

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008099.D
 Acq On : 09 Jan 2019 13:30
 Operator : SY/AP
 Sample : K1071-02
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-17(20-25)

Quant Time: Jan 10 06:18:24 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	86598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	153868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	136066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63391	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	53445	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	46110	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	10.32	98	194279	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.62	95	65432	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	

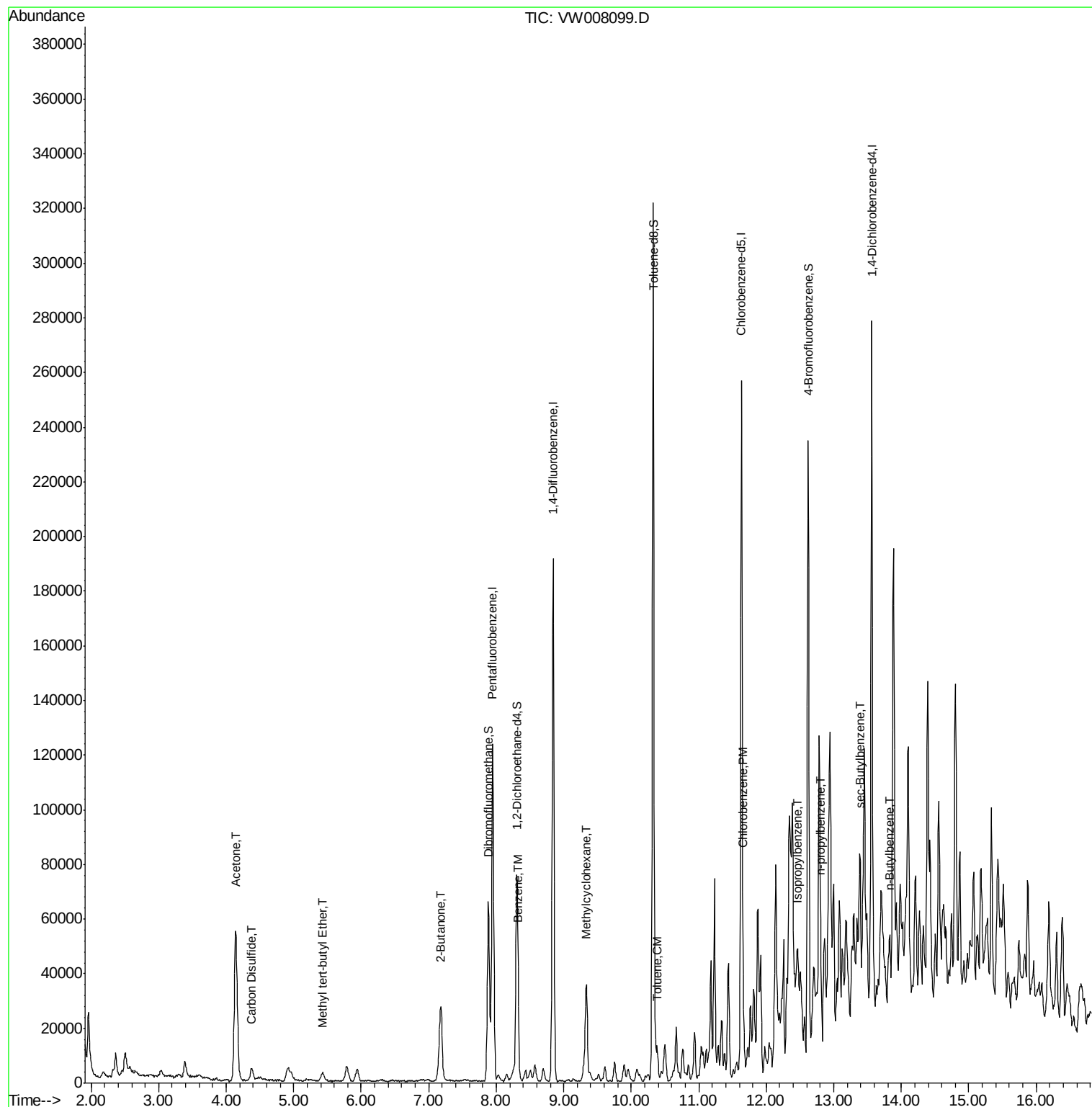
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	112626	680.161	ug/l	94
17) Carbon Disulfide	4.38	76	9693	3.272	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	3601	2.336	ug/l #	81
25) 2-Butanone	7.18	43	42967	158.667	ug/l	98
39) Methylcyclohexane	9.34	83	14119	7.025	ug/l	93
40) Benzene	8.33	78	7983	1.857	ug/l	98
52) Toluene	10.38	92	4632	1.687	ug/l	97
65) Chlorobenzene	11.66	112	8522	2.956	ug/l	96
73) Isopropylbenzene	12.47	105	9566	1.922	ug/l	99
78) n-propylbenzene	12.81	91	18640	3.057	ug/l	100
85) sec-Butylbenzene	13.39	105	22528	4.251	ug/l	85
89) n-Butylbenzene	13.83	91	9698	2.163	ug/l #	85

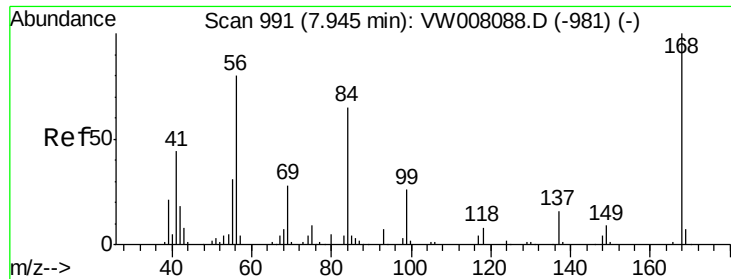
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

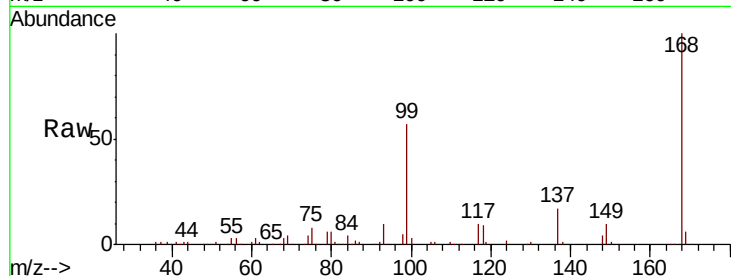
CPSB-17(20-25)

Tot Ion:168 Resp: 86598

Ion Ratio Lower Upper

168 100

99 57.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

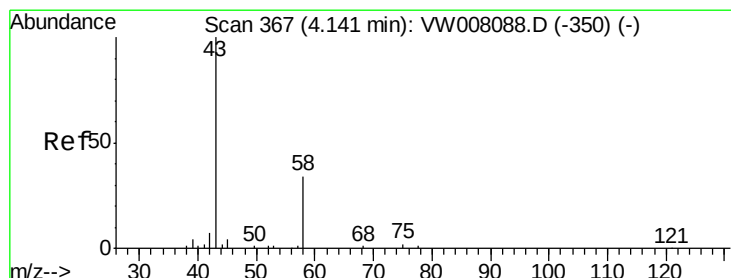
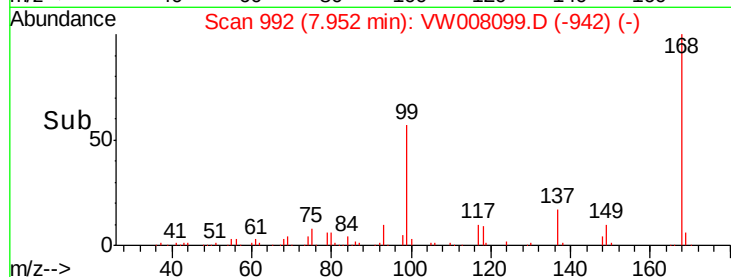
20000

