

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008048.D
 Acq On : 04 Jan 2019 15:29
 Operator : SY/AP
 Sample : K1044-04
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-11(20-25)

Quant Time: Jan 05 00:37:22 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	53399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	87921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	73413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	34272	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	30897	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	7.88	113	26763	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	10.32	98	104666	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	35910	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

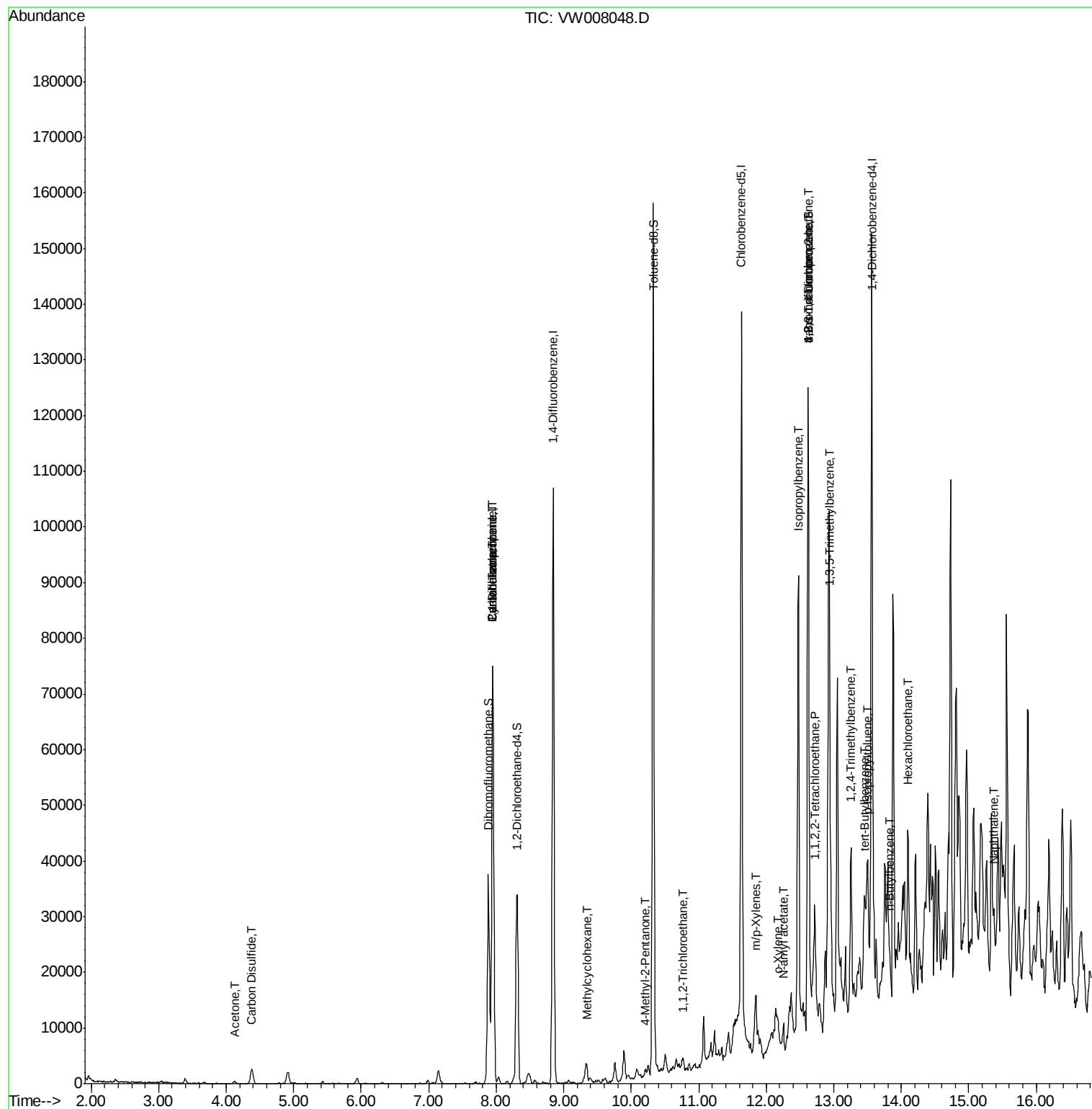
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	799	8.739	ug/l	91
17) Carbon Disulfide	4.38	76	5497	3.357	ug/l	95
31) Cyclohexane	7.95	56	1761	1.951	ug/l #	59
36) 1,1-Dichloropropene	7.95	75	4392	5.064	ug/l #	49
38) Carbon Tetrachloride	7.95	117	6204	5.969	ug/l #	14
39) Methylcyclohexane	9.34	83	1479	1.368	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	529	2.195	ug/l #	65
55) 1,1,2-Trichloroethane	10.76	97	528	1.347	ug/l #	43
68) m/p-Xylenes	11.84	106	1438	1.336	ug/l	91
69) o-Xylene	12.18	106	1053	1.051	ug/l	92
73) Isopropylbenzene	12.48	105	5008	1.838	ug/l	76
74) N-amyl acetate	12.25	43	1045	2.463	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.72	83	838	2.417	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	19800	72.620	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	4326	1.844	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.62	75	19800	171.736	ug/l #	6
83) tert-Butylbenzene	13.44	119	3286	1.601	ug/l	75
84) 1,2,4-Trimethylbenzene	13.26	105	16993	7.152	ug/l	100
86) p-Isopropyltoluene	13.51	119	10167	3.992	ug/l	94
89) n-Butylbenzene	13.83	91	3235	1.389	ug/l #	74
90) Hexachloroethane	14.10	117	1231	2.786	ug/l #	12
95) Naphthalene	15.37	128	5938	4.780	ug/l #	87

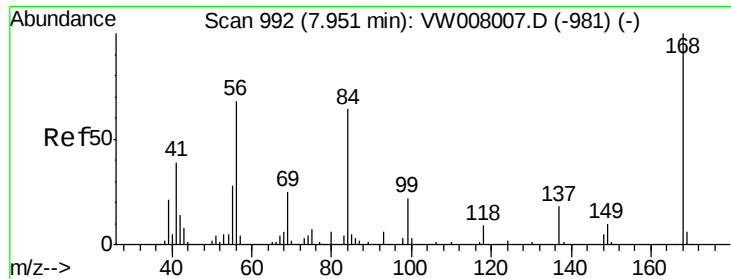
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 04 Jan 2019 15:29
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CPSB-11(20-25)

Quant Time: Jan 05 00:37:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
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: VW008048.D

Acq: 04 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

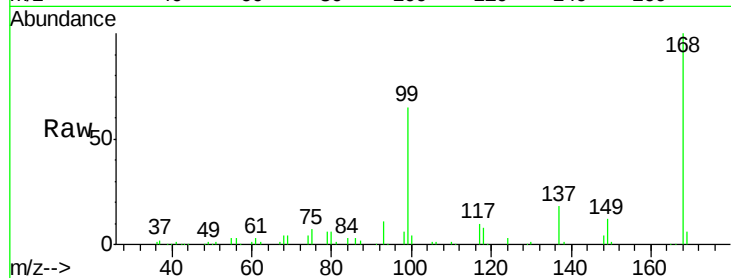
CPSB-11(20-25)

Tot Ion:168 Resp: 53399

Ion Ratio Lower Upper

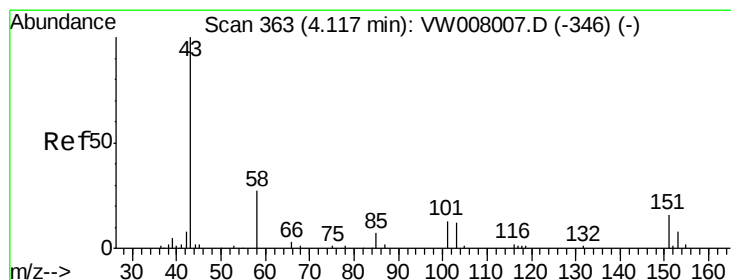
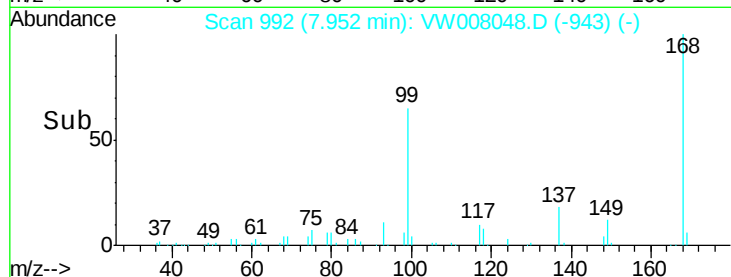
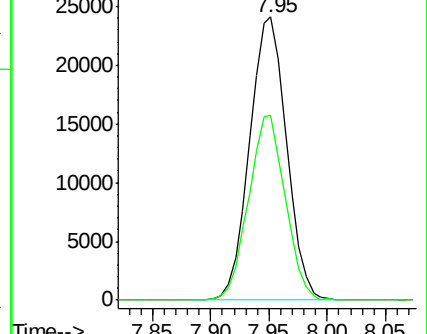
168 100

99 65.4 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: 8.739 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008048.D

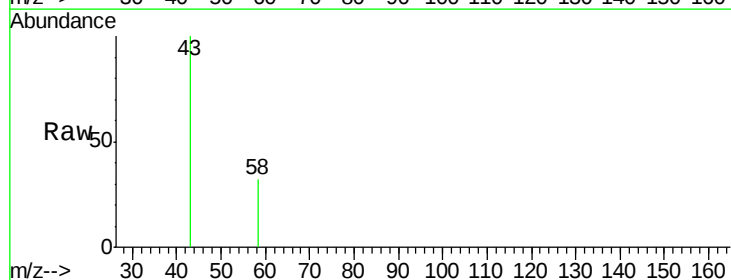
Acq: 04 Jan 2019 15:29

Tgt Ion: 43 Resp: 799

Ion Ratio Lower Upper

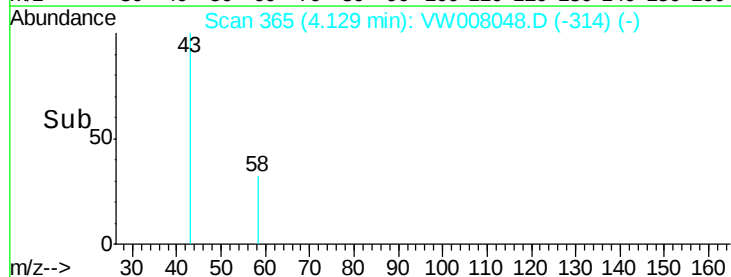
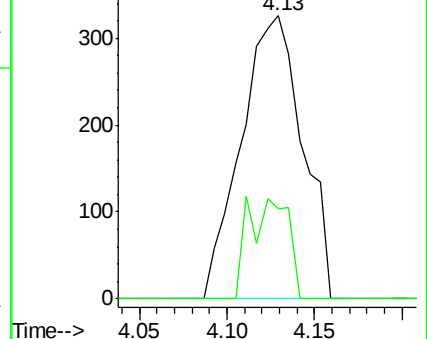
43 100

