

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008076.D
 Acq On : 07 Jan 2019 18:08
 Operator : SY/AP
 Sample : K1071-05
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 08 04:49:45 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	48456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	79336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	53919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	77839	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	29634	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
35) Dibromofluoromethane	7.88	113	24384	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	10.32	98	193497	103.14	ug/l	0.00
Spiked Amount			Recovery	=	206.28%	
62) 4-Bromofluorobenzene	12.62	95	217899	302.84	ug/l	0.00
Spiked Amount			Recovery	=	605.68%	

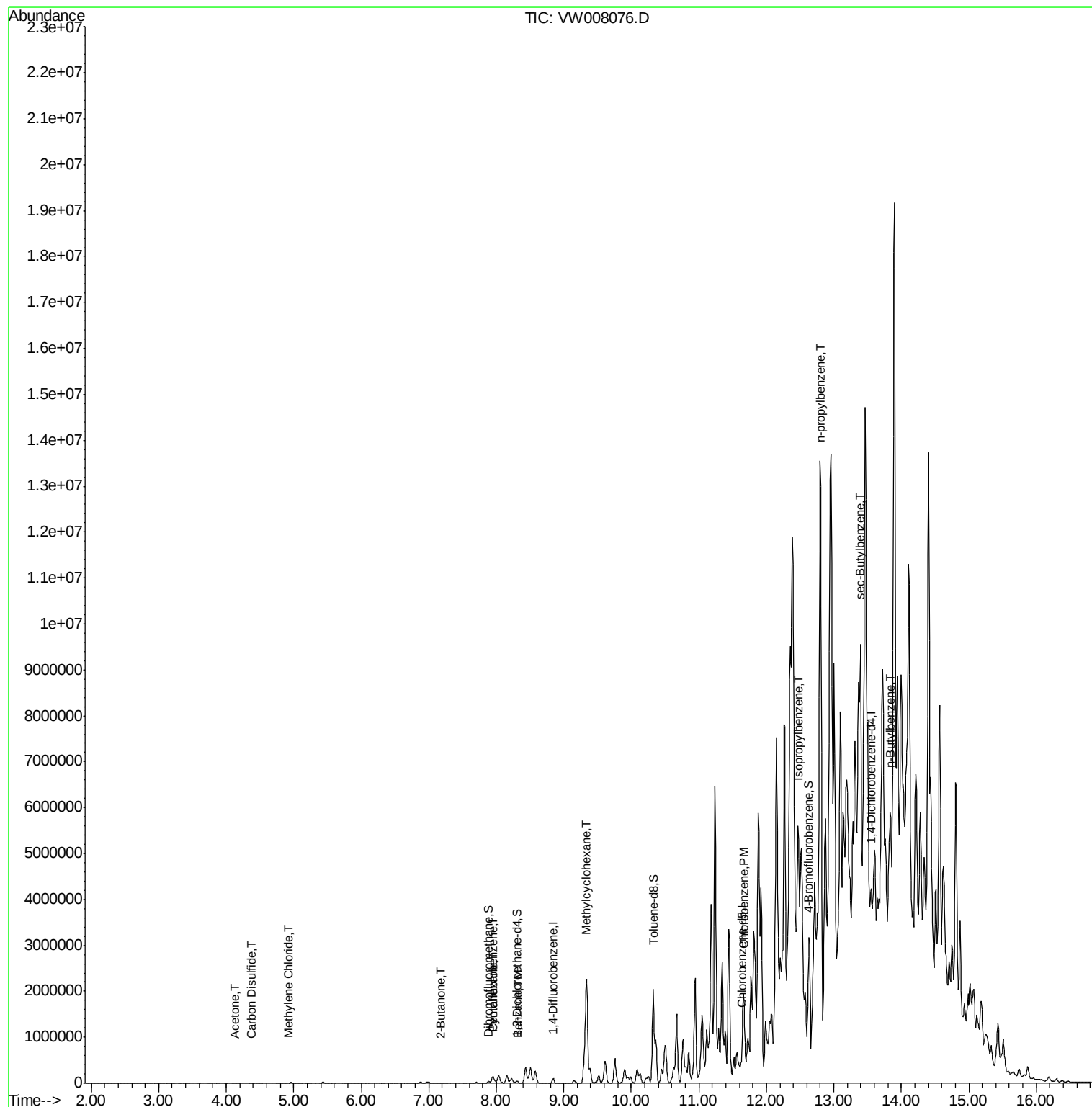
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	2595	31.279	ug/l	94
17) Carbon Disulfide	4.37	76	3471	2.336	ug/l #	92
20) Methylene Chloride	4.92	84	2567	2.772	ug/l	96
25) 2-Butanone	7.18	43	2295	23.479	ug/l #	71
31) Cyclohexane	7.96	56	48729	59.481	ug/l	98
39) Methylcyclohexane	9.34	83	1043568	1069.748	ug/l	96
40) Benzene	8.33	78	5794	2.806	ug/l	100
65) Chlorobenzene	11.66	112	796268	690.989	ug/l	90
73) Isopropylbenzene	12.47	105	1045397	168.896	ug/l	98
78) n-propylbenzene	12.81	91	2481032	345.726	ug/l	95
85) sec-Butylbenzene	13.40	105	2132352	332.542	ug/l	85
89) n-Butylbenzene	13.83	91	1018520	192.522	ug/l	86

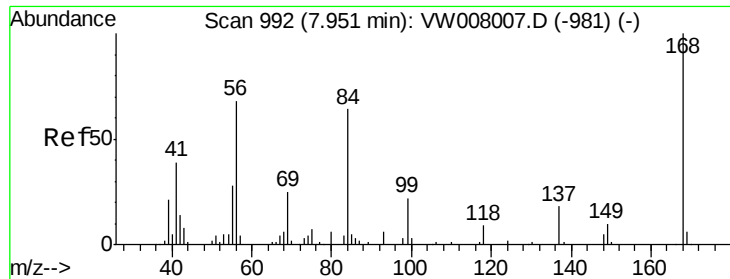
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

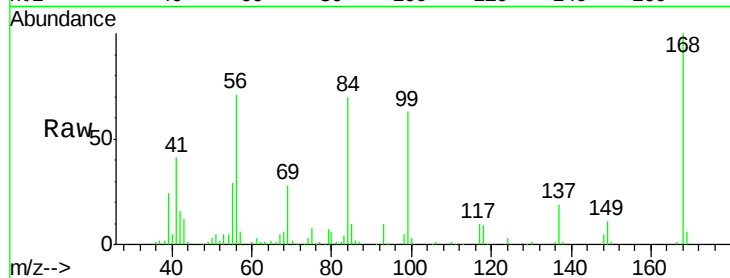
CPSB-15(15-20)

