

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008051.D
 Acq On : 04 Jan 2019 16:49
 Operator : SY/AP
 Sample : K1044-08
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-09(20-25)

Quant Time: Jan 05 02:29:27 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

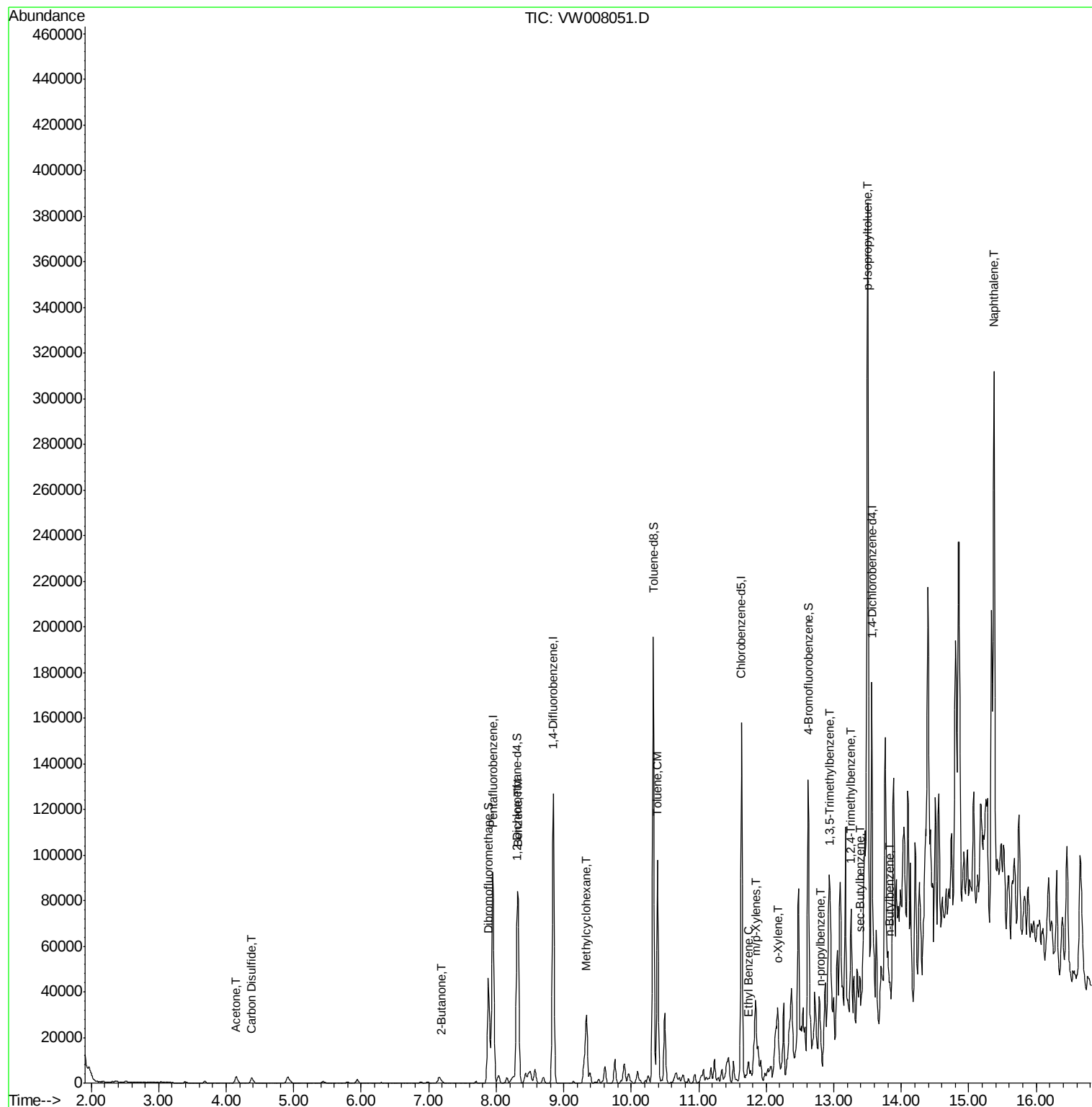
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	65897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	107872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	89323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	31921	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	40555	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
35) Dibromofluoromethane	7.88	113	34027	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.33	98	128455	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.62	95	39129	40.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.00%	
Target Compounds						
					Qvalue	
16) Acetone	4.15	43	5592	49.564	ug/l	96
17) Carbon Disulfide	4.38	76	4700	2.326	ug/l #	86
25) 2-Butanone	7.19	43	1548	11.645	ug/l	97
39) Methylcyclohexane	9.34	83	12783	9.637	ug/l	98
40) Benzene	8.32	78	53597	19.092	ug/l	97
52) Toluene	10.39	92	40175	21.678	ug/l	98
67) Ethyl Benzene	11.74	91	5302	1.565	ug/l	91
68) m/p-Xylenes	11.83	106	8088	6.174	ug/l	95
69) o-Xylene	12.17	106	6805	5.583	ug/l	97
78) n-propylbenzene	12.81	91	7354	2.499	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	9958	4.558	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	30323	13.702	ug/l	98
85) sec-Butylbenzene	13.39	105	6587	2.505	ug/l #	68
86) p-Isopropyltoluene	13.51	119	190402	80.274	ug/l	97
89) n-Butylbenzene	13.83	91	6346	2.925	ug/l #	80
95) Naphthalene	15.37	128	208855	180.498	ug/l	100

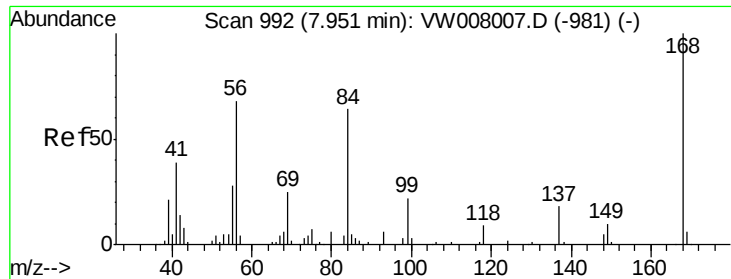
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

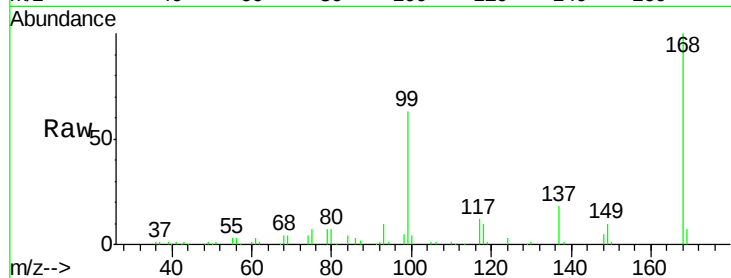
CPSB-09(20-25)

Tot Ion:168 Resp: 65897

Ion Ratio Lower Upper

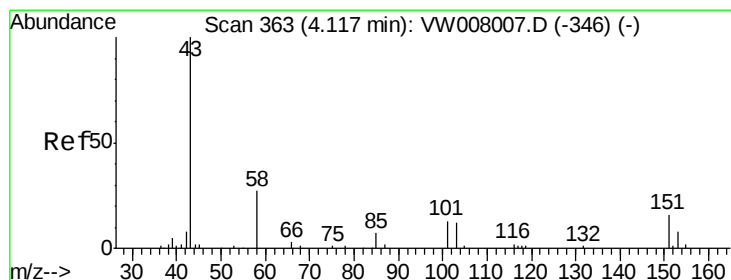
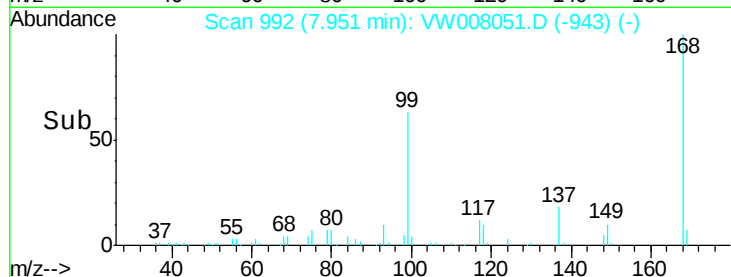
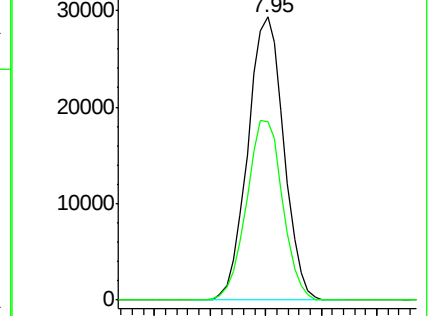
168 100

99 63.1 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: 49.564 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW008051.D

