

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008100.D
 Acq On : 09 Jan 2019 13:57
 Operator : SY/AP
 Sample : K1071-04RE
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-16(20-25)RE

Quant Time: Jan 10 06:20:41 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	86240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	146585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59714	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	48429	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	7.88	113	43935	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.32	98	185091	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.62	95	61289	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

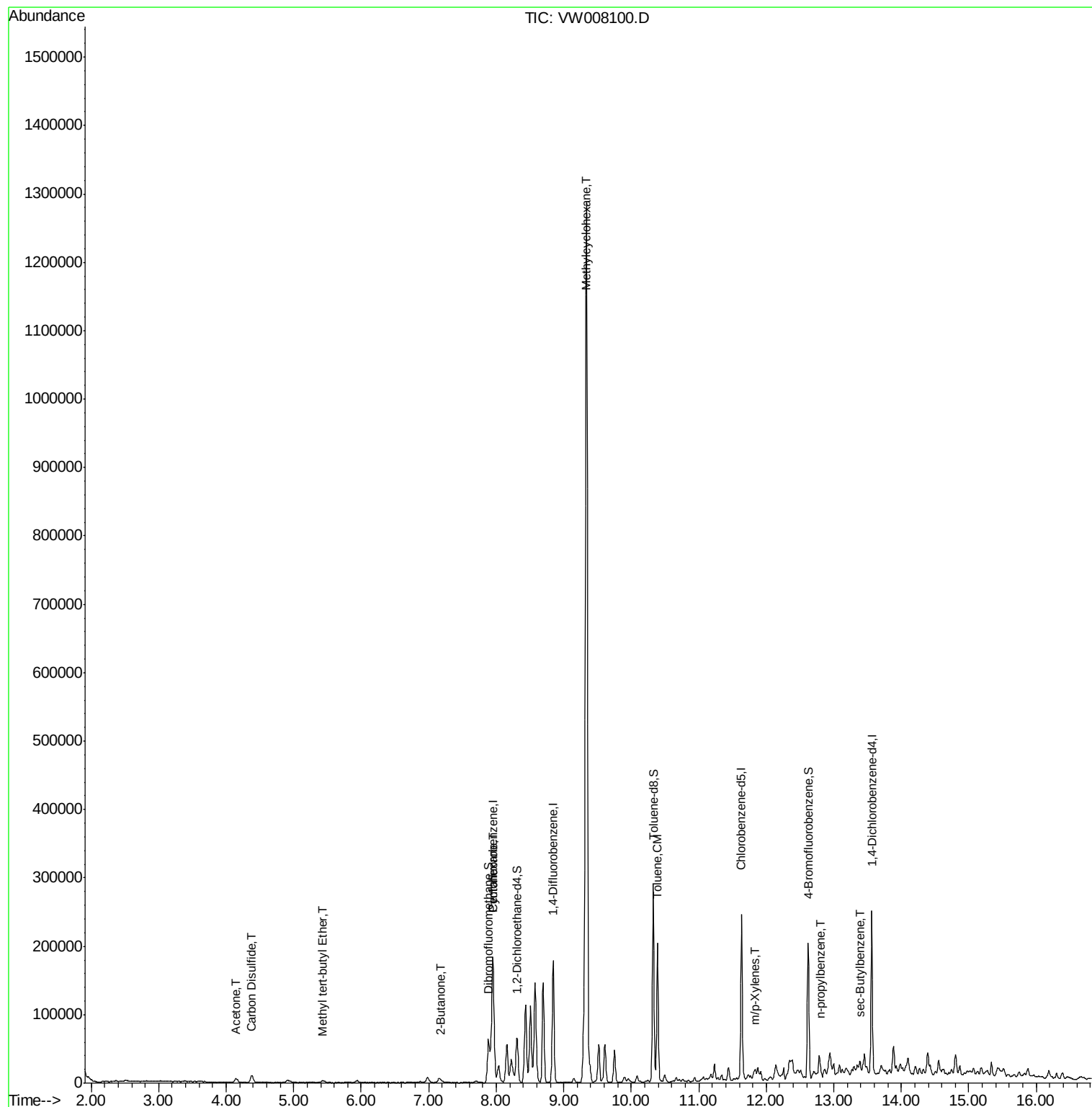
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	12144	53.040	ug/l	96
17) Carbon Disulfide	4.38	76	21872	7.414	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	3251	2.117	ug/l #	67
25) 2-Butanone	7.18	43	3652	13.542	ug/l	91
31) Cyclohexane	7.95	56	45491	22.302	ug/l	97
39) Methylcyclohexane	9.34	83	532259	277.998	ug/l	98
52) Toluene	10.39	92	83958	32.100	ug/l	98
68) m/p-Xylenes	11.84	106	3826	2.015	ug/l	90
78) n-propylbenzene	12.80	91	6273	1.092	ug/l	96
85) sec-Butylbenzene	13.39	105	5980	1.198	ug/l	84

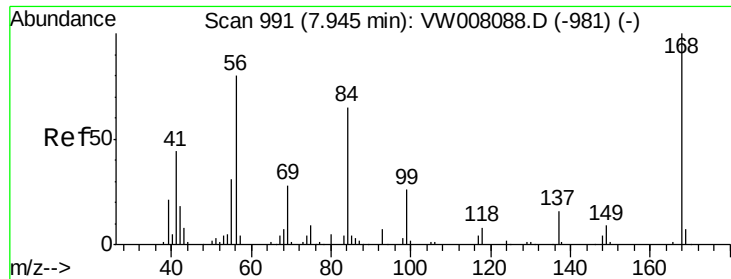
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 09 04:40:48 2019
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: VW008100.D

