

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011019\
 Data File : VW008184.D
 Acq On : 11 Jan 2019 08:40
 Operator : SY/AP
 Sample : K1102-03
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-02(15-20)

Quant Time: Jan 11 09:08:24 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	89326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66850	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	50712	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	7.88	113	48531	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.32	98	195604	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.62	95	67386	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

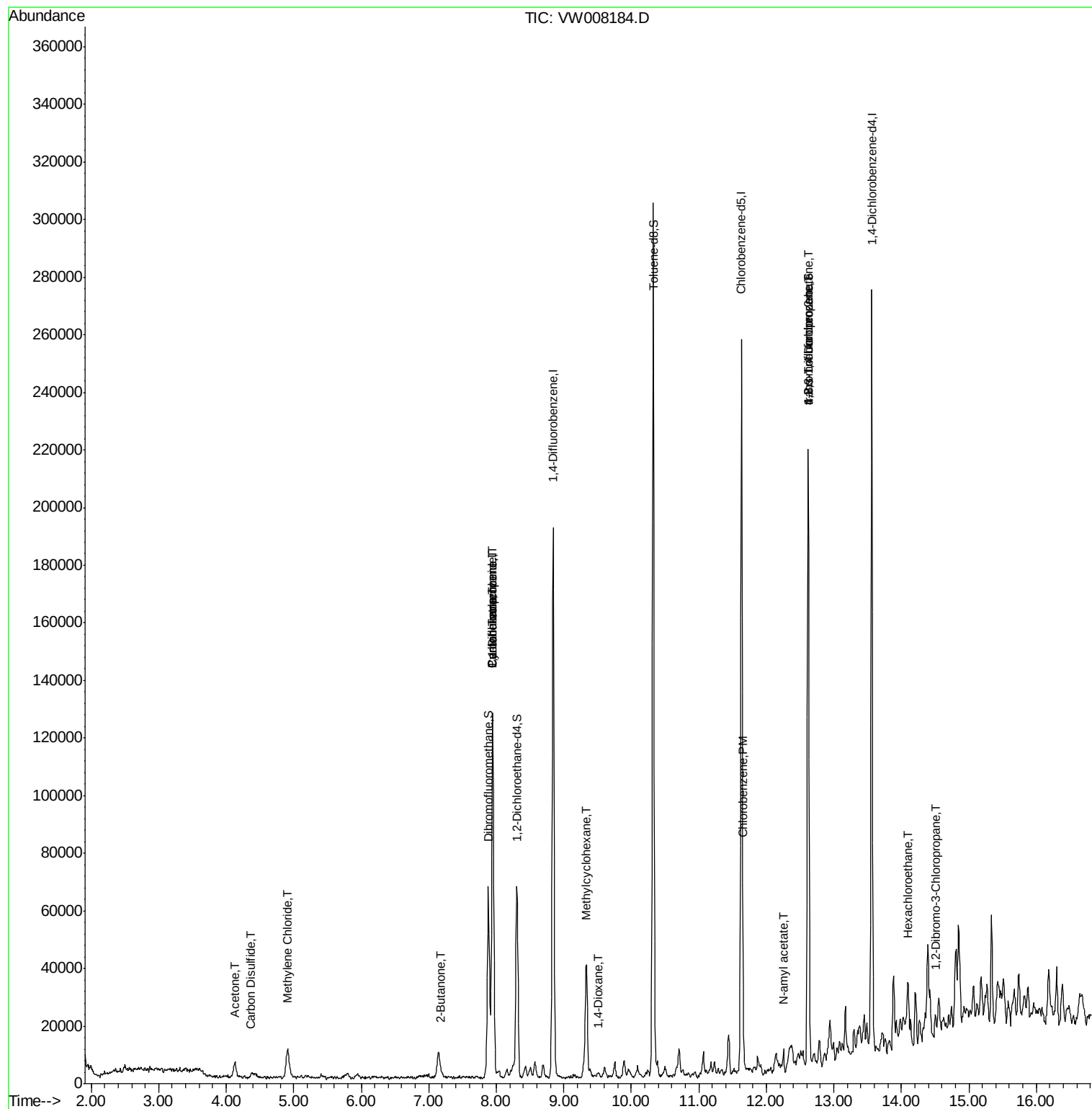
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	54	Below Cal	#	100
13) Acrolein	3.90	56	19	Below Cal	#	1
16) Acetone	4.14	43	9765	36.008	ug/l	98
17) Carbon Disulfide	4.37	76	3213	1.051	ug/l #	84
20) Methylene Chloride	4.92	84	7236	2.780	ug/l #	88
25) 2-Butanone	7.18	43	3066	10.976	ug/l	92
31) Cyclohexane	7.95	56	4295	2.033	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	7244	4.496	ug/l #	52
38) Carbon Tetrachloride	7.95	117	8715	5.910	ug/l #	17
39) Methylcyclohexane	9.33	83	15496	7.585	ug/l	92
49) 1,4-Dioxane	9.52	88	52	6.076	ug/l #	11
65) Chlorobenzene	11.66	112	3814	1.261	ug/l	95
74) N-amyl acetate	12.26	43	1743	1.500	ug/l #	61
76) 1,2,3-Trichloropropane	12.62	75	33410	54.824	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	33410	127.667	ug/l #	11
90) Hexachloroethane	14.10	117	1207	1.481	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.51	75	153	1.132	ug/l #	6

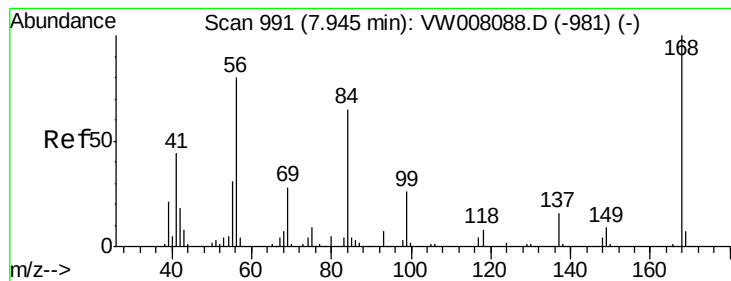
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008184.D

Acq: 11 Jan 2019 08:40

Instrument :

MSVOA_W

ClientSampleId :

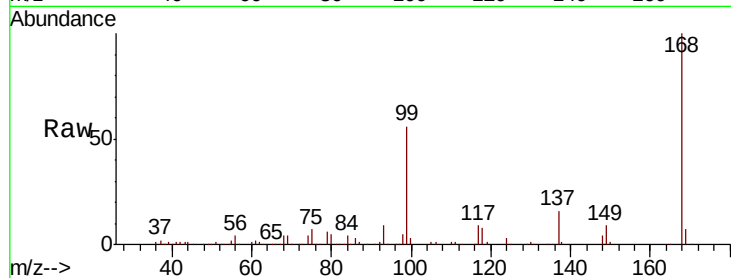
CPSB-02(15-20)

Tgt Ion: 168 Resp: 89326

Ion Ratio Lower Upper

168 100

99 56.2 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

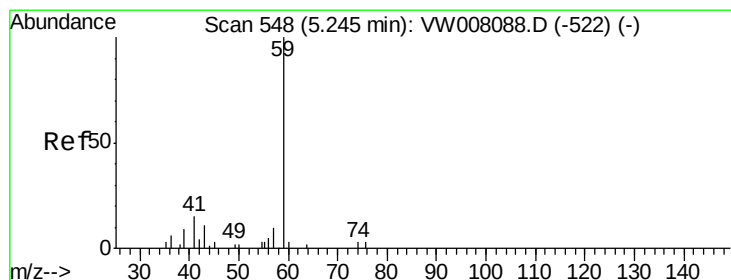
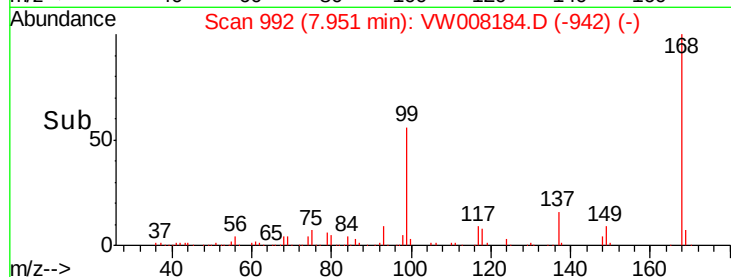
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 550

Delta R.T. 0.01 min

Lab File: VW008184.D

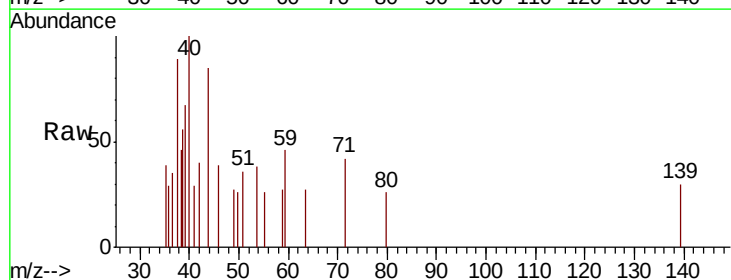
Acq: 11 Jan 2019 08:40

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 37.0 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.26

