

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008182.D
 Acq On : 11 Jan 2019 07:46
 Operator : SY/AP
 Sample : K1102-01
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-18(15-20)

Quant Time: Jan 11 11:03:21 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

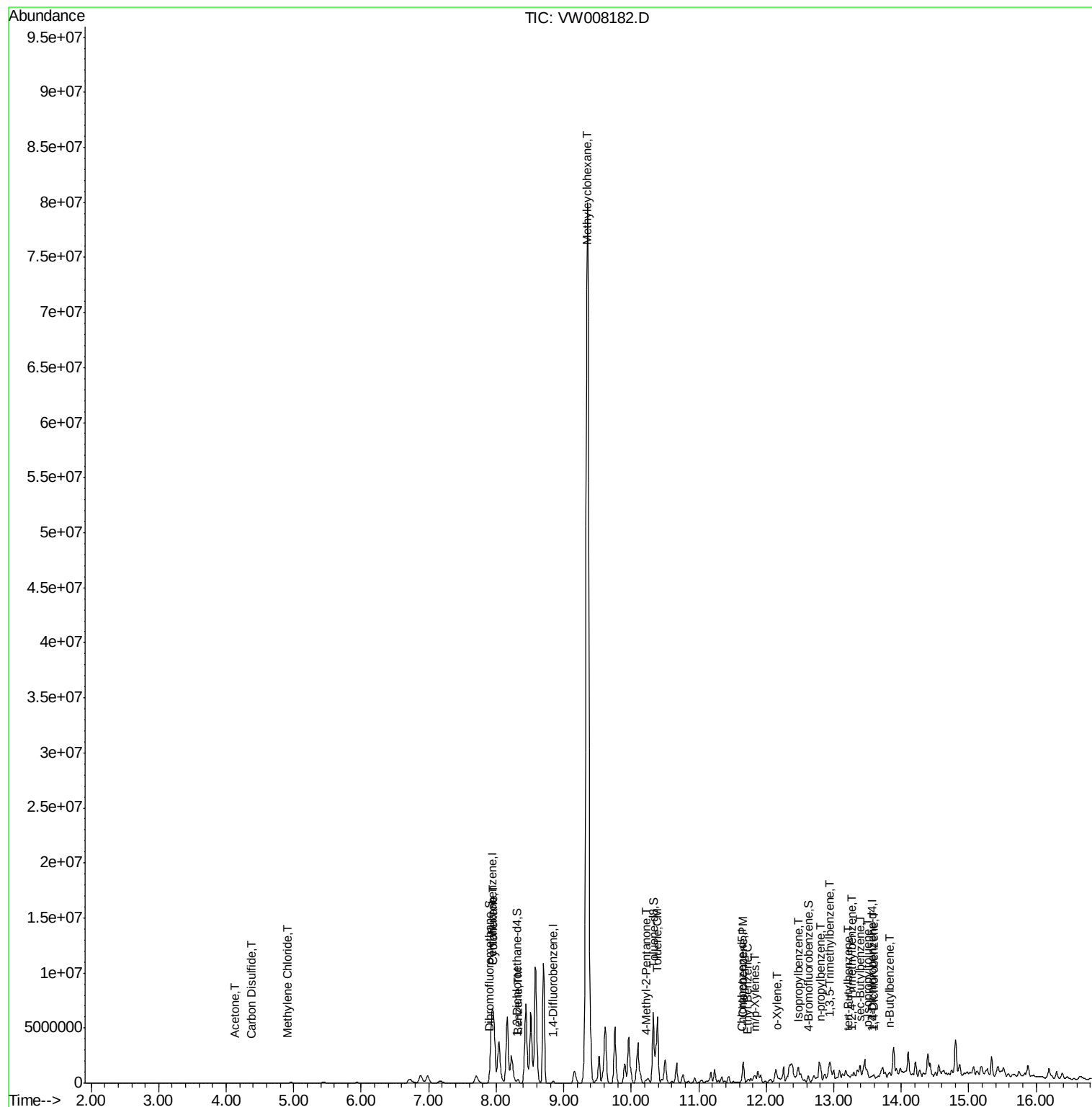
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	99406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	146621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60385	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47050	42.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.22%	
35) Dibromofluoromethane	7.89	113	42721	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.32	98	495914	138.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.38%	
62) 4-Bromofluorobenzene	12.62	95	79860	62.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.16%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	39192	190.089	ug/l	93
17) Carbon Disulfide	4.38	76	13011	3.826	ug/l	100
20) Methylene Chloride	4.90	84	10770	5.513	ug/l	93
31) Cyclohexane	7.96	56	4414282	1877.456	ug/l	96
39) Methylcyclohexane	9.34	83	29525448m	15417.309	ug/l	
40) Benzene	8.32	78	261094	63.736	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	101100	172.639	ug/l	92
52) Toluene	10.39	92	2260200	863.934	ug/l	100
65) Chlorobenzene	11.66	112	926020	342.353	ug/l	99
67) Ethyl Benzene	11.73	91	105820	21.381	ug/l	100
68) m/p-Xylenes	11.84	106	114443	60.583	ug/l	100
69) o-Xylene	12.16	106	29688	16.971	ug/l	92
73) Isopropylbenzene	12.47	105	375604	79.228	ug/l	98
78) n-propylbenzene	12.81	91	738446	127.126	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	20343	5.222	ug/l	96
83) tert-Butylbenzene	13.21	119	25503	7.400	ug/l	91
84) 1,2,4-Trimethylbenzene	13.26	105	88701	22.076	ug/l	98
85) sec-Butylbenzene	13.39	105	503475	99.724	ug/l	83
86) p-Isopropyltoluene	13.51	119	113137m	25.950	ug/l	
88) 1,4-Dichlorobenzene	13.58	146	17314	8.493	ug/l #	1
89) n-Butylbenzene	13.83	91	248551	58.209	ug/l	93

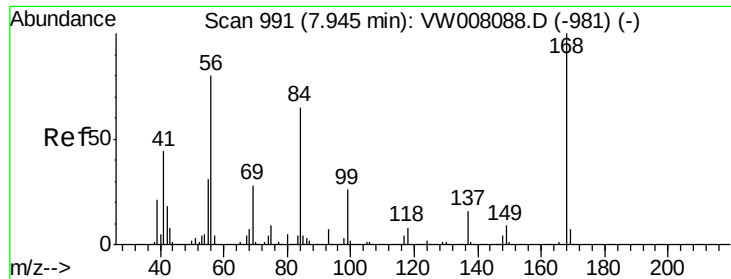
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011019\
Data File : VW008182.D
Acq On : 11 Jan 2019 07:46
Operator : SY/AP
Sample : K1102-01
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CPSB-18(15-20)

Quant Time: Jan 11 11:03:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

Instrument :

MSVOA_W

ClientSampleId :

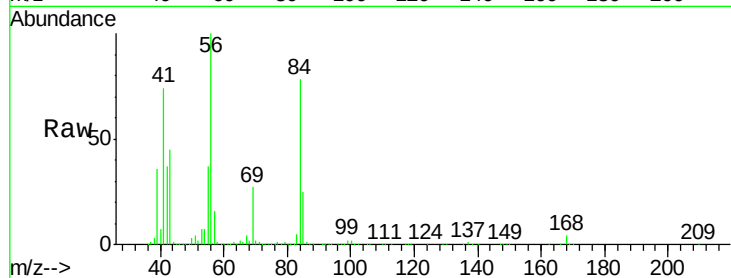
CPSB-18(15-20)

Tot Ion:168 Resp: 99406

Ion Ratio Lower Upper

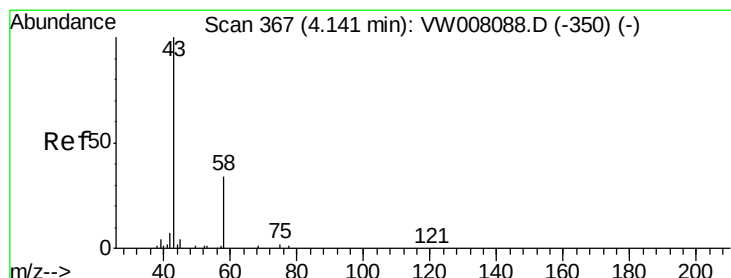
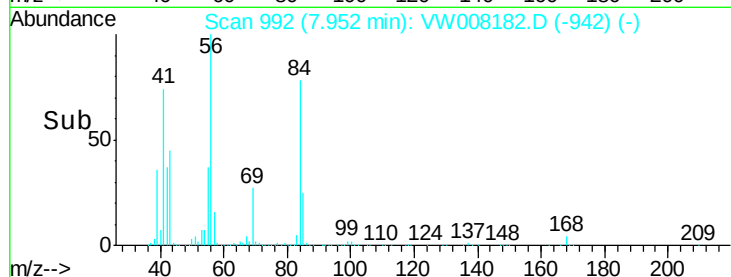
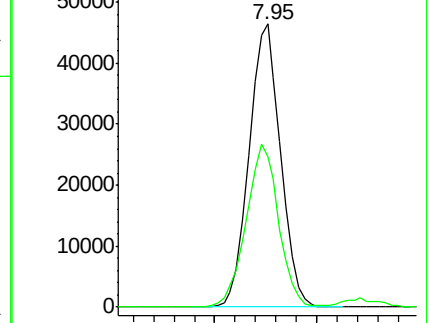
168 100

99 53.0 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 190.089 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008182.D

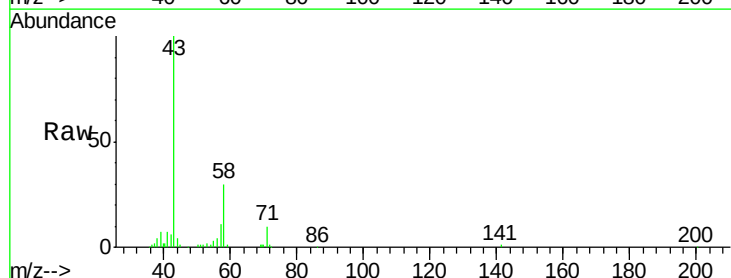
Acq: 11 Jan 2019 07:46

Tgt Ion: 43 Resp: 39192

Ion Ratio Lower Upper

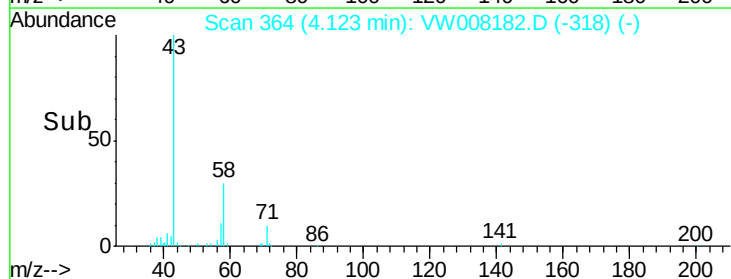
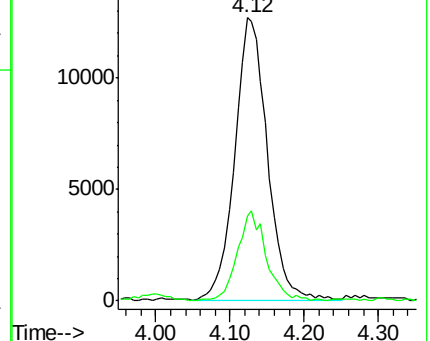
43 100