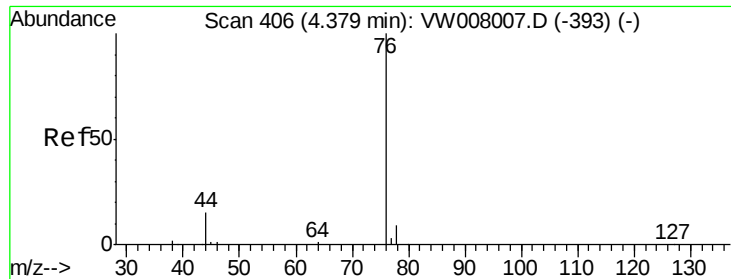
58 31.6 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 3.357 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

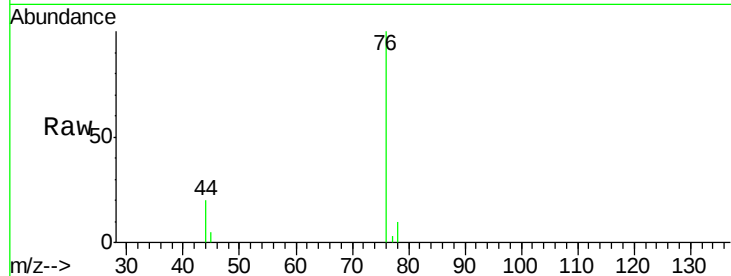
CPSB-11(20-25)

Tot Ion: 76 Resp: 5497

Ion Ratio Lower Upper

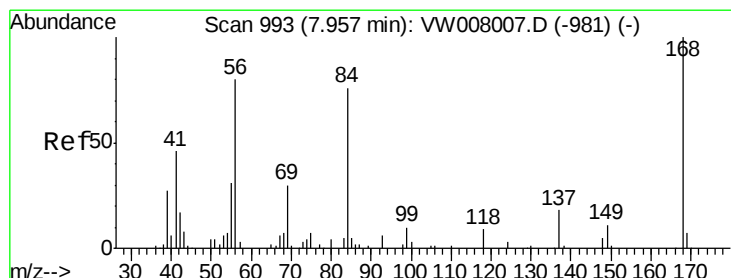
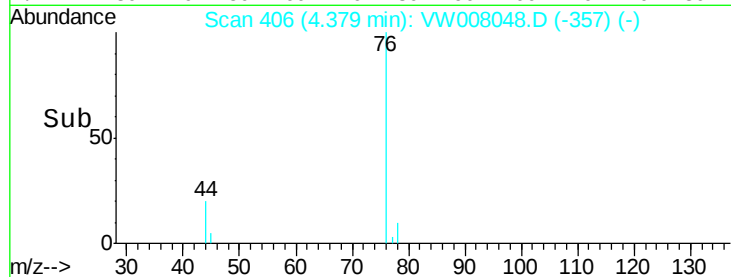
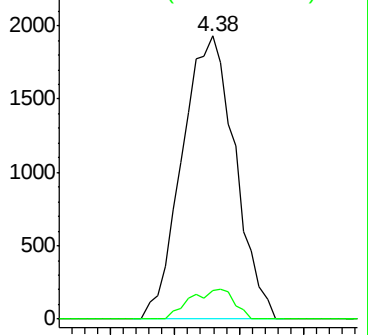
76 100

78 10.3 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#31

Cyclohexane

Concen: 1.951 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

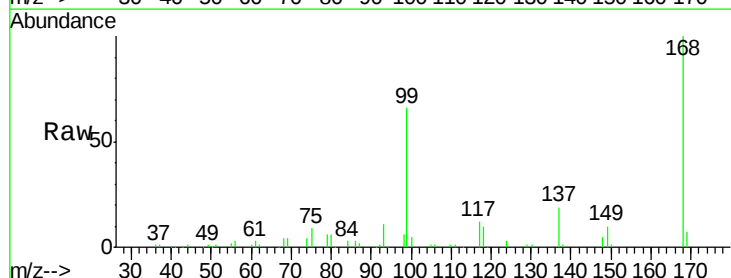
Tgt Ion: 56 Resp: 1761

Ion Ratio Lower Upper

56 100

69 105.6 29.8 44.6#

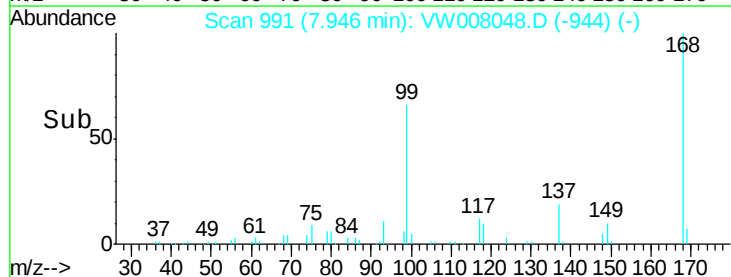
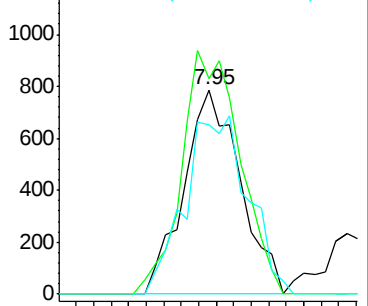
84 82.7 75.2 112.8

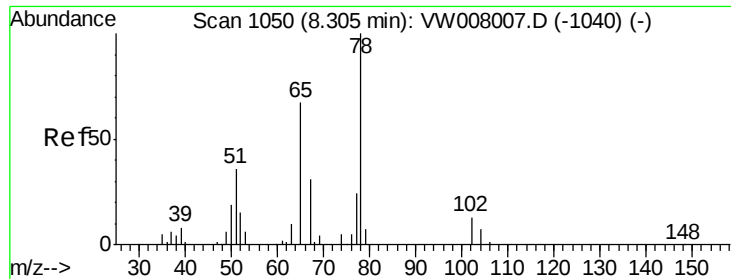


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 52.312 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

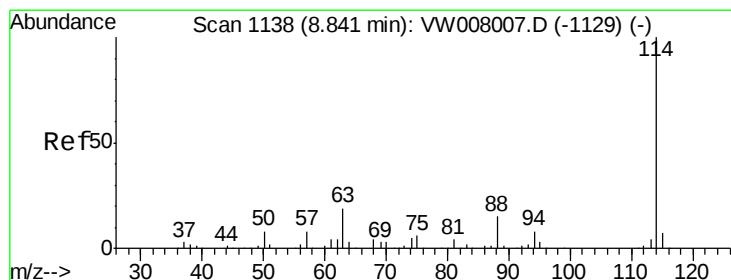
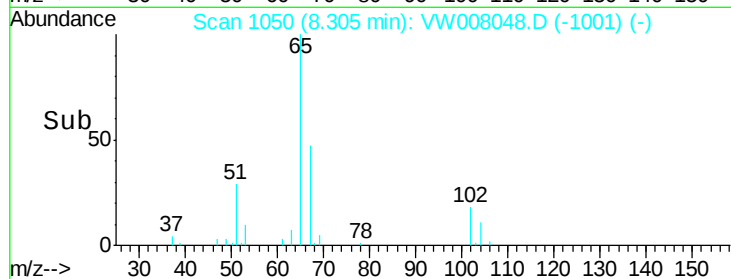
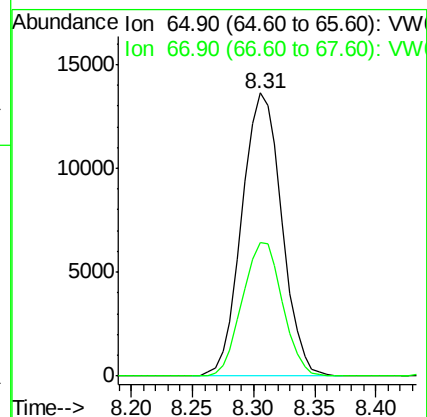
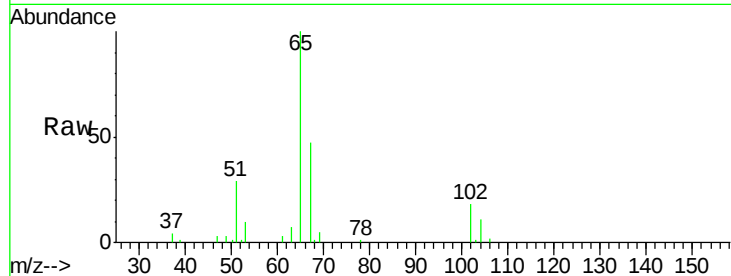
CPSB-11(20-25)

Tot Ion: 65 Resp: 30897

Ion Ratio Lower Upper

65 100

67 47.6 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: VW008048.D

Acq: 04 Jan 2019 15:29

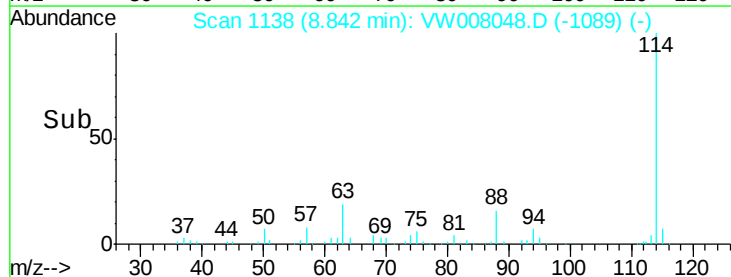
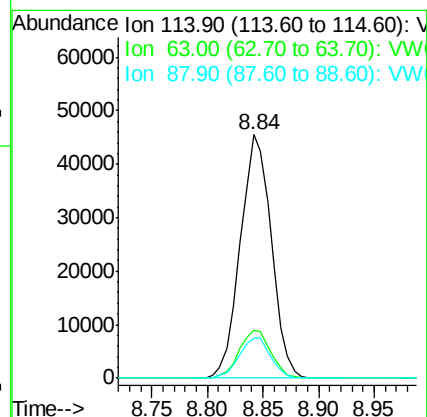
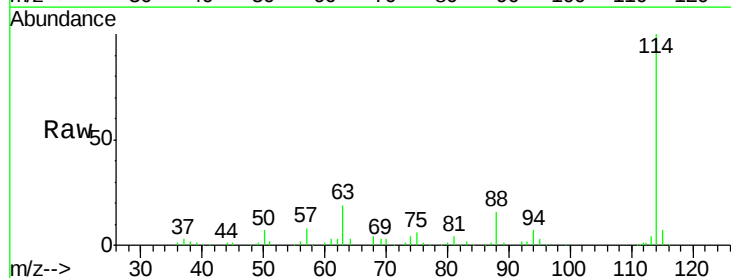
Tgt Ion: 114 Resp: 87921

