

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010662.D
 Acq On : 03 Jun 2019 16:28
 Operator : SY/VA
 Sample : K3138-07
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 07:38:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

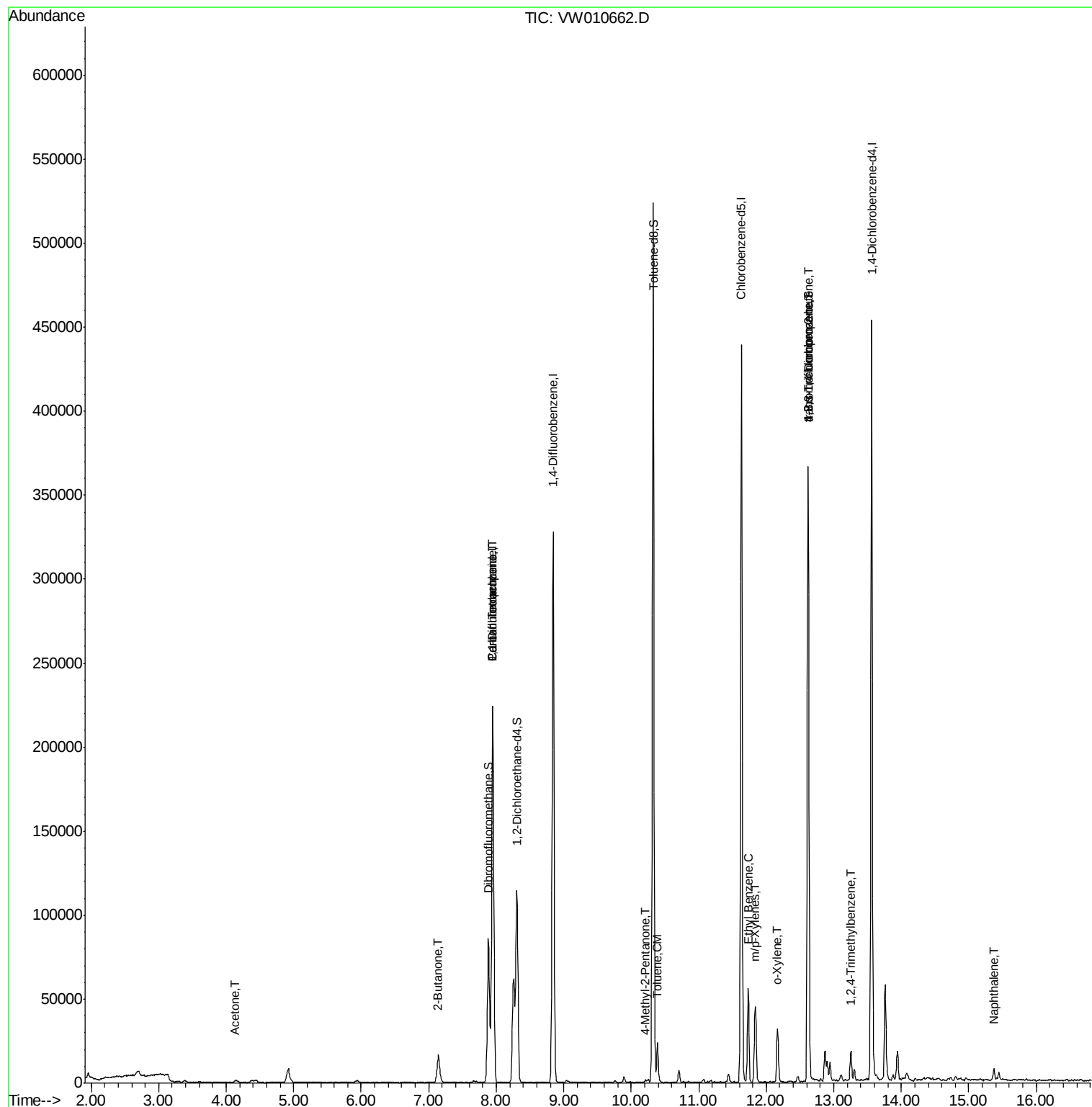
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	175016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	294767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120697	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	87206	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.88	113	61579	34.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.86%	
50) Toluene-d8	10.32	98	357475	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.62	95	134409	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	273	Below Cal	#	56
16) Acetone	4.14	43	2895	7.851	ug/l	89
20) Methylene Chloride	4.92	84	6480	Below Cal		93
25) 2-Butanone	7.14	43	729	1.381	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	12113	4.411	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17817	6.015	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	1240	1.049	ug/l	88
52) Toluene	10.39	92	10741	2.096	ug/l	93
67) Ethyl Benzene	11.73	91	39431	3.960	ug/l	99
68) m/p-Xylenes	11.84	106	16273	4.167	ug/l	95
69) o-Xylene	12.17	106	9122	2.465	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	62081	50.672	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	62081	105.754	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.26	105	10221	1.265	ug/l	97
95) Naphthalene	15.37	128	5729	1.047	ug/l #	97

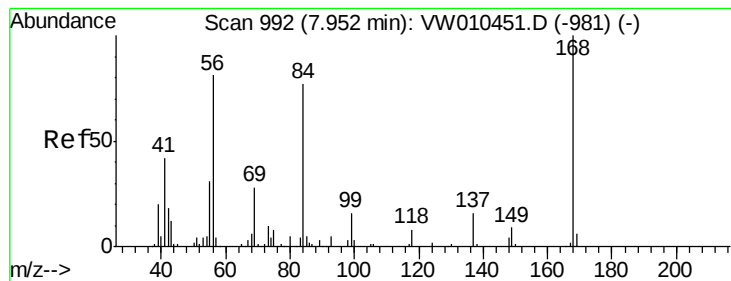
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

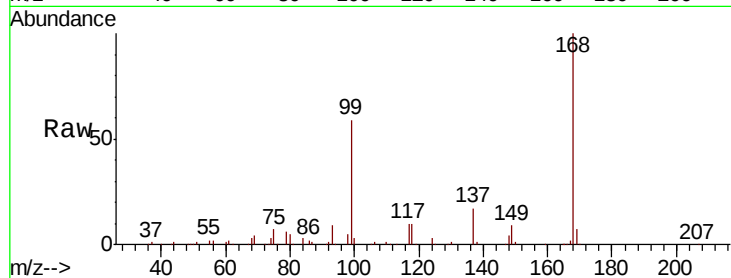
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 175016

