

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008074.D
 Acq On : 07 Jan 2019 17:15
 Operator : SY/AP
 Sample : K1071-03
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-16(10-15)

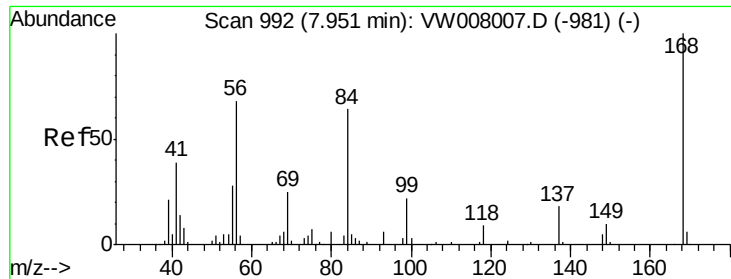
Quant Time: Jan 08 04:42:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	68489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	112941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	62715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	119420	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	45878	60.56	ug/l	0.00
Spiked Amount			Recovery	=	121.12%	
35) Dibromofluoromethane	7.88	113	36977	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.33	98	220981	82.74	ug/l	0.00
Spiked Amount			Recovery	=	165.48%	
62) 4-Bromofluorobenzene	12.64	95	360159	351.62	ug/l	0.02
Spiked Amount			Recovery	=	703.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	9835	83.872	ug/l	99
17) Carbon Disulfide	4.37	76	4317	2.055	ug/l	96
20) Methylene Chloride	4.92	84	4895	4.611	ug/l	89
25) 2-Butanone	7.18	43	9692	70.150	ug/l #	69
31) Cyclohexane	7.95	56	36430	31.461	ug/l	99
39) Methylcyclohexane	9.34	83	1490966	1073.612	ug/l #	68
40) Benzene	8.33	78	4211	1.433	ug/l #	83
65) Chlorobenzene	11.66	112	845057	630.475	ug/l #	87
73) Isopropylbenzene	12.48	105	2250046	236.947	ug/l	98
78) n-propylbenzene	12.82	91	5577906	506.630	ug/l	99
85) sec-Butylbenzene	13.40	105	4012544	407.875	ug/l	84
89) n-Butylbenzene	13.84	91	1490785	183.674	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

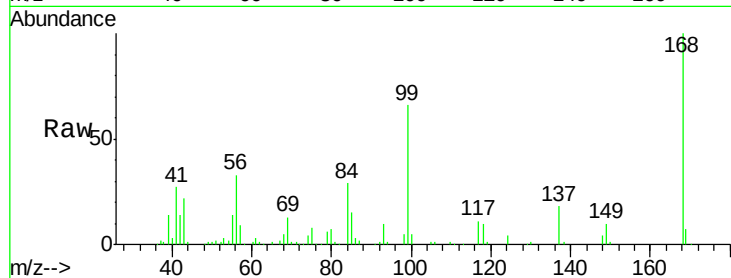
CPSB-16(10-15)

Tot Ion:168 Resp: 68489

Ion Ratio Lower Upper

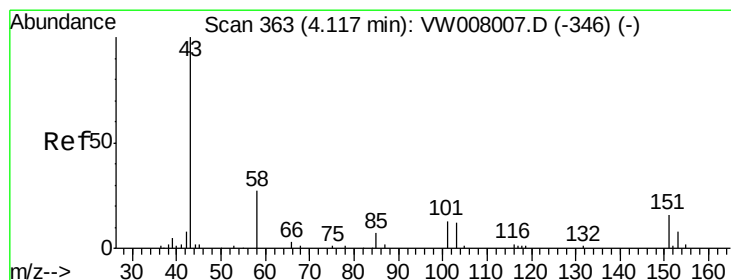
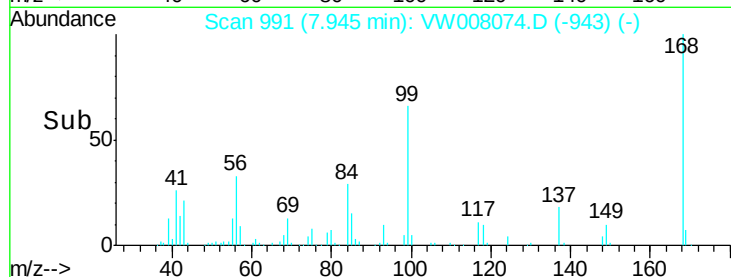
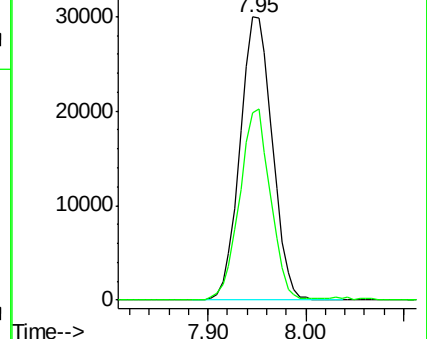
168 100

99 66.0 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: 83.872 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW008074.D

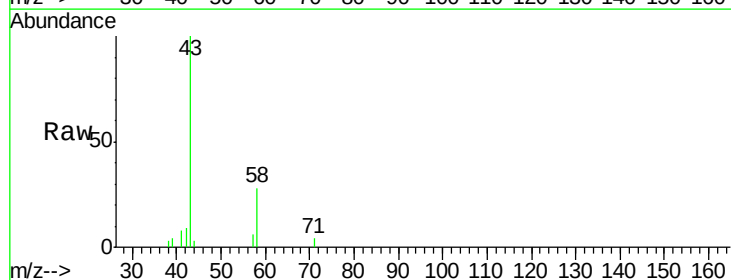
Acq: 07 Jan 2019 17:15

Tgt Ion: 43 Resp: 9835

Ion Ratio Lower Upper

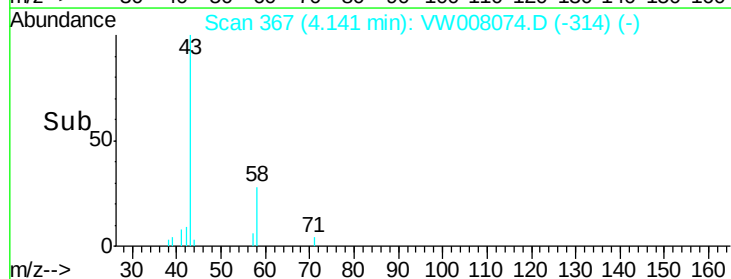
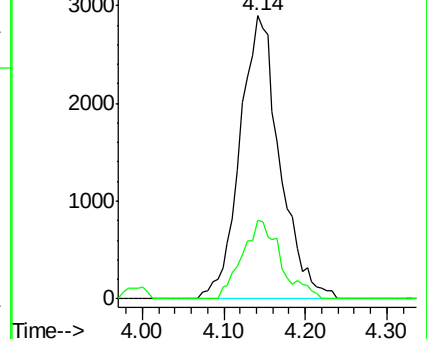
43 100