Acq: 09 Jan 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

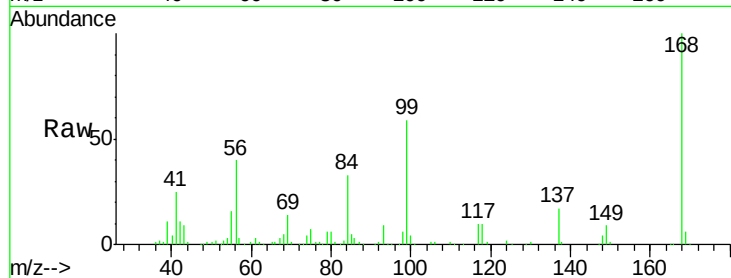
CPSB-16(20-25)RE

Tot Ion:168 Resp: 86240

Ion Ratio Lower Upper

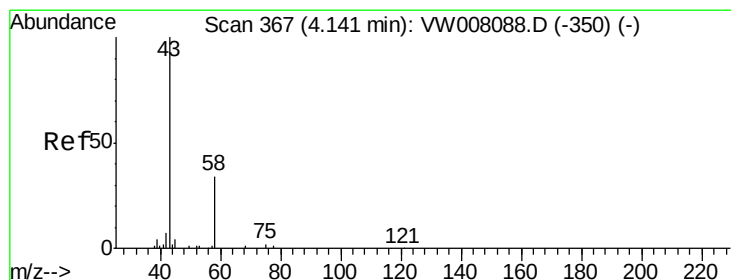
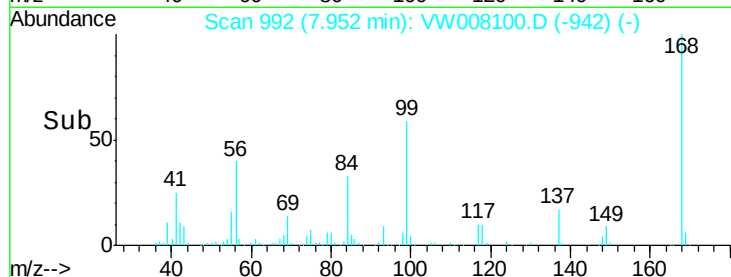
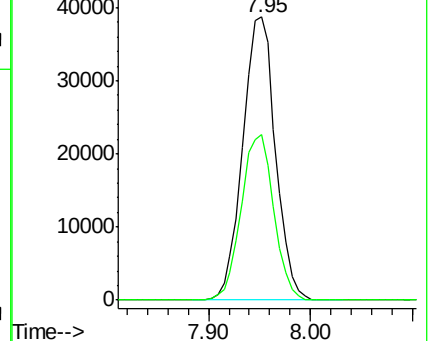
168 100

99 58.7 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 53.040 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW008100.D

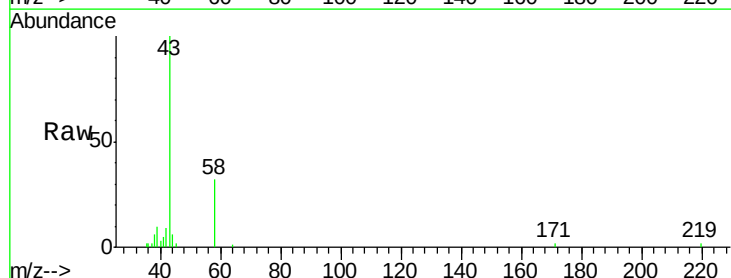
Acq: 09 Jan 2019 13:57

Tgt Ion: 43 Resp: 12144

Ion Ratio Lower Upper

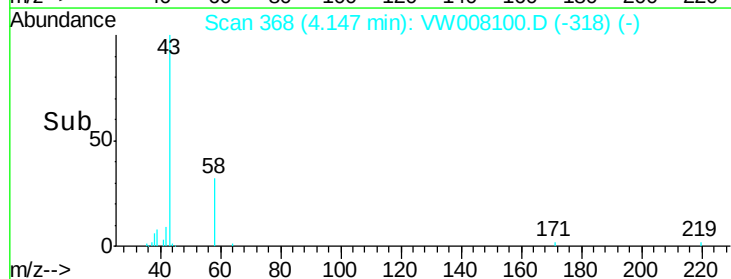
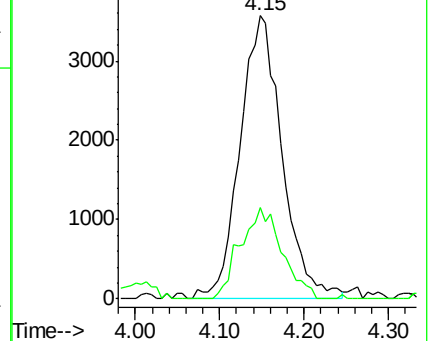
43 100

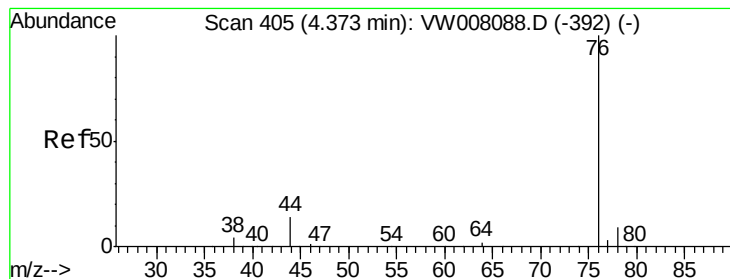
58 32.2 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 7.414 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

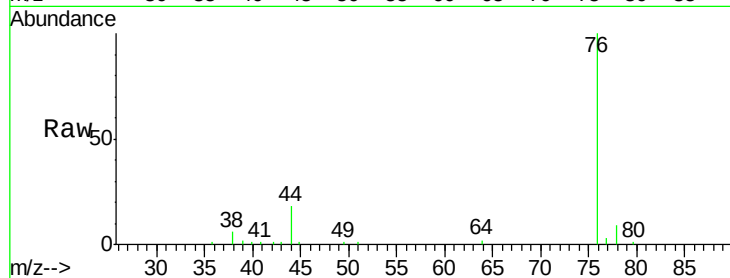
CPSB-16(20-25)RE

Tot Ion: 76 Resp: 21872

Ion Ratio Lower Upper

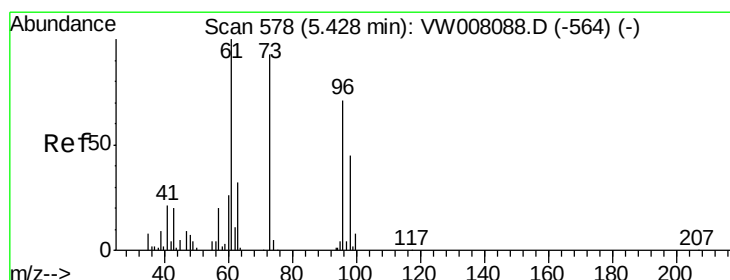
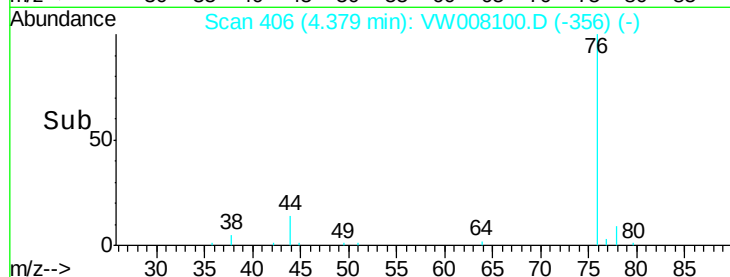
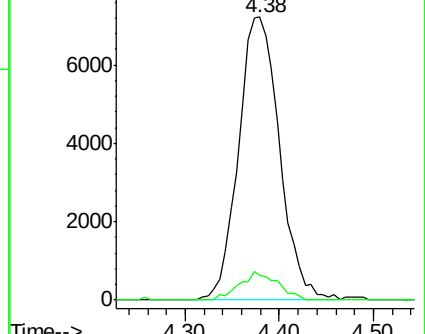
76 100