Ion Ratio Lower Upper

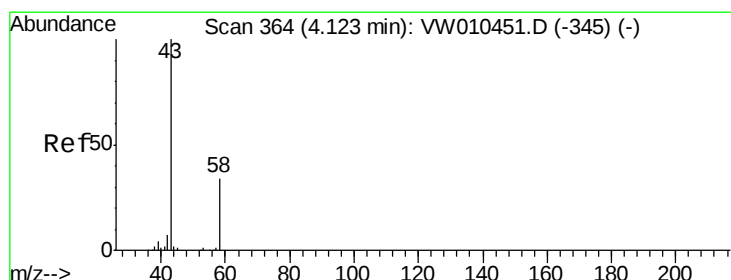
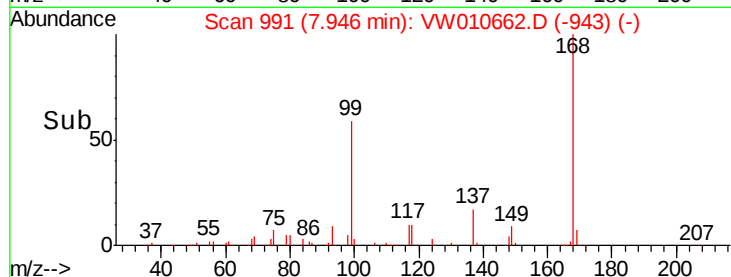
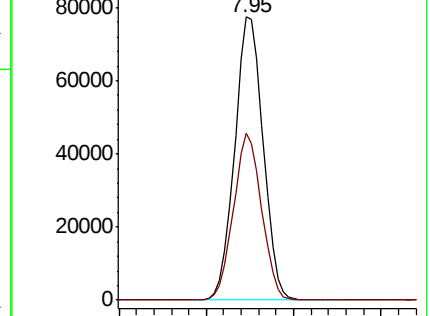
168 100

99 59.0 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 7.851 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010662.D

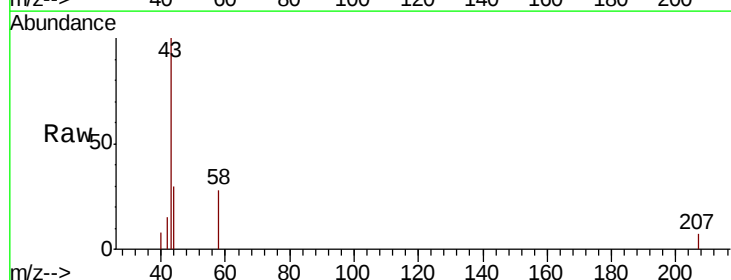
Acq: 03 Jun 2019 16:28

Tgt Ion: 43 Resp: 2895

Ion Ratio Lower Upper

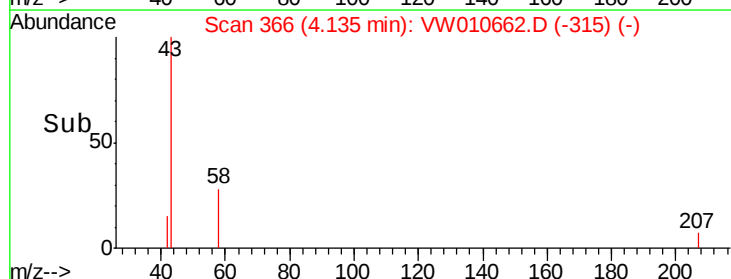
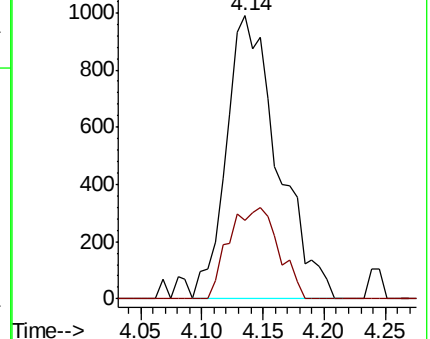
43 100

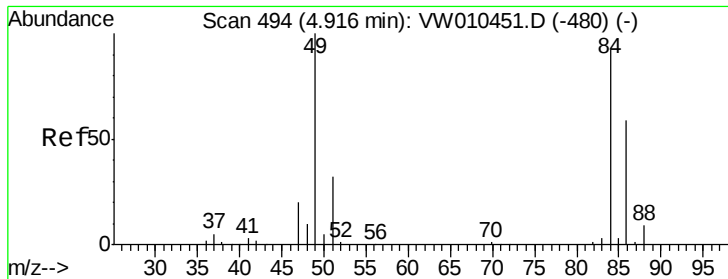
58 27.7 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

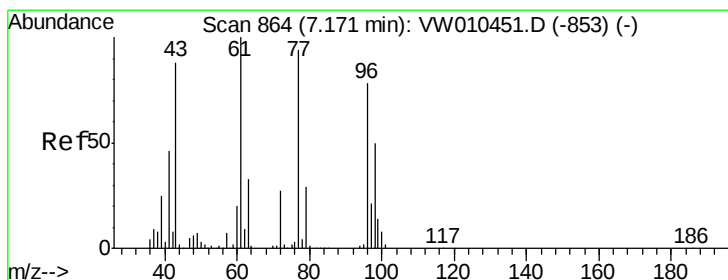
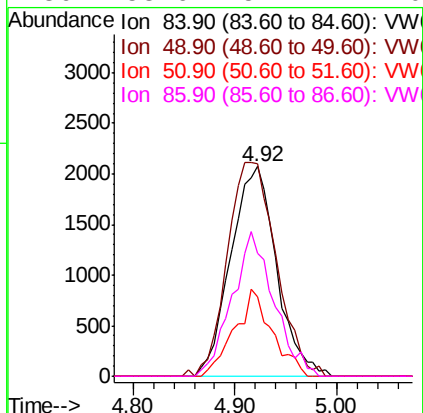
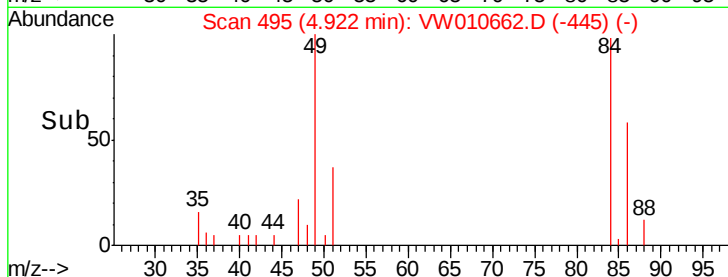
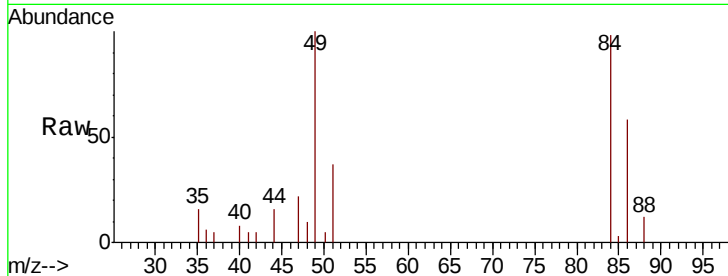