10000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 680.161 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008099.D

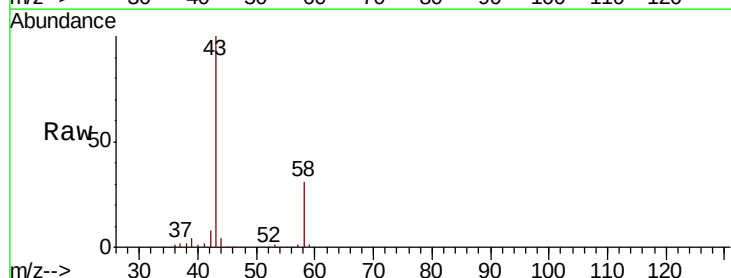
Acq: 09 Jan 2019 13:30

Tgt Ion: 43 Resp: 112626

Ion Ratio Lower Upper

43 100

58 30.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

40000

30000

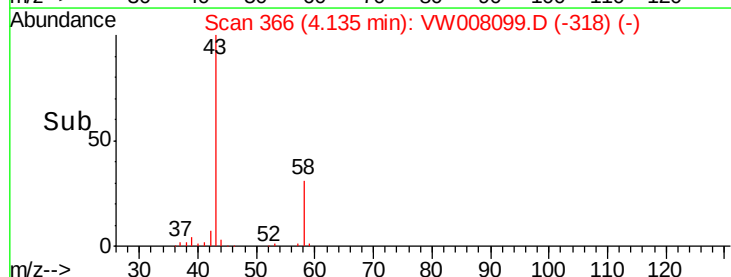
20000

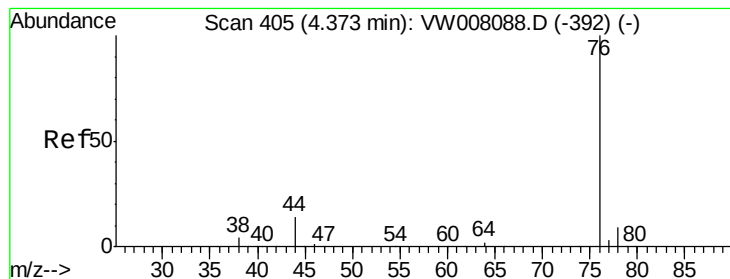
10000

0

4.00 4.10 4.20 4.30

Time-->





#17

Carbon Disulfide

Concen: 3.272 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

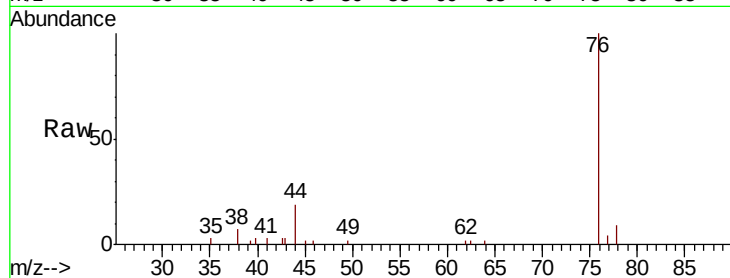
CPSB-17(20-25)

Tot Ion: 76 Resp: 9693

Ion Ratio Lower Upper

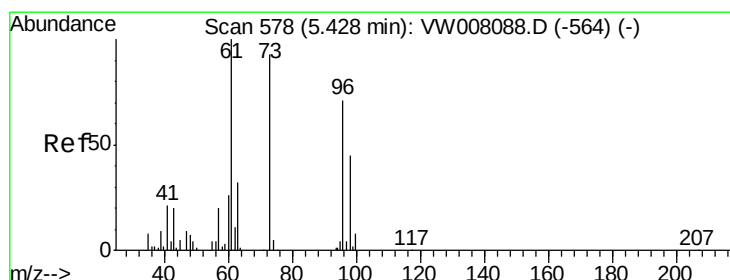
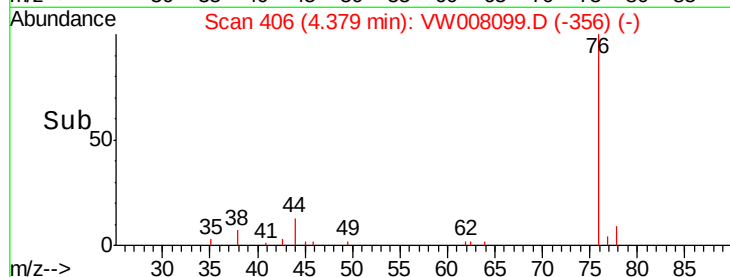
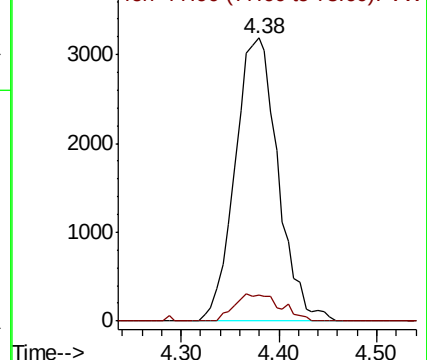
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#19

Methyl tert-butyl Ether

Concen: 2.336 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW008099.D

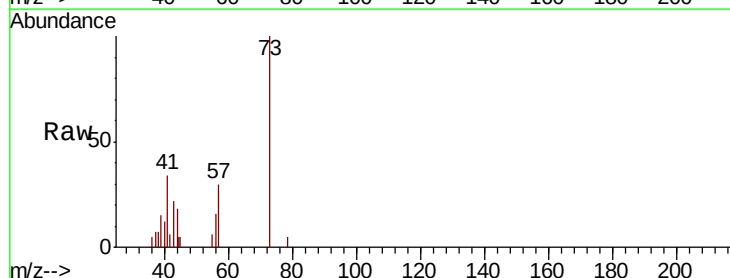
Acq: 09 Jan 2019 13:30

Tgt Ion: 73 Resp: 3601

Ion Ratio Lower Upper

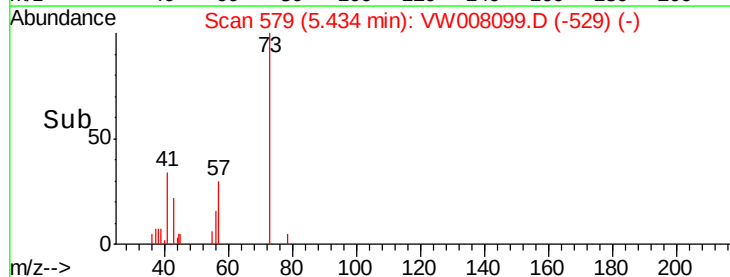
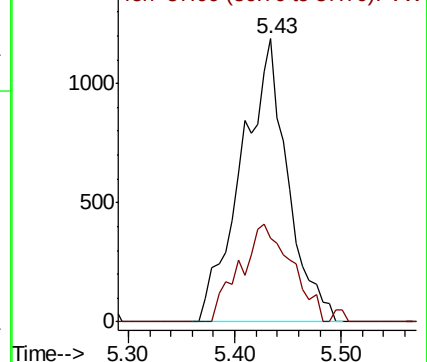
73 100