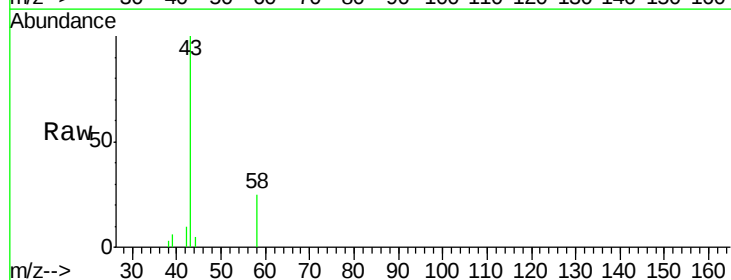
Acq: 04 Jan 2019 16:49

Tgt Ion: 43 Resp: 5592

Ion Ratio Lower Upper

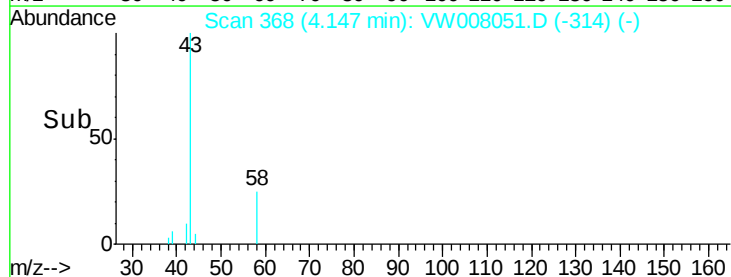
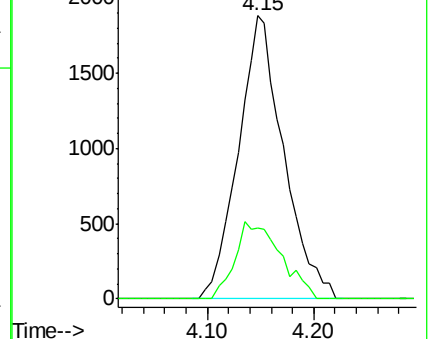
43 100

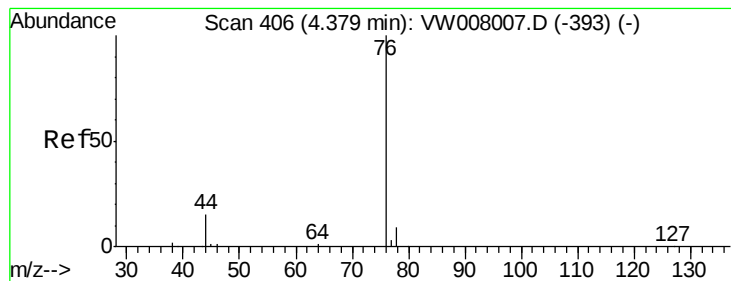
58 25.1 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 2.326 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

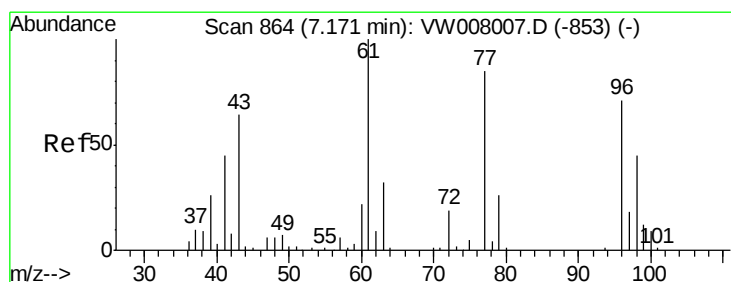
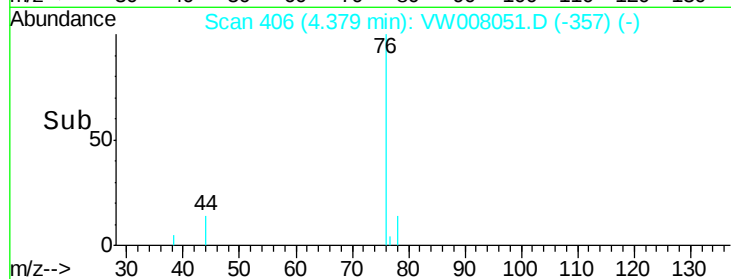
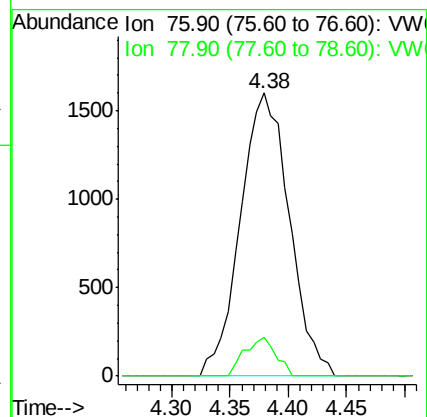
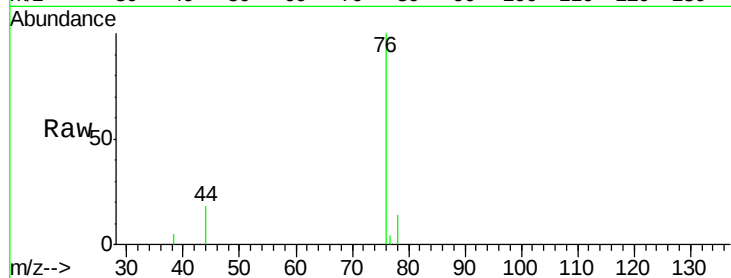
CPSB-09(20-25)

Tot Ion: 76 Resp: 4700

Ion Ratio Lower Upper

76 100

78 13.6 7.0 10.4#



#25

2-Butanone

Concen: 11.645 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW008051.D

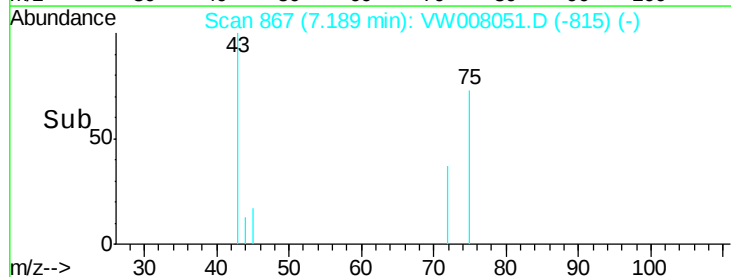
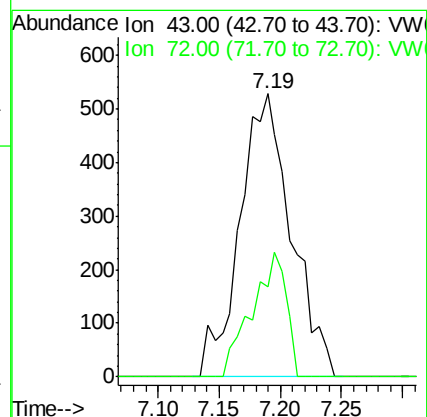
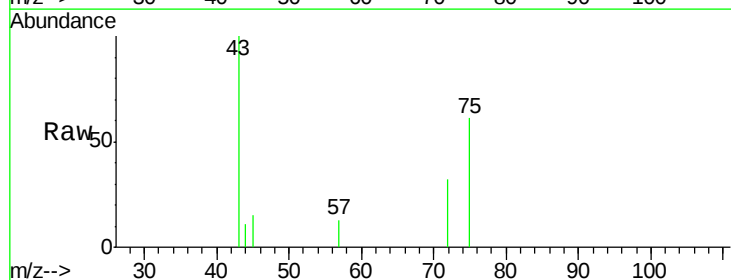
Acq: 04 Jan 2019 16:49

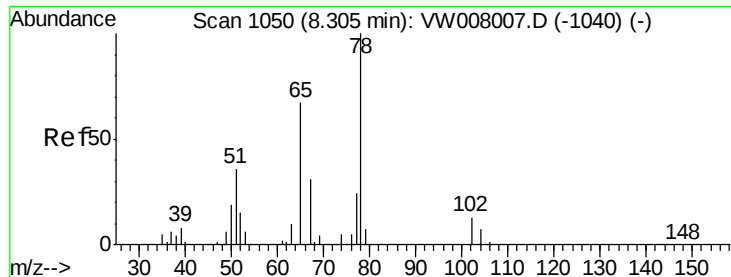
Tgt Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

72 31.6 23.8 35.8





#33

1,2-Dichloroethane-d4

Concen: 55.642 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

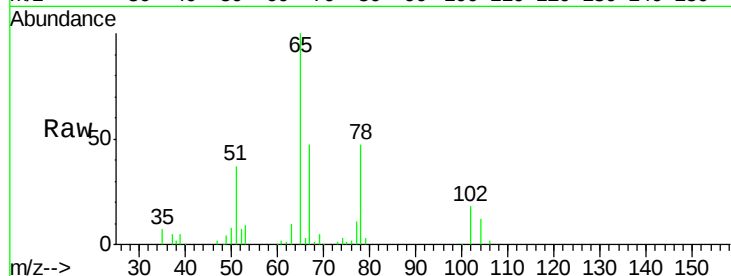
CPSB-09(20-25)