Tot Ion:168 Resp: 48456

Ion Ratio Lower Upper

168 100

99 62.5 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

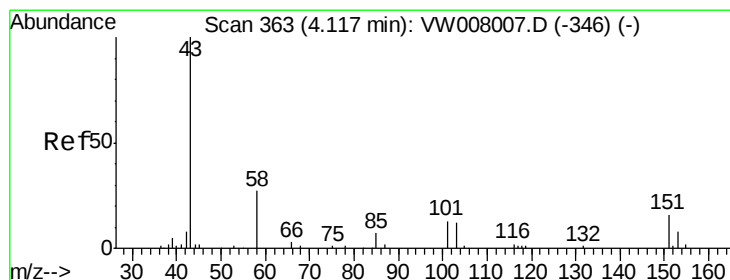
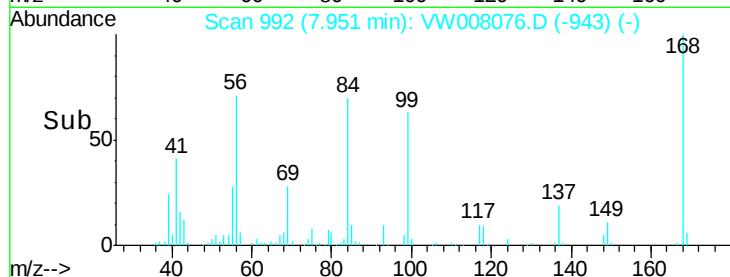
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 31.279 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008076.D

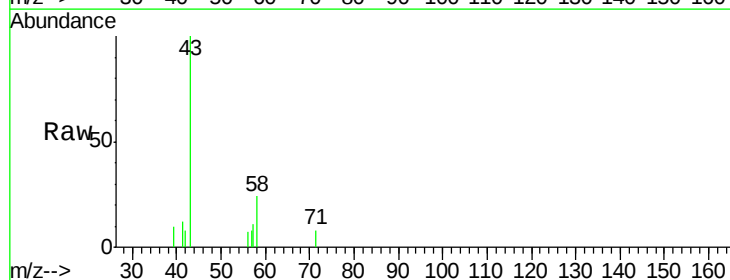
Acq: 07 Jan 2019 18:08

Tgt Ion: 43 Resp: 2595

Ion Ratio Lower Upper

43 100

58 24.1 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

1000

800

600

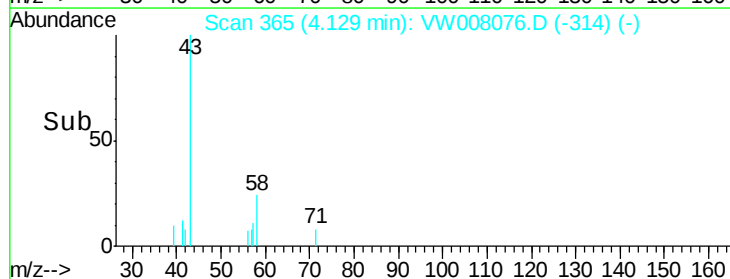
400

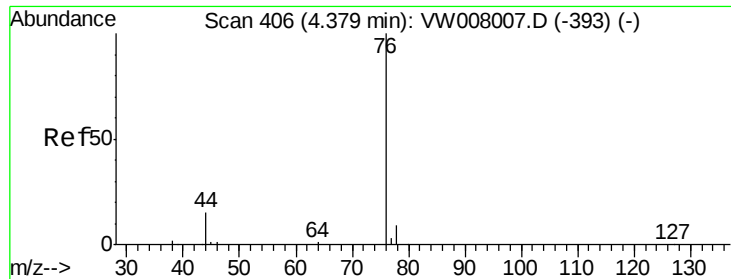
200

0

Time-->

4.05 4.10 4.15 4.20





#17

Carbon Disulfide

Concen: 2.336 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

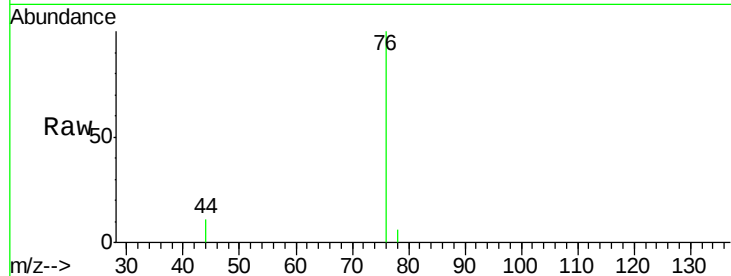
CPSB-15(15-20)

Tot Ion: 76 Resp: 3471

Ion Ratio Lower Upper

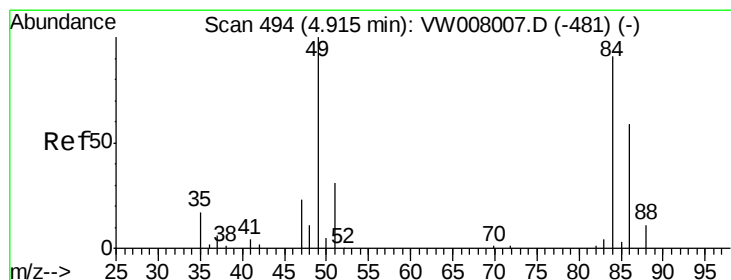
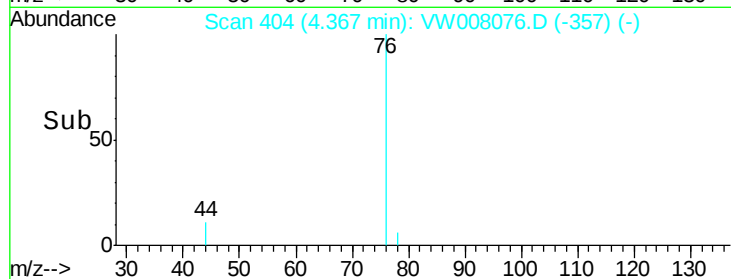
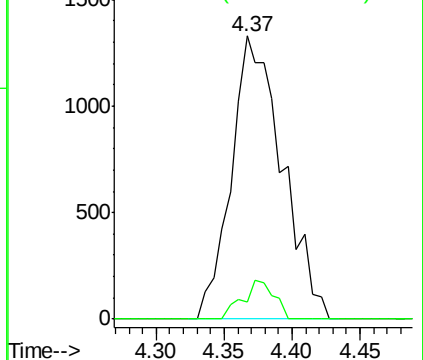
76 100

78 5.9 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 2.772 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Tgt Ion: 84 Resp: 2567

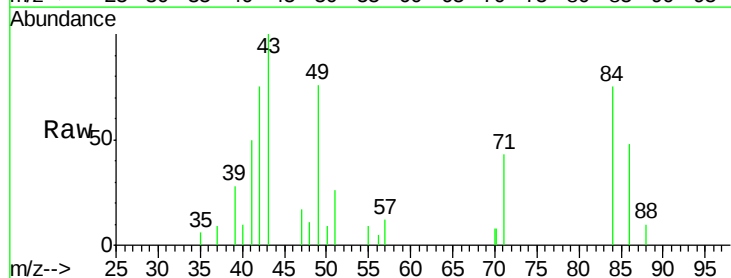
Ion Ratio Lower Upper

84 100

49 102.3 87.7 131.5

51 34.7 27.3 40.9

86 64.7 51.4 77.0

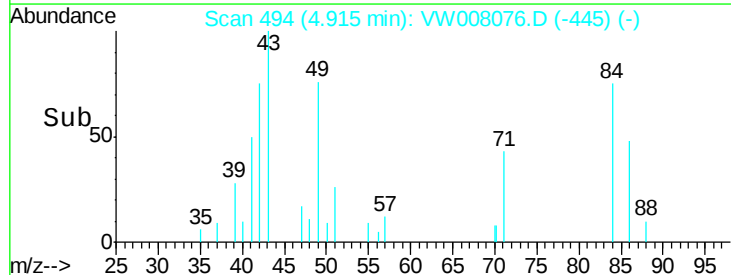
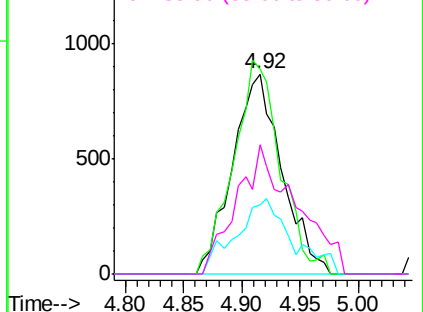