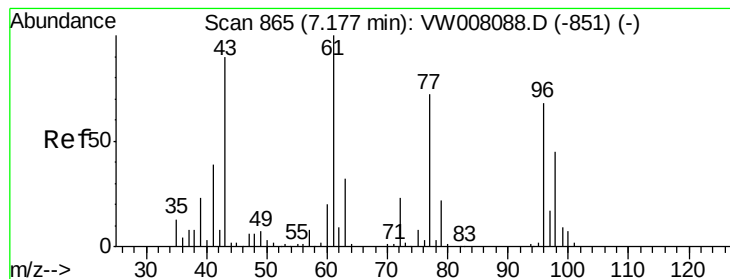
57 29.7 16.7 25.1#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW





#25

2-Butanone

Concen: 158.667 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

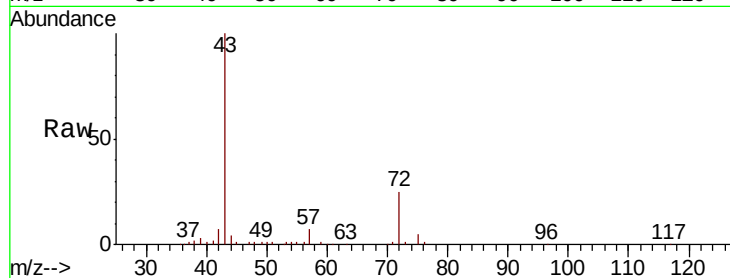
CPSB-17(20-25)

Tot Ion: 43 Resp: 42967

Ion Ratio Lower Upper

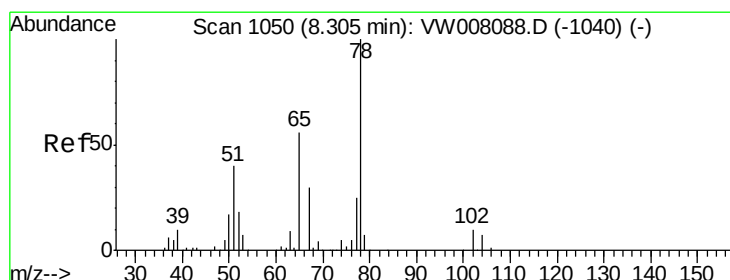
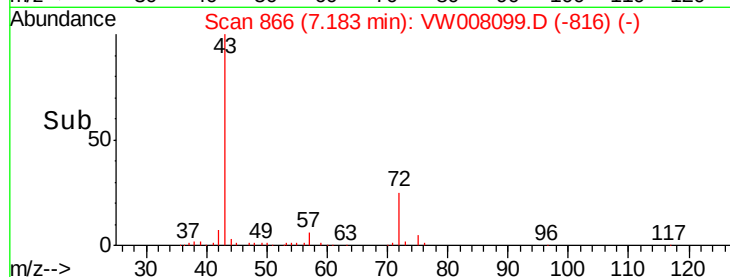
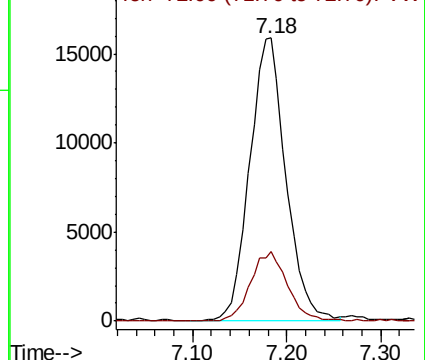
43 100

72 24.7 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 54.912 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008099.D

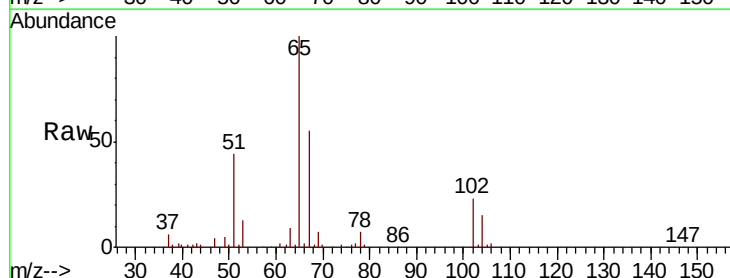
Acq: 09 Jan 2019 13:30

Tgt Ion: 65 Resp: 53445

Ion Ratio Lower Upper

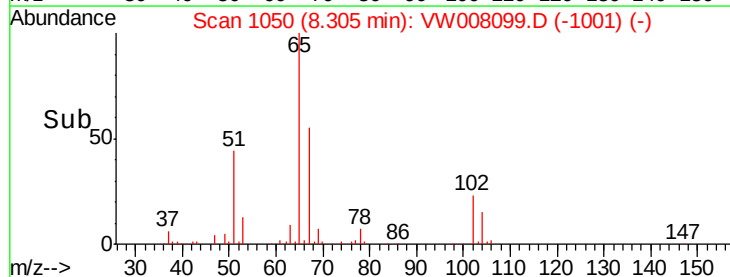
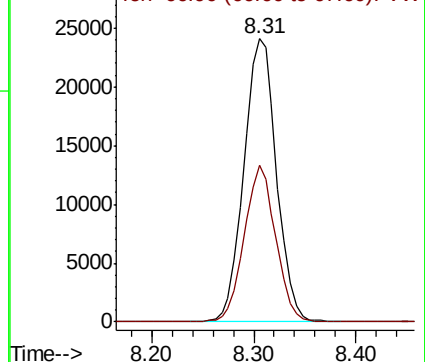
65 100

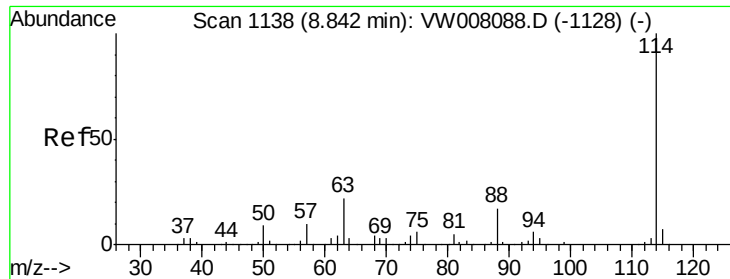
67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

