

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008080.D
 Acq On : 07 Jan 2019 19:55
 Operator : SY/AP
 Sample : K1071-09
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-3(10-15)

Quant Time: Jan 08 03:47:41 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	11864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	18231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	14203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	7125	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	6745	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
35) Dibromofluoromethane	7.88	113	5404	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	10.33	98	21008	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.62	95	7537	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

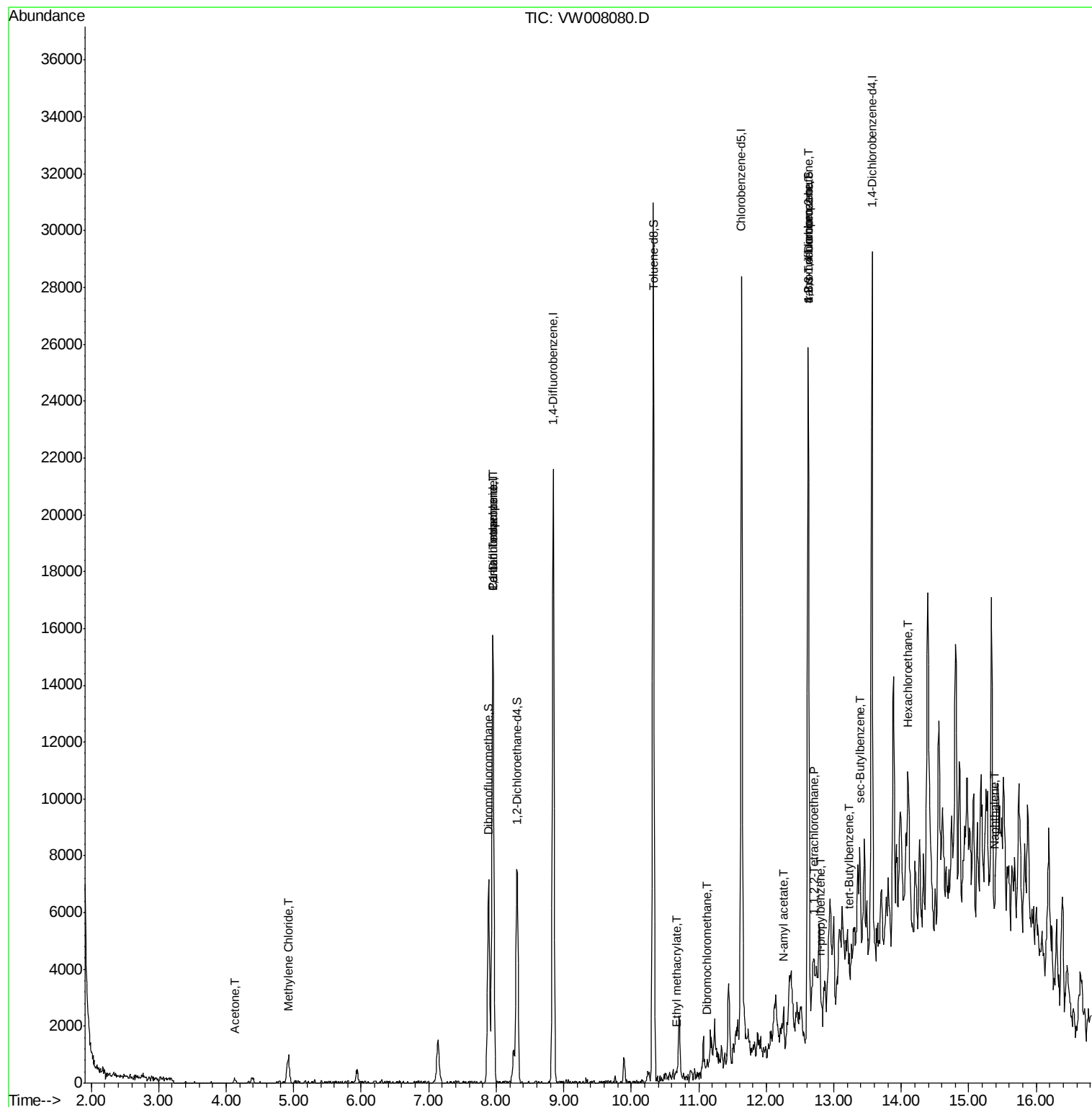
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	312	15.360	ug/l #	48
20) Methylene Chloride	4.92	84	763	3.900	ug/l #	87
36) 1,1-Dichloropropene	7.95	75	933	5.188	ug/l #	44
38) Carbon Tetrachloride	7.96	117	1255	5.823	ug/l #	11
56) Ethyl methacrylate	10.66	69	136	1.480	ug/l #	10
60) Dibromochloromethane	11.12	129	136	1.222	ug/l #	11
74) N-amyl acetate	12.26	43	415	4.706	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.70	83	280	3.884	ug/l #	39
76) 1,2,3-Trichloropropane	12.62	75	4094	72.226	ug/l #	1
78) n-propylbenzene	12.81	91	740	1.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	4094	170.804	ug/l #	6
83) tert-Butylbenzene	13.22	119	499	1.170	ug/l #	57
85) sec-Butylbenzene	13.39	105	815	1.389	ug/l	86
90) Hexachloroethane	14.10	117	303	3.298	ug/l #	12
95) Naphthalene	15.38	128	666	2.579	ug/l #	73

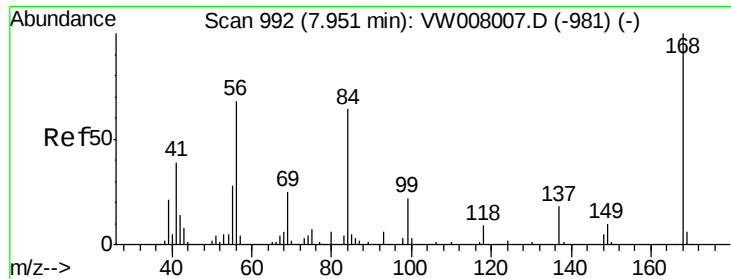
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
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: VW008080.D

Acq: 07 Jan 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

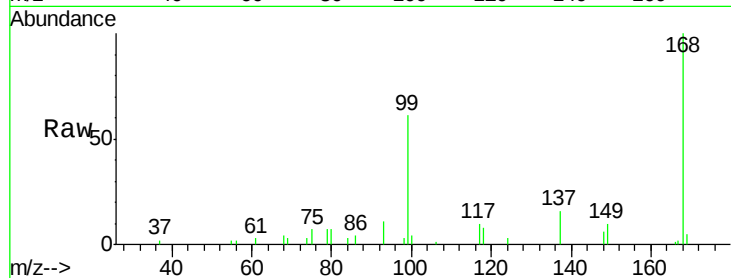
CPSB-3(10-15)

Tot Ion:168 Resp: 11864

Ion Ratio Lower Upper

168 100

99 61.0 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

6000

5000

4000

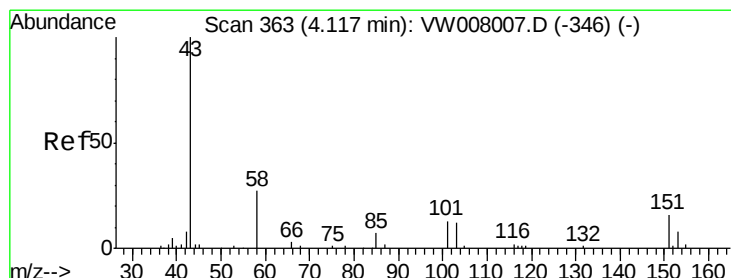
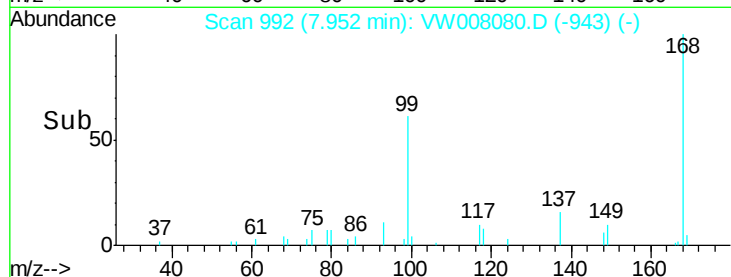
3000

