

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008059.D
 Acq On : 04 Jan 2019 20:22
 Operator : SY/AP
 Sample : K1044-07
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-09(10-15)

Quant Time: Jan 05 02:59:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	88878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27540	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	43082	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
35) Dibromofluoromethane	7.88	113	37075	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.32	98	132099	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
62) 4-Bromofluorobenzene	12.62	95	42406	39.52	ug/l	0.00
Spiked Amount			Recovery	=	79.04%	

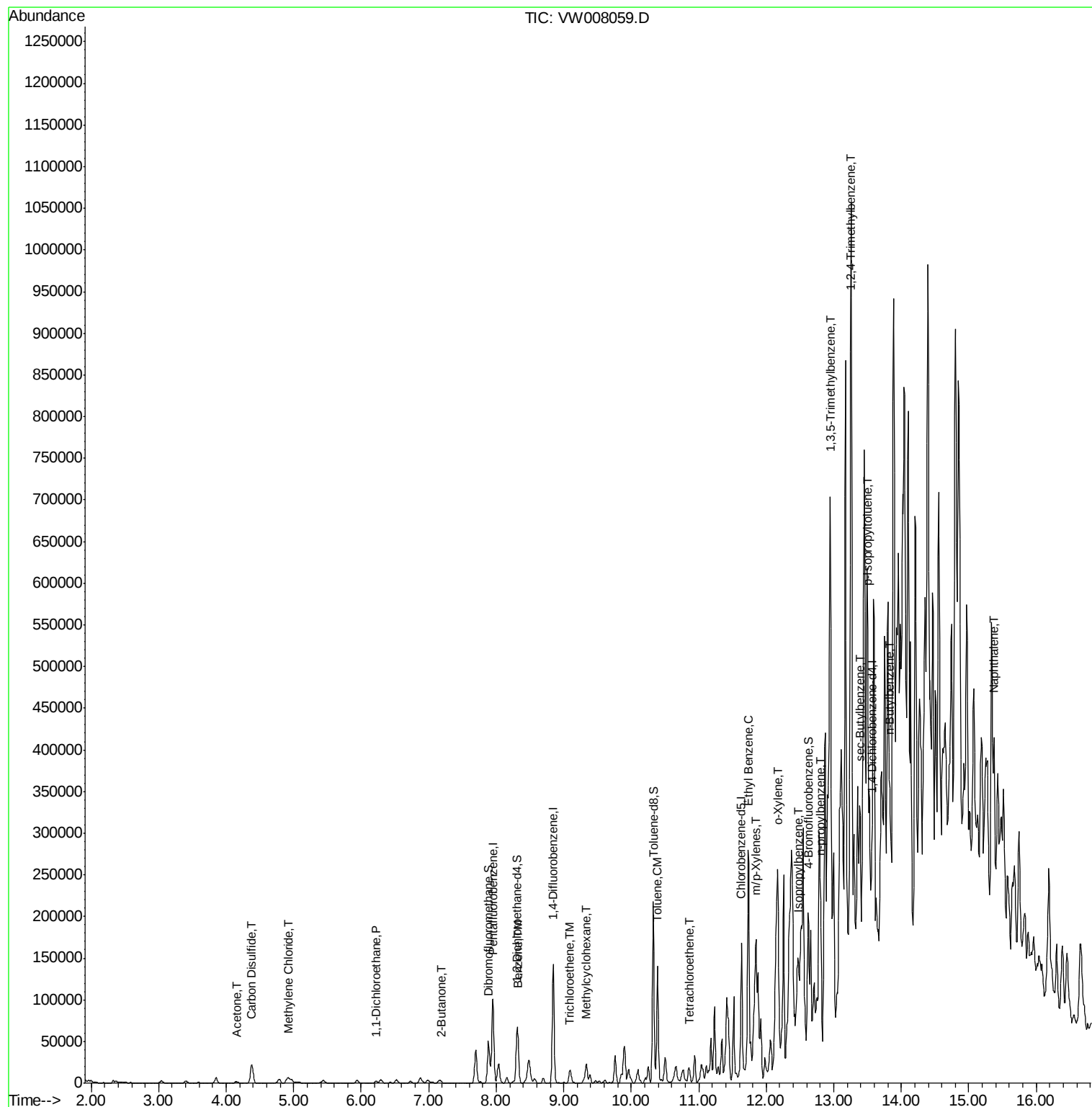
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	3965	32.836	ug/l	99
17) Carbon Disulfide	4.38	76	50063	23.145	ug/l	96
20) Methylene Chloride	4.92	84	3746	2.786	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	3215	2.513	ug/l #	95
25) 2-Butanone	7.19	43	1275	8.962	ug/l	91
39) Methylcyclohexane	9.34	83	6878	4.728	ug/l	97
40) Benzene	8.32	78	24929	8.096	ug/l	97
44) Trichloroethene	9.09	130	4832	5.318	ug/l	98
52) Toluene	10.39	92	60274	29.653	ug/l	98
64) Tetrachloroethene	10.87	164	2456	4.000	ug/l	91
67) Ethyl Benzene	11.73	91	182160	54.028	ug/l	98
68) m/p-Xylenes	11.85	106	41994	32.217	ug/l	93
69) o-Xylene	12.17	106	53942	44.474	ug/l	94
73) Isopropylbenzene	12.47	105	32333	14.764	ug/l	99
78) n-propylbenzene	12.81	91	97505	38.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	167380	88.795	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	490708	257.007	ug/l	95
85) sec-Butylbenzene	13.39	105	66753	29.423	ug/l	81
86) p-Isopropyltoluene	13.51	119	57750	28.221	ug/l	98
89) n-Butylbenzene	13.83	91	65817	35.163	ug/l #	73
95) Naphthalene	15.38	128	169298	169.587	ug/l	97

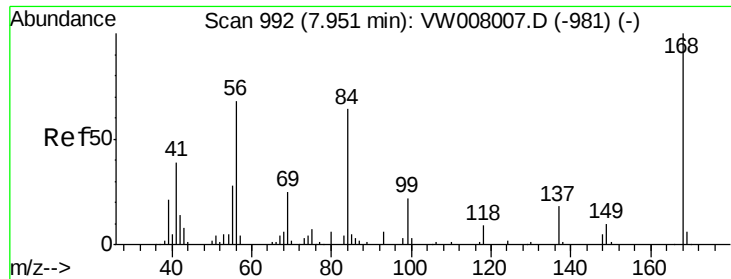
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

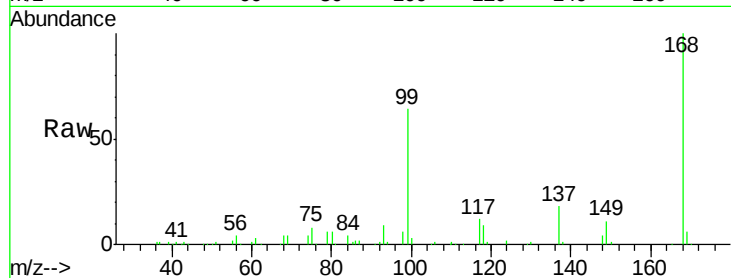
CPSB-09(10-15)

Tot Ion:168 Resp: 70528

Ion Ratio Lower Upper

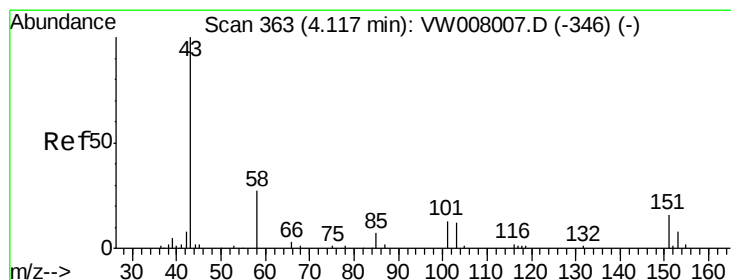
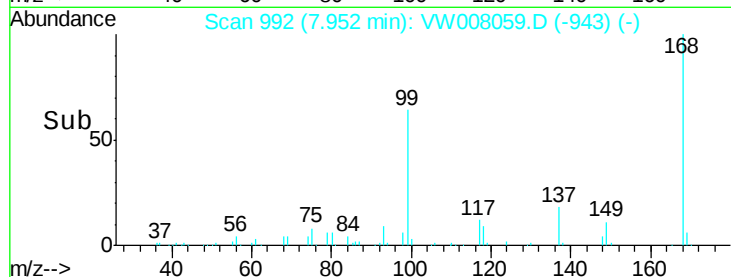
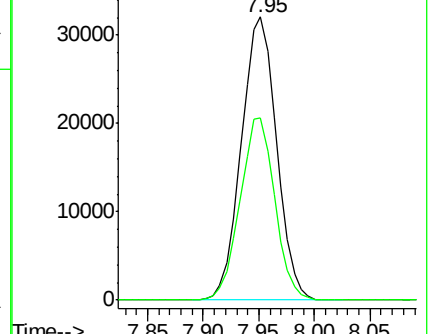
168 100

99 64.4 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 32.836 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW008059.D

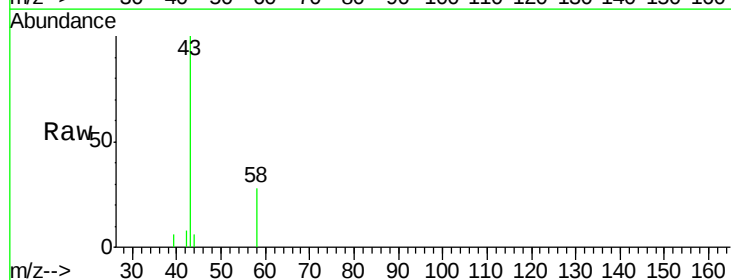
Acq: 04 Jan 2019 20:22

Tgt Ion: 43 Resp: 3965

Ion Ratio Lower Upper

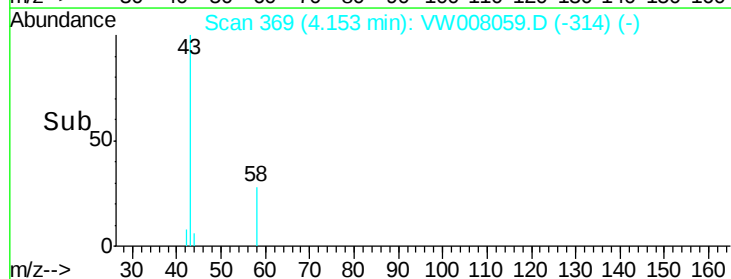
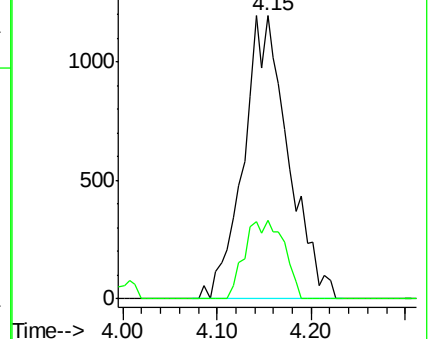
43 100