78 8.6 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: 2.117 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008100.D

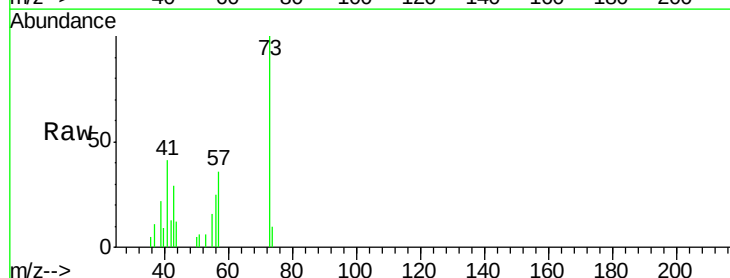
Acq: 09 Jan 2019 13:57

Tgt Ion: 73 Resp: 3251

Ion Ratio Lower Upper

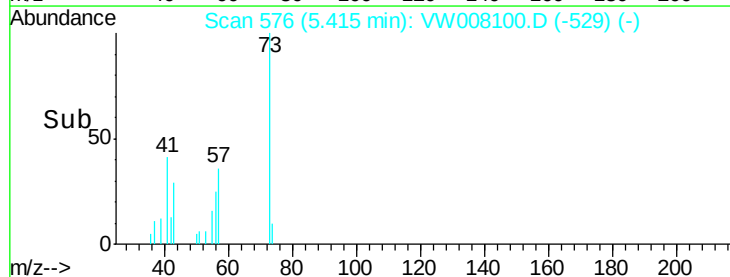
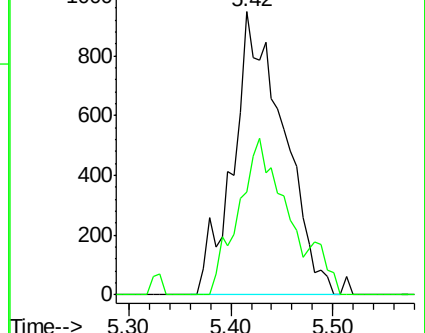
73 100

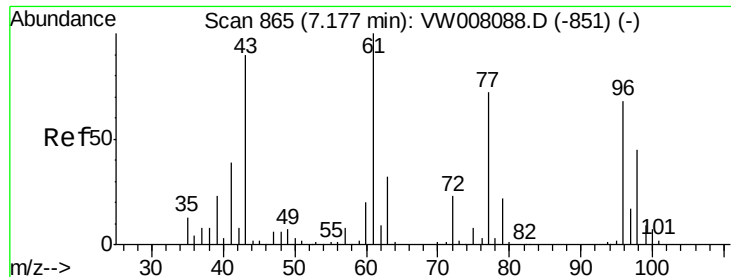
57 36.4 16.7 25.1#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW





#25

2-Butanone

Concen: 13.542 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

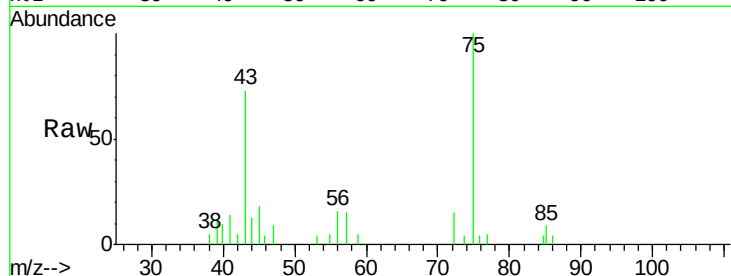
CPSB-16(20-25)RE

Tot Ion: 43 Resp: 3652

Ion Ratio Lower Upper

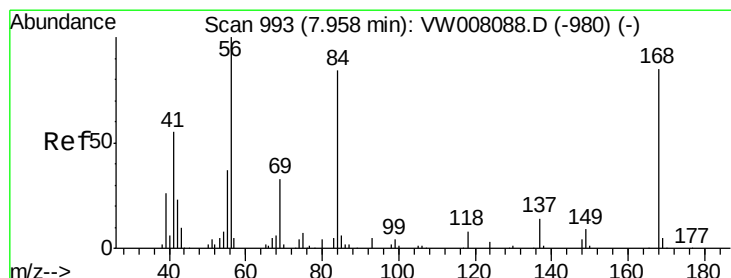
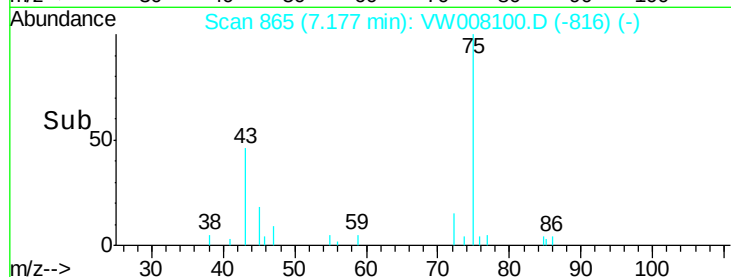
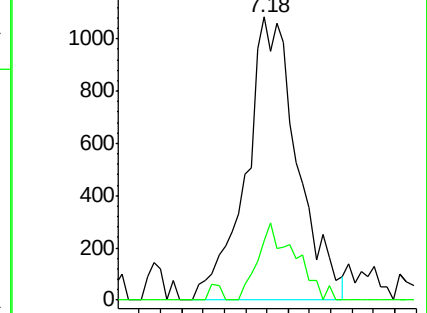
43 100

72 21.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 22.302 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