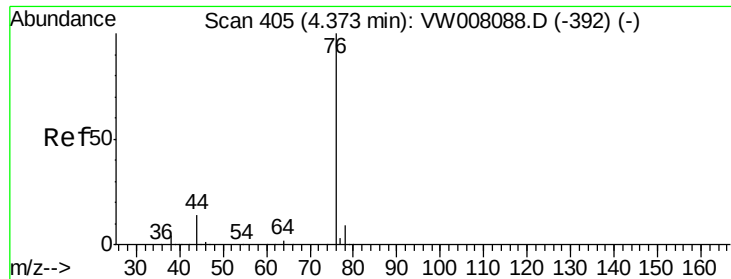
58 30.1 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 3.826 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

Instrument :

MSVOA_W

ClientSampleId :

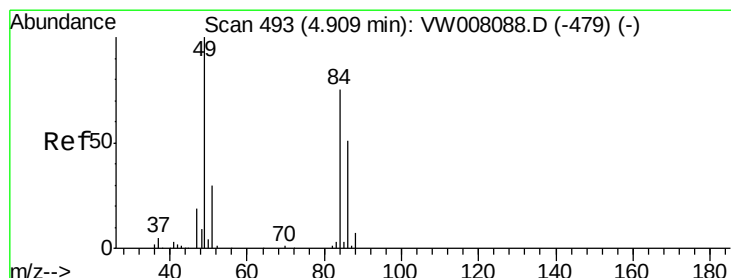
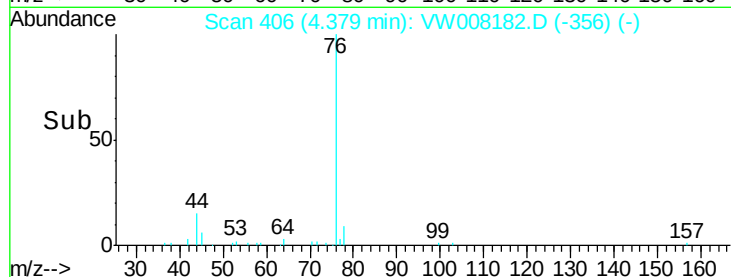
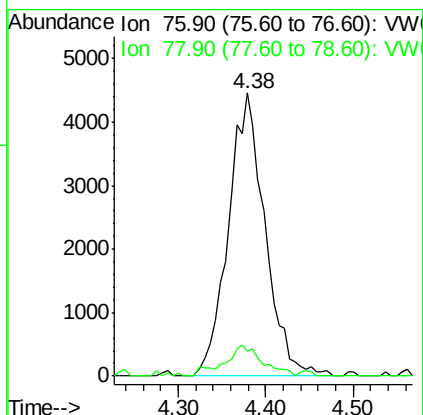
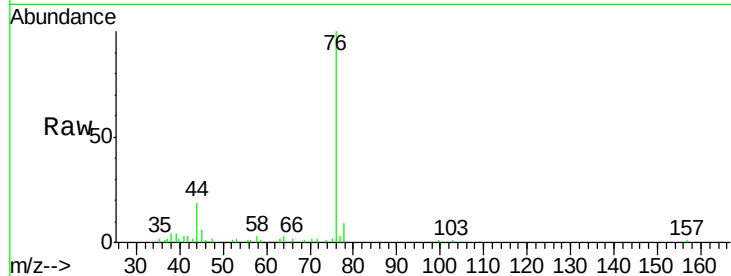
CPSB-18(15-20)

Tot Ion: 76 Resp: 13011

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



#20

Methylene Chloride

Concen: 5.513 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

Tgt Ion: 84 Resp: 10770

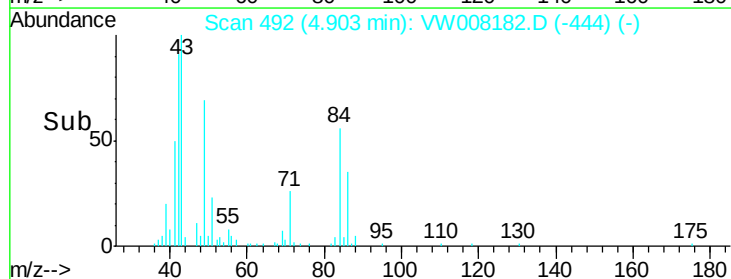
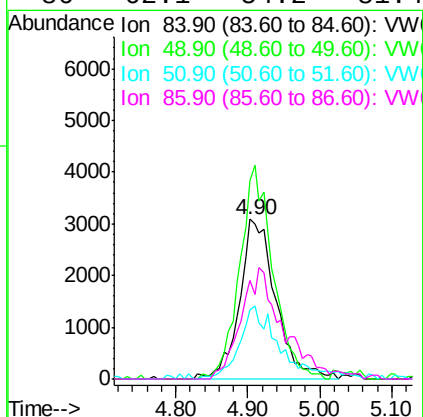
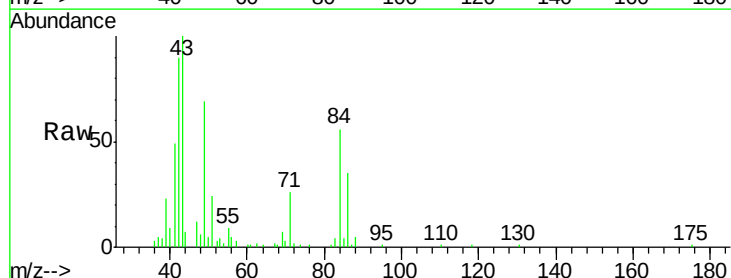
Ion Ratio Lower Upper

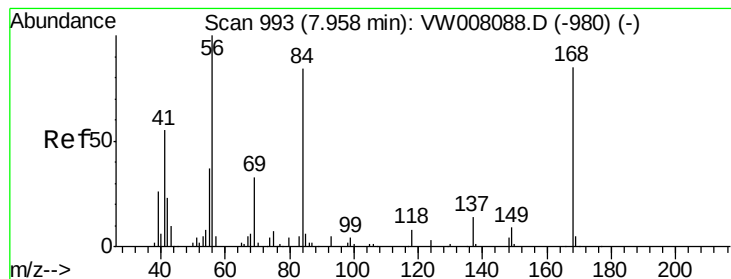
84 100

49 124.5 107.1 160.7

51 39.9 32.4 48.6

86 62.1 54.2 81.4





#31

Cyclohexane

Concen: 1877.456 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

Instrument :

MSVOA_W

ClientSampleId :

CPSB-18(15-20)

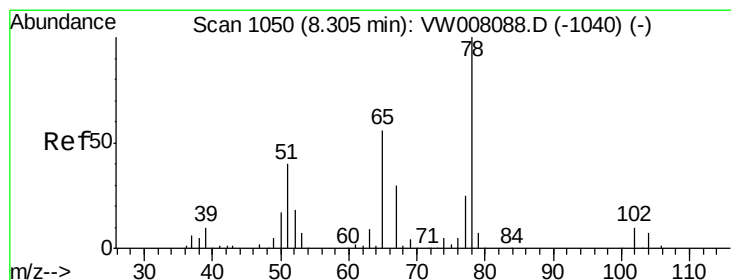
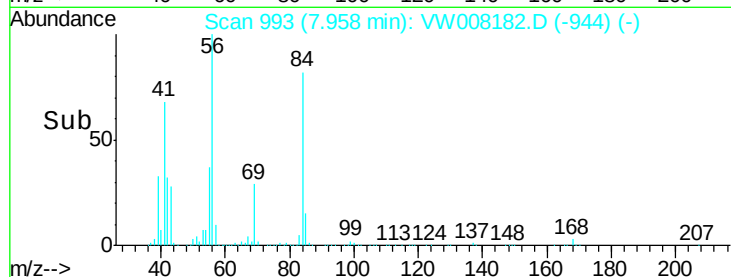
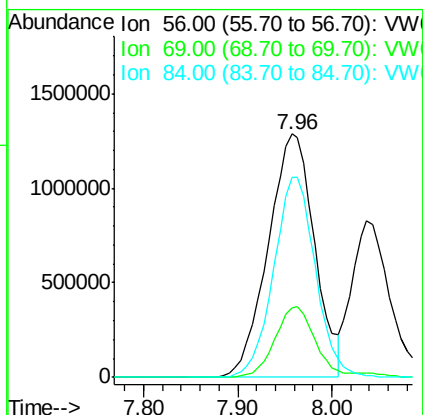
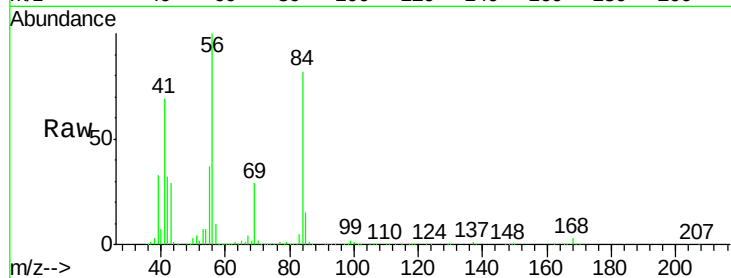
Tot Ion: 56 Resp: 4414282