2000

1000

0

Time--> 7.85 7.90 7.95 8.00



#16

Acetone

Concen: 15.360 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008080.D

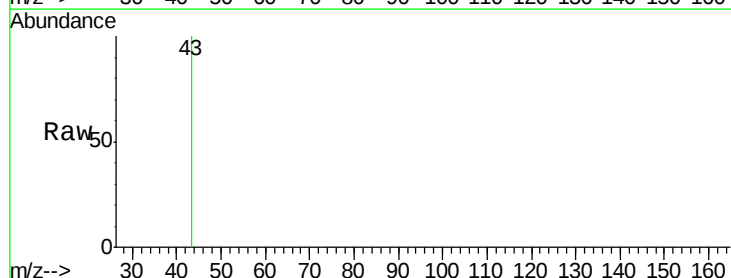
Acq: 07 Jan 2019 19:55

Tgt Ion: 43 Resp: 312

Ion Ratio Lower Upper

43 100

58 0.0 21.7 32.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

200

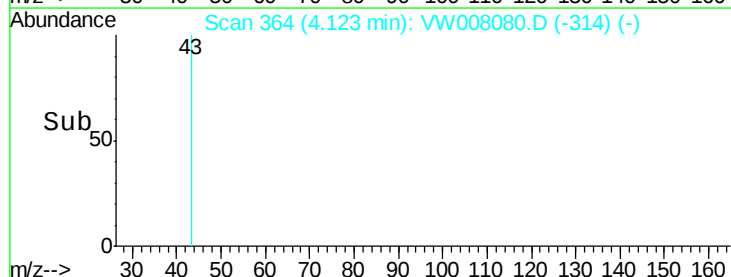
150

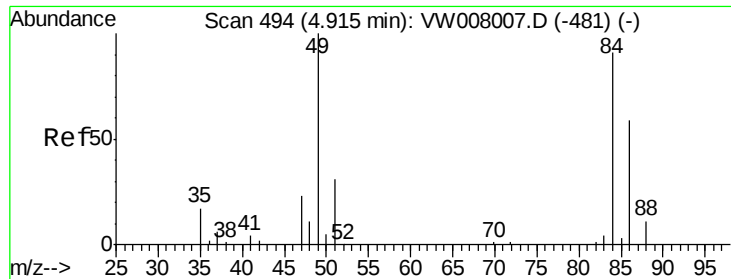
100

50

0

Time--> 4.10 4.15





#20

Methylene Chloride

Concen: 3.900 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008080.D

Acq: 07 Jan 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

CPSB-3(10-15)

Tot Ion: 84 Resp: 763

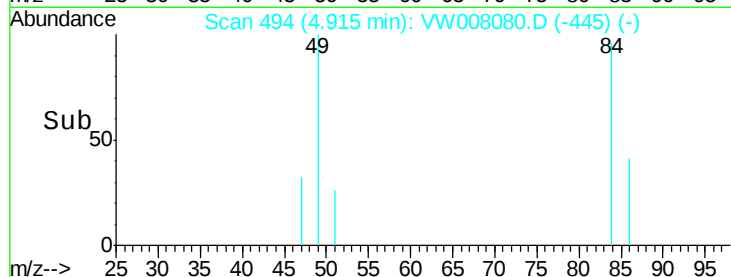
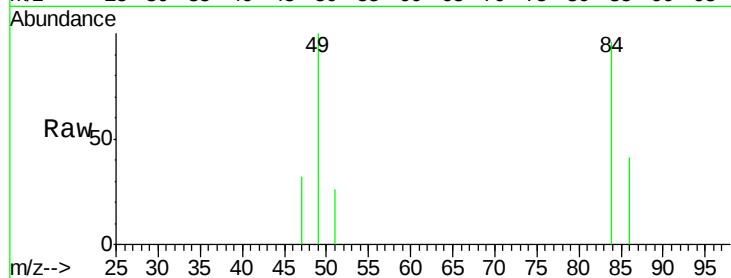
Ion Ratio Lower Upper

84 100

49 103.8 87.7 131.5

51 27.2 27.3 40.9#

86 42.5 51.4 77.0#

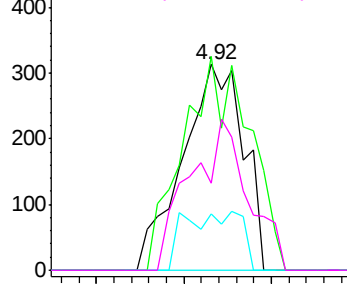


Abundance Ion 83.90 (83.60 to 84.60): VW

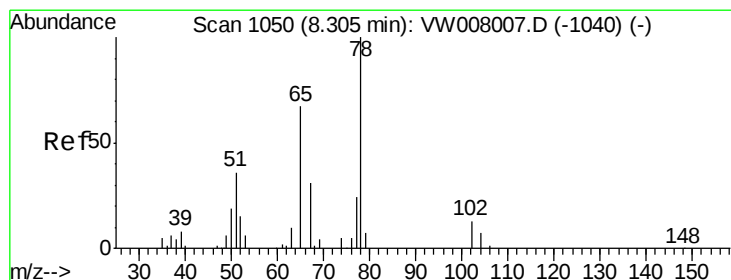
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.401 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW008080.D

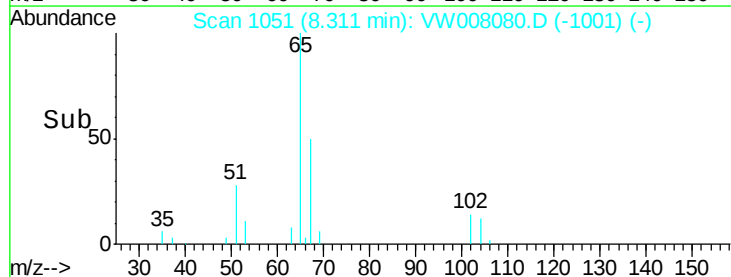
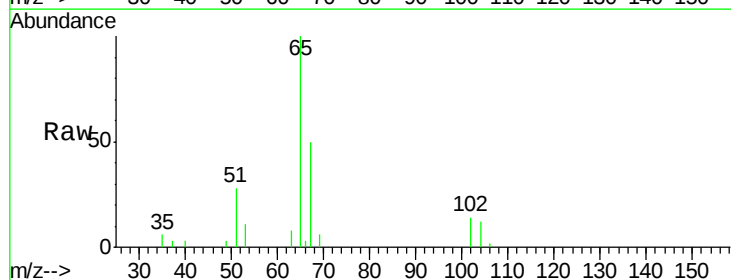
Acq: 07 Jan 2019 19:55