150

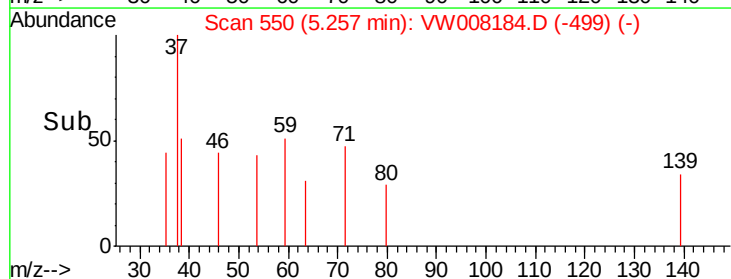
100

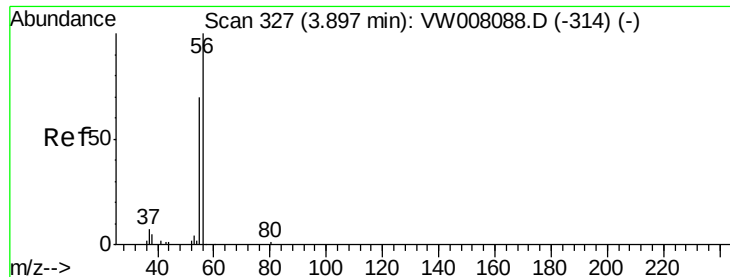
50

0

5.25 5.26 5.27

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008184.D

Acq: 11 Jan 2019 08:40

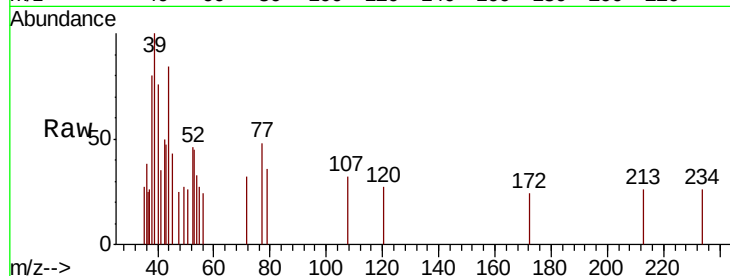
Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(15-20)

Tgt Ion: 56 Resp: 19

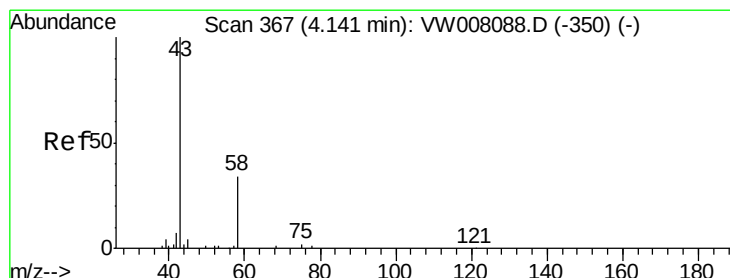
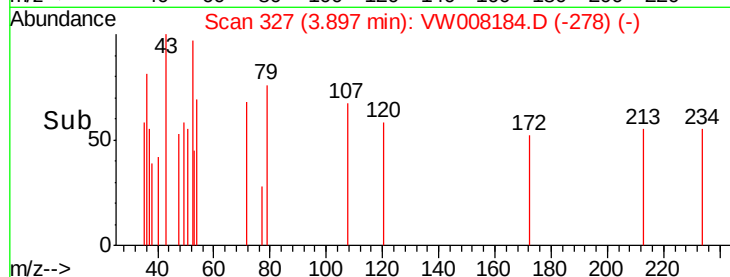
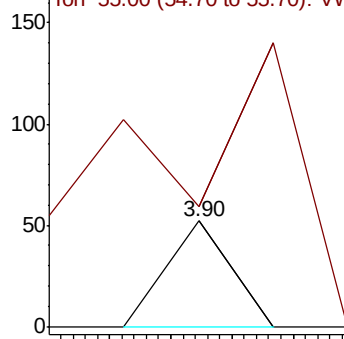
Ion Ratio Lower Upper

56 100

55 694.7 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 36.008 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008184.D

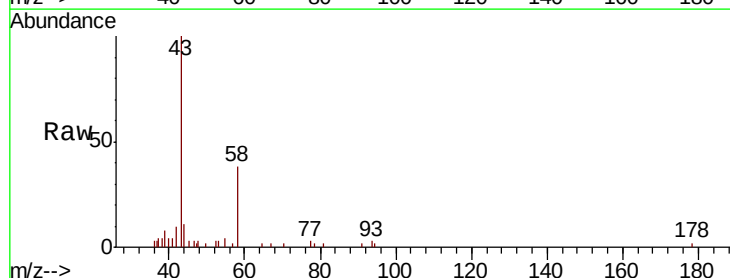
Acq: 11 Jan 2019 08:40

Tgt Ion: 43 Resp: 9765

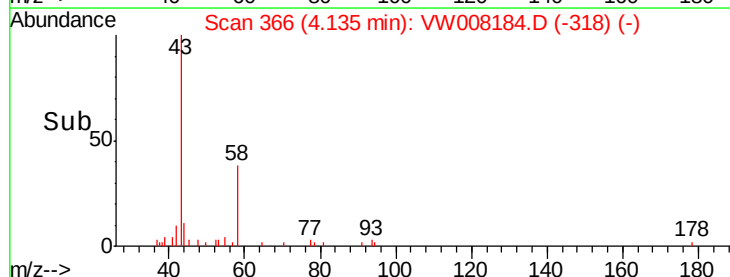
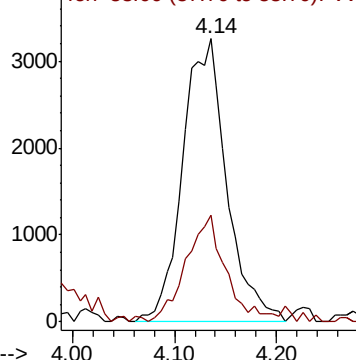
Ion Ratio Lower Upper

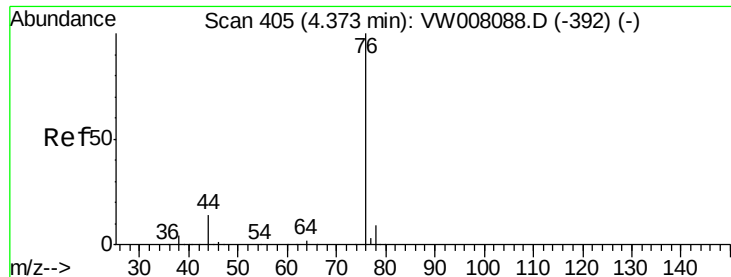
43 100

58 35.7 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

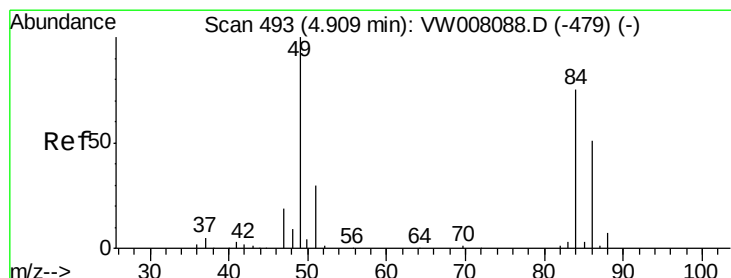
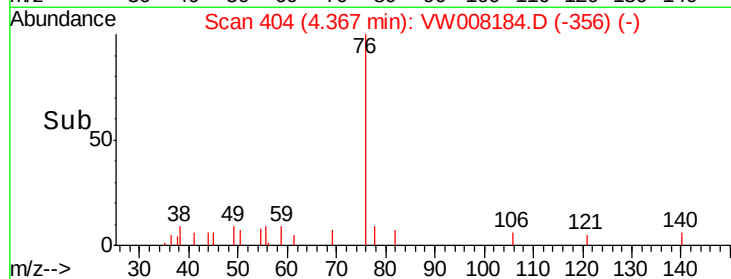
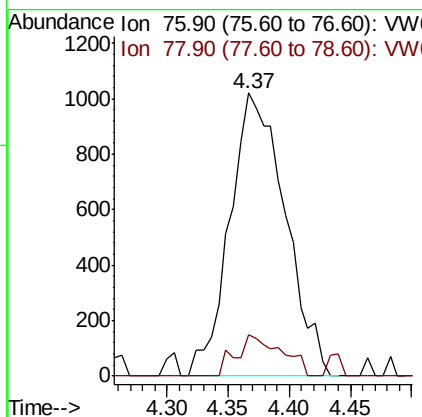
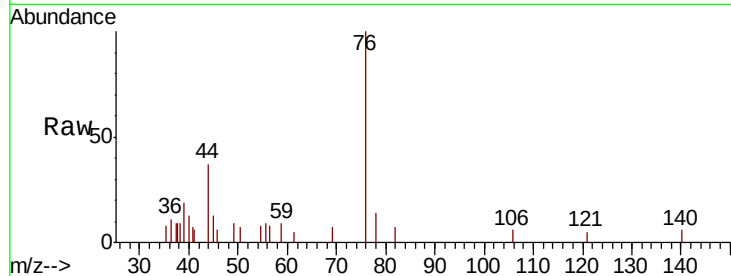