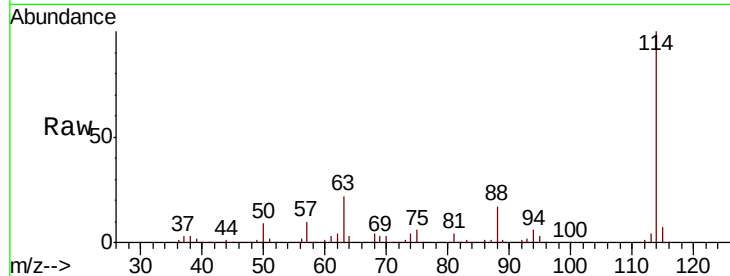




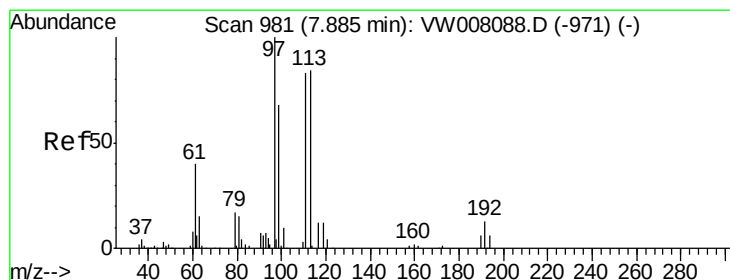
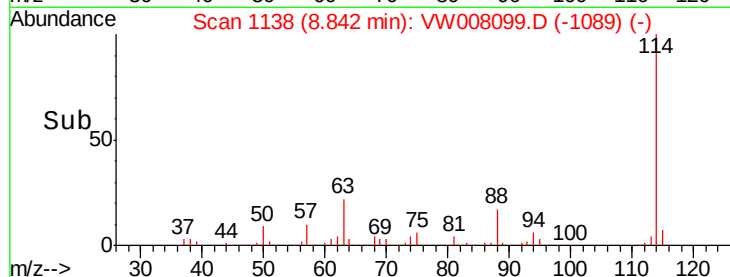
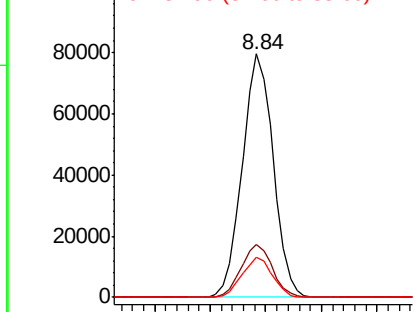
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008099.D
Acq: 09 Jan 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
CPSB-17(20-25)

Tot Ion:114 Resp: 153868
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.4
88 16.5 0.0 33.4

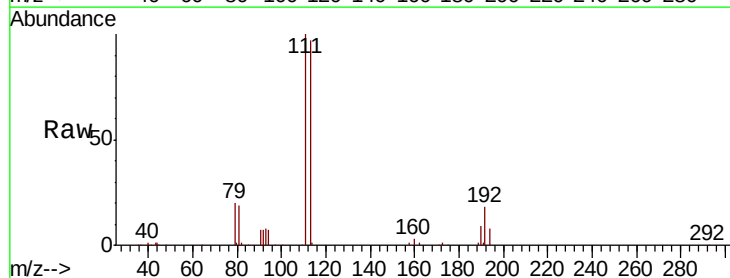


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

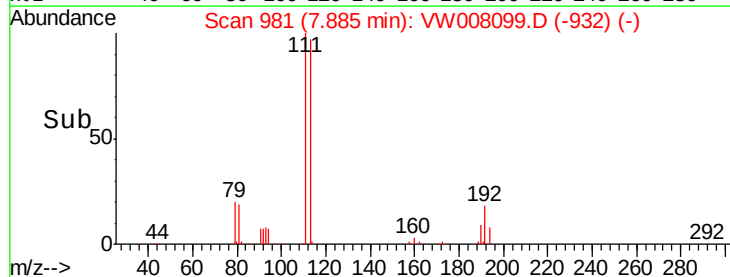
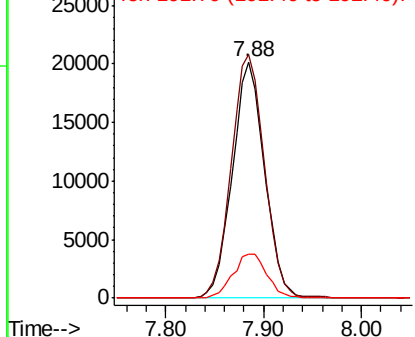


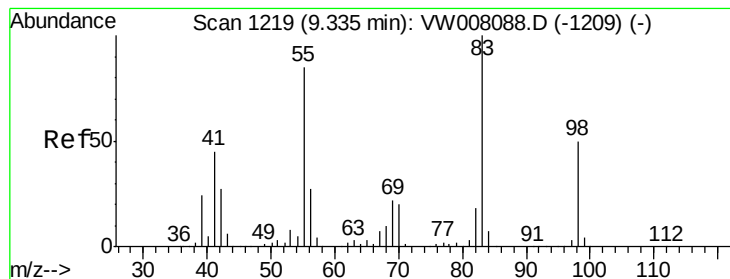
#35
Dibromofluoromethane
Concen: 51.381 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008099.D
Acq: 09 Jan 2019 13:30

Tgt Ion:113 Resp: 46110
Ion Ratio Lower Upper
113 100
111 106.3 81.8 122.8
192 19.5 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: 7.025 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

CPSB-17(20-25)

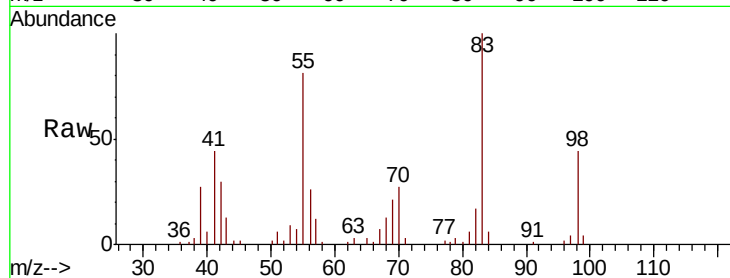
Tot Ion: 83 Resp: 14119

Ion Ratio Lower Upper

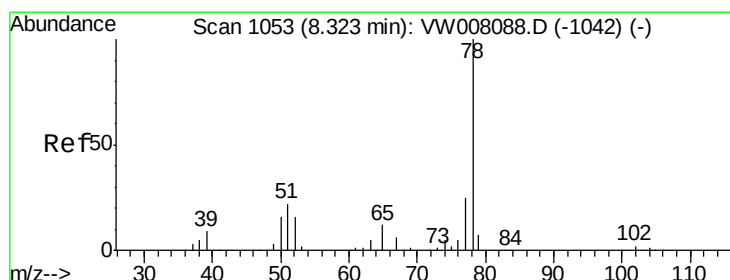
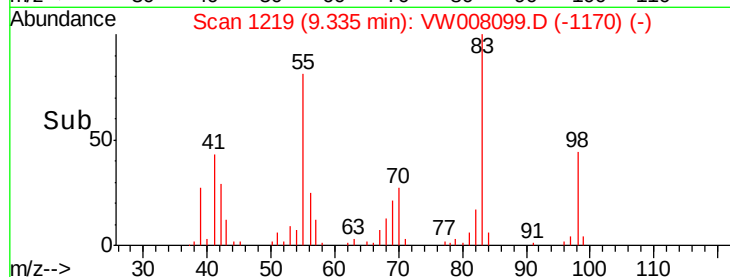
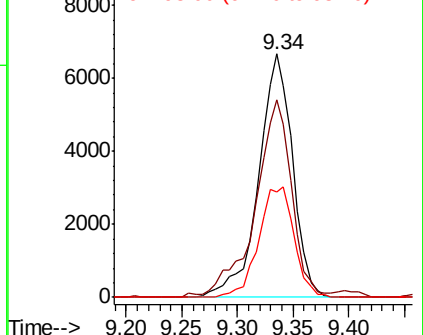
83 100