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010662.D
Acq: 03 Jun 2019 16:28

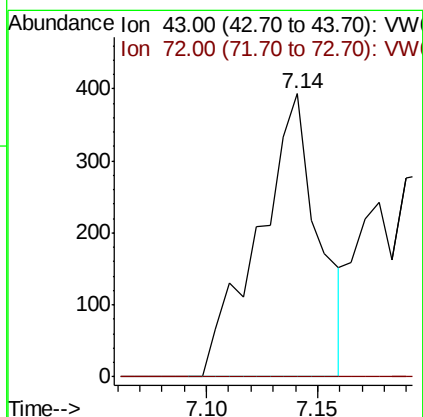
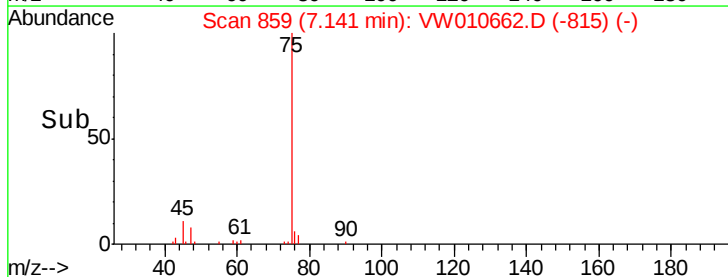
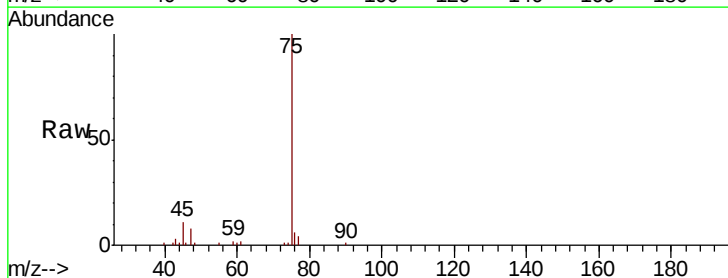
Instrument :
MSVOA_W
ClientSampleId :

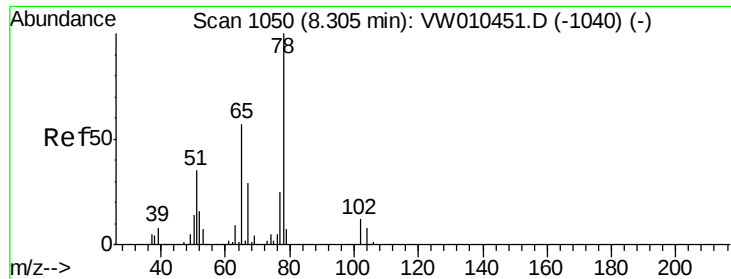
Tot Ion: 84 Resp: 6480
Ion Ratio Lower Upper
84 100
49 101.5 87.2 130.8
51 37.9 27.7 41.5
86 58.6 51.4 77.0



#25
2-Butanone
Concen: 1.381 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010662.D
Acq: 03 Jun 2019 16:28

Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#

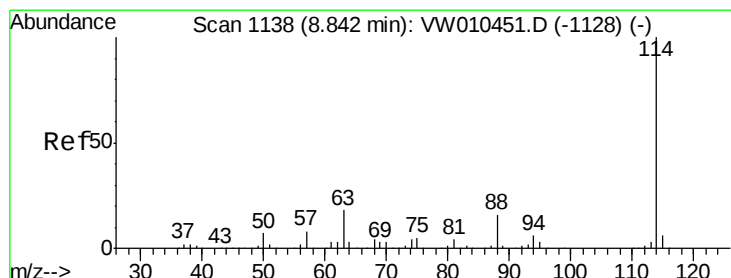
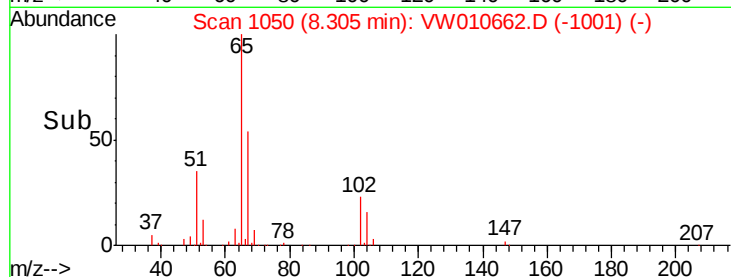
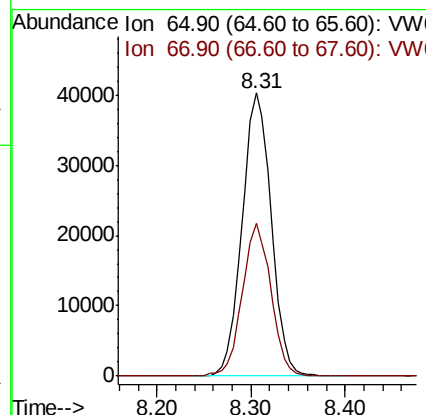
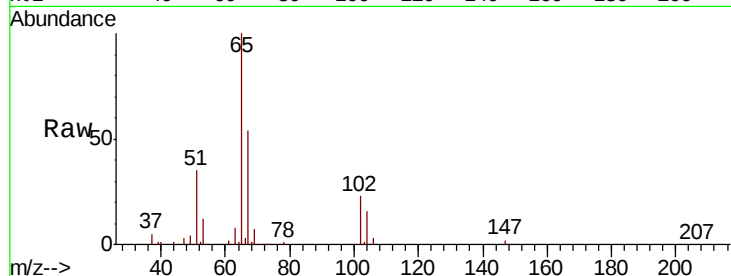




#33
 1,2-Dichloroethane-d4
 Concen: 48.274 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010662.D
 Acq: 03 Jun 2019 16:28