Tgt Ion: 65 Resp: 6745

Ion Ratio Lower Upper

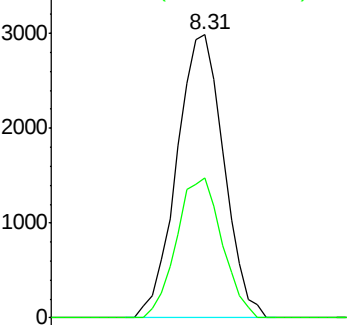
65 100

67 47.7 0.0 94.8

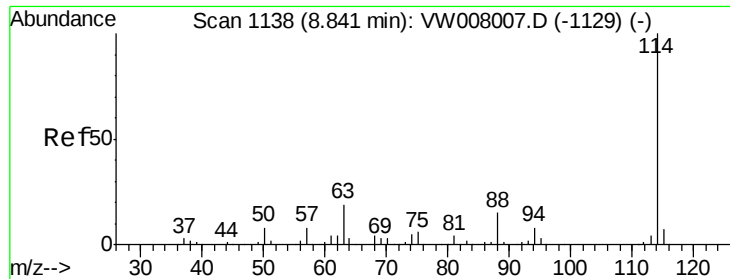


Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



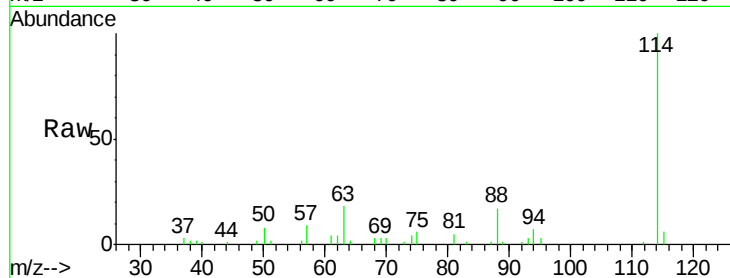
Time-->



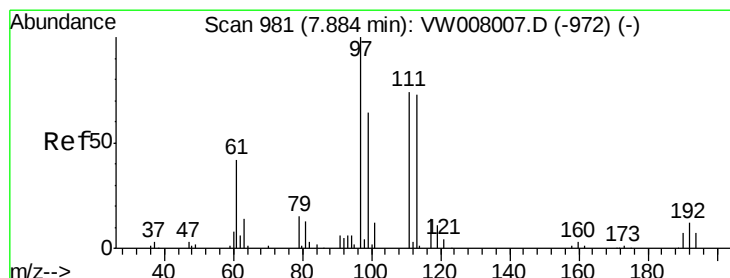
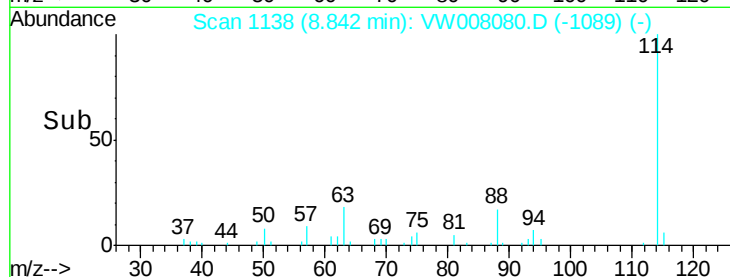
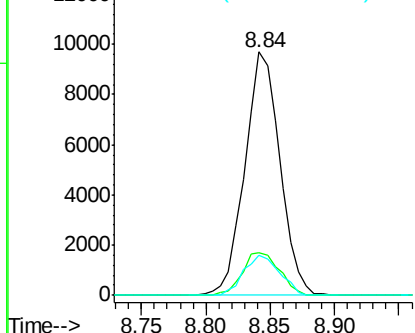
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008080.D
 Acq: 07 Jan 2019 19:55

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-3(10-15)

Tot Ion:114 Resp: 18231
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.8
 88 16.7 0.0 31.0

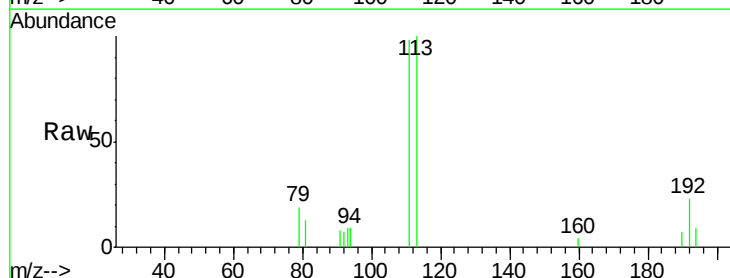


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

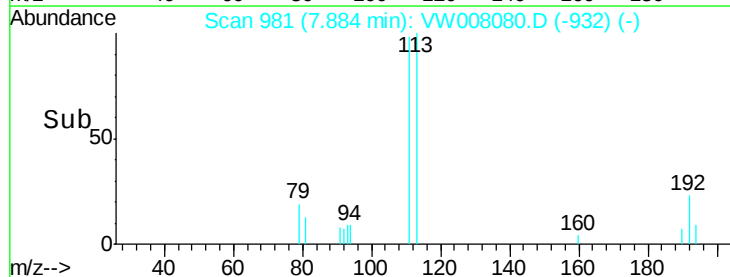
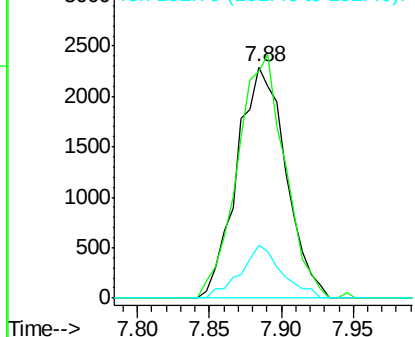


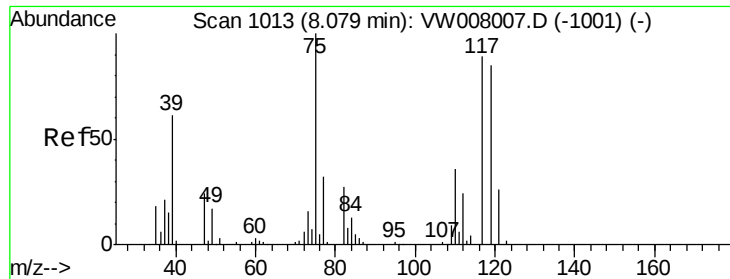
#35
 Dibromofluoromethane
 Concen: 47.020 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008080.D
 Acq: 07 Jan 2019 19:55

Tgt Ion:113 Resp: 5404
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 19.3 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

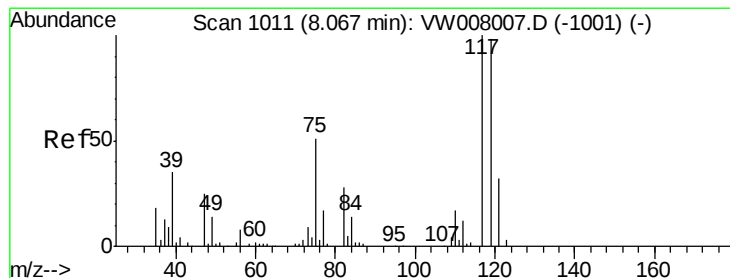
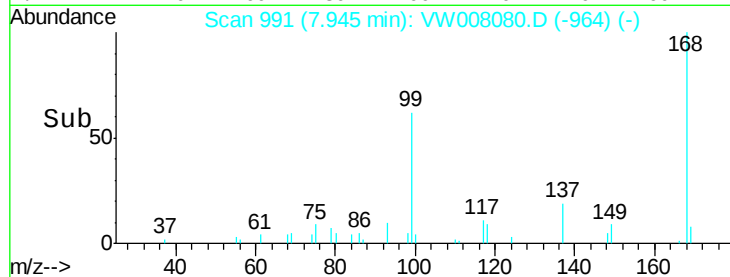
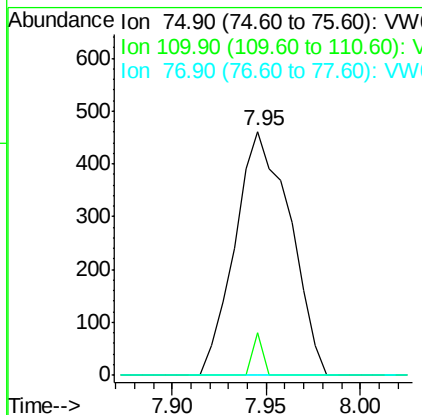
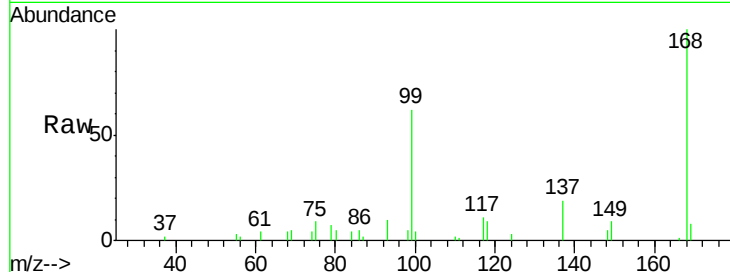




#36
 1,1-Dichloropropene
 Concen: 5.188 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008080.D
 Acq: 07 Jan 2019 19:55

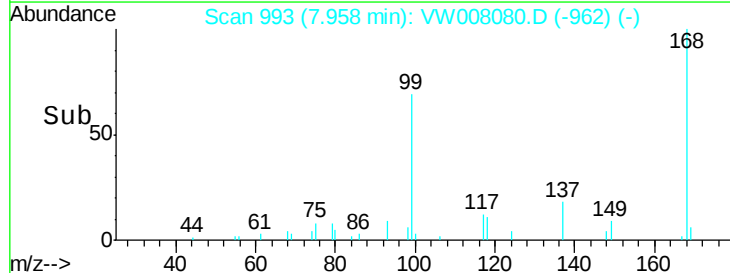
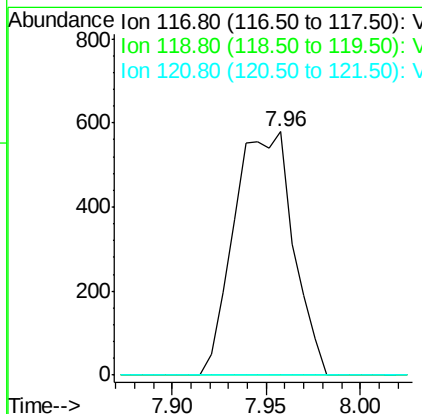
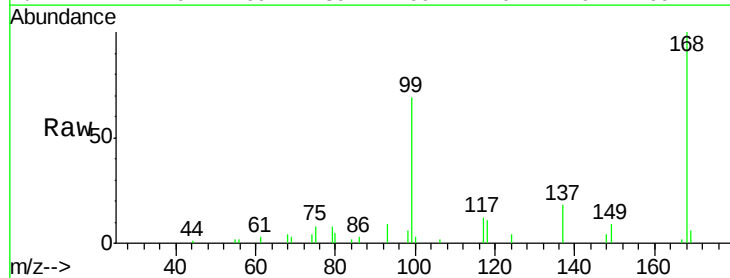
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-3(10-15)