55 79.2 67.8 101.6

98 43.5 40.2 60.4



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: 1.857 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW008099.D

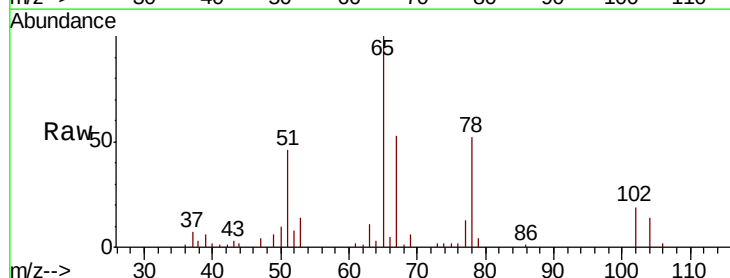
Acq: 09 Jan 2019 13:30

Tgt Ion: 78 Resp: 7983

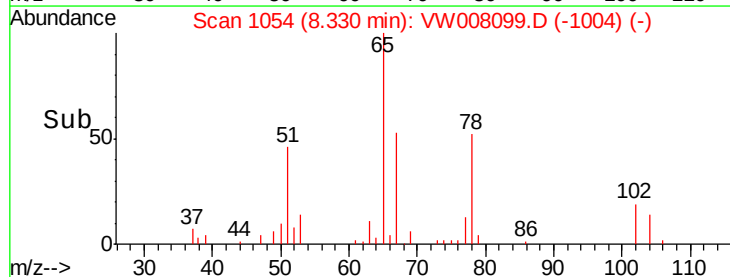
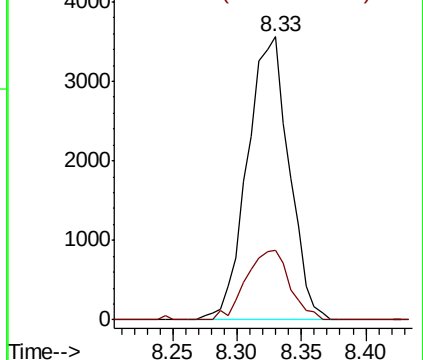
Ion Ratio Lower Upper

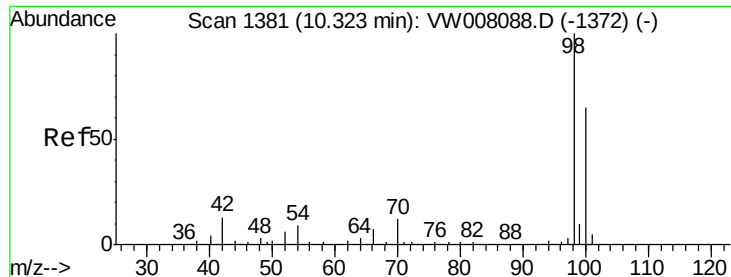
78 100

77 24.5 20.2 30.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

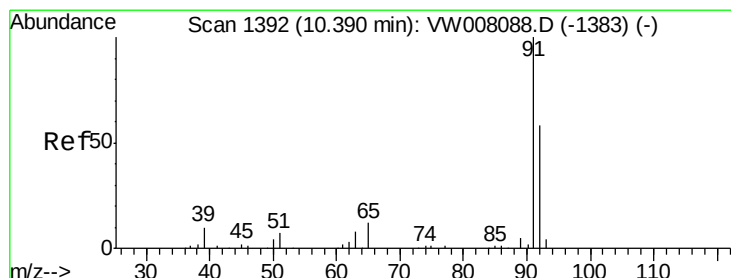
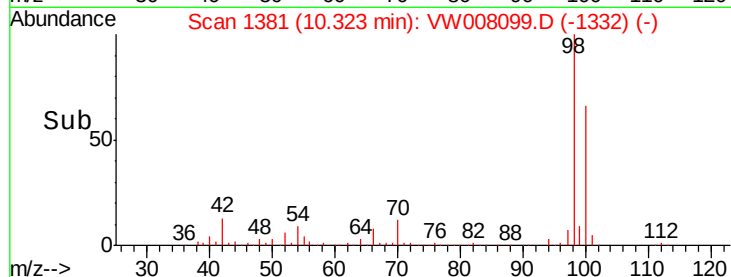
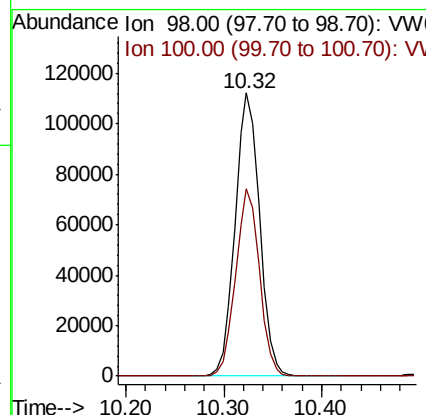
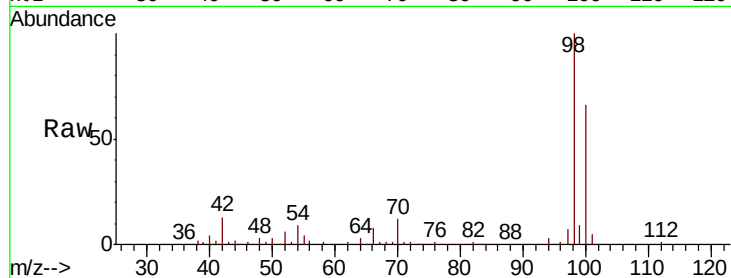




#50
Toluene-d8
Concen: 51.589 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008099.D
Acq: 09 Jan 2019 13:30

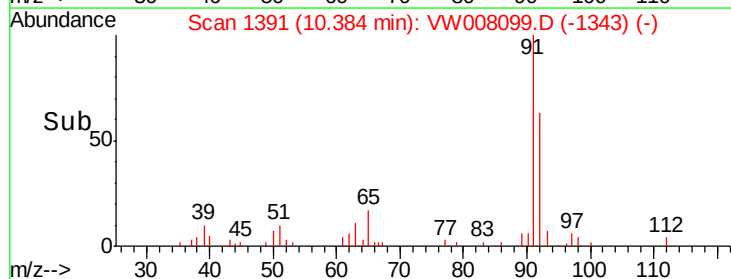
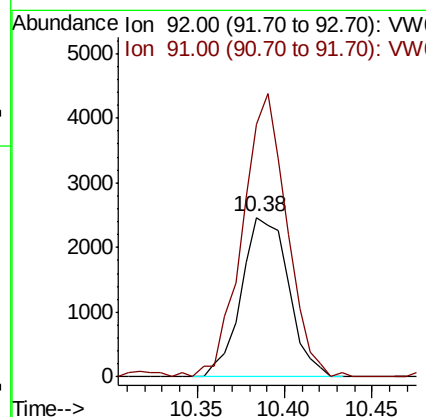
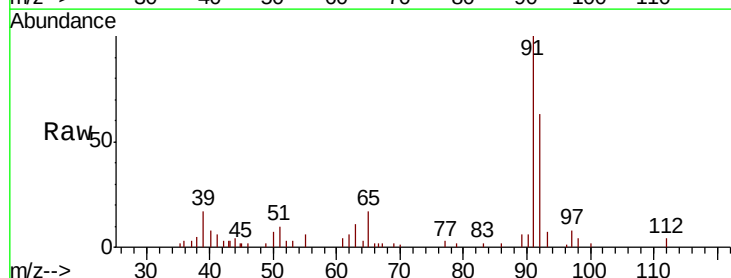
Instrument :
MSVOA_W
ClientSampleId :
CPSB-17(20-25)