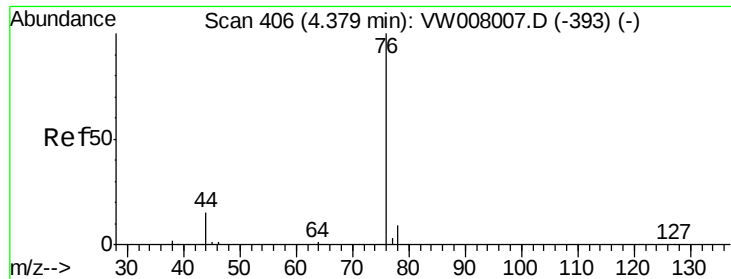
58 27.7 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

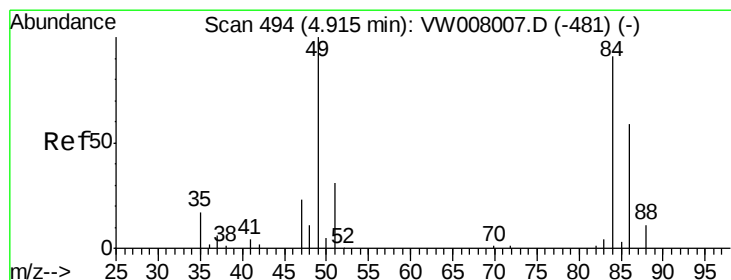
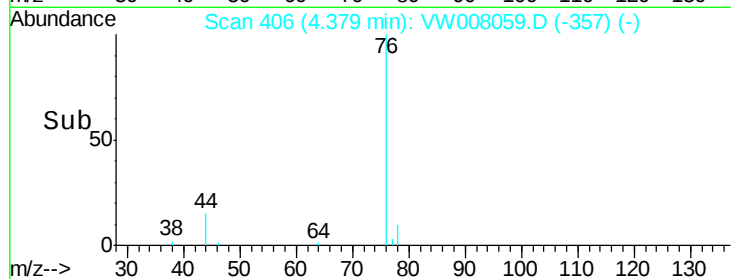
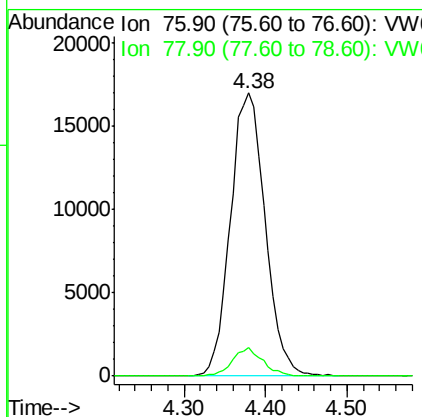
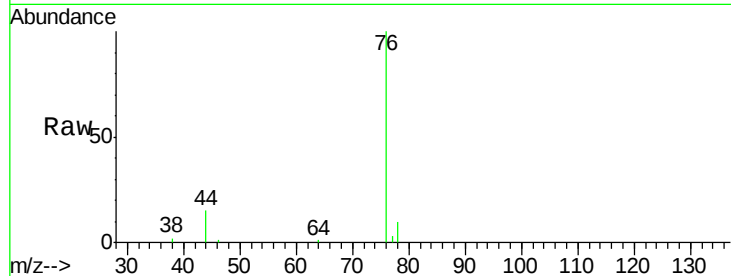




#17
Carbon Disulfide
Concen: 23.145 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

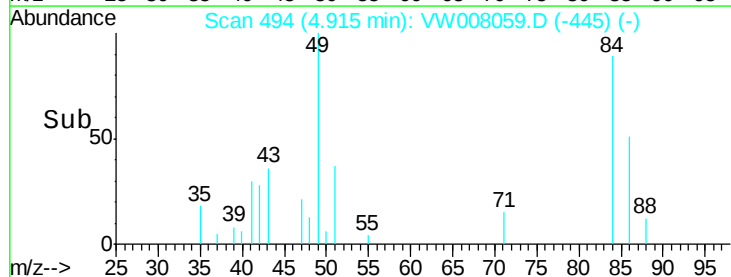
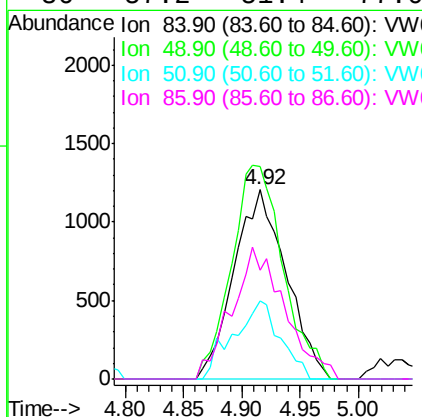
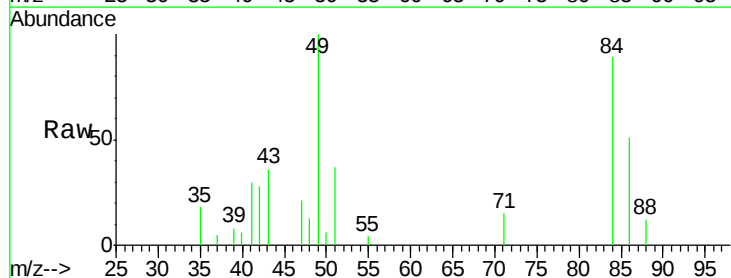
Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

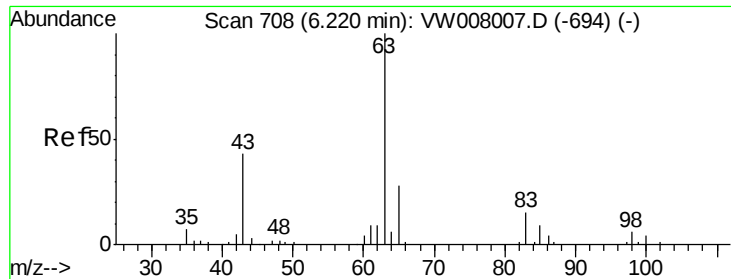
Tot Ion: 76 Resp: 50063
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4



#20
Methylene Chloride
Concen: 2.786 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

Tgt Ion: 84 Resp: 3746
Ion Ratio Lower Upper
84 100
49 112.4 87.7 131.5
51 41.0 27.3 40.9#
86 57.2 51.4 77.0





#24

1,1-Dichloroethane

Concen: 2.513 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

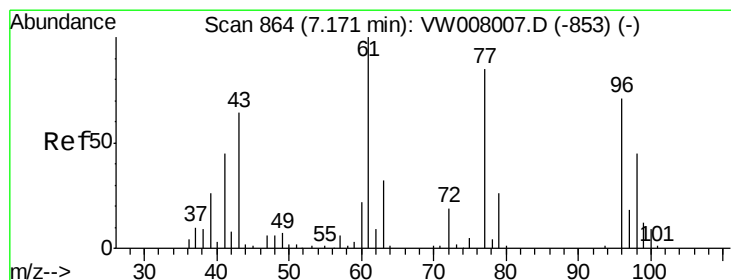
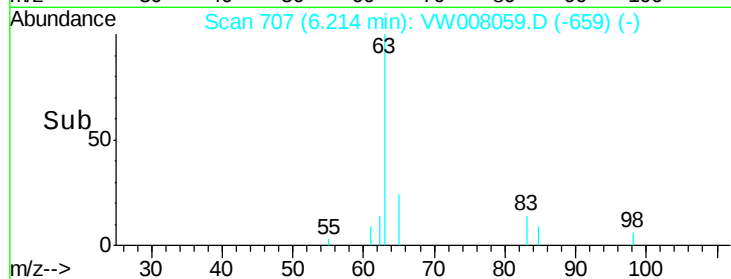
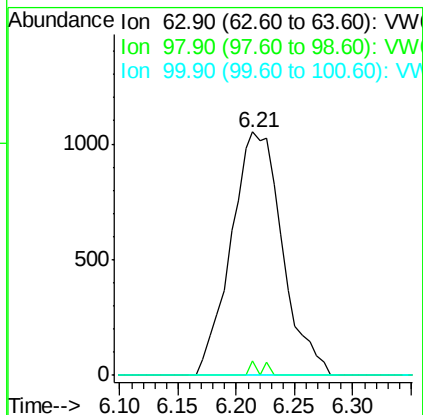
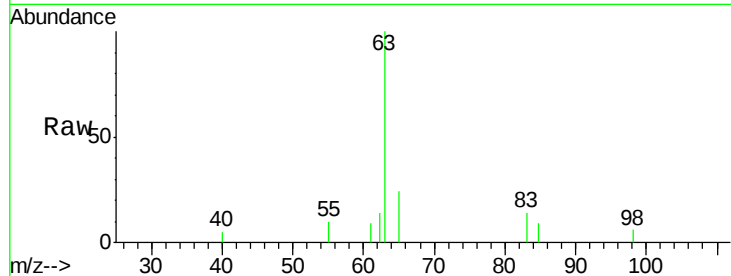
Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

Tot Ion:	63	Resp:	3215
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.2	9.6
100	0.0	2.1	6.2#