Tot Ion: 65 Resp: 40555

Ion Ratio Lower Upper

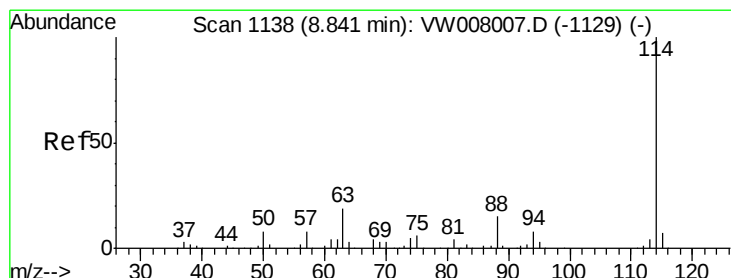
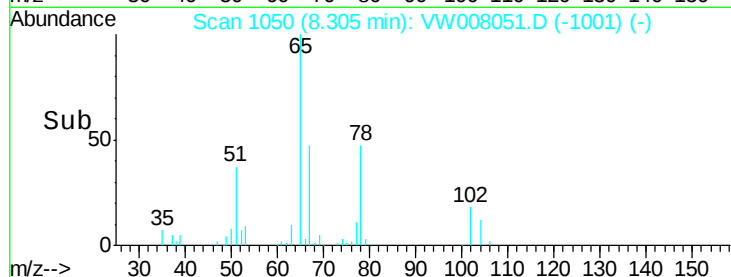
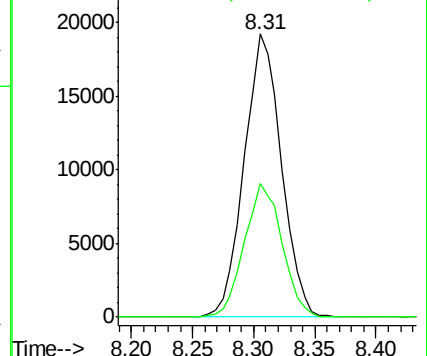
65 100

67 47.8 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: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

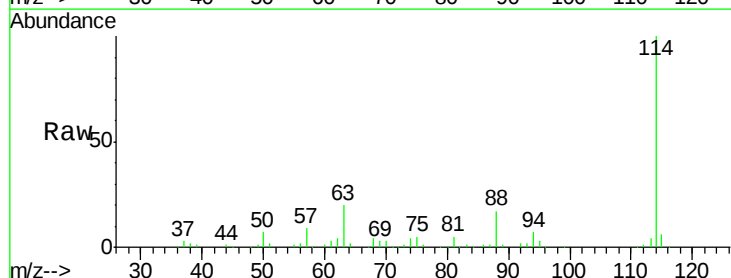
Tgt Ion: 114 Resp: 107872

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.8

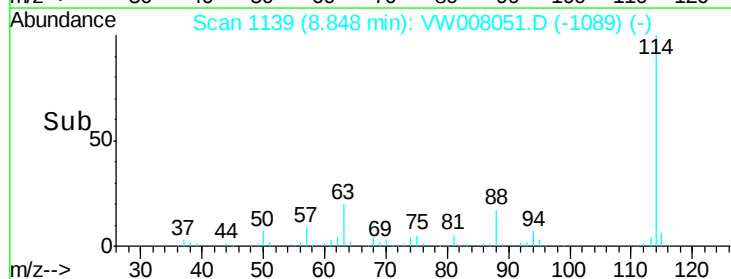
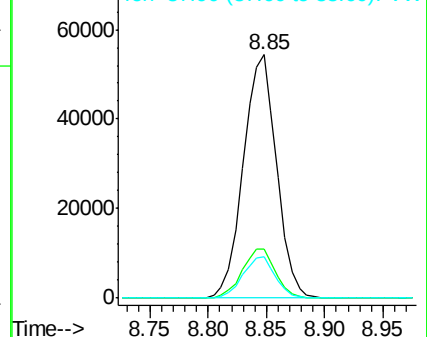
88 17.0 0.0 31.0

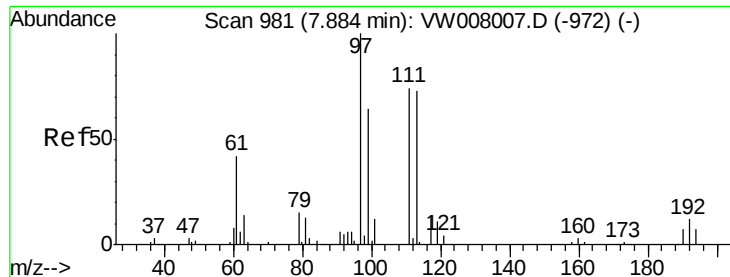


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

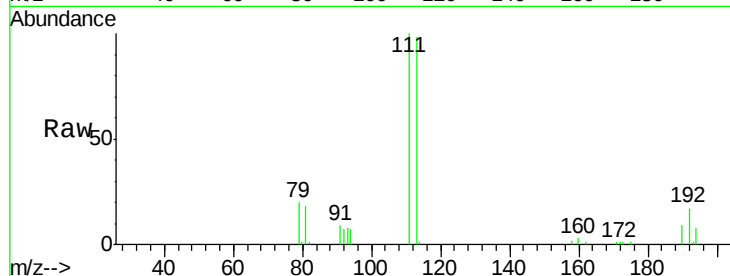




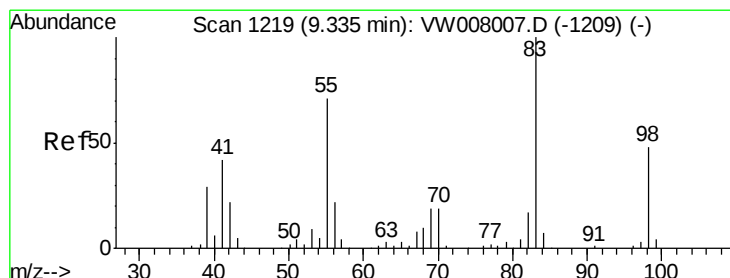
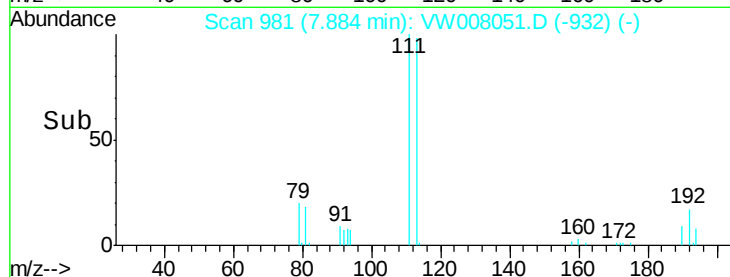
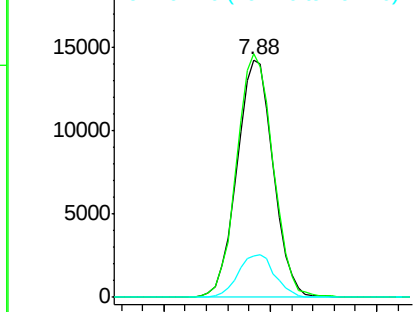
#35
 Dibromofluoromethane
 Concen: 50.037 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008051.D
 Acq: 04 Jan 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-09(20-25)

Tot Ion:113 Resp: 34027
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.0
 192 17.9 14.8 22.2

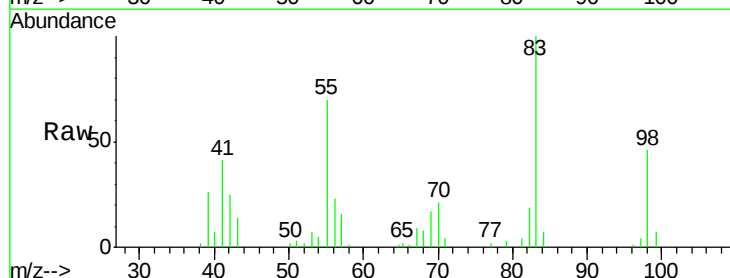


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

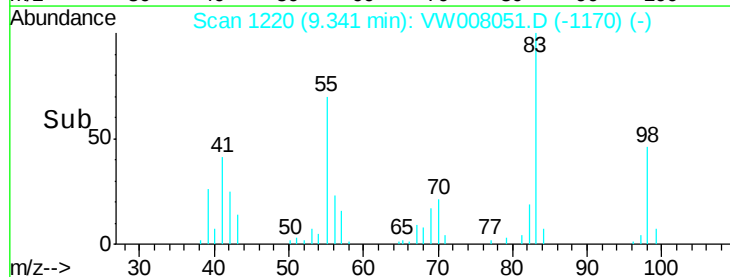
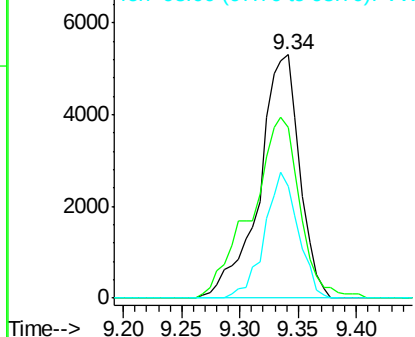