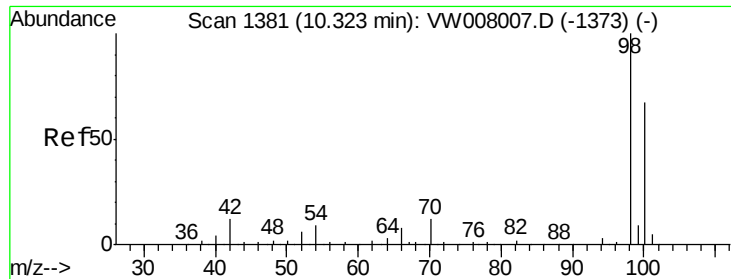
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.2	18.1	54.3#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 5.823 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.11 min
 Lab File: VW008080.D
 Acq: 07 Jan 2019 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.7	118.1#
121	0.0	25.8	38.8#





#50

Toluene-d8

Concen: 48.728 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008080.D

Acq: 07 Jan 2019 19:55

Instrument :

MSVOA_W

ClientSampled :

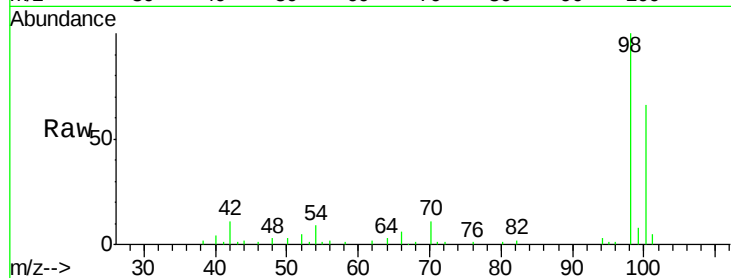
CPSB-3(10-15)

Tot Ion: 98 Resp: 21008

Ion Ratio Lower Upper

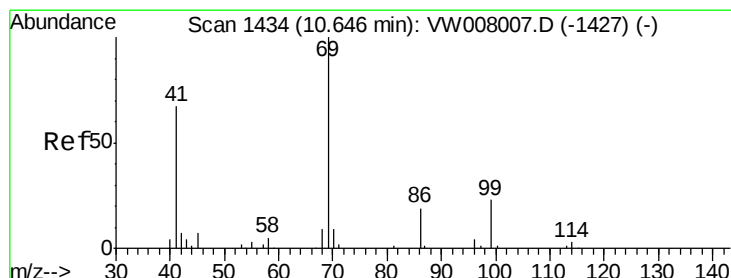
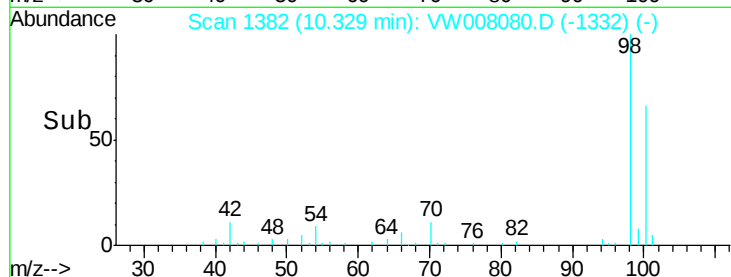
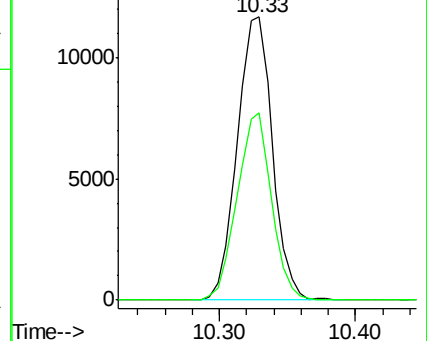
98 100

100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#56

Ethyl methacrylate

Concen: 1.480 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VW008080.D

Acq: 07 Jan 2019 19:55

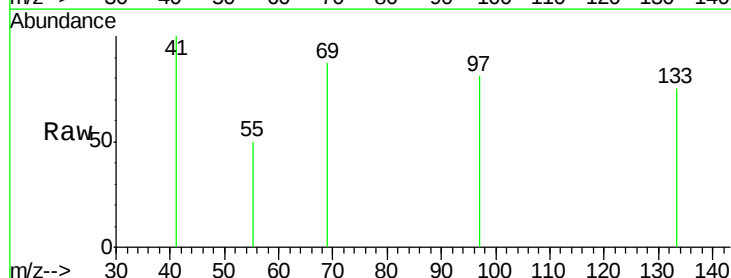
Tgt Ion: 69 Resp: 136

Ion Ratio Lower Upper

69 100

41 148.5 52.6 79.0#

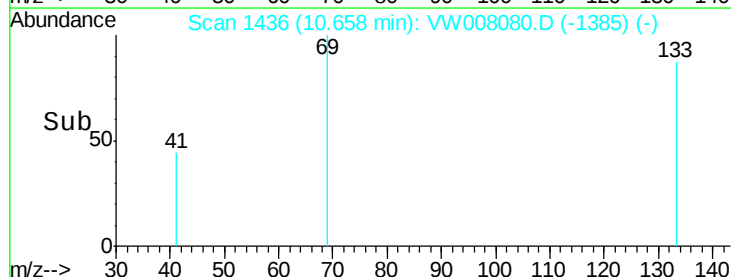
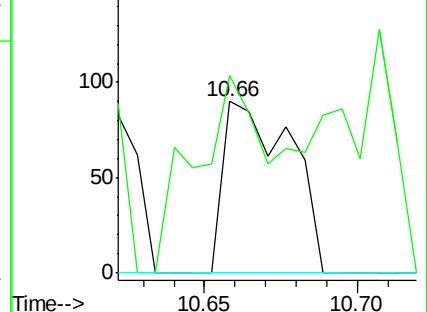
39 0.0 35.8 53.6#

