

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008073.D
 Acq On : 07 Jan 2019 16:48
 Operator : SY/AP
 Sample : K1071-02
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jan 08 04:37:43 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	68821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	113262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	95520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	42579	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	42877	56.33	ug/l	0.00
Spiked Amount			Recovery	=	112.66%	
35) Dibromofluoromethane	7.88	113	35252	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.32	98	132367	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.62	95	44032	42.87	ug/l	0.00
Spiked Amount			Recovery	=	85.74%	

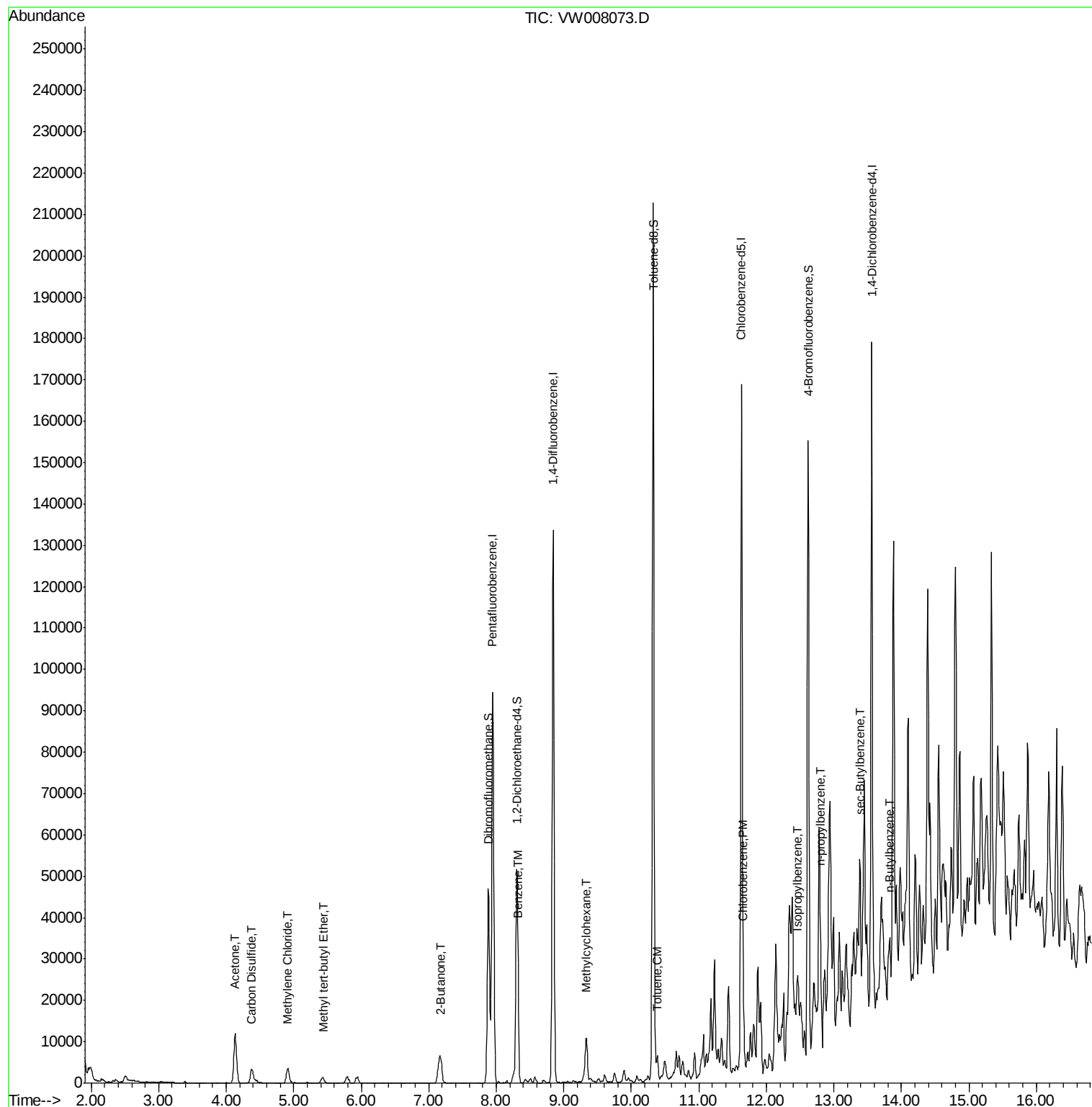
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	22300	189.254	ug/l	96
17) Carbon Disulfide	4.37	76	8261	3.914	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	2255	2.074	ug/l #	83
20) Methylene Chloride	4.92	84	2989	1.823	ug/l	90
25) 2-Butanone	7.18	43	8561	61.665	ug/l	92
39) Methylcyclohexane	9.34	83	4833	3.470	ug/l	92
40) Benzene	8.33	78	4388	1.489	ug/l	93
52) Toluene	10.39	92	2451	1.260	ug/l	89
65) Chlorobenzene	11.66	112	6608	3.237	ug/l	99
73) Isopropylbenzene	12.47	105	6283	1.856	ug/l	97
78) n-propylbenzene	12.80	91	11900	3.031	ug/l	96
85) sec-Butylbenzene	13.38	105	14039	4.002	ug/l	81
89) n-Butylbenzene	13.83	91	6492	2.243	ug/l #	82

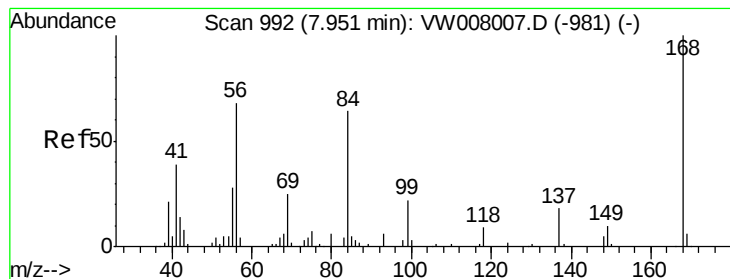
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

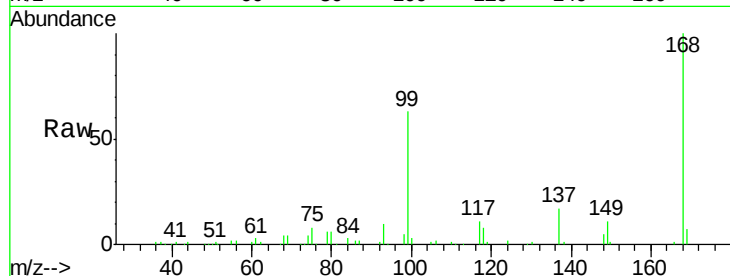
CPSB-17(20-25)

Tot Ion:168 Resp: 68821

Ion Ratio Lower Upper

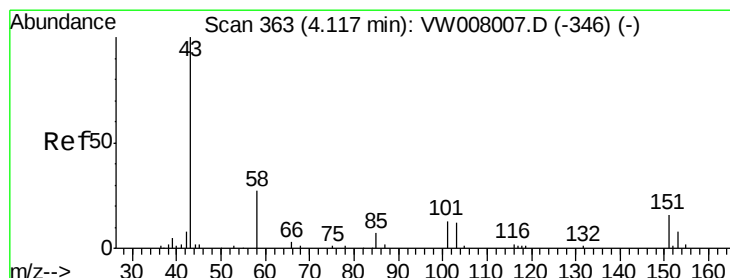
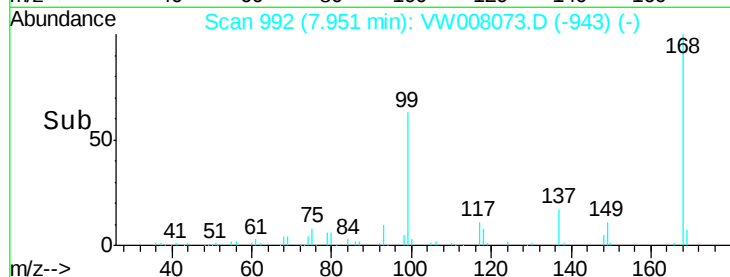
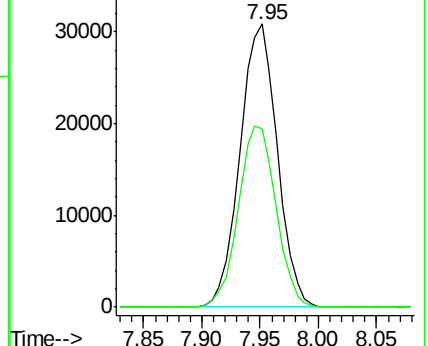
168 100

