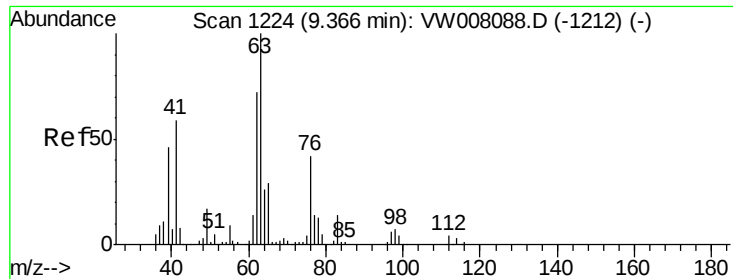
95 0.0 0.0 202.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 1.382 ug/l

RT: 9.40 min Scan# 1230

Delta R.T. 0.04 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

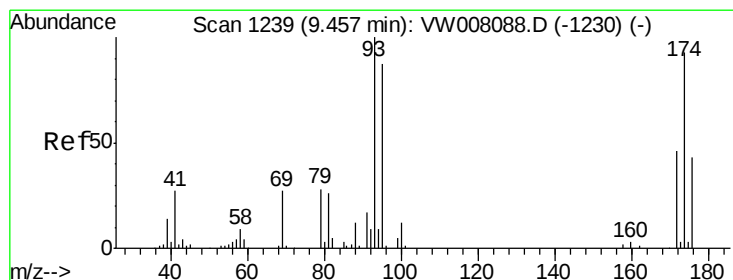
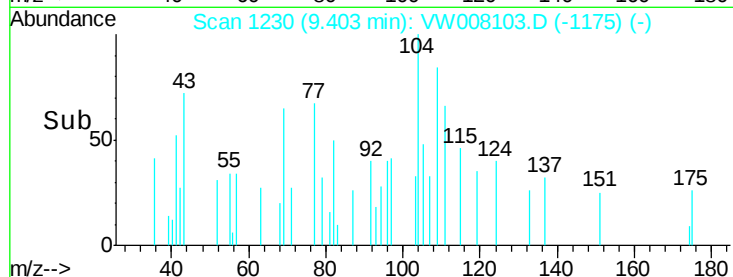
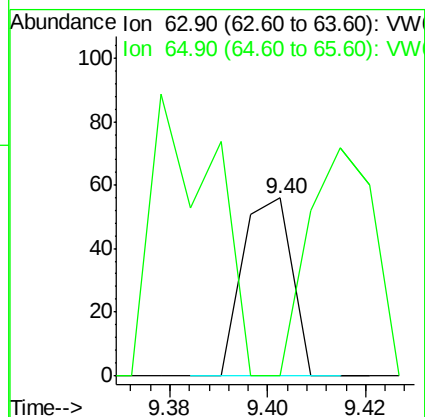
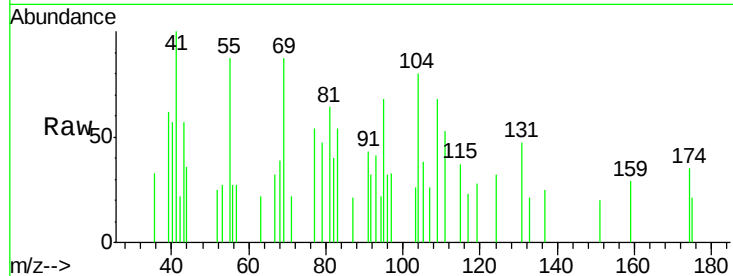
CPSB-3(10-15)RE

Tot Ion: 63 Resp: 39

Ion Ratio Lower Upper

63 100

65 0.0 23.3 34.9#



#46

Dibromomethane

Concen: 10.028 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

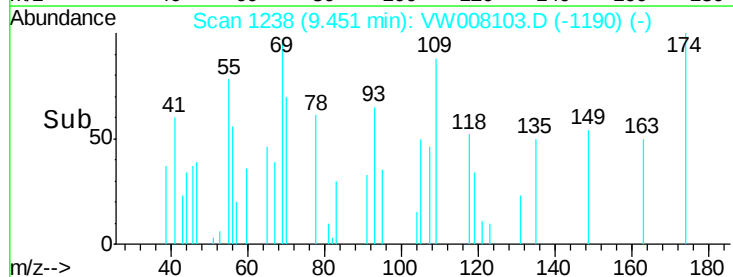
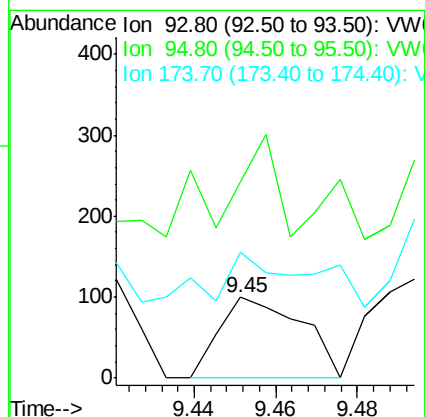
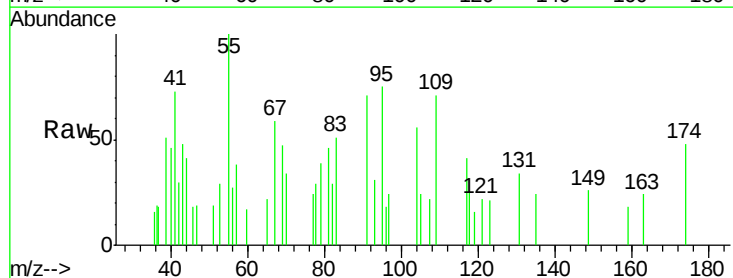
Tgt Ion: 93 Resp: 139

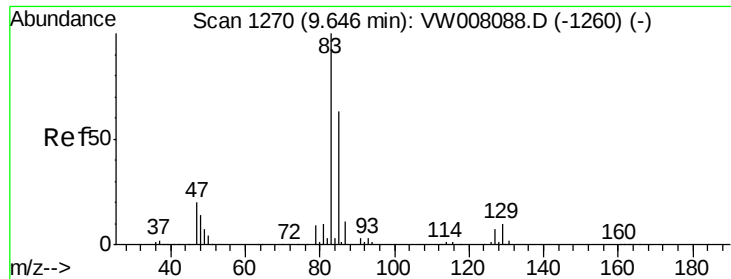
Ion Ratio Lower Upper

93 100

95 110.1 67.5 101.3#

174 76.3 72.5 108.7





#47

Bromodichloromethane

Concen: 1.421 ug/l

RT: 9.68 min Scan# 1275

Delta R.T. 0.03 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

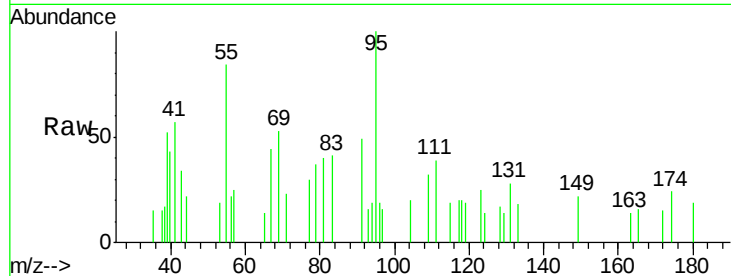
Tot Ion: 83 Resp: 50

Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#

127 0.0 6.0 9.0#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

9.68

150

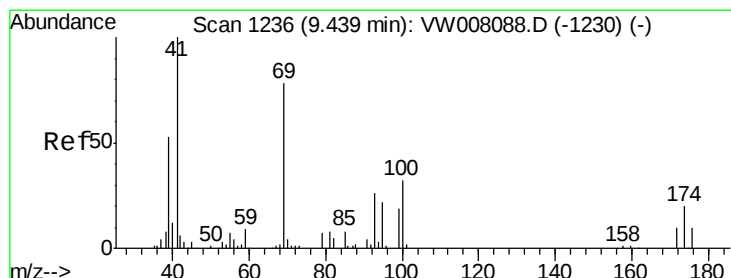
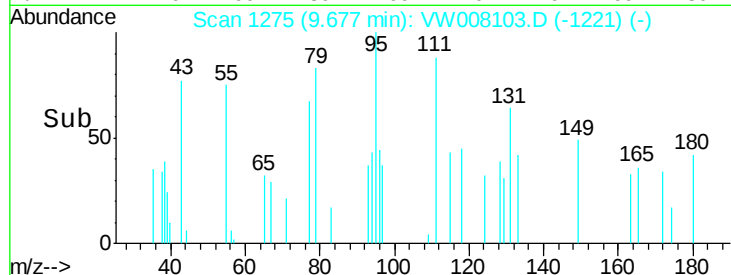
100

50

0

9.66 9.67 9.68 9.69 9.70

Time-->



#48

Methyl methacrylate

Concen: 5.548 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

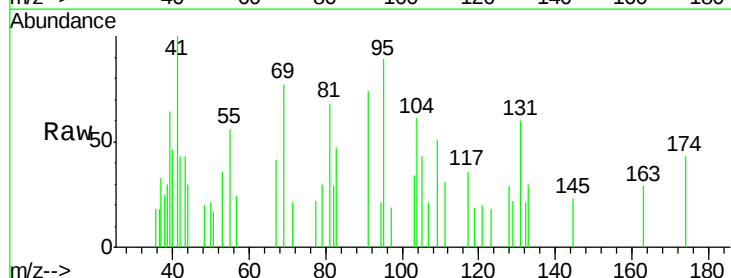
Tgt Ion: 41 Resp: 88

Ion Ratio Lower Upper

41 100

69 110.2 61.9 92.9#

39 142.0 43.0 64.4#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

9.44

400

300

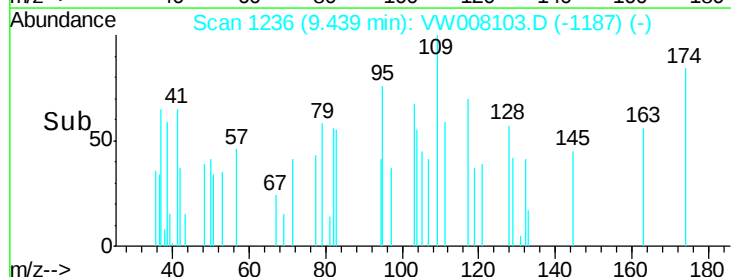
200

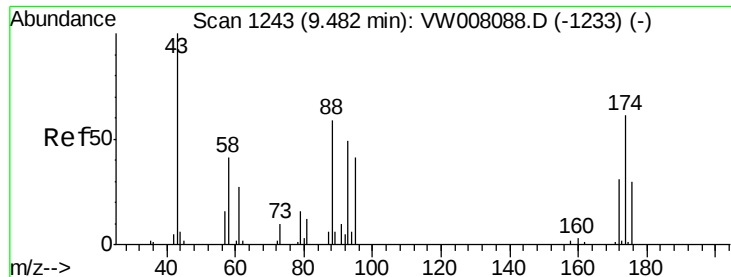
100

0

9.42 9.43 9.44 9.45

Time-->





#49

1,4-Dioxane

Concen: 85.238 ug/l

RT: 9.63 min Scan# 1268

Delta R.T. 0.15 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

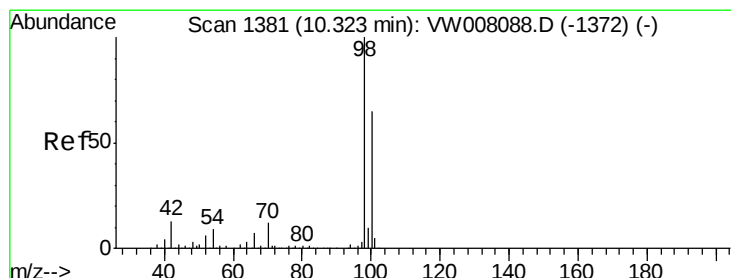
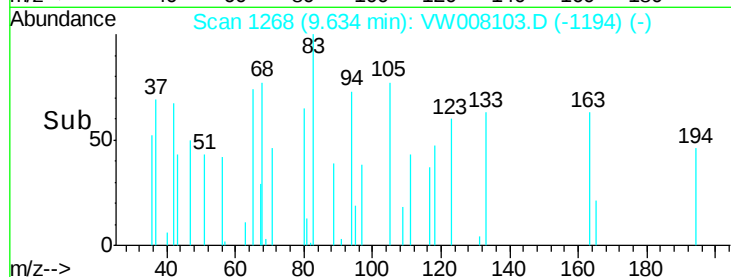
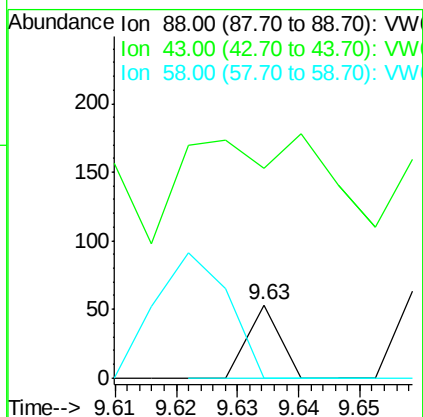
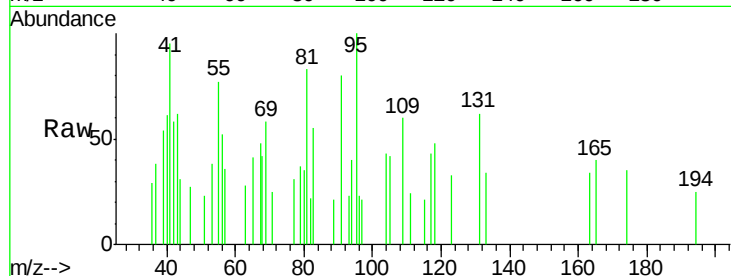
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 652.6 0.0 0.0#