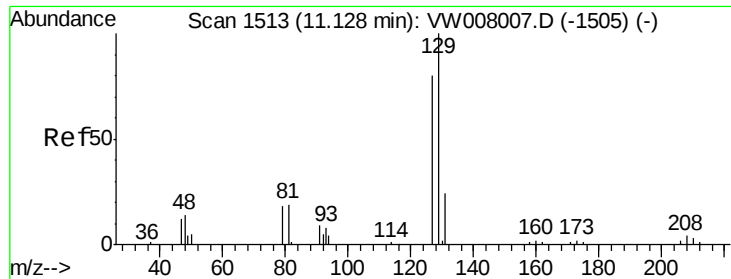


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

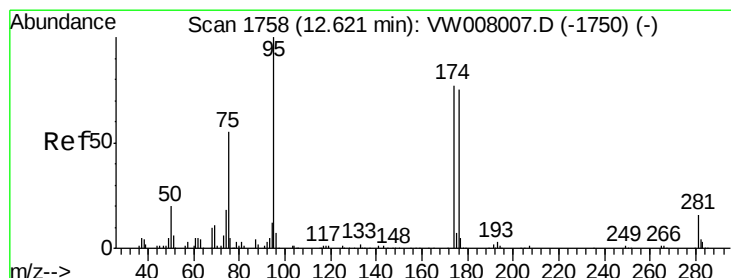
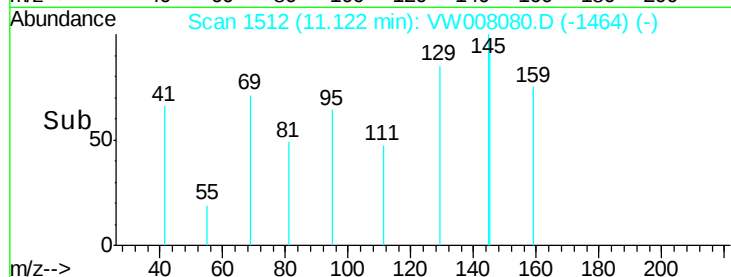
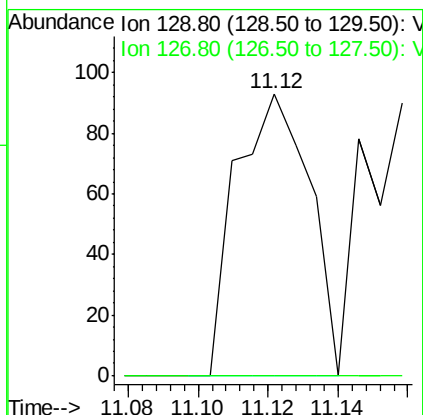
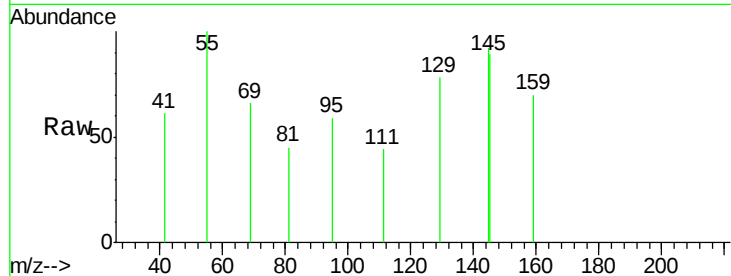




#60
 Dibromochloromethane
 Concen: 1.222 ug/l
 RT: 11.12 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VW008080.D
 Acq: 07 Jan 2019 19:55

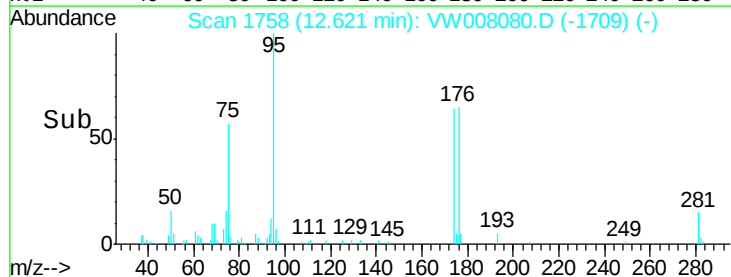
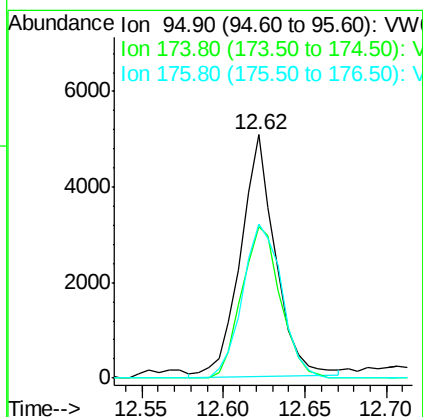
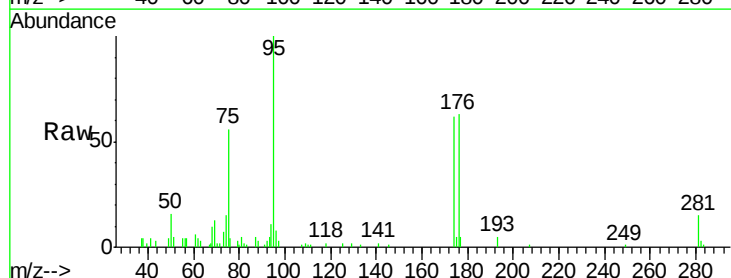
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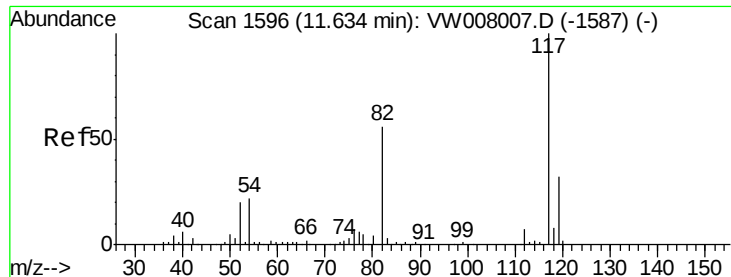
Tot Ion:129 Resp: 136
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 45.585 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008080.D
 Acq: 07 Jan 2019 19:55

Tgt Ion: 95 Resp: 7537
 Ion Ratio Lower Upper
 95 100
 174 69.4 0.0 149.6
 176 71.8 0.0 145.4

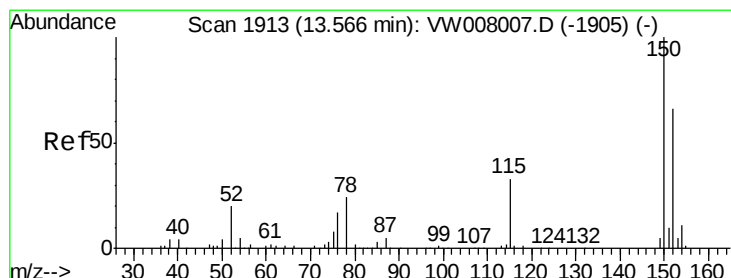
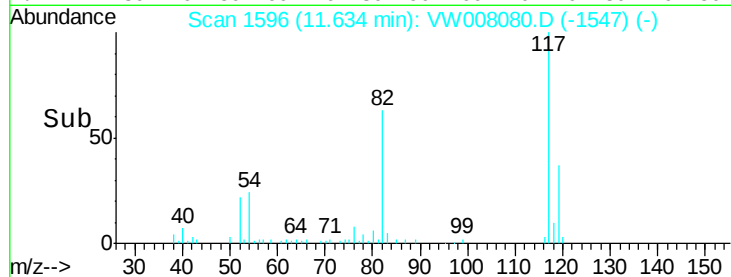
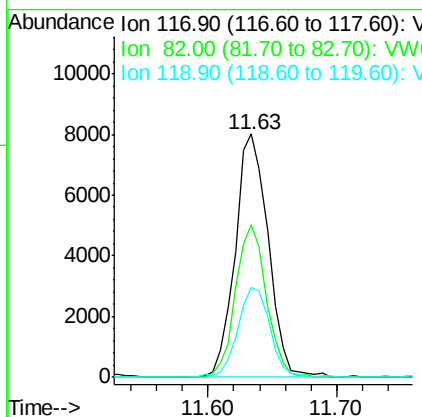
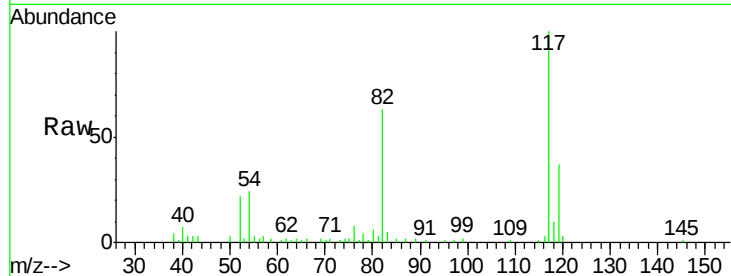




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008080.D
Acq: 07 Jan 2019 19:55

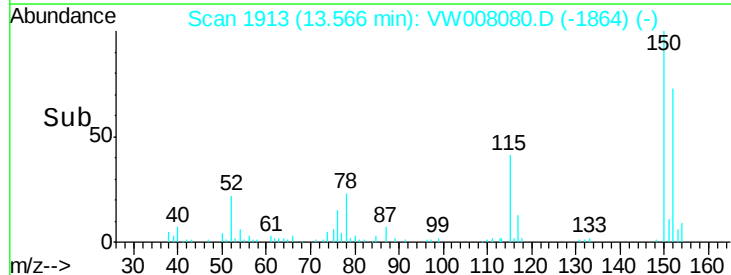
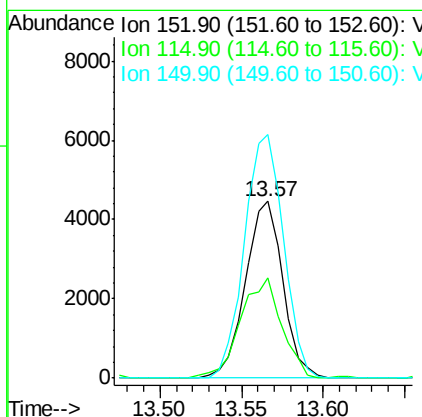
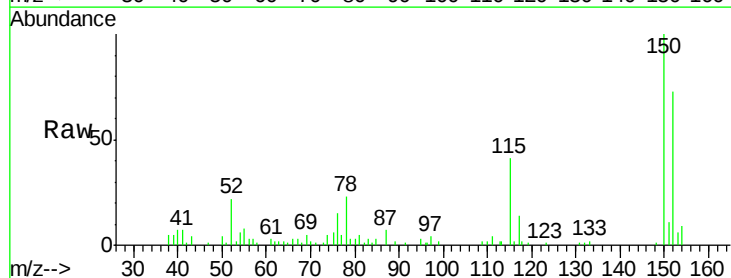
Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)