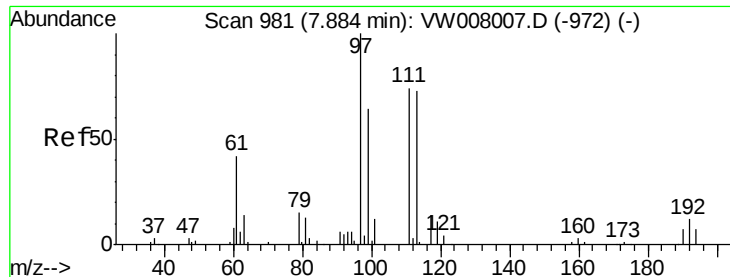
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.8

88 16.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.286 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

CPSB-11(20-25)

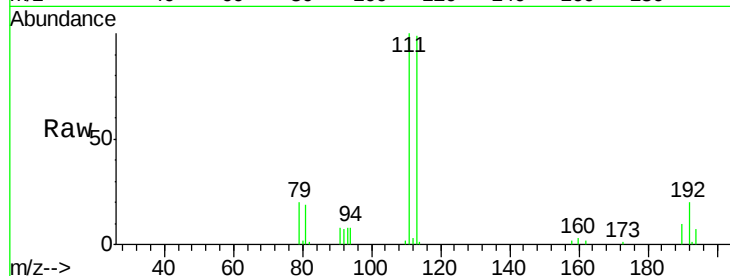
Tot Ion:113 Resp: 26763

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

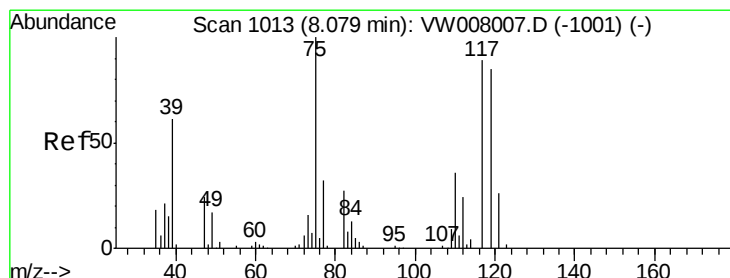
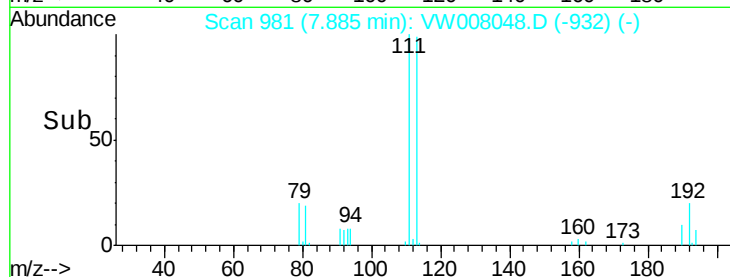
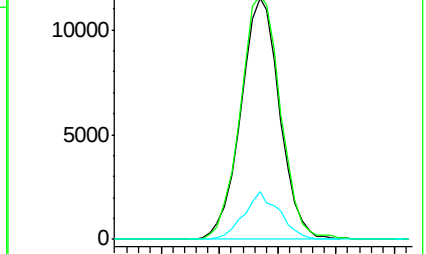
192 18.0 14.8 22.2



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: 5.064 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

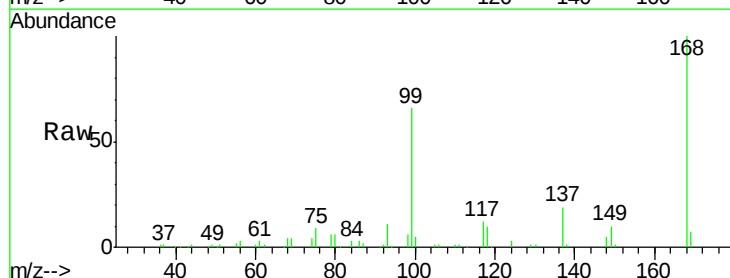
Tgt Ion: 75 Resp: 4392

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.3#

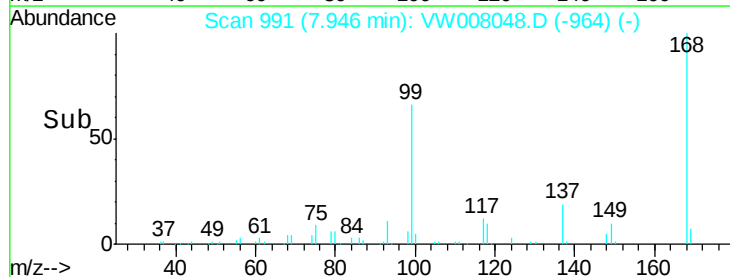
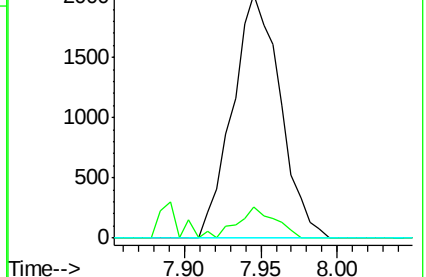
77 0.0 25.3 37.9#

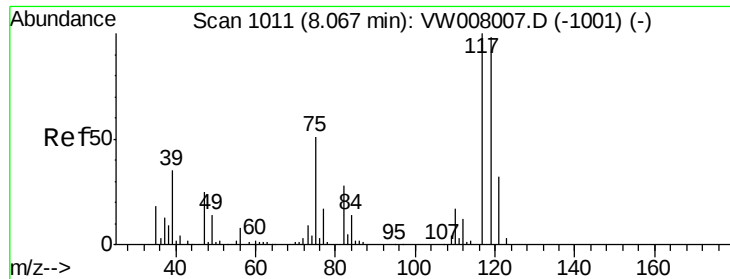


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

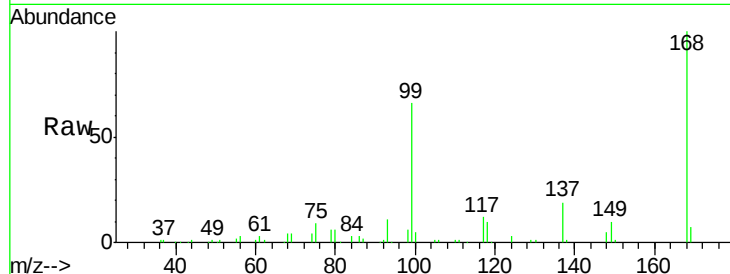




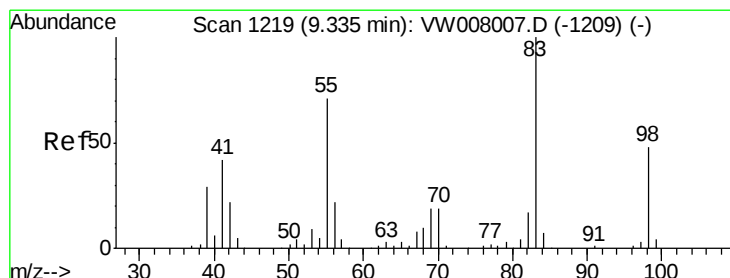
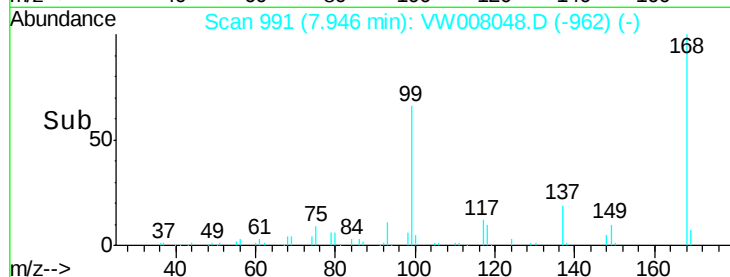
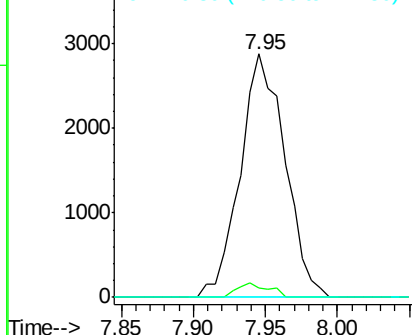
#38
Carbon Tetrachloride
Concen: 5.969 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Instrument :
MSVOA_W
ClientSampleId :
CPSB-11(20-25)

Tot Ion:117 Resp: 6204
Ion Ratio Lower Upper
117 100
119 3.6 78.7 118.1#
121 0.0 25.8 38.8#

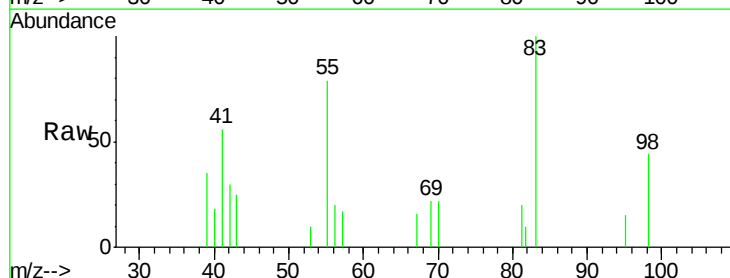


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

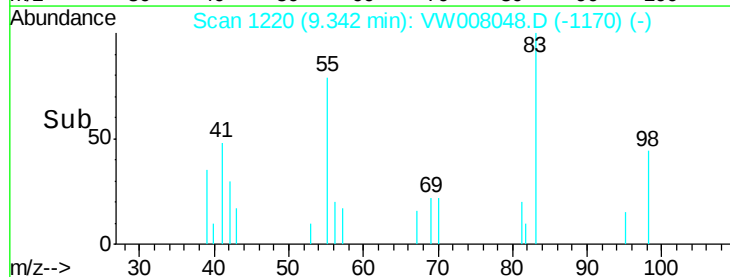
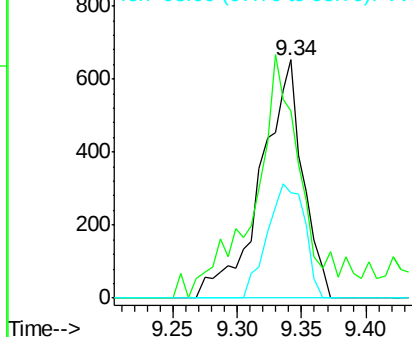


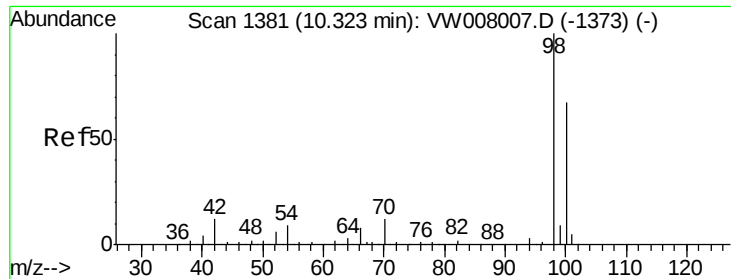
#39
Methylcyclohexane
Concen: 1.368 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Tgt Ion: 83 Resp: 1479
Ion Ratio Lower Upper
83 100
55 78.5 56.8 85.2
98 44.3 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