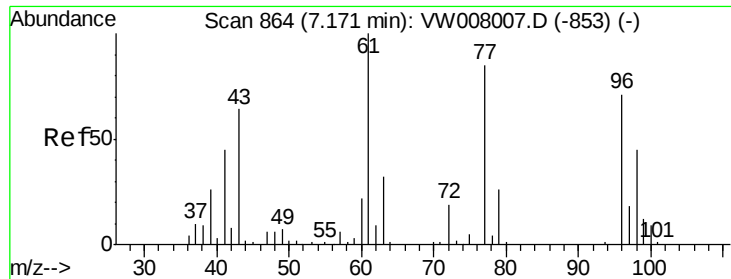
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 23.479 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

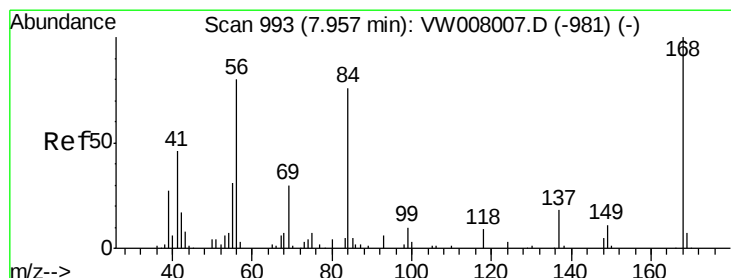
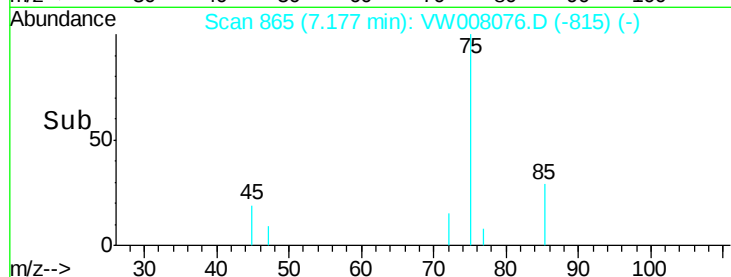
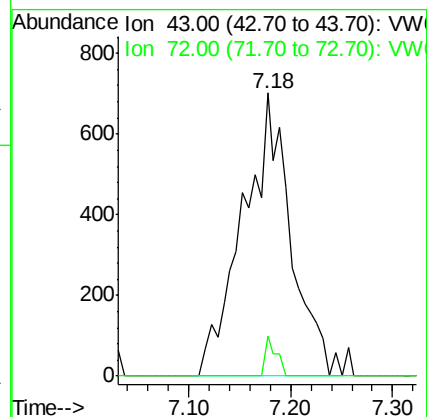
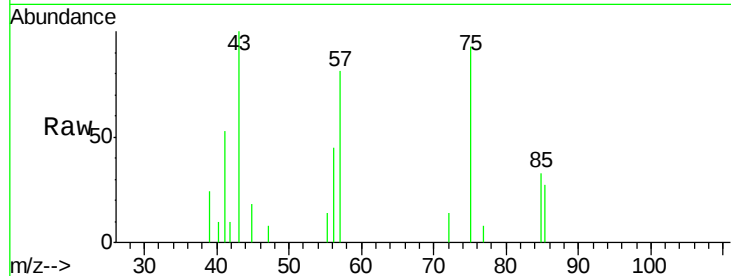
CPSB-15(15-20)

Tot Ion: 43 Resp: 2295

Ion Ratio Lower Upper

43 100

72 14.2 23.8 35.8#



#31

Cyclohexane

Concen: 59.481 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

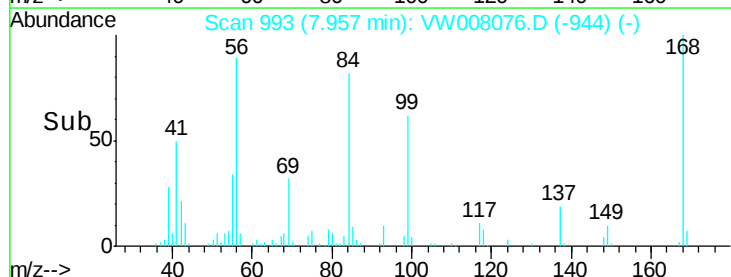
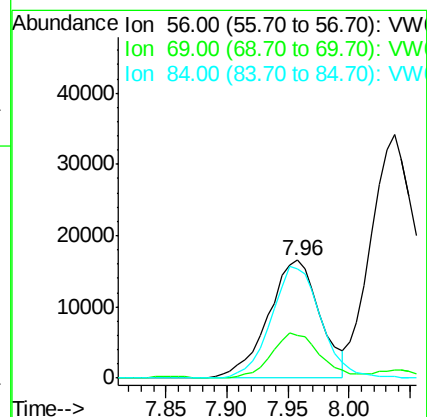
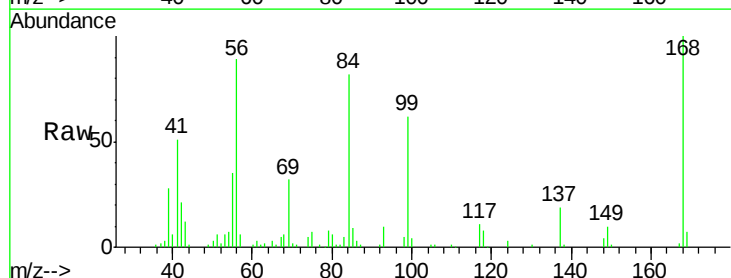
Tgt Ion: 56 Resp: 48729