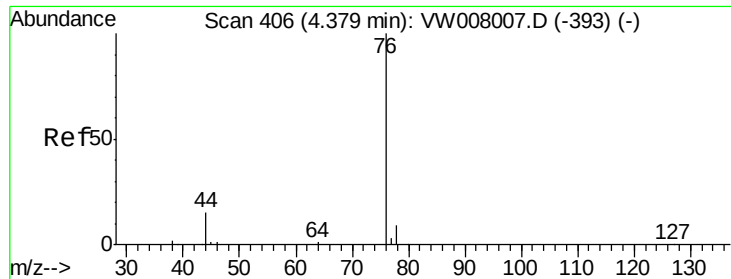
58 27.6 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

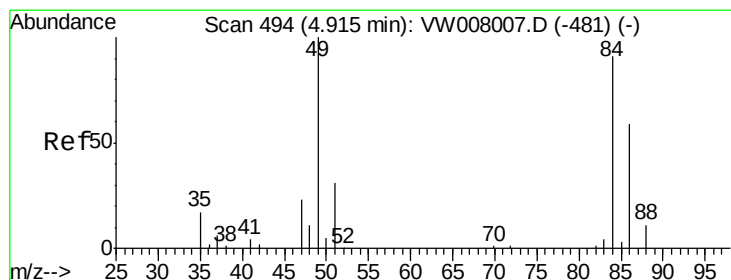
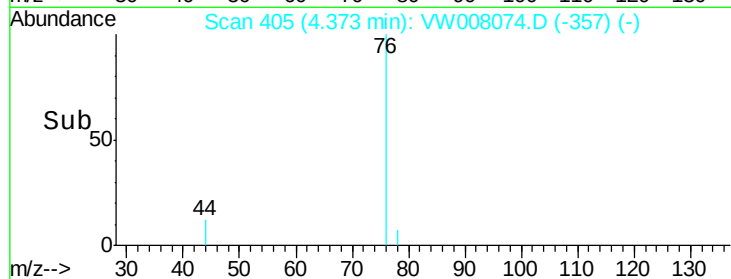
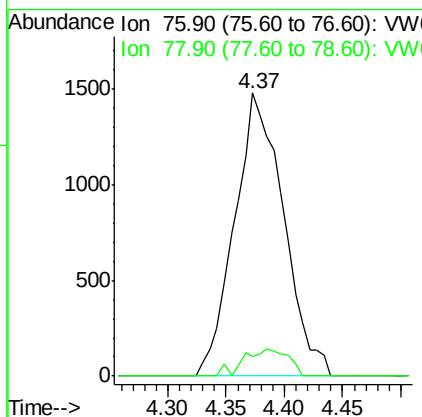
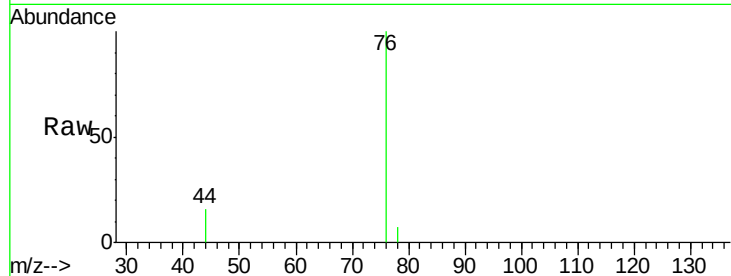




#17
Carbon Disulfide
Concen: 2.055 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW008074.D
Acq: 07 Jan 2019 17:15

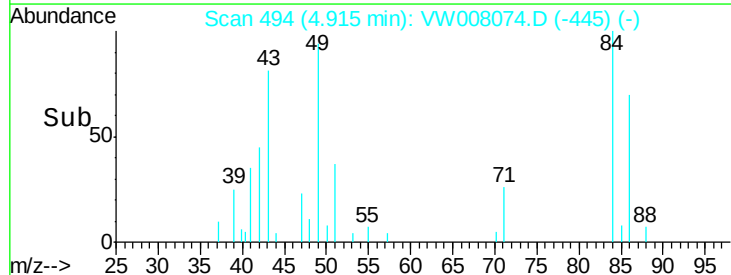
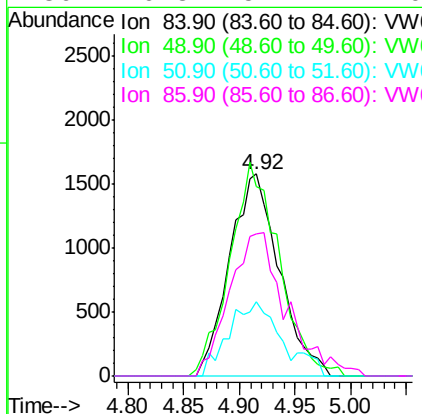
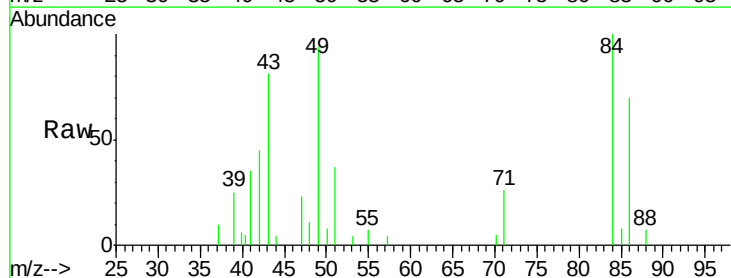
Instrument :
MSVOA_W
ClientSampleId :
CPSB-16(10-15)

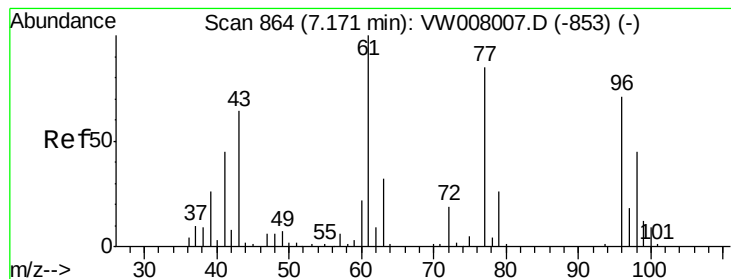
Tot Ion: 76 Resp: 4317
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.4



#20
Methylene Chloride
Concen: 4.611 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008074.D
Acq: 07 Jan 2019 17:15

Tgt Ion: 84 Resp: 4895
Ion Ratio Lower Upper
84 100
49 93.6 87.7 131.5
51 37.0 27.3 40.9
86 70.3 51.4 77.0