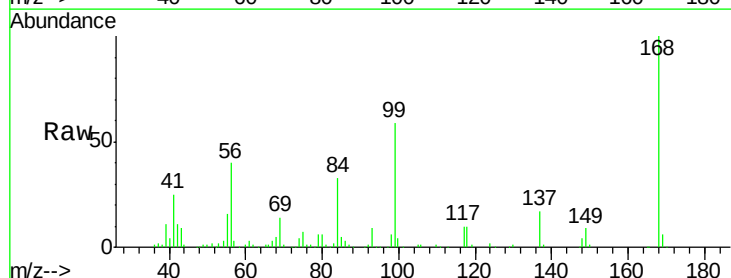
Tgt Ion: 56 Resp: 45491

Ion Ratio Lower Upper

56 100

69 35.8 26.2 39.4

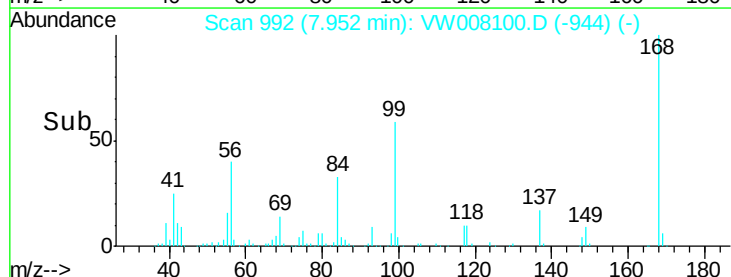
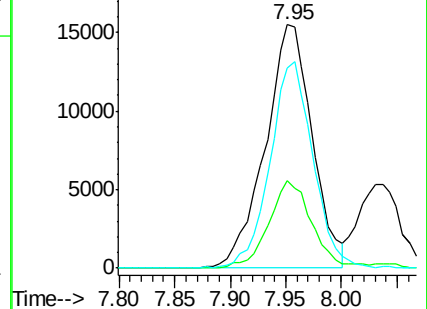
84 82.1 67.4 101.2

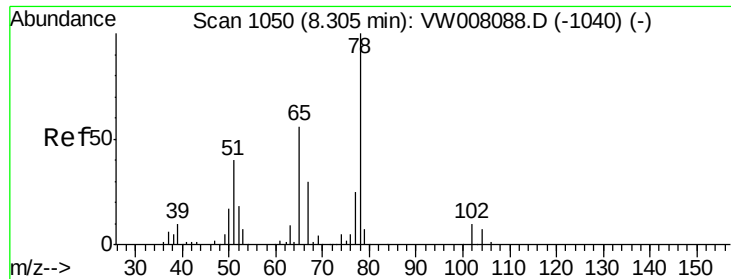


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

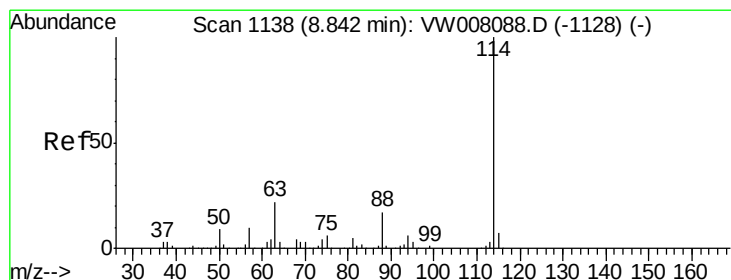
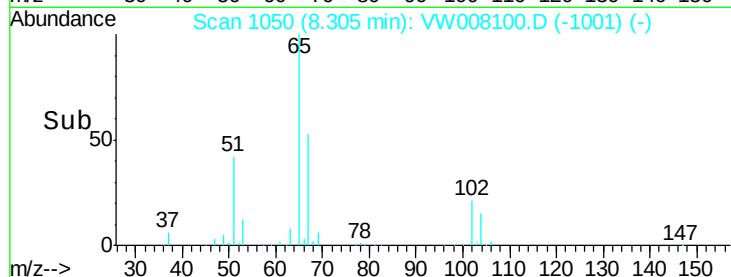
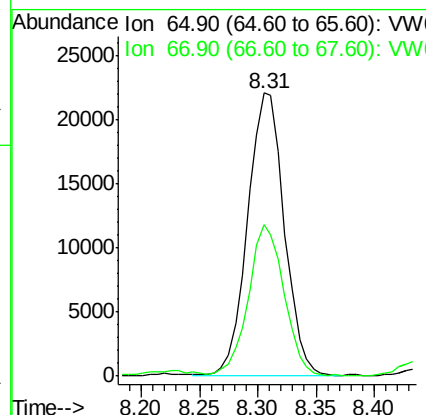
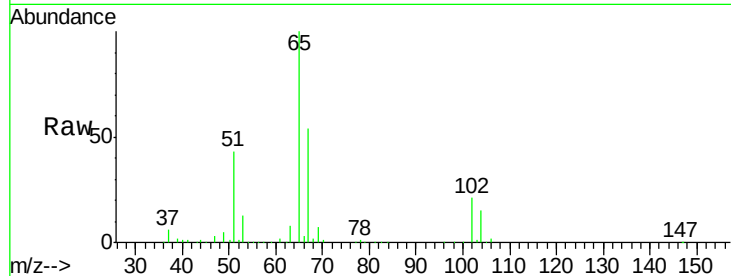




#33
 1,2-Dichloroethane-d4
 Concen: 49.965 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008100.D
 Acq: 09 Jan 2019 13:57

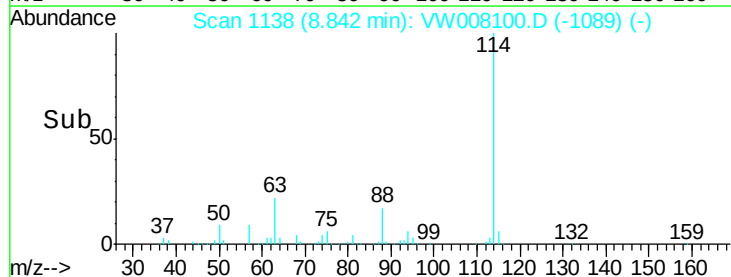
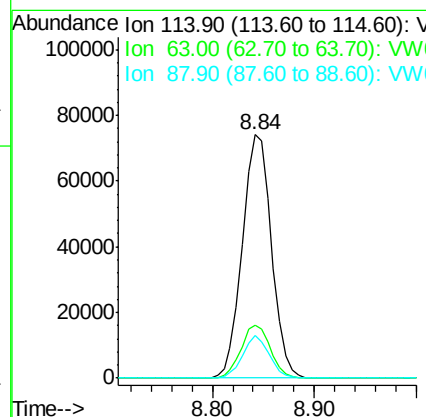
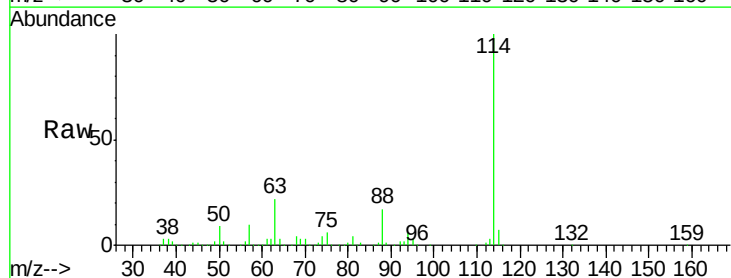
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-16(20-25)RE