58 400.0 61.7 92.5#



#50

Toluene-d8

Concen: 52.442 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008103.D

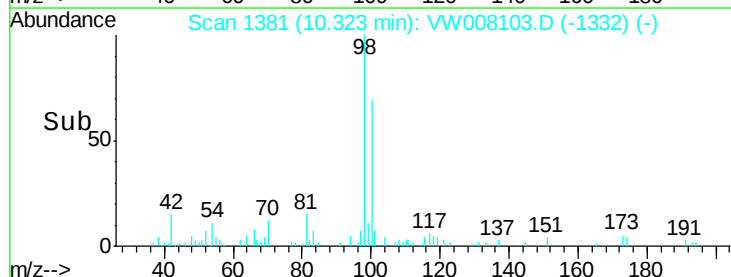
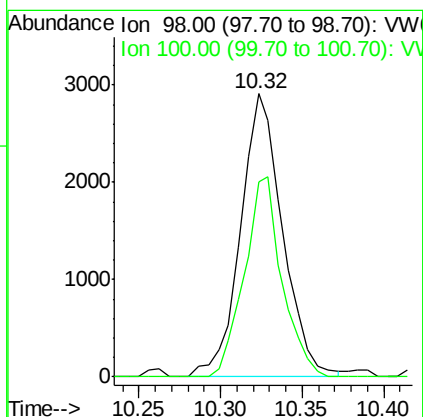
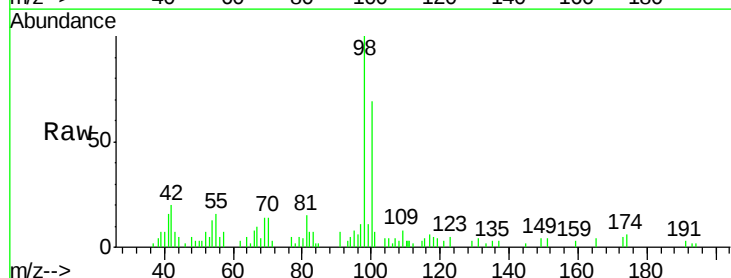
Acq: 09 Jan 2019 15:17

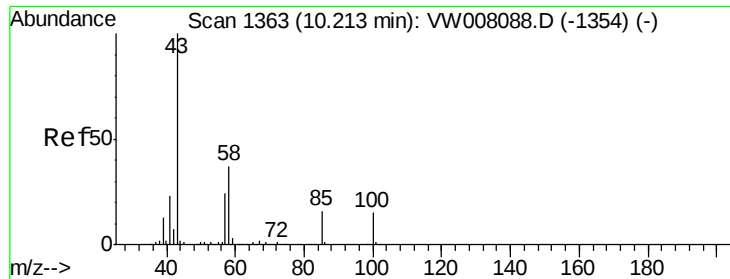
Tgt Ion: 98 Resp: 5229

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 3.442 ug/l

RT: 10.30 min Scan# 1378

Delta R.T. 0.09 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

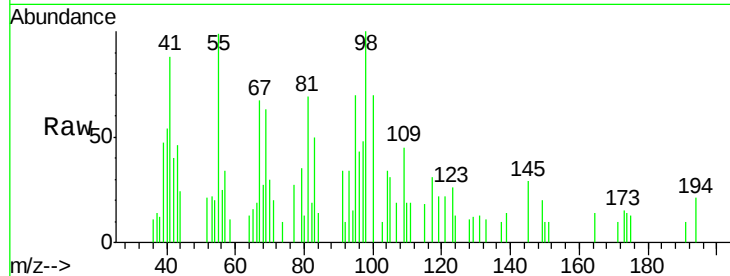
CPSB-3(10-15)RE

Tot Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

58 39.3 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.30

250

200

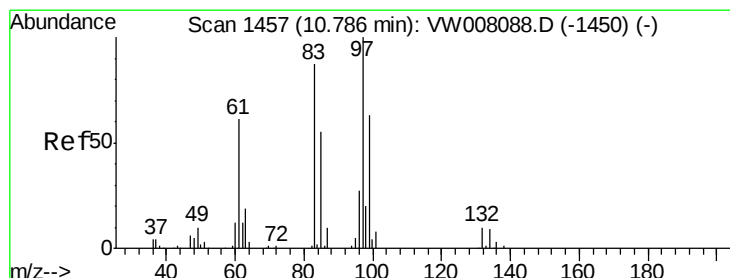
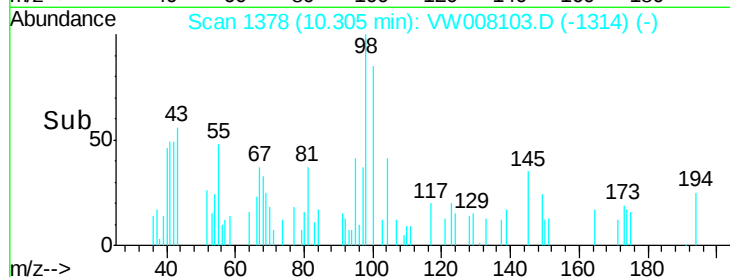
150

100

50

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 4.060 ug/l

RT: 10.80 min Scan# 1460

Delta R.T. 0.02 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Tgt Ion: 97 Resp: 79

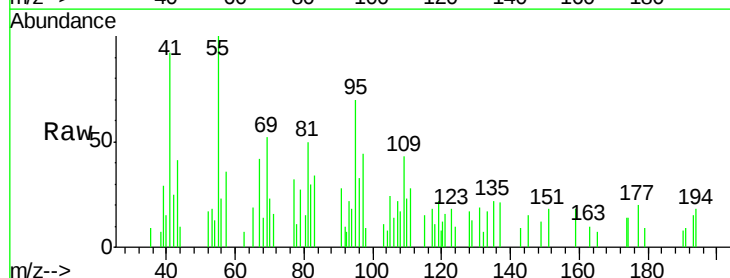
Ion Ratio Lower Upper

97 100

83 38.2 69.3 103.9#

85 0.0 43.8 65.6#

99 0.0 50.0 75.0#



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

600

500

400

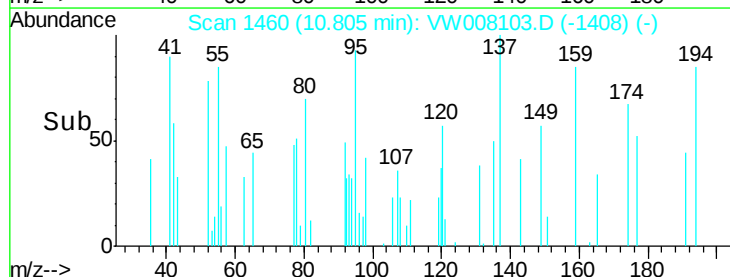
300

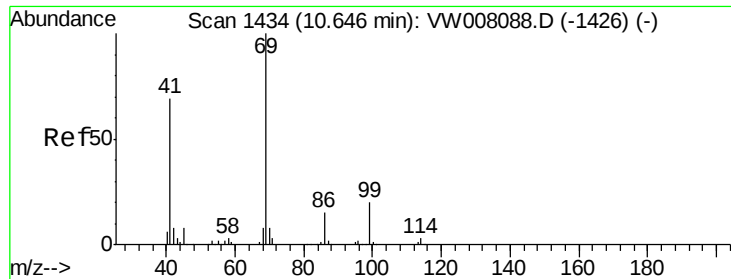
200

100

0

Time-->





#56

Ethyl methacrylate

Concen: 18.133 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

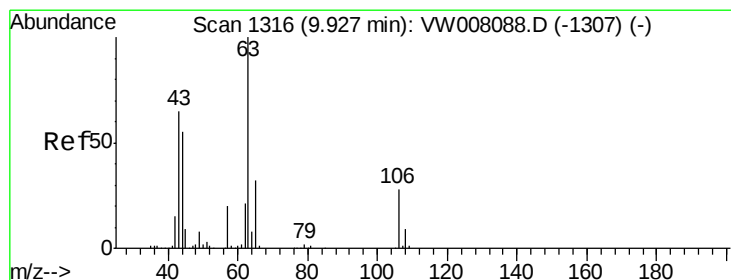
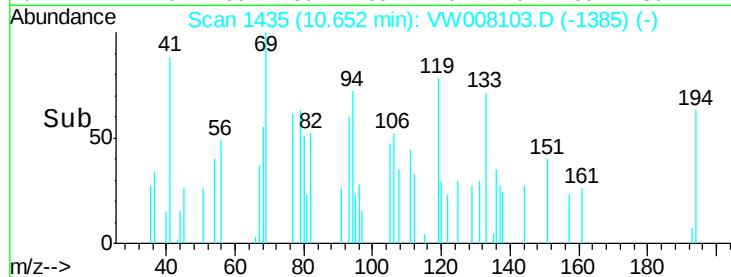
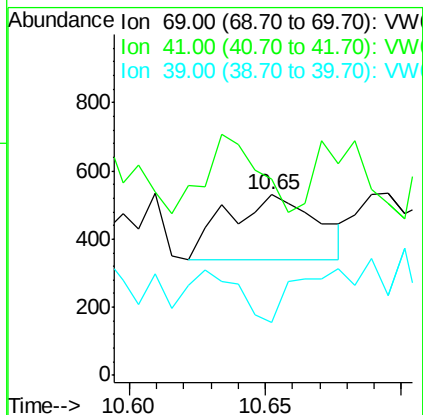
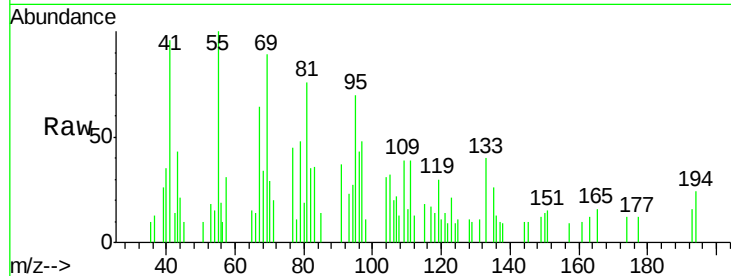
Tot Ion: 69 Resp: 437

Ion Ratio Lower Upper

69 100

41 0.0 56.4 84.6#

39 0.0 28.1 42.1#



#58

2-Chloroethyl Vinyl ether

Concen: 3.615 ug/l

RT: 9.73 min Scan# 1284

Delta R.T. -0.20 min

Lab File: VW008103.D

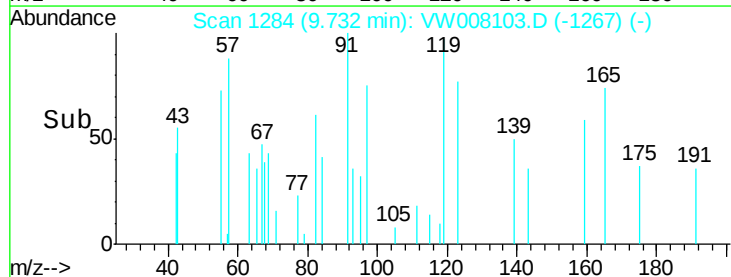
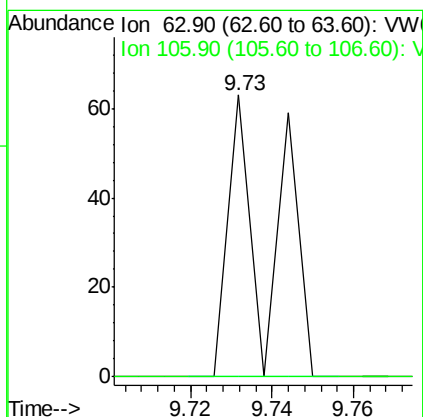
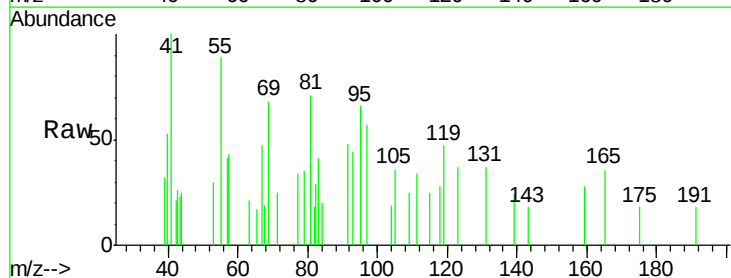
Acq: 09 Jan 2019 15:17

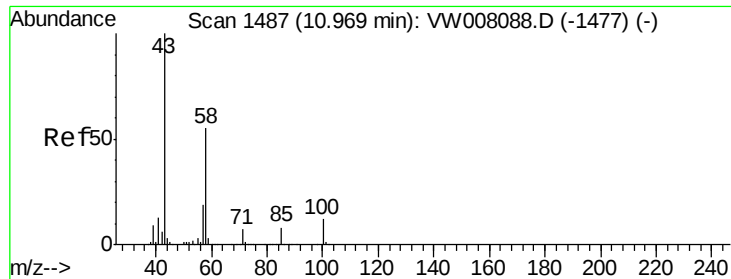
Tgt Ion: 63 Resp: 45

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.6#

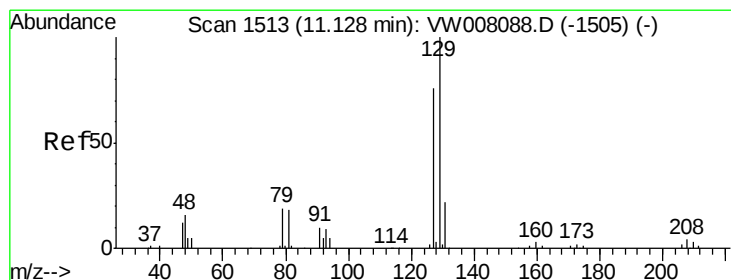
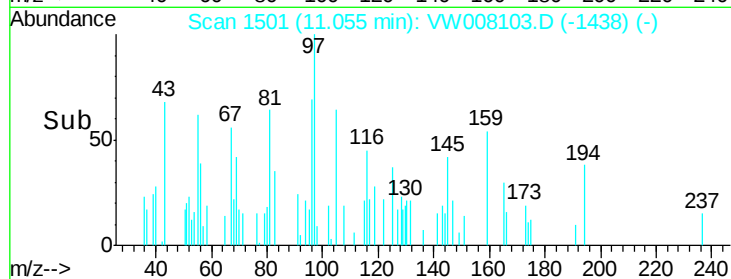
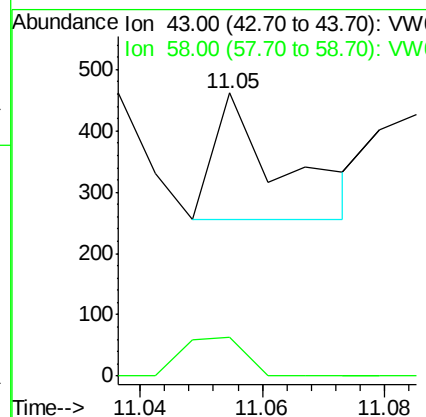
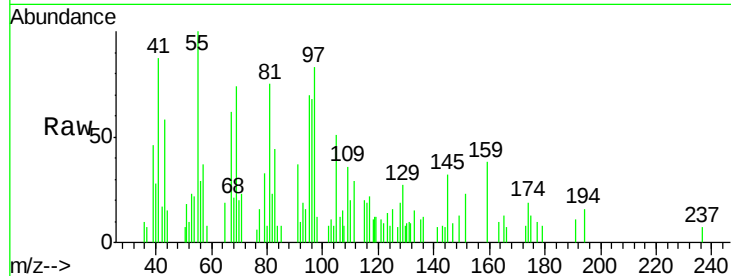




#59
2-Hexanone
Concen: 14.268 ug/l
RT: 11.05 min Scan# 1501
Delta R.T. 0.09 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