#25

2-Butanone

Concen: 70.150 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

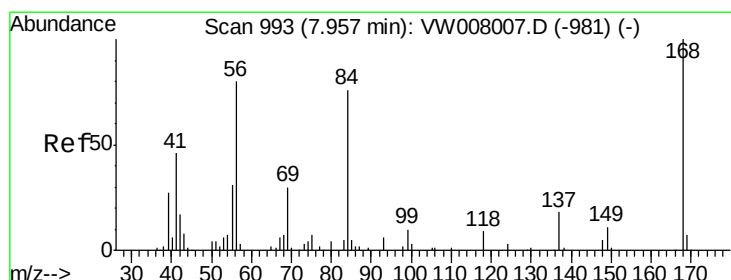
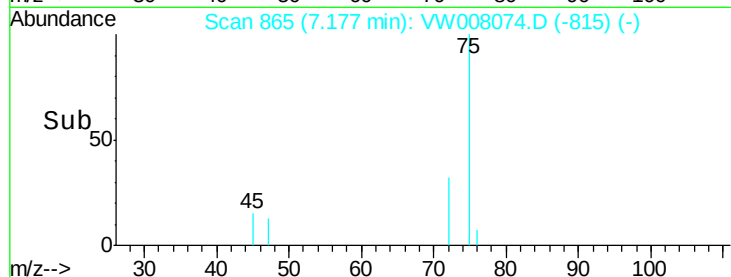
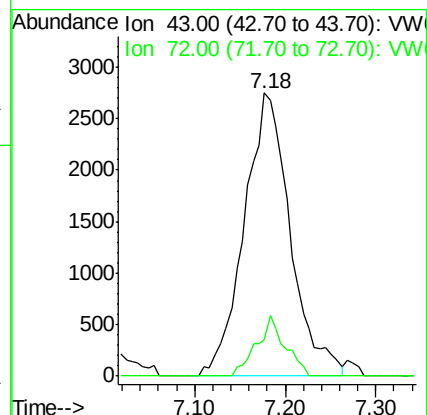
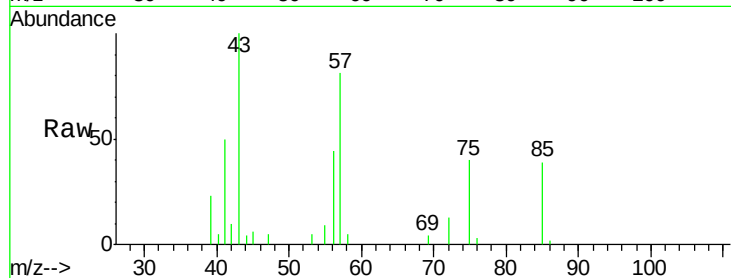
CPSB-16(10-15)

Tot Ion: 43 Resp: 9692

Ion Ratio Lower Upper

43 100

72 13.0 23.8 35.8#



#31

Cyclohexane

Concen: 31.461 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

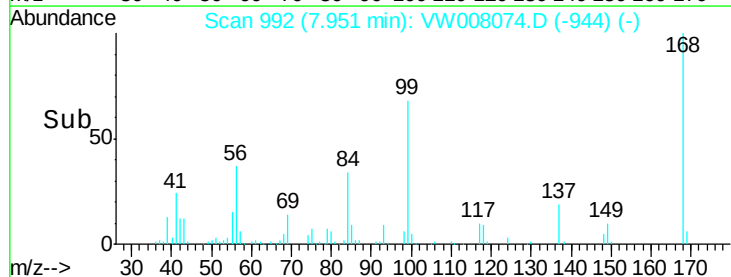
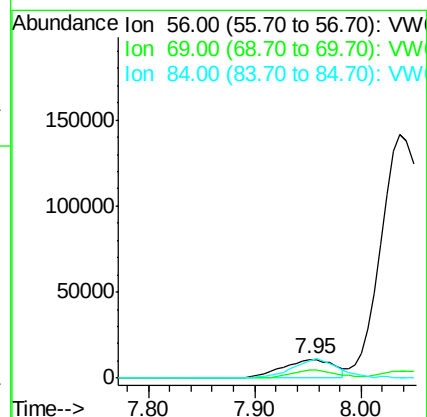
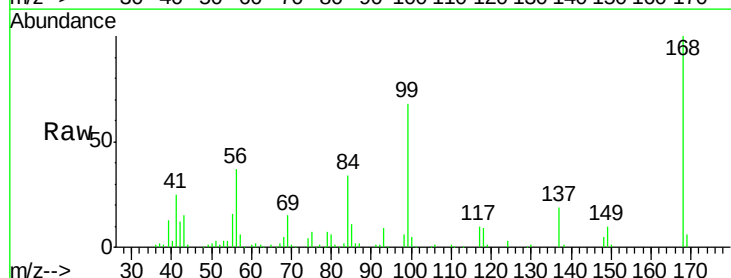
Tgt Ion: 56 Resp: 36430

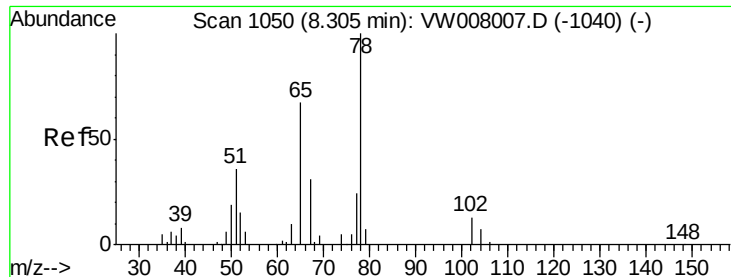
Ion Ratio Lower Upper

56 100

69 38.9 29.8 44.6

84 93.2 75.2 112.8

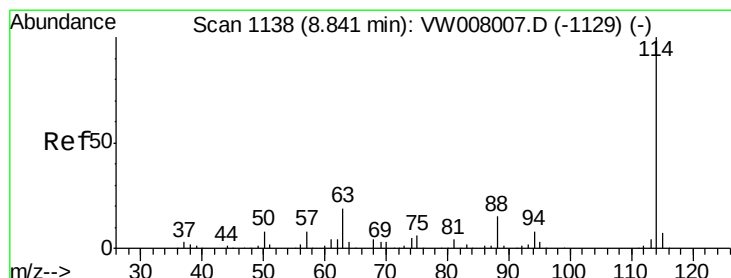
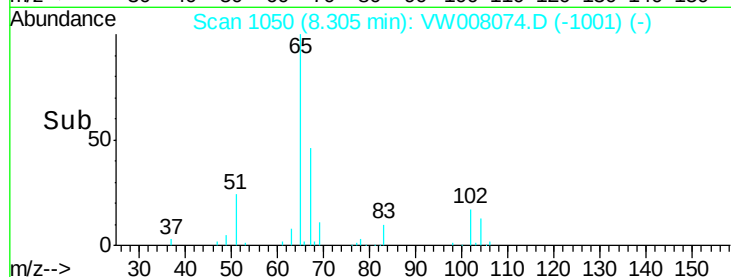
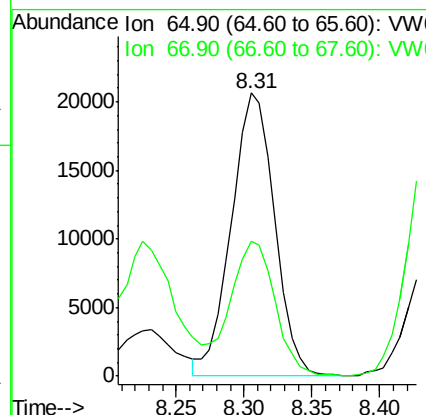
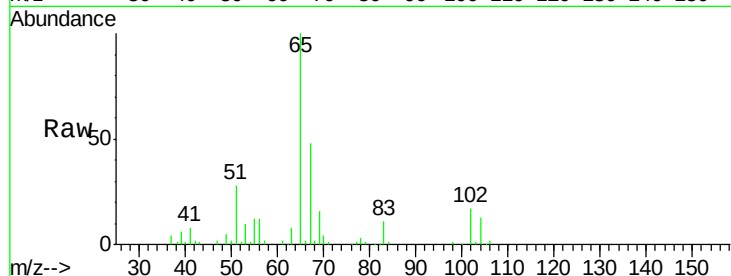