#50

Toluene-d8

Concen: 50.341 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

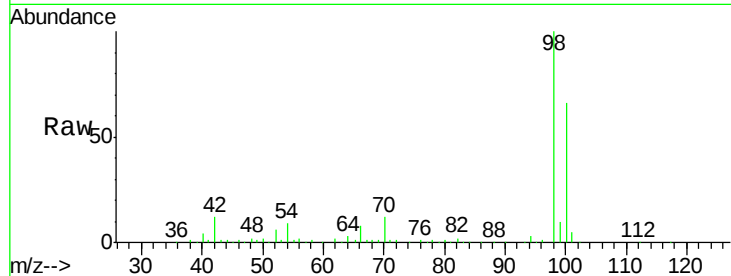
CPSB-11(20-25)

Tot Ion: 98 Resp: 104666

Ion Ratio Lower Upper

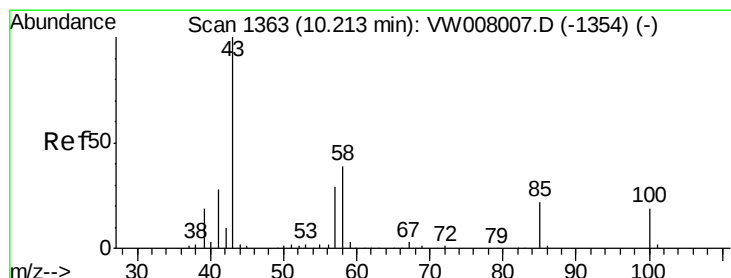
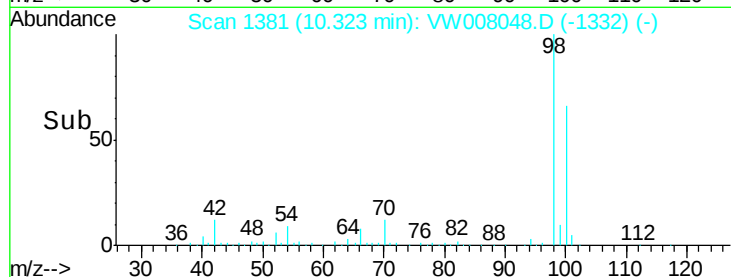
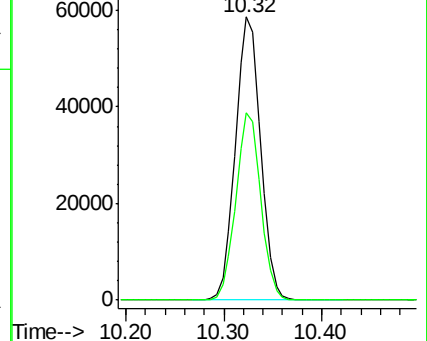
98 100

100 65.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.195 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008048.D

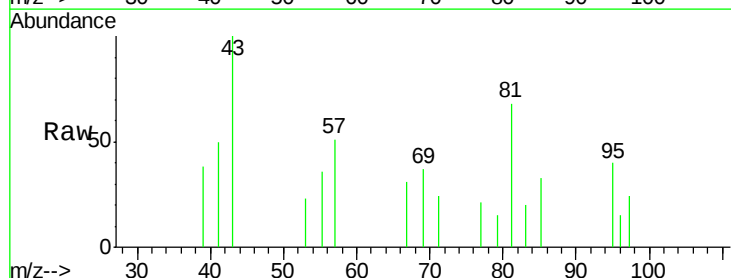
Acq: 04 Jan 2019 15:29

Tgt Ion: 43 Resp: 529

Ion Ratio Lower Upper

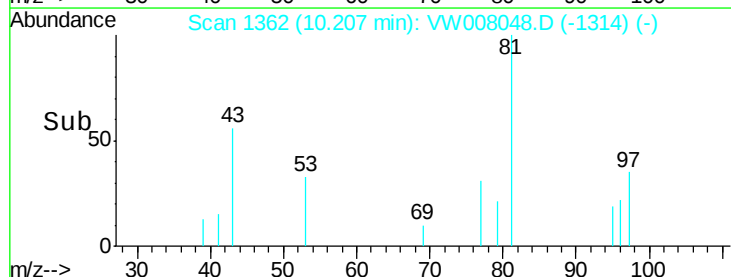
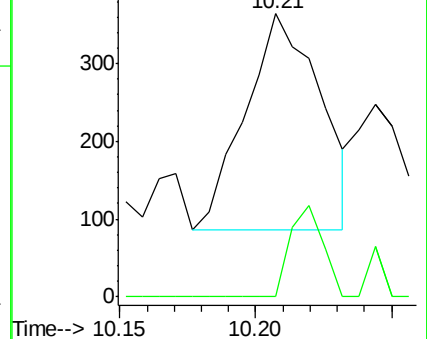
43 100

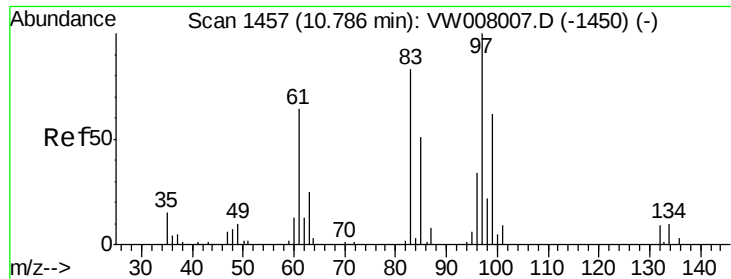
58 18.5 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

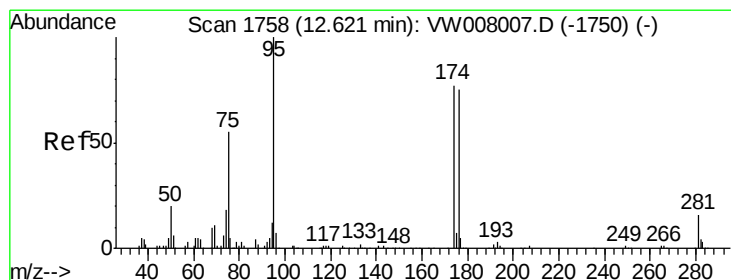
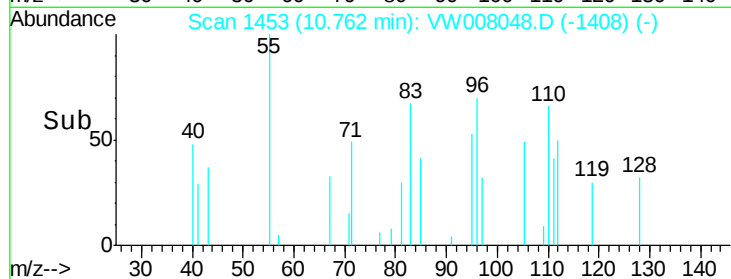
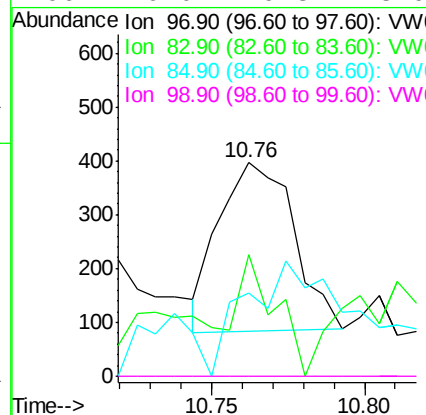
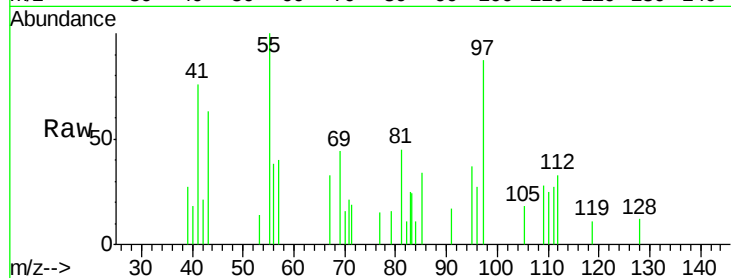




#55
 1,1,2-Trichloroethane
 Concen: 1.347 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW008048.D
 Acq: 04 Jan 2019 15:29

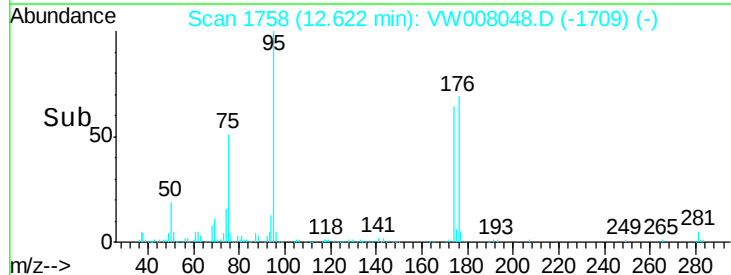
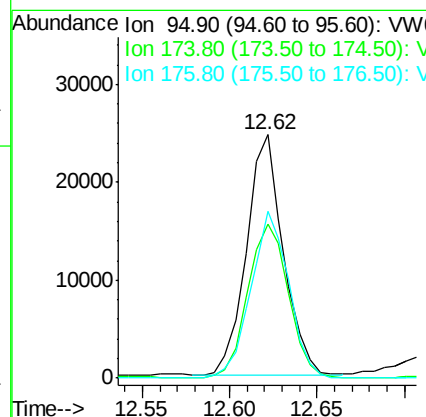
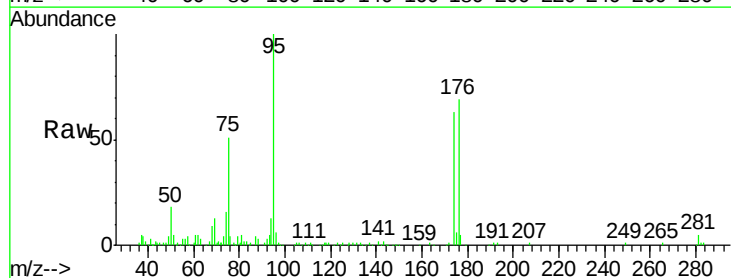
Instrument :
 MSVOA_W
 ClientSampled :
 CPSB-11(20-25)