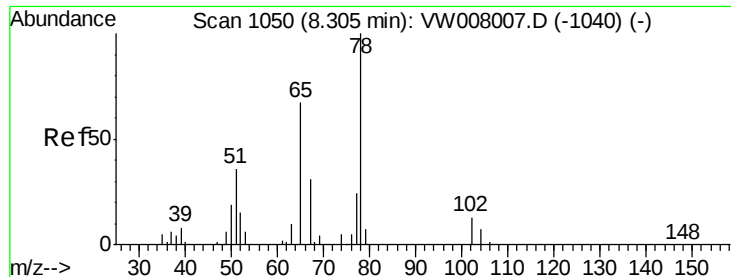
Ion Ratio Lower Upper

56 100

69 35.6 29.8 44.6

84 93.0 75.2 112.8

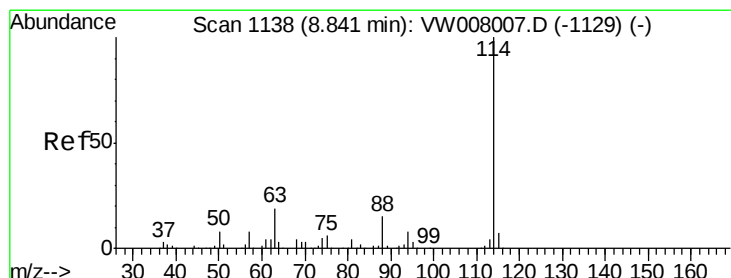
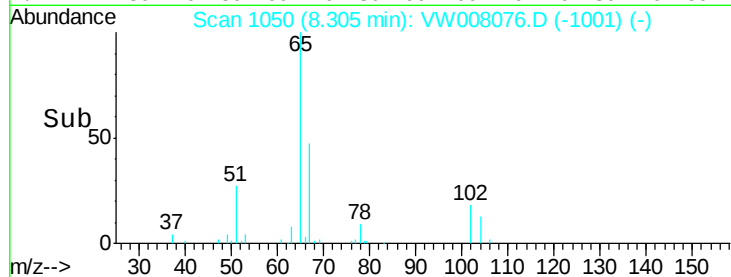
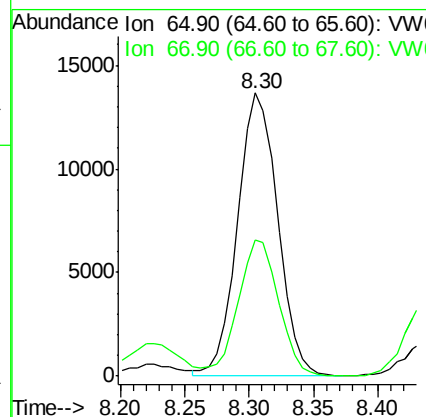
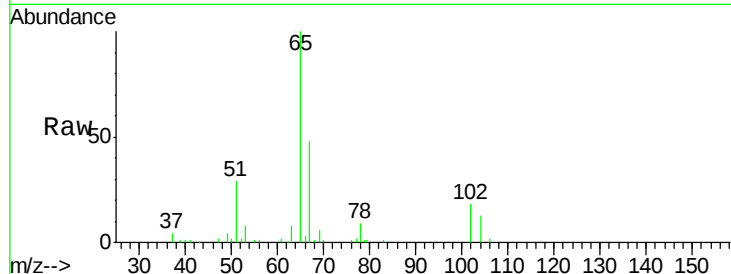




#33
 1,2-Dichloroethane-d4
 Concen: 55.292 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

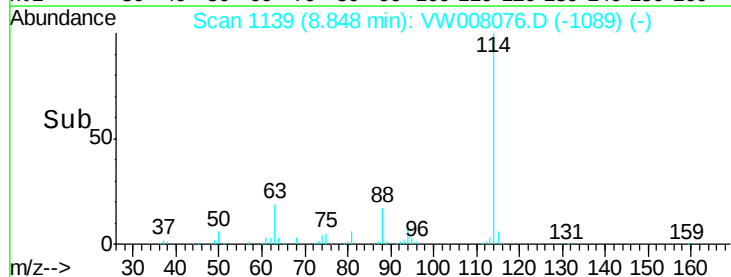
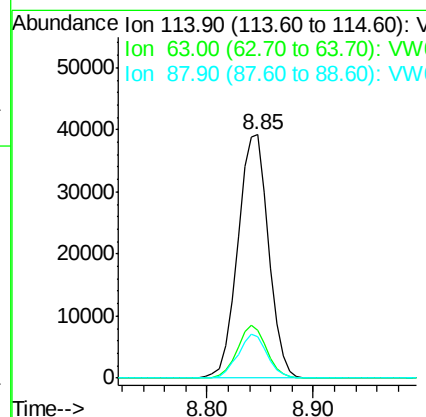
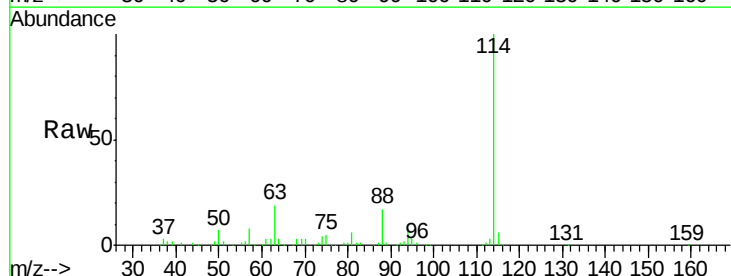
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(15-20)

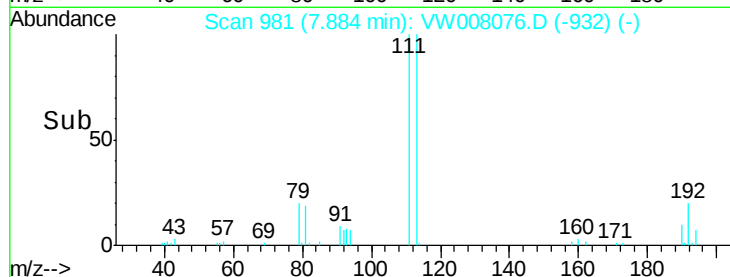
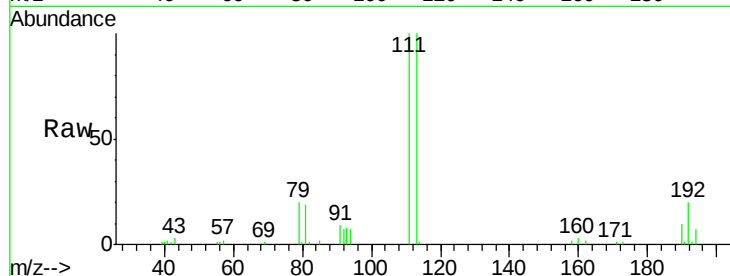
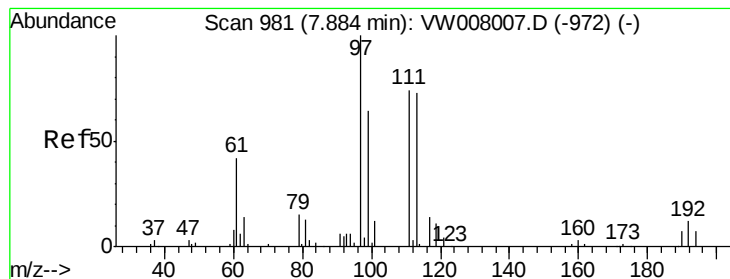
Tot Ion: 65 Resp: 29634
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 94.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion: 114 Resp: 79336
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.8
 88 17.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.755 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(15-20)