#33
 1,2-Dichloroethane-d4
 Concen: 60.563 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008074.D
 Acq: 07 Jan 2019 17:15

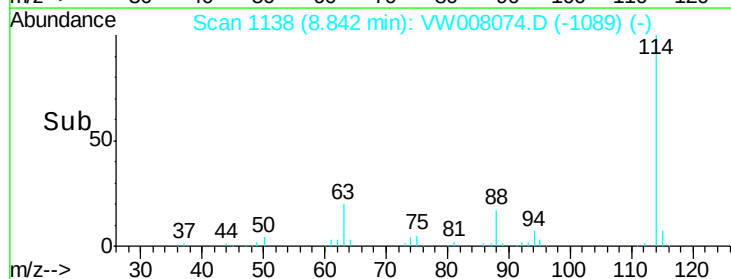
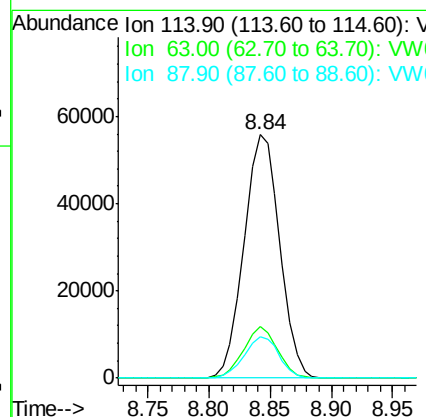
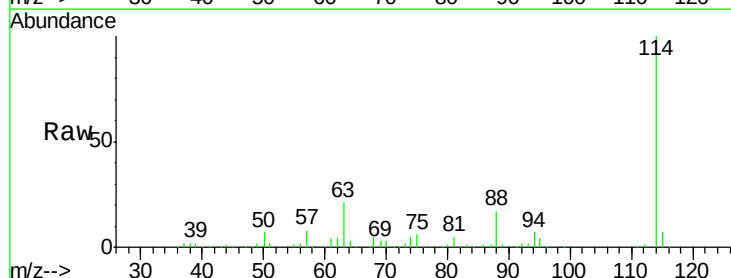
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-16(10-15)

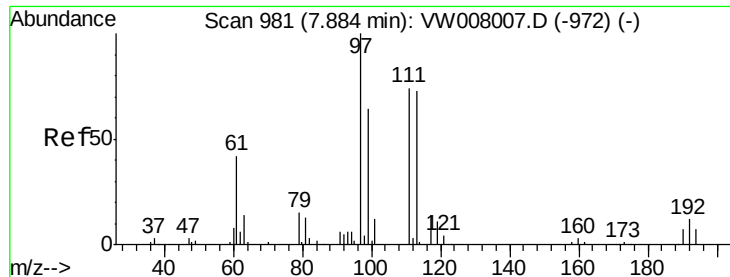
Tot Ion: 65 Resp: 45878
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 94.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008074.D
 Acq: 07 Jan 2019 17:15

Tgt Ion: 114 Resp: 112941
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 37.8
 88 17.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.935 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

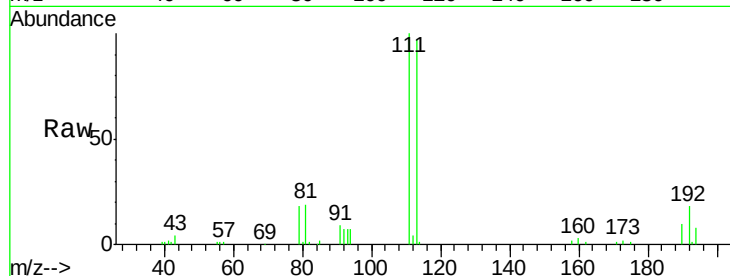
Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

Instrument :
MSVOA_W
ClientSampleId :
CPSB-16(10-15)

Tot Ion:113 Resp: 36977

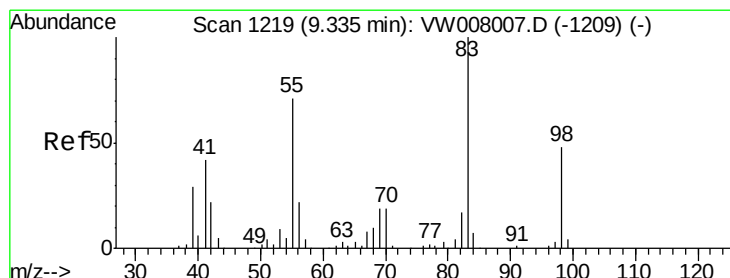
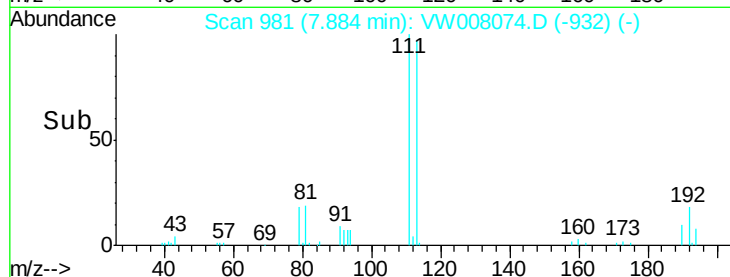
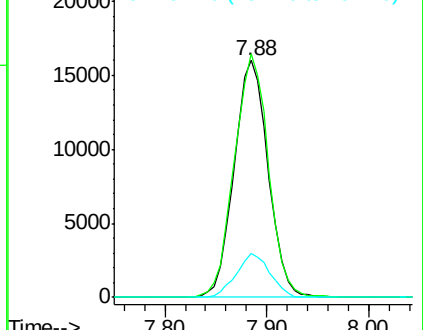
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.0
192	18.3	14.8	22.2



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: 1073.612 ug/l

RT: 9.34 min Scan# 1219

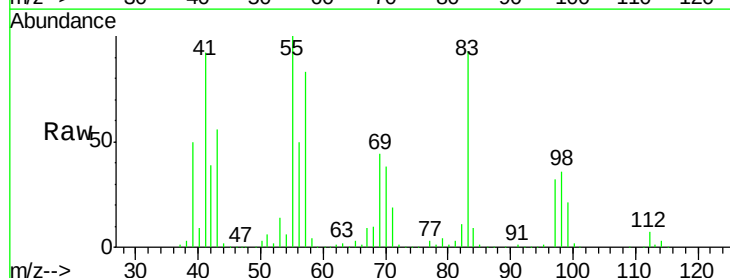
Delta R.T. 0.00 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