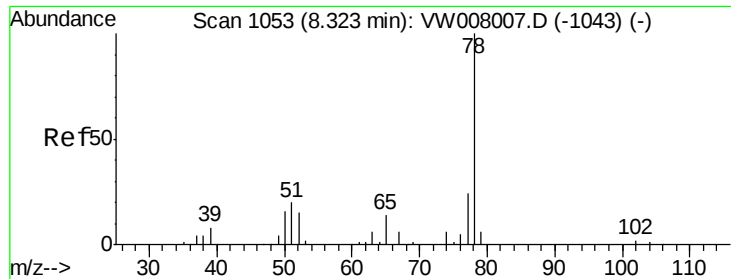
#39
 Methylcyclohexane
 Concen: 9.637 ug/l
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW008051.D
 Acq: 04 Jan 2019 16:49

Tgt Ion: 83 Resp: 12783
 Ion Ratio Lower Upper
 83 100
 55 69.9 56.8 85.2
 98 45.7 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: 19.092 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

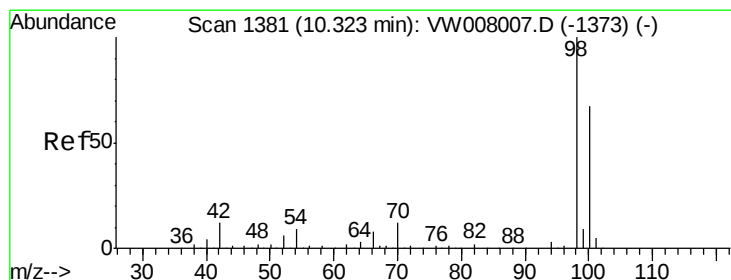
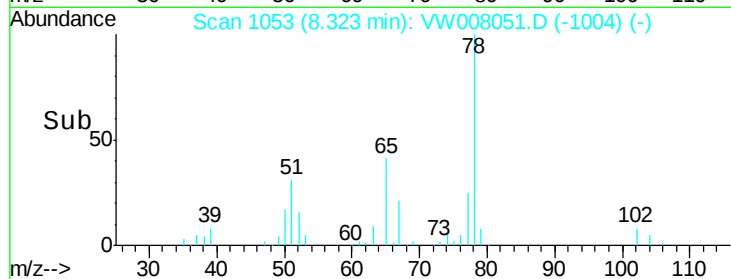
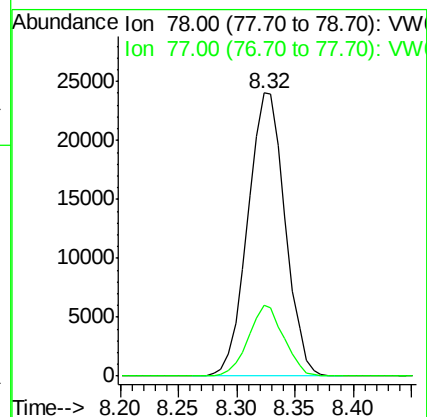
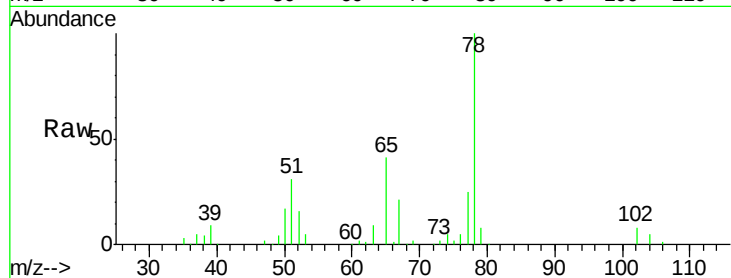
CPSB-09(20-25)

Tot Ion: 78 Resp: 53597

Ion Ratio Lower Upper

78 100

77 25.1 19.0 28.6



#50

Toluene-d8

Concen: 50.356 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008051.D

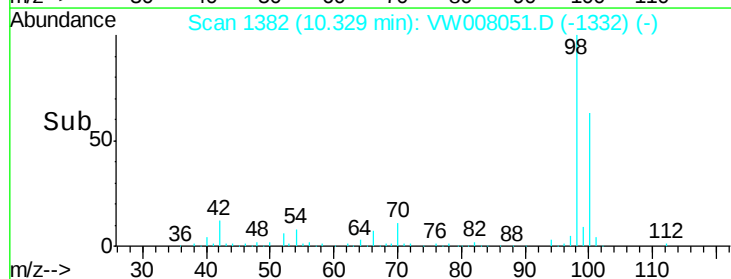
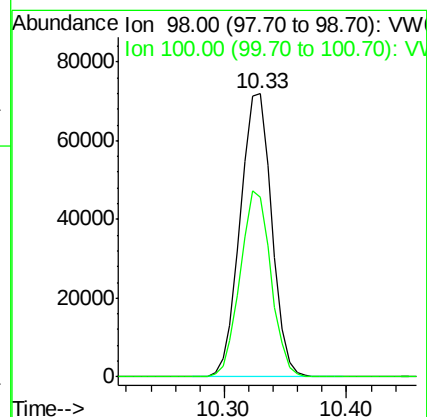
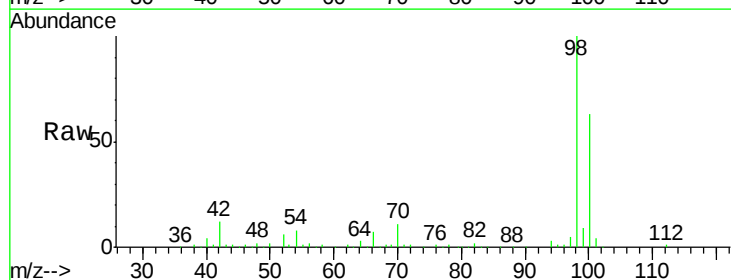
Acq: 04 Jan 2019 16:49

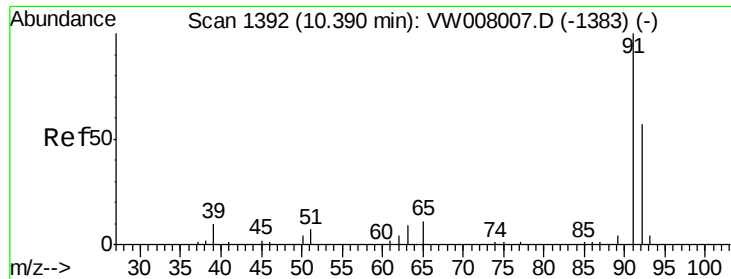
Tgt Ion: 98 Resp: 128455

Ion Ratio Lower Upper

98 100

100 64.1 52.9 79.3





#52

Toluene

Concen: 21.678 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

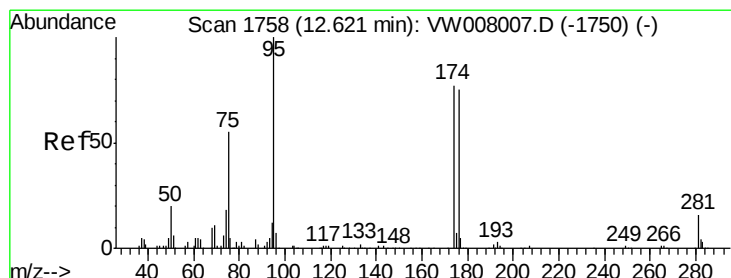
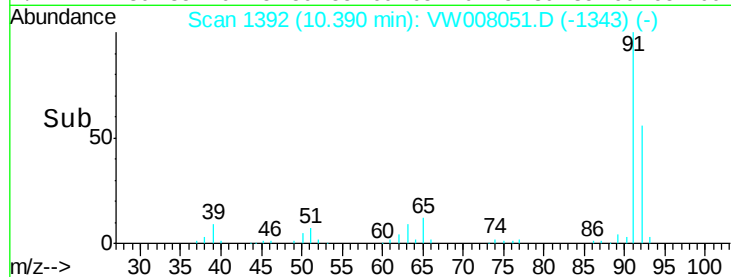
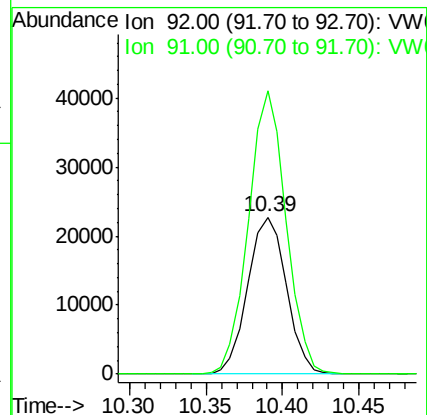
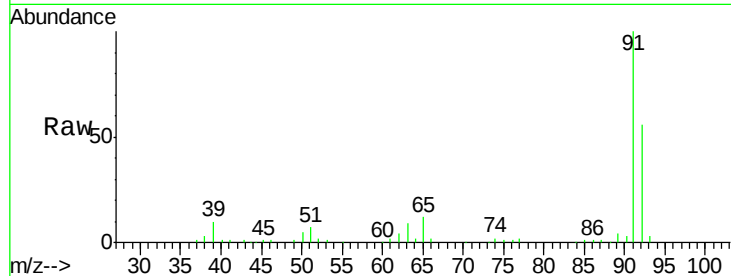
CPSB-09(20-25)