99 63.0 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: 189.254 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008073.D

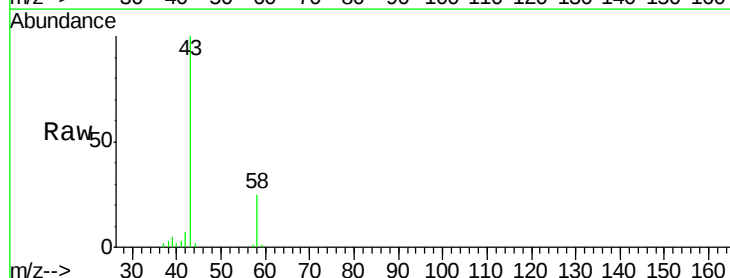
Acq: 07 Jan 2019 16:48

Tgt Ion: 43 Resp: 22300

Ion Ratio Lower Upper

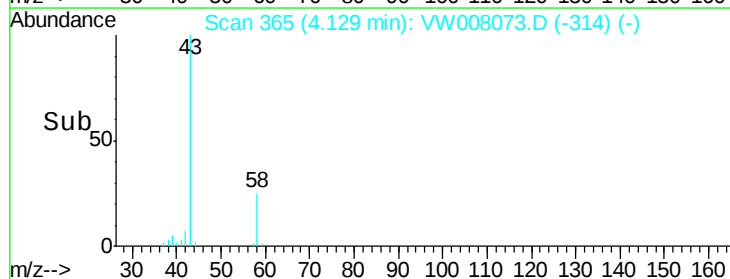
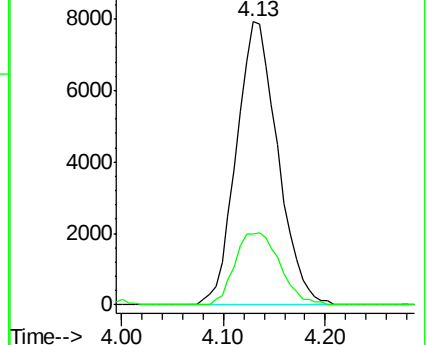
43 100

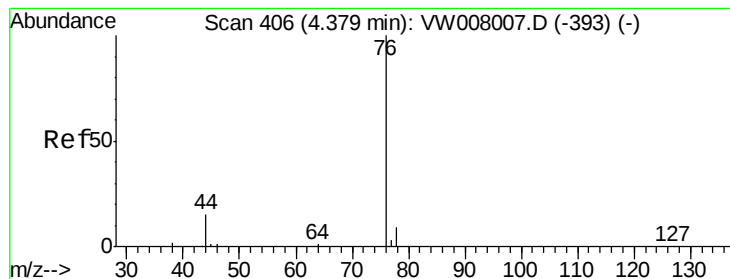
58 25.2 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 3.914 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

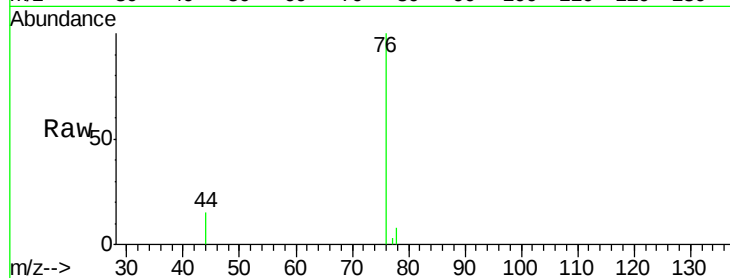
CPSB-17(20-25)

Tot Ion: 76 Resp: 8261

Ion Ratio Lower Upper

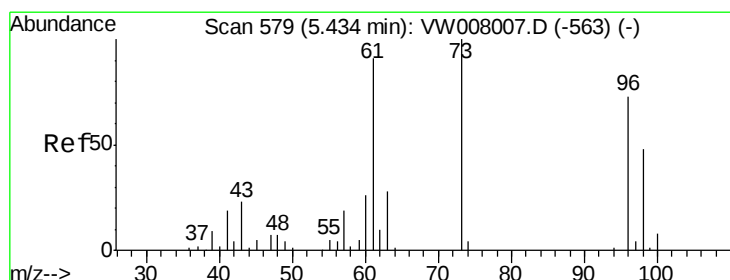
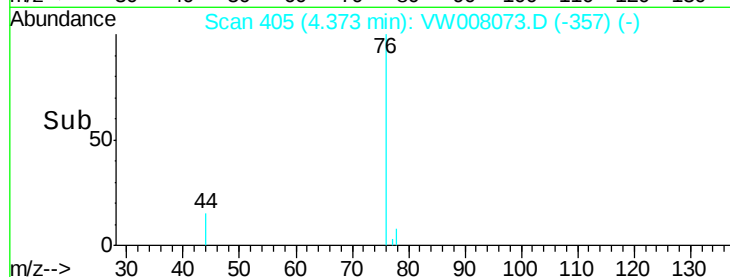
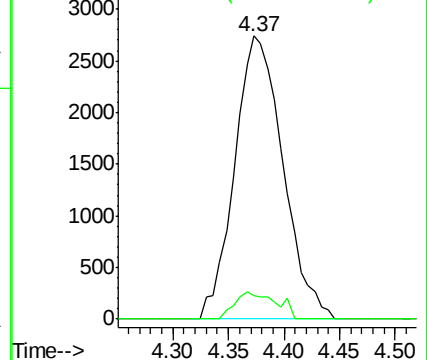
76 100

78 8.4 7.0 10.4



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: 2.074 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW008073.D

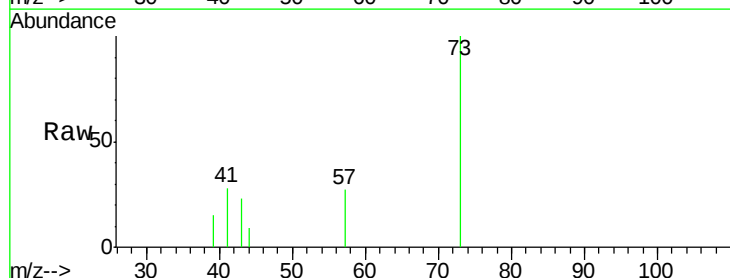
Acq: 07 Jan 2019 16:48

Tgt Ion: 73 Resp: 2255

Ion Ratio Lower Upper

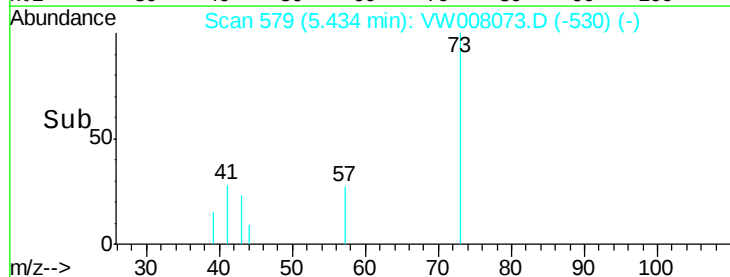
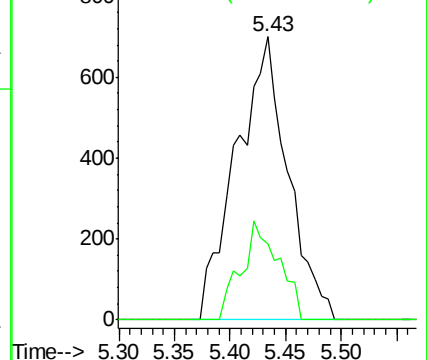
73 100