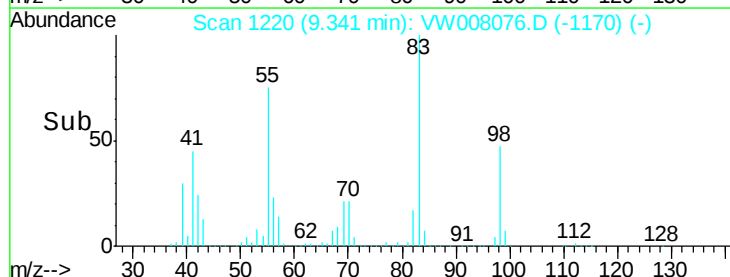
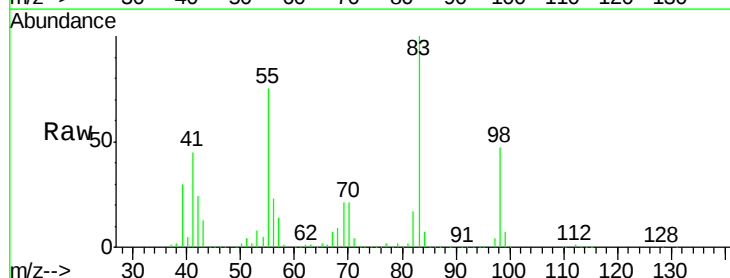
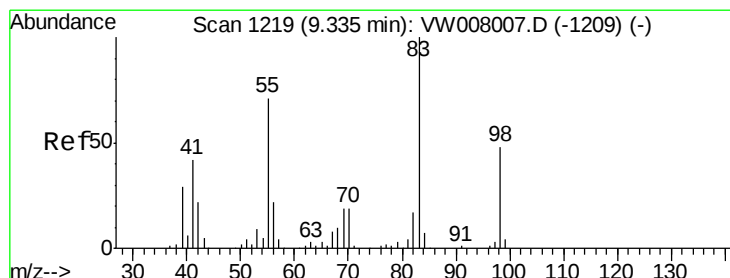
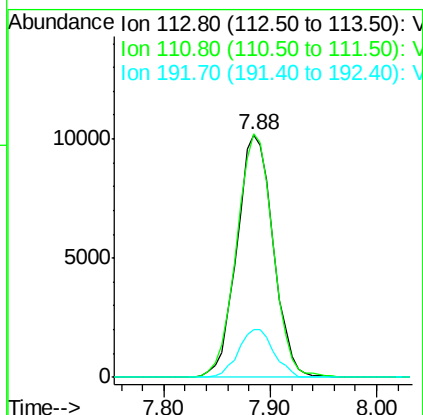
Tot Ion:113 Resp: 24384

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.0

192 19.1 14.8 22.2



#39

Methylcyclohexane

Concen: 1069.748 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

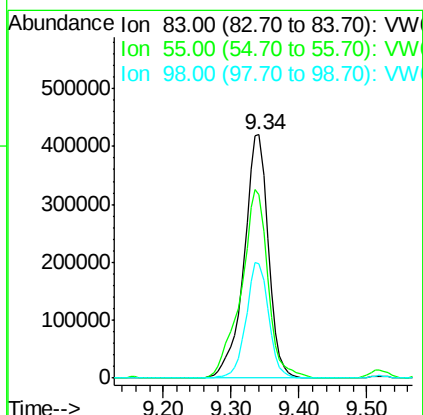
Tgt Ion: 83 Resp: 1043568

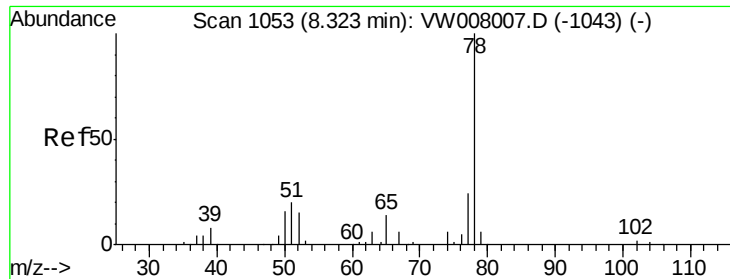
Ion Ratio Lower Upper

83 100

55 75.2 56.8 85.2

98 47.0 38.6 58.0





#40

Benzene

Concen: 2.806 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

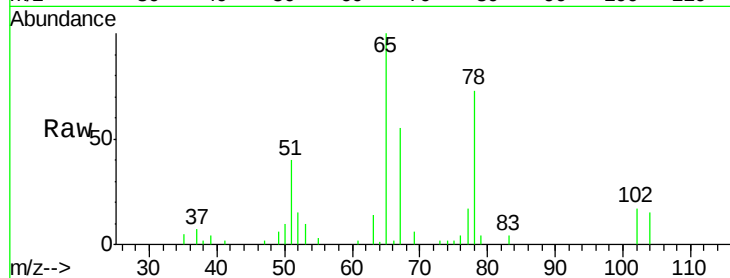
CPSB-15(15-20)

Tot Ion: 78 Resp: 5794

Ion Ratio Lower Upper

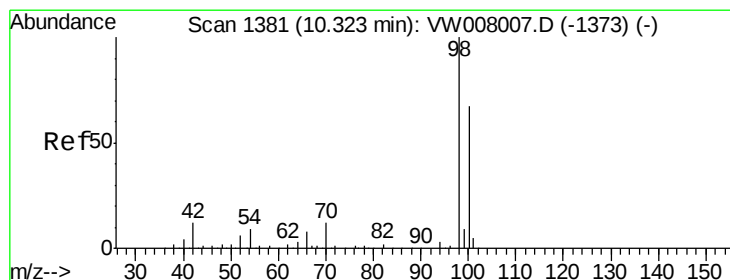
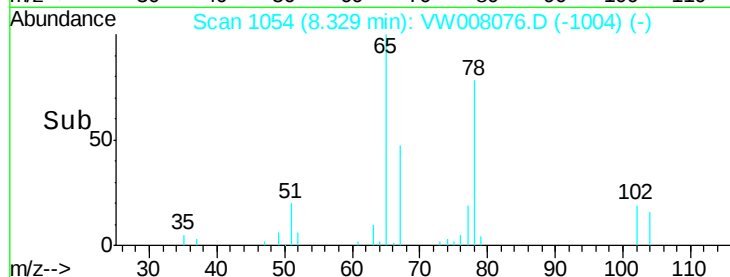
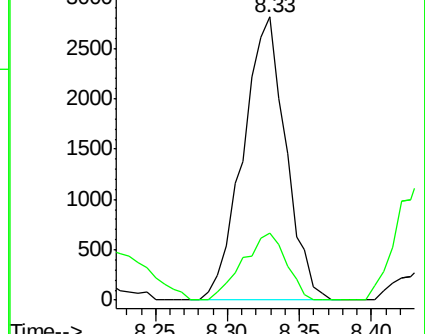
78 100

77 23.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 103.136 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008076.D

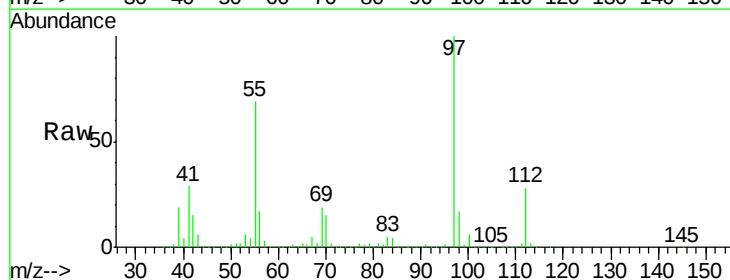
Acq: 07 Jan 2019 18:08

Tgt Ion: 98 Resp: 193497

Ion Ratio Lower Upper

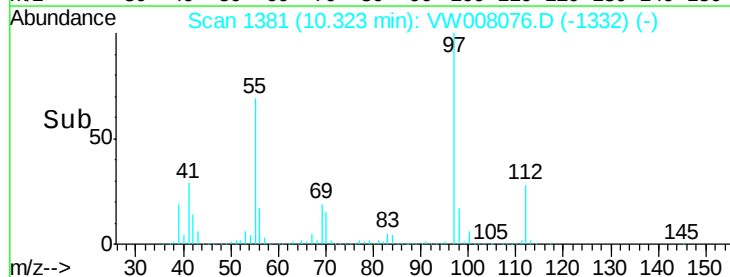
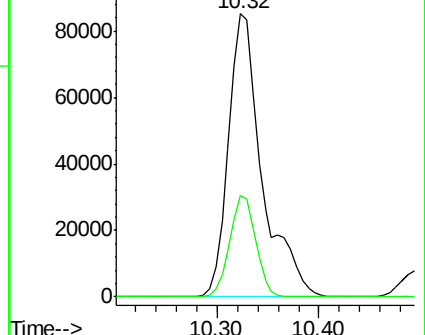
98 100