#17
Carbon Disulfide
Concen: 1.051 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

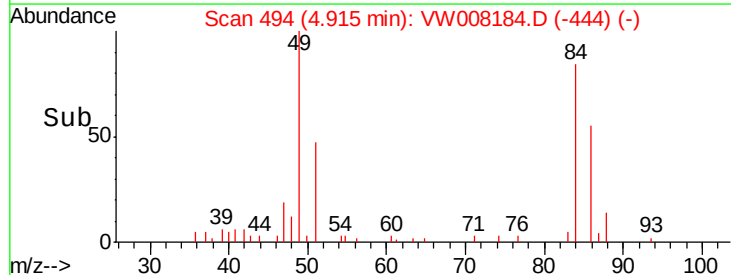
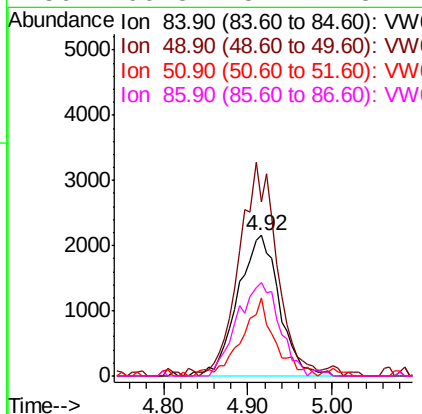
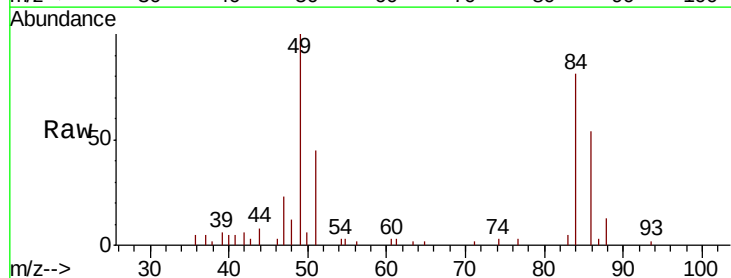
Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(15-20)

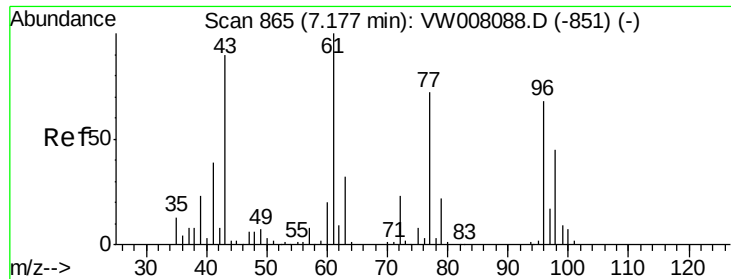
Tgt Ion: 76 Resp: 3213
Ion Ratio Lower Upper
76 100
78 14.4 7.0 10.6#



#20
Methylene Chloride
Concen: 2.780 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

Tgt Ion: 84 Resp: 7236
Ion Ratio Lower Upper
84 100
49 118.6 107.1 160.7
51 55.8 32.4 48.6#
86 66.3 54.2 81.4





#25

2-Butanone

Concen: 10.976 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008184.D

Acq: 11 Jan 2019 08:40

Instrument :

MSVOA_W

ClientSampleId :

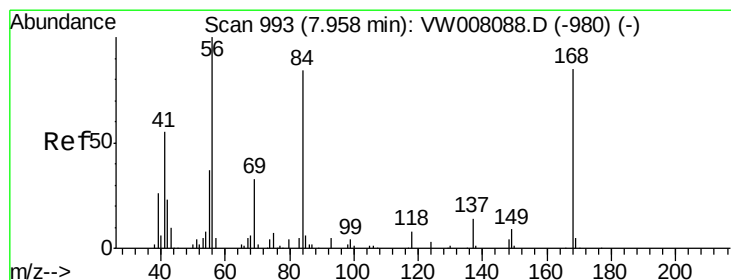
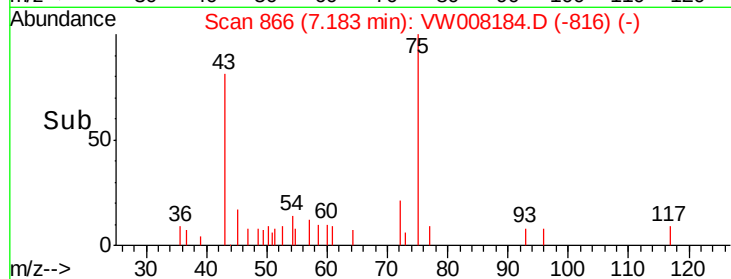
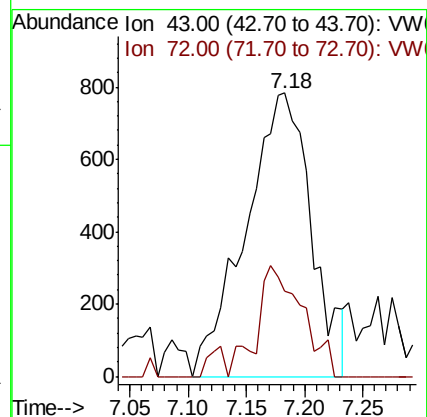
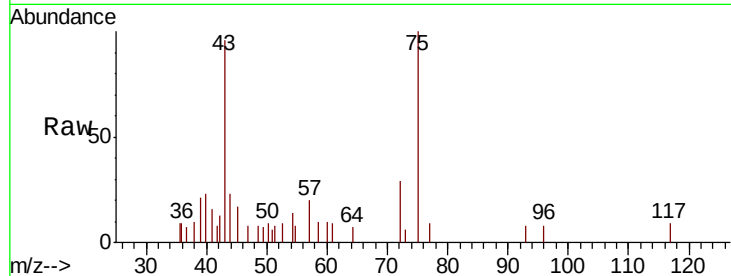
CPSB-02(15-20)

Tgt Ion: 43 Resp: 3066

Ion Ratio Lower Upper

43 100

72 29.9 20.5 30.7



#31

Cyclohexane

Concen: 2.033 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008184.D

Acq: 11 Jan 2019 08:40

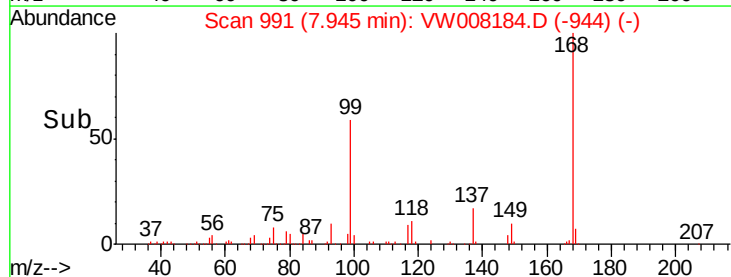
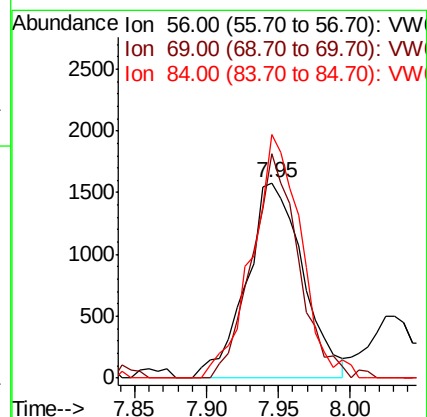
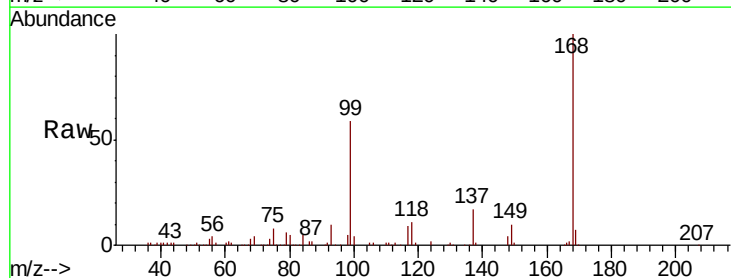
Tgt Ion: 56 Resp: 4295