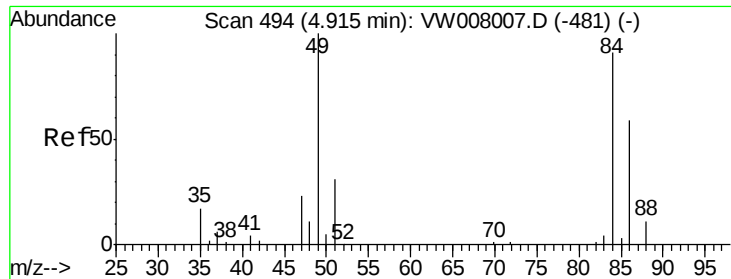
57 26.7 15.4 23.0#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

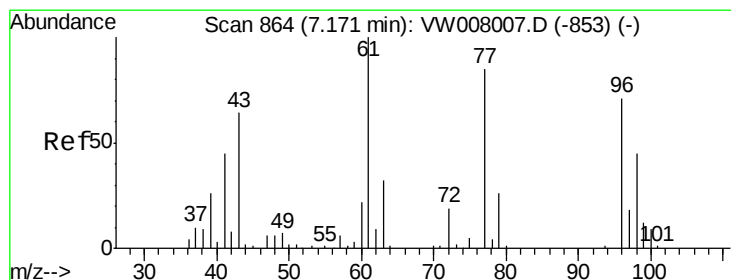
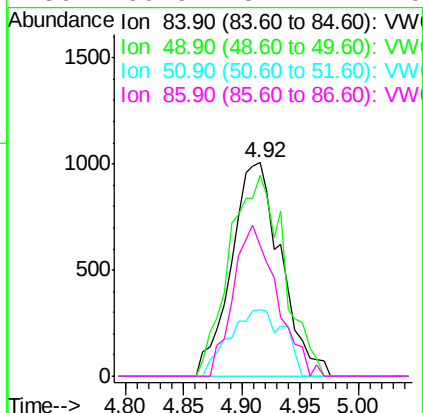
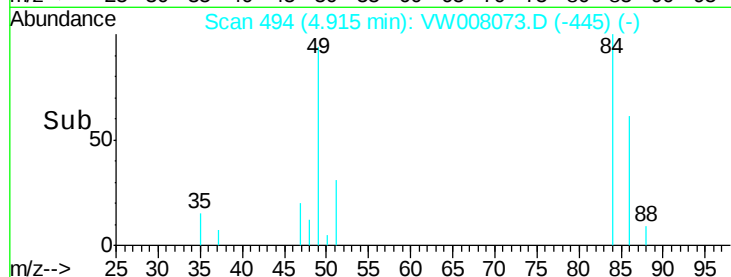
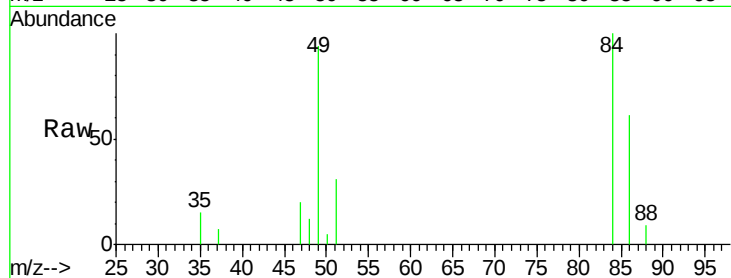




#20
Methvlene Chloride
Concen: 1.823 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008073.D
Acq: 07 Jan 2019 16:48

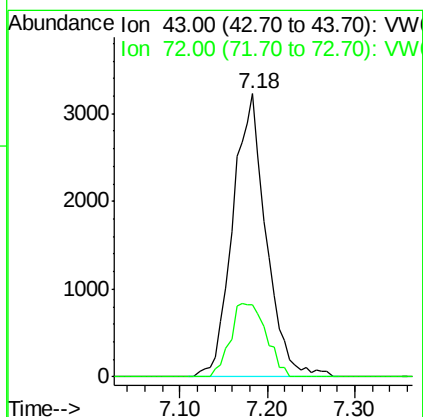
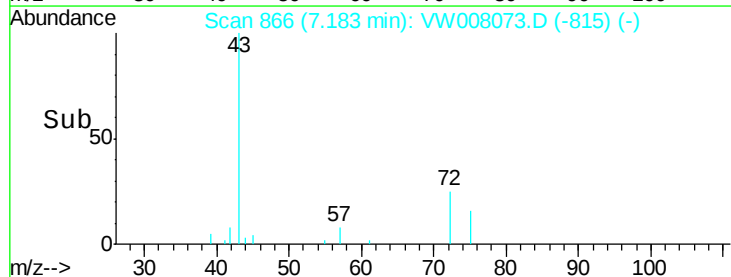
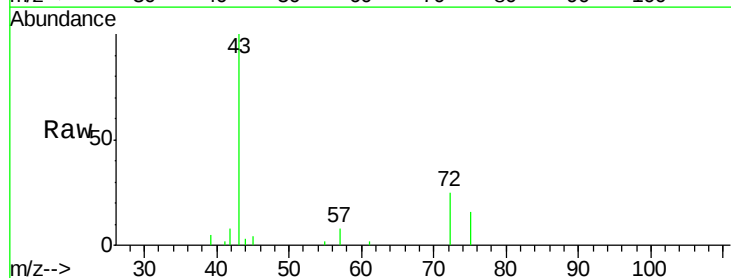
Instrument :
MSVOA_W
ClientSampleId :
CPSB-17(20-25)

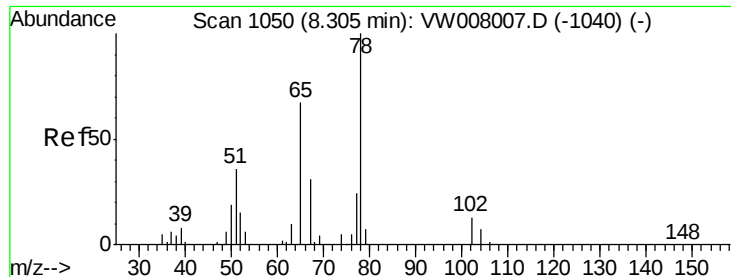
Tot Ion:	84	Resp:	2989
Ion	Ratio	Lower	Upper
84	100		
49	94.2	87.7	131.5
51	31.1	27.3	40.9
86	60.9	51.4	77.0



#25
2-Butanone
Concen: 61.665 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008073.D
Acq: 07 Jan 2019 16:48