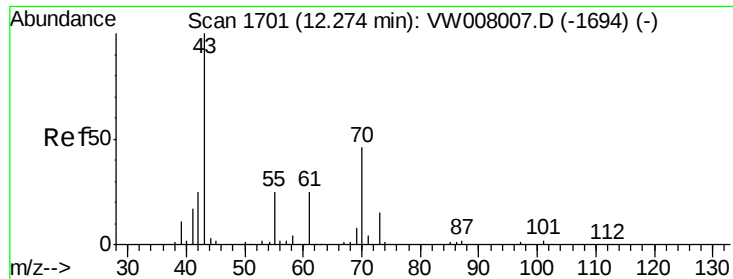
Tot Ion:117 Resp: 14203
Ion Ratio Lower Upper
117 100
82 62.8 44.8 67.2
119 37.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW008080.D
Acq: 07 Jan 2019 19:55

Tgt Ion:152 Resp: 7125
Ion Ratio Lower Upper
152 100
115 62.2 32.1 96.5
150 143.9 0.0 345.0





#74

N-amvl acetate

Concen: 4.706 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008080.D

Acq: 07 Jan 2019 19:55

Instrument :

MSVOA_W

ClientSampled :

CPSB-3(10-15)

Tot Ion: 43 Resp: 415

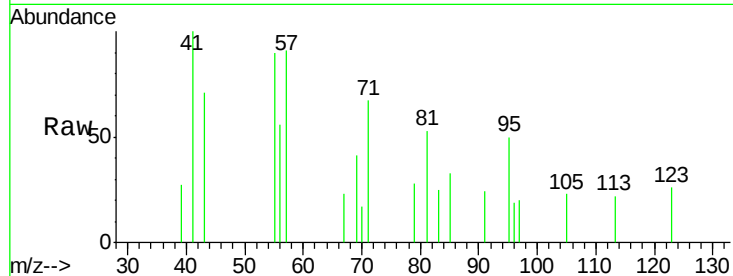
Ion Ratio Lower Upper

43 100

70 14.2 35.2 52.8#

55 45.3 21.4 32.0#

61 0.0 19.4 29.0#

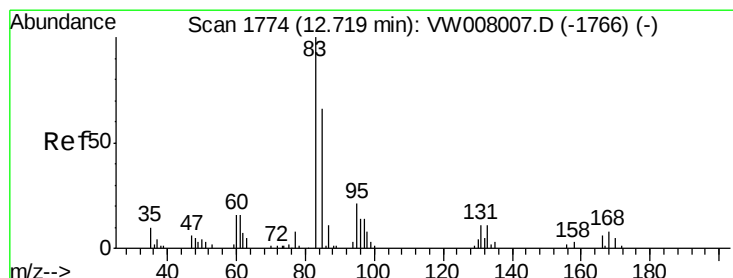
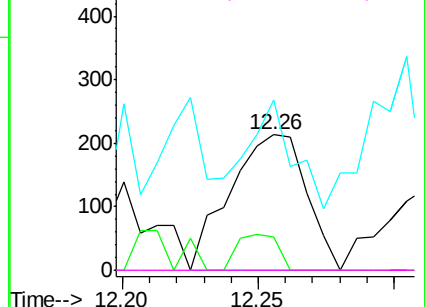
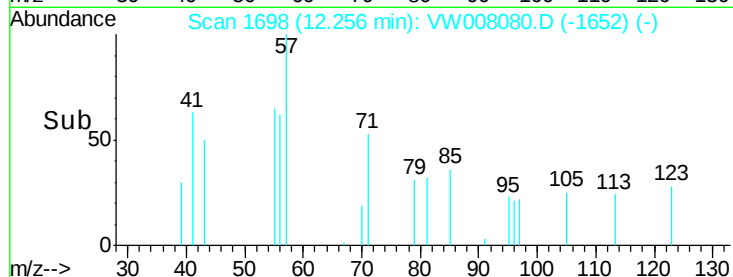


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 3.884 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW008080.D

Acq: 07 Jan 2019 19:55

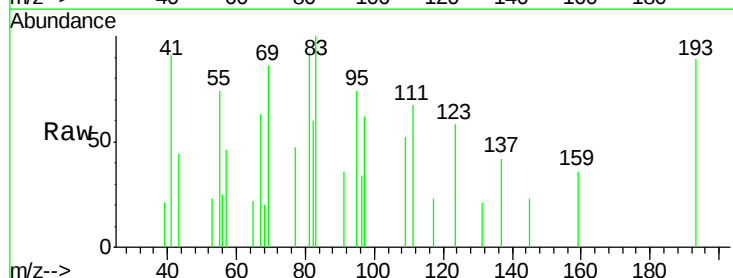
Tgt Ion: 83 Resp: 280

Ion Ratio Lower Upper

83 100

131 35.0 6.5 19.5#

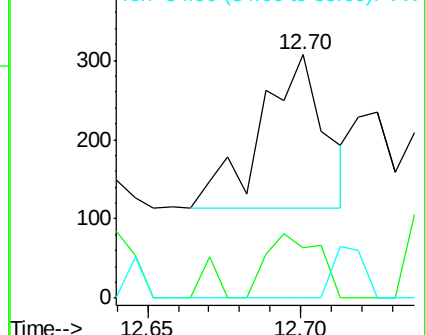
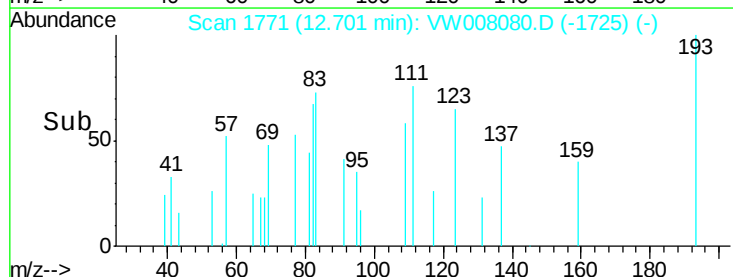
85 16.4 32.8 98.3#

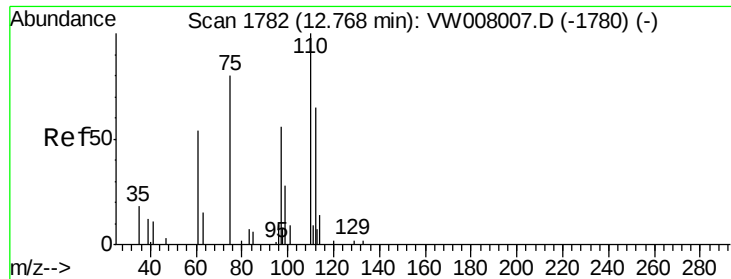


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 72.226 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008080.D

Acq: 07 Jan 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

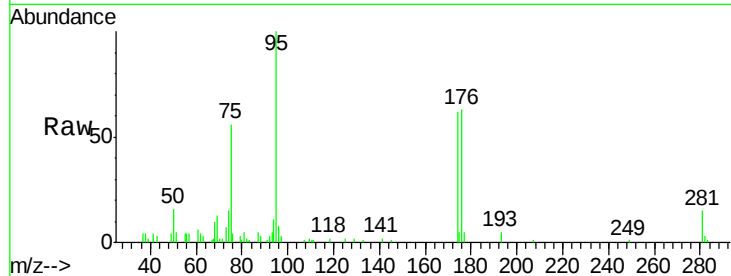
CPSB-3(10-15)