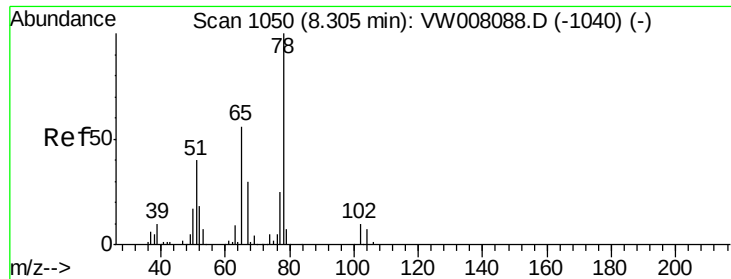
Ion Ratio Lower Upper

56 100

69 115.0 26.2 39.4#

84 124.8 67.4 101.2#

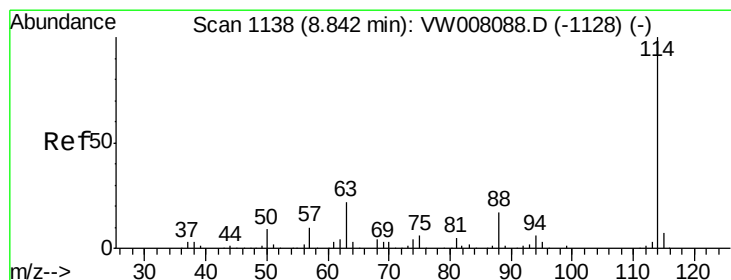
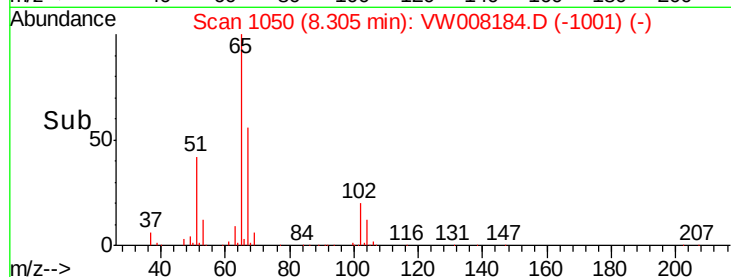
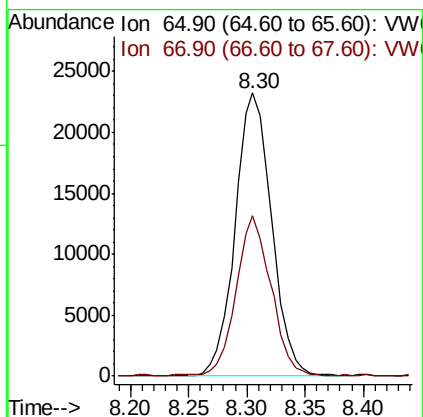
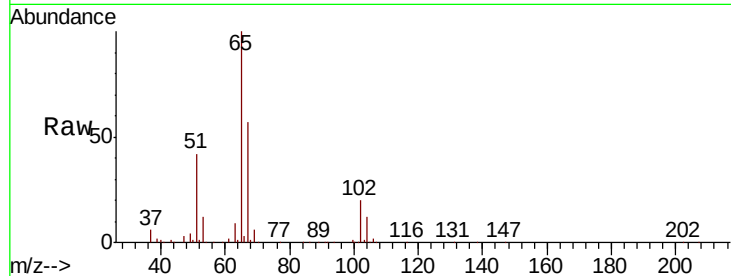




#33
 1,2-Dichloroethane-d4
 Concen: 50.513 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008184.D
 Acq: 11 Jan 2019 08:40

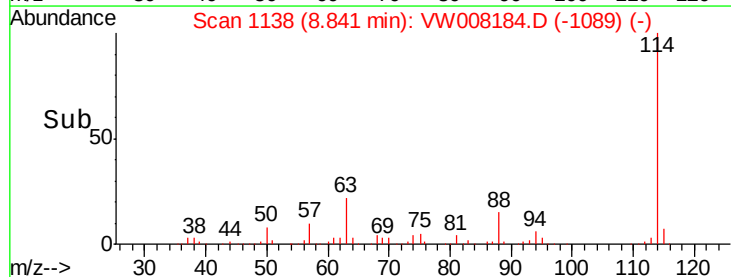
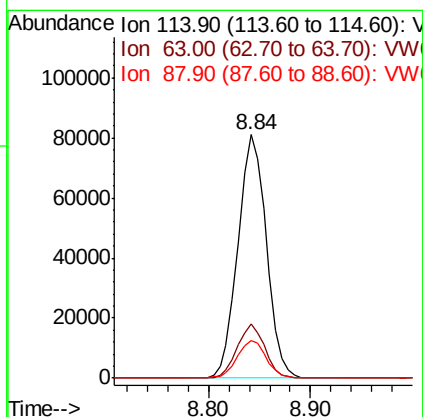
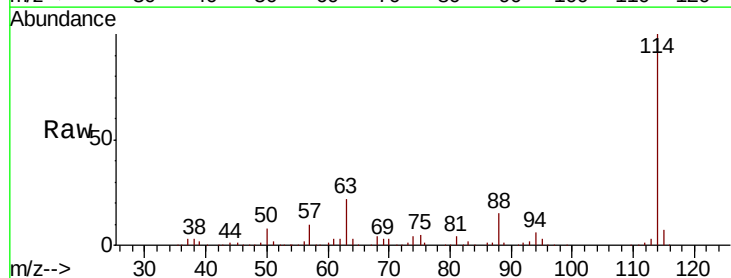
Instrument :
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 CPSB-02(15-20)

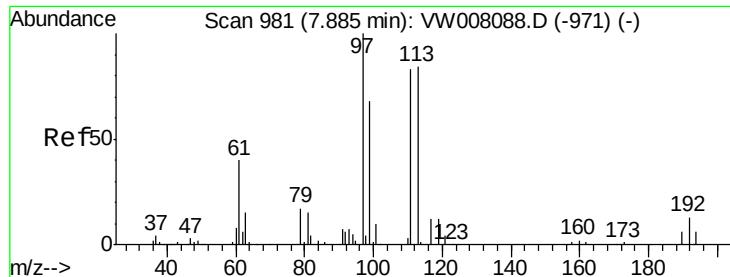
Tgt Ion: 65 Resp: 50712
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008184.D
 Acq: 11 Jan 2019 08:40

Tgt Ion: 114 Resp: 156410
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 15.4 0.0 33.4

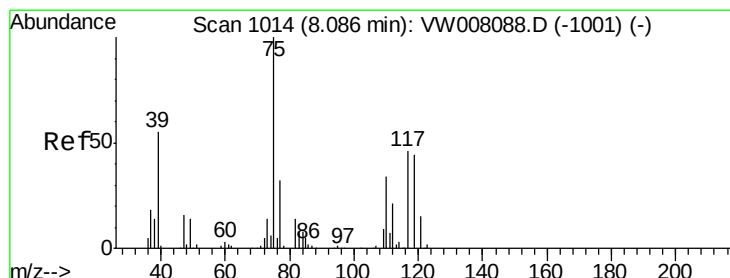
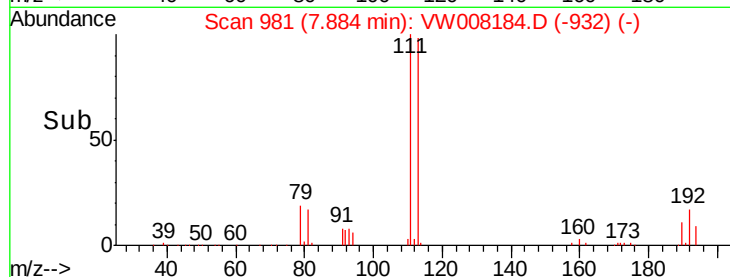
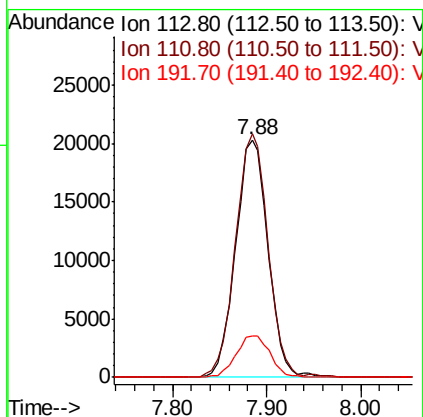
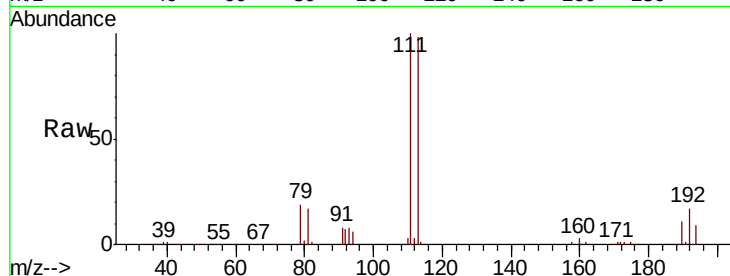




#35
 Dibromofluoromethane
 Concen: 53.200 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008184.D
 Acq: 11 Jan 2019 08:40