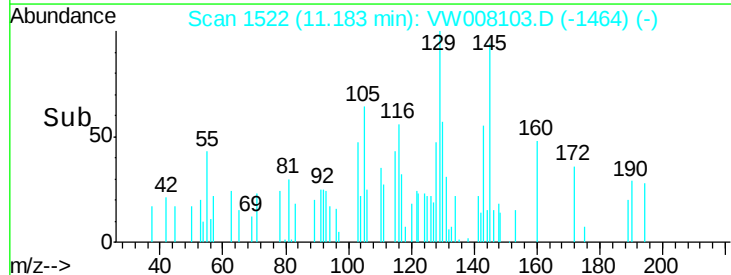
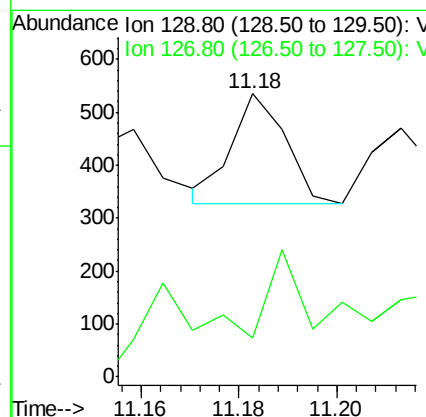
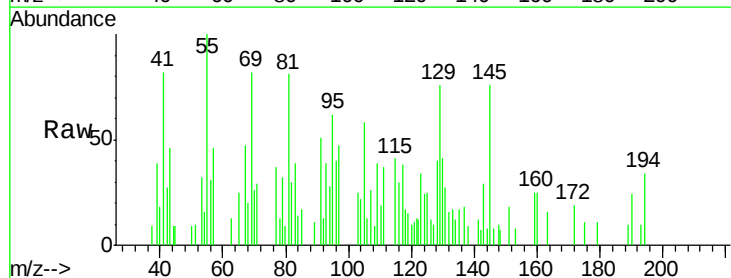
Instrument :
MSVOA_W
ClientSampled :
CPSB-3(10-15)RE

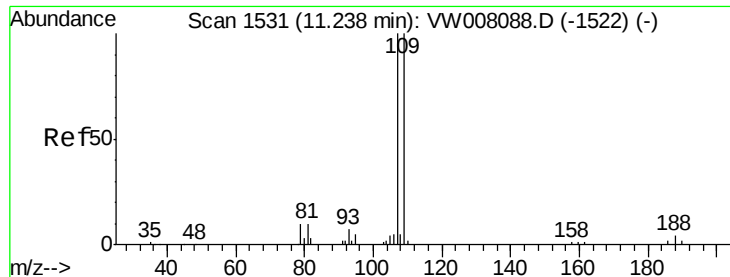
Tot Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
58 28.7 27.2 81.5



#60
Dibromochloromethane
Concen: 7.394 ug/l
RT: 11.18 min Scan# 1522
Delta R.T. 0.05 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion: 129 Resp: 158
Ion Ratio Lower Upper
129 100
127 84.2 38.9 116.6

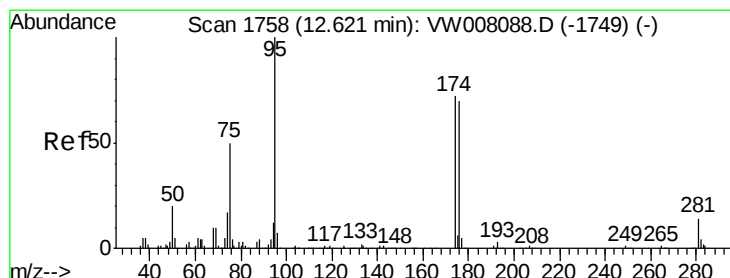
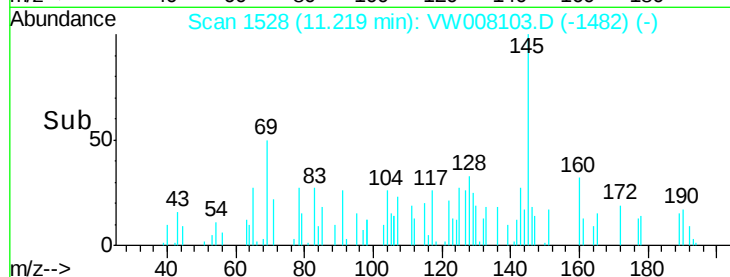
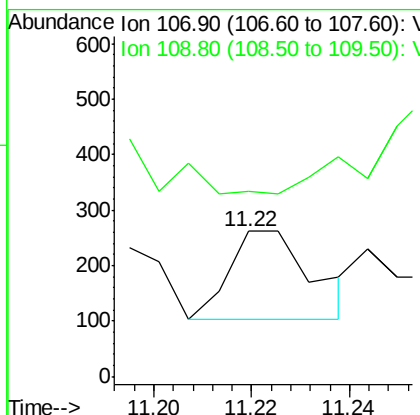
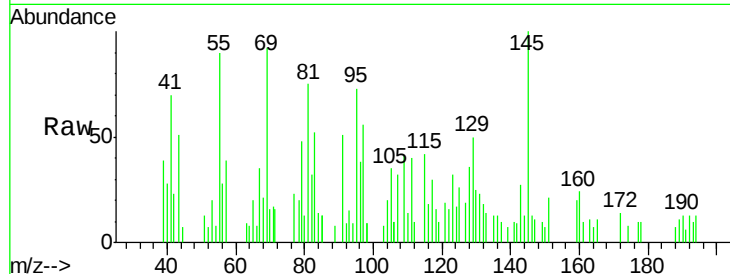




#61
 1,2-Dibromoethane
 Concen: 10.181 ug/l
 RT: 11.22 min Scan# 1528
 Delta R.T. -0.02 min
 Lab File: VW008103.D
 Acq: 09 Jan 2019 15:17

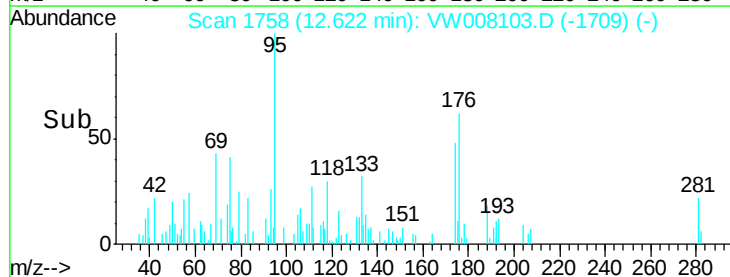
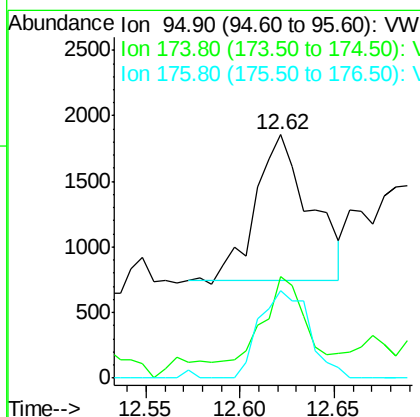
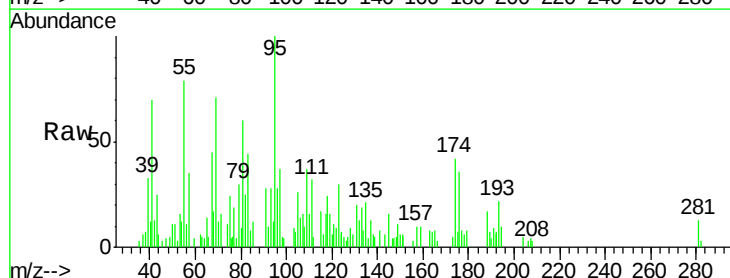
Instrument :
 MSVOA_W
 ClientSampled :
 CPSB-3(10-15)RE

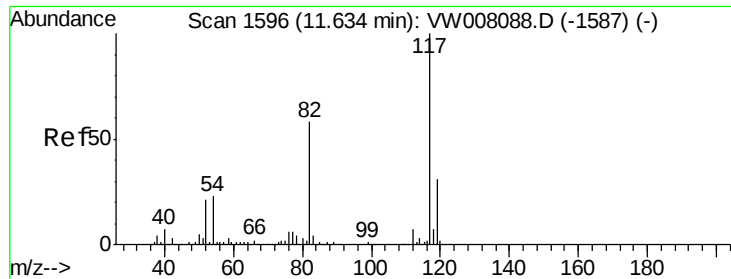
Tot Ion: 107 Resp: 188
 Ion Ratio Lower Upper
 107 100
 109 0.0 75.9 113.9#



#62
 4-Bromofluorobenzene
 Concen: 62.328 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008103.D
 Acq: 09 Jan 2019 15:17

Tgt Ion: 95 Resp: 2228
 Ion Ratio Lower Upper
 95 100
 174 46.8 0.0 143.0
 176 54.9 0.0 140.2

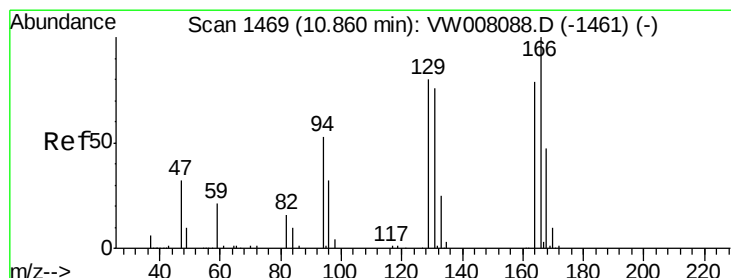
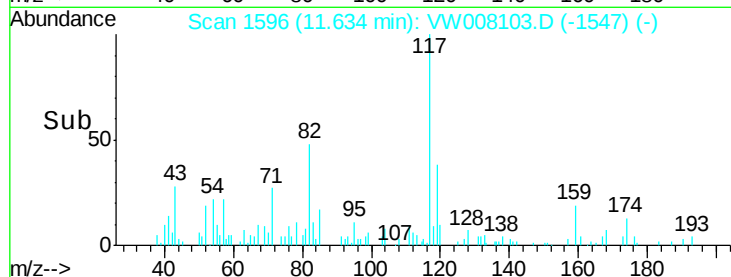
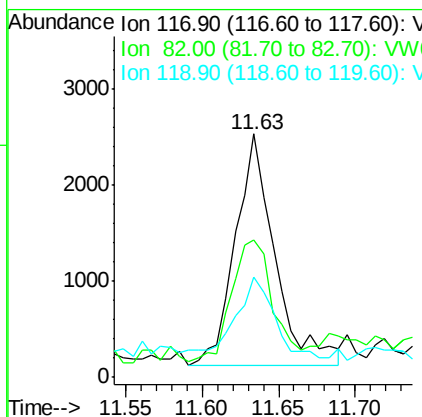
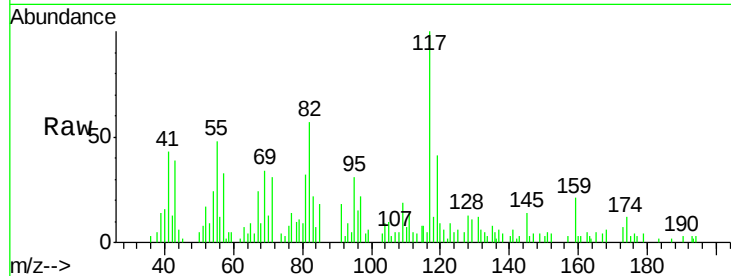




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

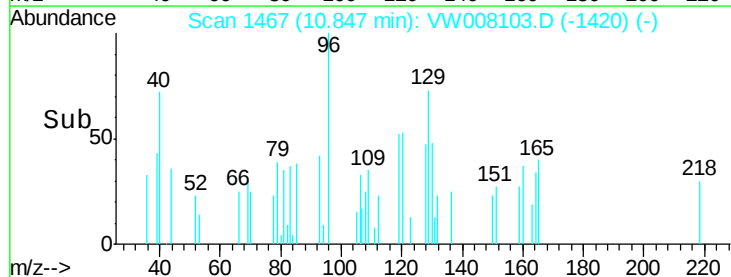
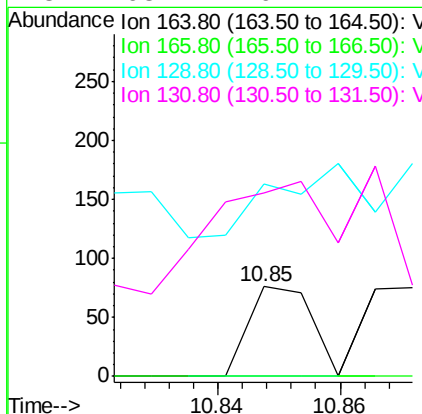
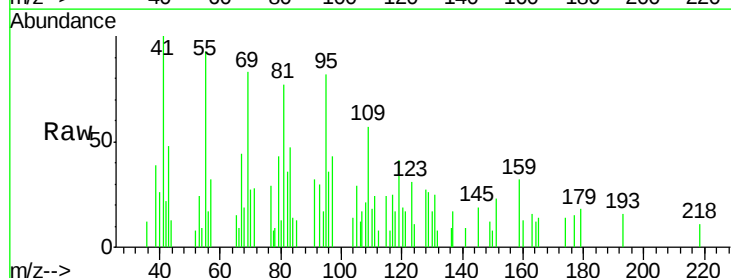
Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)RE

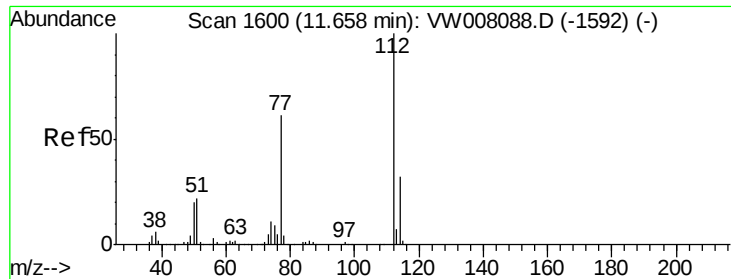
Tot Ion:117 Resp: 4319
Ion Ratio Lower Upper
117 100
82 52.9 46.4 69.6
119 31.3 24.7 37.1



#64
Tetrachloroethene
Concen: 1.921 ug/l
RT: 10.85 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion:164 Resp: 54
Ion Ratio Lower Upper
164 100
166 0.0 100.7 151.1#
129 59.2 81.0 121.4#
131 63.2 76.1 114.1#