Tot Ion: 92 Resp: 40175

Ion Ratio Lower Upper

92 100

91 174.5 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 39.997 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

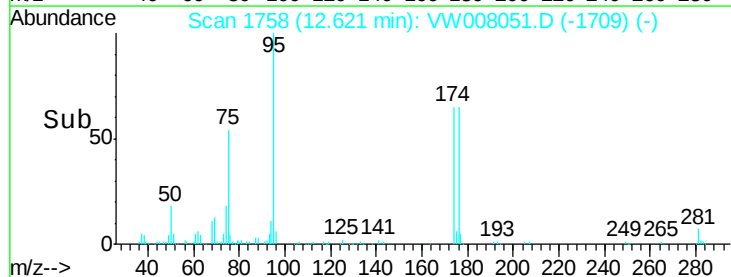
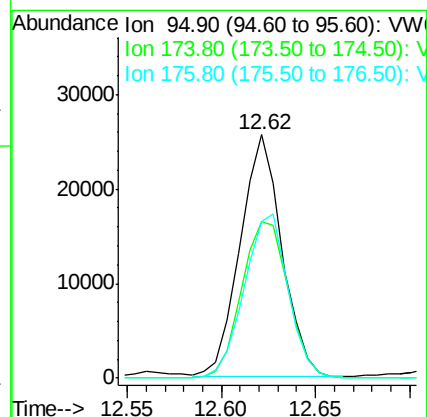
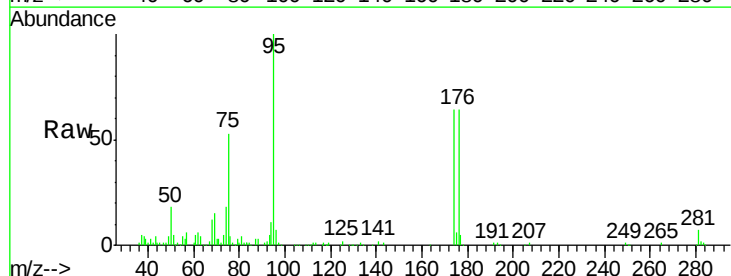
Tgt Ion: 95 Resp: 39129

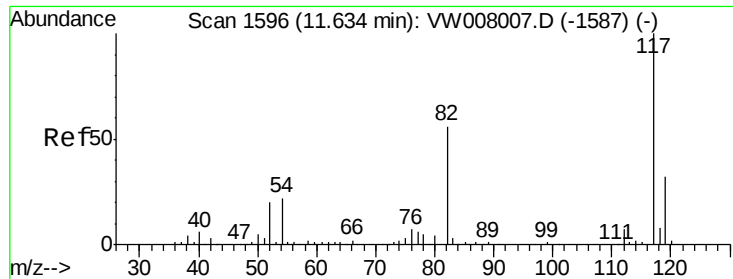
Ion Ratio Lower Upper

95 100

174 72.6 0.0 149.6

176 71.5 0.0 145.4

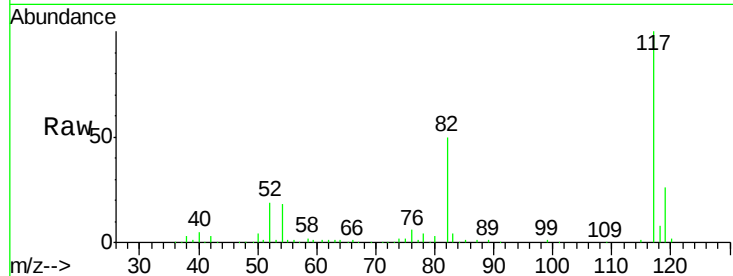




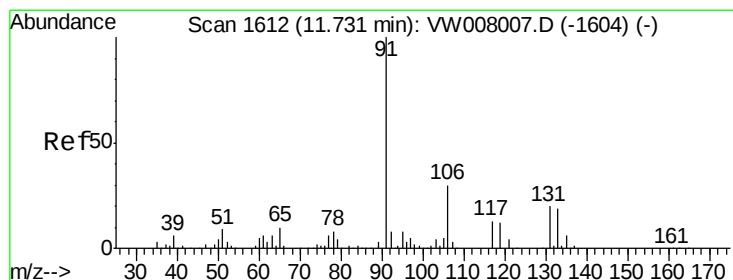
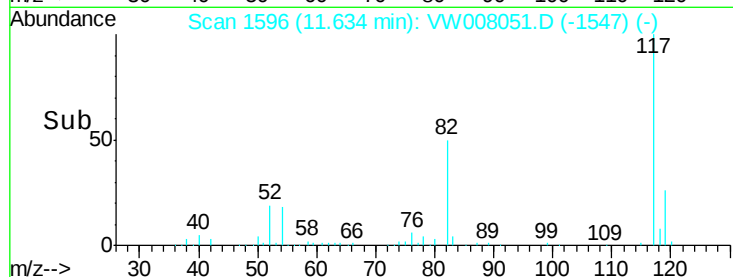
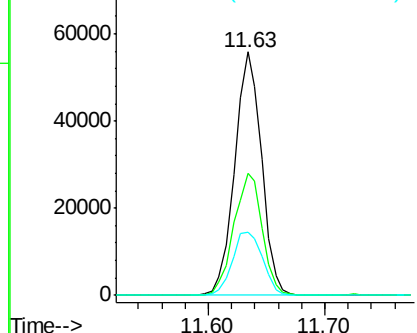
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008051.D
Acq: 04 Jan 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(20-25)

Tot Ion:117 Resp: 89323
Ion Ratio Lower Upper
117 100
82 50.1 44.8 67.2
119 25.9 25.6 38.4

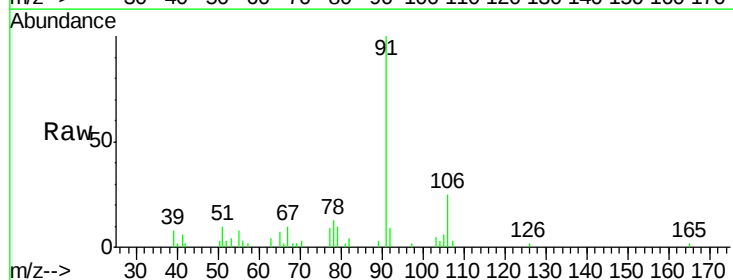


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

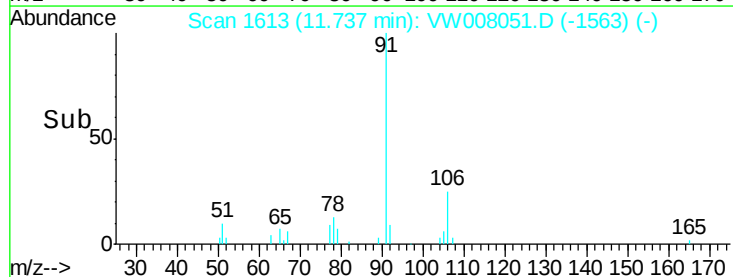
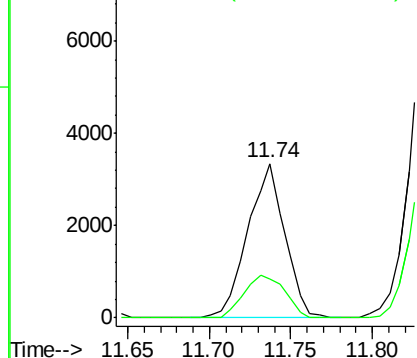