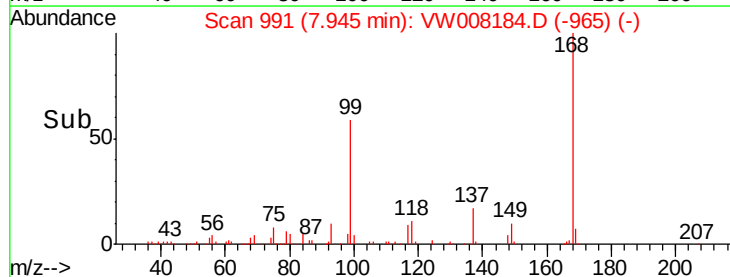
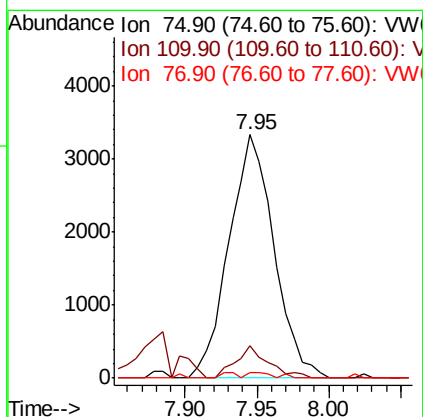
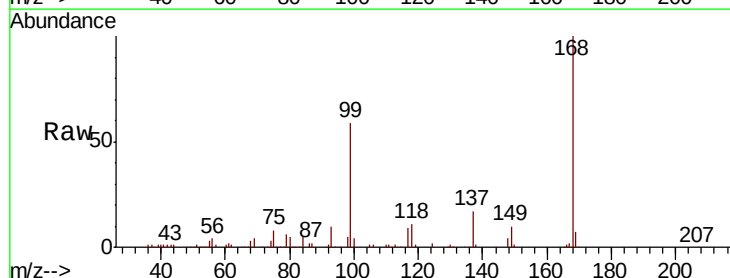
Instrument :
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 CPSB-02(15-20)

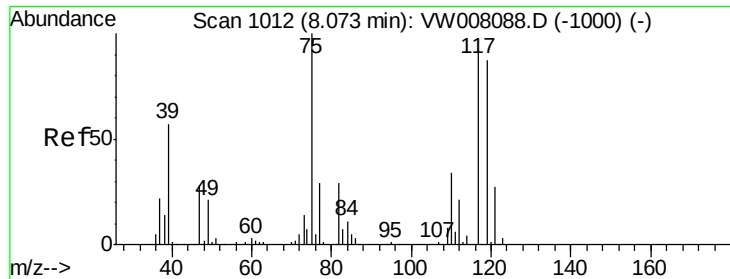
Tgt Ion: 113 Resp: 48531
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.8
 192 18.5 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.496 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008184.D
 Acq: 11 Jan 2019 08:40

Tgt Ion: 75 Resp: 7244
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.1 51.3#
 77 1.3 25.5 38.3#

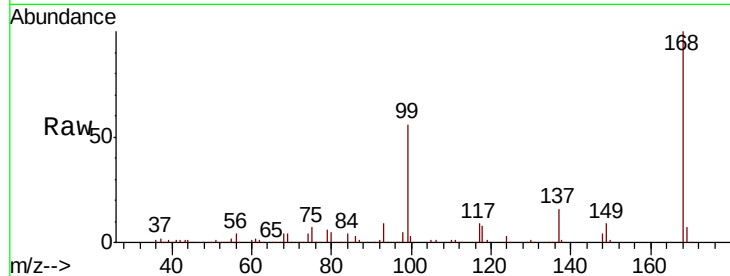




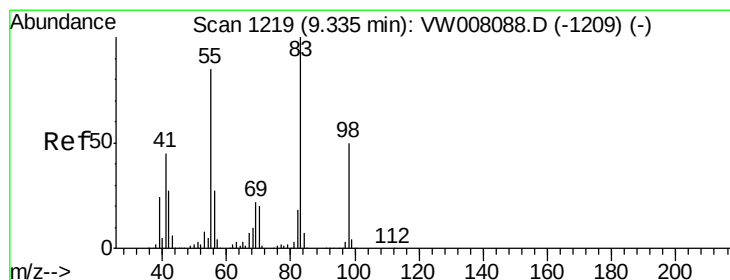
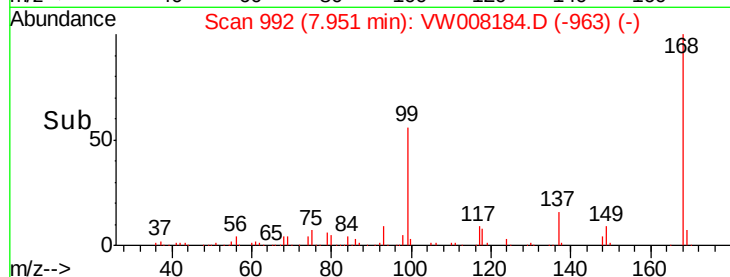
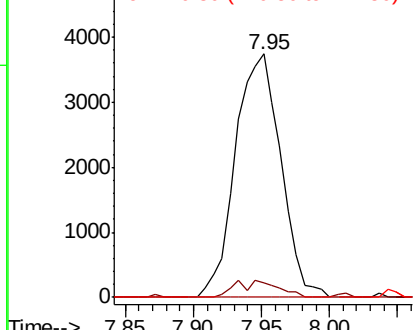
#38
Carbon Tetrachloride
Concen: 5.910 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(15-20)

Tgt Ion: 117 Resp: 8715
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 23.7 35.5#

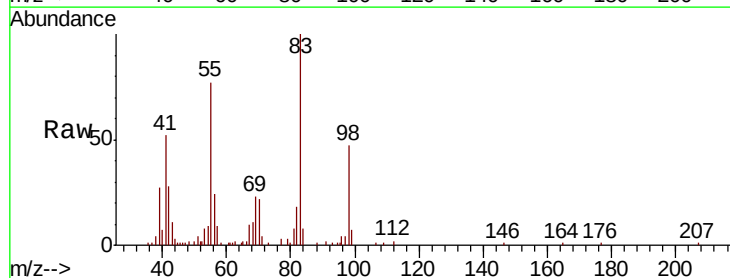


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

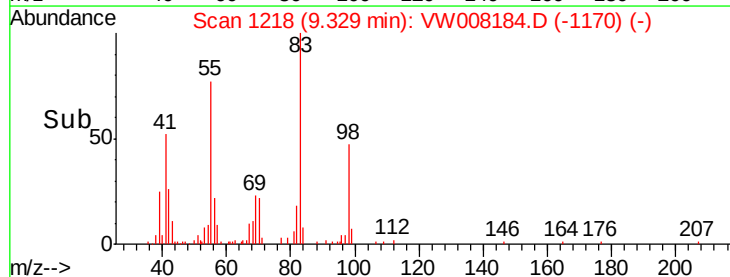
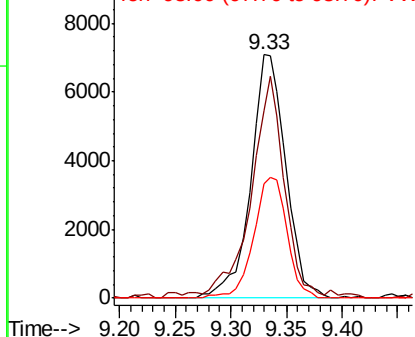


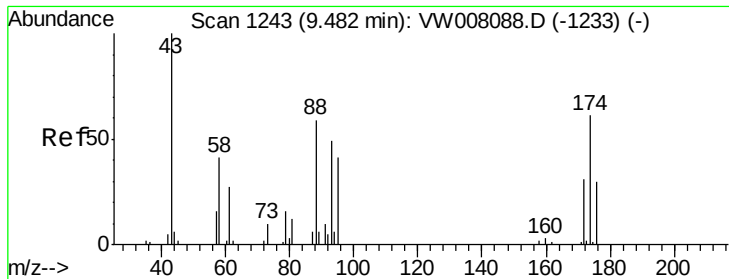
#39
Methylcyclohexane
Concen: 7.585 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

Tgt Ion: 83 Resp: 15496
Ion Ratio Lower Upper
83 100
55 75.6 67.8 101.6
98 47.1 40.2 60.4



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#49

1,4-Dioxane

Concen: 6.076 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.04 min

Lab File: VW008184.D

Acq: 11 Jan 2019 08:40

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(15-20)