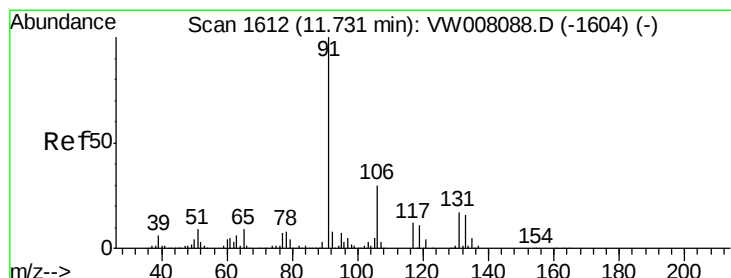
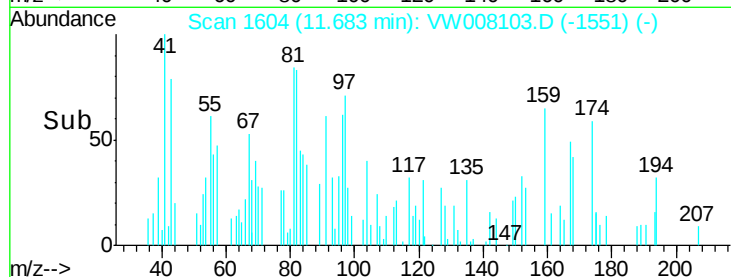
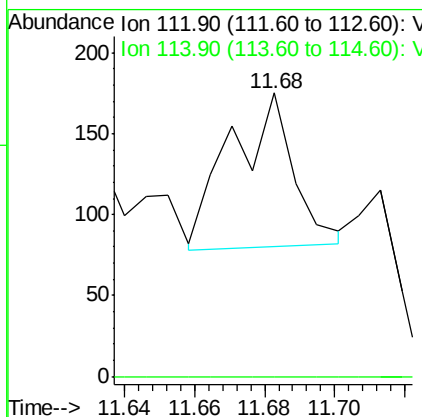
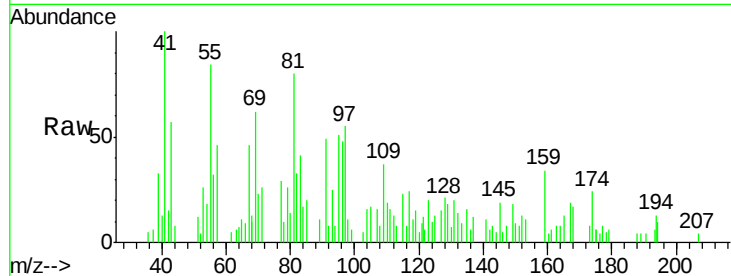




#65
Chlorobenzene
Concen: 1.301 ug/l
RT: 11.68 min Scan# 1604
Delta R.T. 0.02 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

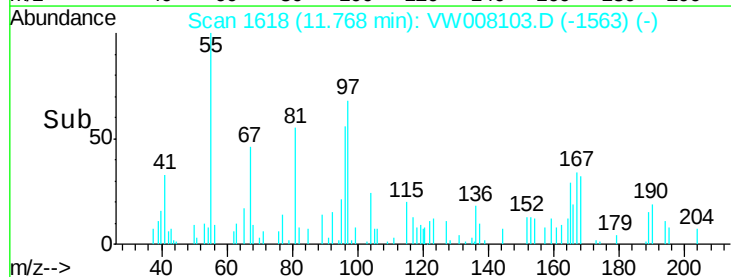
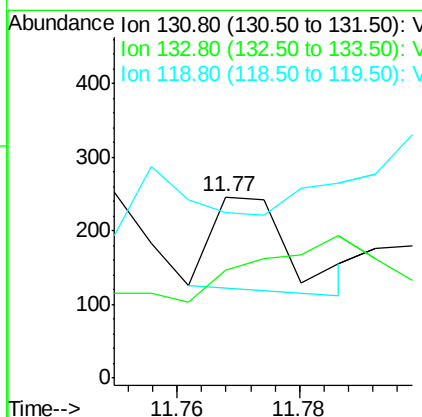
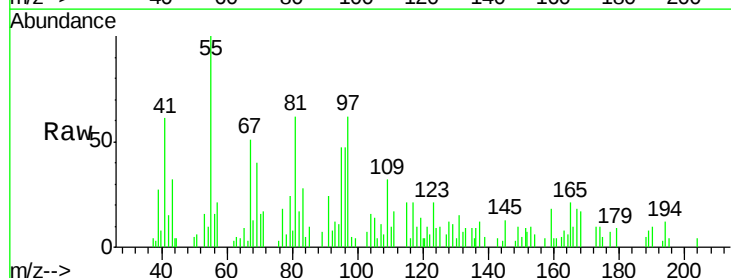
Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)RE

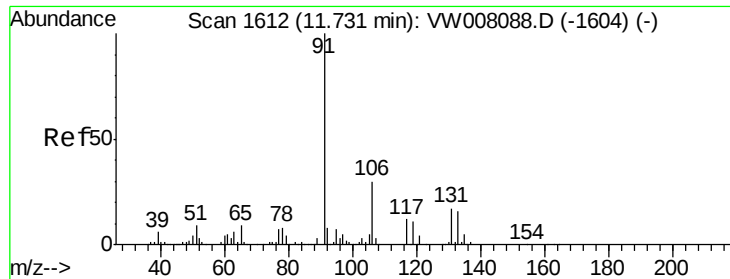
Tot Ion:112 Resp: 119
Ion Ratio Lower Upper
112 100
114 0.0 25.6 38.4#



#66
1,1,1,2-Tetrachloroethane
Concen: 3.696 ug/l
RT: 11.77 min Scan# 1618
Delta R.T. 0.04 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion:131 Resp: 110
Ion Ratio Lower Upper
131 100
133 0.0 47.9 143.7#
119 102.7 32.5 97.4#

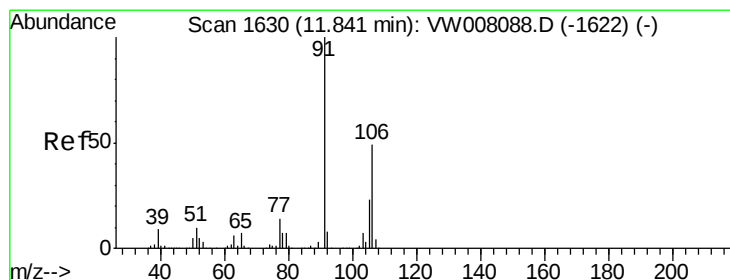
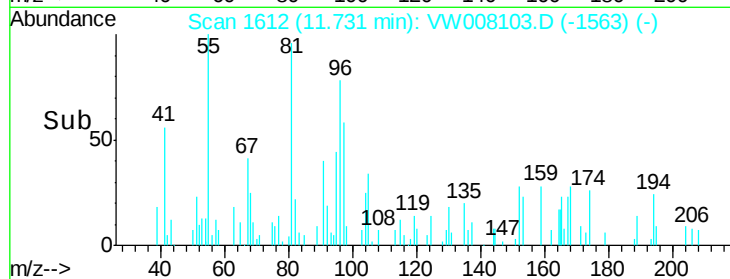
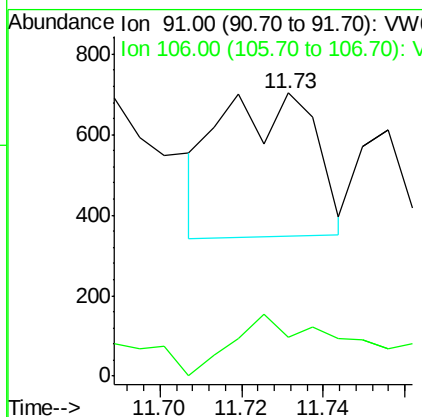
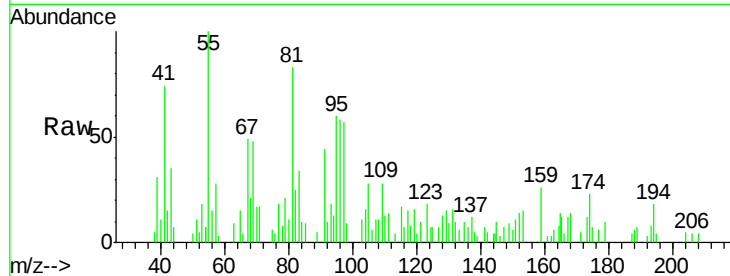




#67
Ethyl Benzene
Concen: 3.417 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

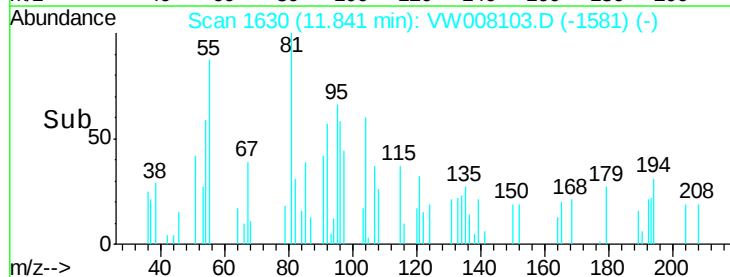
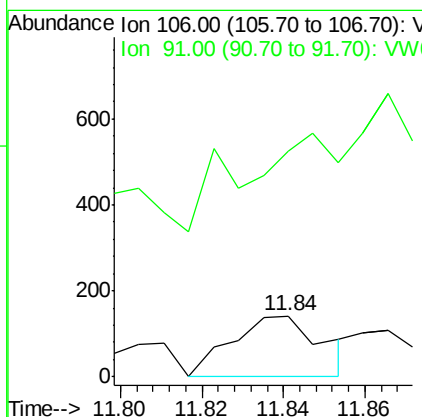
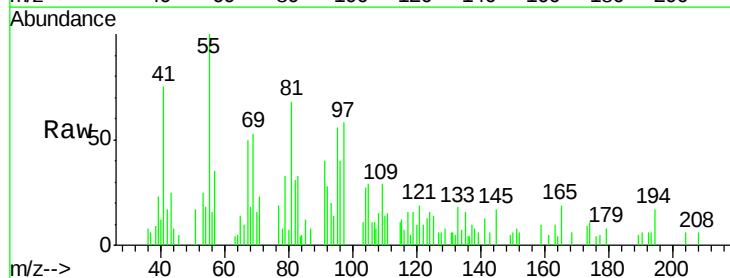
Instrument :
MSVOA_W
ClientSampled :
CPSB-3(10-15)RE

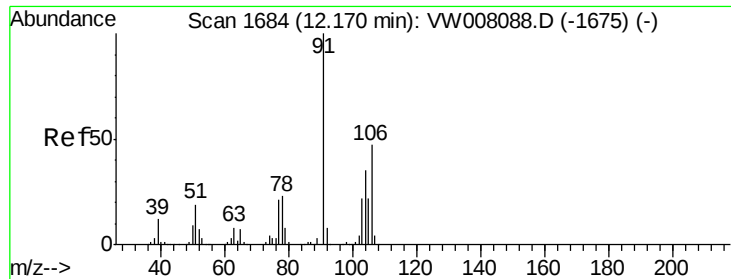
Tot Ion: 91 Resp: 572
Ion Ratio Lower Upper
91 100
106 32.0 24.2 36.4



#68
m/p-Xylenes
Concen: 3.411 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion: 106 Resp: 218
Ion Ratio Lower Upper
106 100
91 0.0 162.4 243.6#

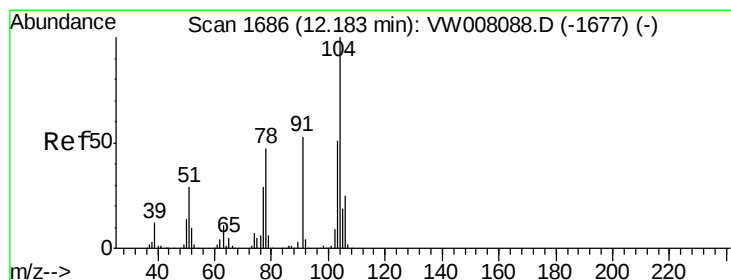
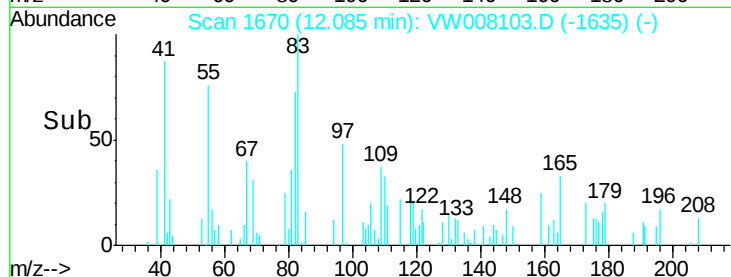
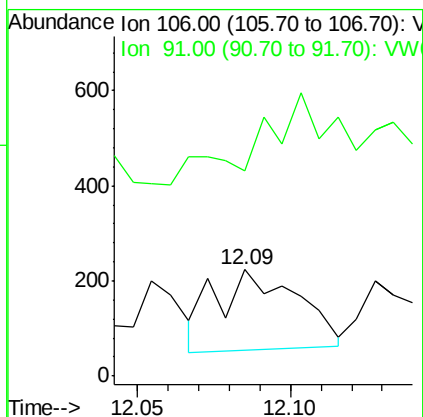
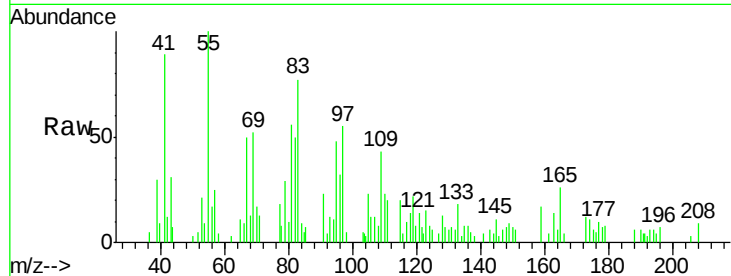




#69
o-Xylene
Concen: 5.289 ug/l
RT: 12.09 min Scan# 1670
Delta R.T. -0.09 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