Tgt Ion: 83 Resp: 1490966

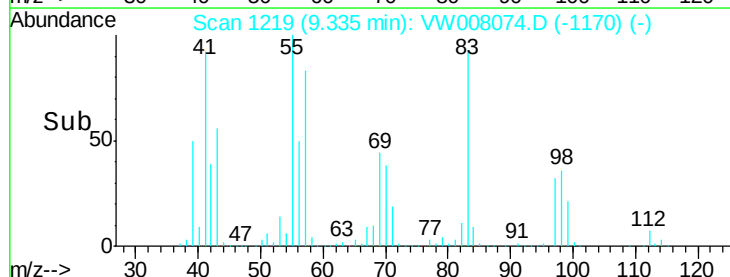
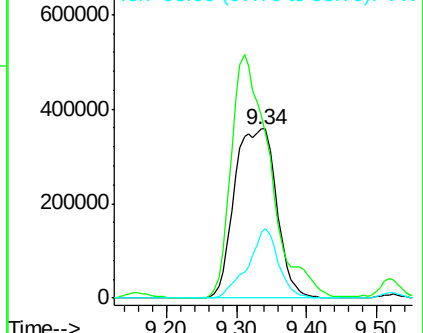
Ion	Ratio	Lower	Upper
83	100		
55	107.6	56.8	85.2#
98	38.5	38.6	58.0#

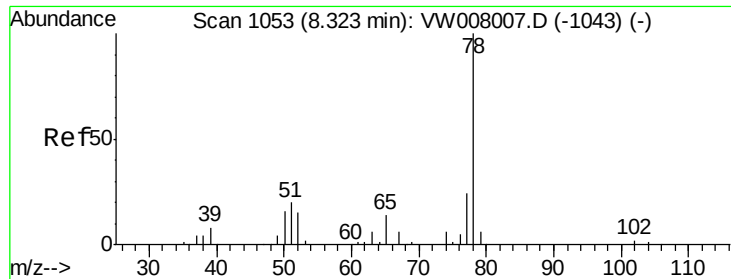


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

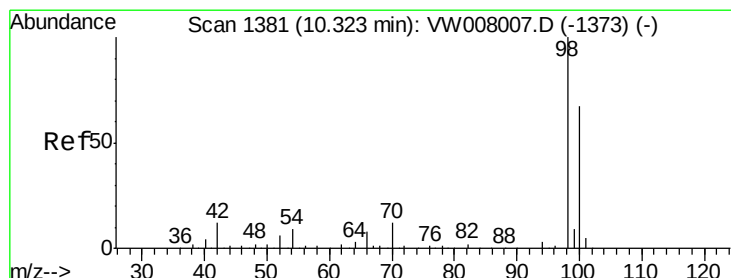
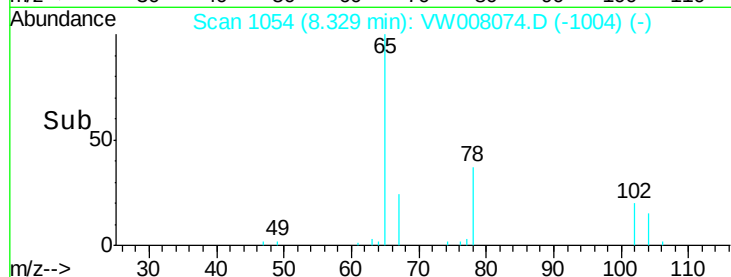
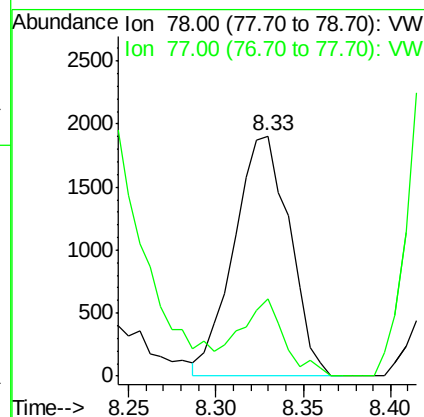
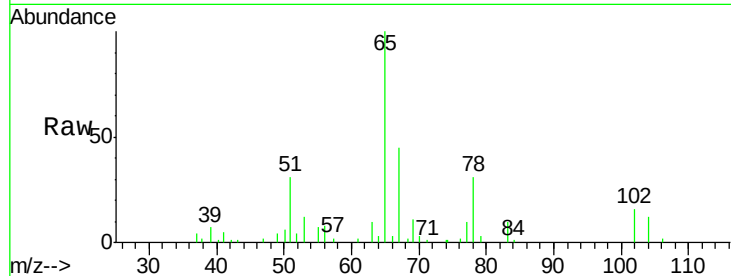




#40
Benzene
Concen: 1.433 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW008074.D
Acq: 07 Jan 2019 17:15

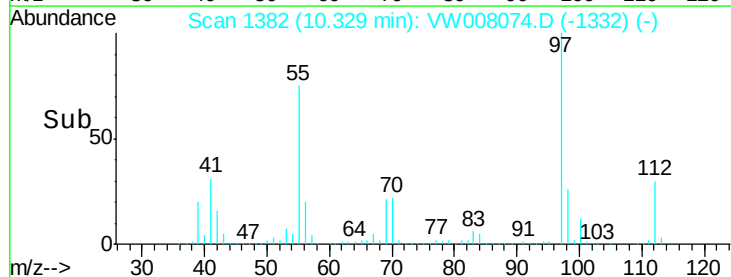
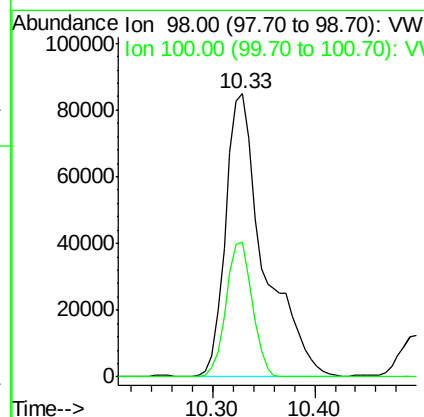
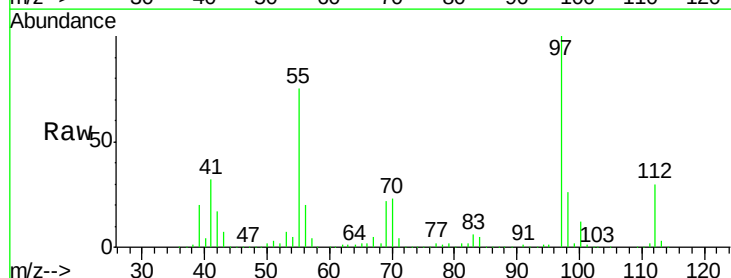
Instrument :
MSVOA_W
ClientSampleId :
CPSB-16(10-15)

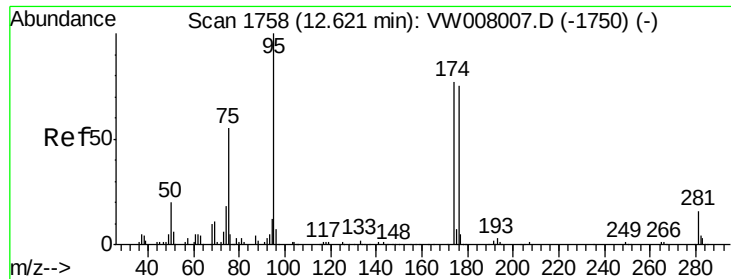
Tot Ion: 78 Resp: 4211
Ion Ratio Lower Upper
78 100
77 32.0 19.0 28.6#