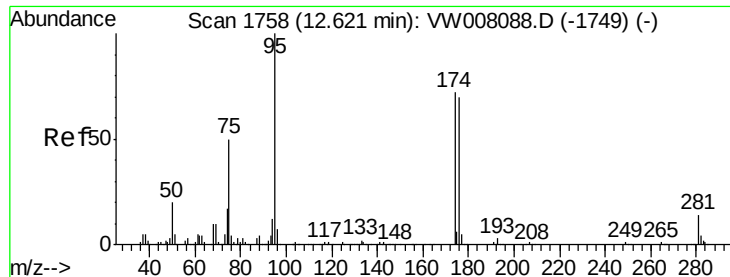
Tot Ion: 98 Resp: 194279
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#52
Toluene
Concen: 1.687 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008099.D
Acq: 09 Jan 2019 13:30

Tgt Ion: 92 Resp: 4632
Ion Ratio Lower Upper
92 100
91 166.9 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 48.466 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

CPSB-17(20-25)

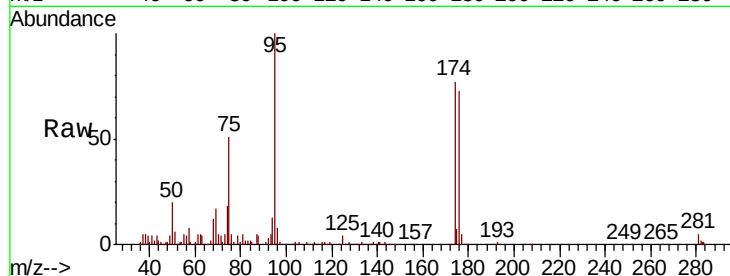
Tot Ion: 95 Resp: 65432

Ion Ratio Lower Upper

95 100

174 76.5 0.0 143.0

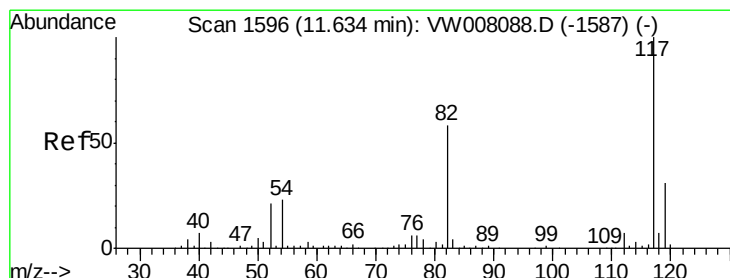
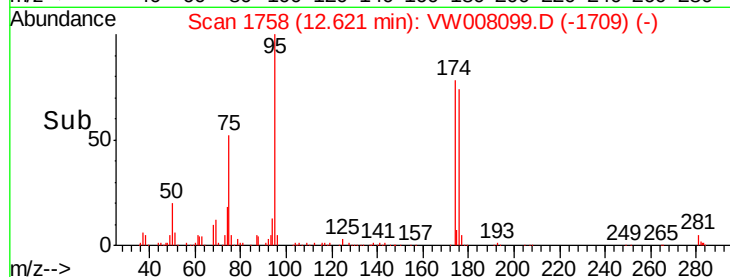
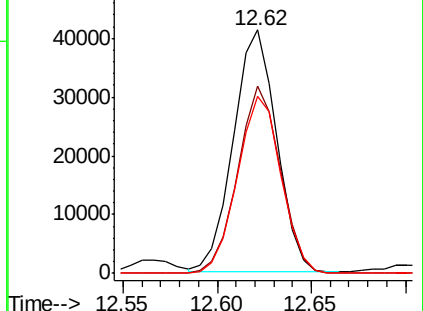
176 74.0 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

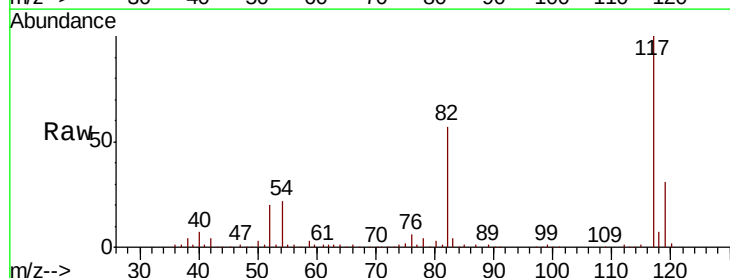
Tgt Ion: 117 Resp: 136066

Ion Ratio Lower Upper

117 100

82 56.5 46.4 69.6

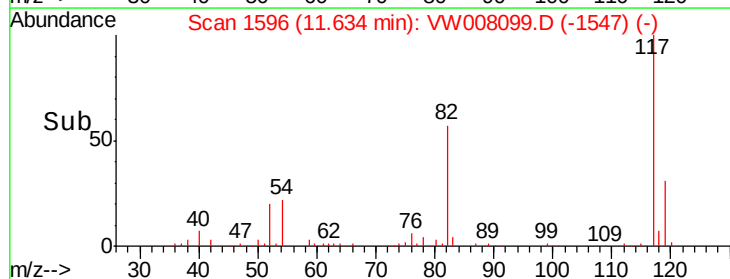
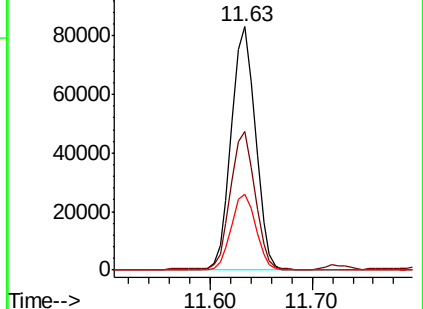
119 31.2 24.7 37.1