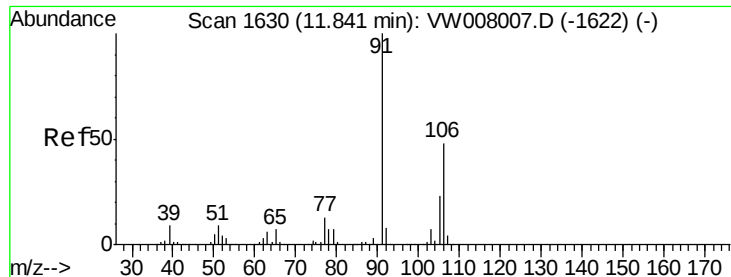
#67
Ethyl Benzene
Concen: 1.565 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW008051.D
Acq: 04 Jan 2019 16:49

Tgt Ion: 91 Resp: 5302
Ion Ratio Lower Upper
91 100
106 25.2 24.3 36.5



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

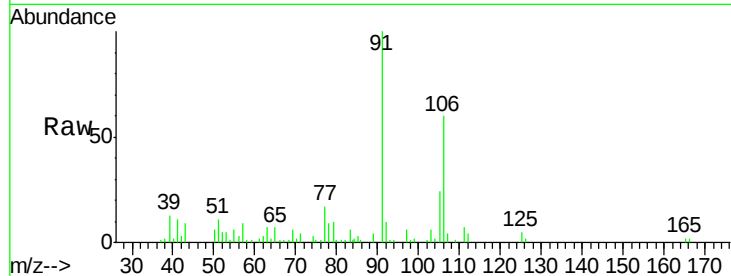




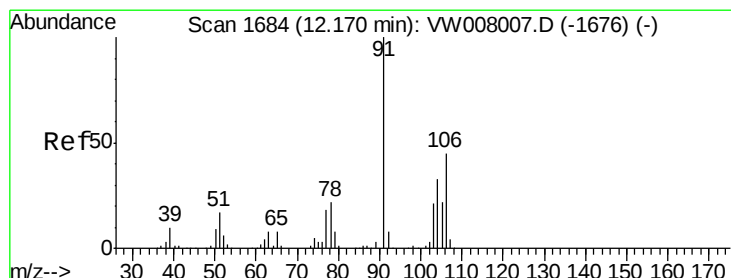
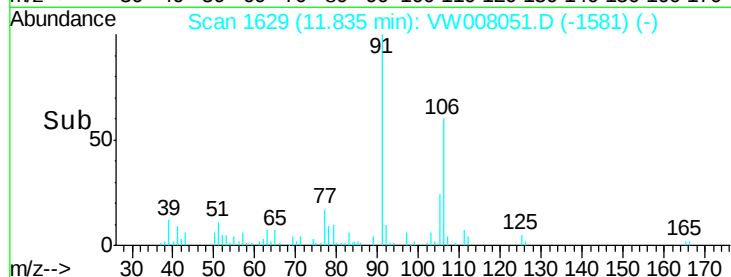
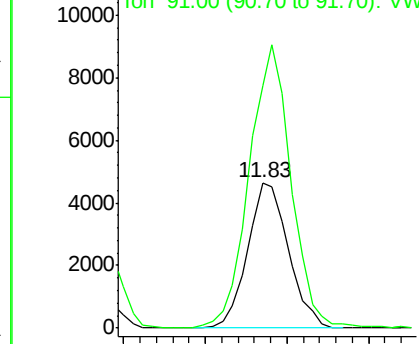
#68
m/p-Xylenes
Concen: 6.174 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008051.D
Acq: 04 Jan 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(20-25)

Tot Ion:106 Resp: 8088
Ion Ratio Lower Upper
106 100
91 199.3 165.8 248.8

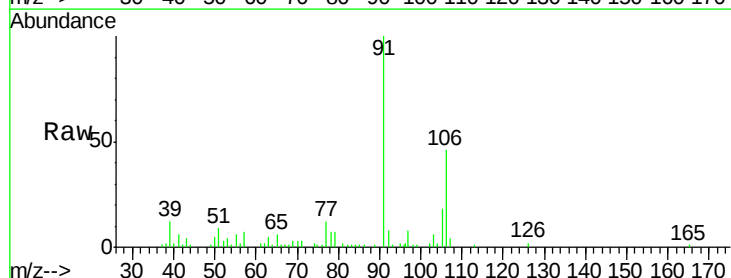


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

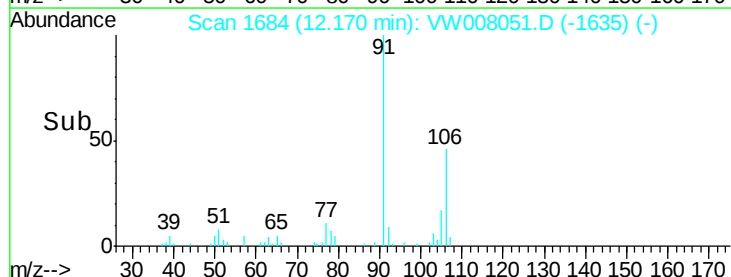
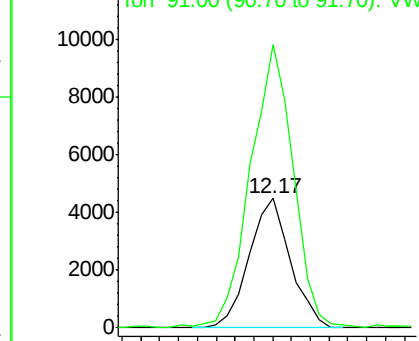


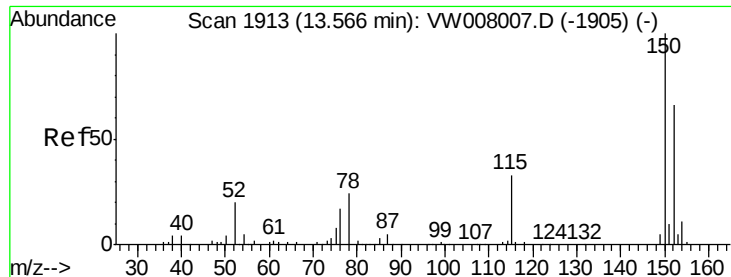
#69
o-Xylene
Concen: 5.583 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008051.D
Acq: 04 Jan 2019 16:49

Tgt Ion:106 Resp: 6805
Ion Ratio Lower Upper
106 100
91 226.4 110.6 331.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(20-25)

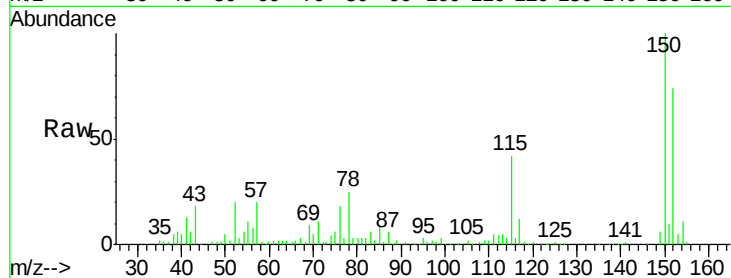
Tot Ion:152 Resp: 31921

Ion Ratio Lower Upper

152 100

115 66.0 32.1 96.5

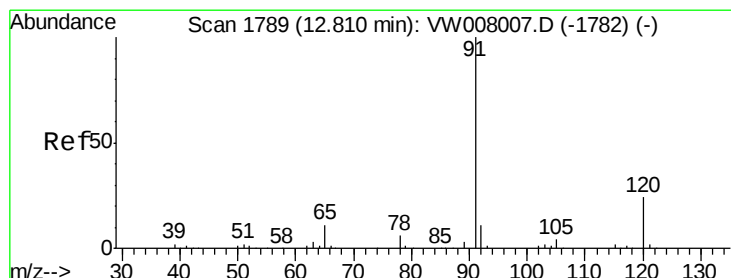
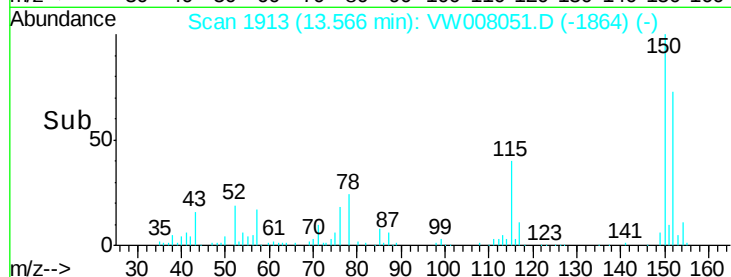
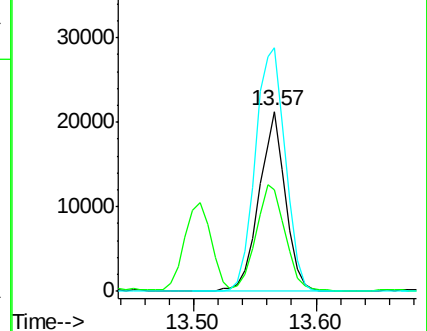
150 153.6 0.0 345.0