Ion Ratio Lower Upper

56 100

69 28.7 26.2 39.4

84 82.0 67.4 101.2



#33

1,2-Dichloroethane-d4

Concen: 42.113 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008182.D

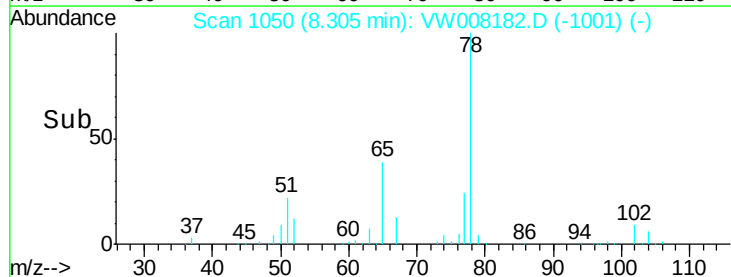
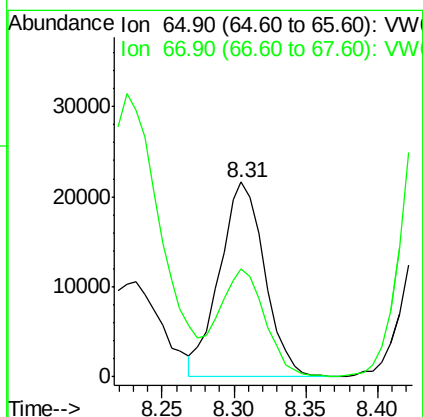
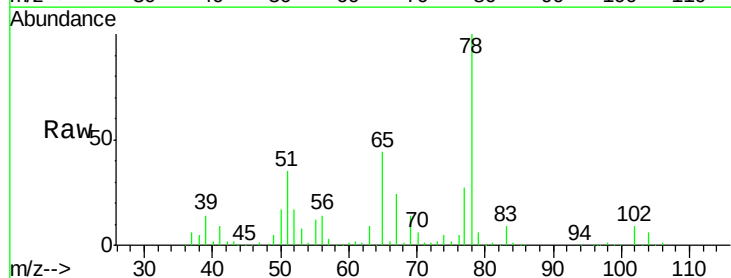
Acq: 11 Jan 2019 07:46

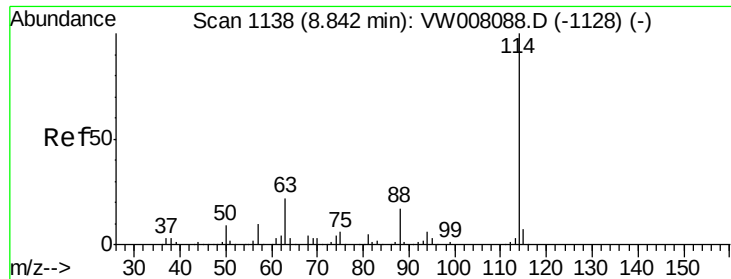
Tgt Ion: 65 Resp: 47050

Ion Ratio Lower Upper

65 100

67 56.6 0.0 106.8

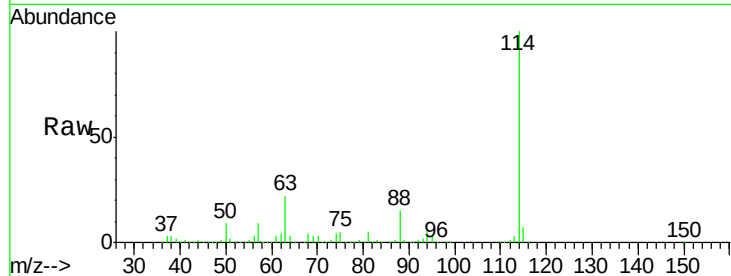




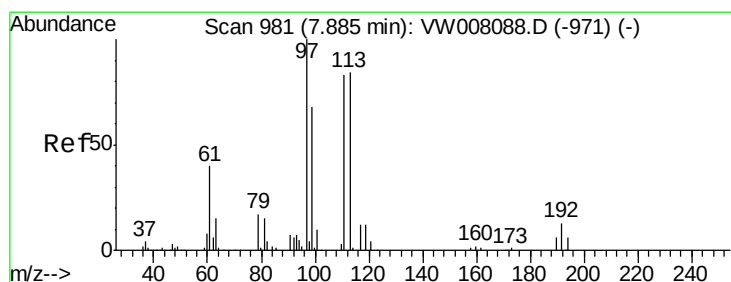
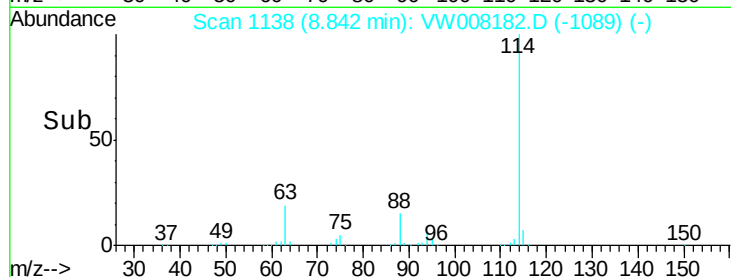
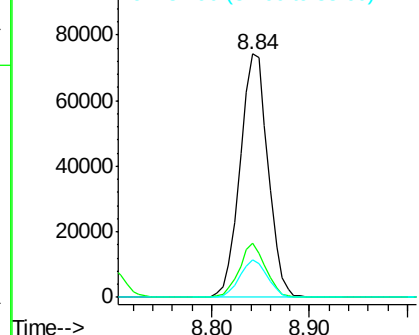
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008182.D
 Acq: 11 Jan 2019 07:46

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-18(15-20)

Tot Ion:114 Resp: 146621
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 15.3 0.0 33.4

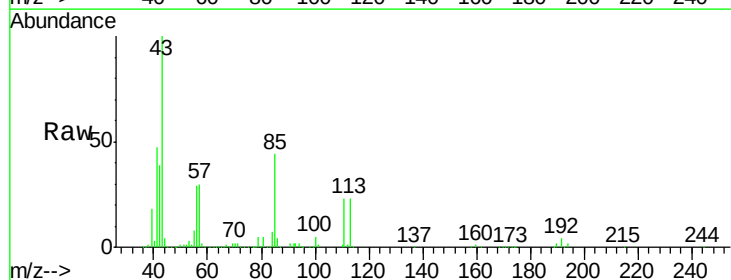


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

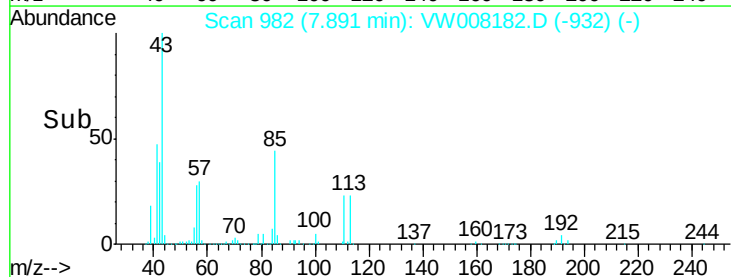
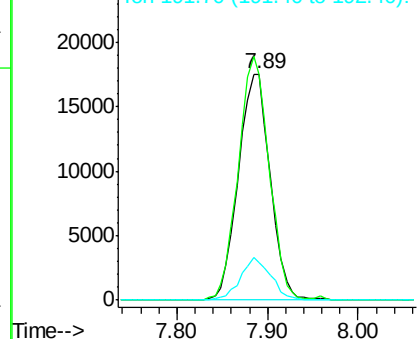


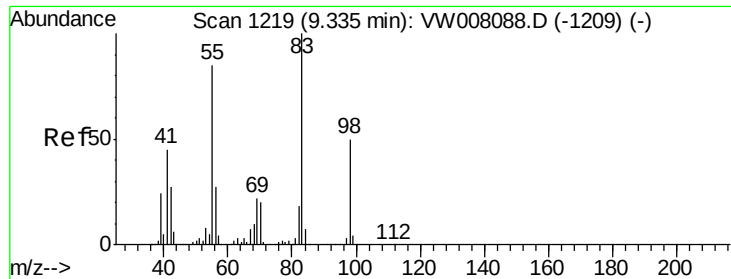
#35
 Dibromofluoromethane
 Concen: 49.957 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW008182.D
 Acq: 11 Jan 2019 07:46

Tgt Ion:113 Resp: 42721
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.8 122.8
 192 17.9 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

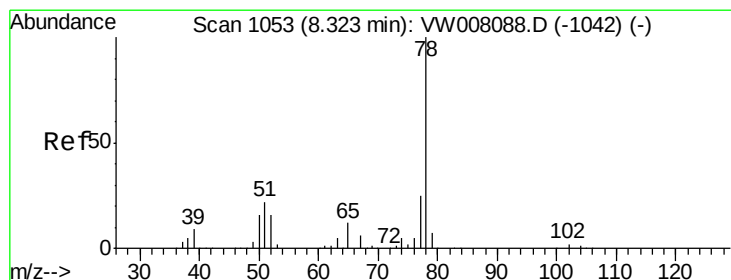
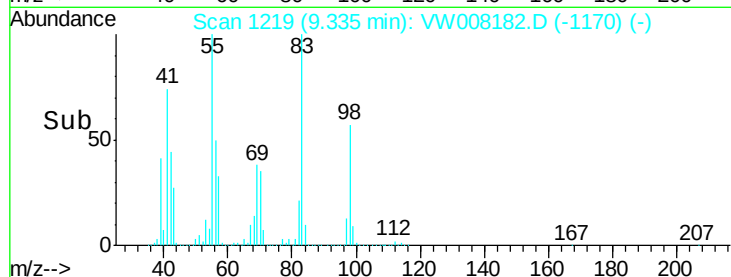
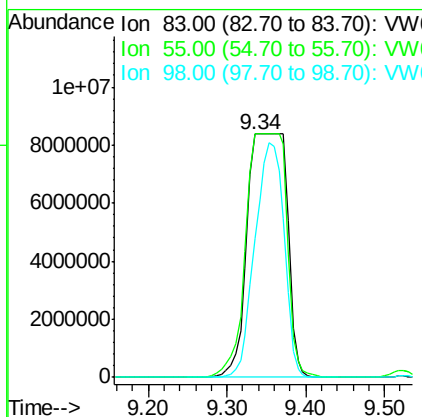
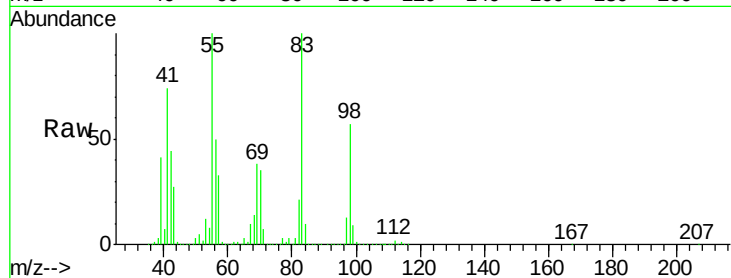




#39
Methylvlcyclohexane
Concen: 15417.309 ug/l m
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