#25

2-Butanone

Concen: 8.962 ug/l

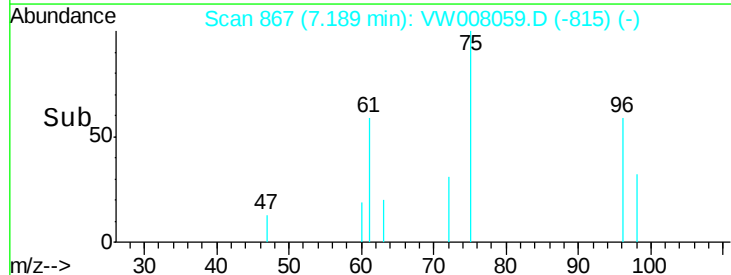
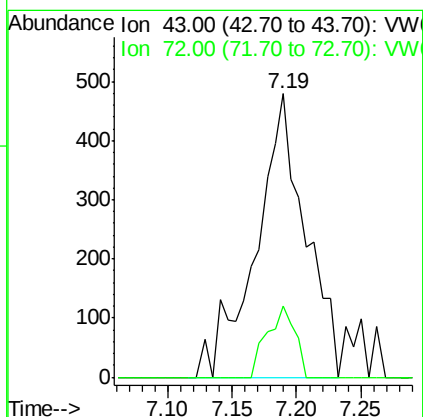
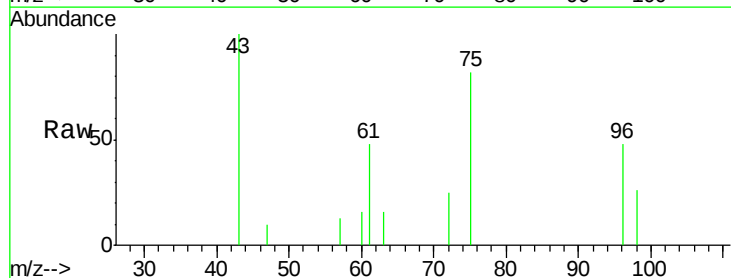
RT: 7.19 min Scan# 867

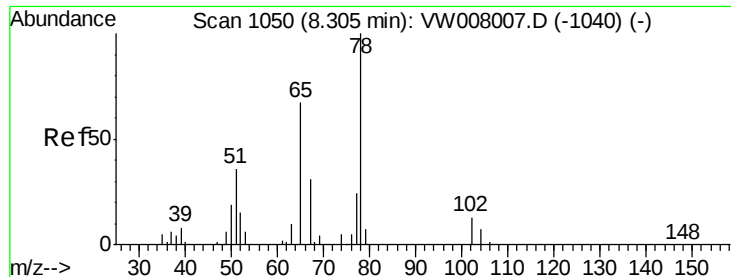
Delta R.T. 0.02 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

Tgt Ion:	43	Resp:	1275
Ion	Ratio	Lower	Upper
43	100		
72	25.1	23.8	35.8





#33

1,2-Dichloroethane-d4

Concen: 55.228 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

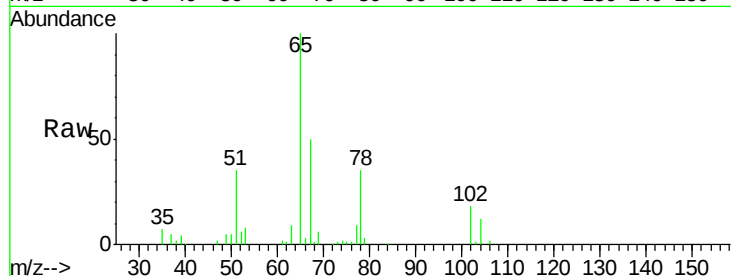
CPSB-09(10-15)

Tot Ion: 65 Resp: 43082

Ion Ratio Lower Upper

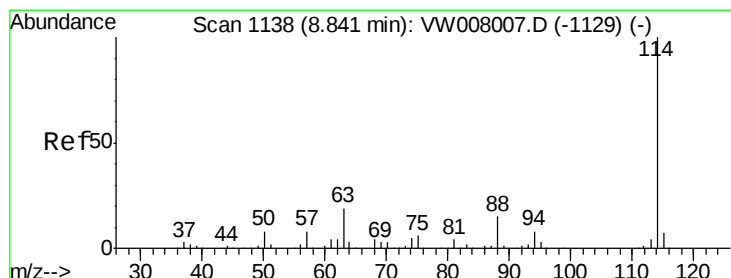
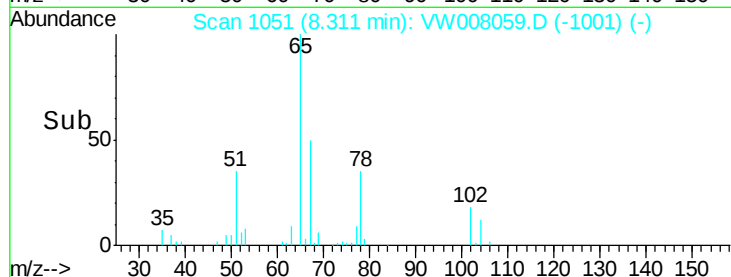
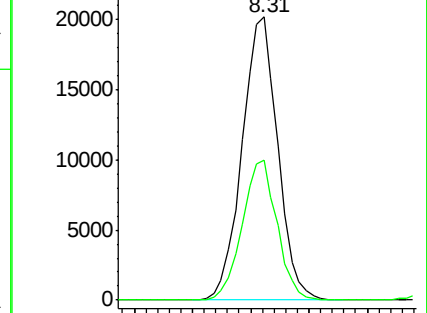
65 100

67 48.2 0.0 94.8



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: VW008059.D

Acq: 04 Jan 2019 20:22

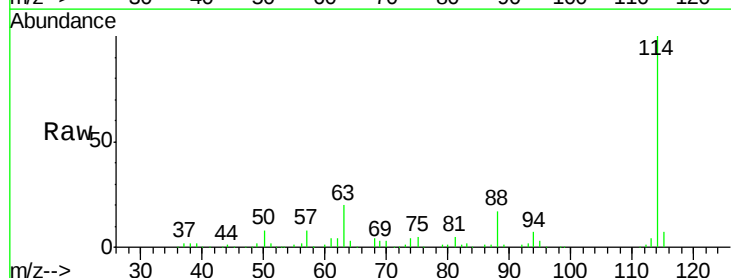
Tgt Ion: 114 Resp: 118315

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.8

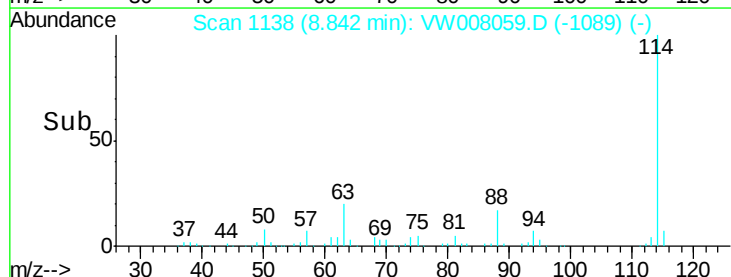
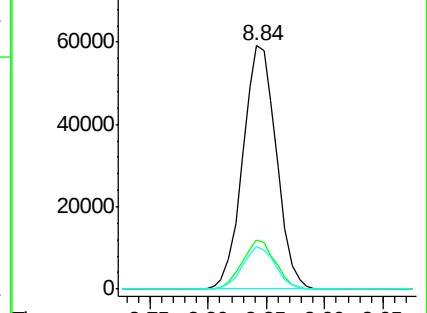
88 17.4 0.0 31.0

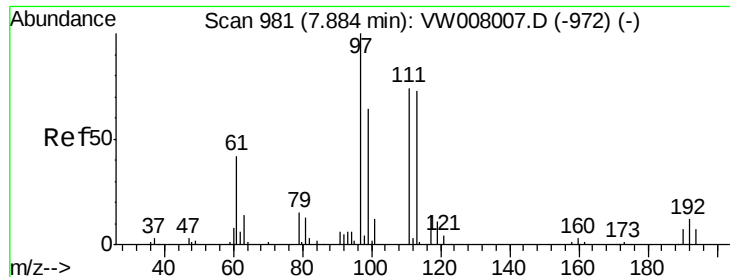


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 49.707 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

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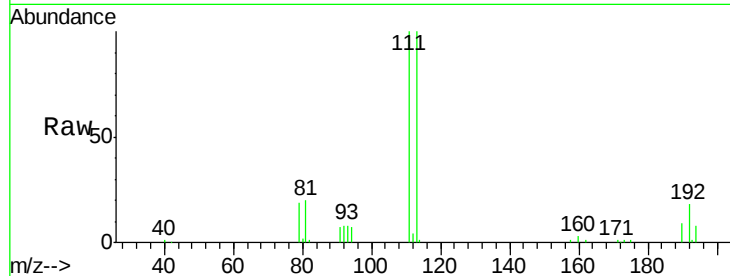
Tot Ion:113 Resp: 37075

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

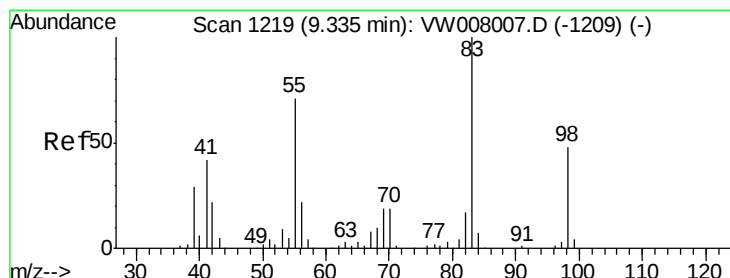
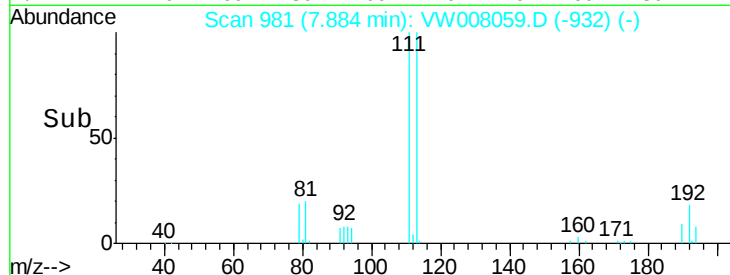
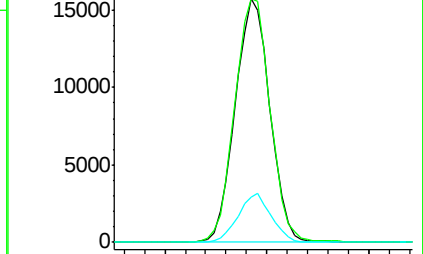
192 19.0 14.8 22.2