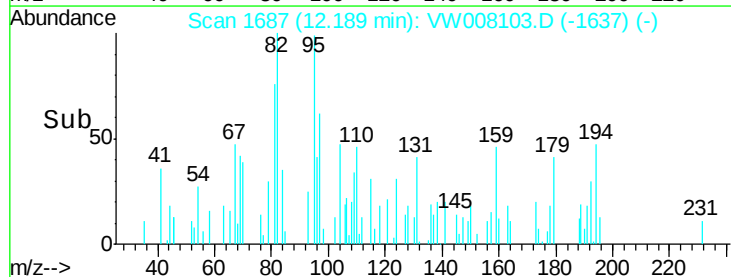
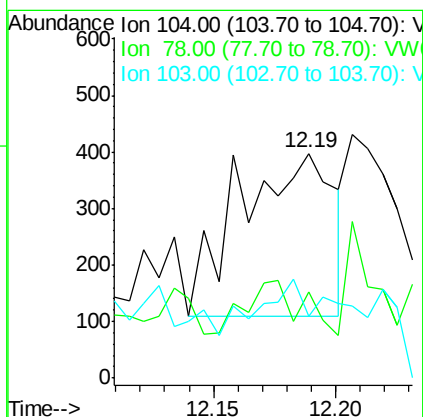
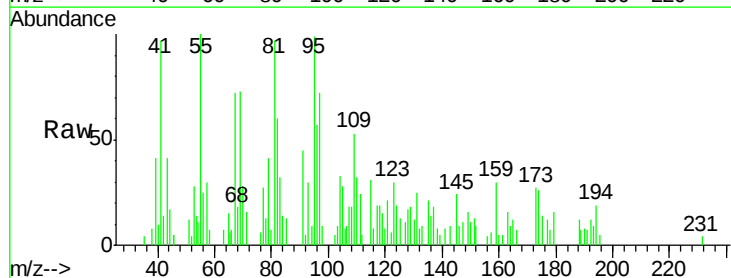
Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)RE

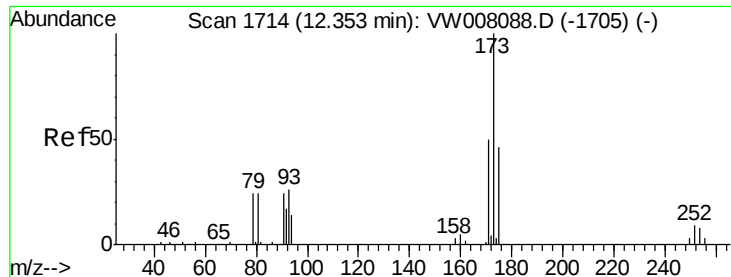
Tot Ion:106 Resp: 313
Ion Ratio Lower Upper
106 100
91 109.6 107.8 323.6



#70
Styrene
Concen: 8.296 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion:104 Resp: 769
Ion Ratio Lower Upper
104 100
78 20.2 41.8 62.8#
103 25.2 43.8 65.8#





#71

Bromoform

Concen: 17.193 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

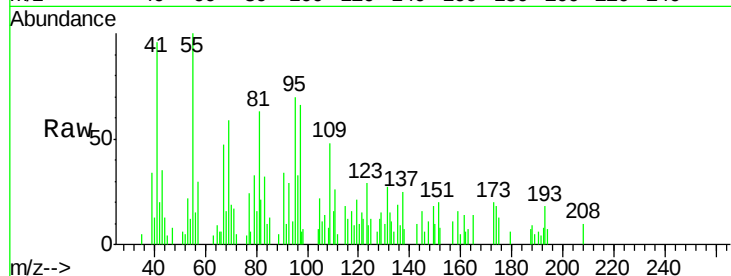
Tot Ion:173 Resp: 229

Ion Ratio Lower Upper

173 100

175 99.6 23.3 69.8#

254 0.0 0.0 0.0

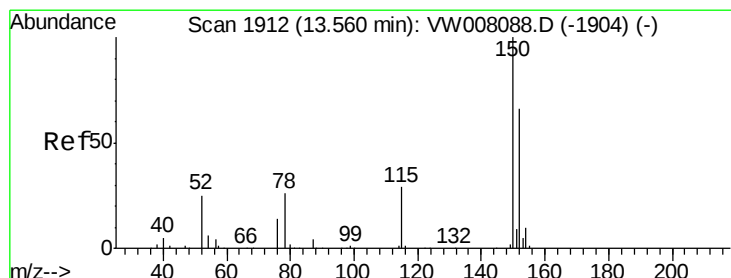
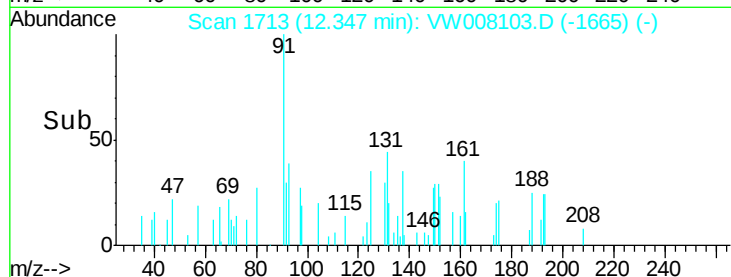


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time--> 12.30 12.32 12.34 12.36



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

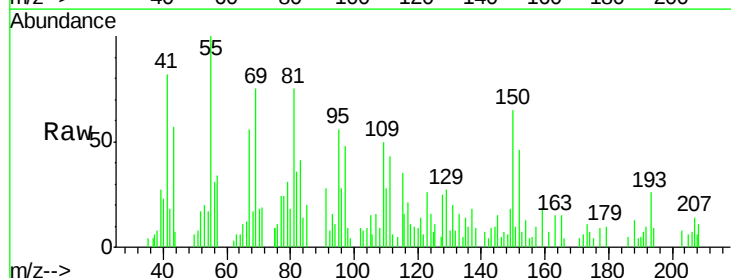
Tgt Ion:152 Resp: 1692

Ion Ratio Lower Upper

152 100

115 35.4 30.8 92.4

150 112.3 0.0 350.2

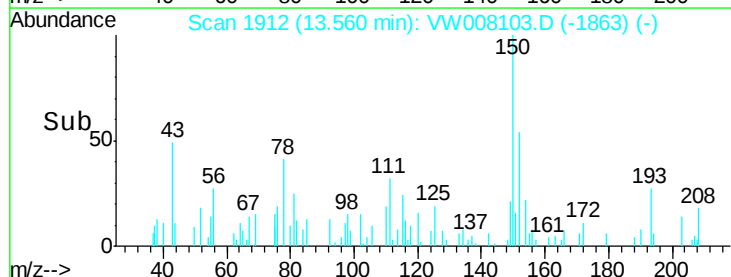


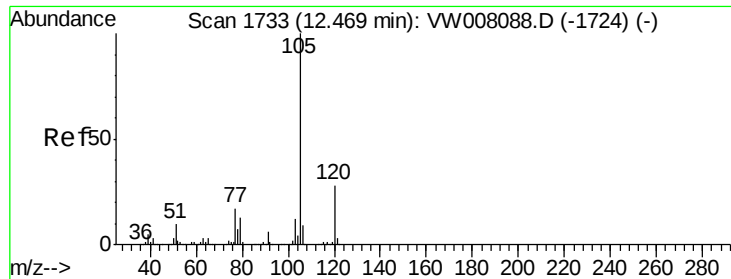
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time--> 13.50 13.55 13.60 13.65





#73

Isopropylbenzene

Concen: 2.597 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.15 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

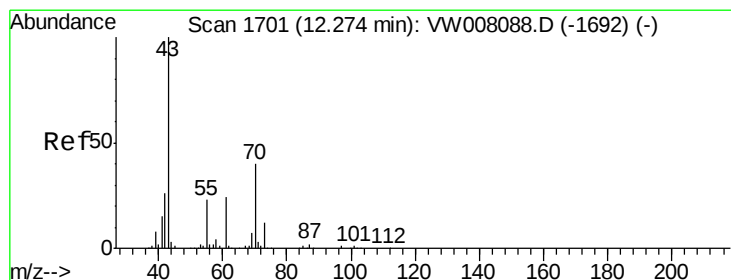
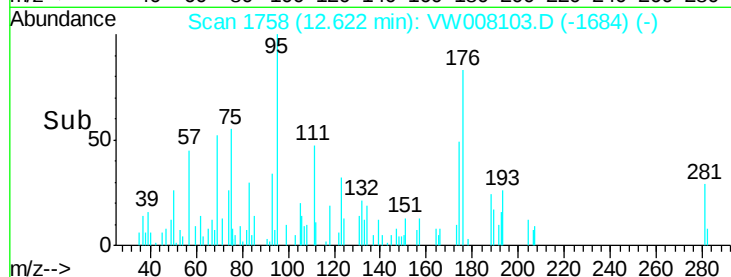
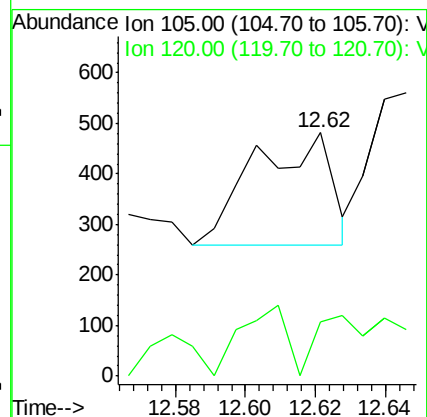
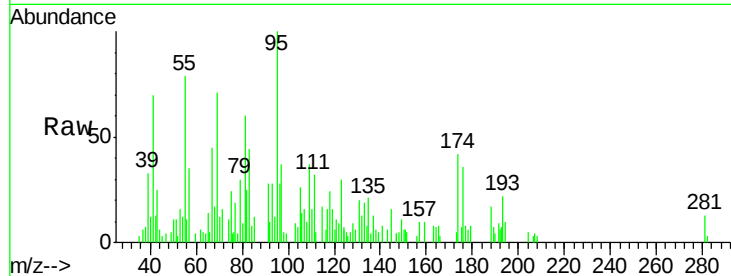
CPSB-3(10-15)RE

Tot Ion: 105 Resp: 345

Ion Ratio Lower Upper

105 100

120 32.5 13.6 40.8



#74

N-ethyl acetate

Concen: 5.847 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Tgt Ion: 43 Resp: 172

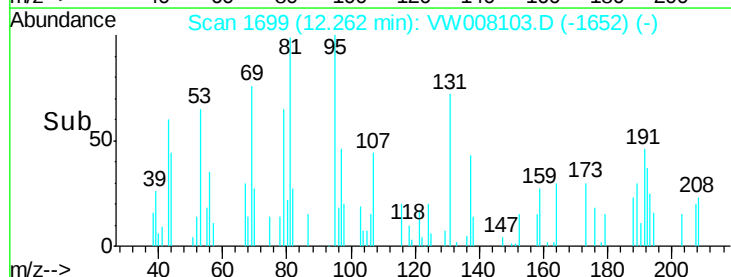
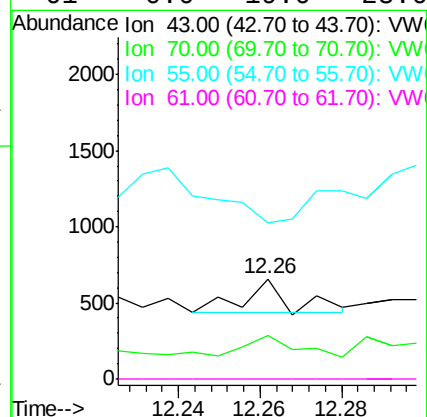
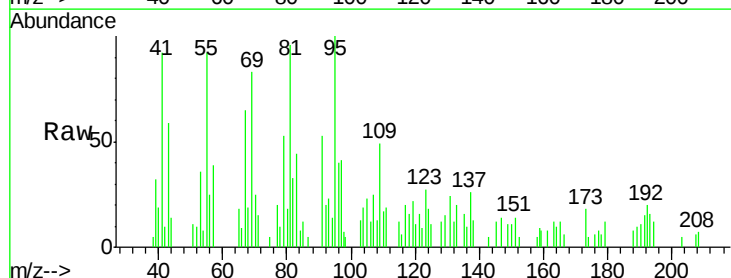
Ion Ratio Lower Upper

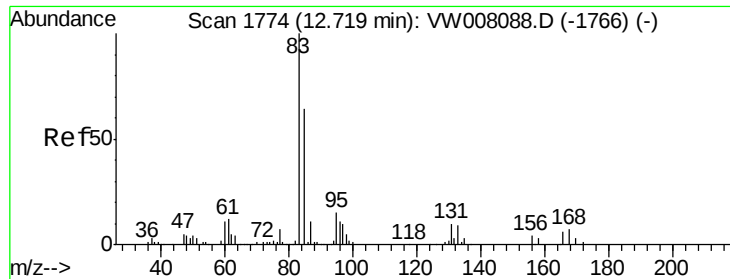
43 100

70 73.8 32.4 48.6#

55 0.0 18.7 28.1#

61 0.0 19.0 28.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 163.480 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.03 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

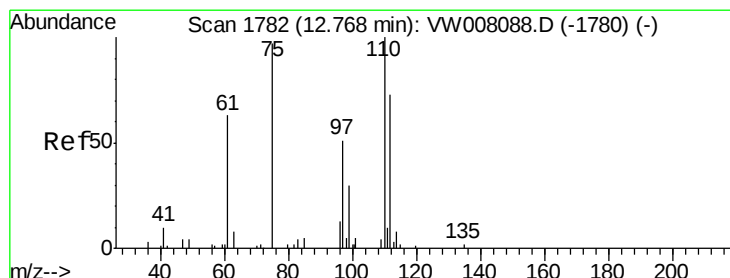
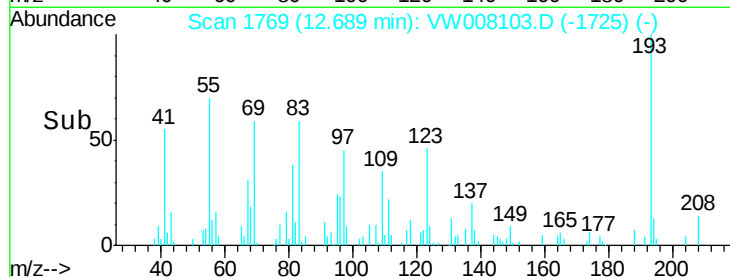
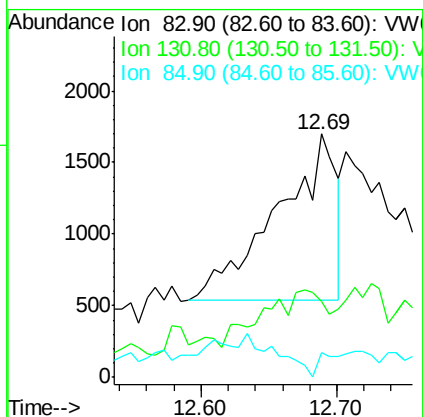
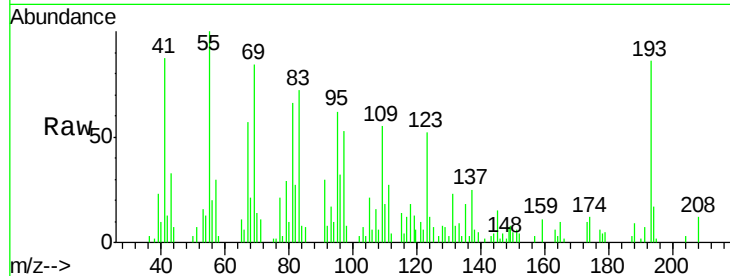
Tot Ion: 83 Resp: 3476