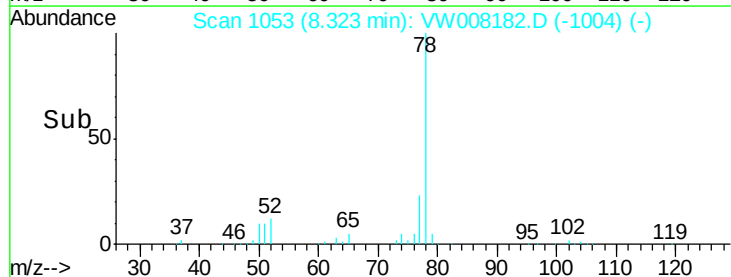
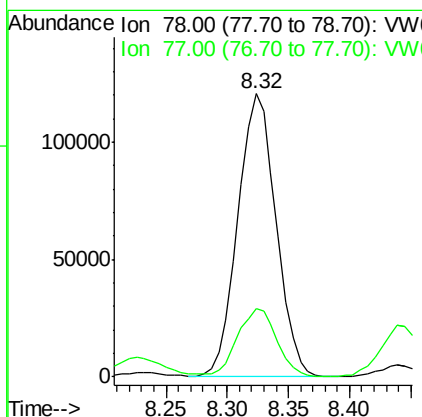
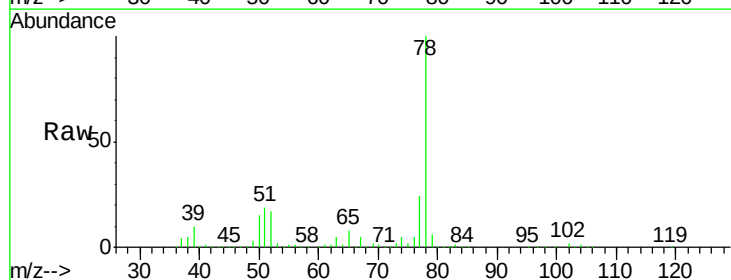
Instrument :
MSVOA_W
ClientSampled :
CPSB-18(15-20)

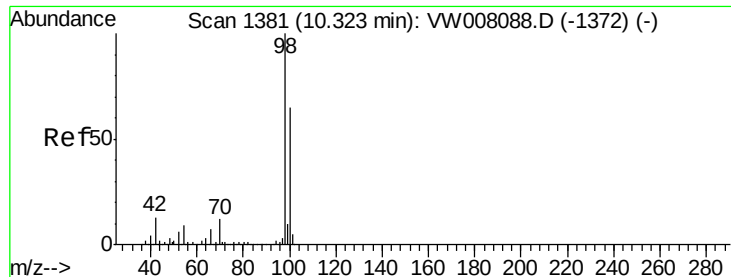
Tot Ion: 83 Resp:29525448
Ion Ratio Lower Upper
83 100
55 100.0 67.8 101.6
98 56.9 40.2 60.4



#40
Benzene
Concen: 63.736 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

Tgt Ion: 78 Resp: 261094
Ion Ratio Lower Upper
78 100
77 24.0 20.2 30.4

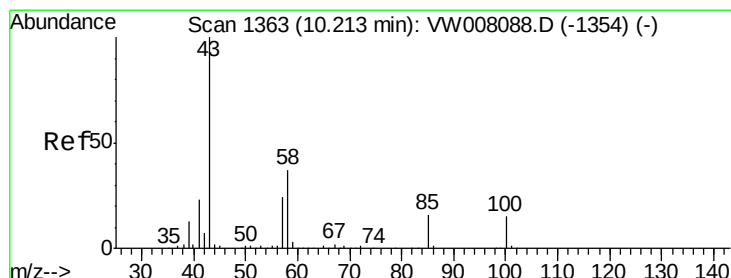
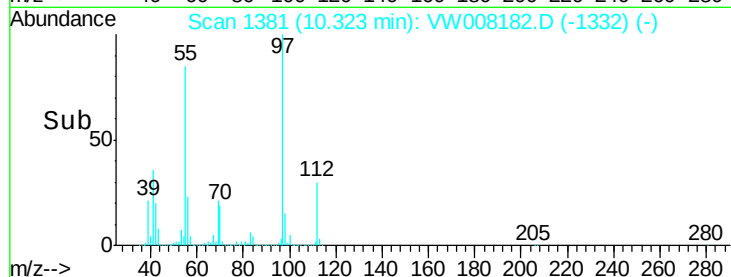
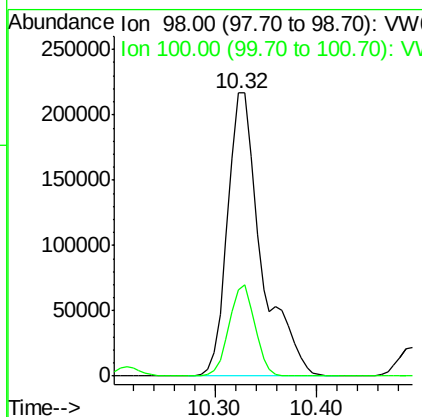
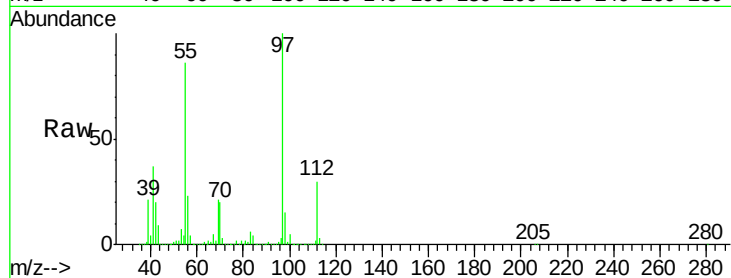




#50
Toluene-d8
Concen: 138.194 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

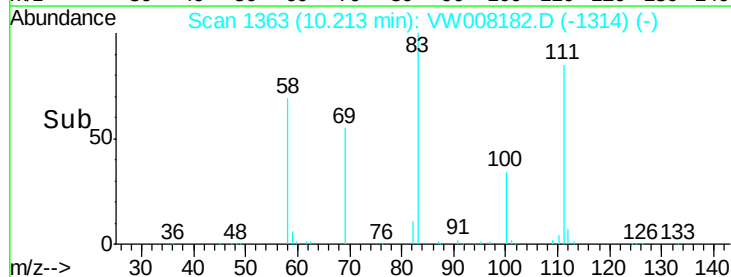
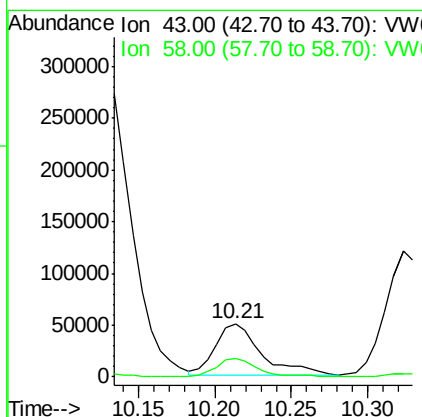
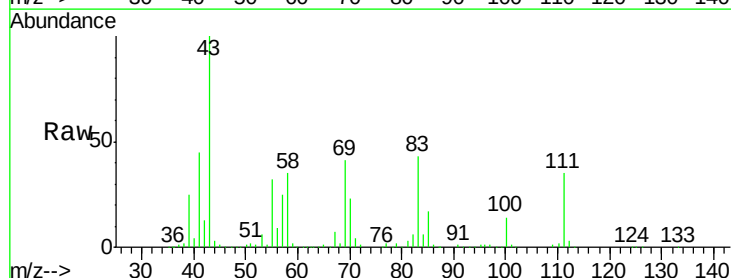
Instrument :
MSVOA_W
ClientSampleId :
CPSB-18(15-20)

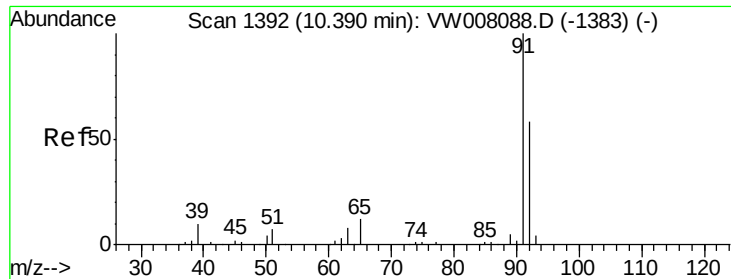
Tot Ion: 98 Resp: 495914
Ion Ratio Lower Upper
98 100
100 24.6 51.7 77.5#



#51
4-Methyl-2-Pentanone
Concen: 172.639 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

Tgt Ion: 43 Resp: 101100
Ion Ratio Lower Upper
43 100
58 33.2 30.6 46.0





#52

Toluene

Concen: 863.934 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

Instrument :

MSVOA_W

ClientSampleId :

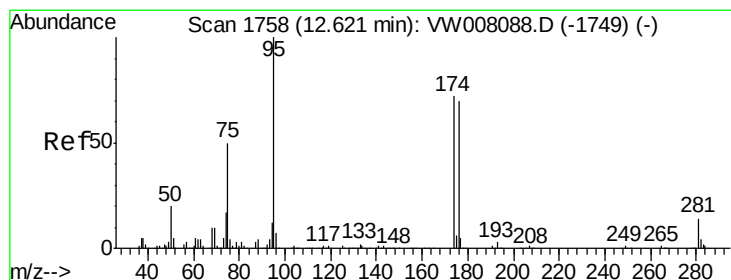
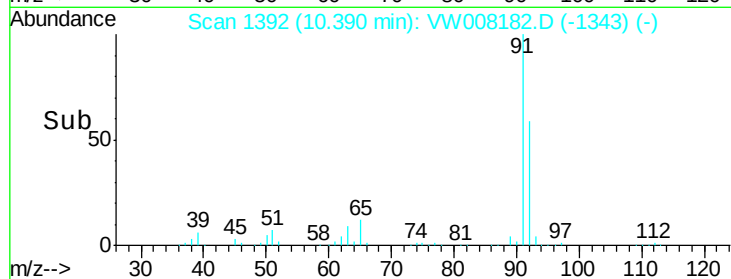
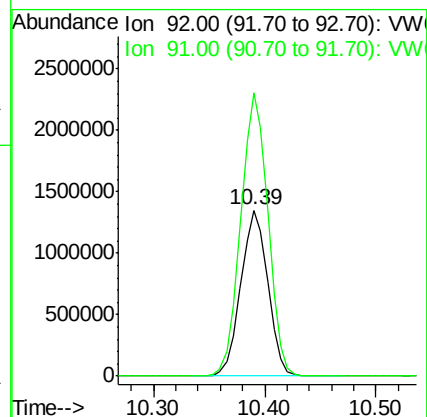
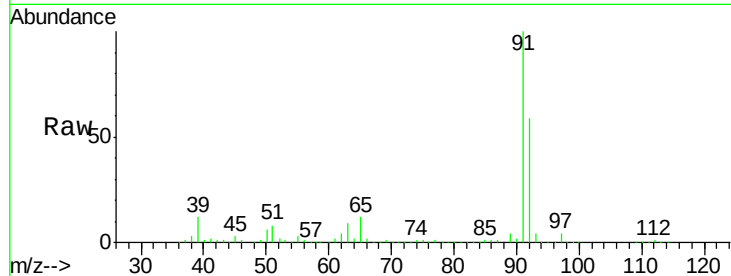
CPSB-18(15-20)