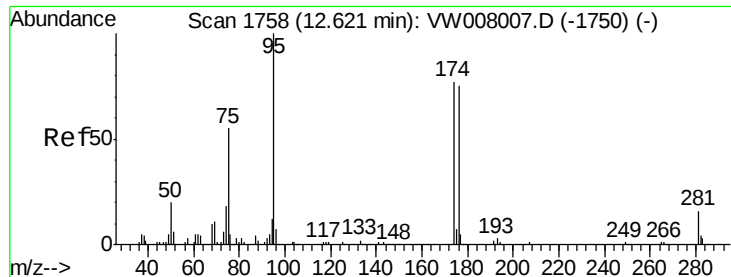
100 27.6 52.9 79.3#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 302.843 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(15-20)

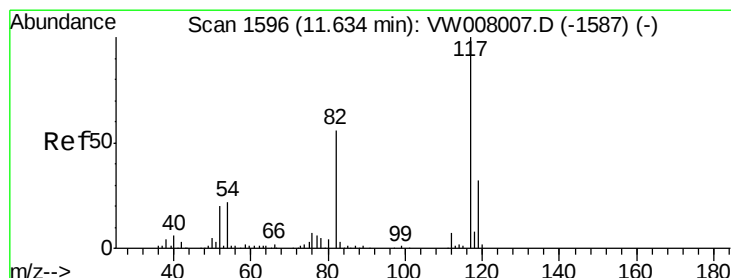
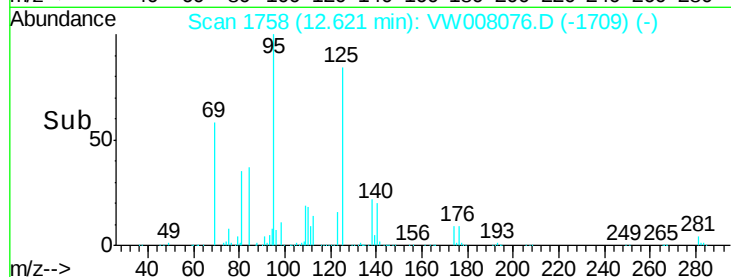
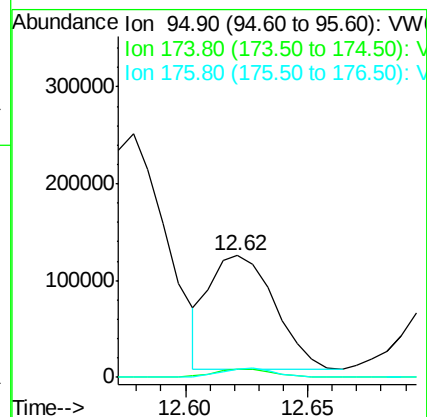
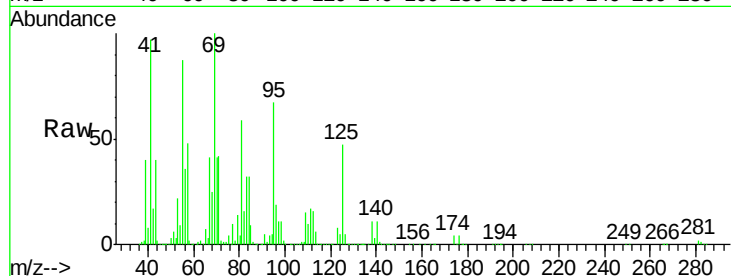
Tot Ion: 95 Resp: 217899

Ion Ratio Lower Upper

95 100

174 6.7 0.0 149.6

176 6.5 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: VW008076.D

Acq: 07 Jan 2019 18:08

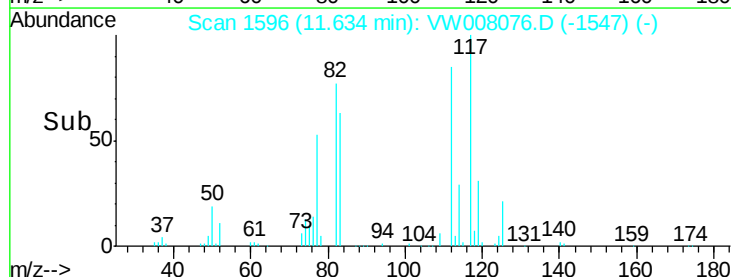
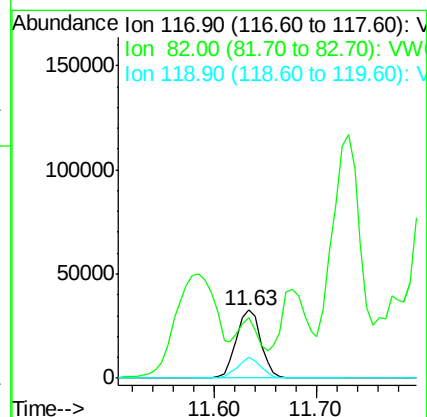
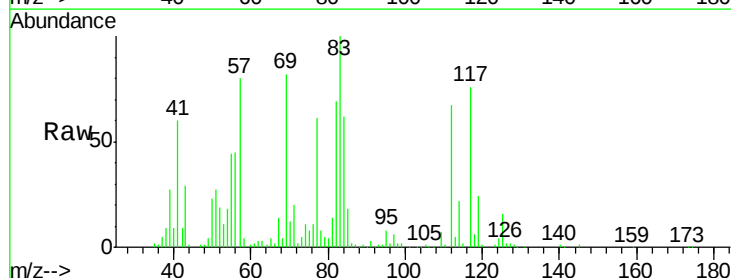
Tgt Ion: 117 Resp: 53919