Ion Ratio Lower Upper

83 100

131 35.8 5.3 16.1#

85 0.0 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 3.177 ug/l

RT: 12.98 min Scan# 1816

Delta R.T. 0.21 min

Lab File: VW008103.D

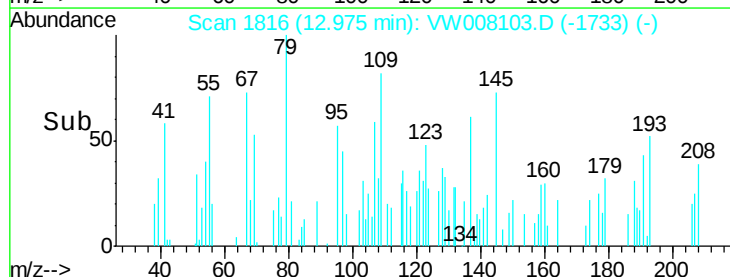
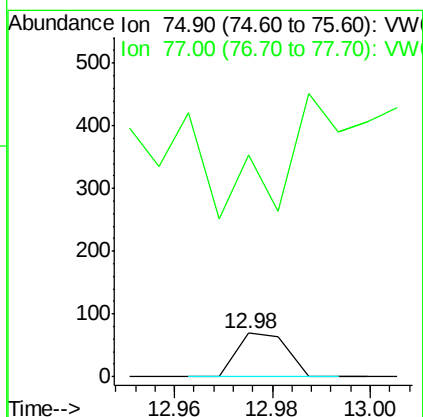
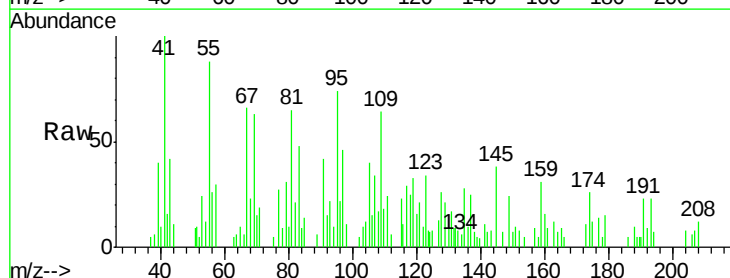
Acq: 09 Jan 2019 15:17

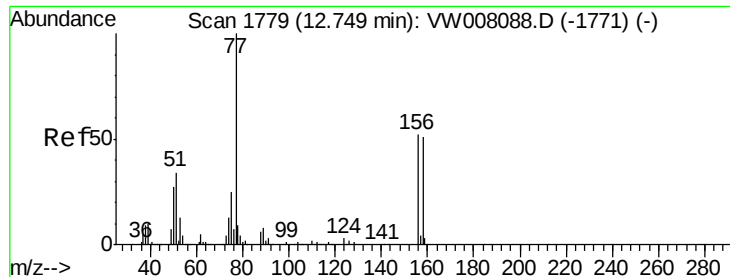
Tgt Ion: 75 Resp: 49

Ion Ratio Lower Upper

75 100

77 361.2 179.4 538.2





#77

Bromobenzene

Concen: 1.817 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.12 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

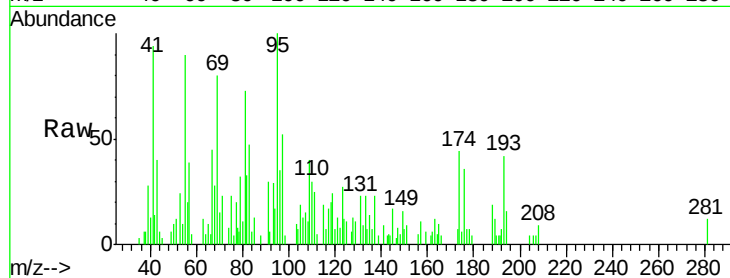
Tot Ion:156 Resp: 51

Ion Ratio Lower Upper

156 100

77 800.0 104.2 312.5#

158 0.0 47.9 143.6#

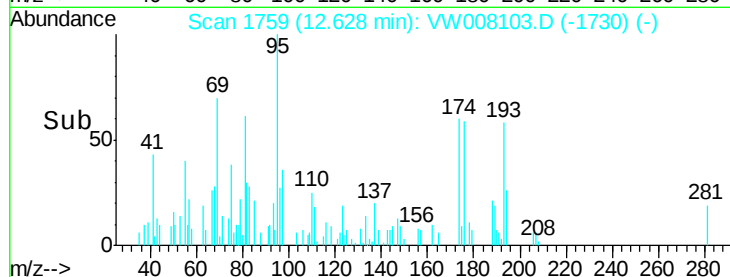


Abundance Ion 155.80 (155.50 to 156.50): V

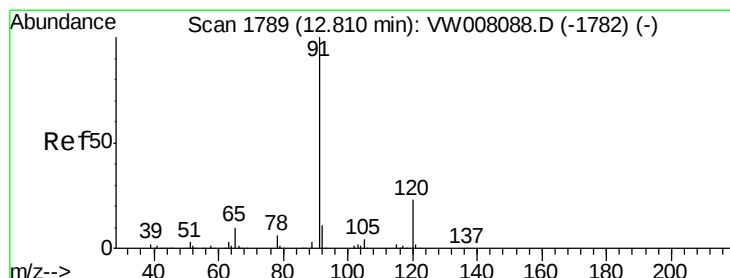
Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 2.396 ug/l

RT: 12.84 min Scan# 1794

Delta R.T. 0.03 min

Lab File: VW008103.D

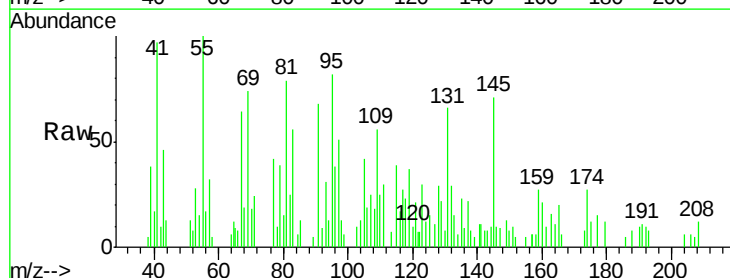
Acq: 09 Jan 2019 15:17

Tgt Ion: 91 Resp: 390

Ion Ratio Lower Upper

91 100

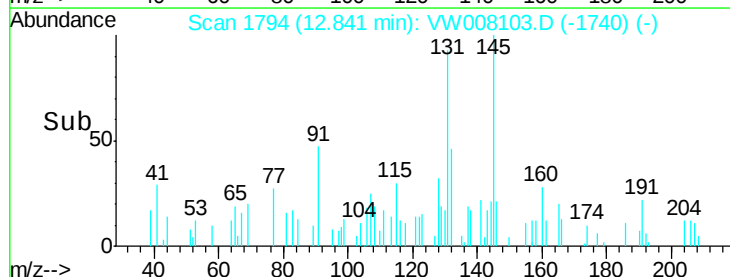
120 14.4 11.3 33.8



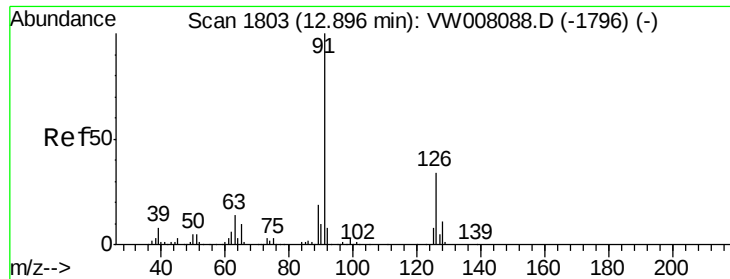
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

Time-->



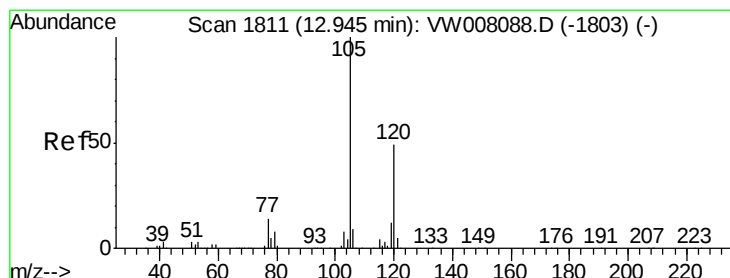
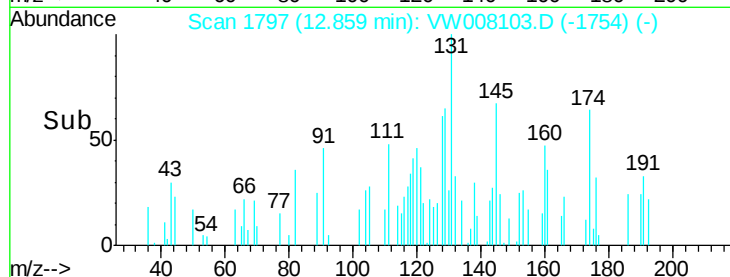
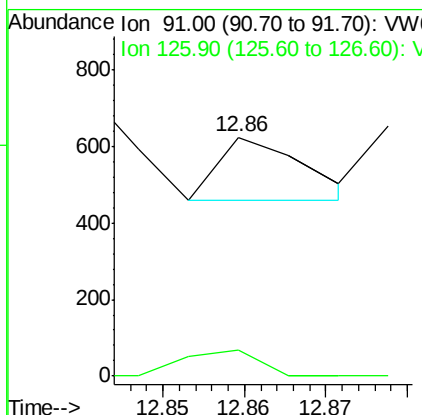
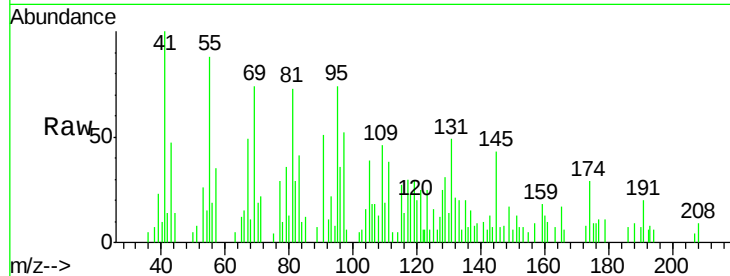
Time-->



#79
2-Chlorotoluene
Concen: 1.299 ug/l
RT: 12.86 min Scan# 1797
Delta R.T. -0.04 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

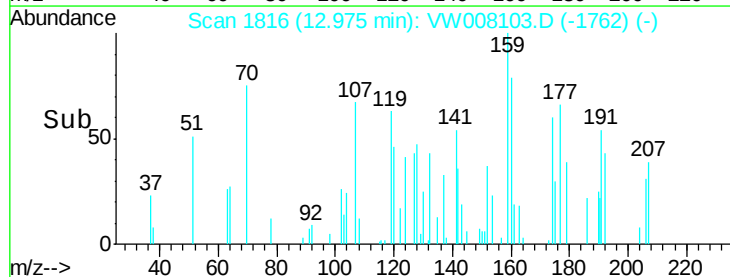
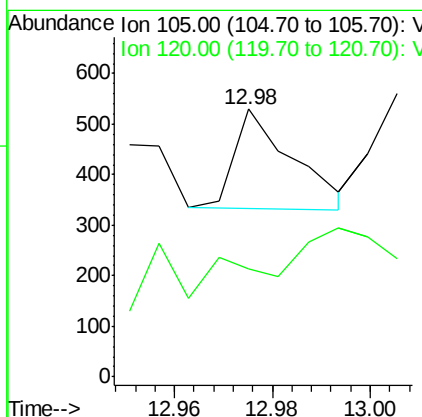
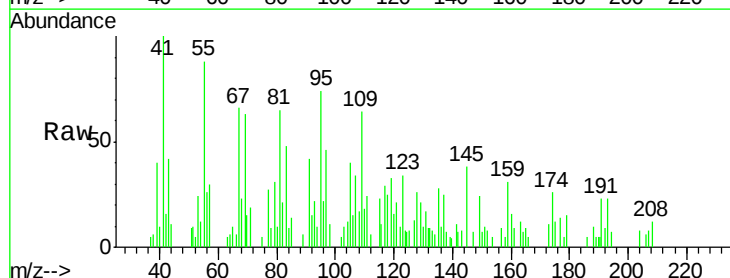
Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)RE

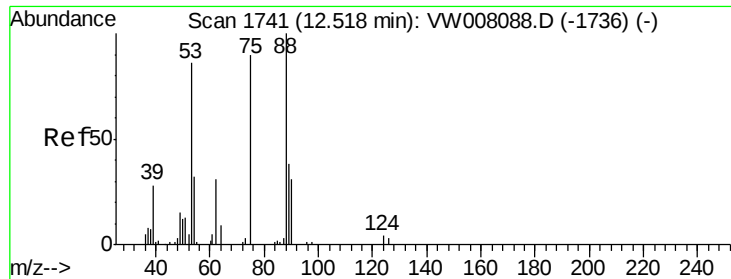
Tot Ion: 91 Resp: 118
Ion Ratio Lower Upper
91 100
126 37.3 16.8 50.3



#80
1,3,5-Trimethylbenzene
Concen: 1.475 ug/l
RT: 12.98 min Scan# 1816
Delta R.T. 0.03 min
Lab File: VW008103.D
Acq: 09 Jan 2019 15:17

Tgt Ion:105 Resp: 161
Ion Ratio Lower Upper
105 100
120 36.0 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 6.341 ug/l