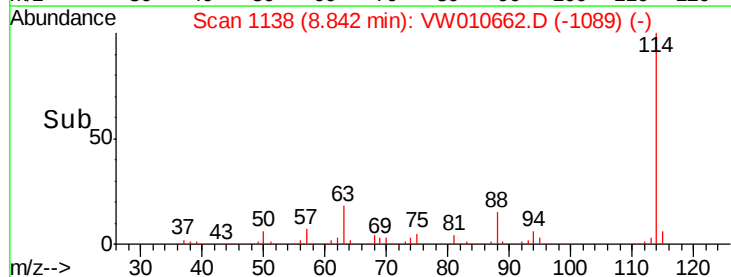
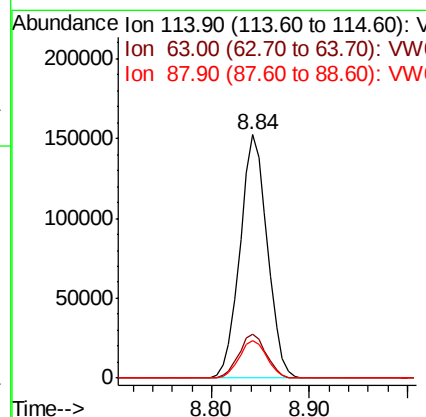
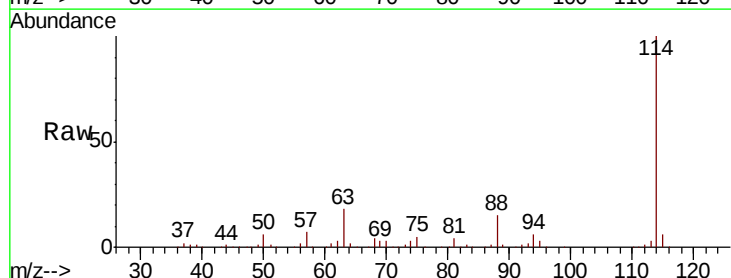
Instrument :
 MSVOA_W
 ClientSampleId :

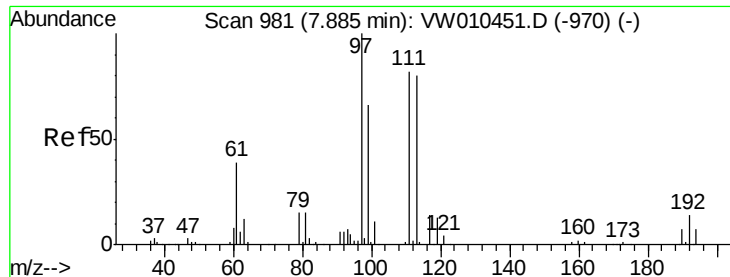
Tot Ion: 65 Resp: 87206
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010662.D
 Acq: 03 Jun 2019 16:28

Tgt Ion: 114 Resp: 294767
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.0
 88 15.4 0.0 32.0

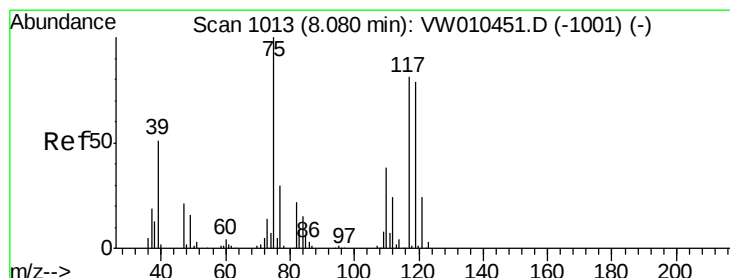
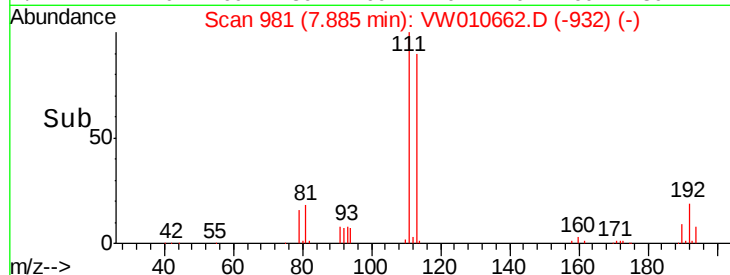
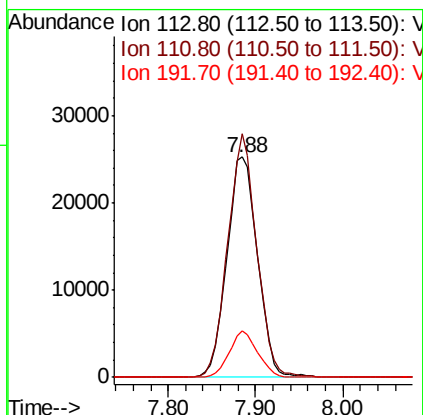
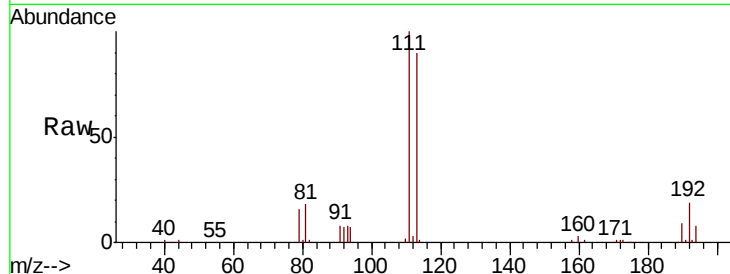




#35
 Dibromofluoromethane
 Concen: 34.429 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010662.D
 Acq: 03 Jun 2019 16:28

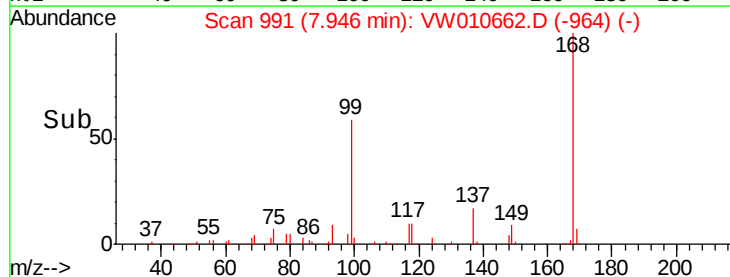
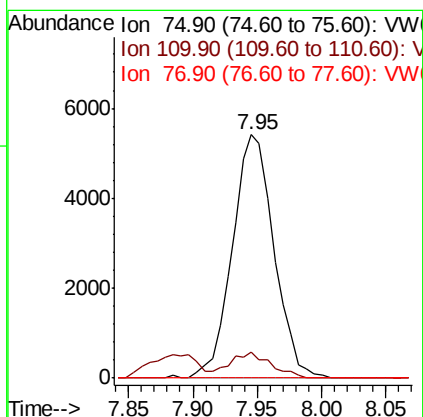
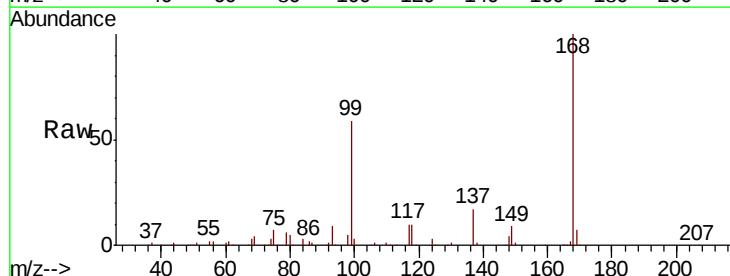
Instrument :
 MSVOA_W
 ClientSampleId :