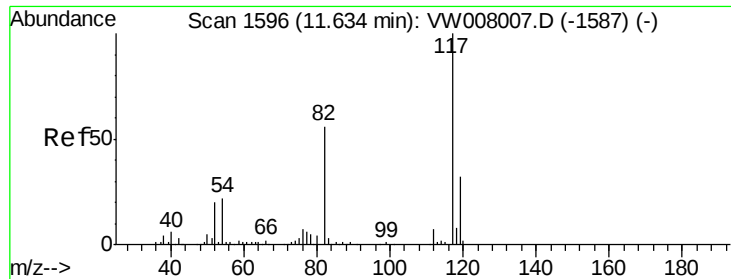
Tot Ion: 97 Resp: 528
 Ion Ratio Lower Upper
 97 100
 83 37.0 66.2 99.2#
 85 23.4 41.0 61.4#
 99 0.0 49.3 73.9#



#62
 4-Bromofluorobenzene
 Concen: 45.036 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008048.D
 Acq: 04 Jan 2019 15:29

Tgt Ion: 95 Resp: 35910
 Ion Ratio Lower Upper
 95 100
 174 70.8 0.0 149.6
 176 71.1 0.0 145.4

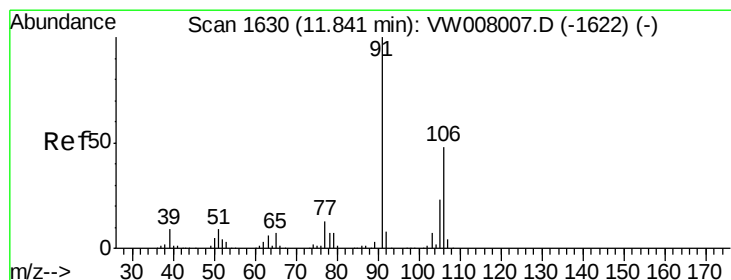
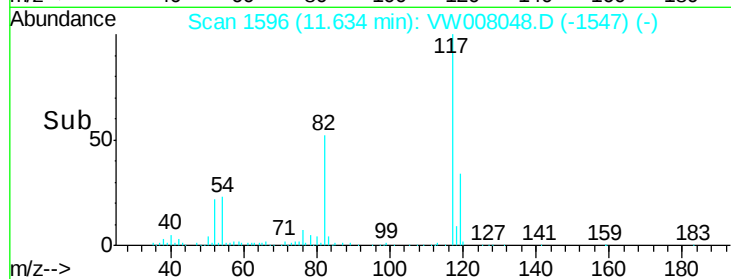
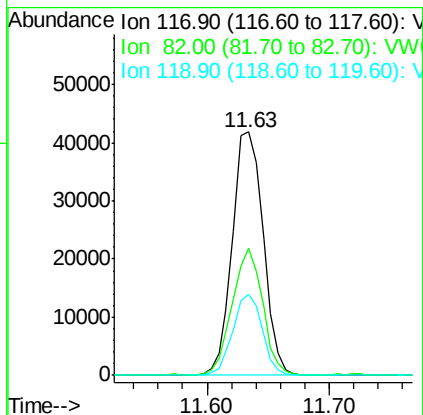
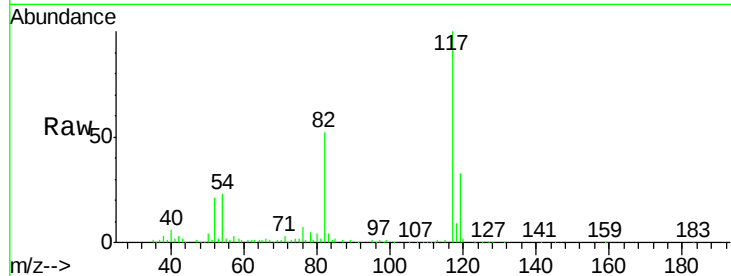




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

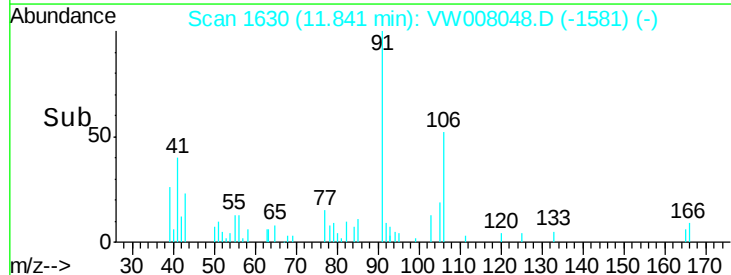
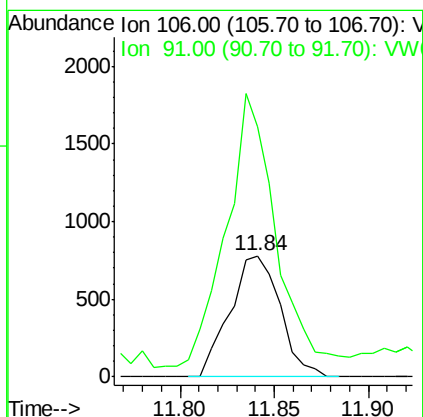
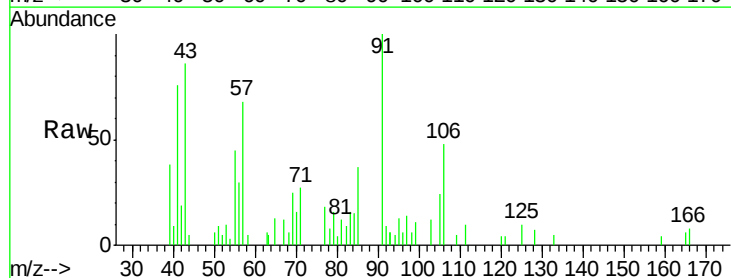
Instrument :
MSVOA_W
ClientSampleId :
CPSB-11(20-25)

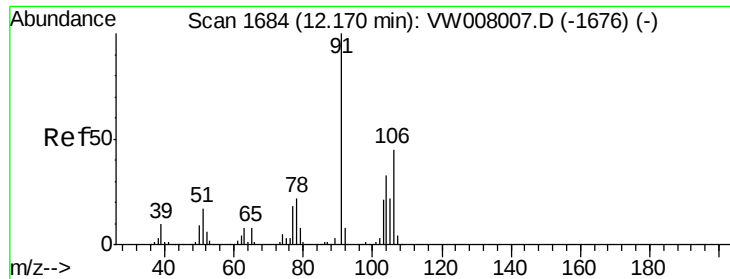
Tot Ion:117 Resp: 73413
Ion Ratio Lower Upper
117 100
82 51.6 44.8 67.2
119 33.3 25.6 38.4



#68
m/p-Xylenes
Concen: 1.336 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Tgt Ion:106 Resp: 1438
Ion Ratio Lower Upper
106 100
91 221.3 165.8 248.8

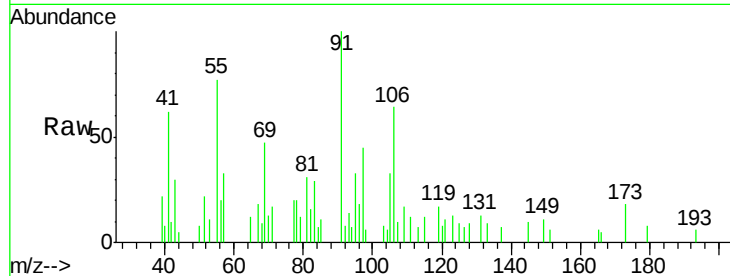




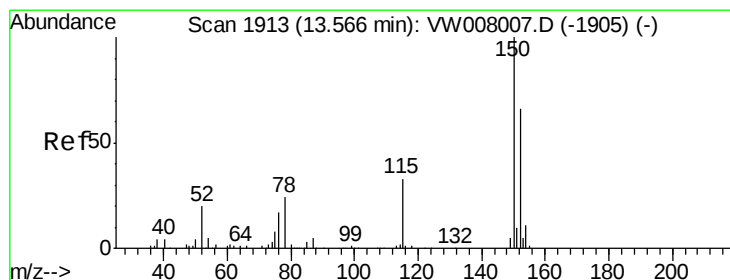
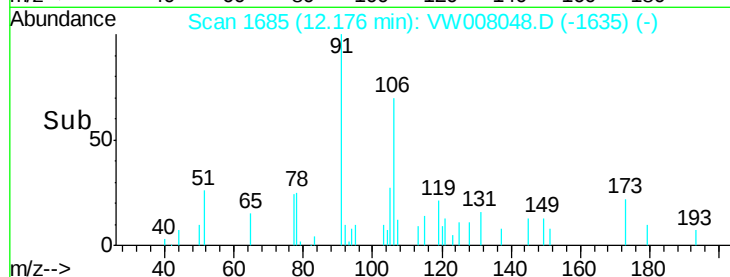
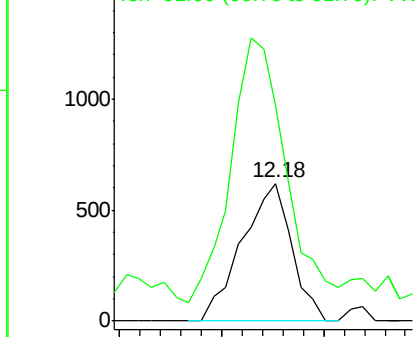
#69
o-Xylene
Concen: 1.051 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Instrument :
MSVOA_W
ClientSampled :
CPSB-11(20-25)

Tot Ion:106 Resp: 1053
Ion Ratio Lower Upper
106 100
91 208.4 110.6 331.6

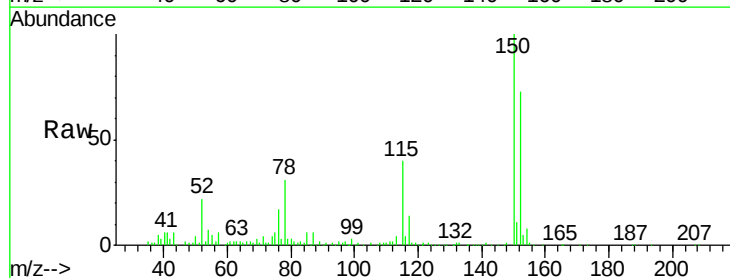


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

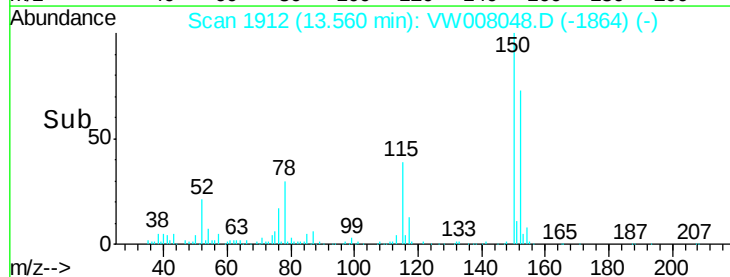
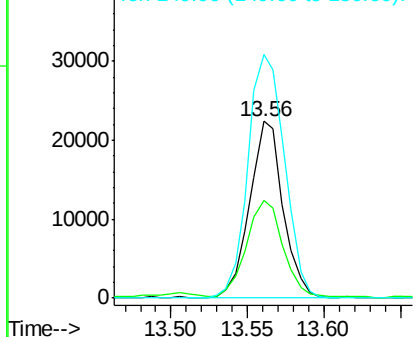