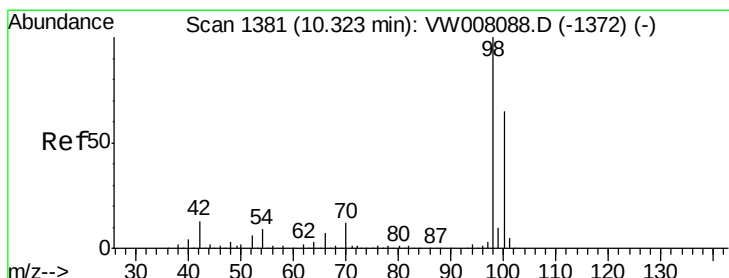
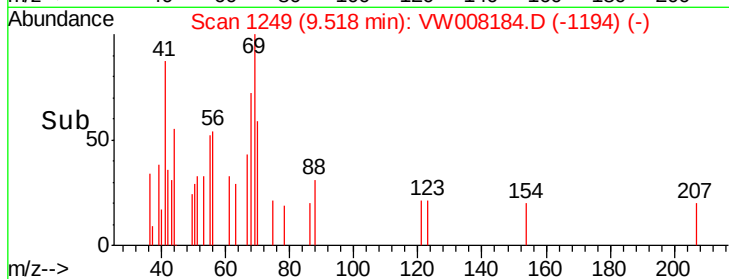
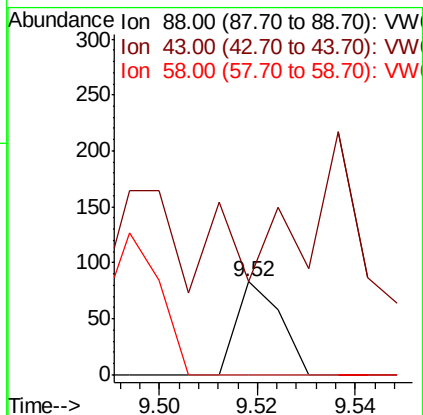
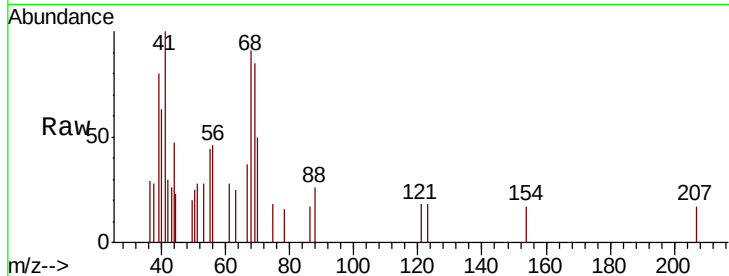
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 430.8 0.0 0.0#

58 0.0 61.7 92.5#



#50

Toluene-d8

Concen: 51.096 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008184.D

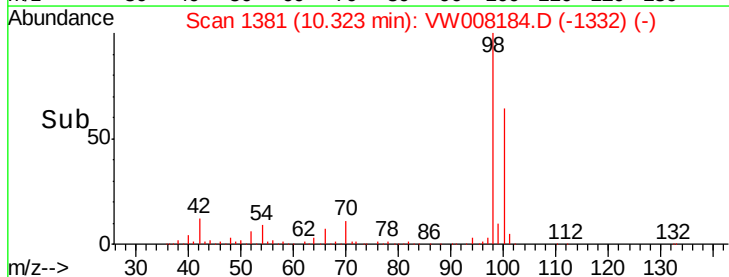
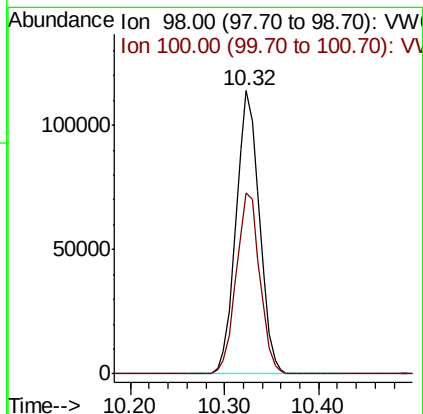
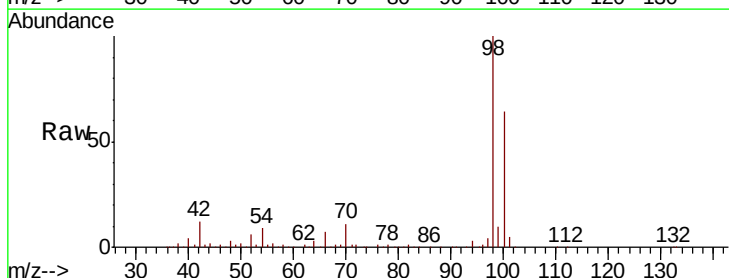
Acq: 11 Jan 2019 08:40

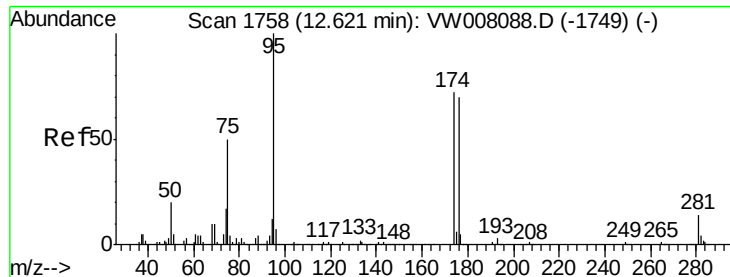
Tgt Ion: 98 Resp: 195604

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5

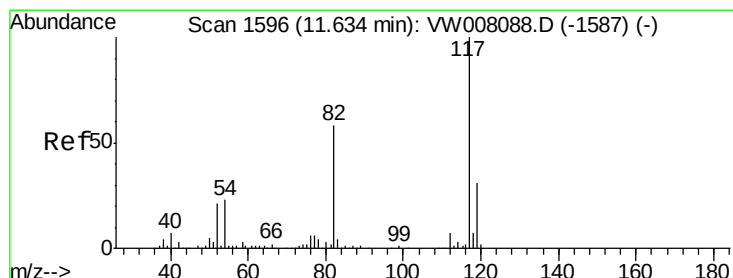
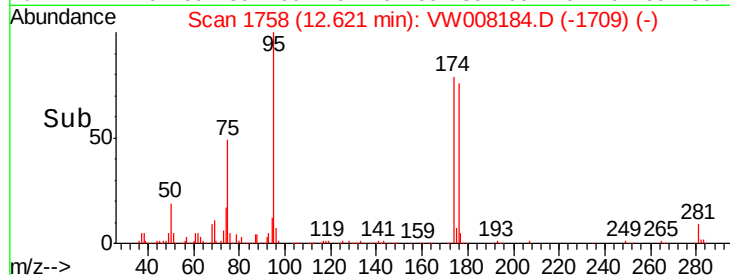
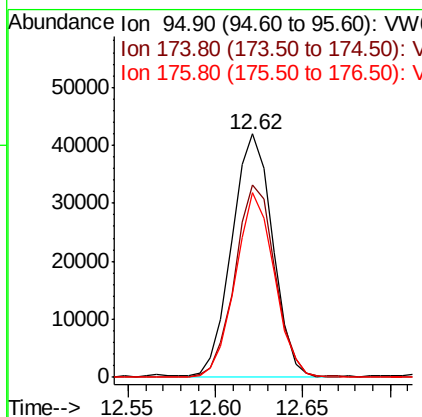
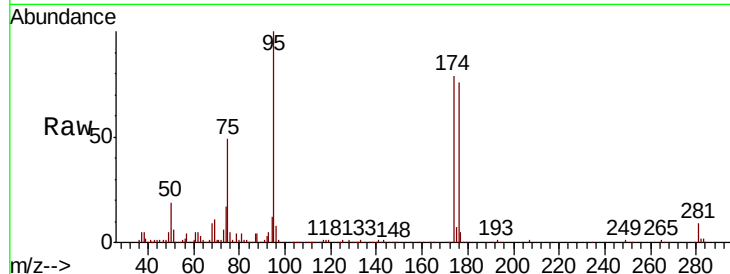




#62
4-Bromofluorobenzene
Concen: 49.102 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

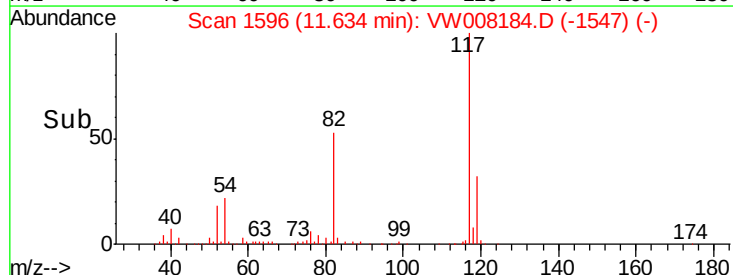
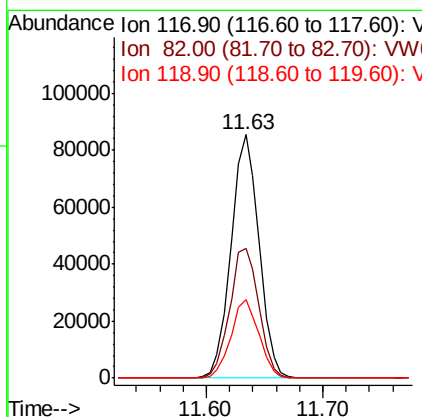
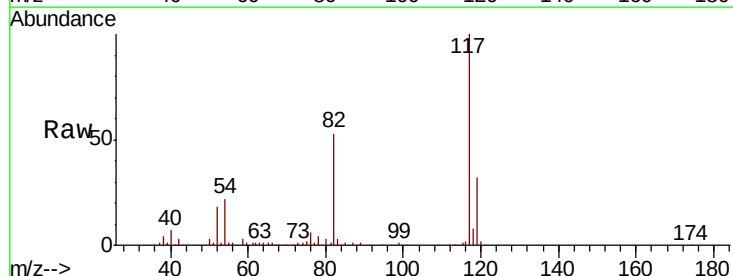
Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(15-20)