#50
Toluene-d8
Concen: 82.739 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW008074.D
Acq: 07 Jan 2019 17:15

Tgt Ion: 98 Resp: 220981
Ion Ratio Lower Upper
98 100
100 32.7 52.9 79.3#





#62

4-Bromofluorobenzene

Concen: 351.622 ug/l

RT: 12.64 min Scan# 1761

Delta R.T. 0.02 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

CPSB-16(10-15)

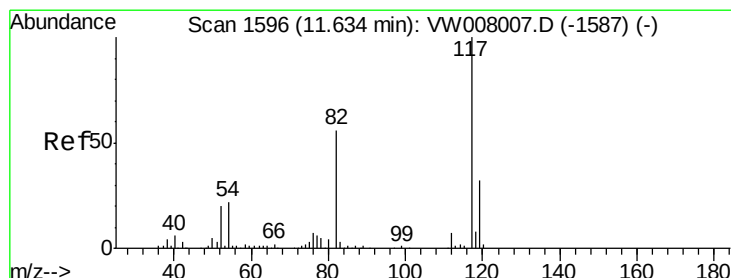
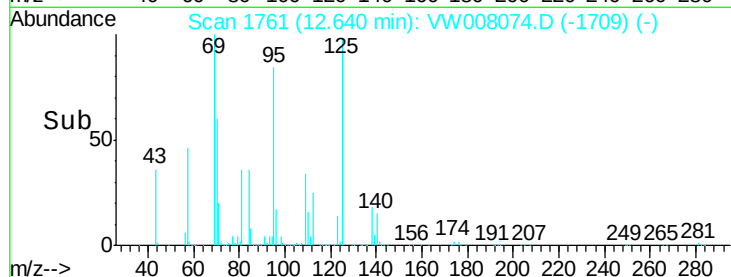
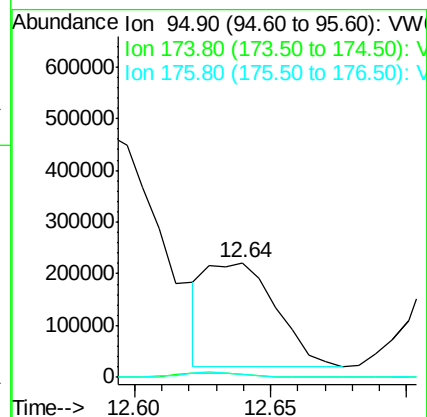
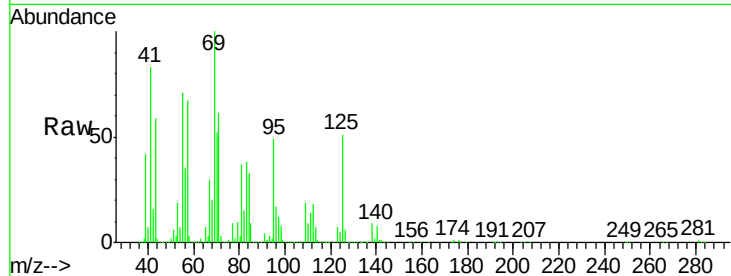
Tot Ion: 95 Resp: 360159

Ion Ratio Lower Upper

95 100

174 4.3 0.0 149.6

176 4.5 0.0 145.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

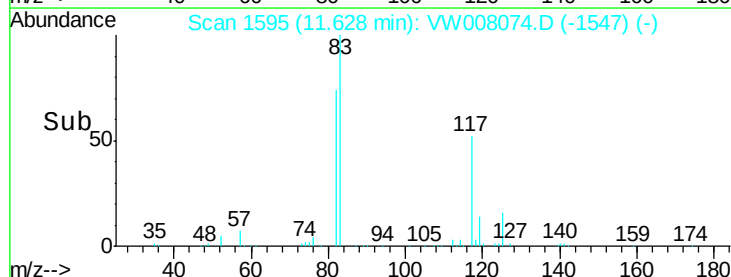
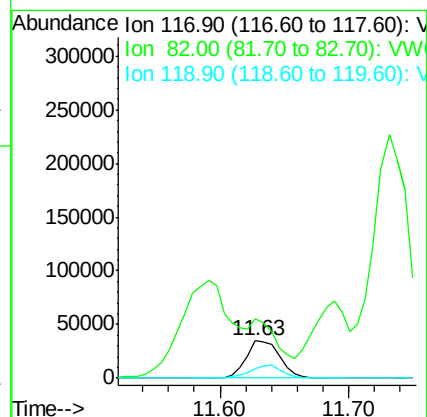
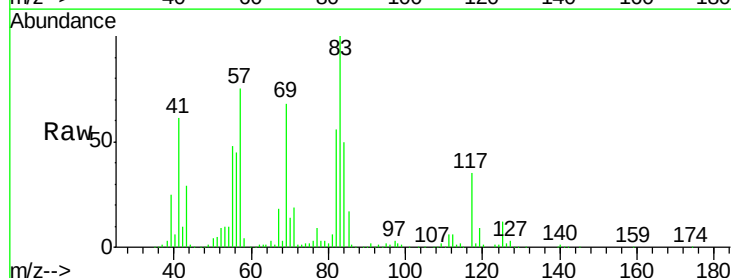
Tgt Ion: 117 Resp: 62715