RT: 12.43 min Scan# 1726

Delta R.T. -0.09 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

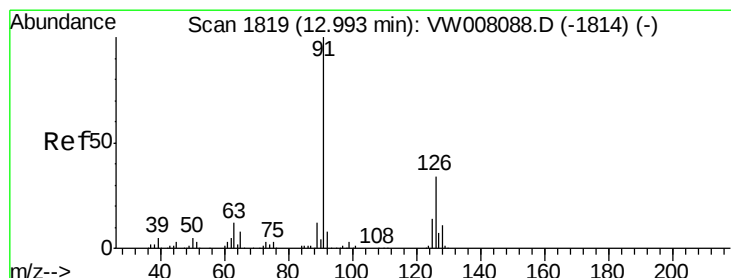
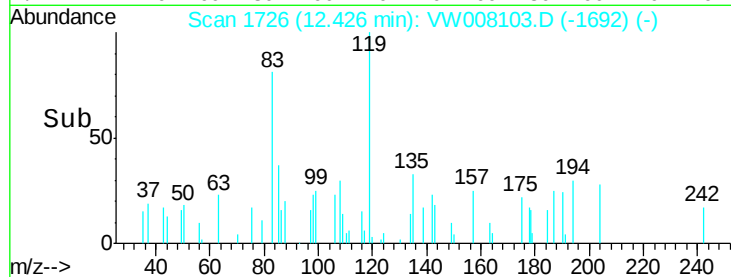
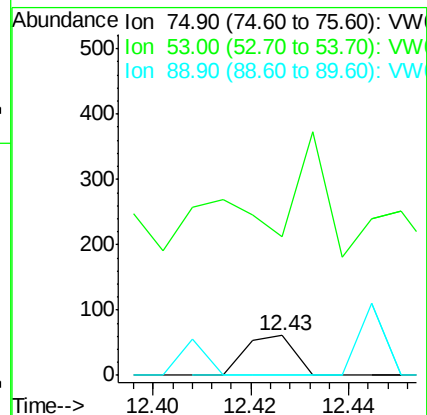
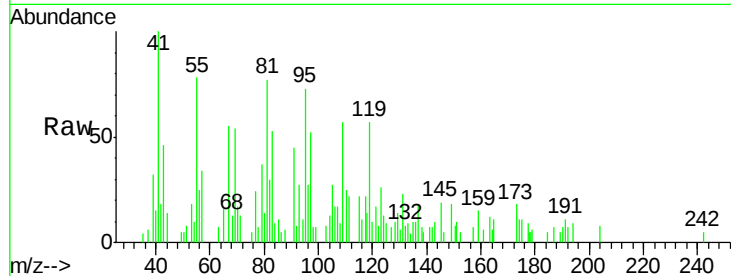
Tot Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

53 138.1 78.8 118.2#

89 0.0 35.4 53.2#



#82

4-Chlorotoluene

Concen: 4.371 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008103.D

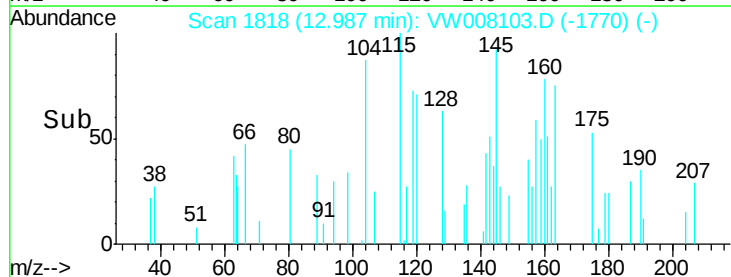
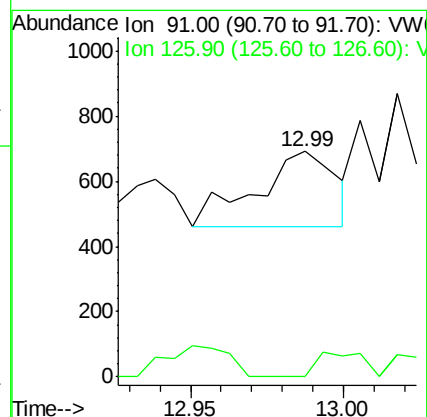
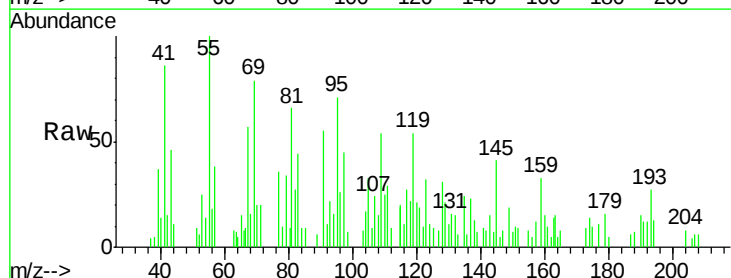
Acq: 09 Jan 2019 15:17

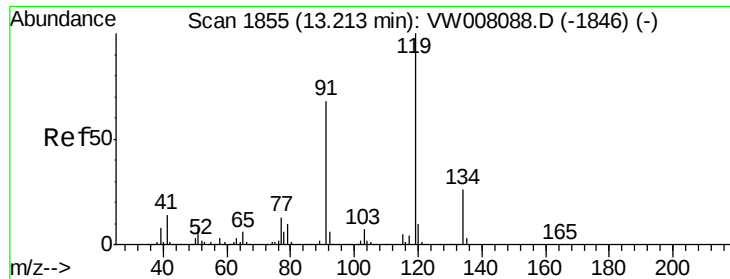
Tgt Ion: 91 Resp: 418

Ion Ratio Lower Upper

91 100

126 18.7 16.5 49.5





#83

tert-Butylbenzene

Concen: 2.848 ug/l

RT: 13.22 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

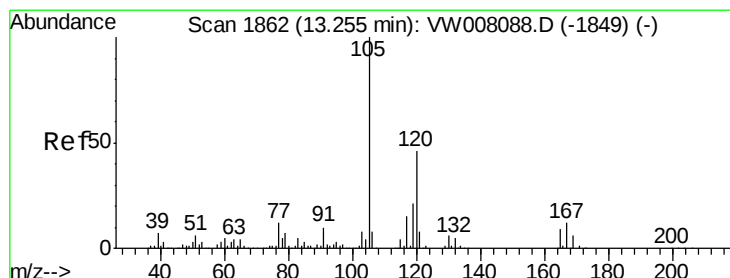
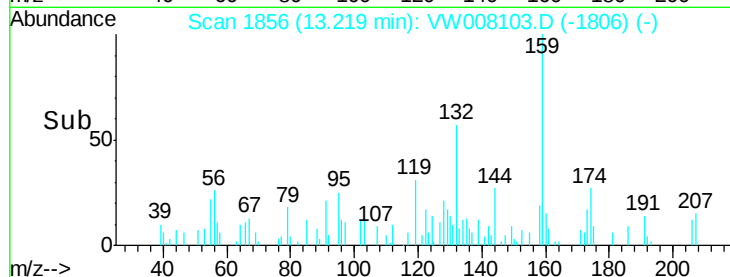
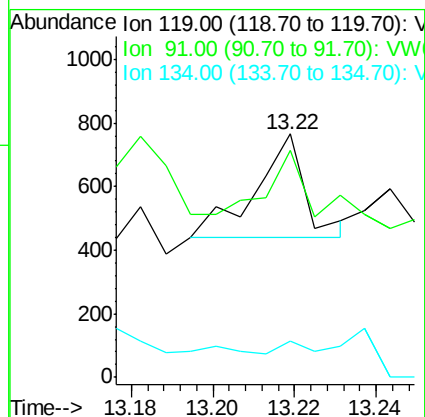
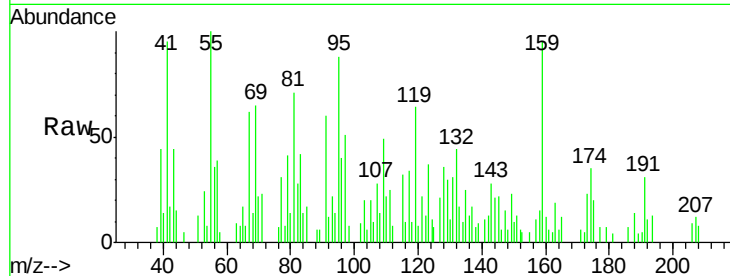
Tot Ion:119 Resp: 275

Ion Ratio Lower Upper

119 100

91 80.0 33.9 101.6

134 59.6 13.6 40.8#



#84

1,2,4-Trimethylbenzene

Concen: 2.762 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.24 min

Lab File: VW008103.D

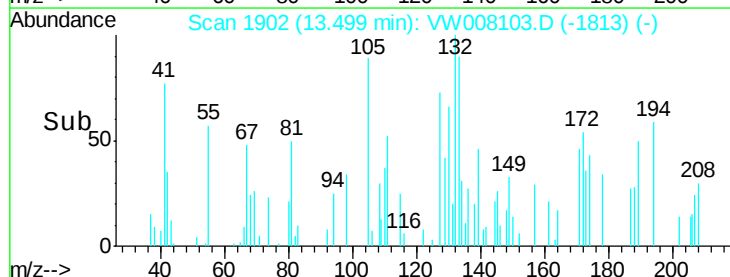
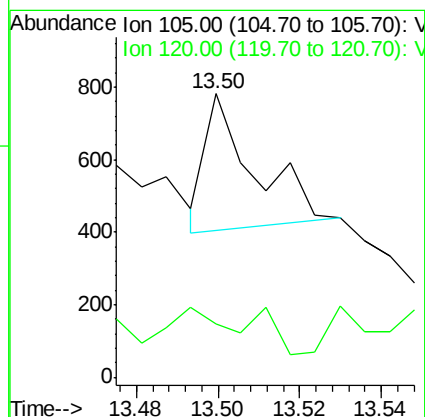
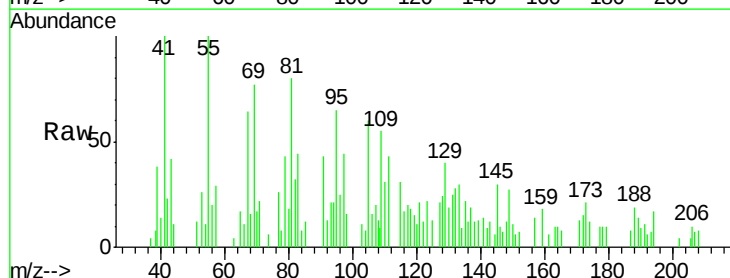
Acq: 09 Jan 2019 15:17

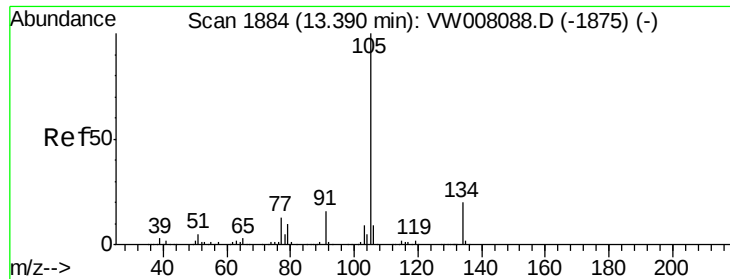
Tgt Ion:105 Resp: 311

Ion Ratio Lower Upper

105 100

120 60.1 22.7 68.1

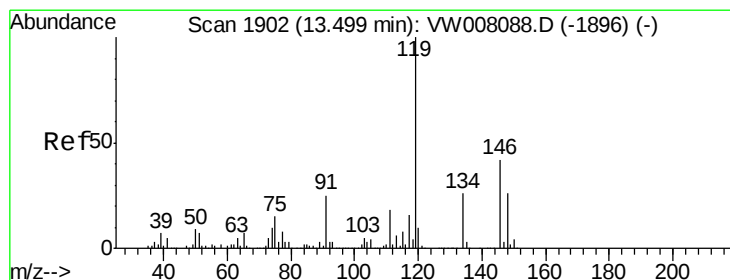
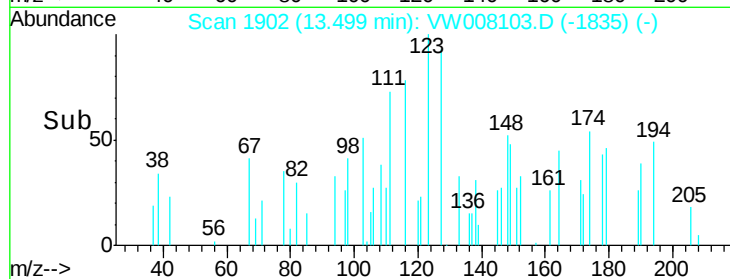
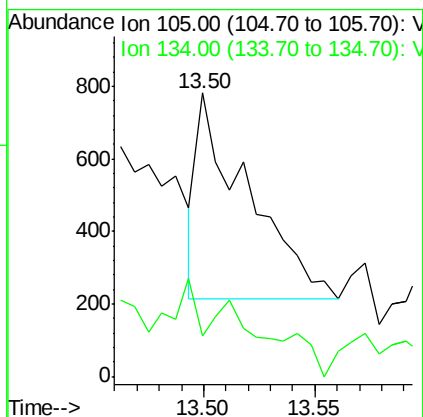
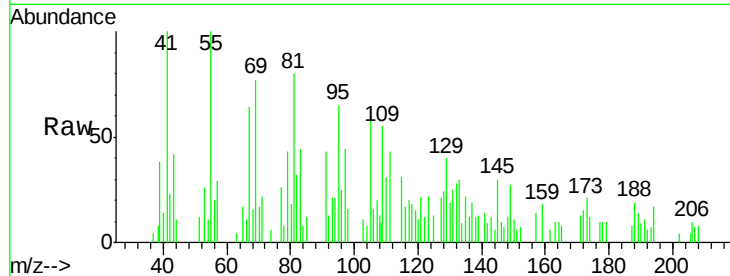




#85
 sec-Butylbenzene
 Concen: 6.334 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.11 min
 Lab File: VW008103.D
 Acq: 09 Jan 2019 15:17

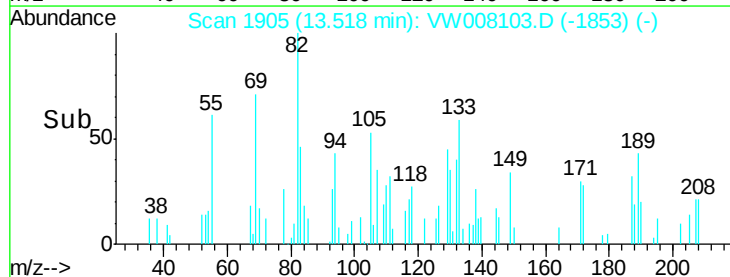
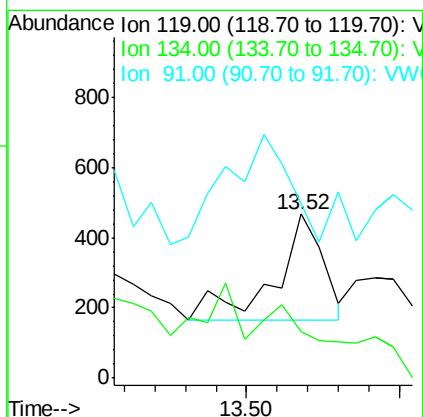
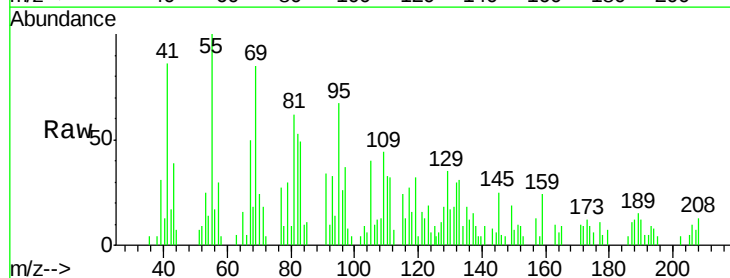
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-3(10-15)RE