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



#78

n-propylbenzene

Concen: 2.499 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008051.D

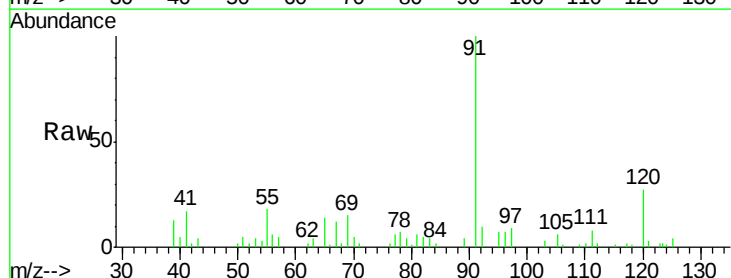
Acq: 04 Jan 2019 16:49

Tgt Ion: 91 Resp: 7354

Ion Ratio Lower Upper

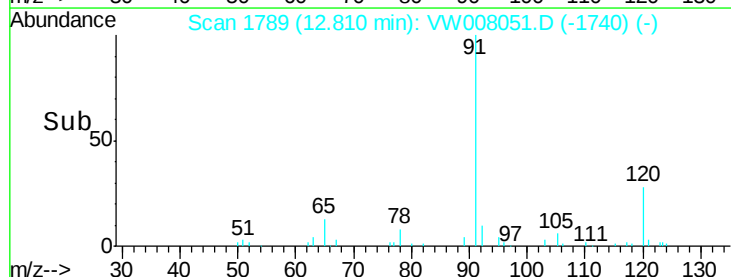
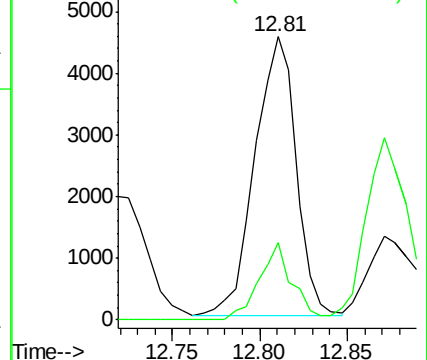
91 100

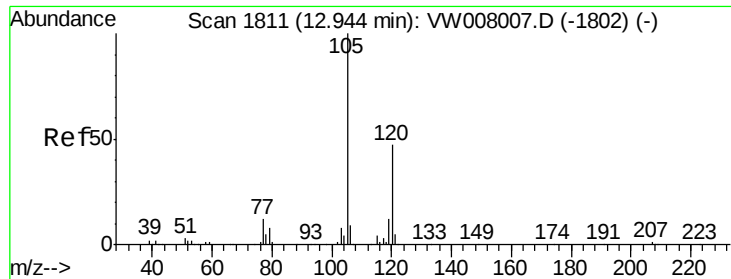
120 22.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

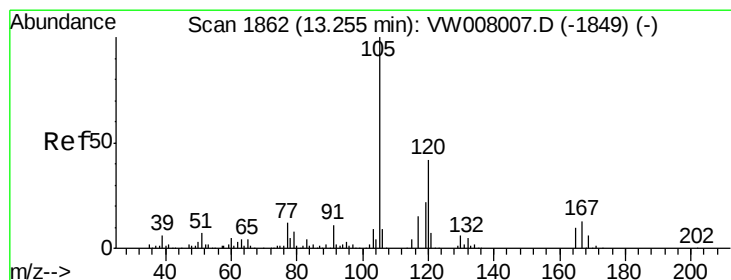
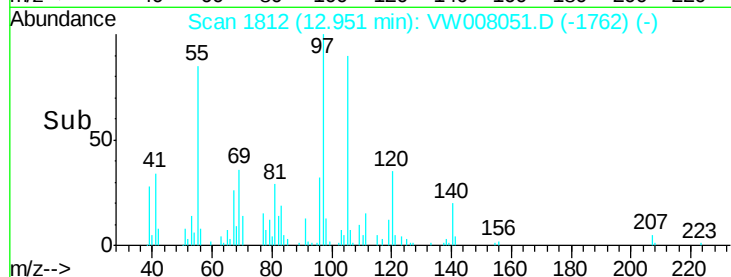
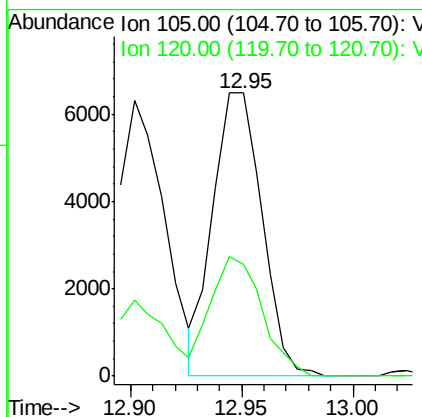
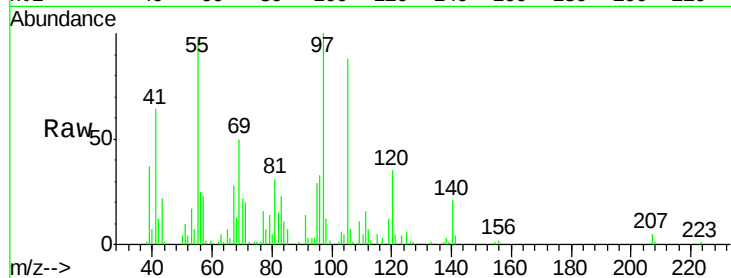




#80
 1,3,5-Trimethylbenzene
 Concen: 4.558 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008051.D
 Acq: 04 Jan 2019 16:49

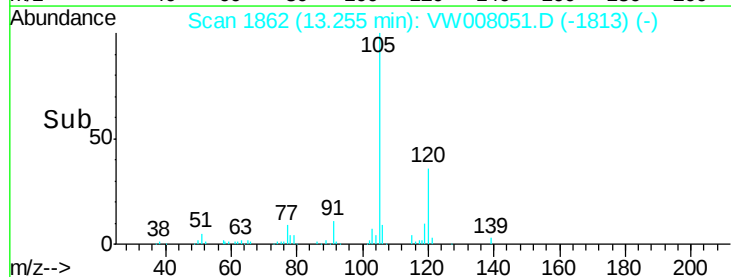
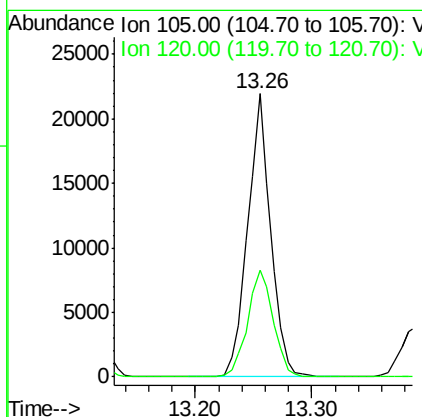
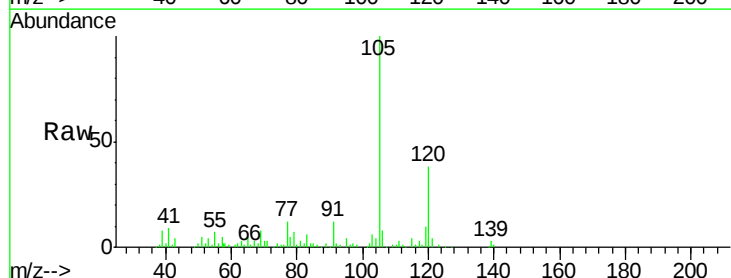
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-09(20-25)

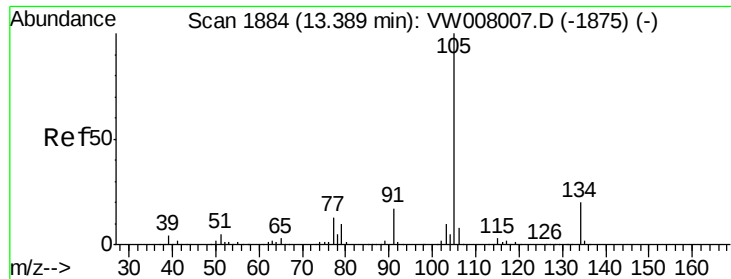
Tot Ion:105 Resp: 9958
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.3 69.9



#84
 1,2,4-Trimethylbenzene
 Concen: 13.702 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008051.D
 Acq: 04 Jan 2019 16:49