Tot Ion: 75 Resp: 4094

Ion Ratio Lower Upper

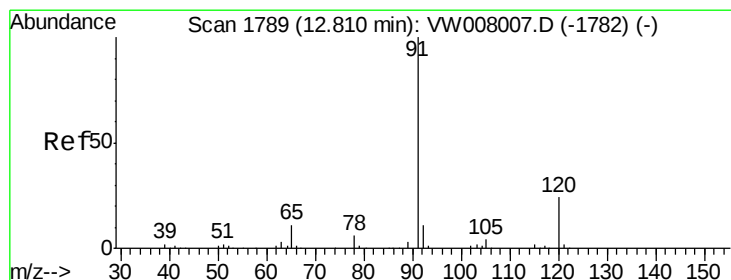
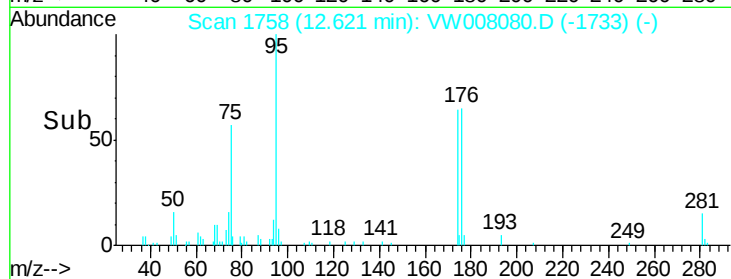
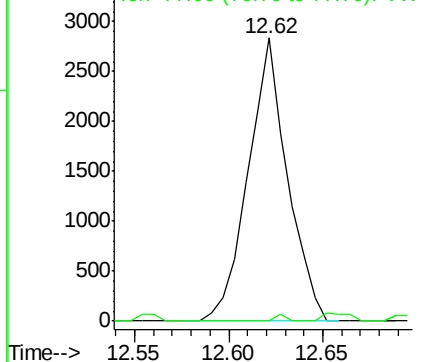
75 100

77 0.6 186.2 558.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#78

n-propylbenzene

Concen: 1.127 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008080.D

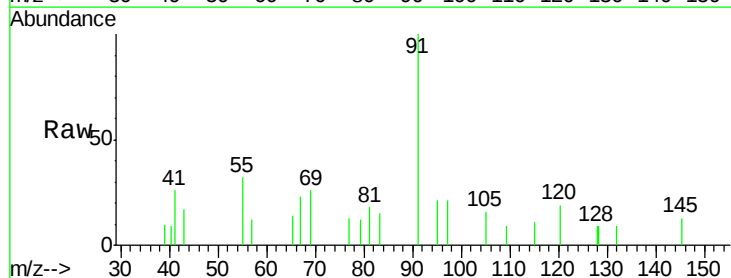
Acq: 07 Jan 2019 19:55

Tgt Ion: 91 Resp: 740

Ion Ratio Lower Upper

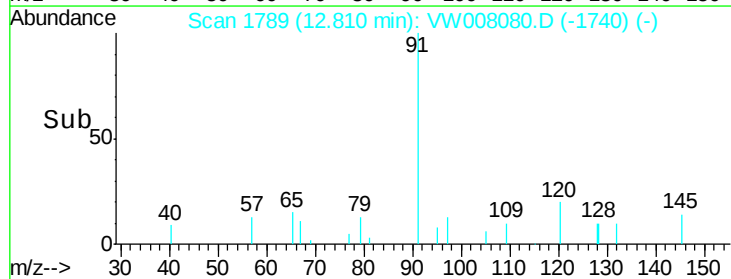
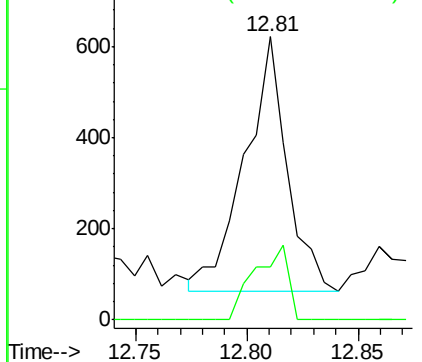
91 100

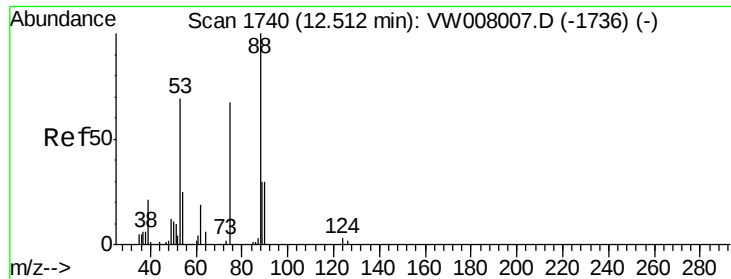
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

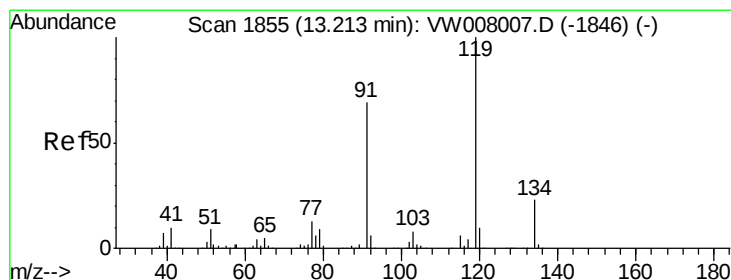
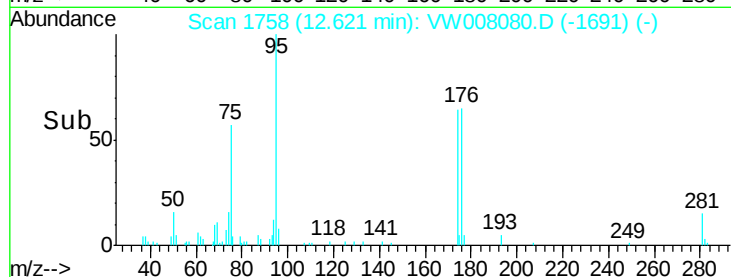
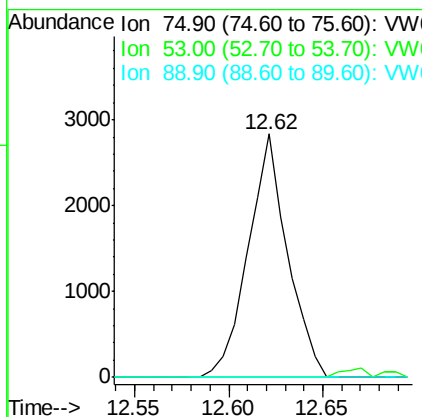
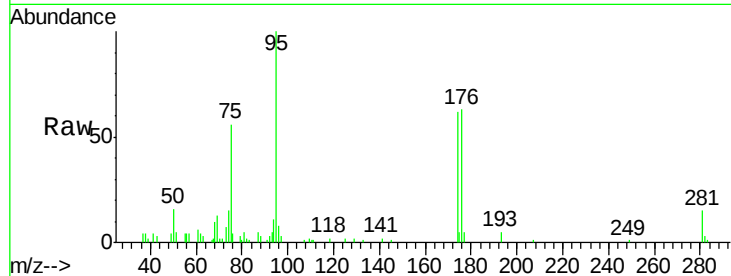




#81
trans-1,4-Dichloro-2-butene
Concen: 170.804 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW008080.D
Acq: 07 Jan 2019 19:55

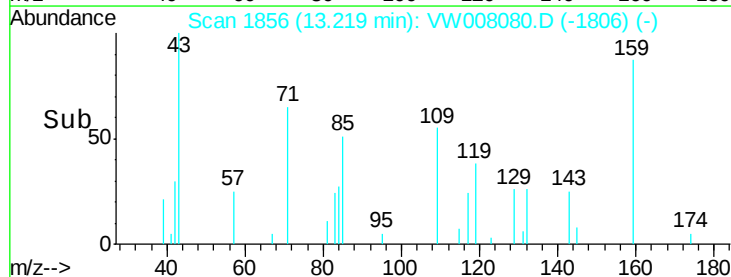
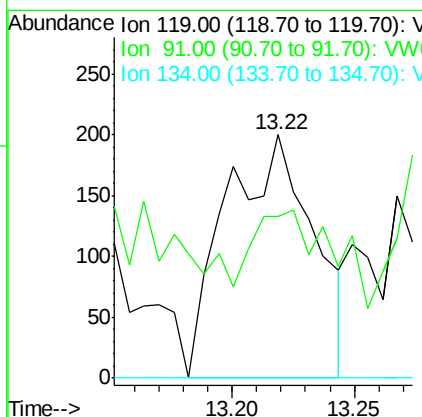
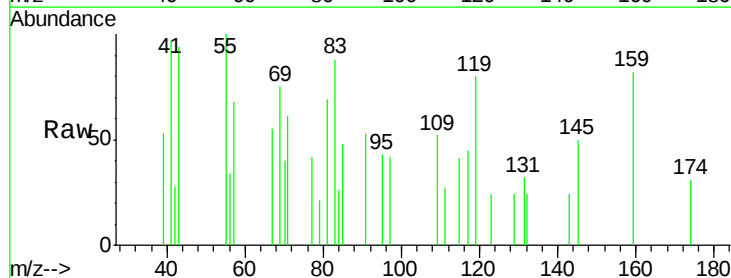
Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)