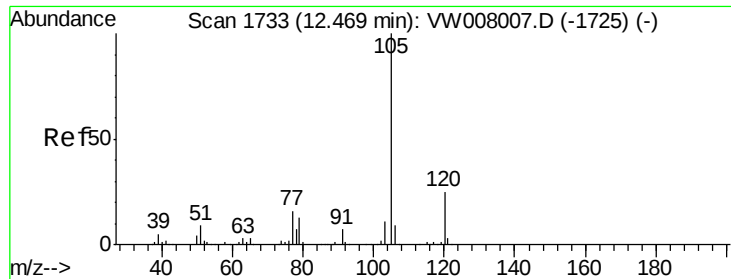
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Tgt Ion:152 Resp: 34272
Ion Ratio Lower Upper
152 100
115 58.8 32.1 96.5
150 150.2 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: 1.838 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

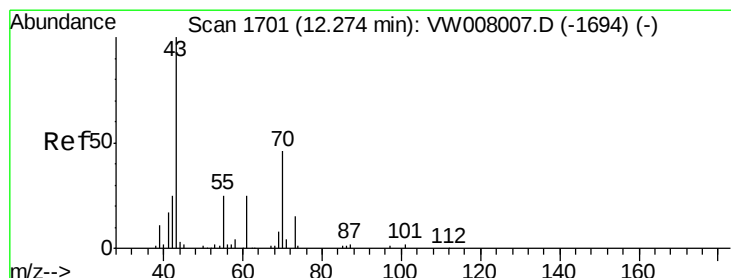
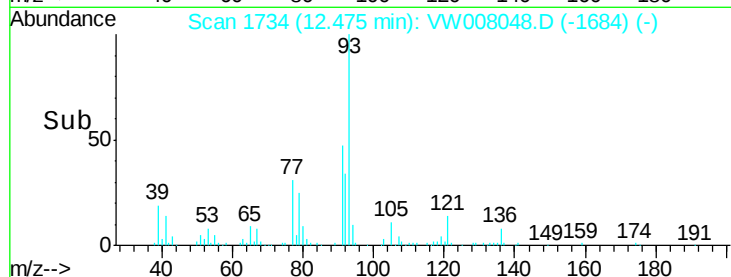
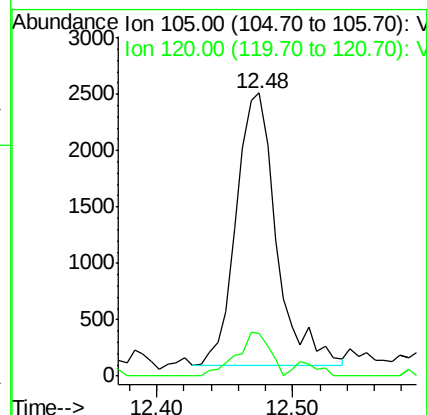
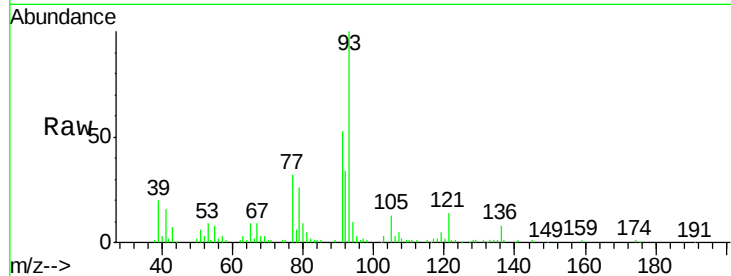
CPSB-11(20-25)

Tot Ion:105 Resp: 5008

Ion Ratio Lower Upper

105 100

120 13.1 12.8 38.3



#74

N-ethyl acetate

Concen: 2.463 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

Tgt Ion: 43 Resp: 1045

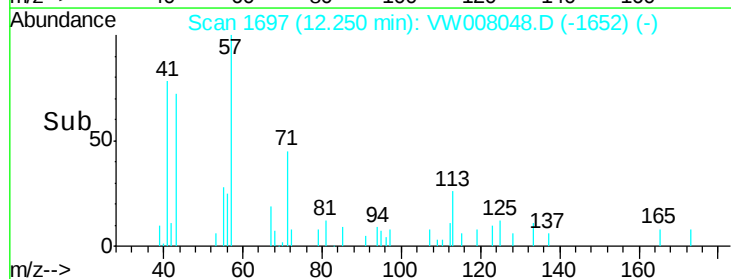
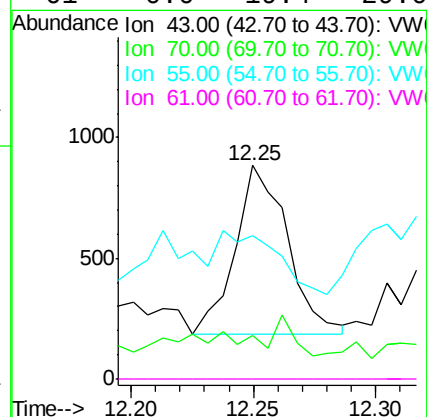
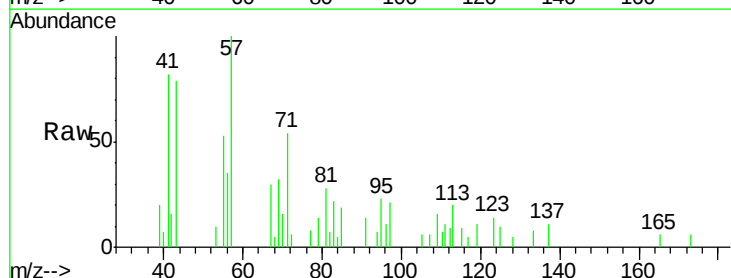
Ion Ratio Lower Upper

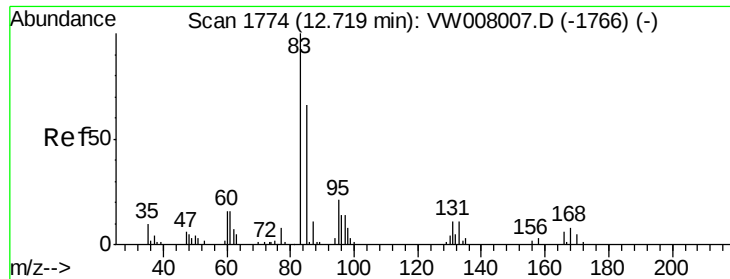
43 100

70 0.0 35.2 52.8#

55 40.4 21.4 32.0#

61 0.0 19.4 29.0#

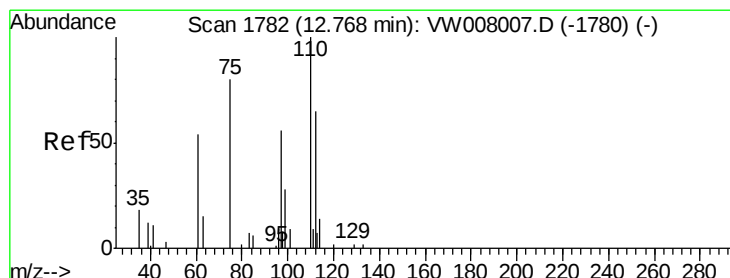
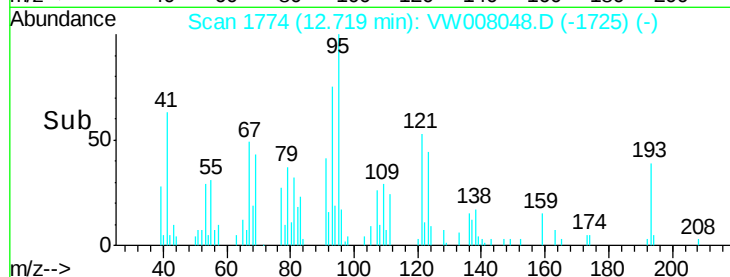
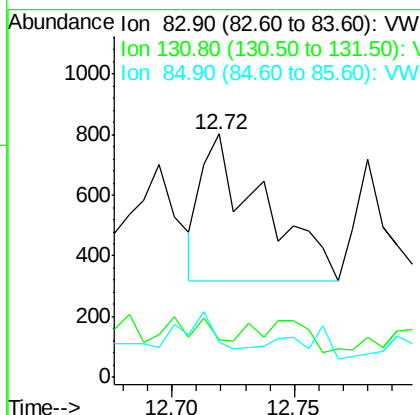
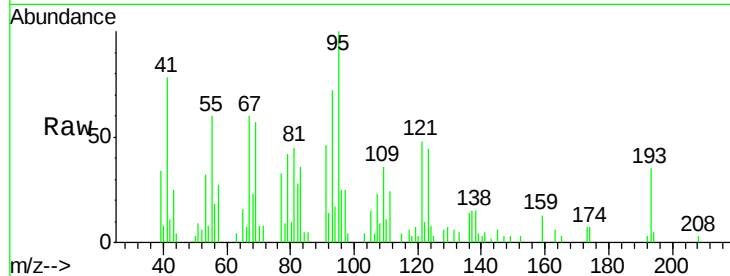




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.417 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW008048.D
 Acq: 04 Jan 2019 15:29

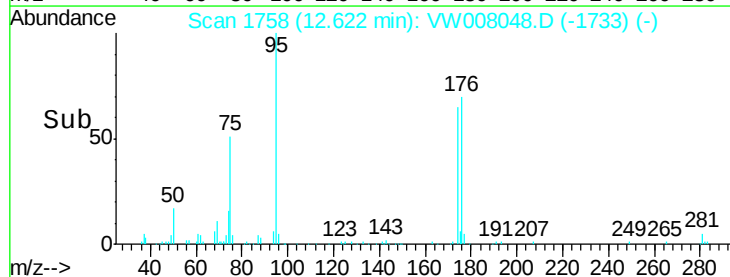
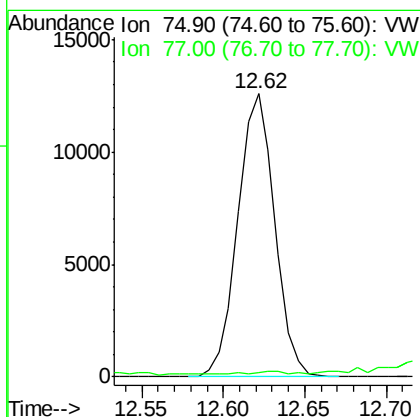
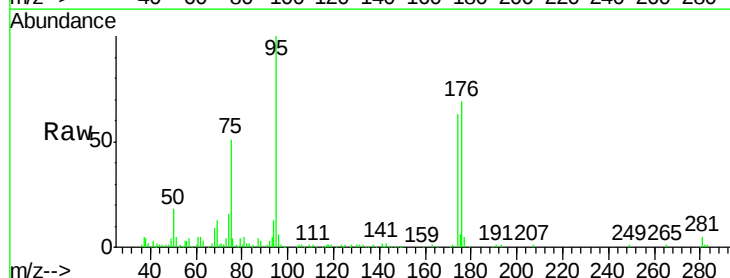
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-11(20-25)