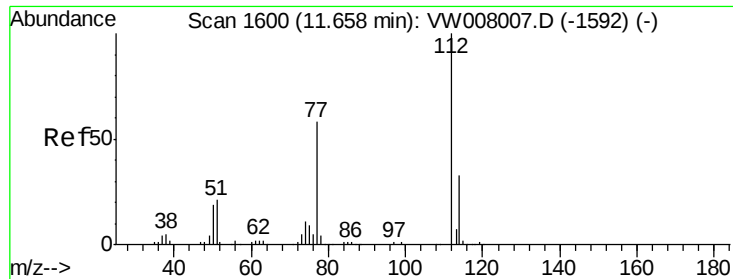
Ion Ratio Lower Upper

117 100

82 0.0 44.8 67.2#

119 31.2 25.6 38.4

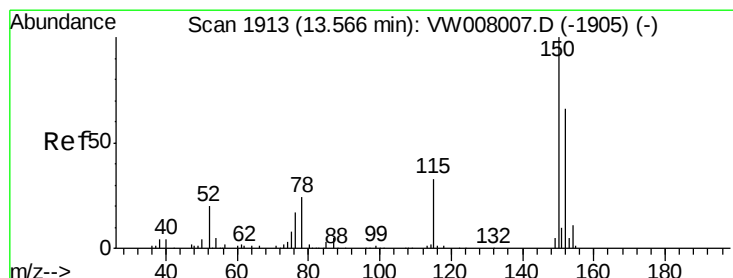
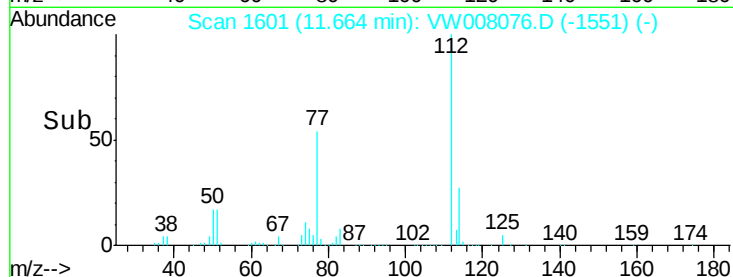
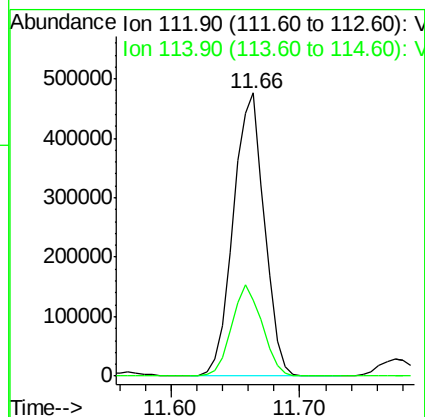
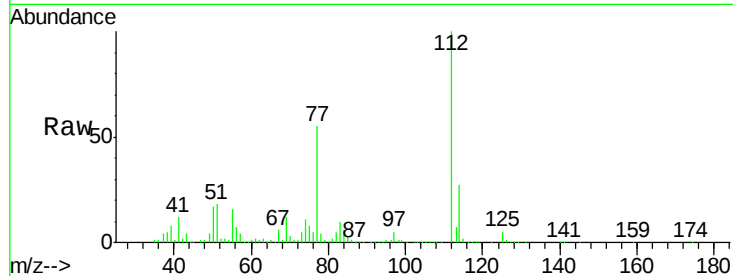




#65
Chlorobenzene
Concen: 690.989 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

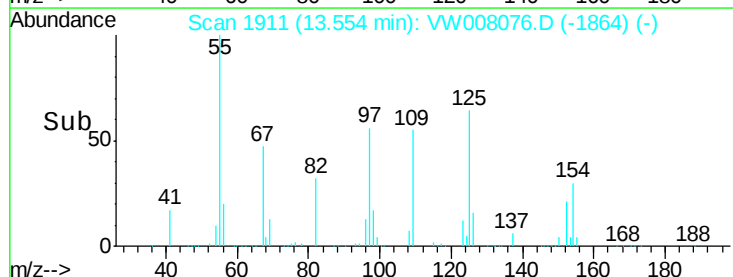
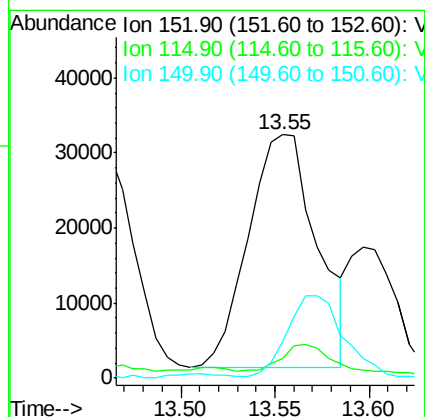
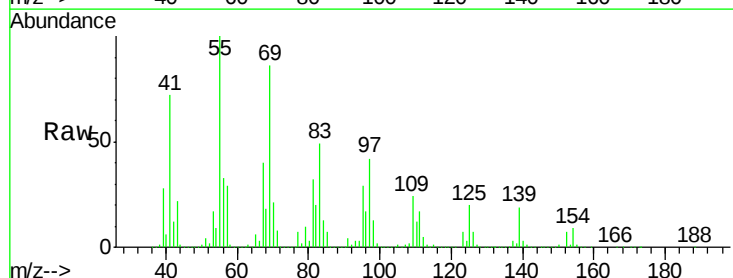
Instrument :
MSVOA_W
ClientSampleId :
CPSB-15(15-20)

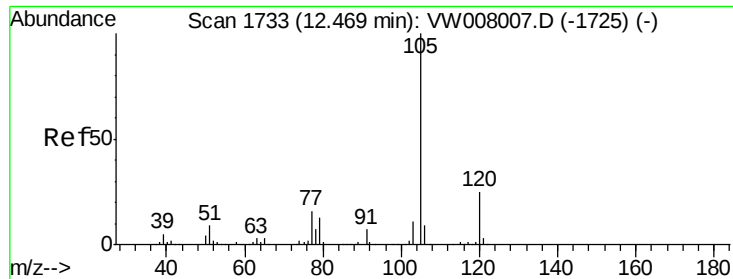
Tot Ion:112 Resp: 796268
Ion Ratio Lower Upper
112 100
114 27.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion:152 Resp: 77839
Ion Ratio Lower Upper
152 100
115 10.0 32.1 96.5#
150 29.8 0.0 345.0





#73

Isopropylbenzene

Concen: 168.896 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

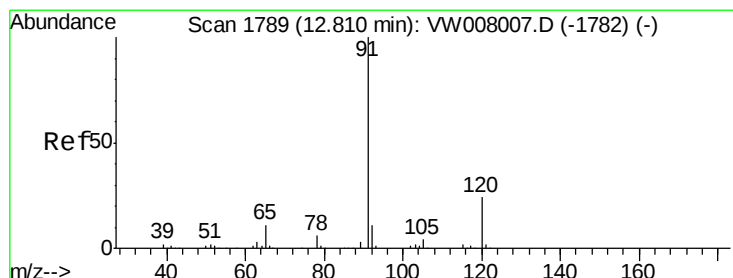
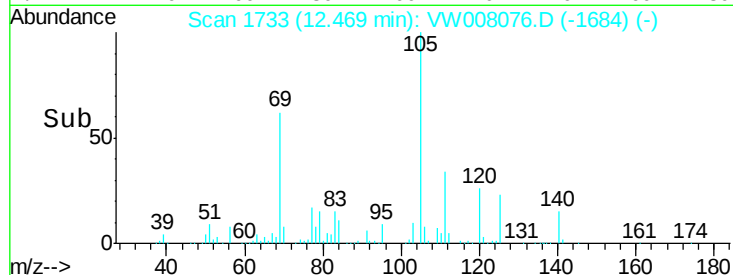
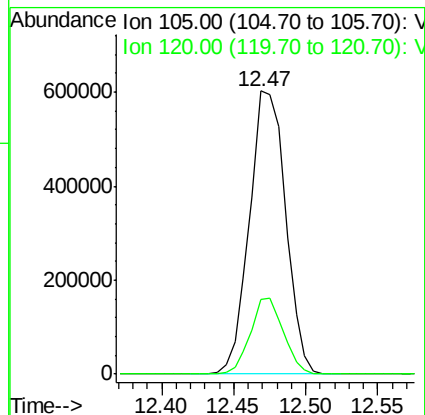
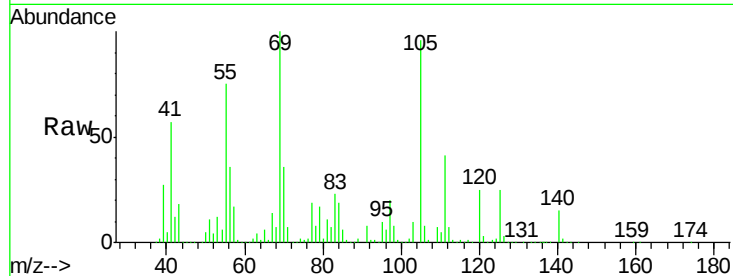
CPSB-15(15-20)