Tgt Ion:	43	Resp:	8561
Ion	Ratio	Lower	Upper
43	100		
72	25.4	23.8	35.8





#33

1,2-Dichloroethane-d4

Concen: 56.328 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

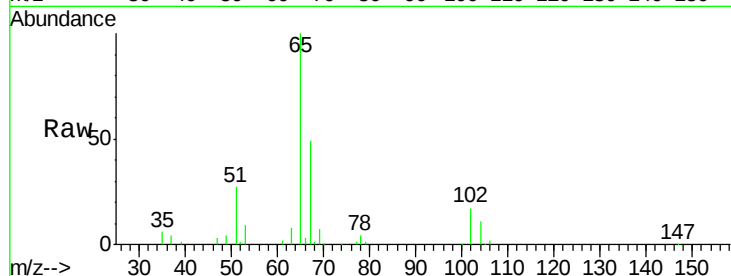
CPSB-17(20-25)

Tot Ion: 65 Resp: 42877

Ion Ratio Lower Upper

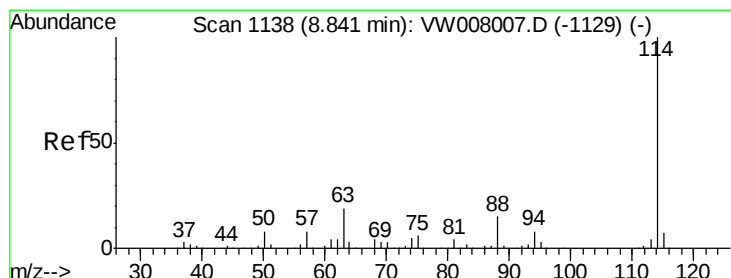
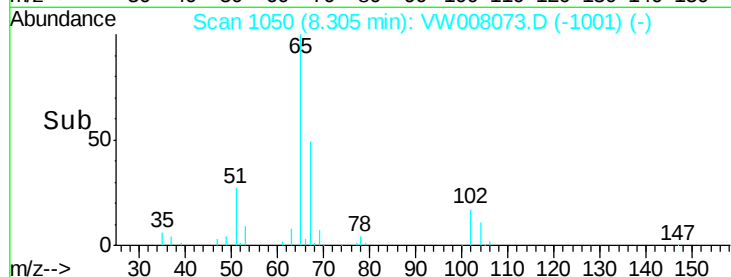
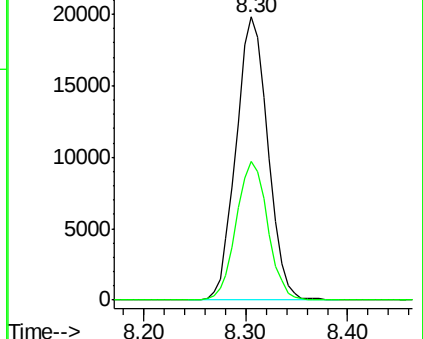
65 100

67 48.5 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: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

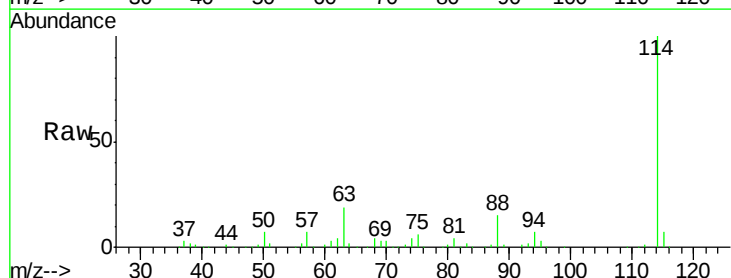
Tgt Ion: 114 Resp: 113262

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.8

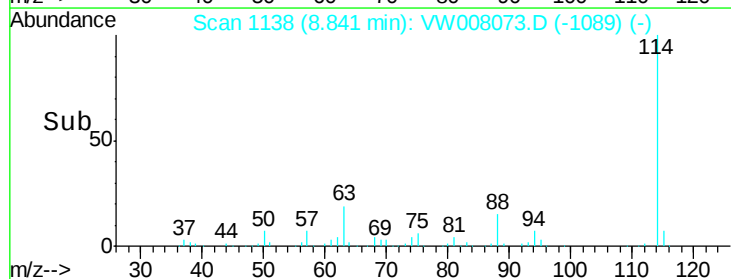
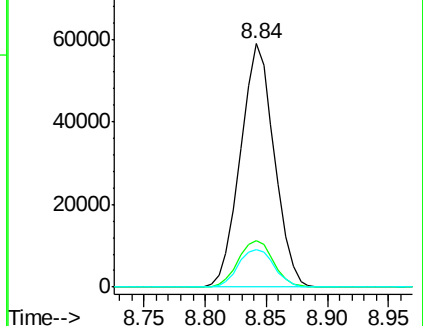
88 15.5 0.0 31.0

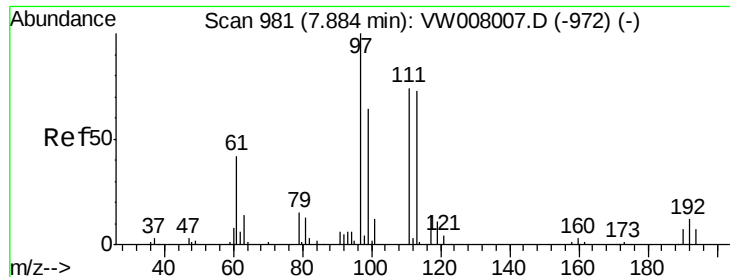


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 49.372 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

CPSB-17(20-25)

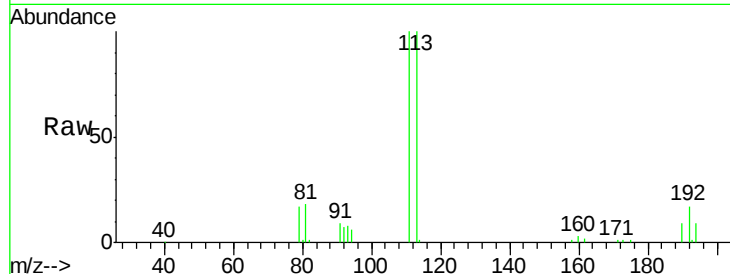
Tot Ion:113 Resp: 35252

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

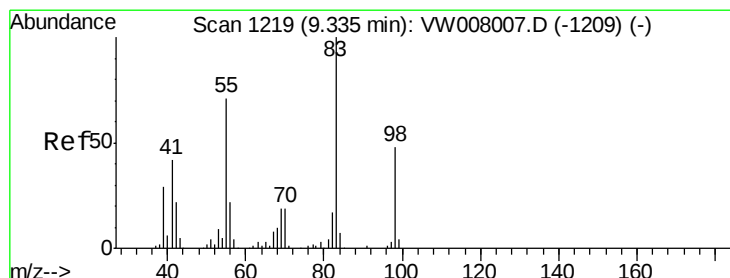
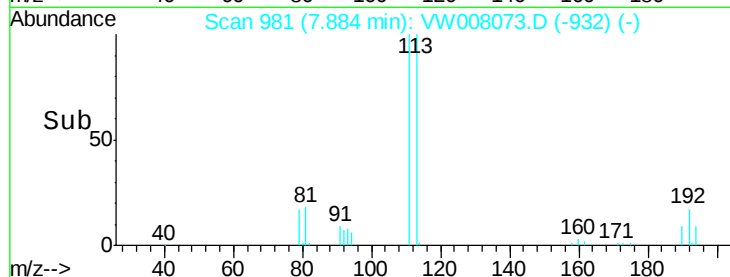
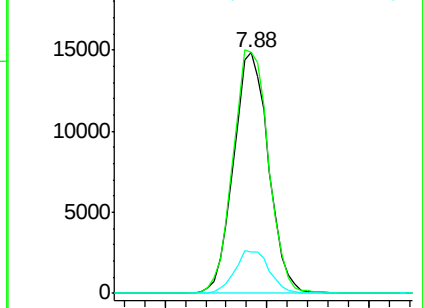
192 17.6 14.8 22.2