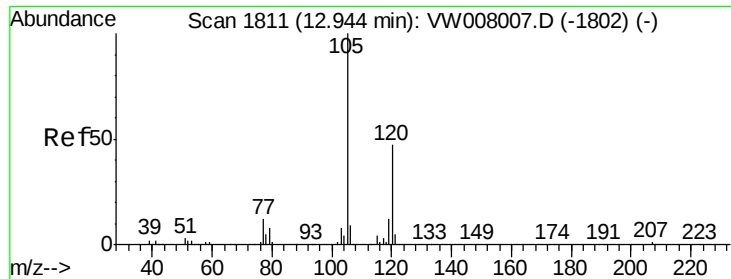
Tot Ion: 83 Resp: 838
 Ion Ratio Lower Upper
 83 100
 131 0.0 6.5 19.5#
 85 13.2 32.8 98.3#



#76
 1,2,3-Trichloropropane
 Concen: 72.620 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008048.D
 Acq: 04 Jan 2019 15:29

Tgt Ion: 75 Resp: 19800
 Ion Ratio Lower Upper
 75 100
 77 0.0 186.2 558.6#

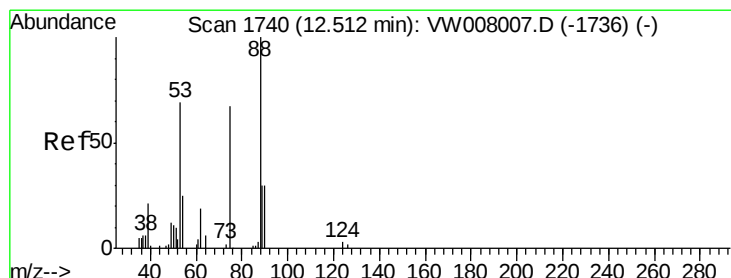
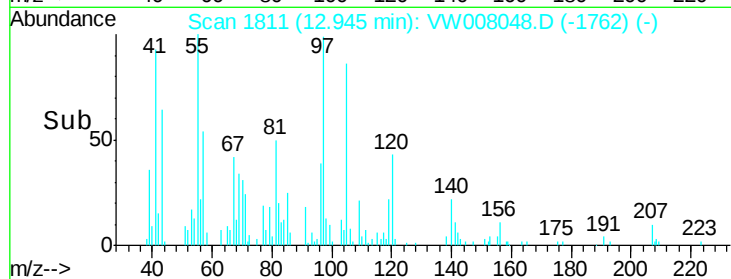
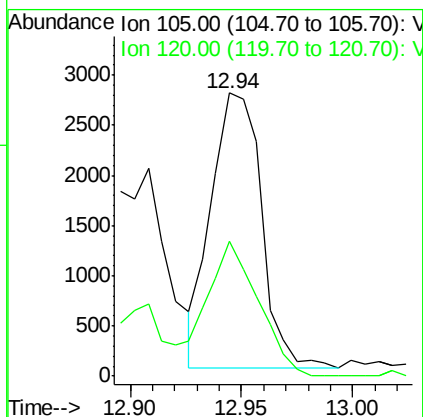
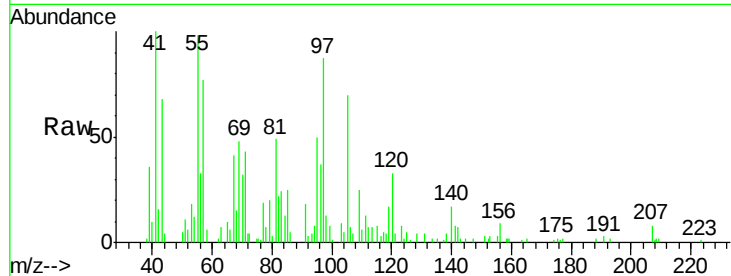




#80
 1,3,5-Trimethylbenzene
 Concen: 1.844 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008048.D
 Acq: 04 Jan 2019 15:29

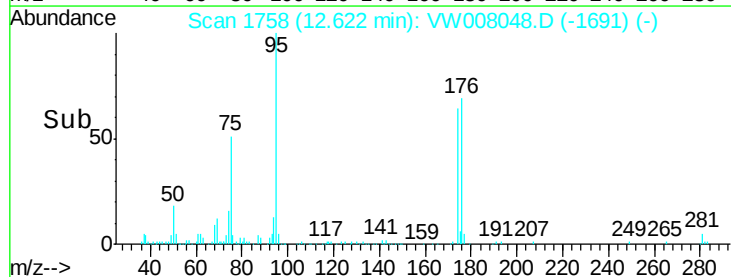
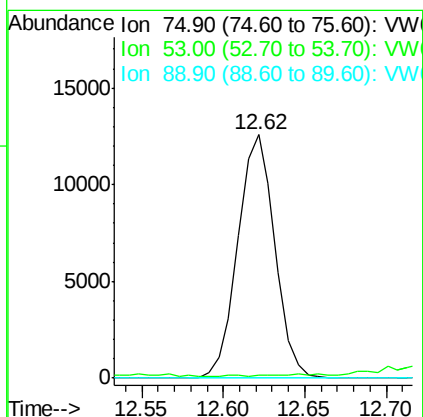
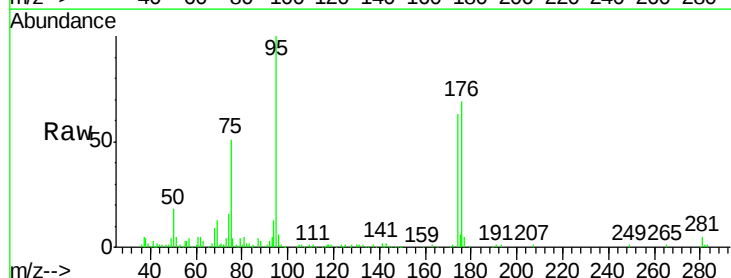
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-11(20-25)

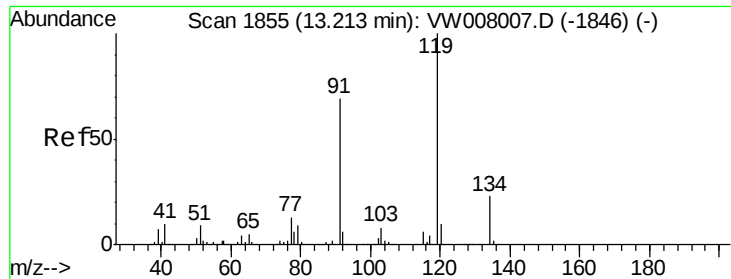
Tot Ion:105 Resp: 4326
 Ion Ratio Lower Upper
 105 100
 120 50.6 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.736 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008048.D
 Acq: 04 Jan 2019 15:29

Tgt Ion: 75 Resp: 19800
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 42.2 63.2#

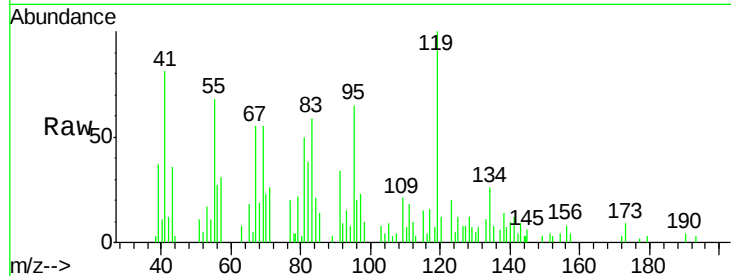




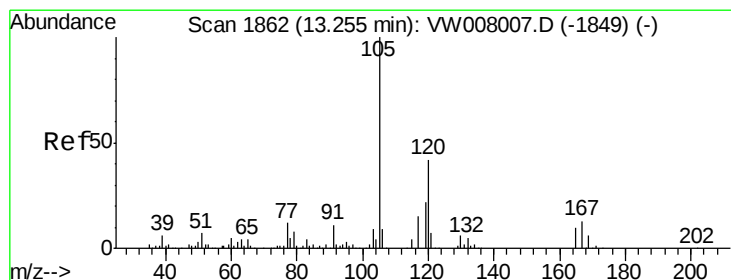
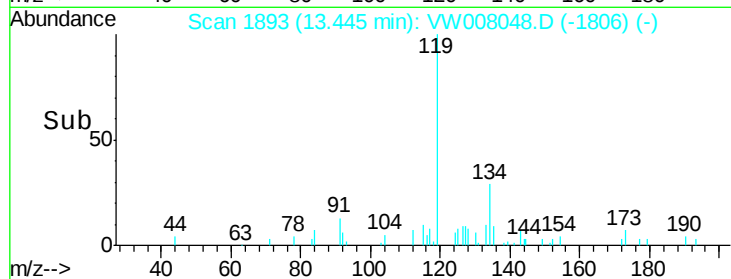
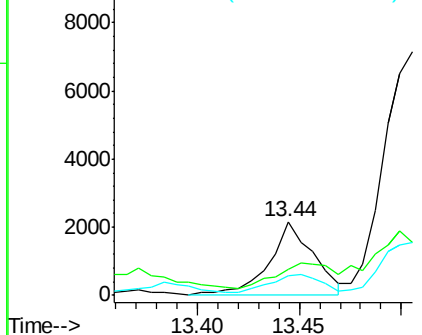
#83
tert-Butylbenzene
Concen: 1.601 ug/l
RT: 13.44 min Scan# 1893
Delta R.T. 0.23 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Instrument :
MSVOA_W
ClientSampleId :
CPSB-11(20-25)

Tot Ion:119 Resp: 3286
Ion Ratio Lower Upper
119 100
91 44.2 34.7 104.1
134 26.1 11.5 34.4

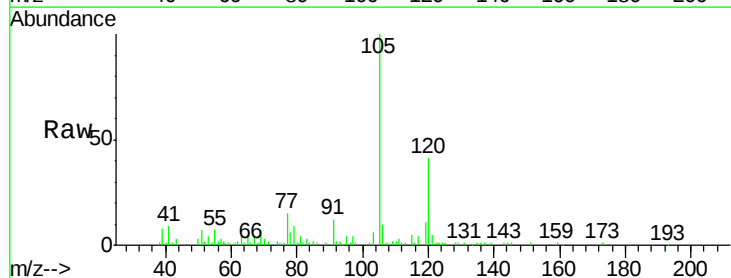


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

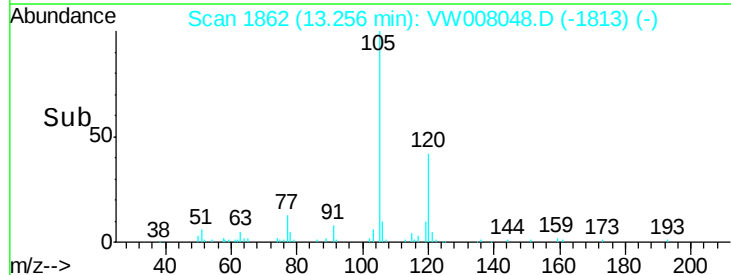
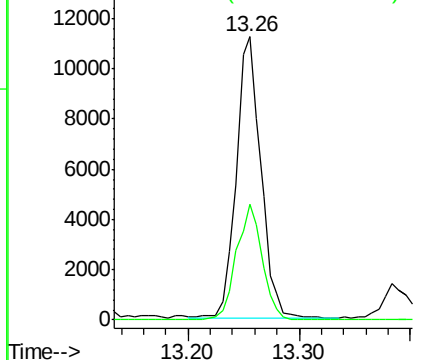