Tot Ion: 92 Resp: 2260200

Ion Ratio Lower Upper

92 100

91 171.8 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 62.076 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

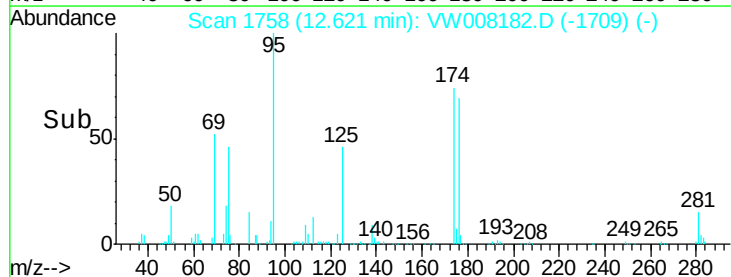
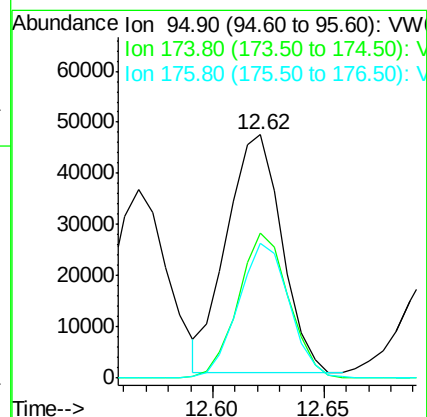
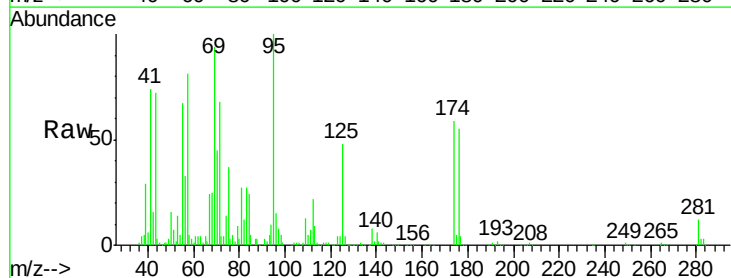
Tgt Ion: 95 Resp: 79860

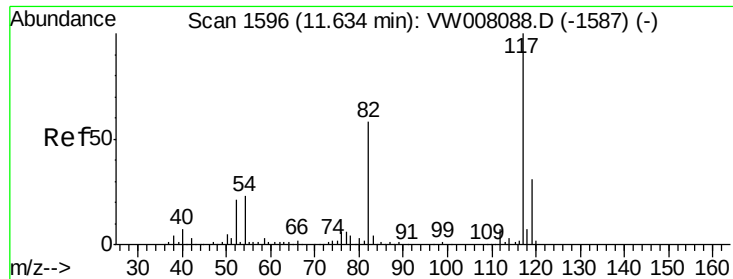
Ion Ratio Lower Upper

95 100

174 56.2 0.0 143.0

176 52.9 0.0 140.2

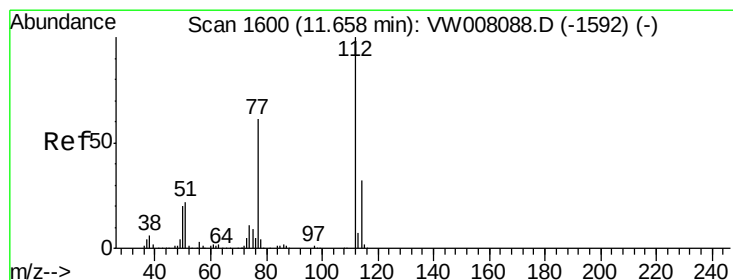
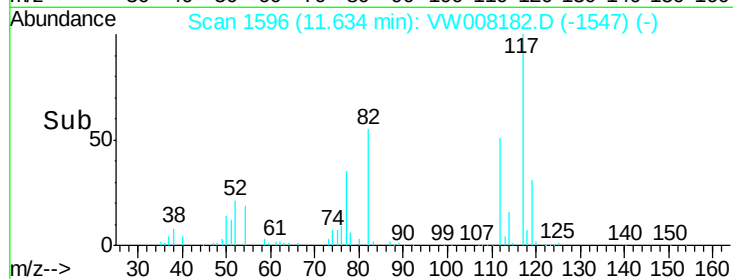
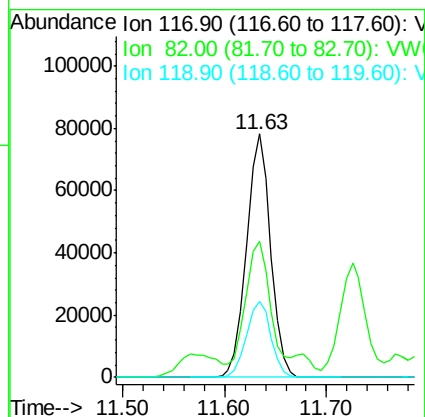
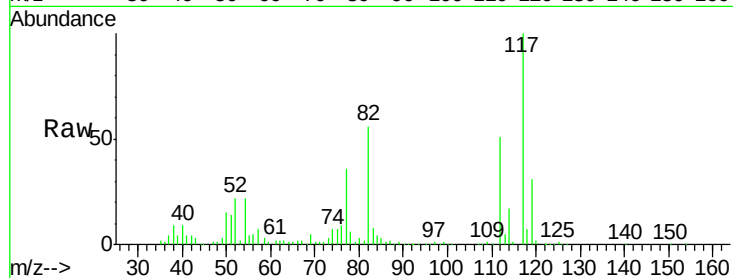




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

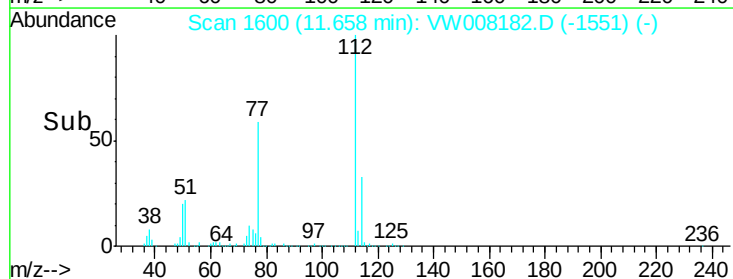
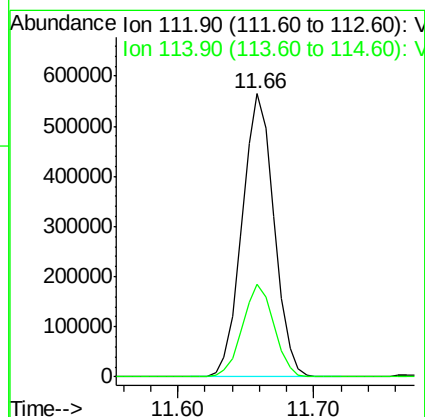
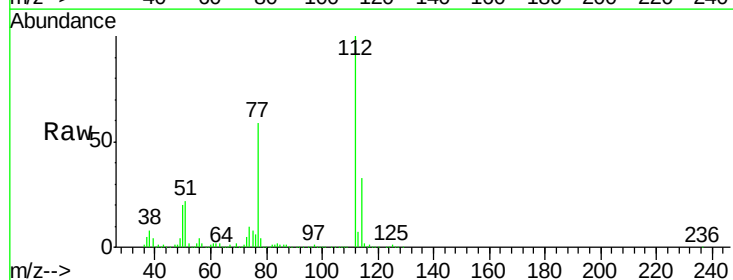
Instrument :
MSVOA_W
ClientSampleId :
CPSB-18(15-20)

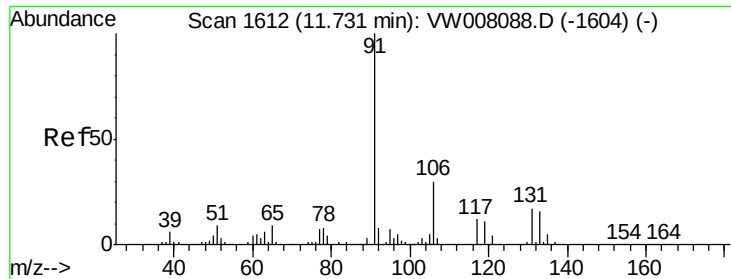
Tot Ion:117 Resp: 127674
Ion Ratio Lower Upper
117 100
82 46.3 46.4 69.6#
119 31.1 24.7 37.1



#65
Chlorobenzene
Concen: 342.353 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

Tgt Ion:112 Resp: 926020
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4

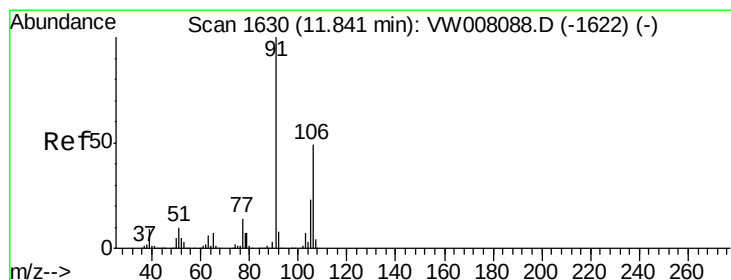
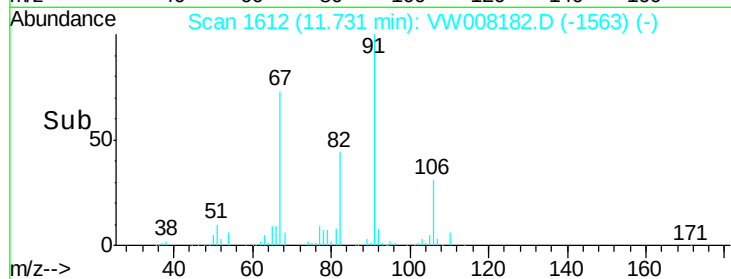
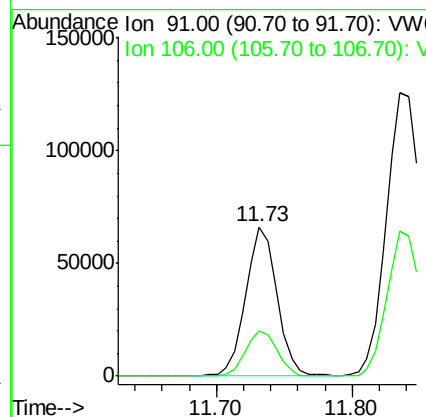
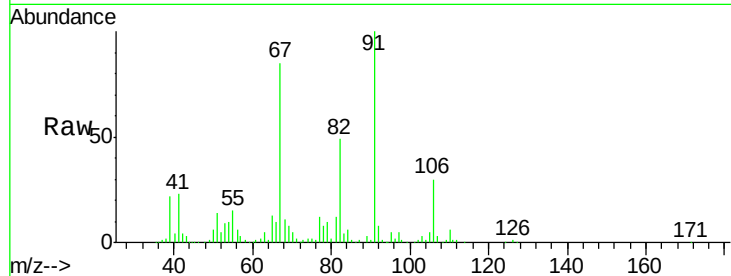