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: 3.470 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

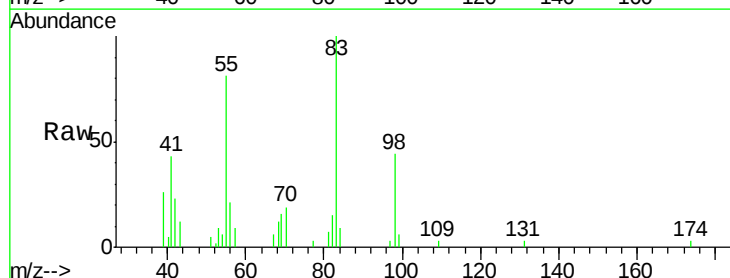
Tgt Ion: 83 Resp: 4833

Ion Ratio Lower Upper

83 100

55 78.1 56.8 85.2

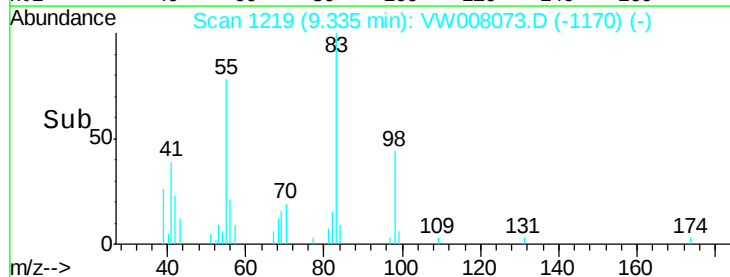
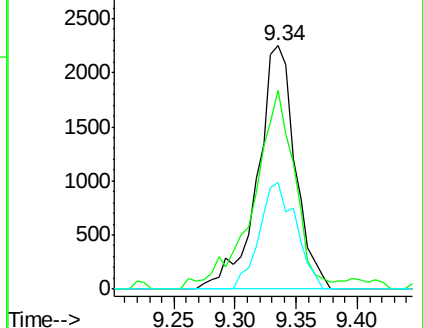
98 43.7 38.6 58.0

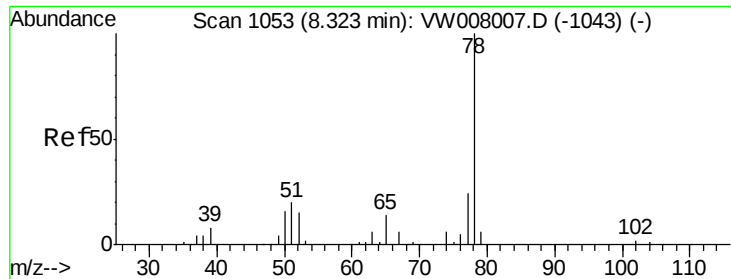


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 1.489 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

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ClientSampleId :

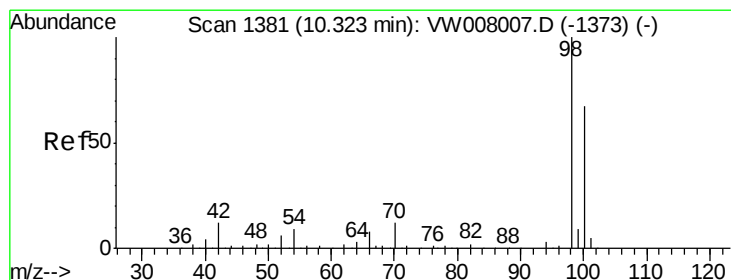
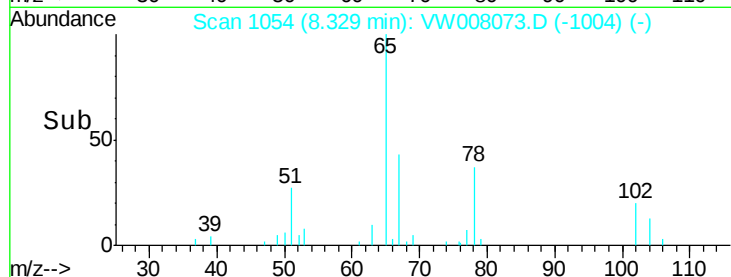
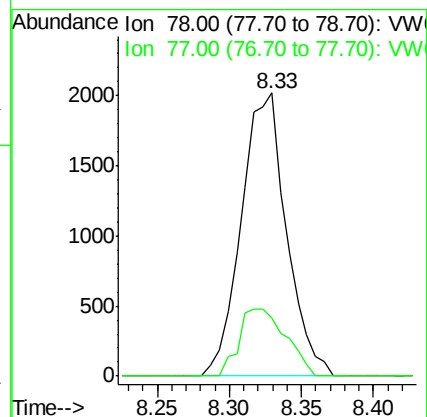
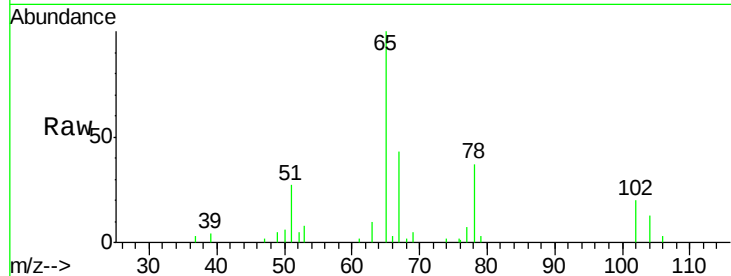
CPSB-17(20-25)

Tot Ion: 78 Resp: 4388

Ion Ratio Lower Upper

78 100

77 20.4 19.0 28.6



#50

Toluene-d8

Concen: 49.420 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008073.D

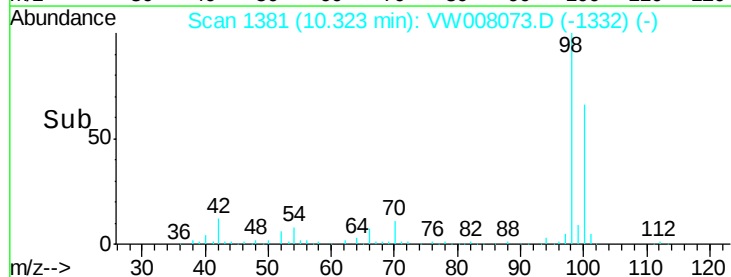
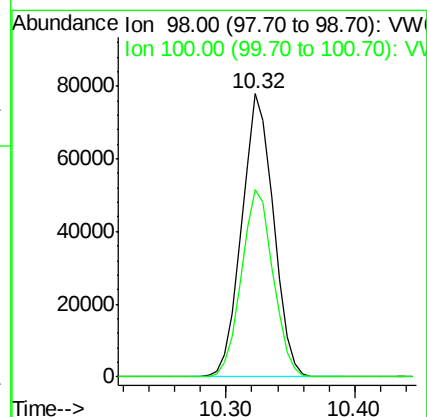
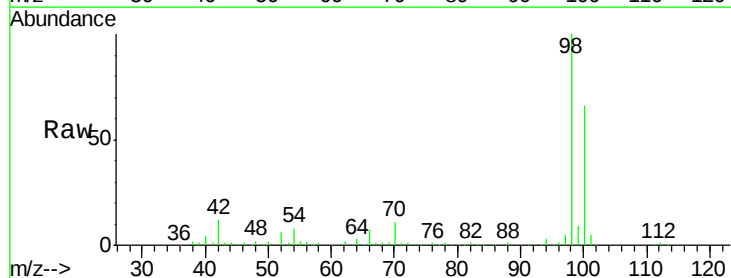
Acq: 07 Jan 2019 16:48