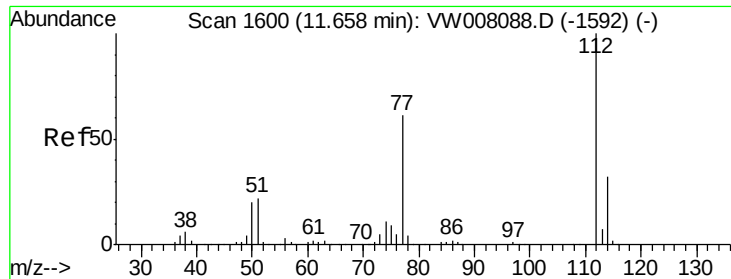


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

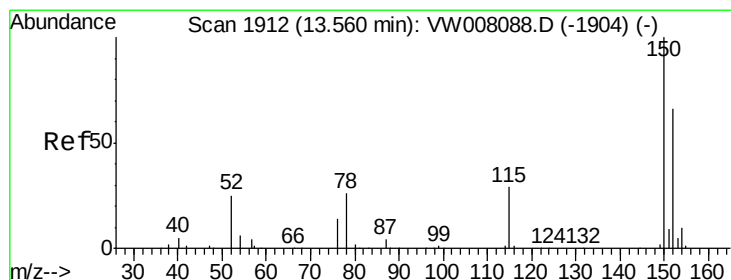
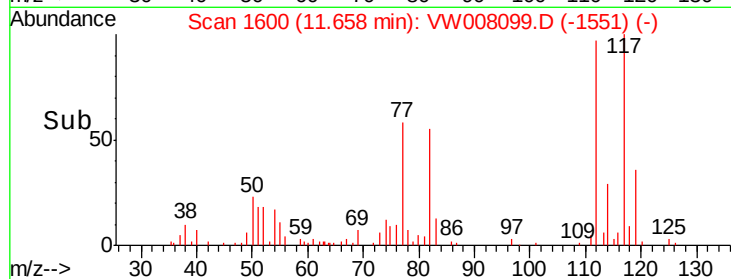
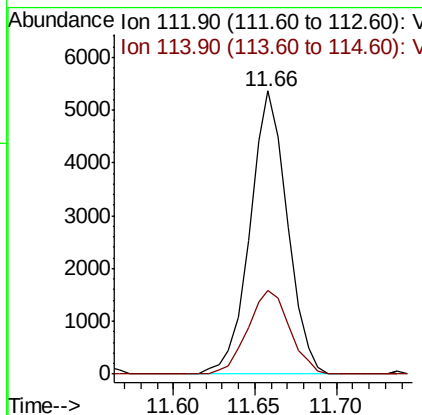
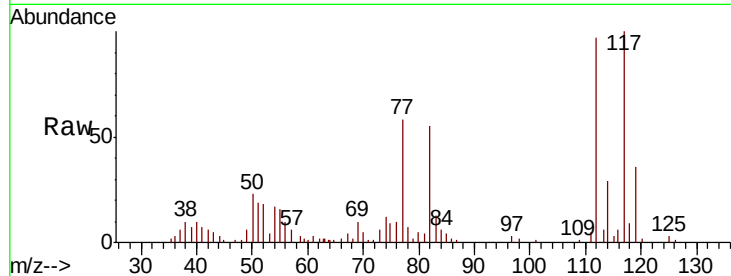




#65
Chlorobenzene
Concen: 2.956 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008099.D
Acq: 09 Jan 2019 13:30

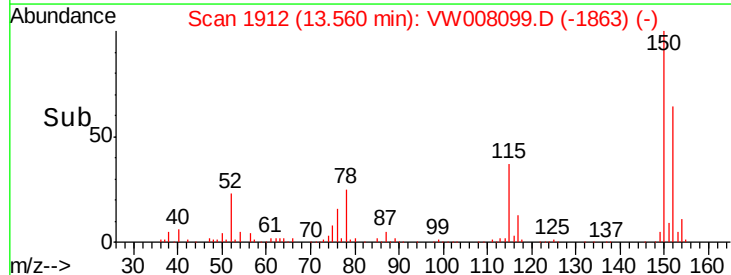
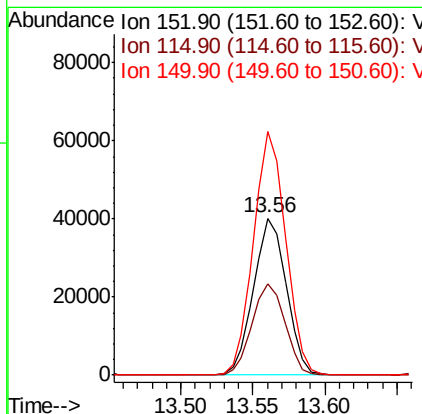
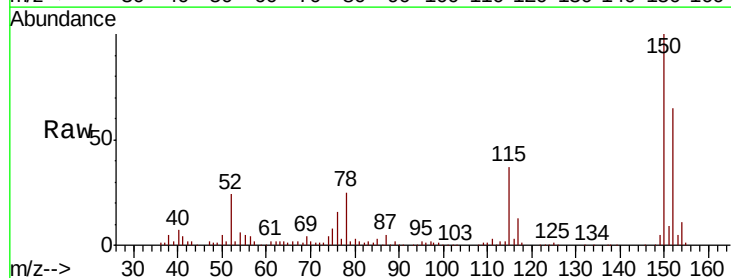
Instrument :
MSVOA_W
ClientSampleId :
CPSB-17(20-25)

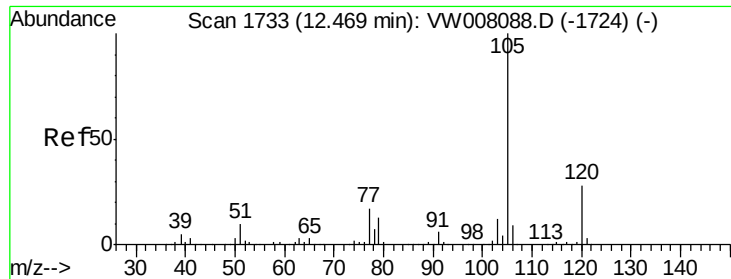
Tot Ion:112 Resp: 8522
Ion Ratio Lower Upper
112 100
114 29.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008099.D
Acq: 09 Jan 2019 13:30

Tgt Ion:152 Resp: 63391
Ion Ratio Lower Upper
152 100
115 58.5 30.8 92.4
150 152.4 0.0 350.2





#73

Isopropylbenzene

Concen: 1.922 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

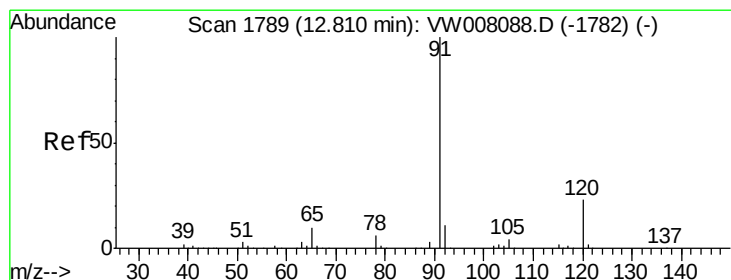
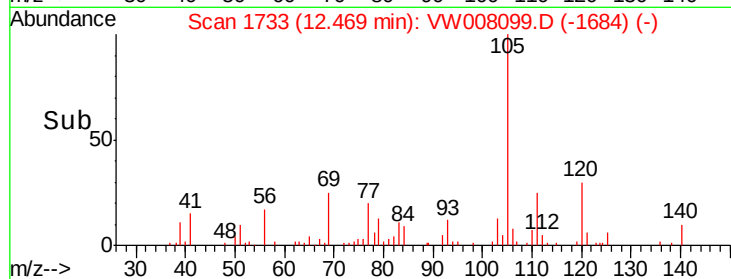
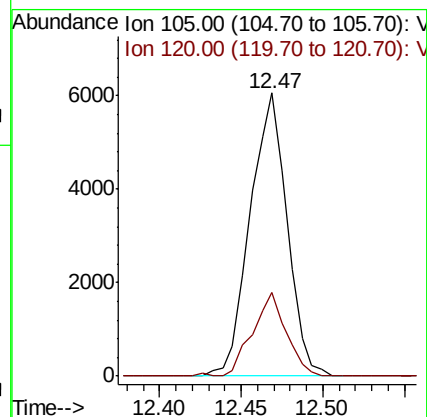
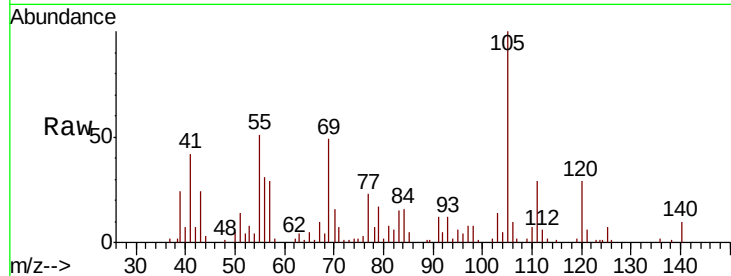
CPSB-17(20-25)