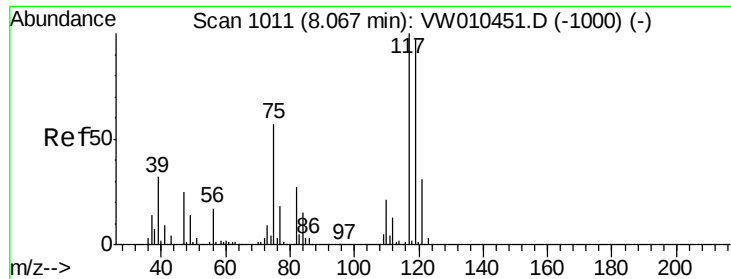
Tot Ion:113 Resp: 61579
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.4
 192 19.4 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.411 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010662.D
 Acq: 03 Jun 2019 16:28

Tgt Ion: 75 Resp: 12113
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.2 57.6#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 6.015 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

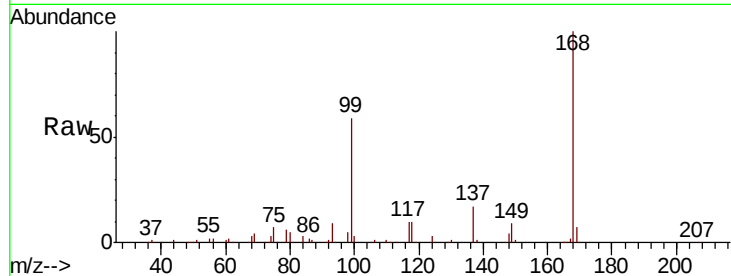
Tot Ion:117 Resp: 17817

Ion Ratio Lower Upper

117 100

119 4.4 77.4 116.0#

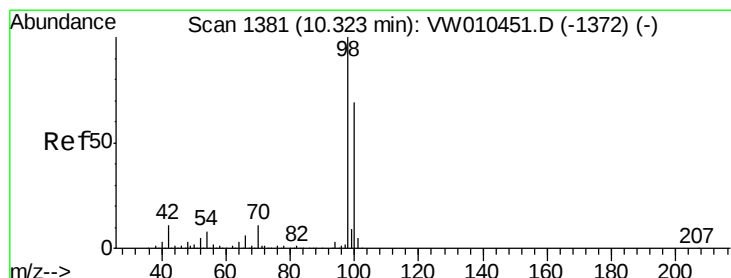
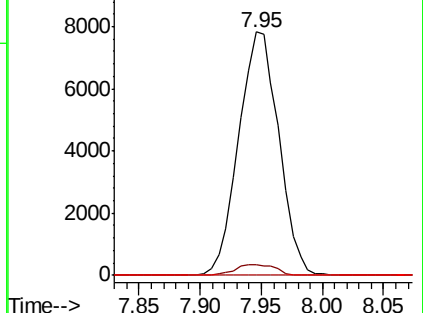
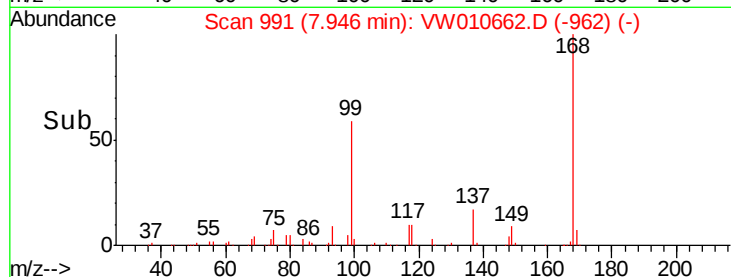
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 52.317 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010662.D

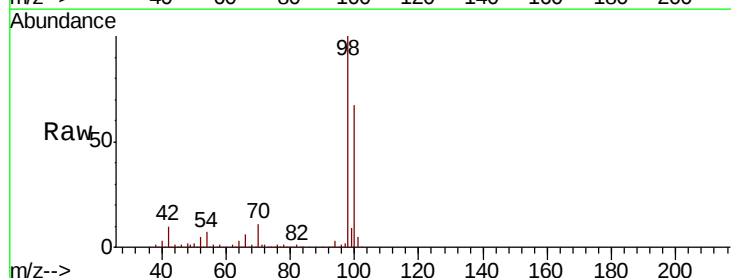
Acq: 03 Jun 2019 16:28

Tgt Ion: 98 Resp: 357475

Ion Ratio Lower Upper

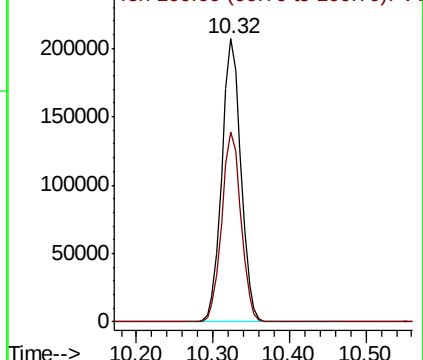
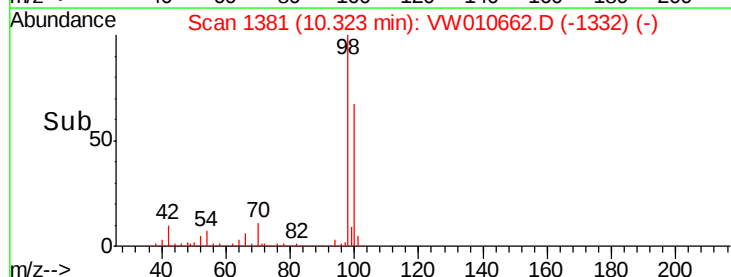
98 100

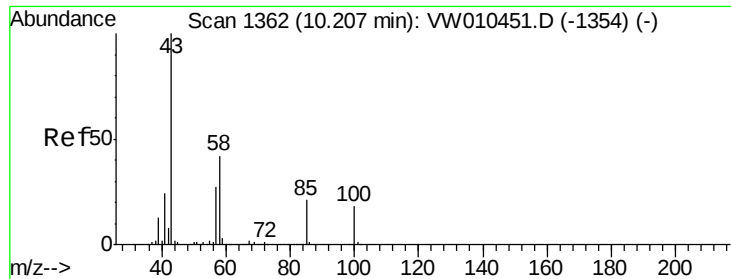
100 67.4 53.7 80.5



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: 1.049 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA_W