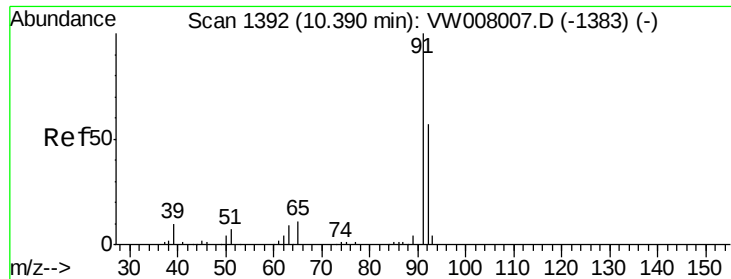
Tgt Ion: 98 Resp: 132367

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3





#52

Toluene

Concen: 1.260 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

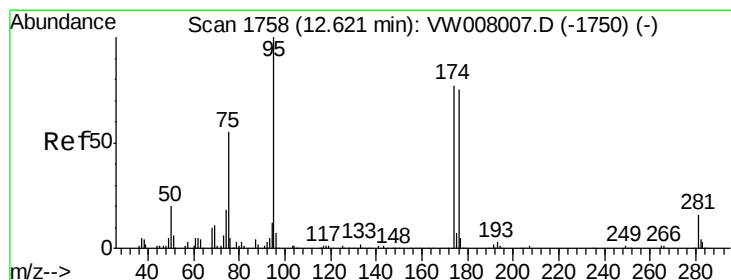
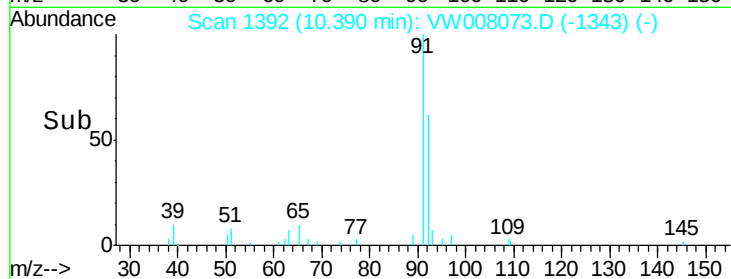
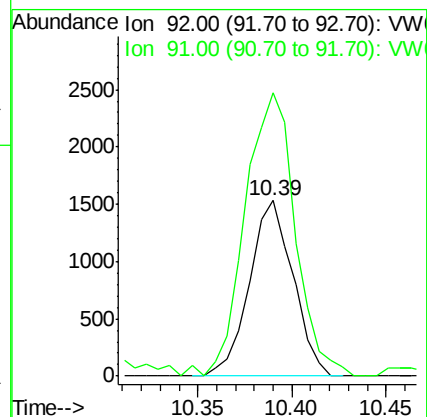
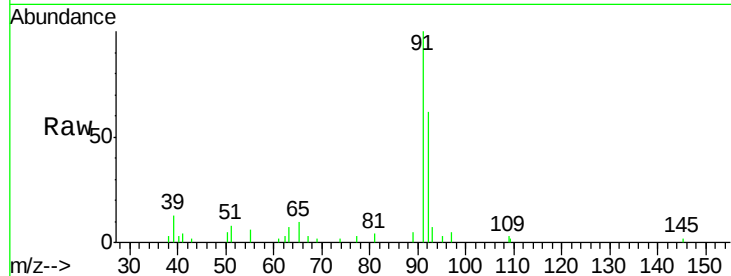
CPSB-17(20-25)

Tot Ion: 92 Resp: 2451

Ion Ratio Lower Upper

92 100

91 186.3 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 42.866 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

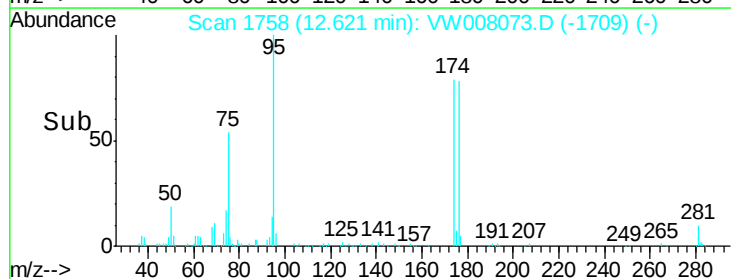
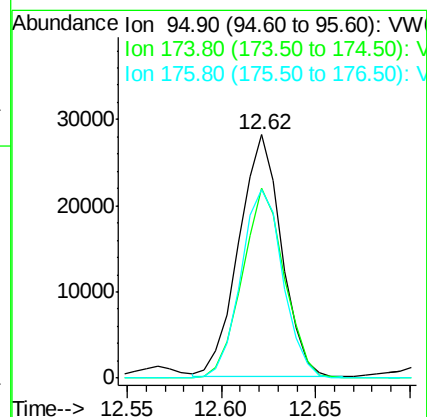
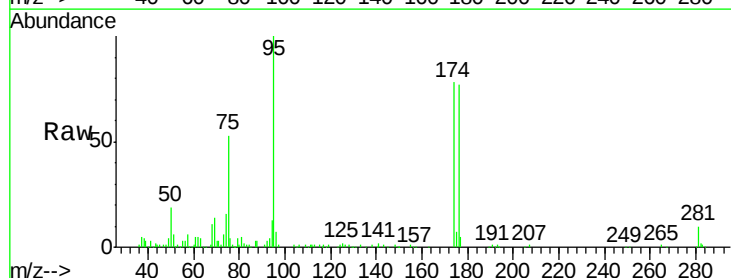
Tgt Ion: 95 Resp: 44032