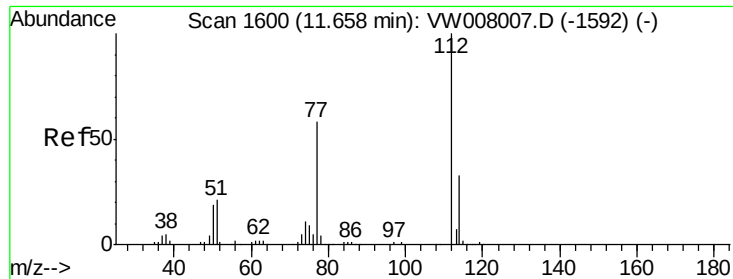
Ion Ratio Lower Upper

117 100

82 0.0 44.8 67.2#

119 26.0 25.6 38.4

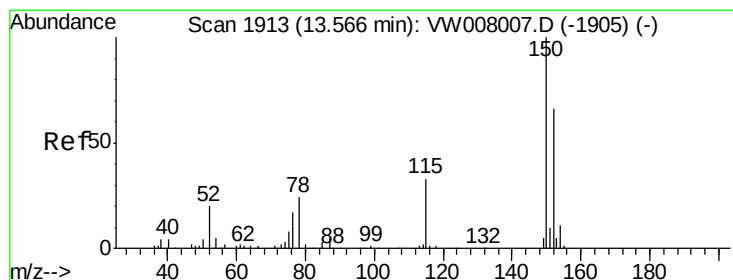
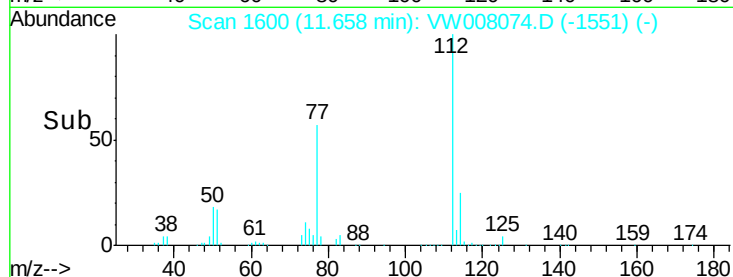
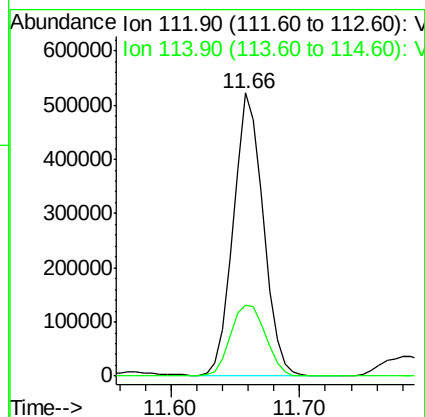
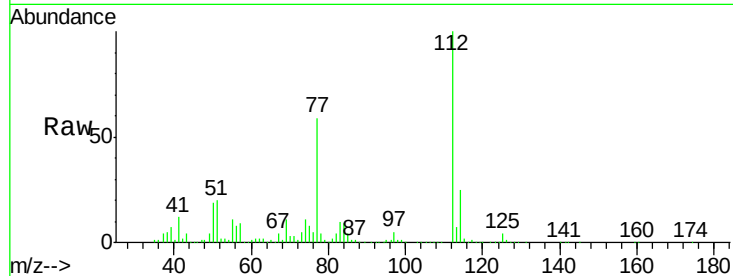




#65
Chlorobenzene
Concen: 630.475 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008074.D
Acq: 07 Jan 2019 17:15

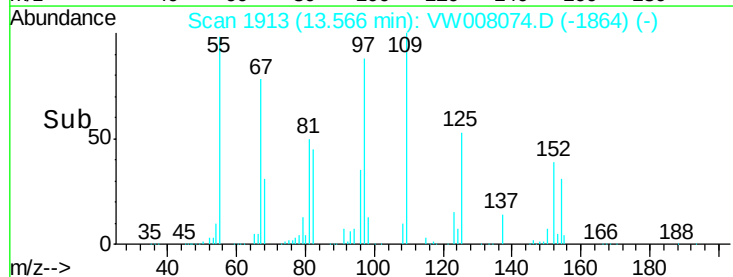
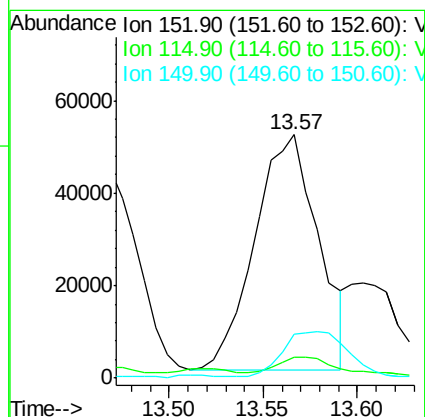
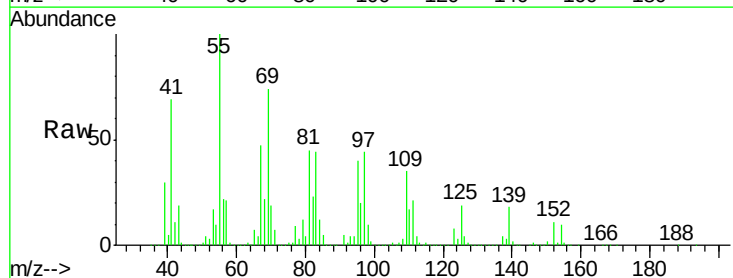
Instrument :
MSVOA_W
ClientSampleId :
CPSB-16(10-15)

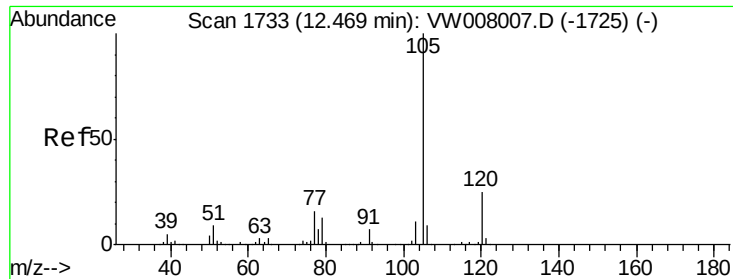
Tot Ion:112 Resp: 845057
Ion Ratio Lower Upper
112 100
114 25.2 26.0 39.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW008074.D
Acq: 07 Jan 2019 17:15

Tgt Ion:152 Resp: 119420
Ion Ratio Lower Upper
152 100
115 0.0 32.1 96.5#
150 20.8 0.0 345.0





#73

Isopropylbenzene

Concen: 236.947 ug/l

RT: 12.48 min Scan# 1735

Delta R.T. 0.01 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

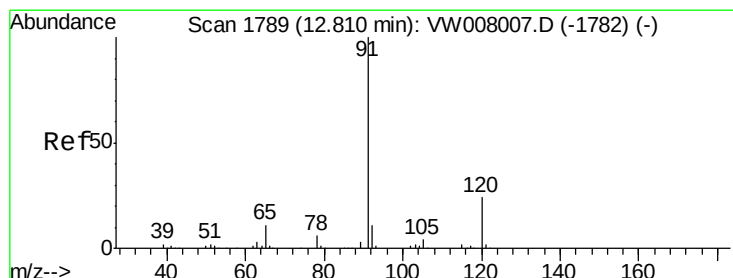
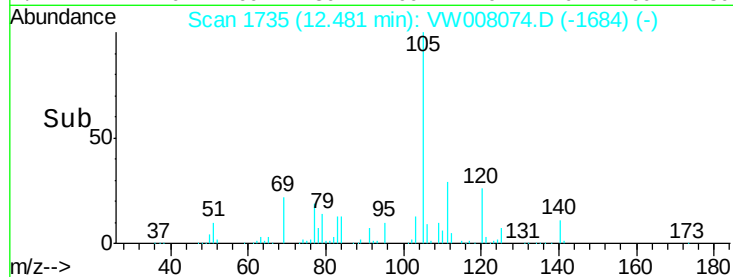
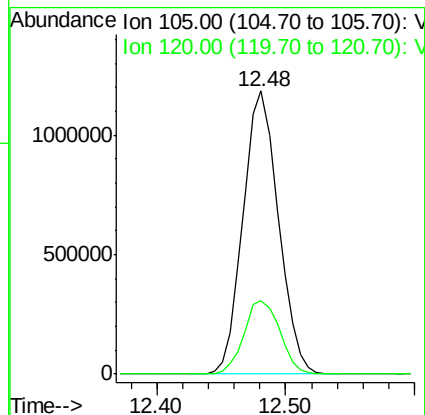
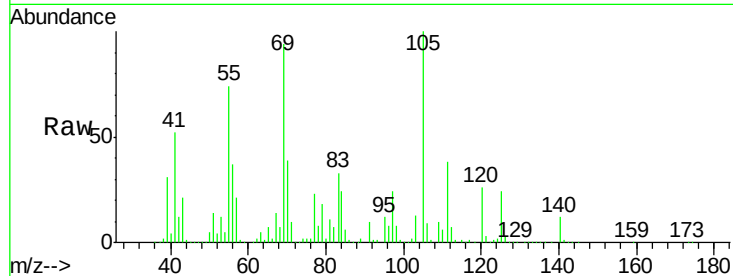
CPSB-16(10-15)