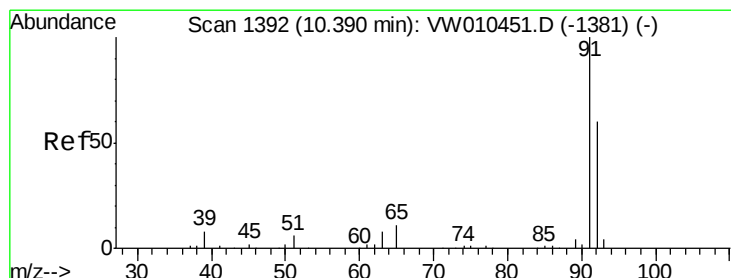
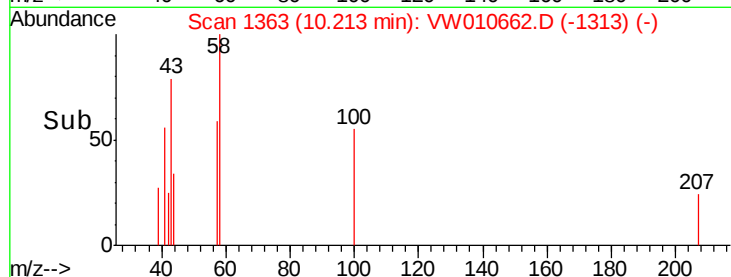
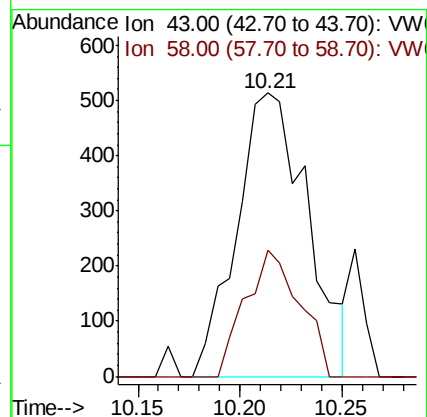
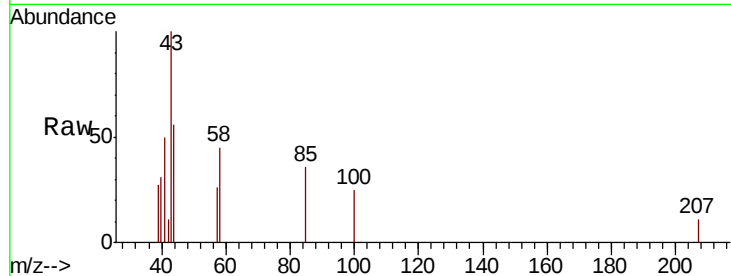
ClientSampled :

Tot Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

58 34.2 33.2 49.8



#52

Toluene

Concen: 2.096 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010662.D

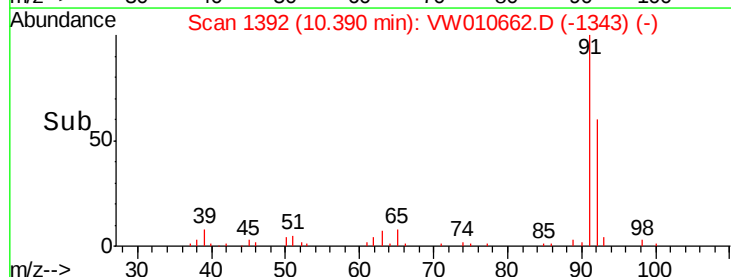
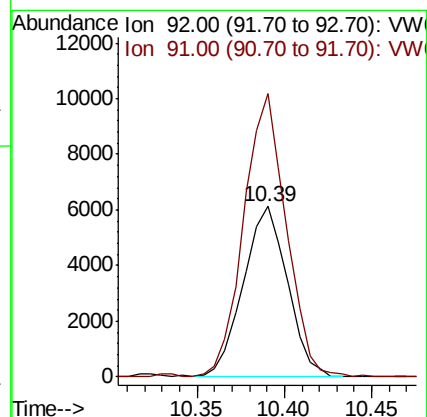
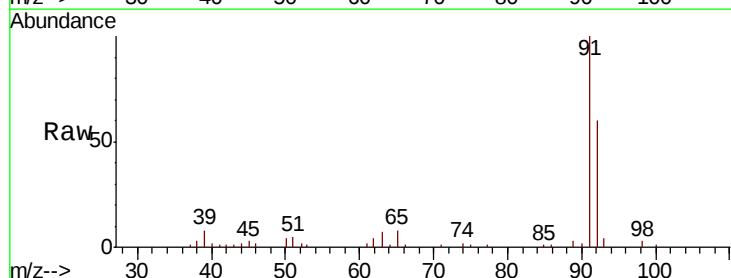
Acq: 03 Jun 2019 16:28

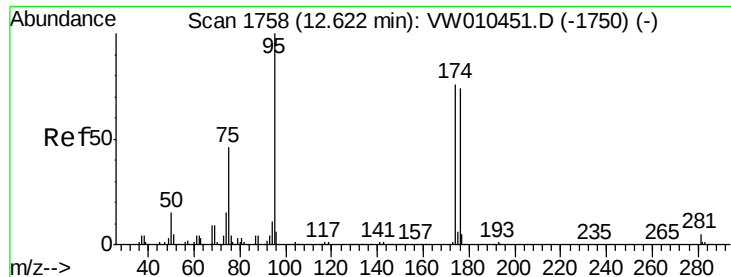
Tgt Ion: 92 Resp: 10741

Ion Ratio Lower Upper

92 100

91 160.1 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 49.386 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