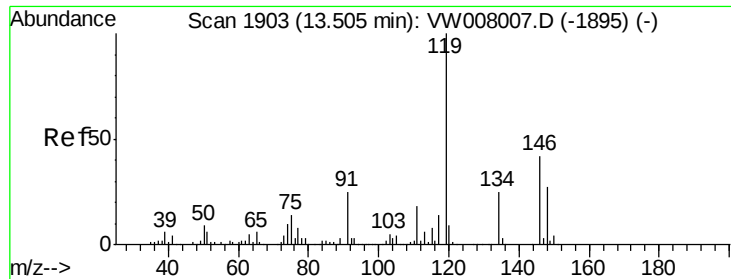
#84
1,2,4-Trimethylbenzene
Concen: 7.152 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Tgt Ion:105 Resp: 16993
Ion Ratio Lower Upper
105 100
120 43.1 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

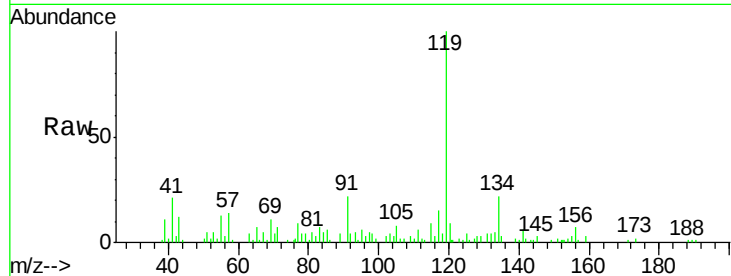




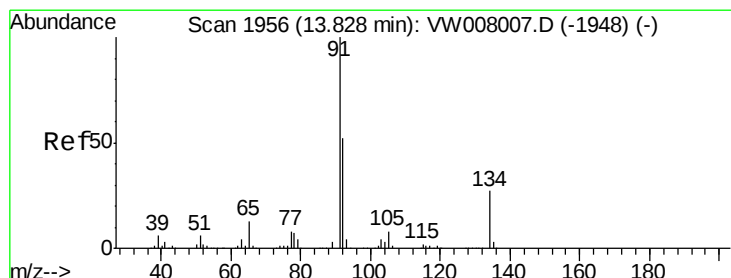
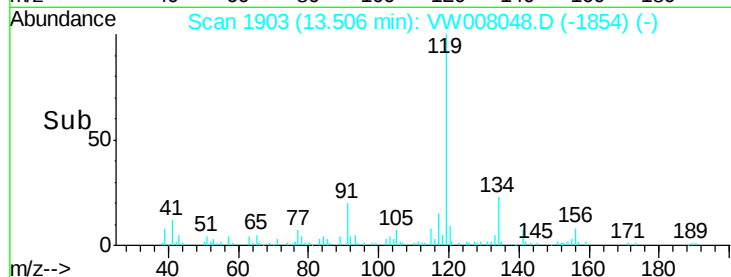
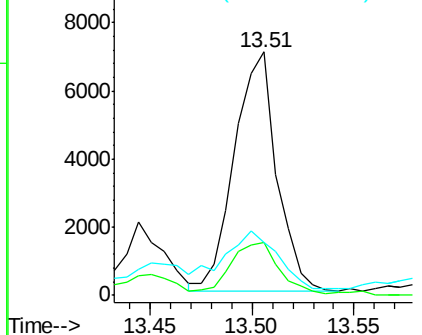
#86
p-Isopropyltoluene
Concen: 3.992 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Instrument :
MSVOA_W
ClientSampleId :
CPSB-11(20-25)

Tot Ion: 119 Resp: 10167
Ion Ratio Lower Upper
119 100
134 26.0 12.5 37.5
91 31.1 13.1 39.3

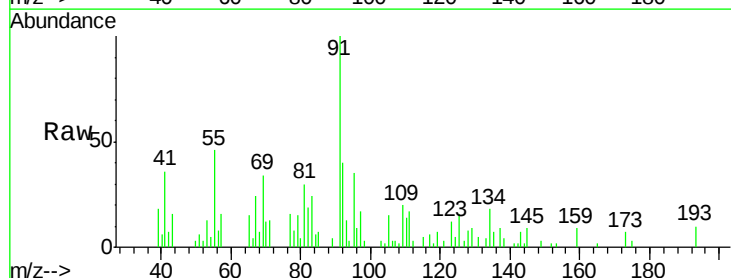


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

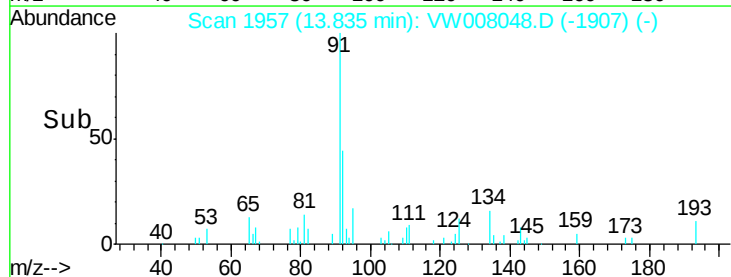
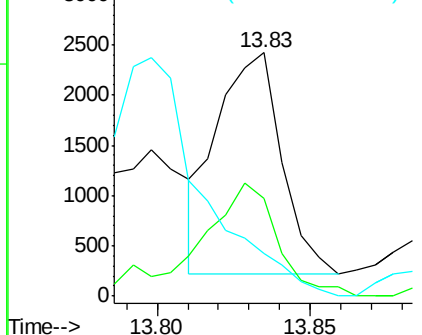


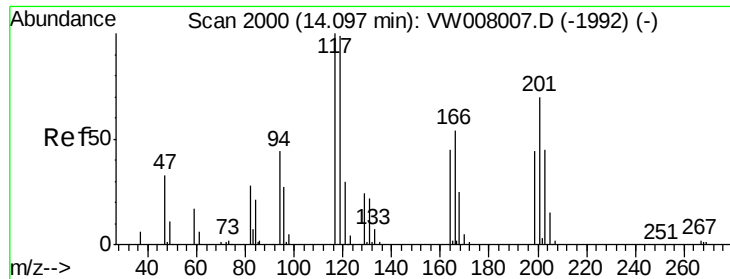
#89
n-Butylbenzene
Concen: 1.389 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VW008048.D
Acq: 04 Jan 2019 15:29

Tgt Ion: 91 Resp: 3235
Ion Ratio Lower Upper
91 100
92 61.8 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





#90

Hexachloroethane

Concen: 2.786 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

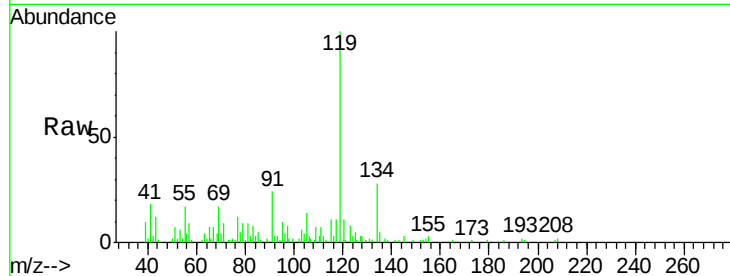
CPSB-11(20-25)

Tot Ion:117 Resp: 1231

Ion Ratio Lower Upper

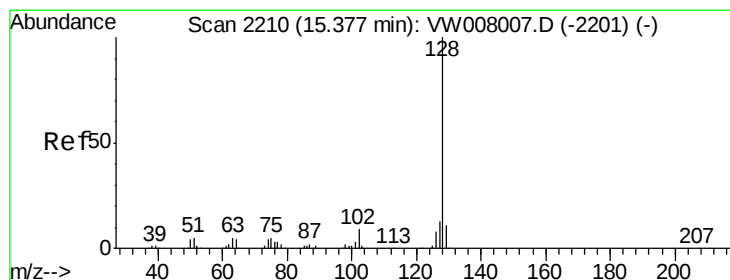
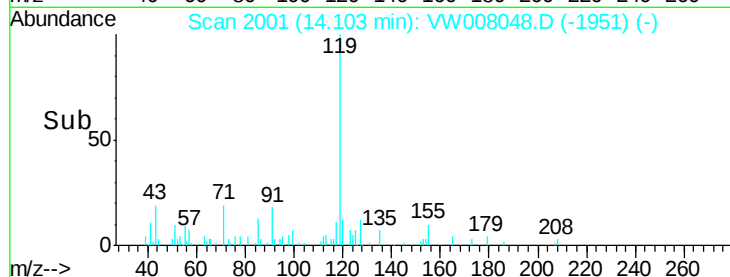
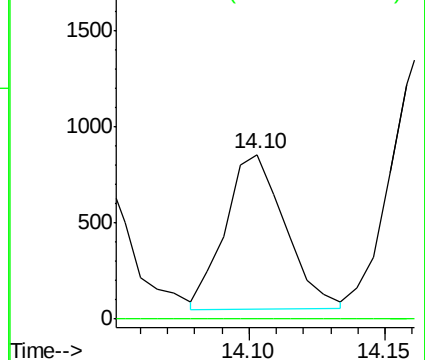
117 100

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: 4.780 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008048.D

Acq: 04 Jan 2019 15:29

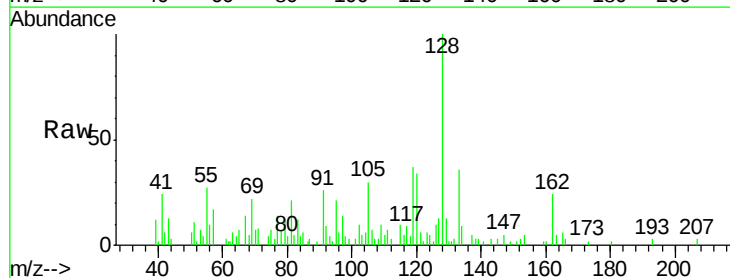
Tgt Ion:128 Resp: 5938

Ion Ratio Lower Upper

128 100

127 22.1 10.8 16.2#

129 10.3 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