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



#39

Methylcyclohexane

Concen: 4.728 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

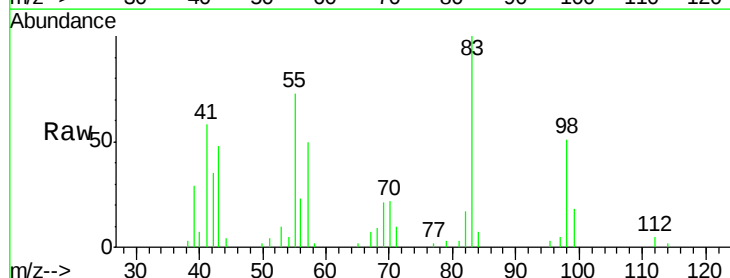
Tgt Ion: 83 Resp: 6878

Ion Ratio Lower Upper

83 100

55 73.2 56.8 85.2

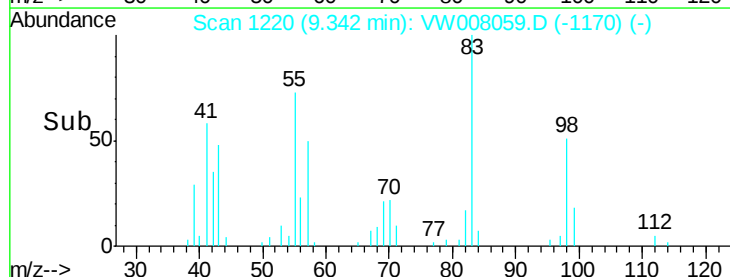
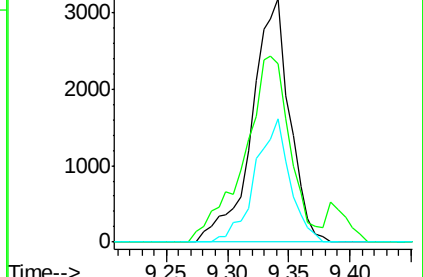
98 50.6 38.6 58.0

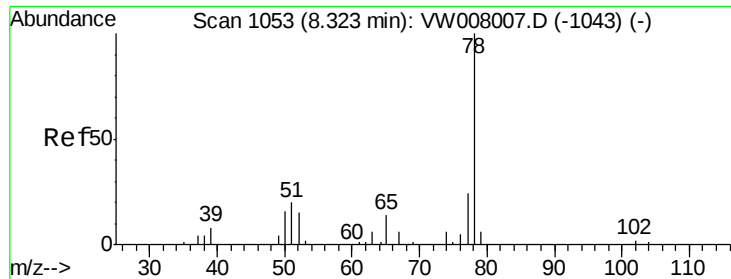


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 8.096 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

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ClientSampleId :

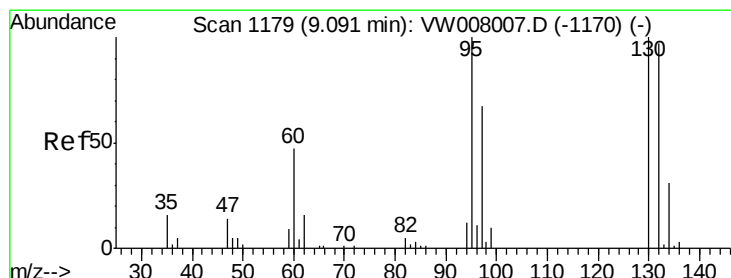
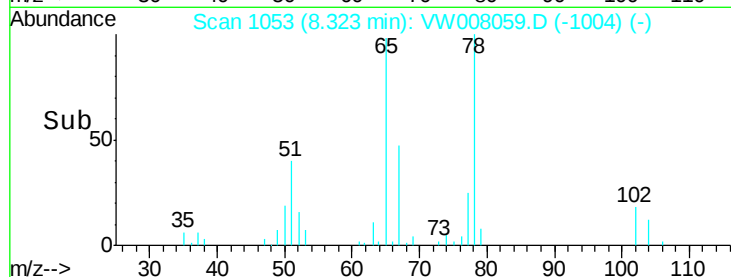
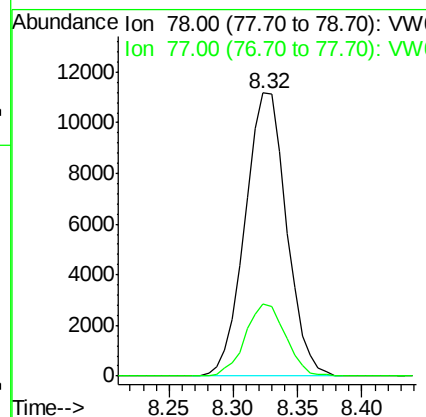
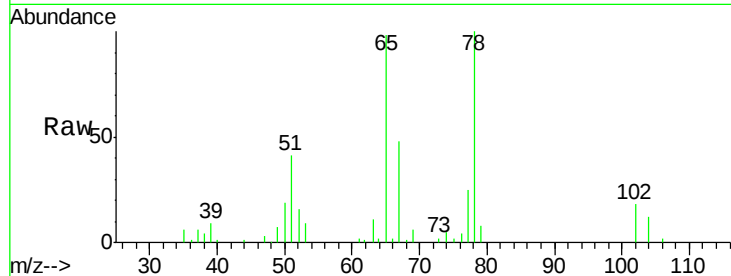
CPSB-09(10-15)

Tot Ion: 78 Resp: 24929

Ion Ratio Lower Upper

78 100

77 25.4 19.0 28.6



#44

Trichloroethene

Concen: 5.318 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008059.D

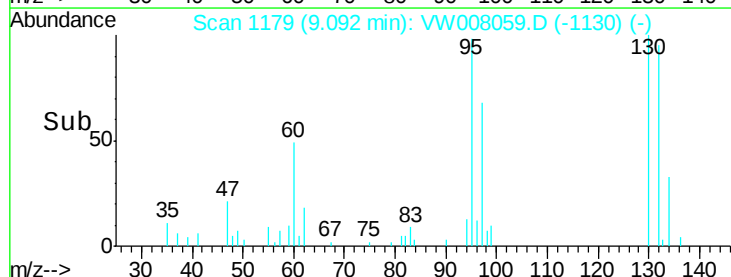
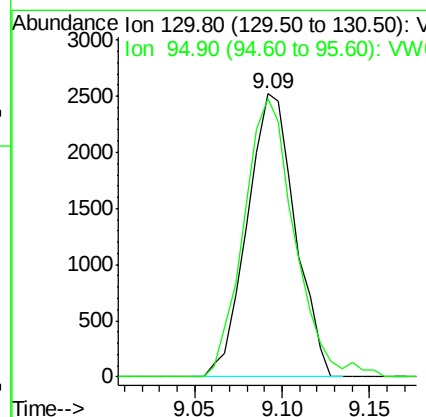
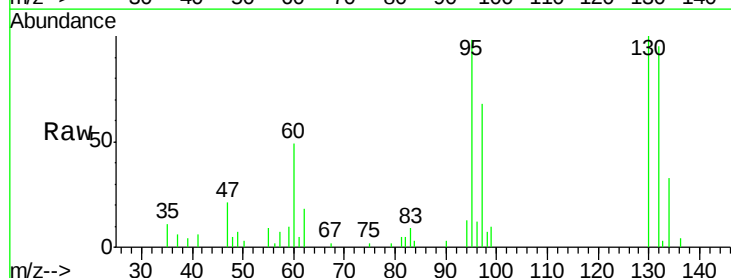
Acq: 04 Jan 2019 20:22

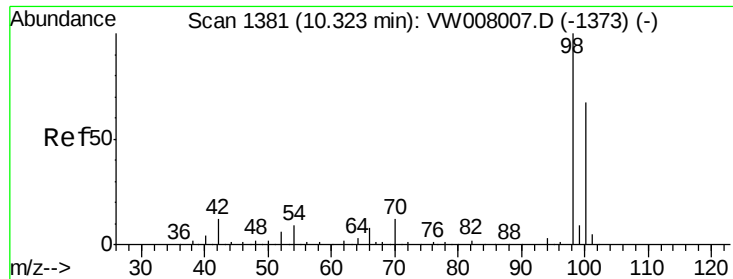
Tgt Ion: 130 Resp: 4832

Ion Ratio Lower Upper

130 100

95 98.5 0.0 200.0

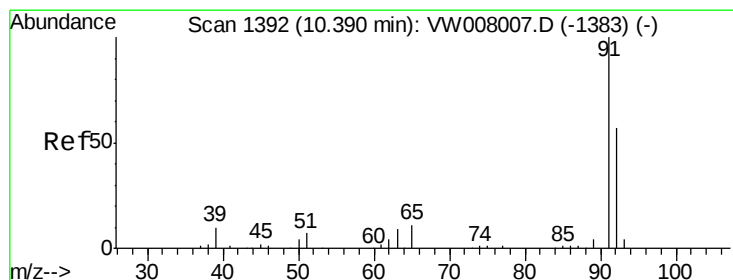
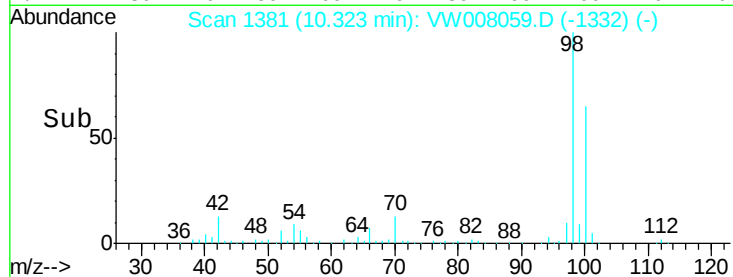
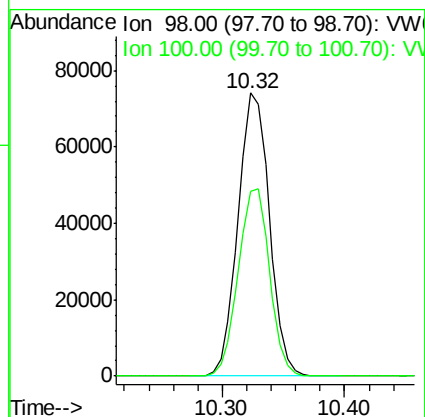
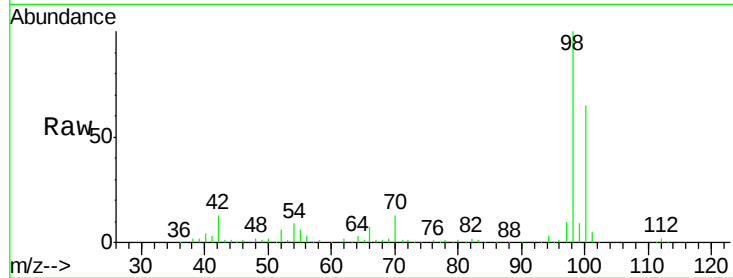




#50
Toluene-d8
Concen: 47.213 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