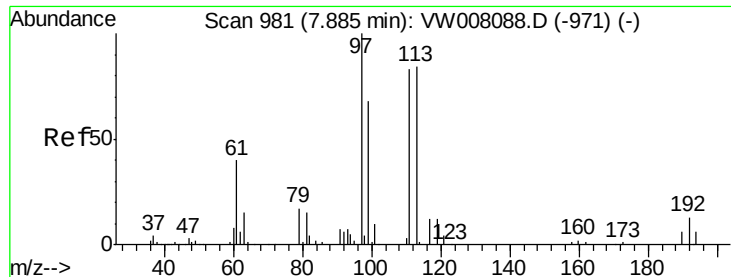
Tot Ion: 65 Resp: 48429
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008100.D
 Acq: 09 Jan 2019 13:57

Tgt Ion: 114 Resp: 146585
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 17.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.390 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

CPSB-16(20-25)RE

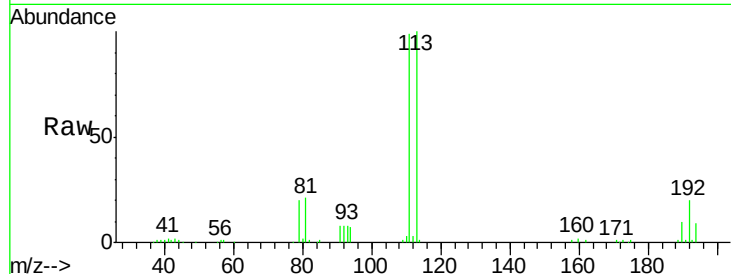
Tot Ion:113 Resp: 43935

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

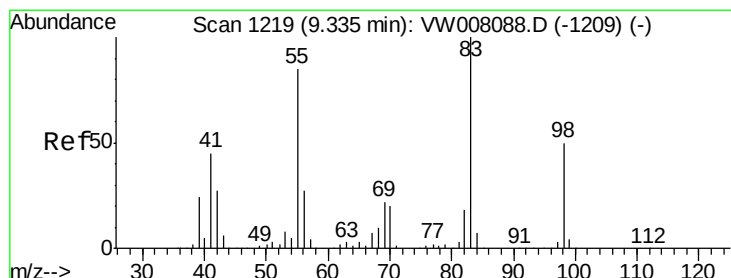
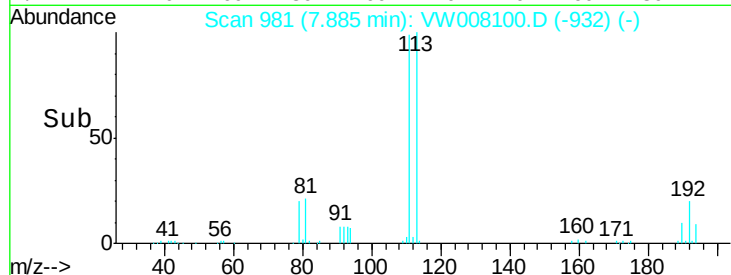
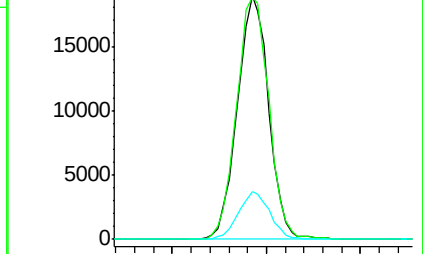
192 19.6 12.8 19.2#



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

Methylcyclohexane

Concen: 277.998 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

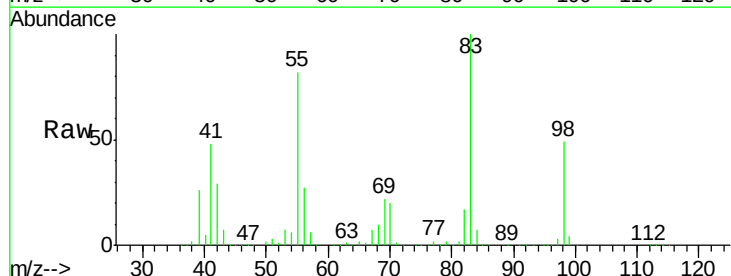
Tgt Ion: 83 Resp: 532259

Ion Ratio Lower Upper

83 100

55 82.3 67.8 101.6

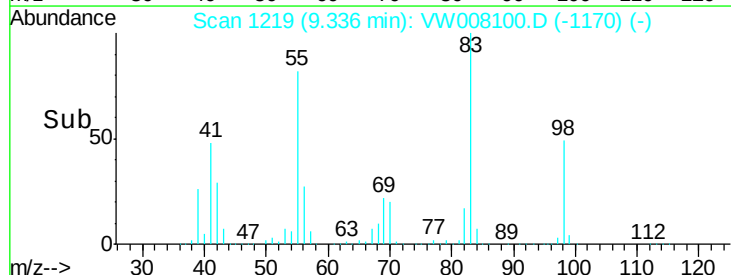
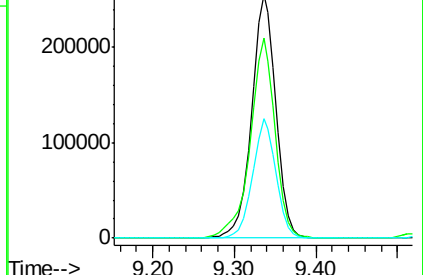
98 48.9 40.2 60.4

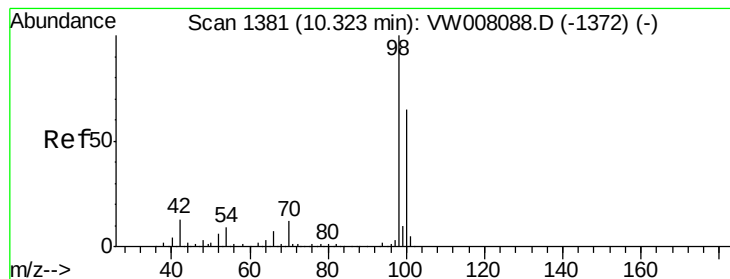


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 51.591 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