Tot Ion:105 Resp: 1045397

Ion Ratio Lower Upper

105 100

120 24.6 12.8 38.3



#78

n-propylbenzene

Concen: 345.726 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008076.D

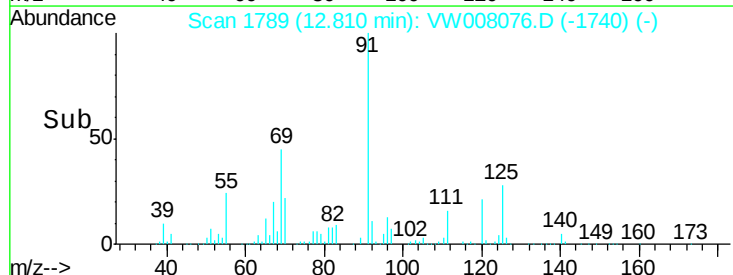
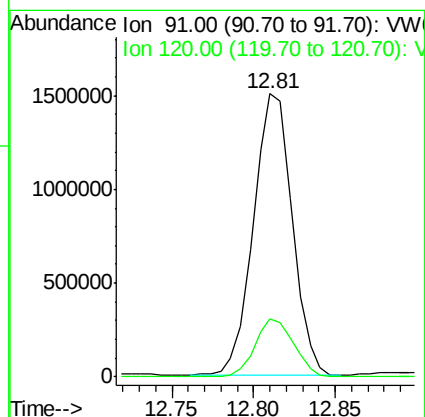
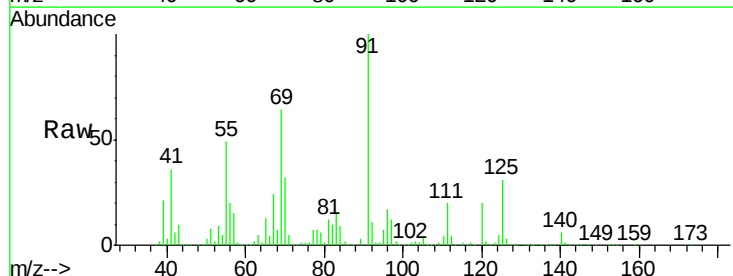
Acq: 07 Jan 2019 18:08

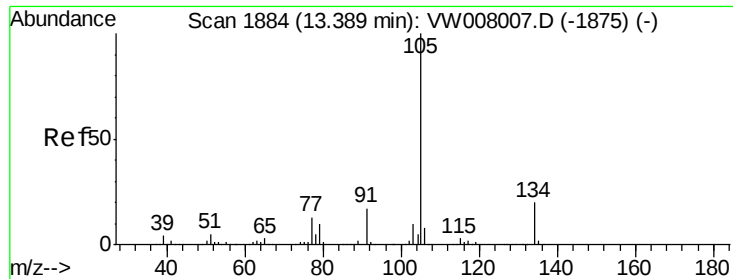
Tgt Ion: 91 Resp: 2481032

Ion Ratio Lower Upper

91 100

120 20.6 11.5 34.5





#85

sec-Butylbenzene

Concen: 332.542 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

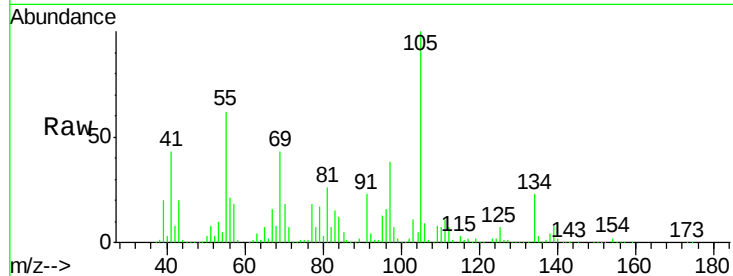
CPSB-15(15-20)

Tot Ion:105 Resp: 2132352

Ion Ratio Lower Upper

105 100

134 26.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

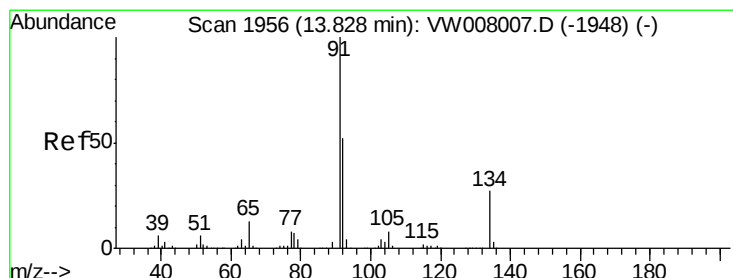
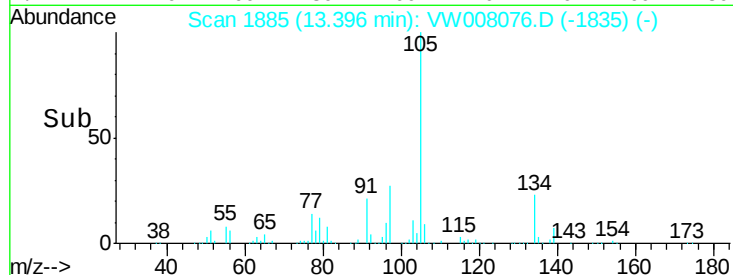
13.40

1000000

500000

0

Time-->



#89

n-Butylbenzene

Concen: 192.522 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

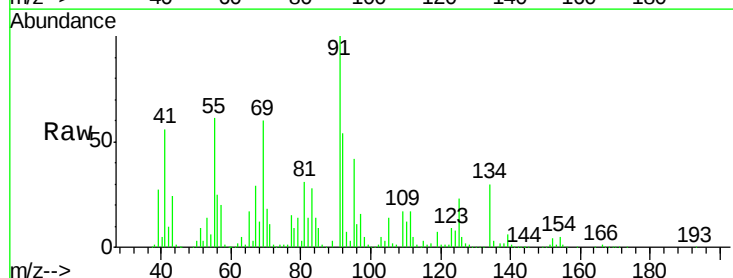
Tgt Ion: 91 Resp: 1018520

Ion Ratio Lower Upper

91 100

92 46.4 26.4 79.2

134 38.9 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

0

Time-->