Tgt Ion:105 Resp: 30323
 Ion Ratio Lower Upper
 105 100
 120 41.9 21.5 64.5

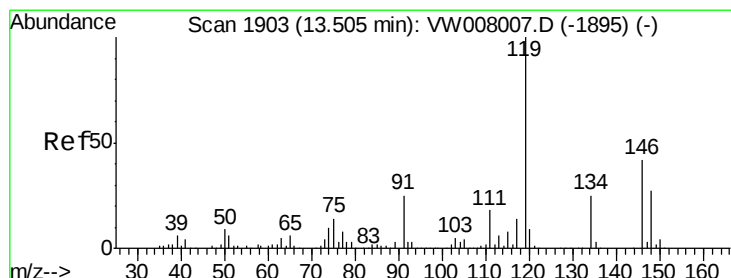
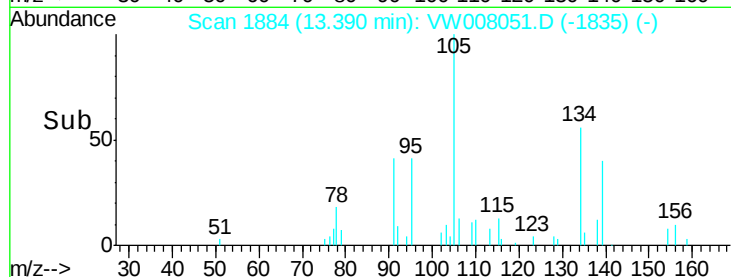
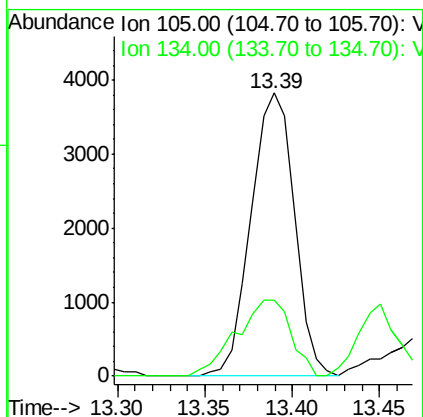
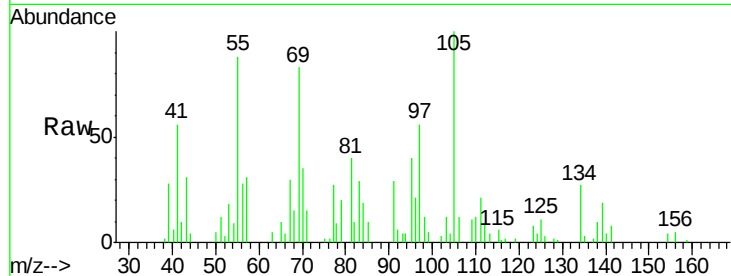




#85
 sec-Butylbenzene
 Concen: 2.505 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008051.D
 Acq: 04 Jan 2019 16:49

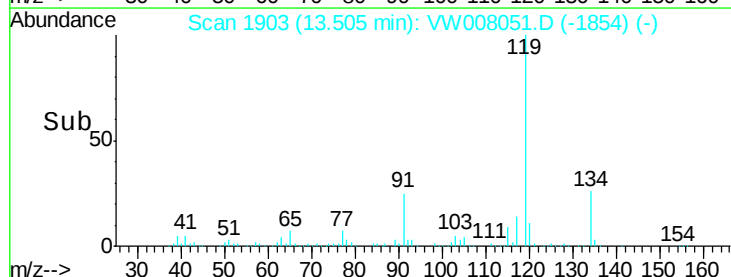
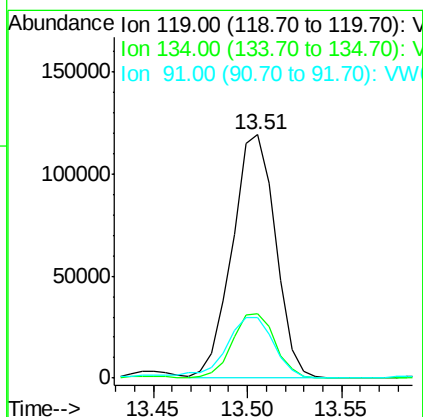
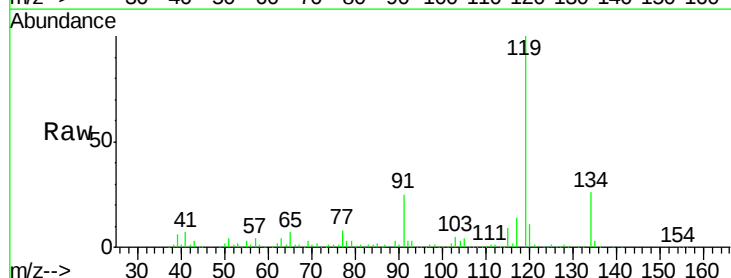
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-09(20-25)

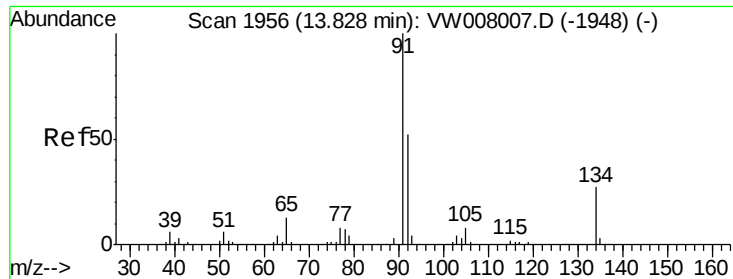
Tot Ion:105 Resp: 6587
 Ion Ratio Lower Upper
 105 100
 134 34.0 9.7 28.9#



#86
 p-Isopropyltoluene
 Concen: 80.274 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008051.D
 Acq: 04 Jan 2019 16:49

Tgt Ion:119 Resp: 190402
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.5 37.5
 91 28.3 13.1 39.3





#89

n-Butylbenzene

Concen: 2.925 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(20-25)

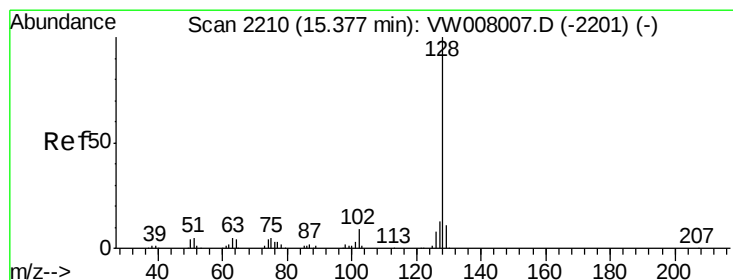
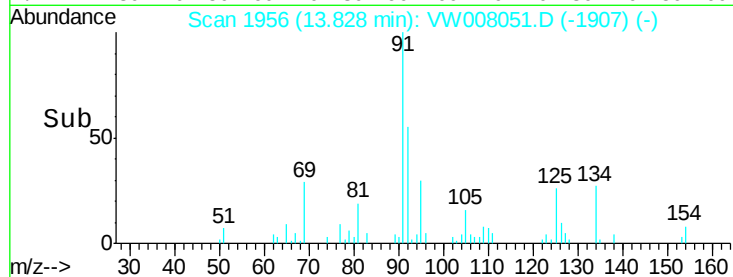
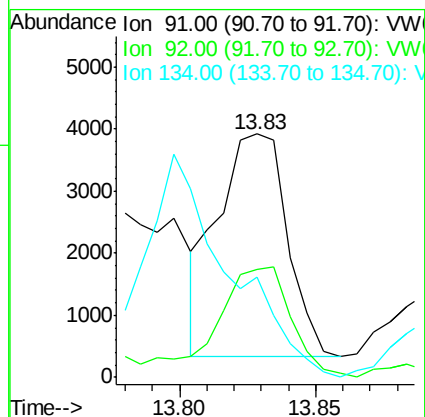
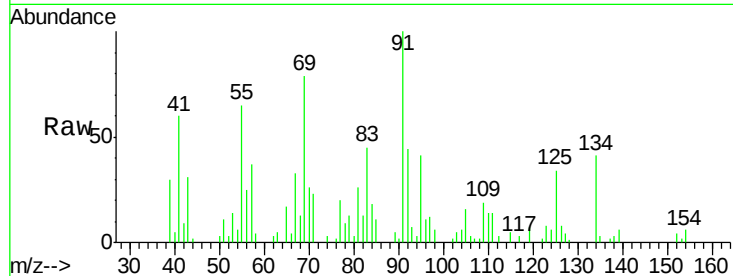
Tot Ion: 91 Resp: 6346

Ion Ratio Lower Upper

91 100

92 50.4 26.4 79.2

134 0.0 13.4 40.2#



#95

Naphthalene

Concen: 180.498 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008051.D

Acq: 04 Jan 2019 16:49

Tgt Ion: 128 Resp: 208855

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 10.8 8.8 13.2