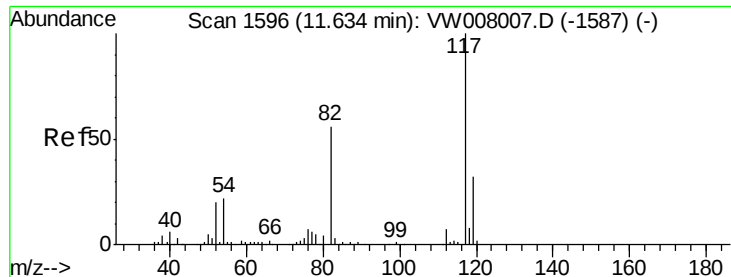
Ion Ratio Lower Upper

95 100

174 77.5 0.0 149.6

176 77.1 0.0 145.4

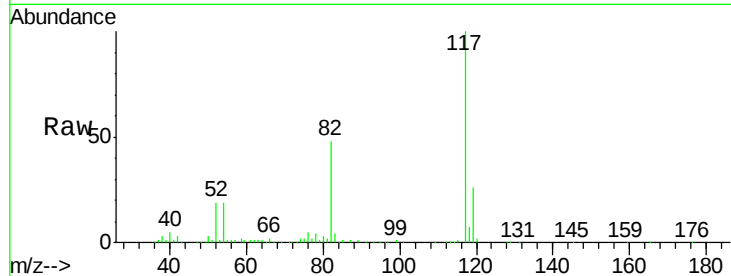




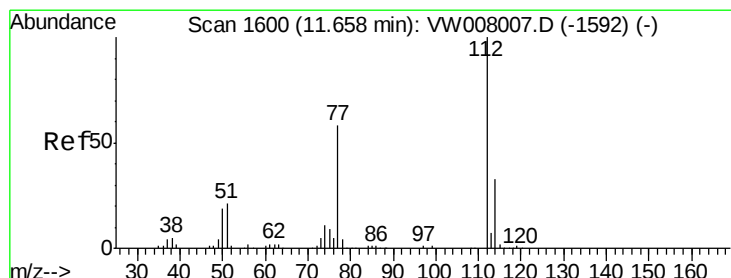
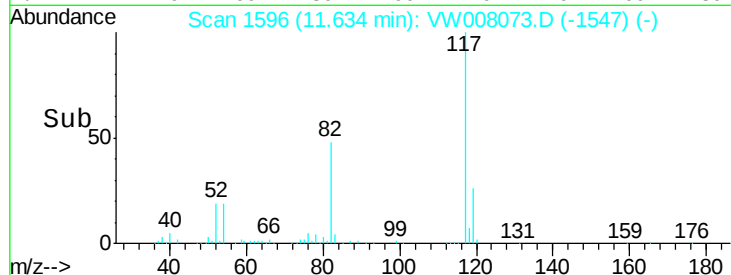
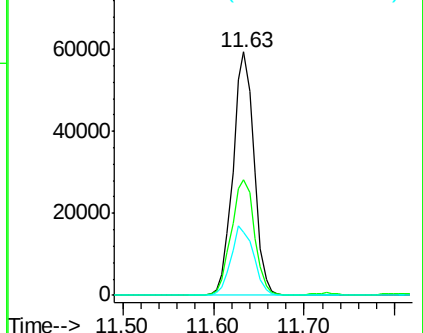
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008073.D
Acq: 07 Jan 2019 16:48

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

Tot Ion:117 Resp: 95520
Ion Ratio Lower Upper
117 100
82 47.2 44.8 67.2
119 25.7 25.6 38.4

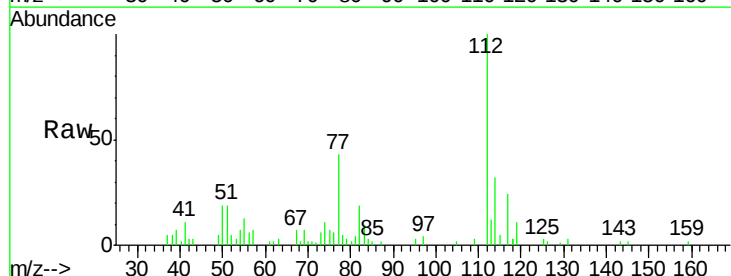


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

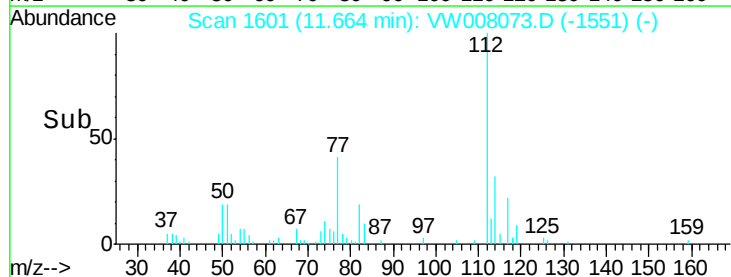
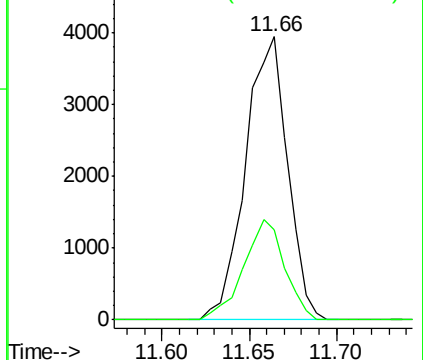


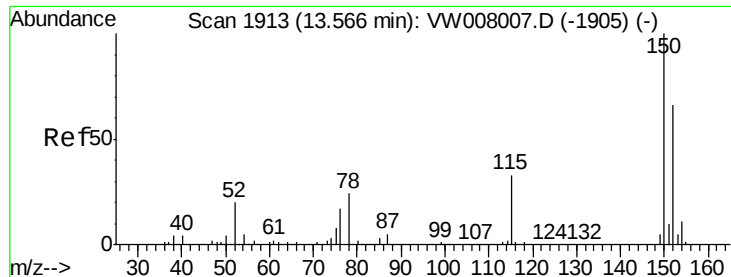
#65
Chlorobenzene
Concen: 3.237 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW008073.D
Acq: 07 Jan 2019 16:48

Tgt Ion:112 Resp: 6608
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

CPSB-17(20-25)

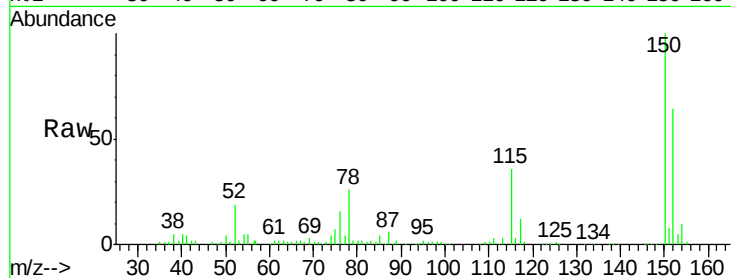
Tot Ion:152 Resp: 42579

Ion Ratio Lower Upper

152 100

115 60.8 32.1 96.5

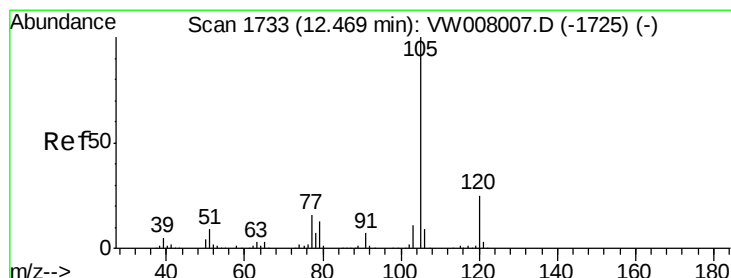
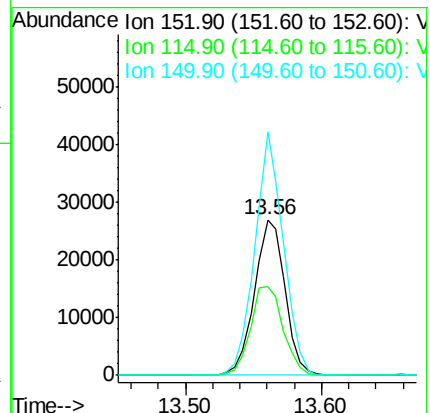
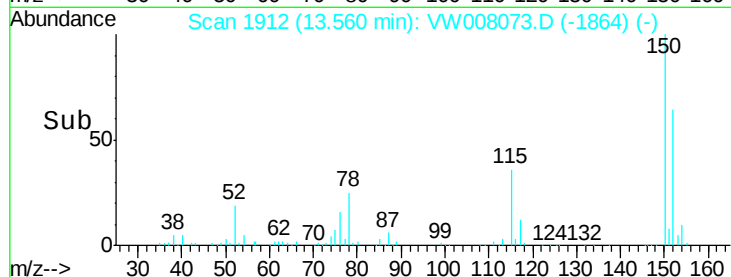
150 145.8 0.0 345.0