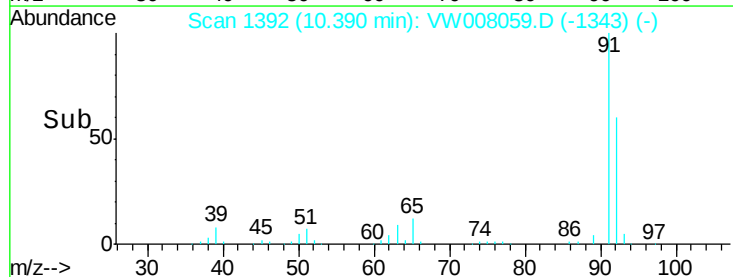
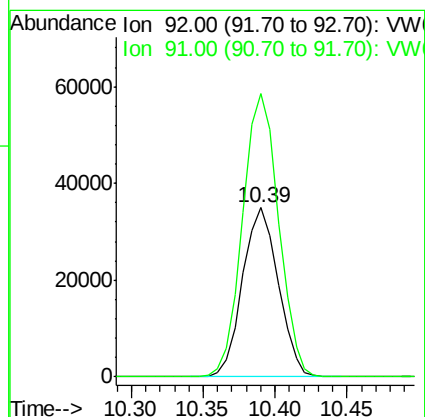
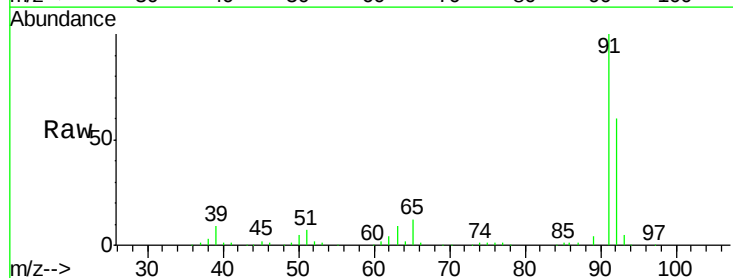
Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

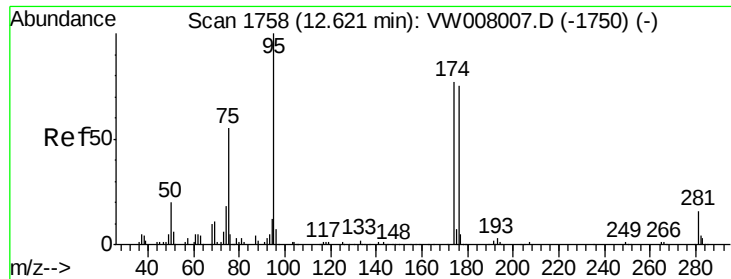
Tot Ion: 98 Resp: 132099
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#52
Toluene
Concen: 29.653 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

Tgt Ion: 92 Resp: 60274
Ion Ratio Lower Upper
92 100
91 168.7 136.9 205.3





#62

4-Bromofluorobenzene

Concen: 39.520 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

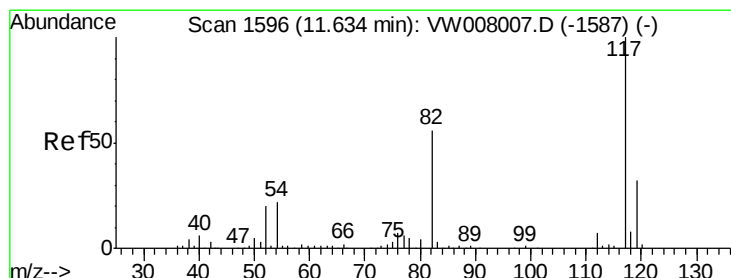
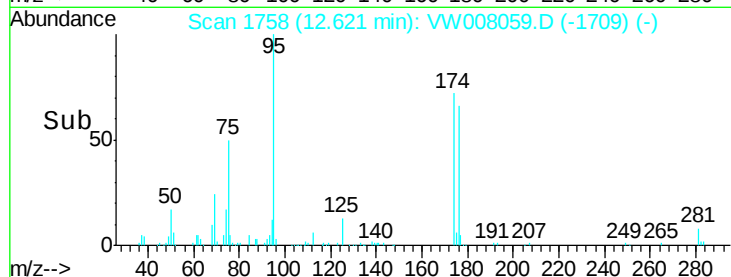
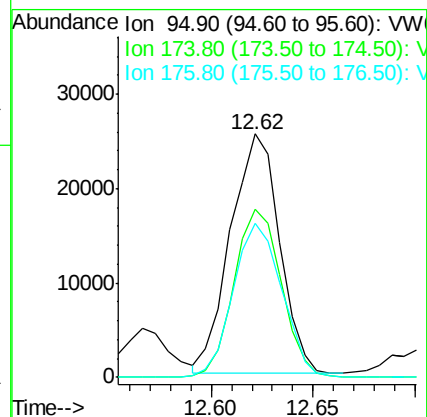
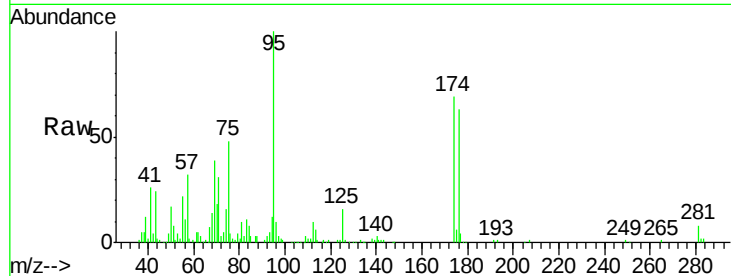
Tot Ion: 95 Resp: 42406

Ion Ratio Lower Upper

95 100

174 67.7 0.0 149.6

176 63.7 0.0 145.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

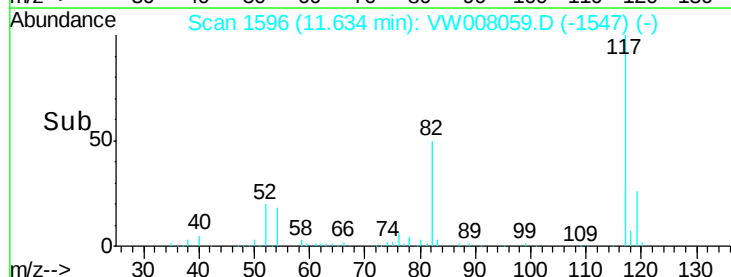
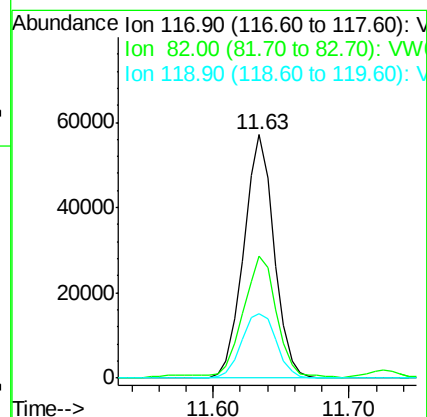
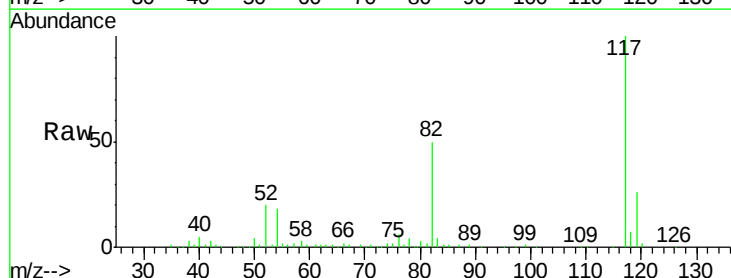
Tgt Ion: 117 Resp: 88878

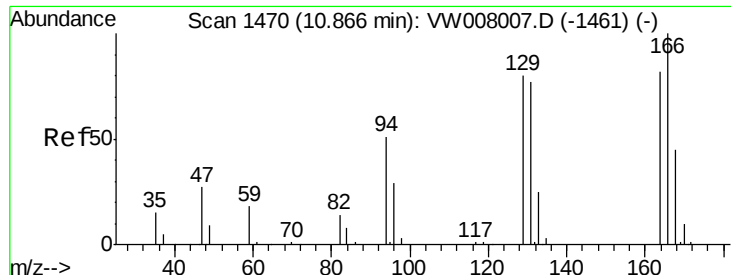
Ion Ratio Lower Upper

117 100

82 49.7 44.8 67.2

119 26.2 25.6 38.4

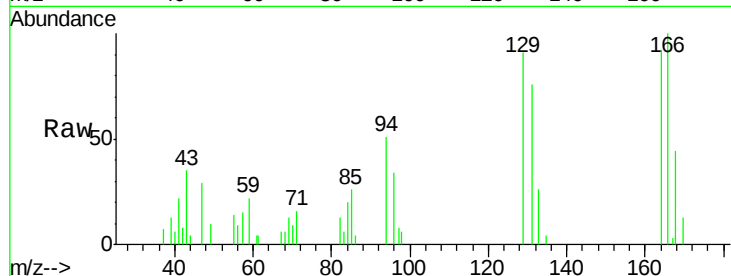




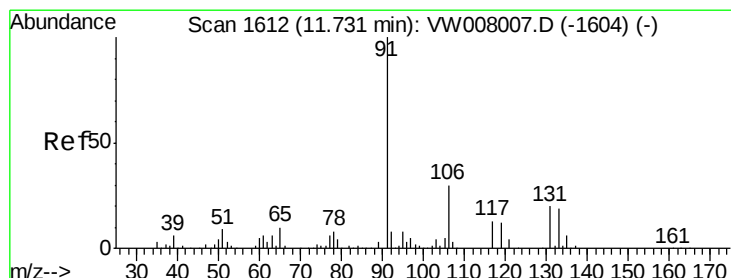
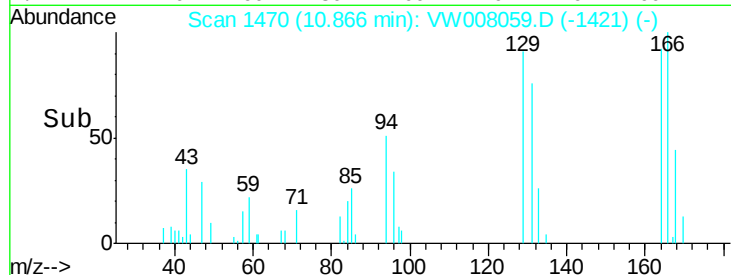
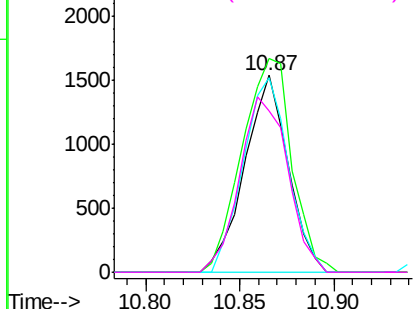
#64
Tetrachloroethene
Concen: 4.000 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