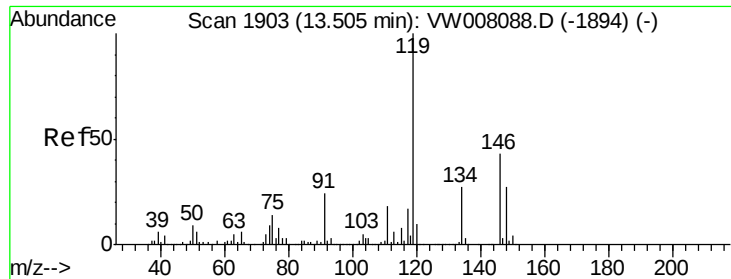
Tot Ion:105 Resp: 896
 Ion Ratio Lower Upper
 105 100
 134 10.8 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 2.726 ug/l
 RT: 13.52 min Scan# 1905
 Delta R.T. 0.02 min
 Lab File: VW008103.D
 Acq: 09 Jan 2019 15:17

Tgt Ion:119 Resp: 333
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.3 39.8#
 91 135.7 12.3 36.9#





#87

1,3-Dichlorobenzene

Concen: 3.864 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008103.D

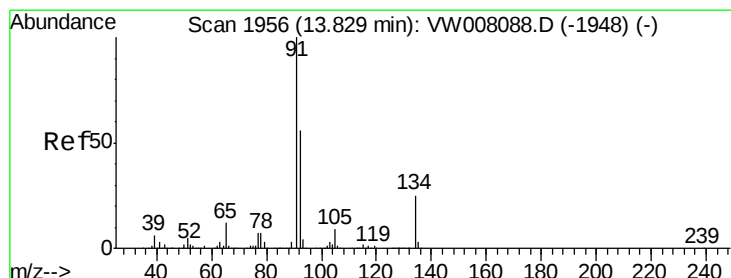
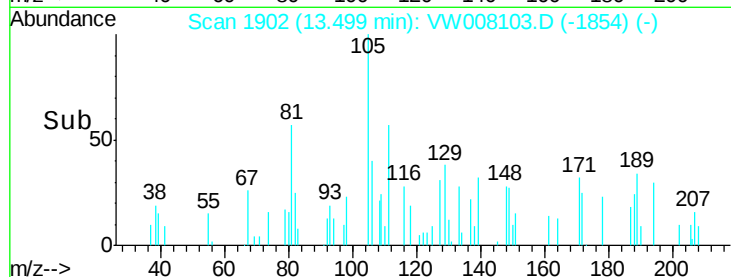
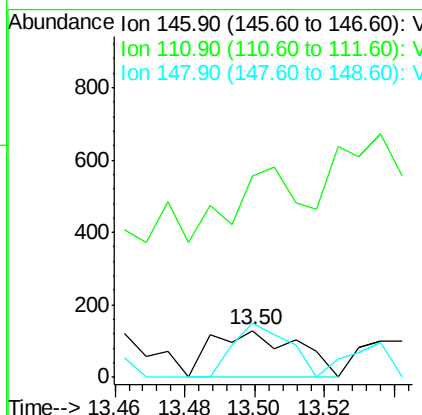
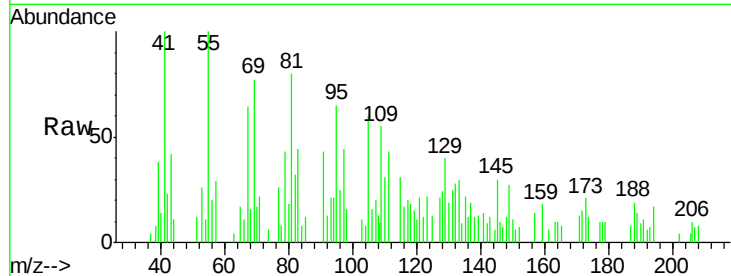
Acq: 09 Jan 2019 15:17

Instrument :
MSVOA_W

ClientSampleId :
CPSB-3(10-15)RE

Tot Ion:146 Resp: 220

Ion	Ratio	Lower	Upper
146	100		
111	231.4	21.1	63.1#
148	74.1	31.3	93.9



#89

n-Butylbenzene

Concen: 4.973 ug/l

RT: 14.08 min Scan# 1998

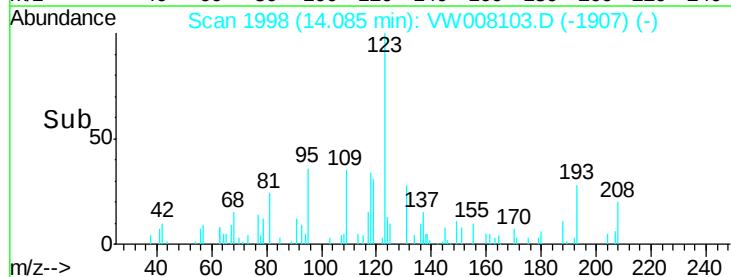
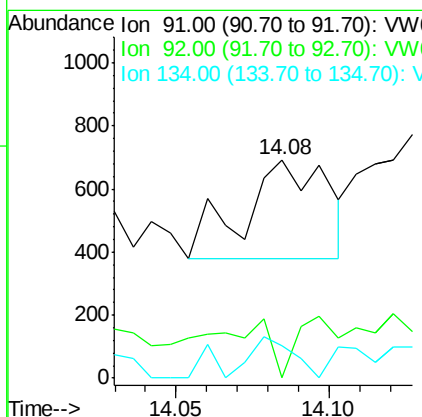
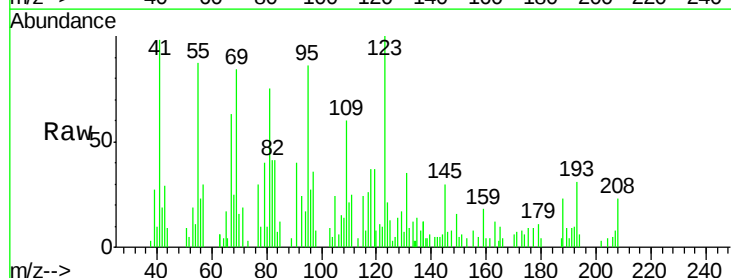
Delta R.T. 0.26 min

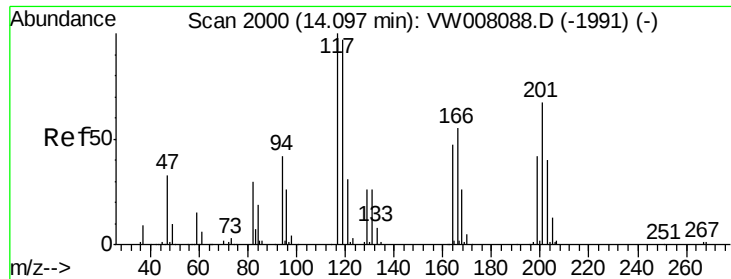
Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Tgt Ion: 91 Resp: 595

Ion	Ratio	Lower	Upper
91	100		
92	44.7	27.4	82.2
134	21.3	12.6	37.8





#90

Hexachloroethane

Concen: 4.895 ug/l

RT: 14.04 min Scan# 1991

Delta R.T. -0.05 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

MSVOA_W

ClientSampleId :

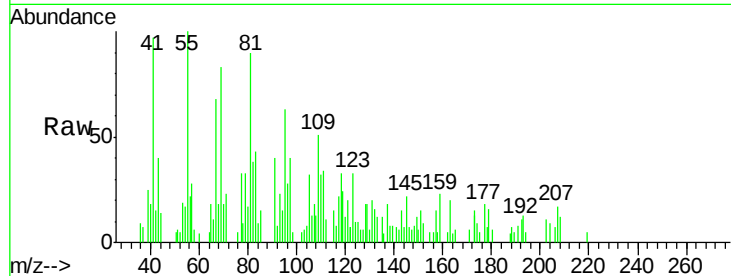
CPSB-3(10-15)RE

Tot Ion:117 Resp: 101

Ion Ratio Lower Upper

117 100

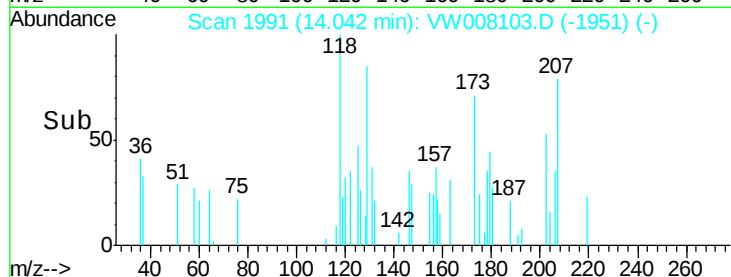
201 41.6 33.0 98.9



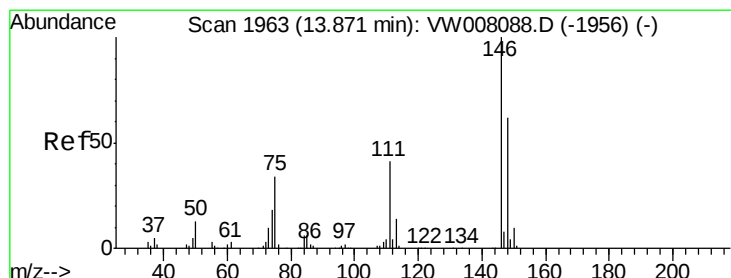
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 2.338 ug/l

RT: 13.86 min Scan# 1961

Delta R.T. -0.01 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

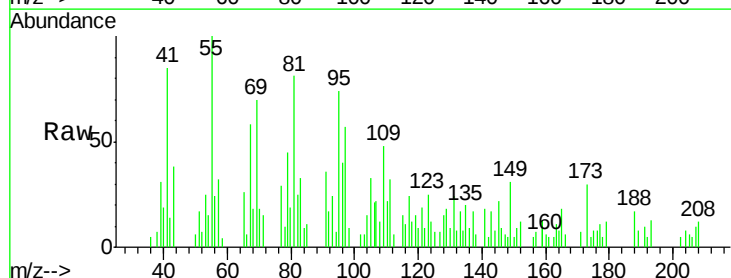
Tgt Ion:146 Resp: 117

Ion Ratio Lower Upper

146 100

111 0.0 21.3 63.7#

148 110.3 31.5 94.5#

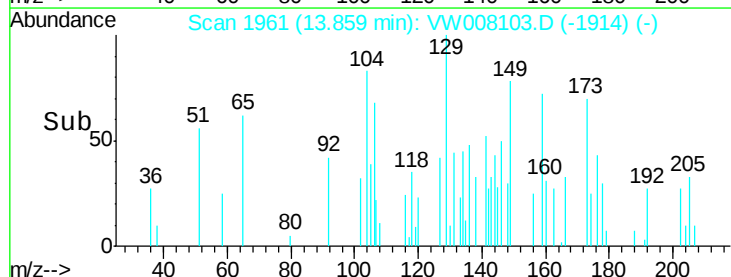


Abundance Ion 145.90 (145.60 to 146.60): V

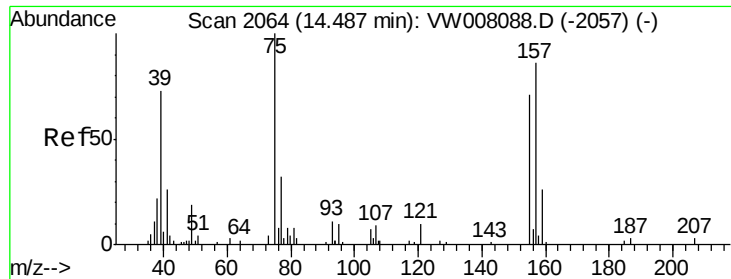
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time-->



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.443 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Instrument :

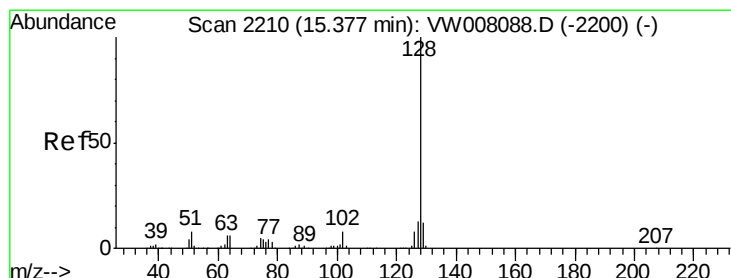
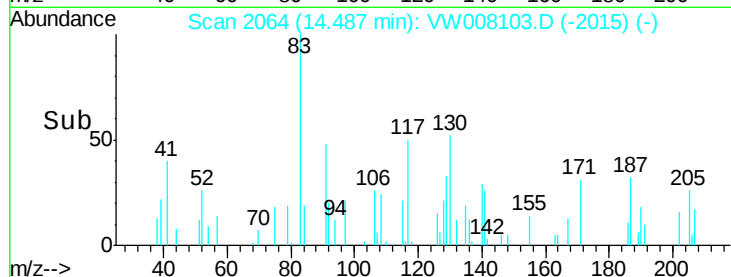
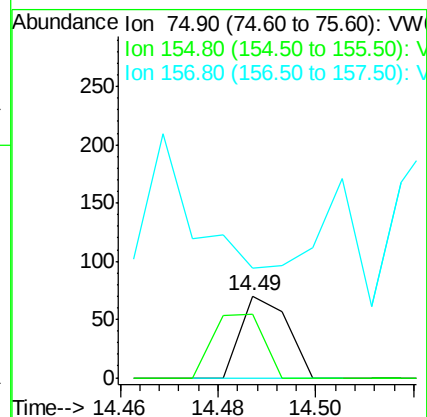
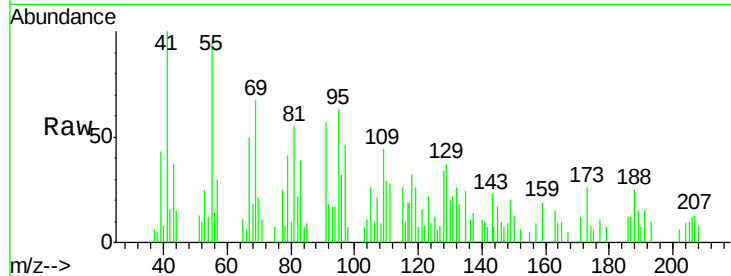
MSVOA_W

ClientSampleId :

CPSB-3(10-15)RE

Tot Ion: 75 Resp: 46

Ion	Ratio	Lower	Upper
75	100		
155	84.8	38.6	115.7
157	156.5	47.5	142.6#



#95

Naphthalene

Concen: 1.338 ug/l

RT: 15.39 min Scan# 2212

Delta R.T. 0.01 min

Lab File: VW008103.D

Acq: 09 Jan 2019 15:17

Tgt Ion: 128 Resp: 83

Ion	Ratio	Lower	Upper
128	100		
127	61.4	11.0	16.4#
129	192.8	9.0	13.6#