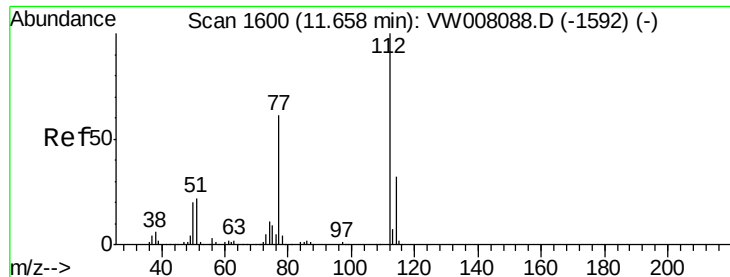
Tgt Ion: 95 Resp: 67386
Ion Ratio Lower Upper
95 100
174 78.8 0.0 143.0
176 73.4 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

Tgt Ion: 117 Resp: 142800
Ion Ratio Lower Upper
117 100
82 53.3 46.4 69.6
119 32.0 24.7 37.1

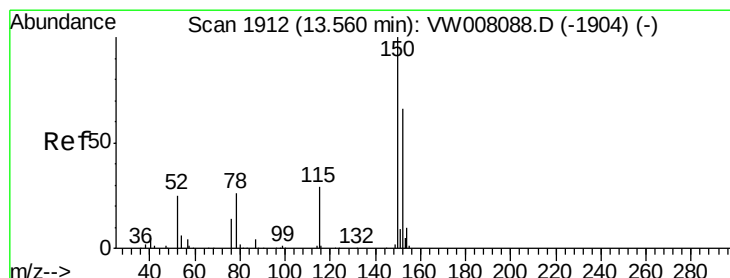
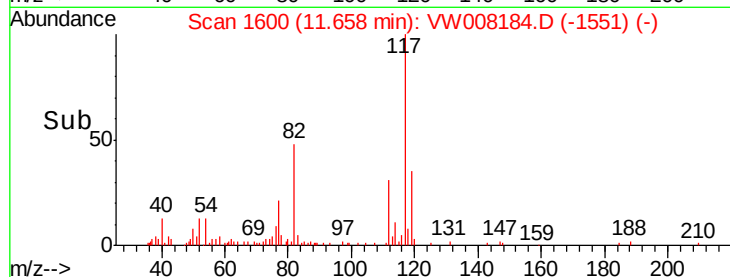
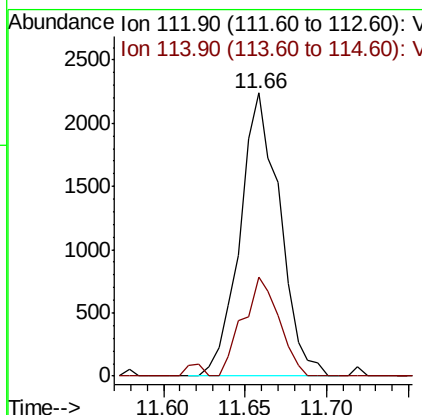
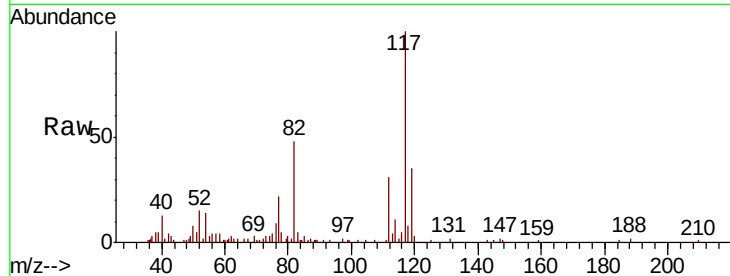




#65
Chlorobenzene
Concen: 1.261 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

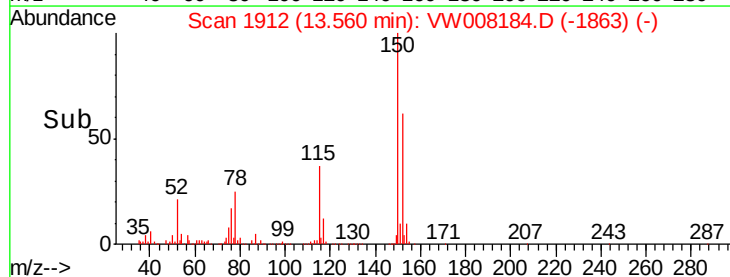
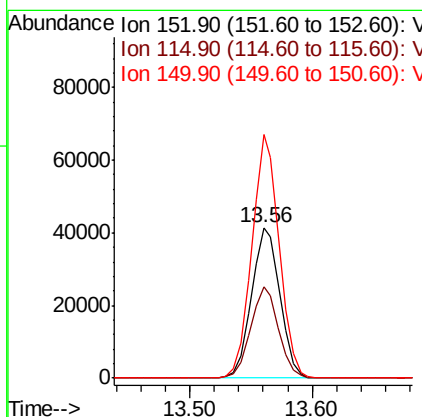
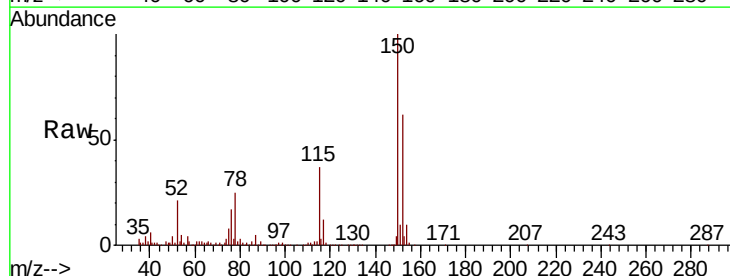
Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(15-20)

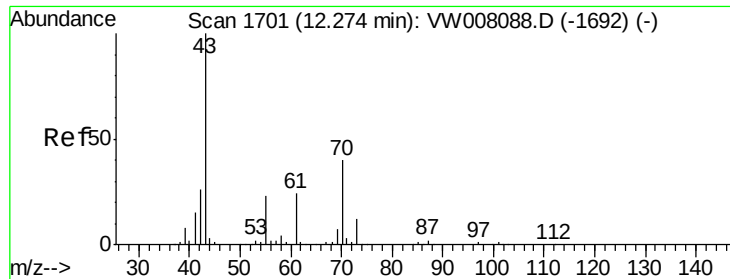
Tgt Ion:112 Resp: 3814
Ion Ratio Lower Upper
112 100
114 35.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

Tgt Ion:152 Resp: 66850
Ion Ratio Lower Upper
152 100
115 59.5 30.8 92.4
150 155.3 0.0 350.2





#74

N-ethyl acetate

Concen: 1.500 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008184.D

Acq: 11 Jan 2019 08:40

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(15-20)

Tgt Ion: 43 Resp: 1743

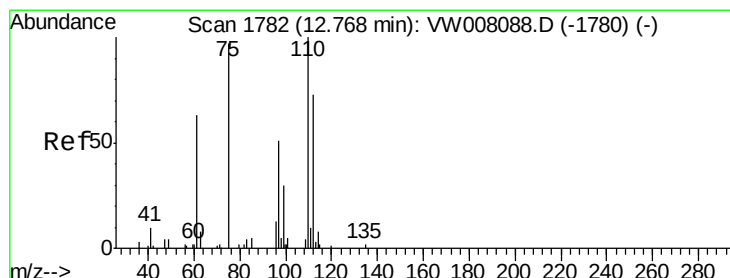
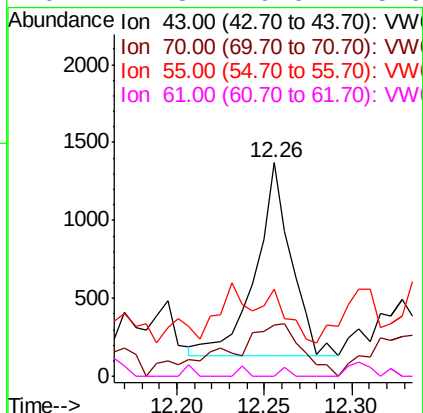
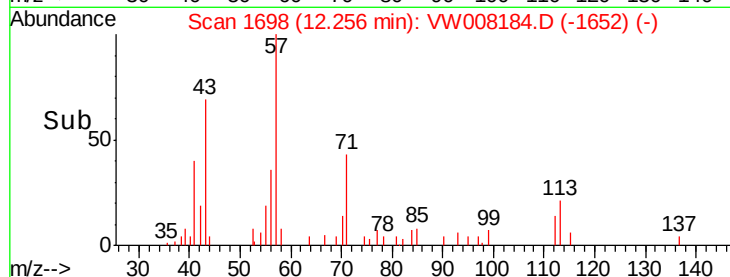
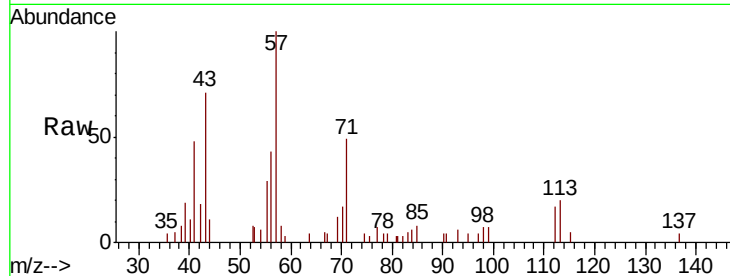
Ion Ratio Lower Upper