#67
Ethyl Benzene
Concen: 21.381 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

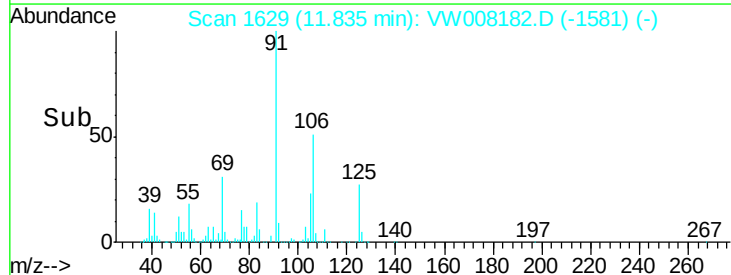
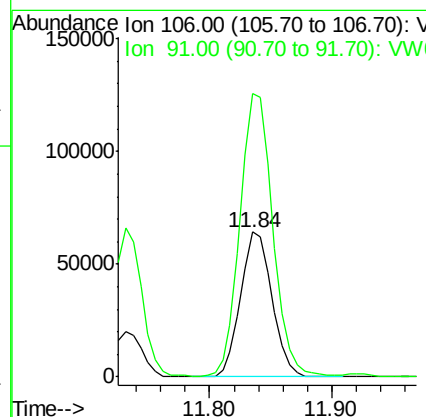
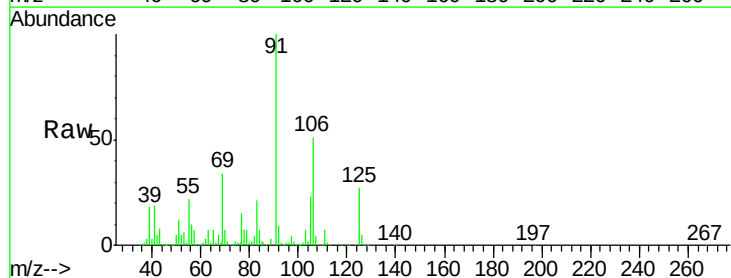
Instrument :
MSVOA_W
ClientSampleId :
CPSB-18(15-20)

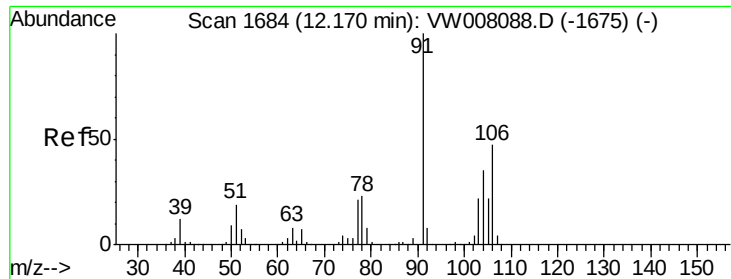
Tot Ion: 91 Resp: 105820
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.4



#68
m/p-Xylenes
Concen: 60.583 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

Tgt Ion: 106 Resp: 114443
Ion Ratio Lower Upper
106 100
91 202.7 162.4 243.6

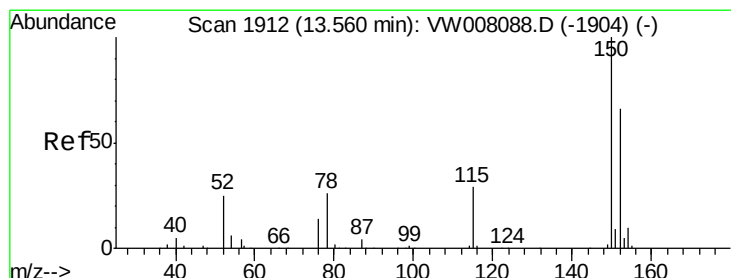
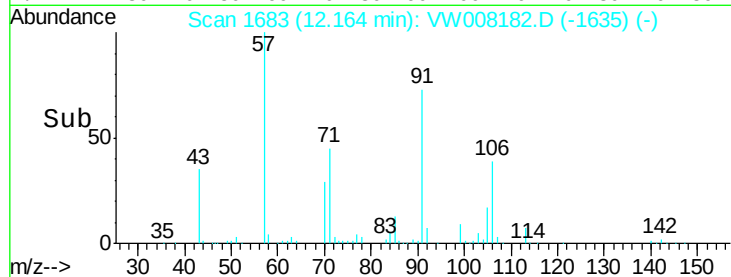
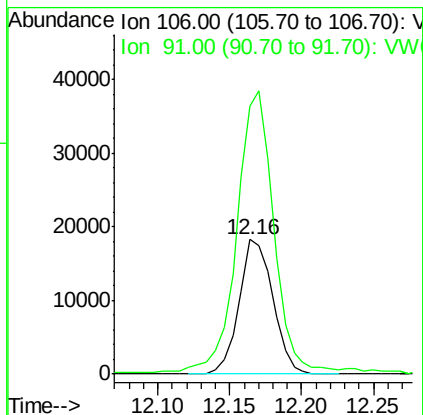
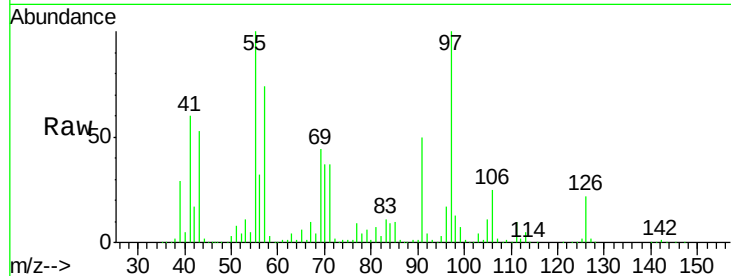




#69
o-Xylene
Concen: 16.971 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

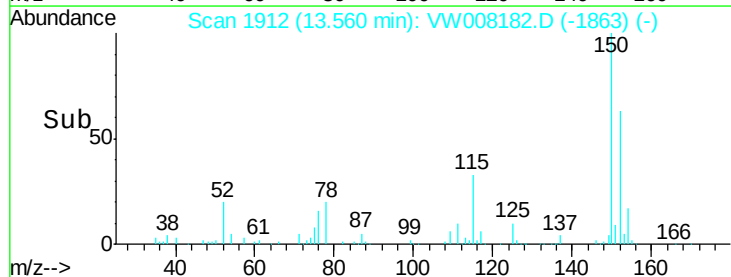
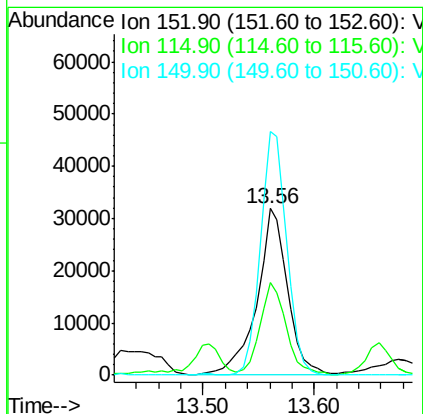
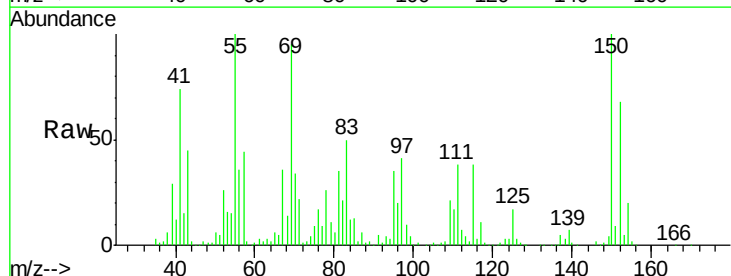
Instrument :
MSVOA_W
ClientSampleId :
CPSB-18(15-20)

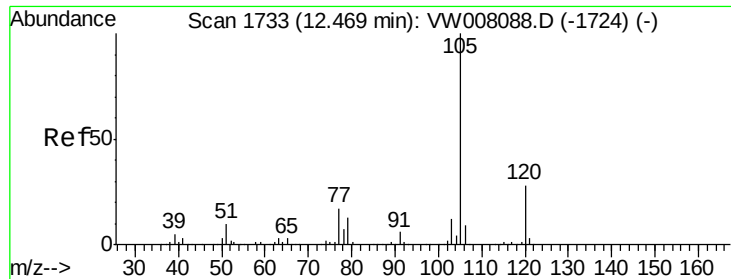
Tot Ion:106 Resp: 29688
Ion Ratio Lower Upper
106 100
91 228.4 107.8 323.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008182.D
Acq: 11 Jan 2019 07:46

Tgt Ion:152 Resp: 60385
Ion Ratio Lower Upper
152 100
115 47.0 30.8 92.4
150 127.5 0.0 350.2





#73

Isopropylbenzene

Concen: 79.228 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

Instrument :

MSVOA_W

ClientSampleId :

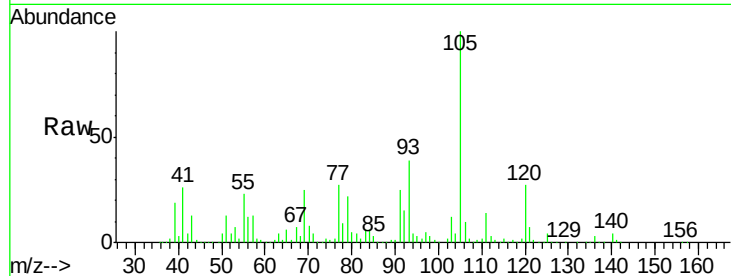
CPSB-18(15-20)