Tot Ion:164 Resp: 2456
Ion Ratio Lower Upper
164 100
166 108.7 98.1 147.1
129 99.2 78.0 117.0
131 82.2 75.8 113.8

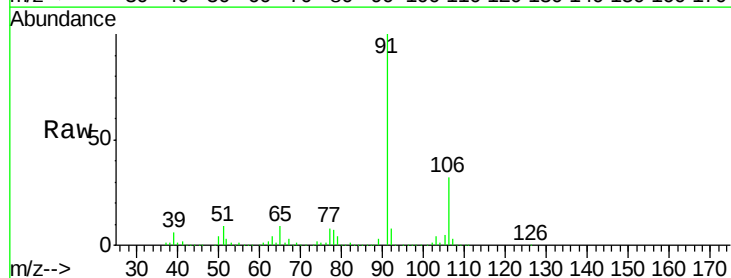


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

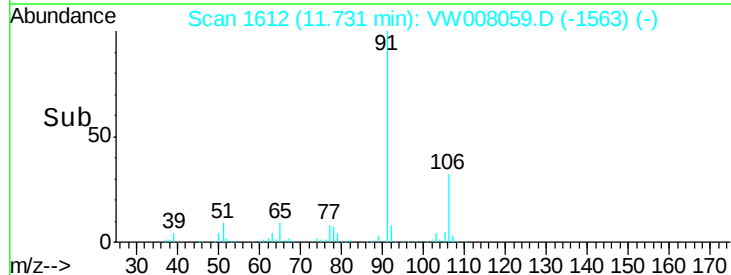
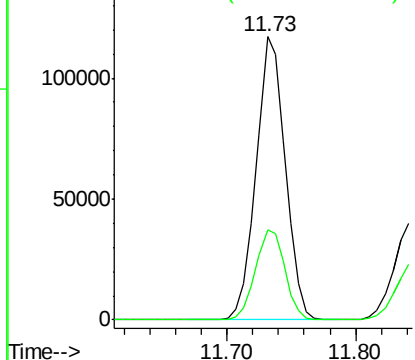


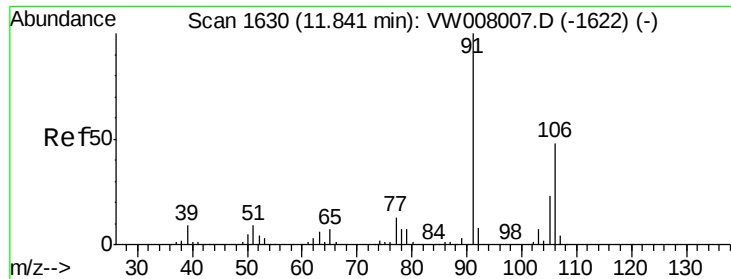
#67
Ethyl Benzene
Concen: 54.028 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

Tgt Ion: 91 Resp: 182160
Ion Ratio Lower Upper
91 100
106 31.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

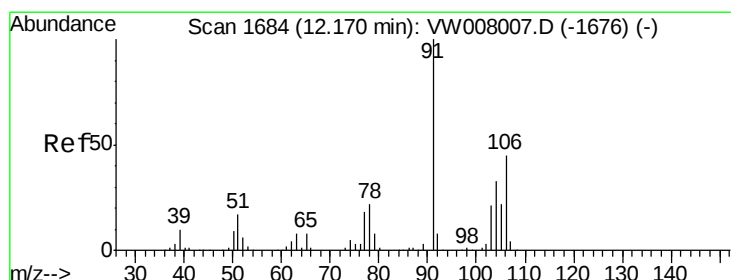
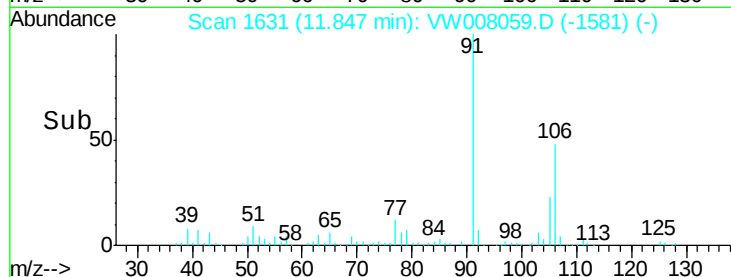
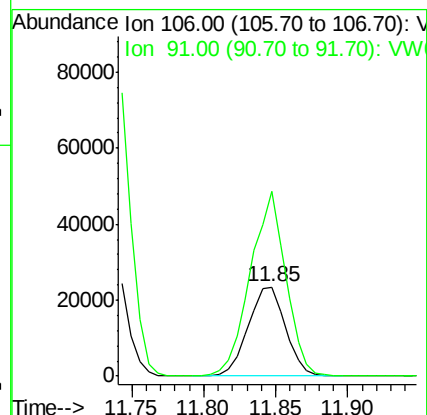
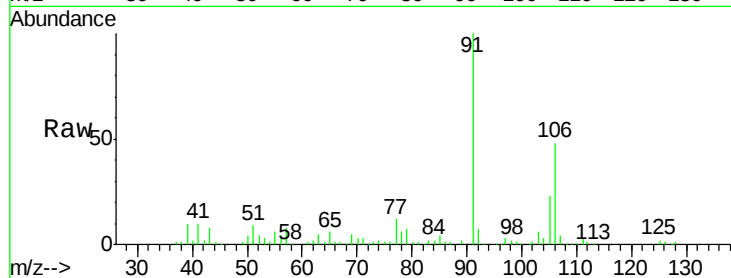




#68
m/p-Xylenes
Concen: 32.217 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

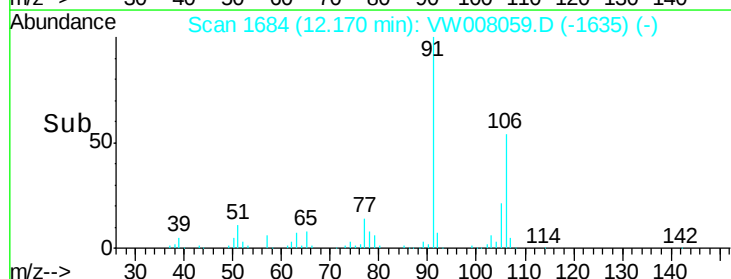
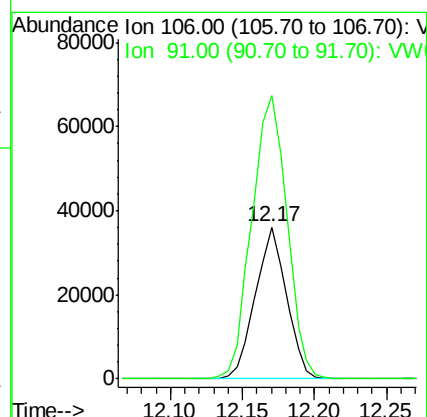
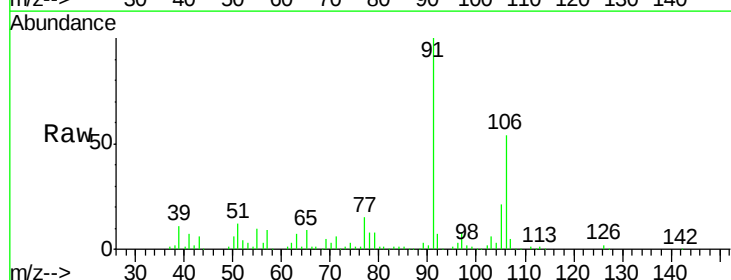
Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

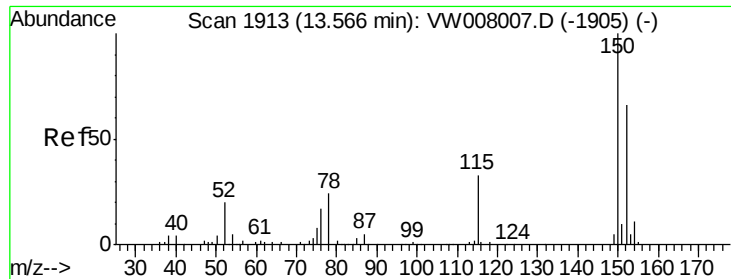
Tot Ion:106 Resp: 41994
Ion Ratio Lower Upper
106 100
91 196.6 165.8 248.8



#69
o-Xylene
Concen: 44.474 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

Tgt Ion:106 Resp: 53942
Ion Ratio Lower Upper
106 100
91 211.1 110.6 331.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

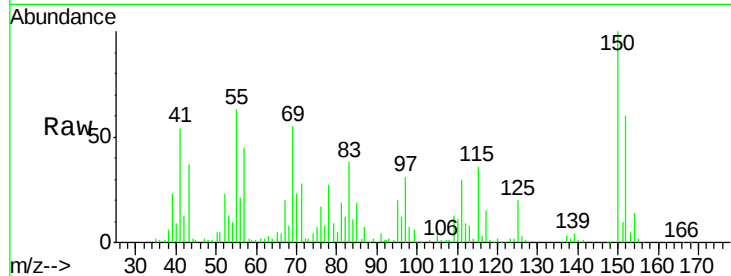
Tot Ion:152 Resp: 27540

Ion Ratio Lower Upper

152 100

115 59.8 32.1 96.5

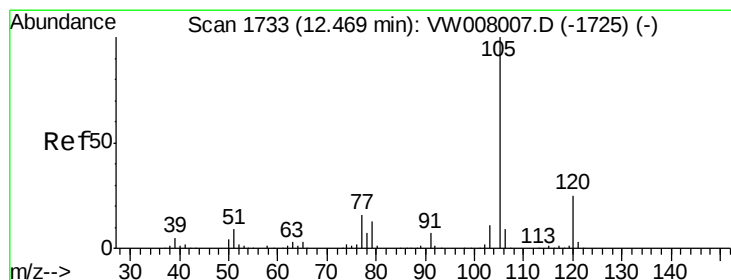
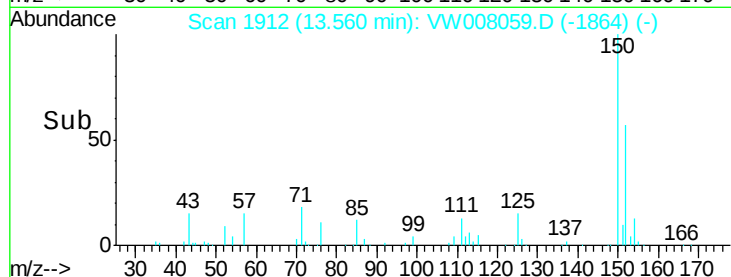
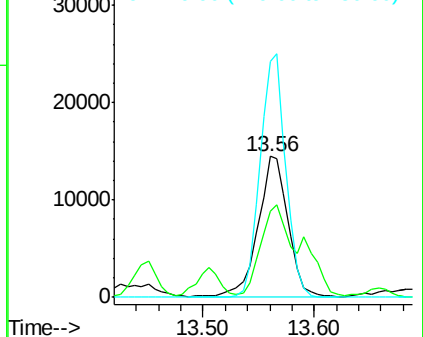
150 145.7 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 14.764 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008059.D