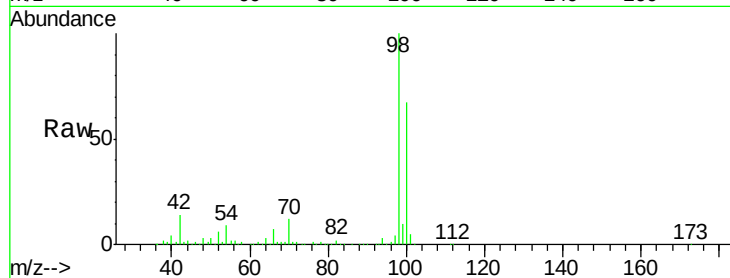
CPSB-16(20-25)RE

Tot Ion: 98 Resp: 185091

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

120000

100000

80000

60000

40000

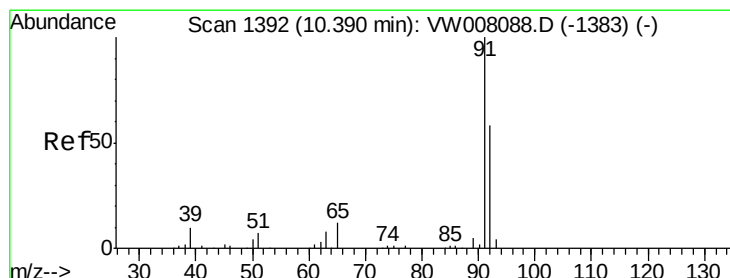
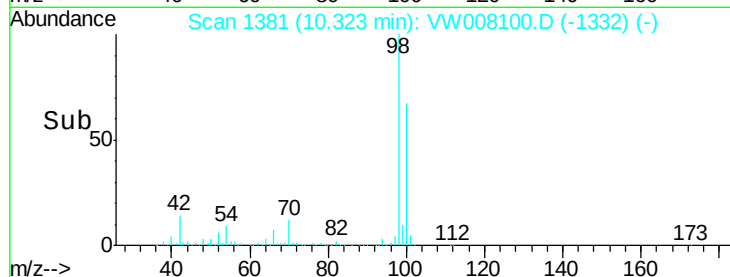
20000

0

10.32

10.20 10.30 10.40

Time-->



#52

Toluene

Concen: 32.100 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008100.D

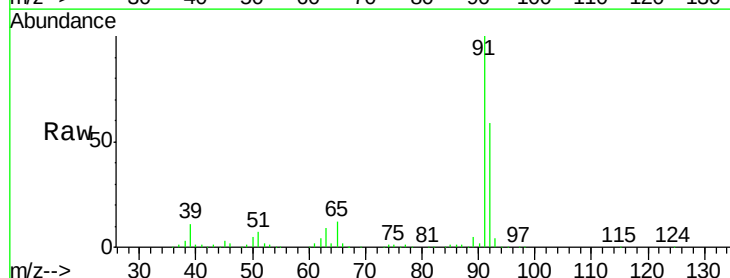
Acq: 09 Jan 2019 13:57

Tgt Ion: 92 Resp: 83958

Ion Ratio Lower Upper

92 100

91 174.5 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

80000

60000

40000

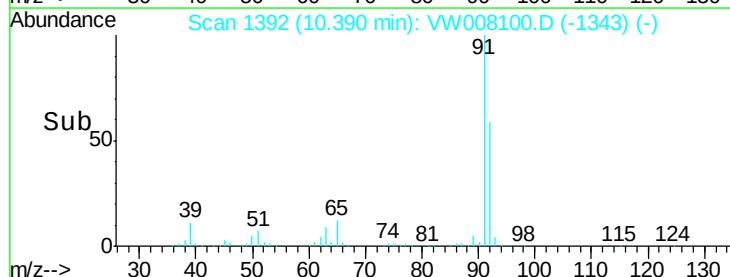
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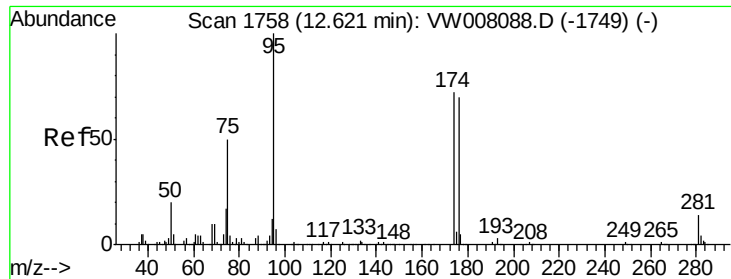
0

10.39

10.30 10.40 10.50

Time-->





#62

4-Bromofluorobenzene

Concen: 47.652 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

CPSB-16(20-25)RE

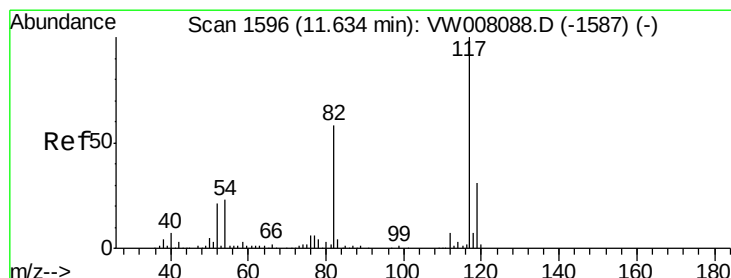
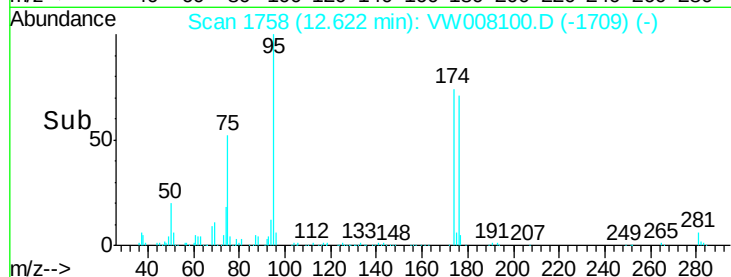
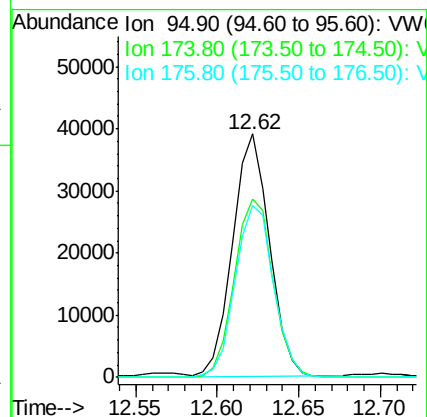
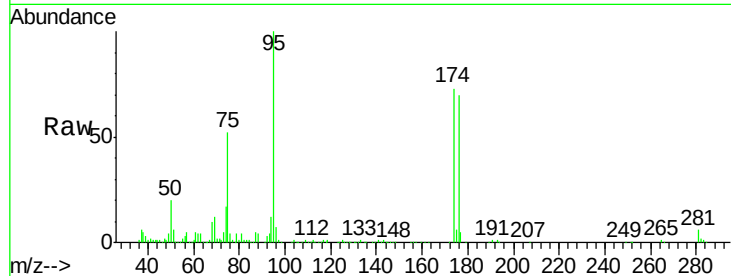
Tot Ion: 95 Resp: 61289