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



#73

Isopropylbenzene

Concen: 1.856 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008073.D

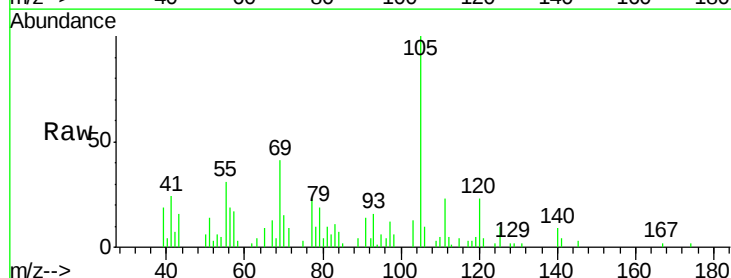
Acq: 07 Jan 2019 16:48

Tgt Ion:105 Resp: 6283

Ion Ratio Lower Upper

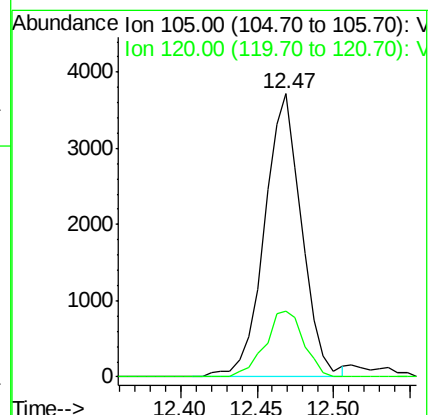
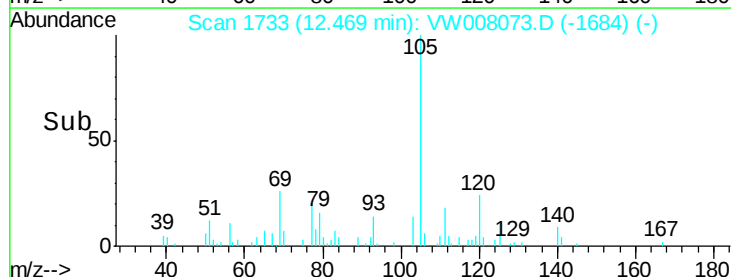
105 100

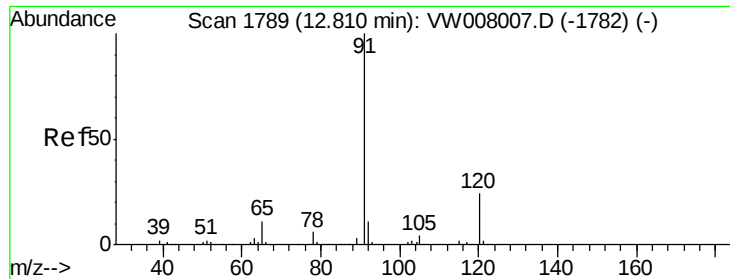
120 23.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.031 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

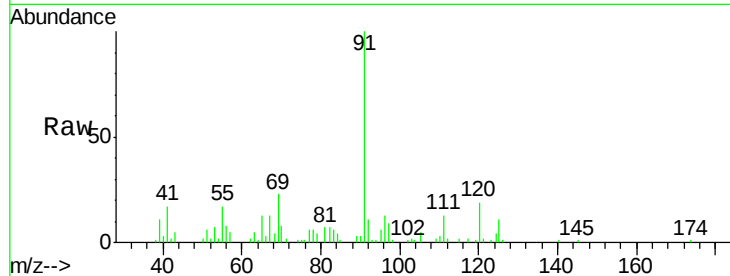
CPSB-17(20-25)

Tot Ion: 91 Resp: 11900

Ion Ratio Lower Upper

91 100

120 20.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

8000

6000

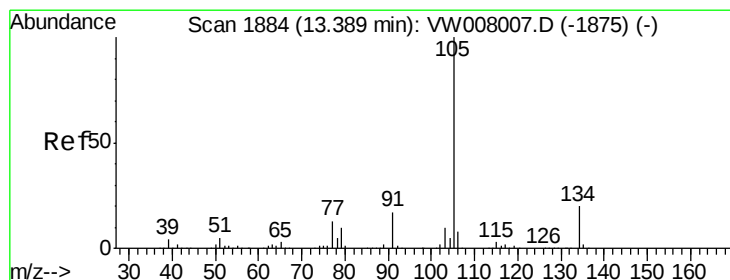
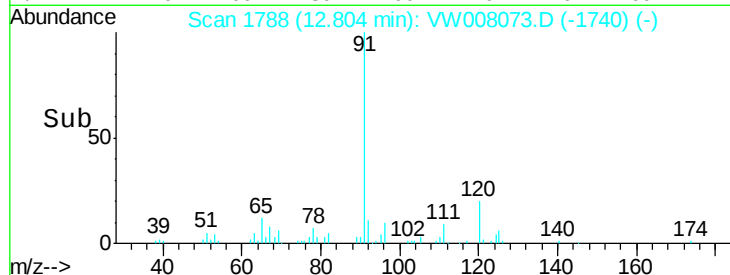
4000

2000

0

12.75 12.80 12.85

Time-->



#85

sec-Butylbenzene

Concen: 4.002 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008073.D

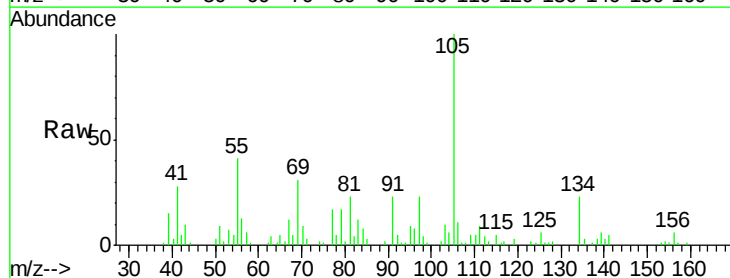
Acq: 07 Jan 2019 16:48

Tgt Ion:105 Resp: 14039

Ion Ratio Lower Upper

105 100

134 27.9 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

10000

8000

6000

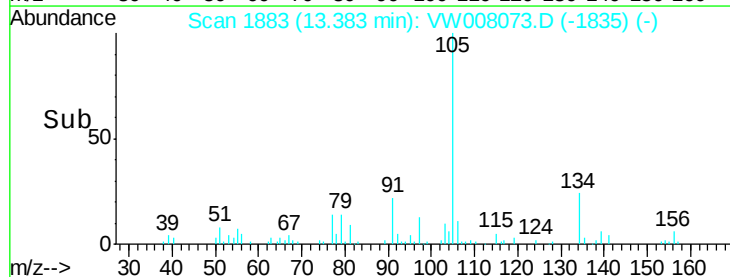
4000

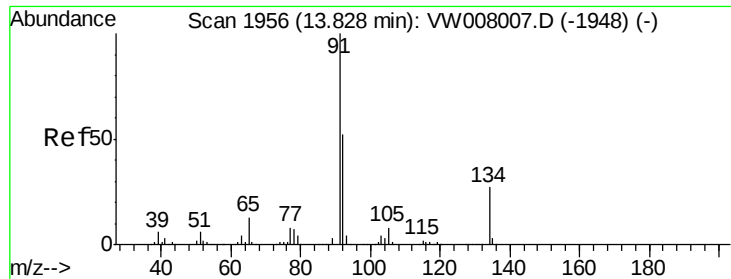
2000

0

13.30 13.35 13.40 13.45

Time-->





#89

n-Butylbenzene

Concen: 2.243 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008073.D

Acq: 07 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

CPSB-17(20-25)

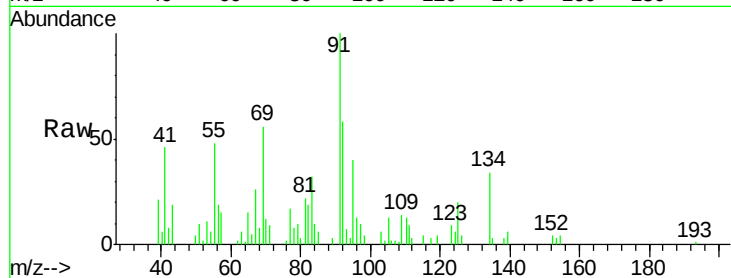
Tot Ion: 91 Resp: 6492

Ion Ratio Lower Upper

91 100

92 52.4 26.4 79.2

134 0.0 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