Tot Ion:105 Resp: 375604

Ion Ratio Lower Upper

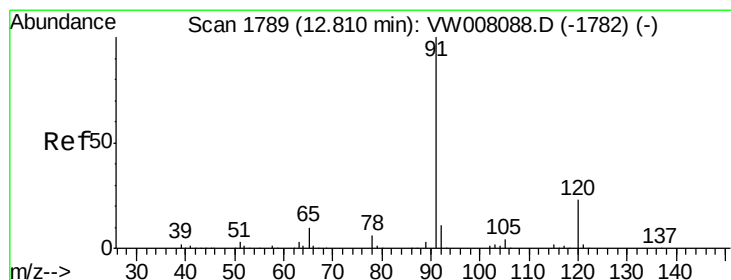
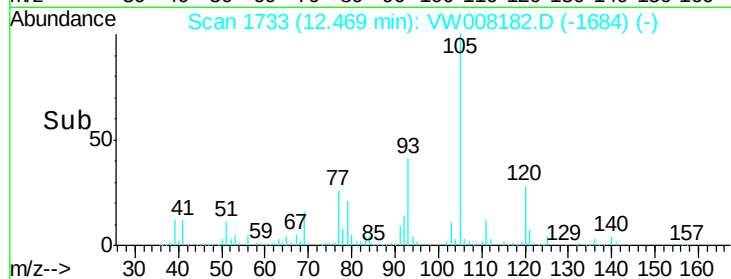
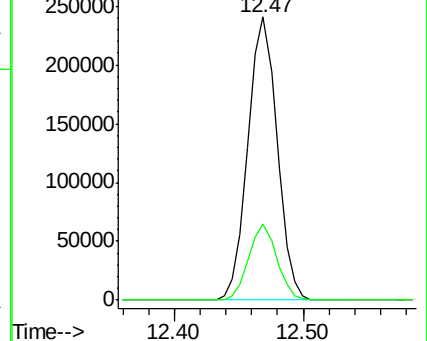
105 100

120 26.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 127.126 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008182.D

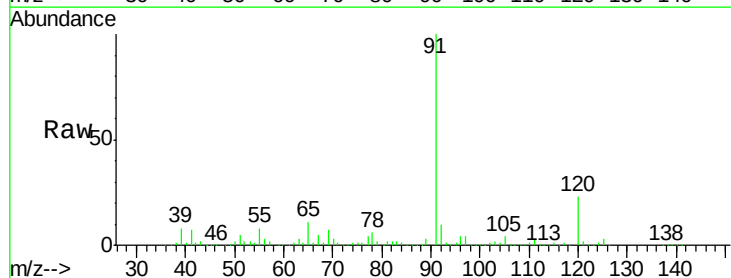
Acq: 11 Jan 2019 07:46

Tgt Ion: 91 Resp: 738446

Ion Ratio Lower Upper

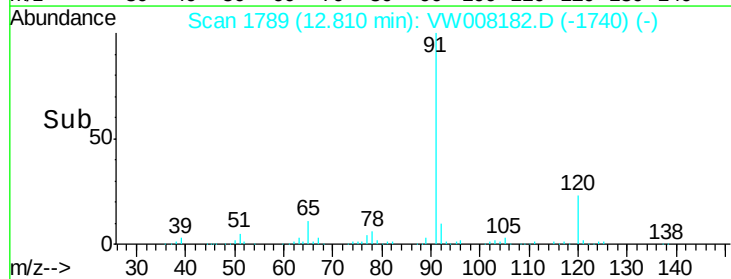
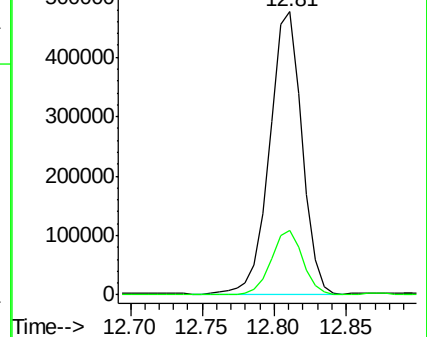
91 100

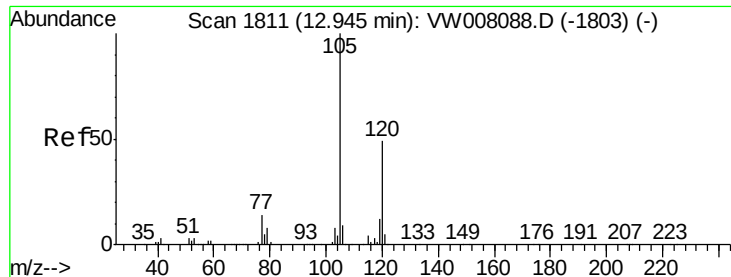
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

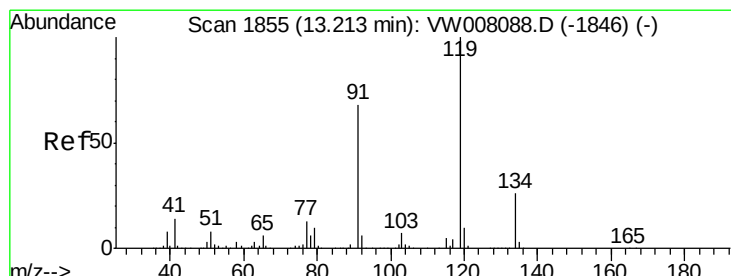
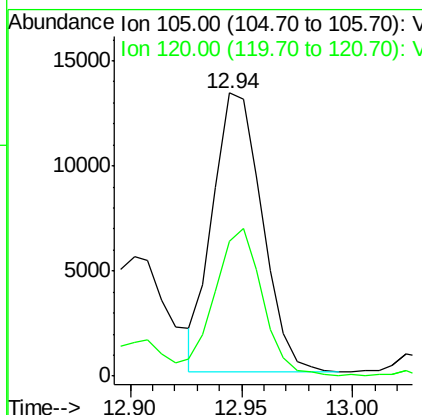
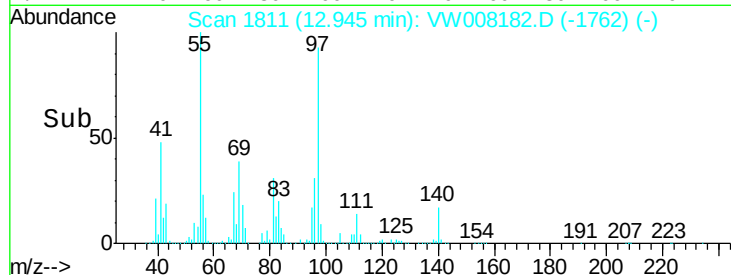
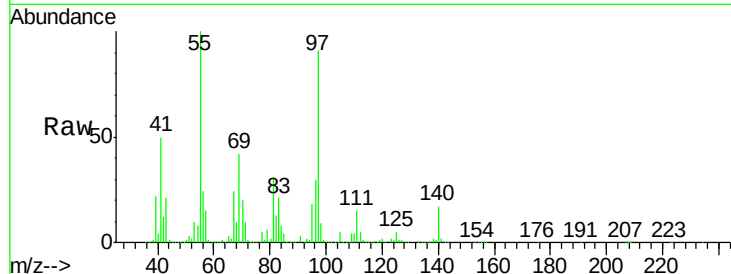




#80
 1,3,5-Trimethylbenzene
 Concen: 5.222 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008182.D
 Acq: 11 Jan 2019 07:46

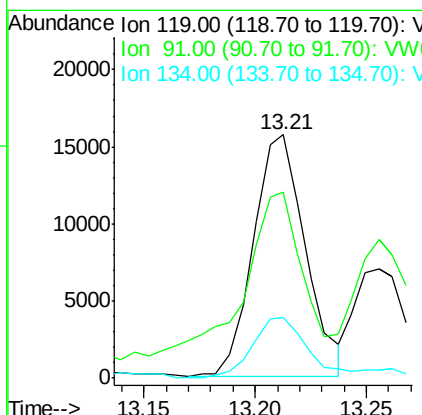
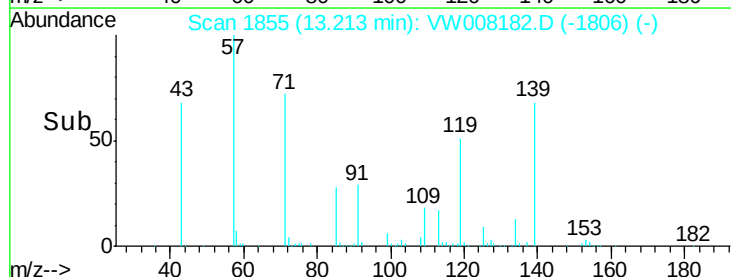
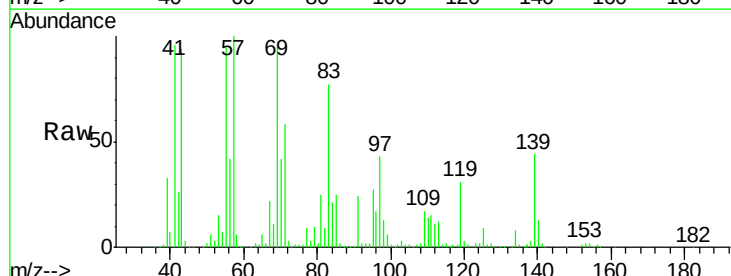
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-18(15-20)

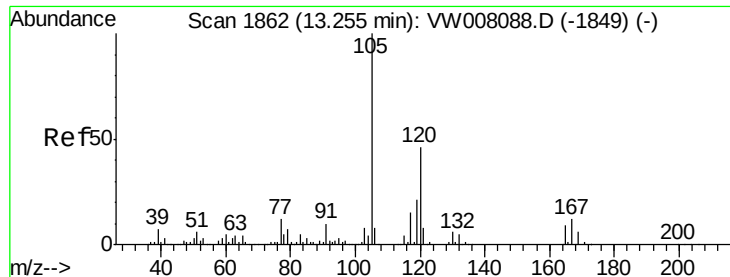
Tot Ion:105 Resp: 20343
 Ion Ratio Lower Upper
 105 100
 120 52.3 24.7 74.1



#83
 tert-Butylbenzene
 Concen: 7.400 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008182.D
 Acq: 11 Jan 2019 07:46

Tgt Ion:119 Resp: 25503
 Ion Ratio Lower Upper
 119 100
 91 77.5 33.9 101.6
 134 26.3 13.6 40.8