Ion Ratio Lower Upper

95 100

174 76.8 0.0 143.0

176 74.2 0.0 140.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

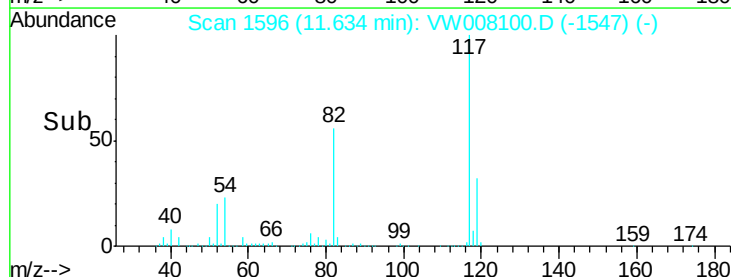
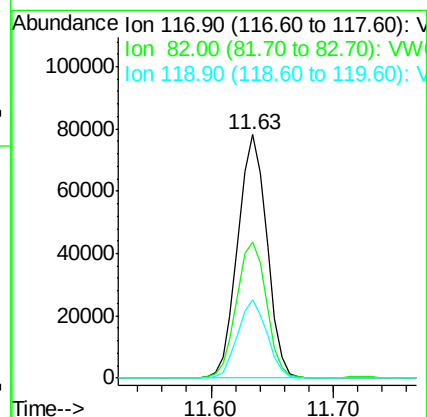
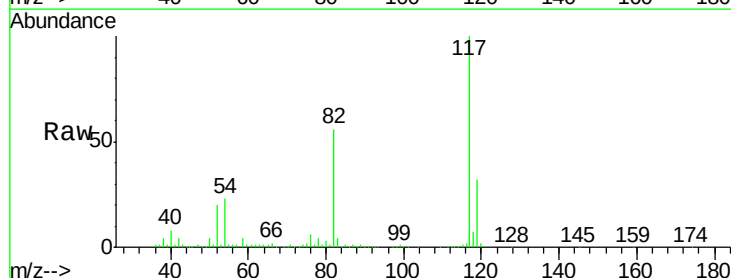
Tgt Ion: 117 Resp: 128355

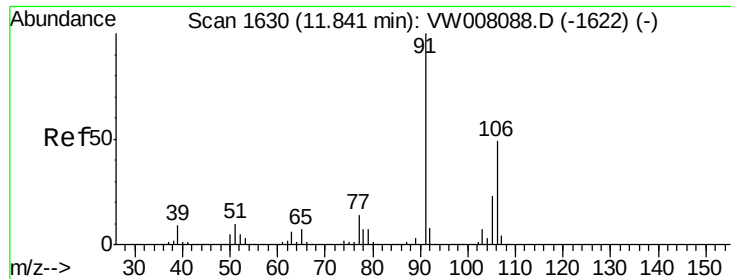
Ion Ratio Lower Upper

117 100

82 55.5 46.4 69.6

119 32.3 24.7 37.1





#68

m/p-Xvlenes

Concen: 2.015 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

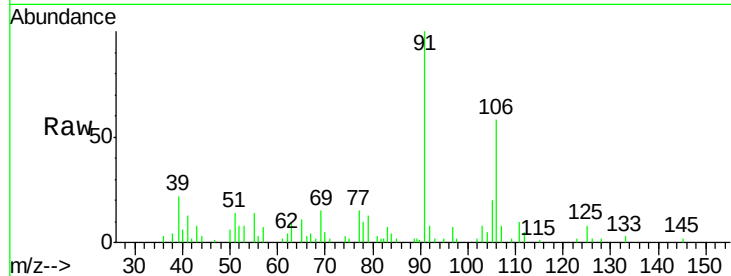
CPSB-16(20-25)RE

Tot Ion:106 Resp: 3826

Ion Ratio Lower Upper

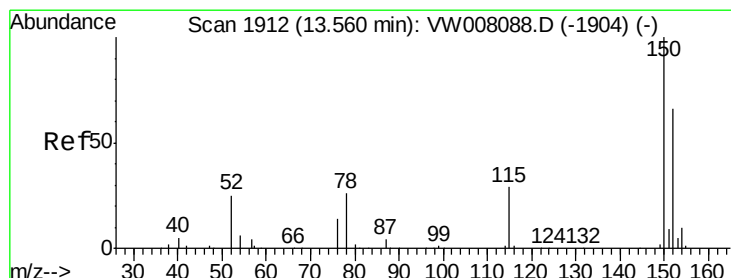
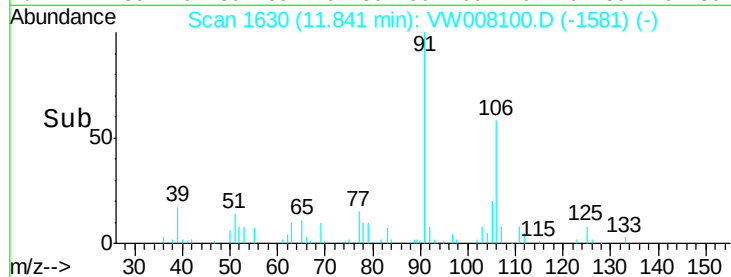
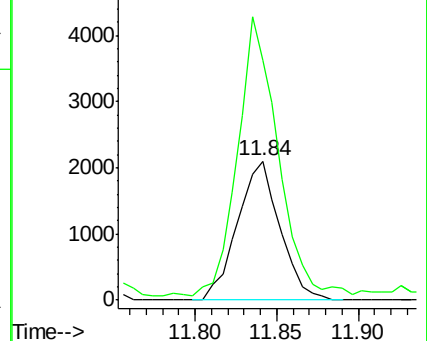
106 100