43 100

70 59.2 32.4 48.6#

55 0.0 18.7 28.1#

61 1.3 19.0 28.6#



#76

1,2,3-Trichloropropane

Concen: 54.824 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008184.D

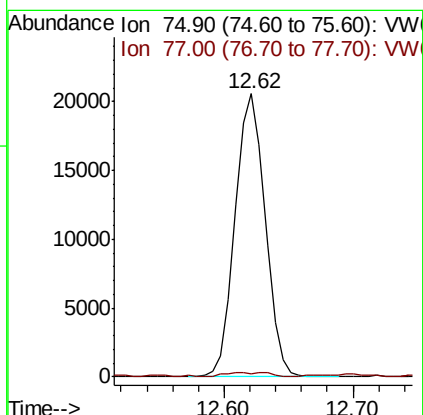
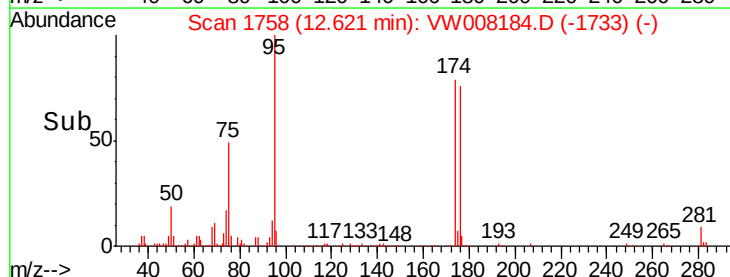
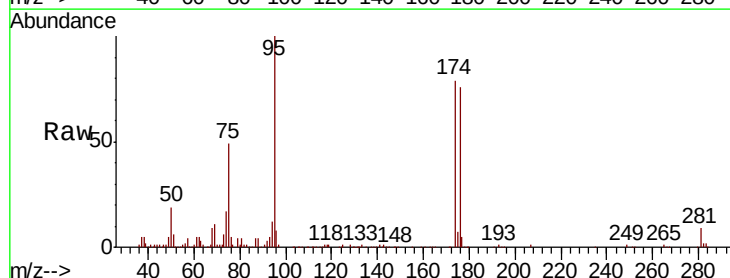
Acq: 11 Jan 2019 08:40

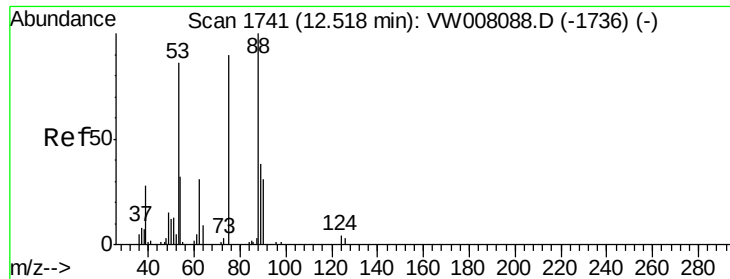
Tgt Ion: 75 Resp: 33410

Ion Ratio Lower Upper

75 100

77 2.1 179.4 538.2#

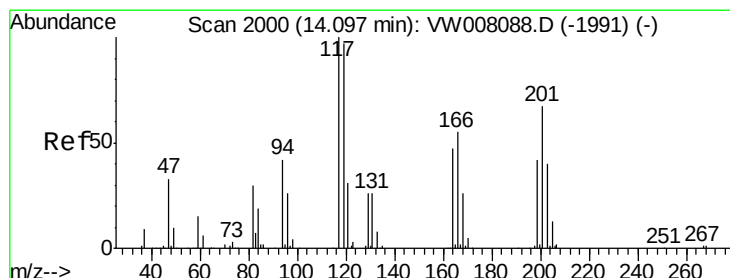
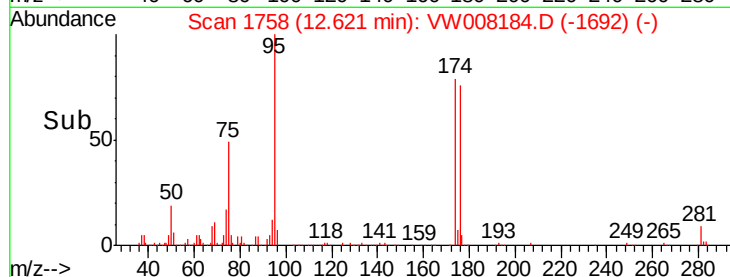
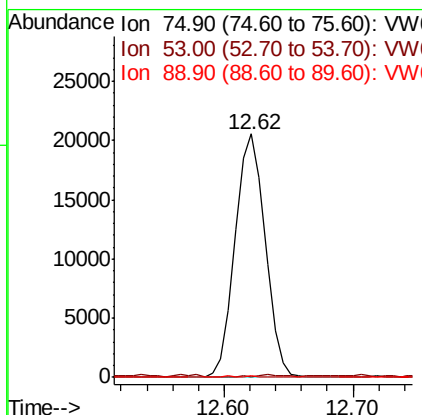
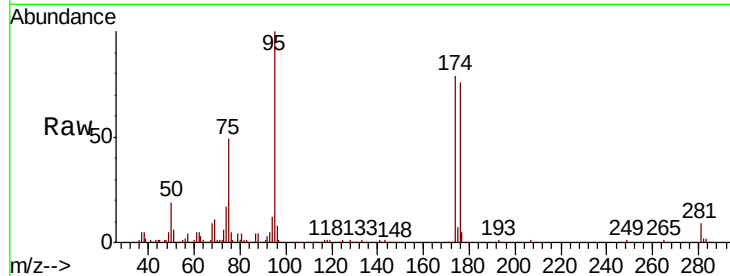




#81
trans-1,4-Dichloro-2-butene
Concen: 127.667 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

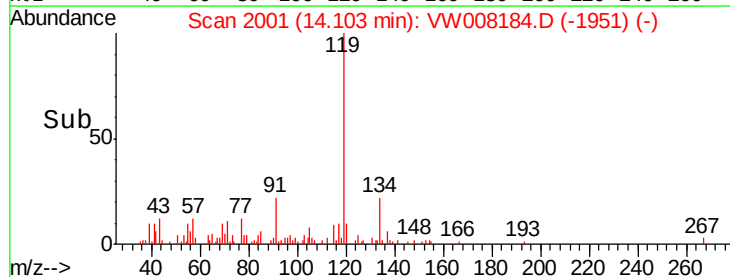
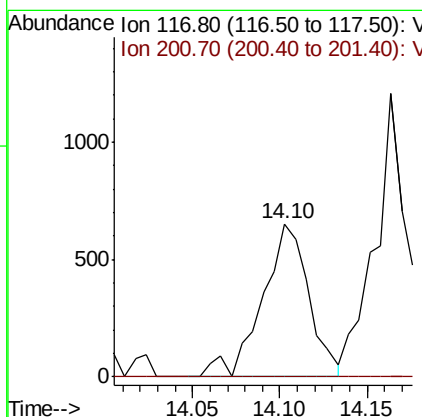
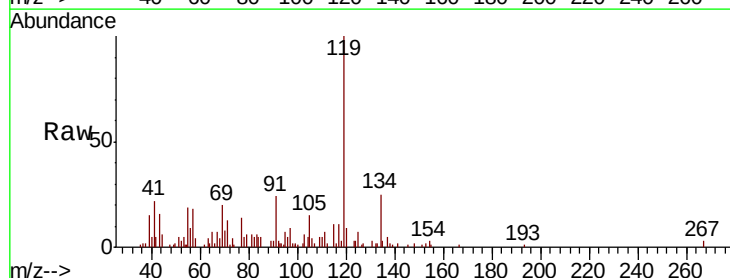
Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(15-20)

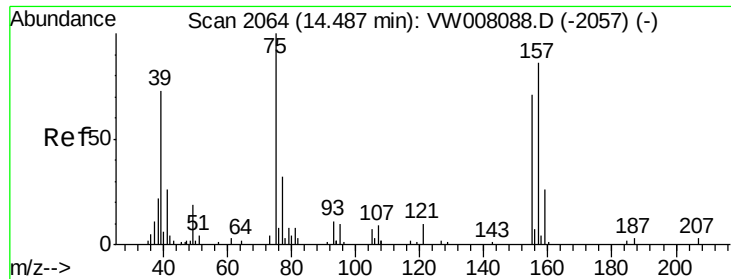
Tgt Ion: 75 Resp: 33410
Ion Ratio Lower Upper
75 100
53 0.9 78.8 118.2#
89 0.2 35.4 53.2#



#90
Hexachloroethane
Concen: 1.481 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008184.D
Acq: 11 Jan 2019 08:40

Tgt Ion: 117 Resp: 1207
Ion Ratio Lower Upper
117 100
201 0.0 33.0 98.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.132 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW008184.D

Acq: 11 Jan 2019 08:40

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(15-20)

Tgt Ion: 75 Resp: 153

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.7#

157 0.0 47.5 142.6#