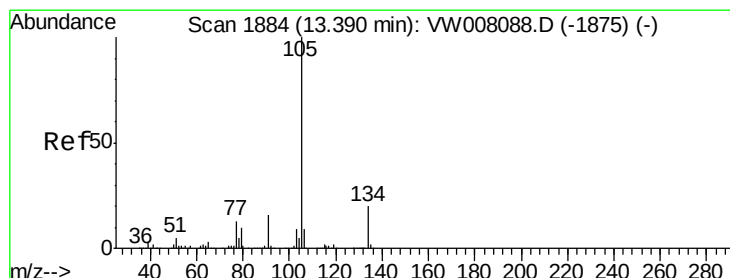
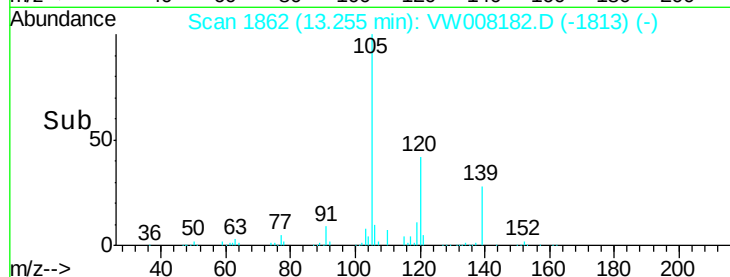
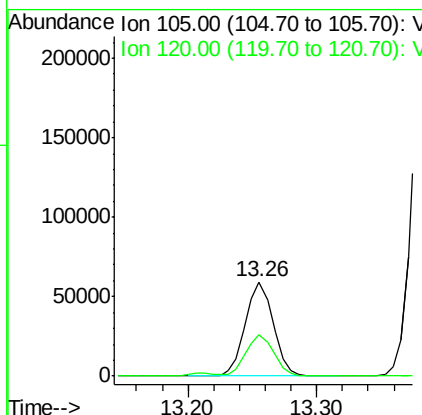
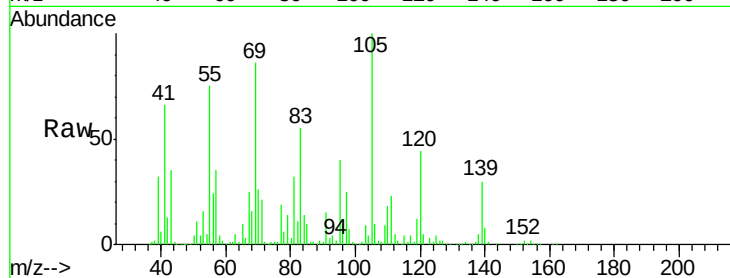




#84
 1,2,4-Trimethylbenzene
 Concen: 22.076 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008182.D
 Acq: 11 Jan 2019 07:46

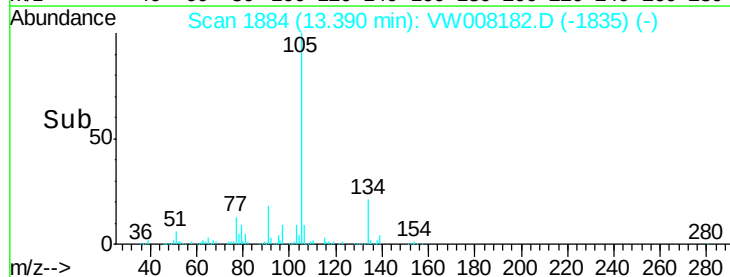
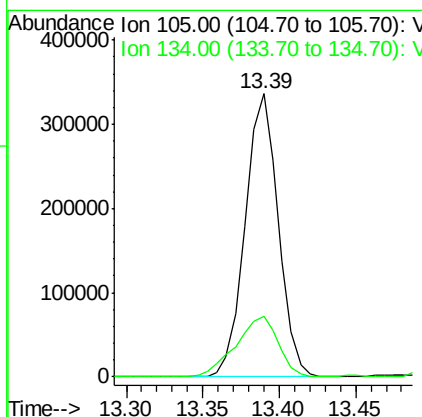
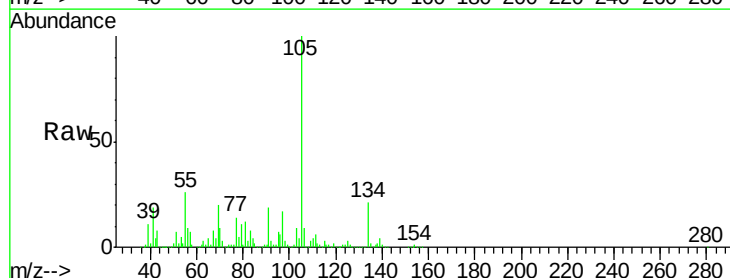
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-18(15-20)

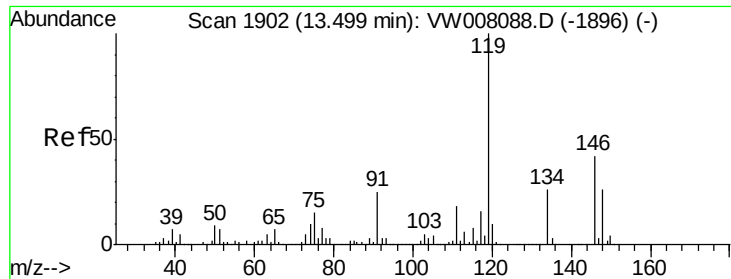
Tot Ion:105 Resp: 88701
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 99.724 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008182.D
 Acq: 11 Jan 2019 07:46

Tgt Ion:105 Resp: 503475
 Ion Ratio Lower Upper
 105 100
 134 27.8 10.1 30.1





#86

p-Isopropyltoluene

Concen: 25.950 ug/l m

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

Instrument :

MSVOA_W

ClientSampleId :

CPSB-18(15-20)

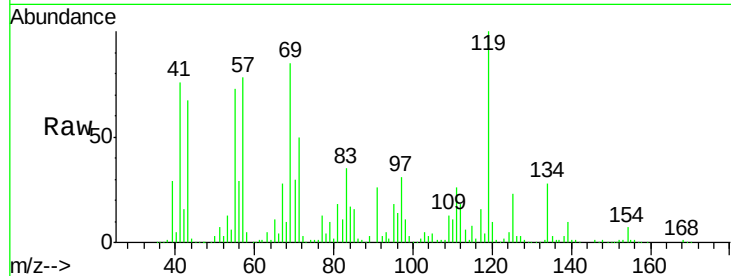
Tot Ion:119 Resp: 113137

Ion Ratio Lower Upper

119 100

134 25.5 13.3 39.8

91 26.0 12.3 36.9

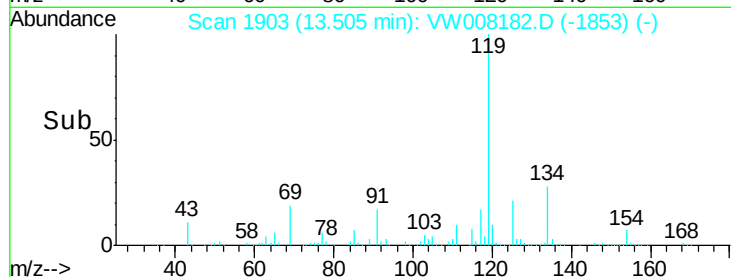


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



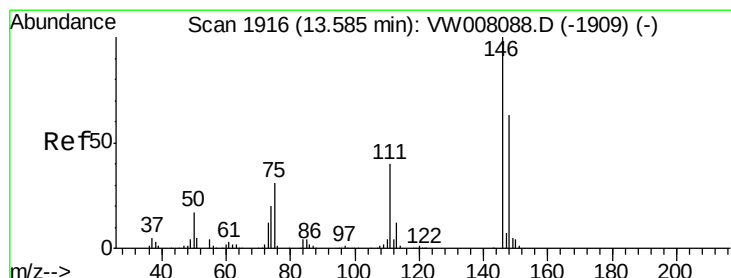
Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



#88

1,4-Dichlorobenzene

Concen: 8.493 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

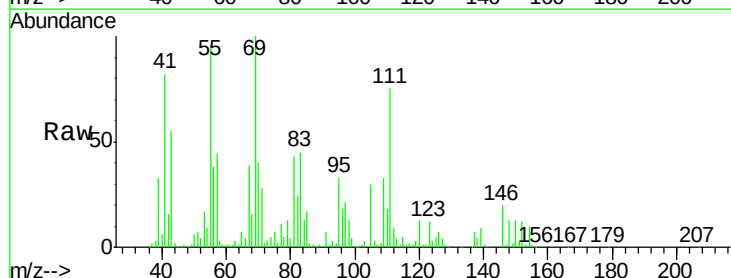
Tgt Ion:146 Resp: 17314

Ion Ratio Lower Upper

146 100

111 347.3 20.5 61.5#

148 66.6 31.6 94.8

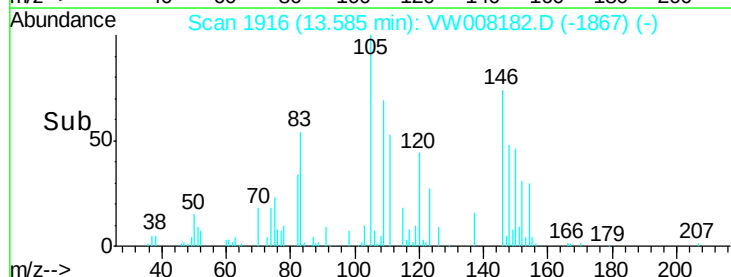


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time-->



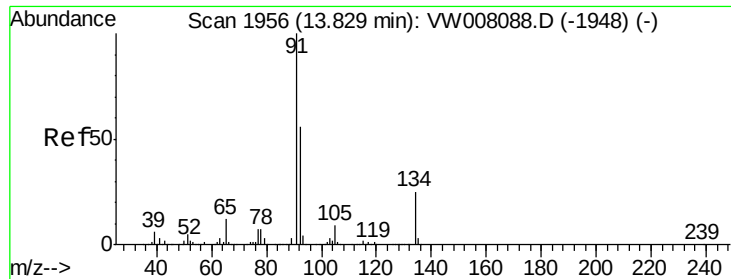
Abundance

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-->



#89

n-Butylbenzene

Concen: 58.209 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008182.D

Acq: 11 Jan 2019 07:46

Instrument :

MSVOA_W

ClientSampleId :

CPSB-18(15-20)

Tot Ion: 91 Resp: 248551

Ion Ratio Lower Upper

91 100

92 48.8 27.4 82.2

134 23.6 12.6 37.8