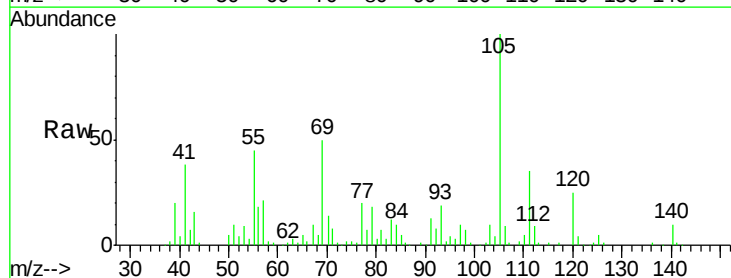
Acq: 04 Jan 2019 20:22

Tgt Ion:105 Resp: 32333

Ion Ratio Lower Upper

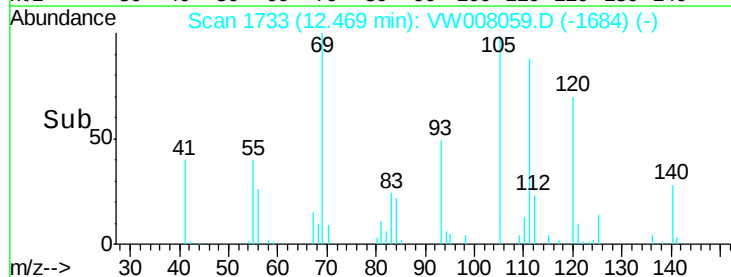
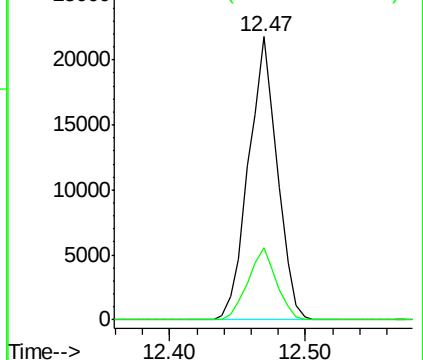
105 100

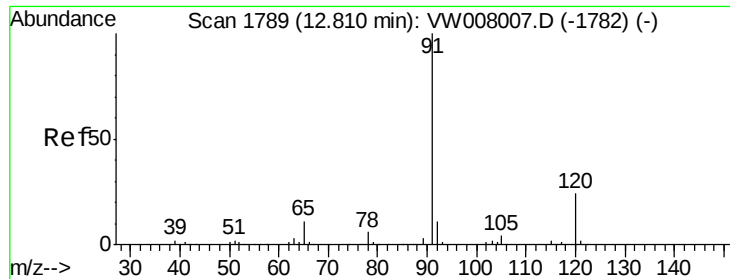
120 24.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 38.403 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008059.D

Acq: 04 Jan 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

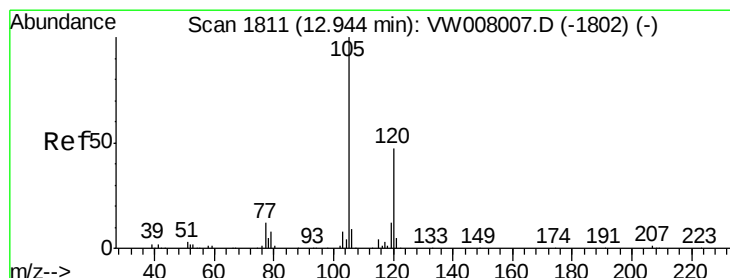
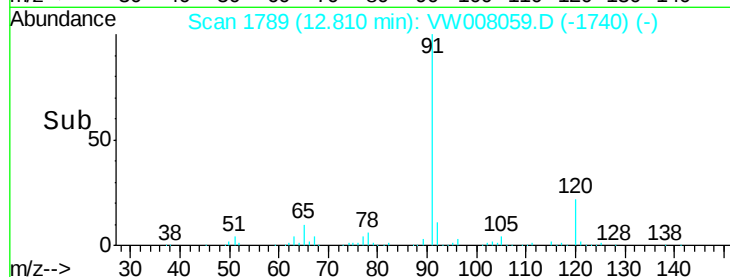
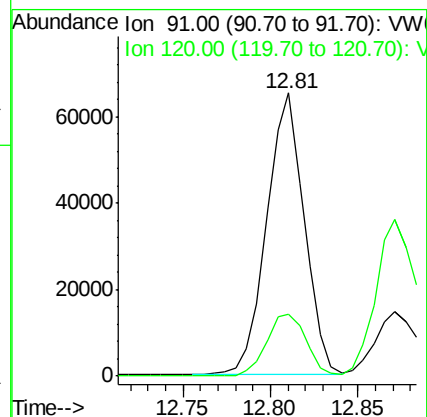
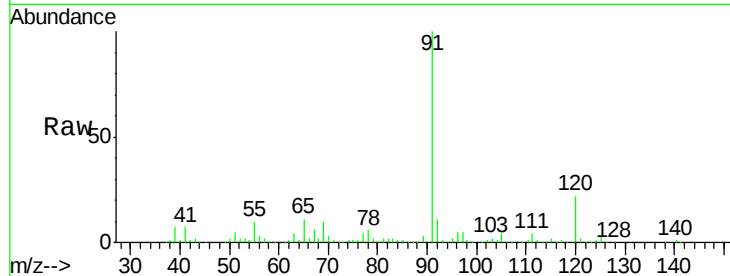
CPSB-09(10-15)

Tot Ion: 91 Resp: 97505

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 88.795 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008059.D

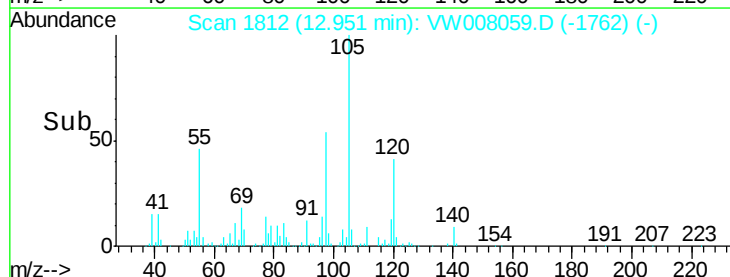
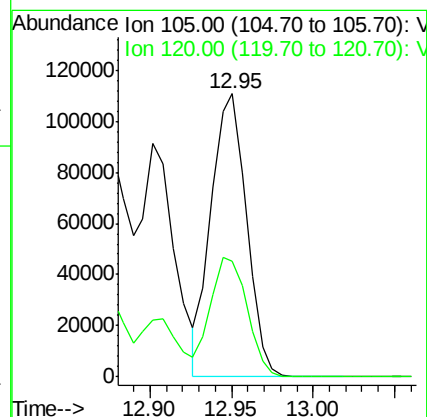
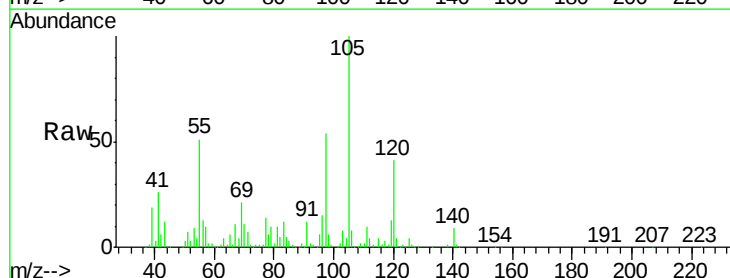
Acq: 04 Jan 2019 20:22

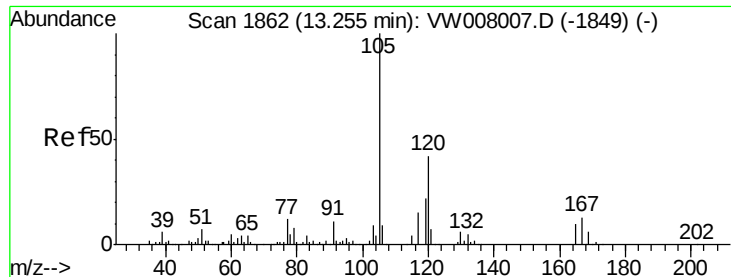
Tgt Ion:105 Resp: 167380

Ion Ratio Lower Upper

105 100

120 44.2 23.3 69.9

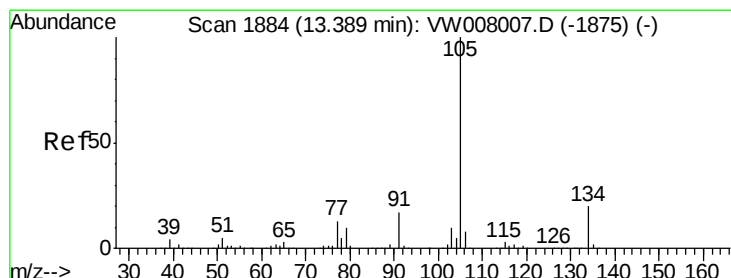
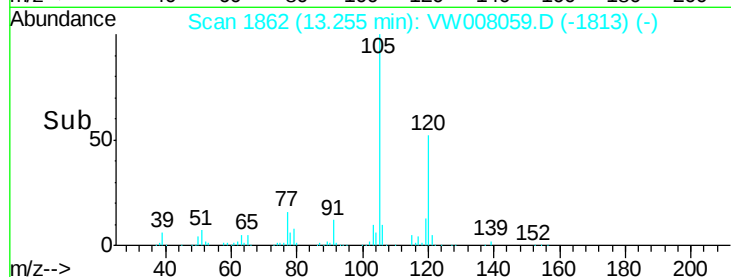
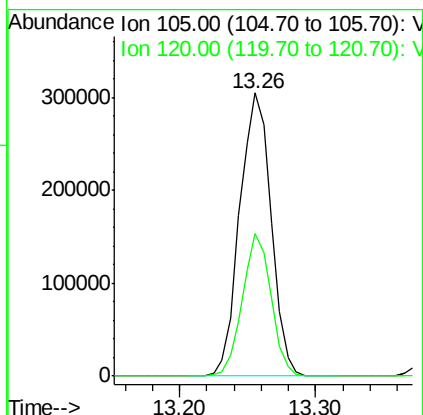
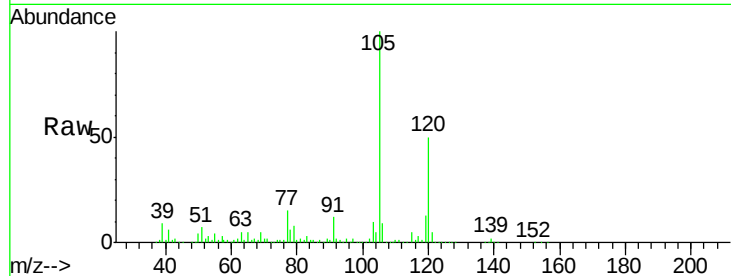