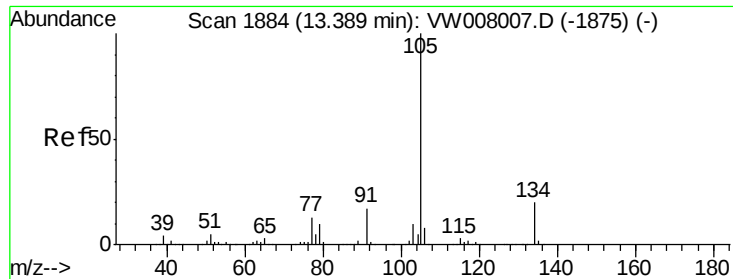
Tot Ion: 75 Resp: 4094
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 42.2 63.2#



#83
tert-Butylbenzene
Concen: 1.170 ug/l
RT: 13.22 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VW008080.D
Acq: 07 Jan 2019 19:55

Tgt Ion: 119 Resp: 499
Ion Ratio Lower Upper
119 100
91 35.9 34.7 104.1
134 0.0 11.5 34.4#





#85

sec-Butylbenzene

Concen: 1.389 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008080.D

Acq: 07 Jan 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

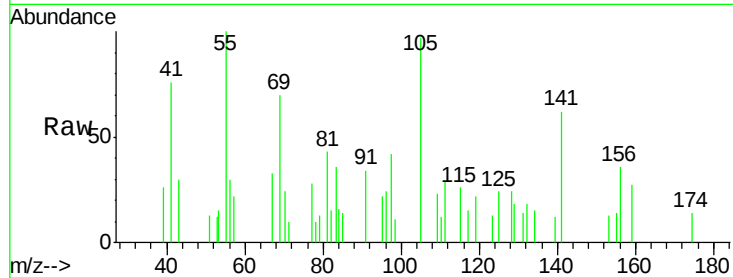
CPSB-3(10-15)

Tot Ion:105 Resp: 815

Ion Ratio Lower Upper

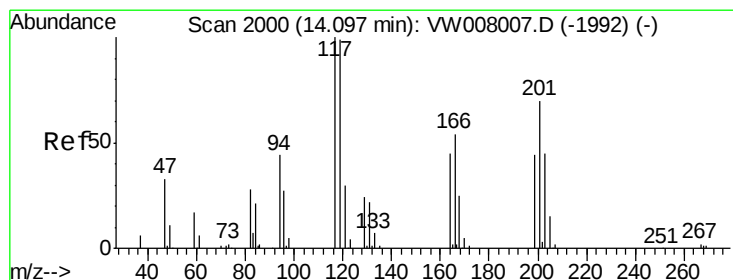
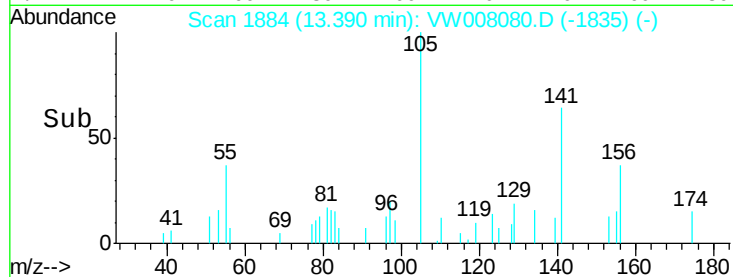
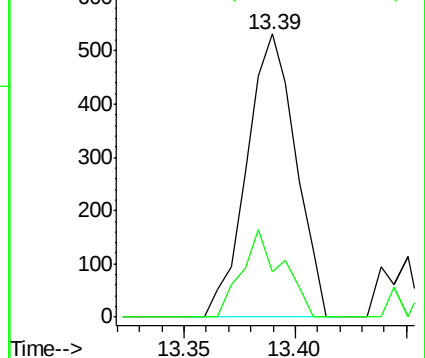
105 100

134 25.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 3.298 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008080.D

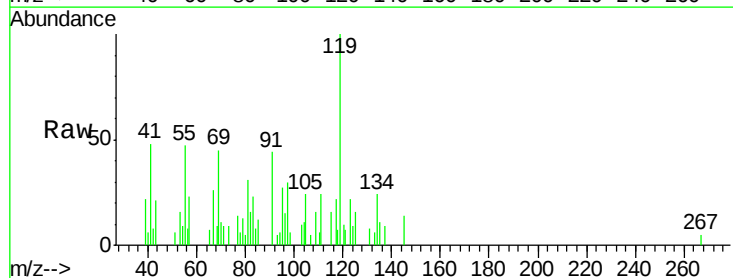
Acq: 07 Jan 2019 19:55

Tgt Ion:117 Resp: 303

Ion Ratio Lower Upper

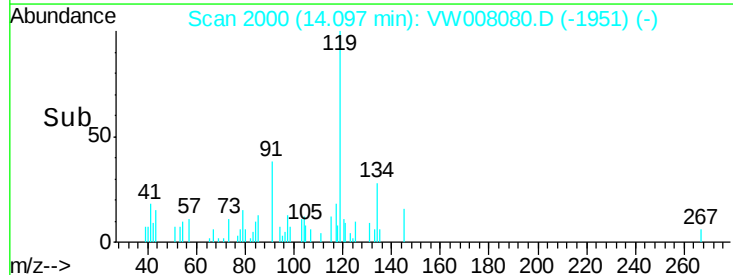
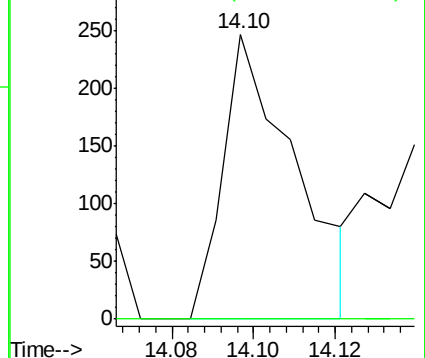
117 100

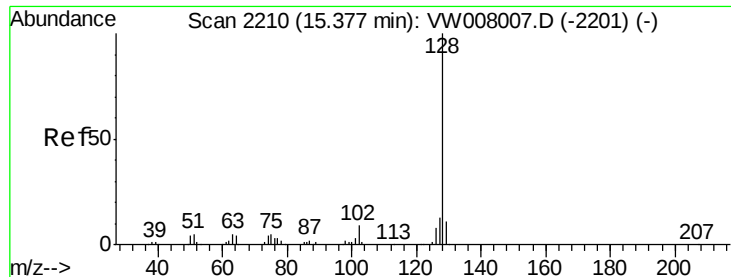
201 0.0 37.1 111.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

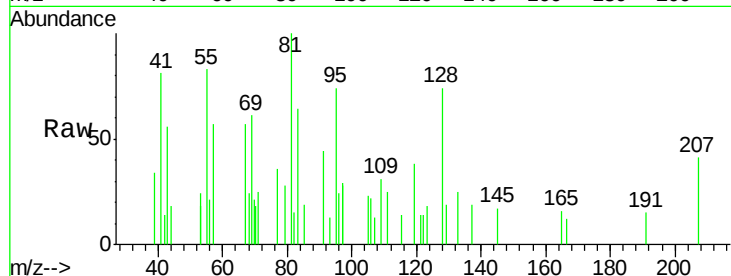




#95
Naphthalene
Concen: 2.579 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008080.D
Acq: 07 Jan 2019 19:55

Instrument :
MSVOA_W
ClientSampleId :
CPSB-3(10-15)

Tot Ion:128 Resp: 666
Ion Ratio Lower Upper
128 100
127 3.3 10.8 16.2#
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