Tot Ion:105 Resp: 2250046

Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.3



#78

n-propylbenzene

Concen: 506.630 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW008074.D

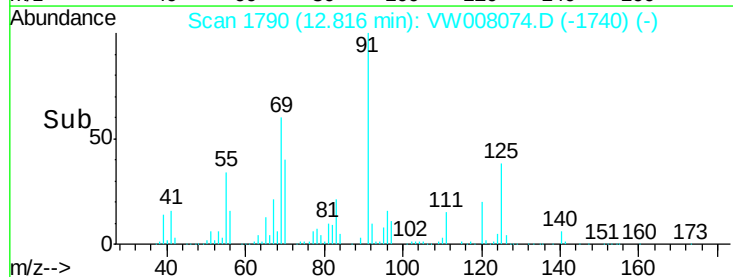
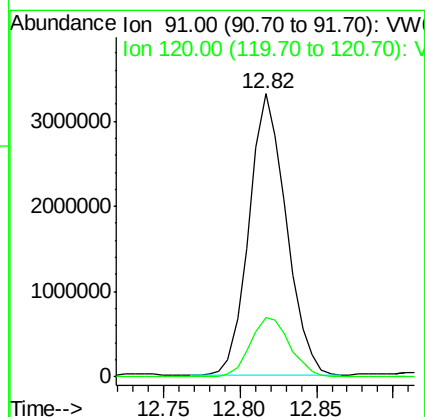
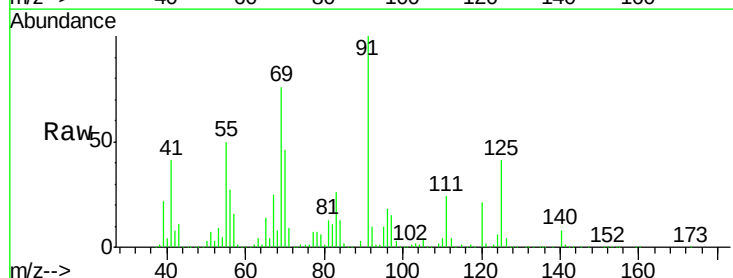
Acq: 07 Jan 2019 17:15

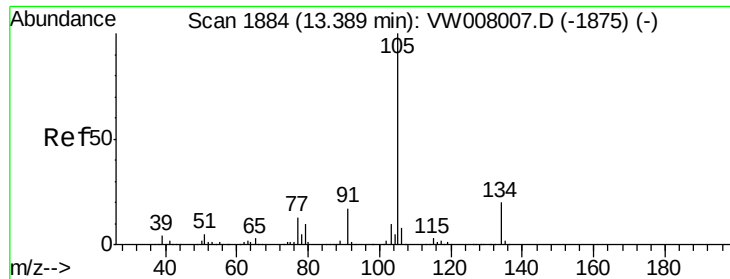
Tgt Ion: 91 Resp: 5577906

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.5





#85

sec-Butylbenzene

Concen: 407.875 ug/l

RT: 13.40 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

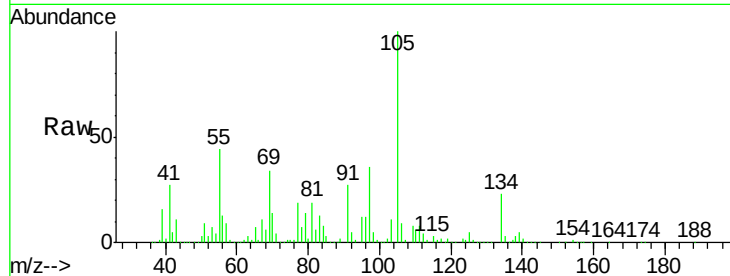
CPSB-16(10-15)

Tot Ion:105 Resp: 4012544

Ion Ratio Lower Upper

105 100

134 26.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500000

2000000

1500000

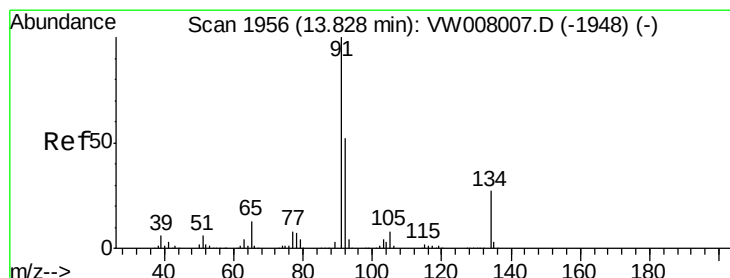
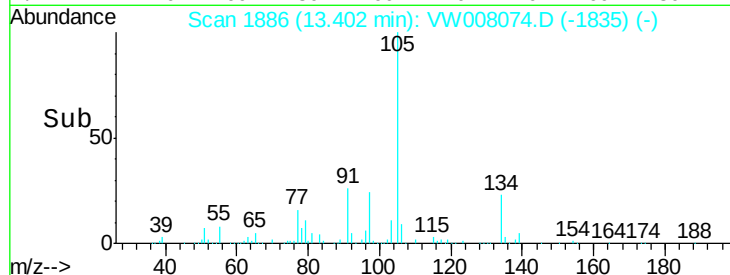
1000000

500000

0

13.30 13.40 13.50

Time-->



#89

n-Butylbenzene

Concen: 183.674 ug/l

RT: 13.84 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VW008074.D

Acq: 07 Jan 2019 17:15

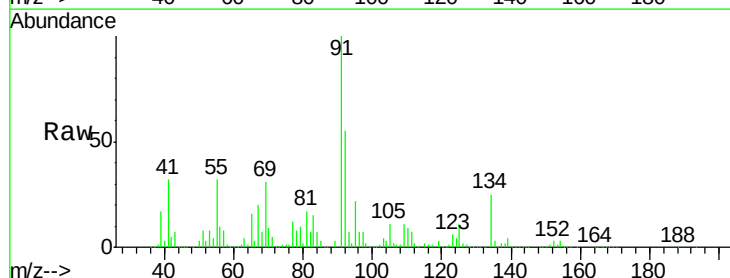
Tgt Ion: 91 Resp: 1490785

Ion Ratio Lower Upper

91 100

92 49.5 26.4 79.2

134 39.7 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

1200000

1000000

800000

600000

400000

200000

0

13.80 13.85

Time-->