#84
 1,2,4-Trimethylbenzene
 Concen: 257.007 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008059.D
 Acq: 04 Jan 2019 20:22

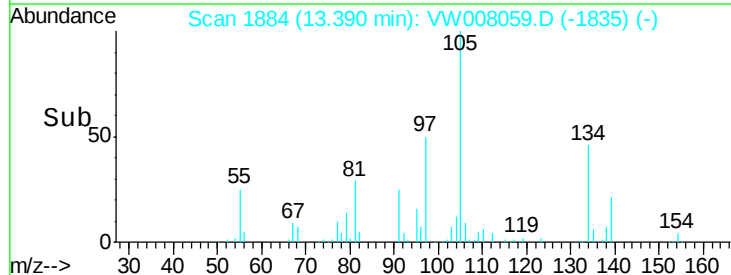
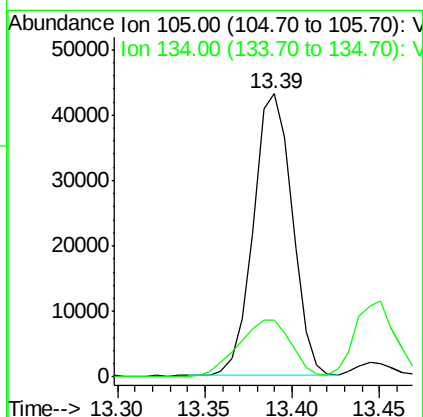
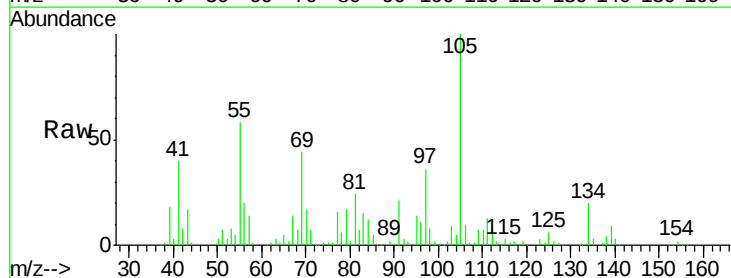
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-09(10-15)

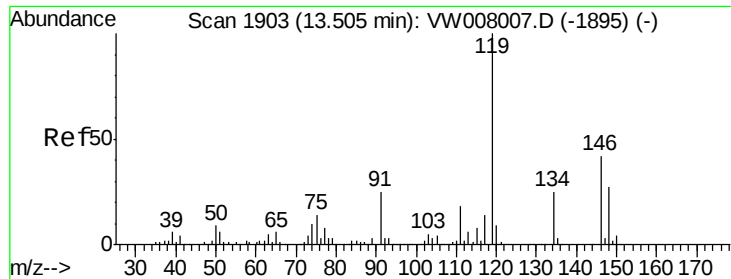
Tot Ion:105 Resp: 490708
 Ion Ratio Lower Upper
 105 100
 120 46.1 21.5 64.5



#85
 sec-Butylbenzene
 Concen: 29.423 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008059.D
 Acq: 04 Jan 2019 20:22

Tgt Ion:105 Resp: 66753
 Ion Ratio Lower Upper
 105 100
 134 27.8 9.7 28.9

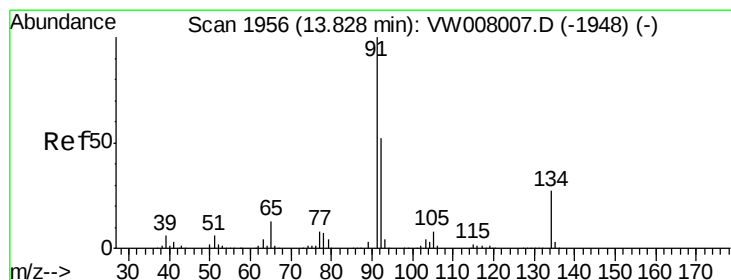
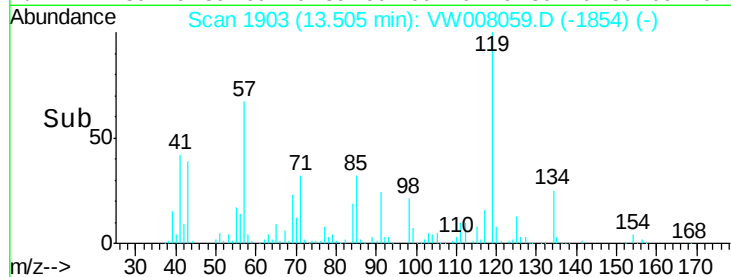
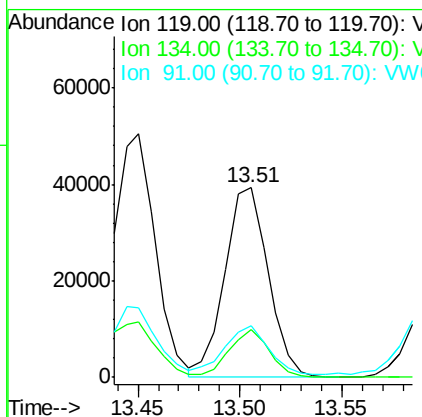
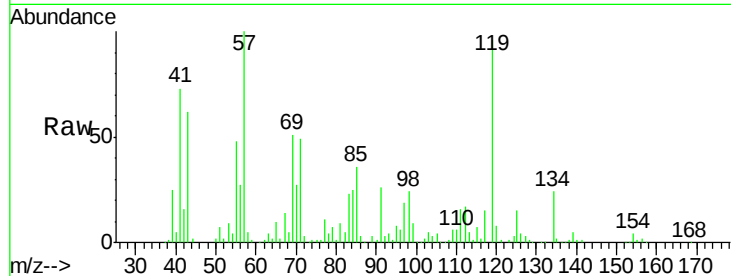




#86
p-Isopropyltoluene
Concen: 28.221 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

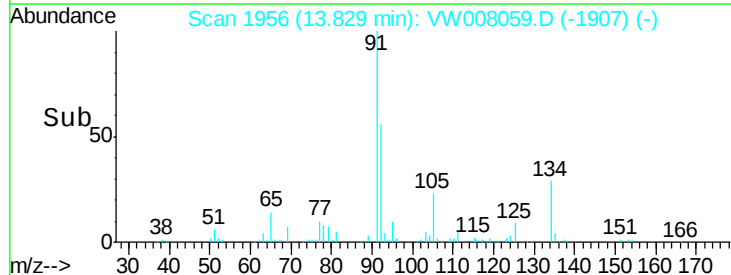
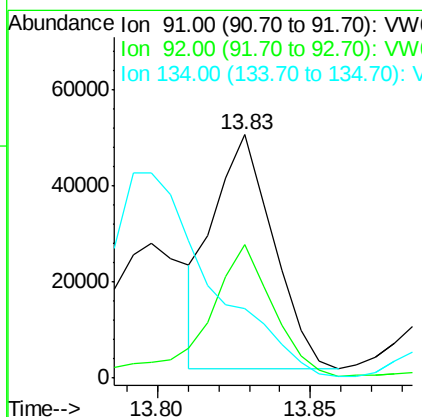
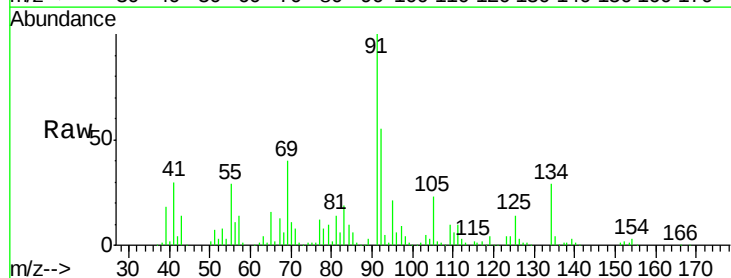
Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

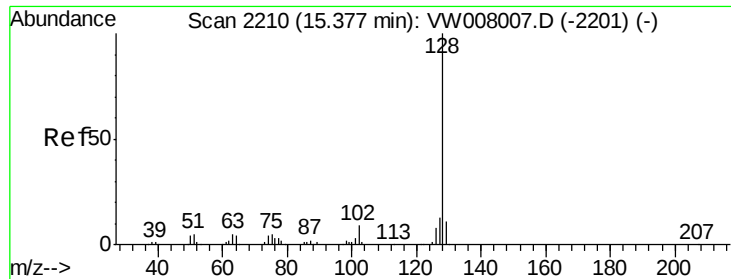
Tot Ion:119 Resp: 57750
Ion Ratio Lower Upper
119 100
134 23.8 12.5 37.5
91 25.3 13.1 39.3



#89
n-Butylbenzene
Concen: 35.163 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

Tgt Ion: 91 Resp: 65817
Ion Ratio Lower Upper
91 100
92 62.7 26.4 79.2
134 0.0 13.4 40.2#

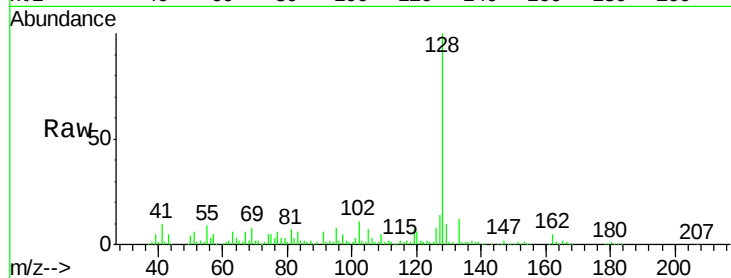




#95
Naphthalene
Concen: 169.587 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008059.D
Acq: 04 Jan 2019 20:22

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.8	16.2
129	11.4	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