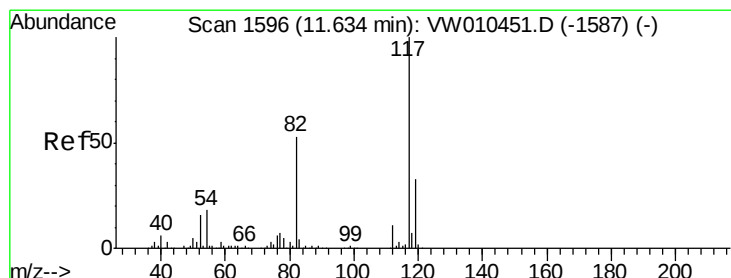
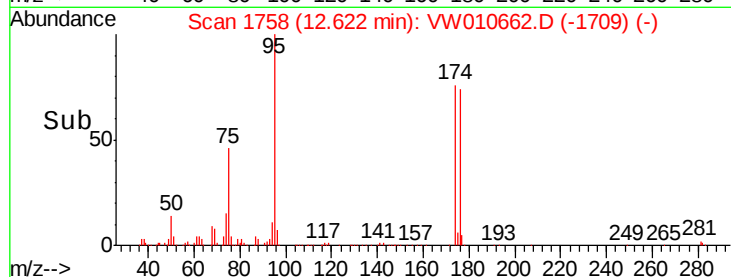
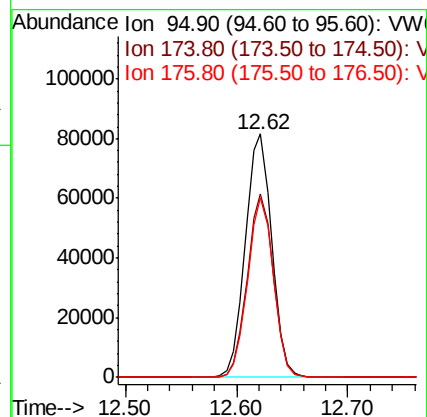
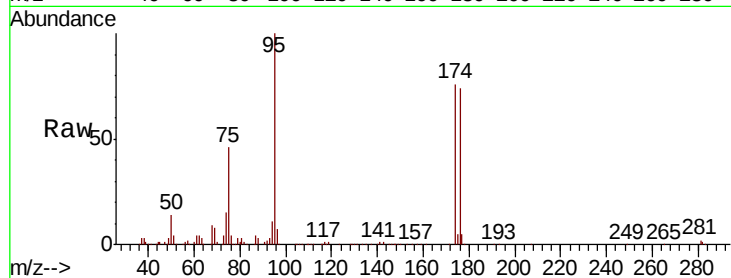
Tot Ion: 95 Resp: 134409

Ion Ratio Lower Upper

95 100

174 74.3 0.0 148.6

176 71.9 0.0 144.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

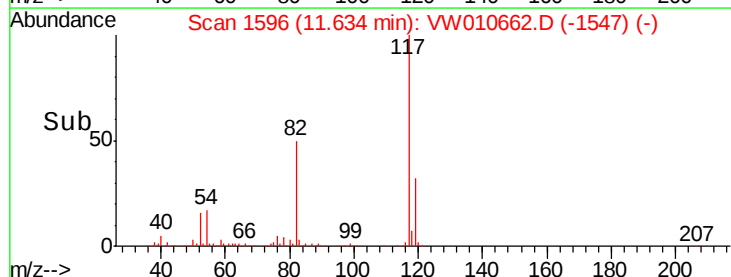
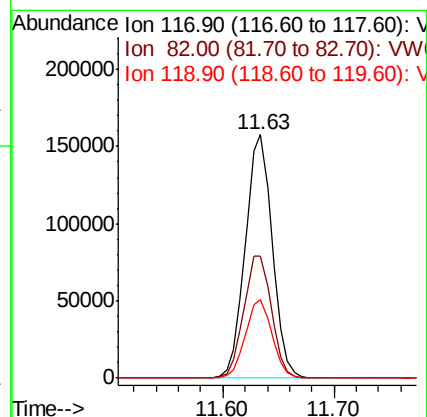
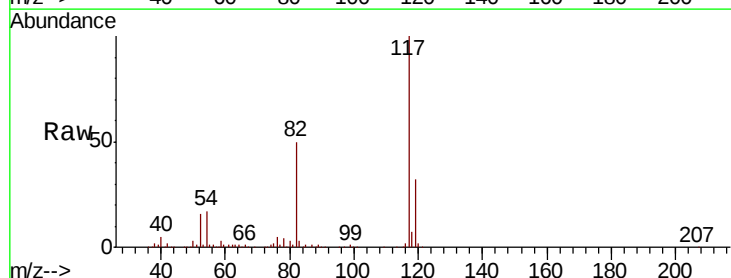
Tgt Ion: 117 Resp: 264617

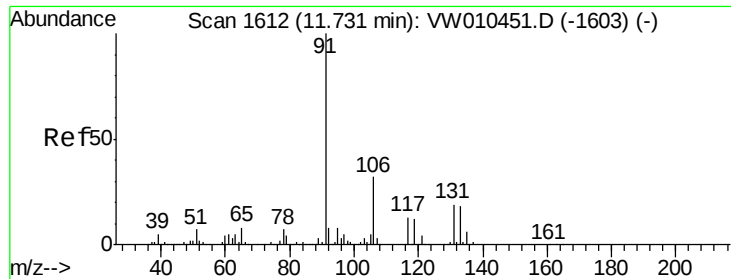
Ion Ratio Lower Upper

117 100

82 50.0 42.8 64.2

119 32.2 26.3 39.5

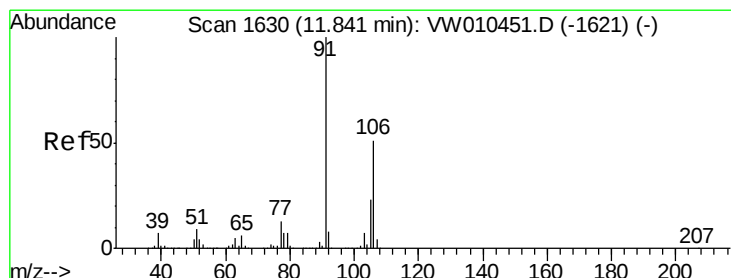
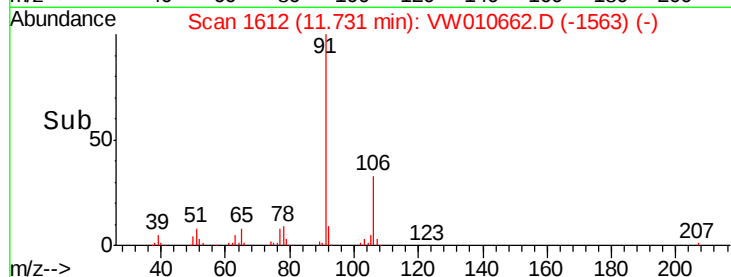
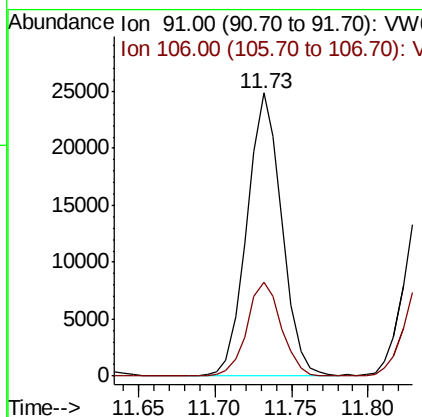
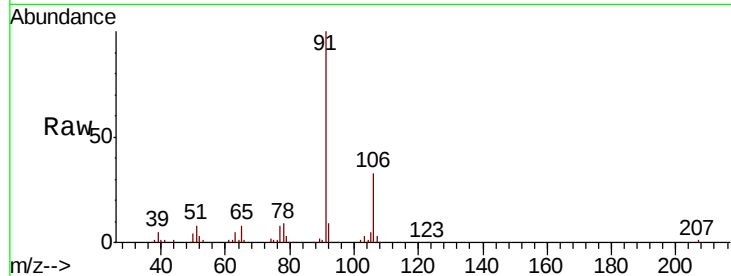