Tot Ion:105 Resp: 9566

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.8



#78

n-propylbenzene

Concen: 3.057 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008099.D

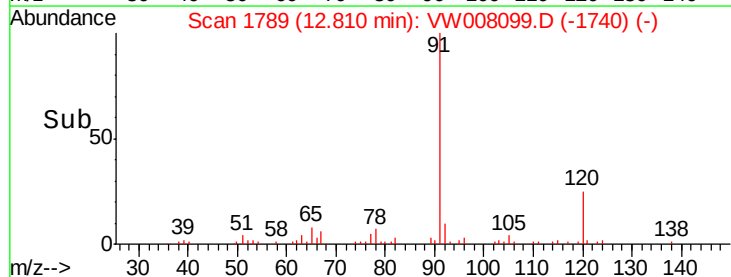
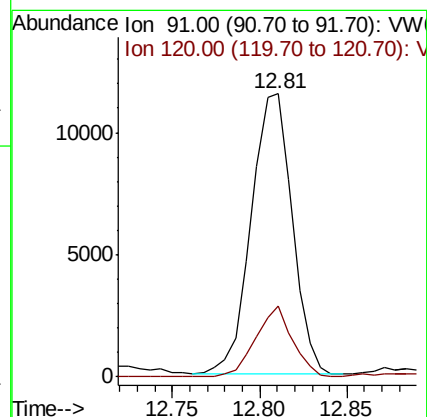
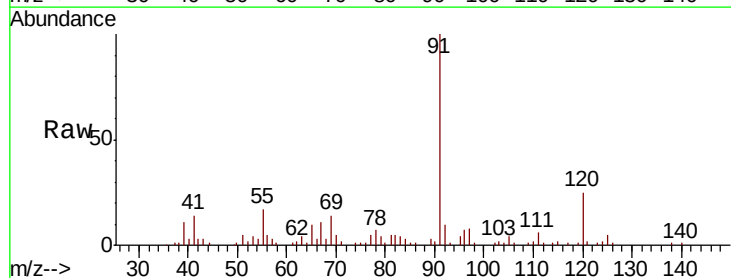
Acq: 09 Jan 2019 13:30

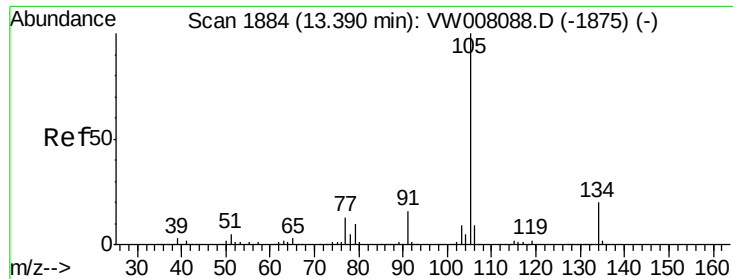
Tgt Ion: 91 Resp: 18640

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.8





#85

sec-Butylbenzene

Concen: 4.251 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

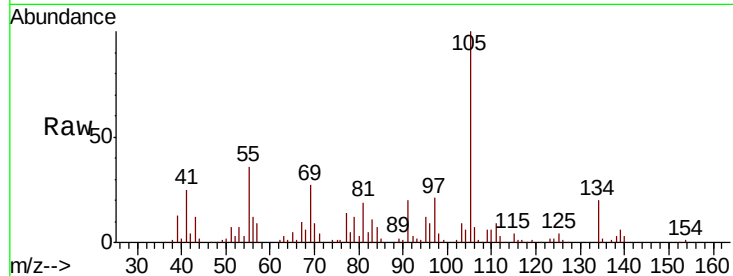
CPSB-17(20-25)

Tot Ion:105 Resp: 22528

Ion Ratio Lower Upper

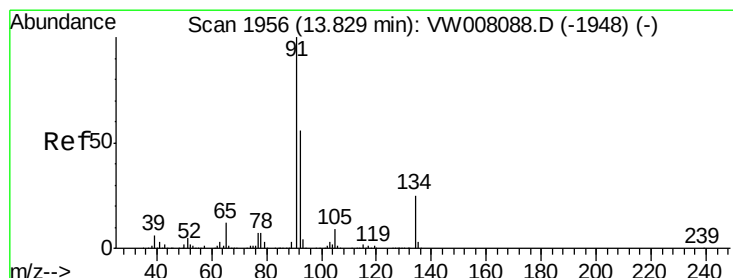
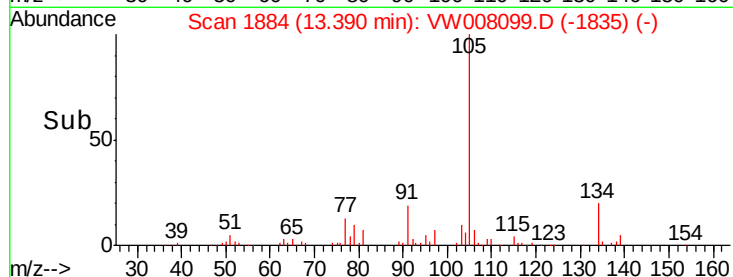
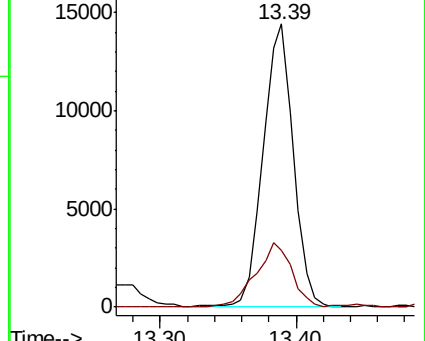
105 100

134 27.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 2.163 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008099.D

Acq: 09 Jan 2019 13:30

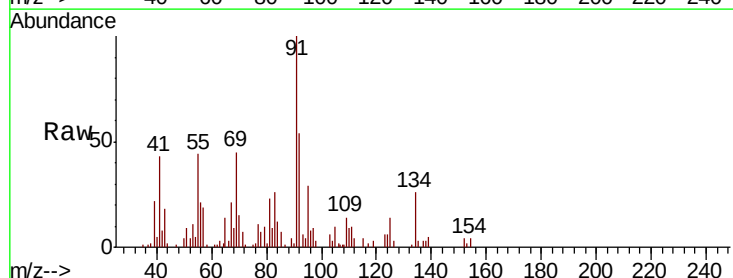
Tgt Ion: 91 Resp: 9698

Ion Ratio Lower Upper

91 100

92 56.6 27.4 82.2

134 46.5 12.6 37.8#



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