91 187.2 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

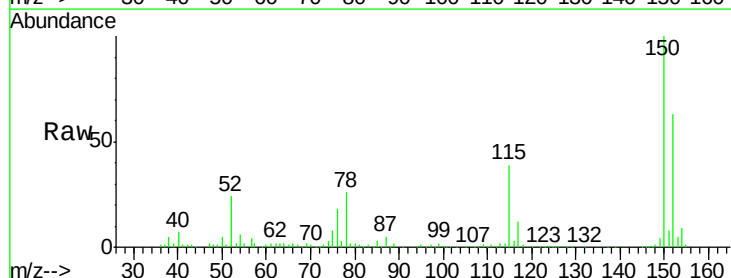
Tgt Ion:152 Resp: 59714

Ion Ratio Lower Upper

152 100

115 58.6 30.8 92.4

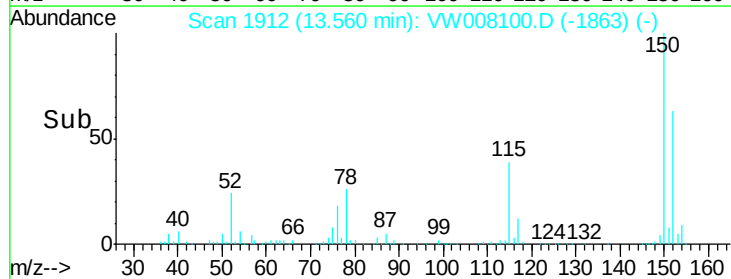
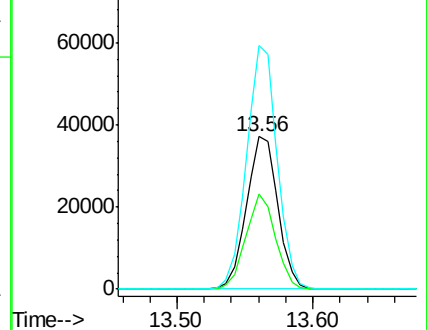
150 156.1 0.0 350.2

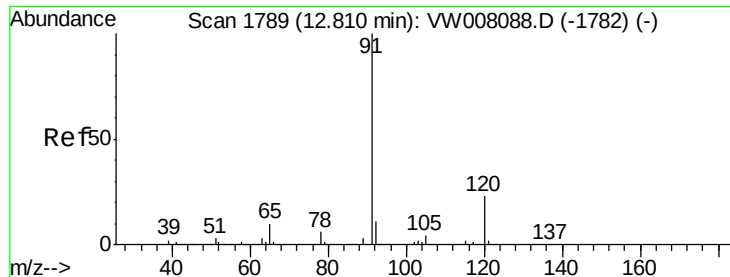


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#78

n-propylbenzene

Concen: 1.092 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008100.D

Acq: 09 Jan 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

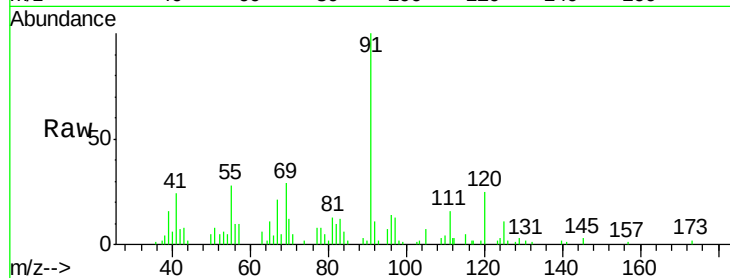
CPSB-16(20-25)RE

Tot Ion: 91 Resp: 6273

Ion Ratio Lower Upper

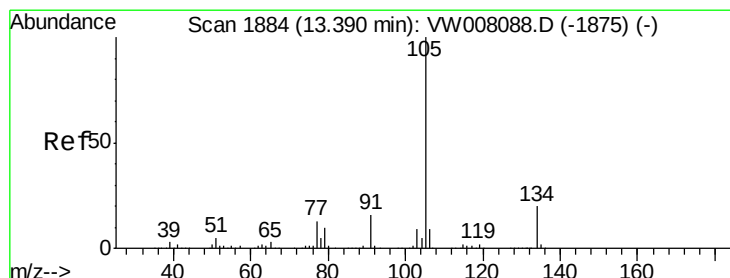
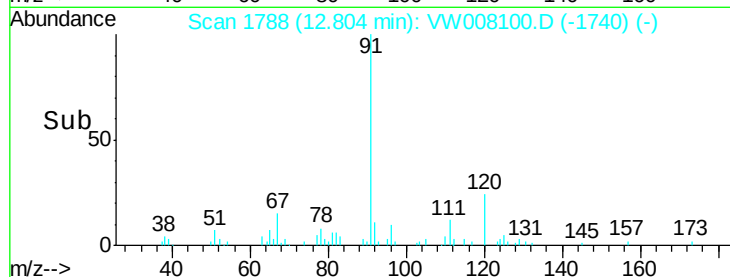
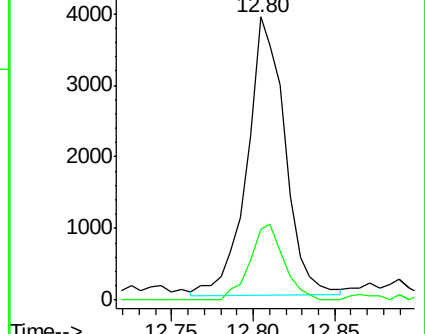
91 100

120 24.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.198 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008100.D

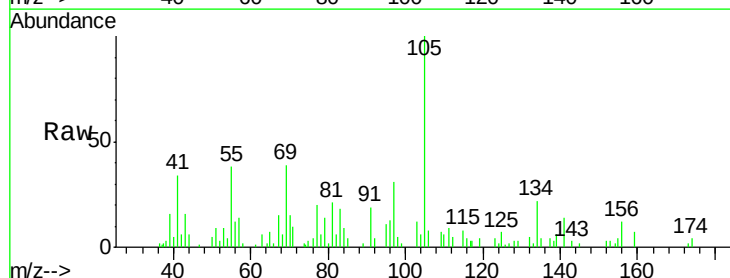
Acq: 09 Jan 2019 13:57

Tgt Ion:105 Resp: 5980

Ion Ratio Lower Upper

105 100

134 27.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