#67
Ethyl Benzene
Concen: 3.960 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010662.D
Acq: 03 Jun 2019 16:28

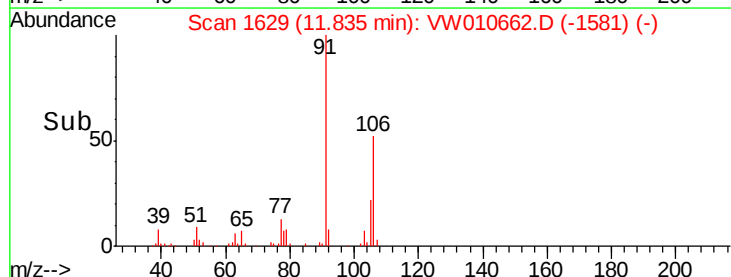
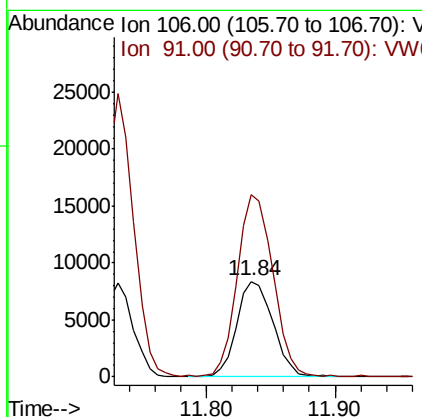
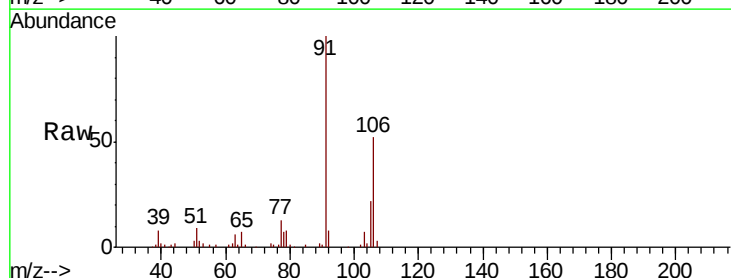
Instrument :
MSVOA_W
ClientSampled :

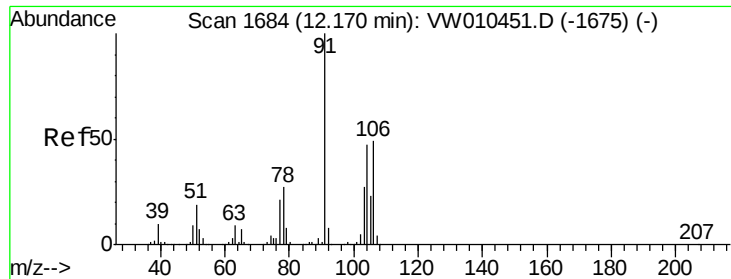
Tot Ion: 91 Resp: 39431
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9



#68
m/p-Xylenes
Concen: 4.167 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010662.D
Acq: 03 Jun 2019 16:28

Tgt Ion: 106 Resp: 16273
Ion Ratio Lower Upper
106 100
91 187.7 156.0 234.0

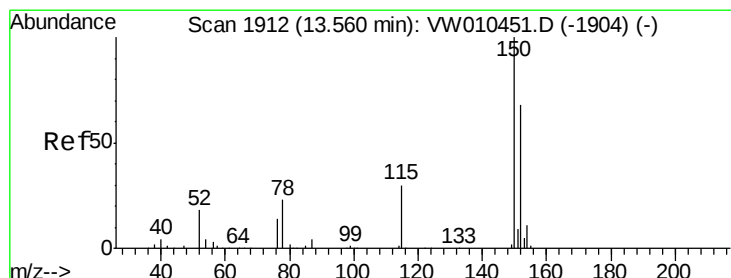
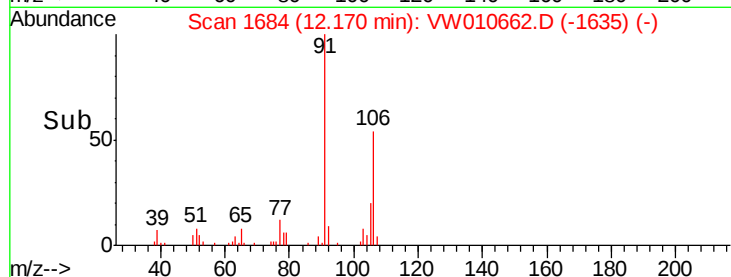
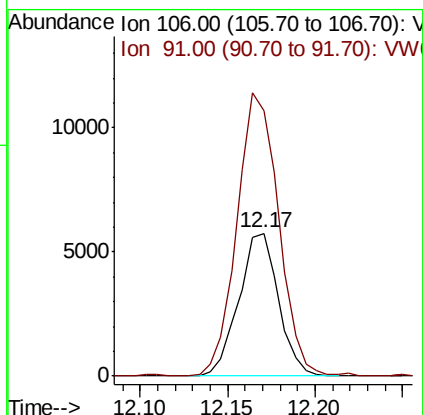
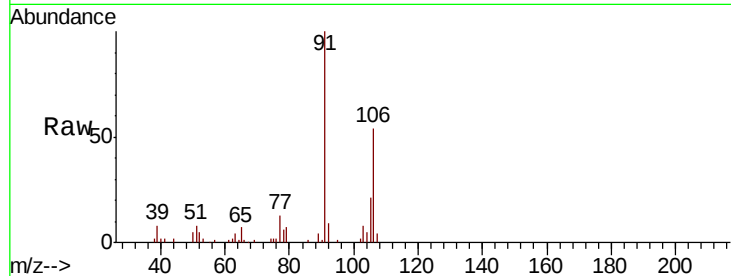




#69
o-Xylene
Concen: 2.465 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010662.D
Acq: 03 Jun 2019 16:28

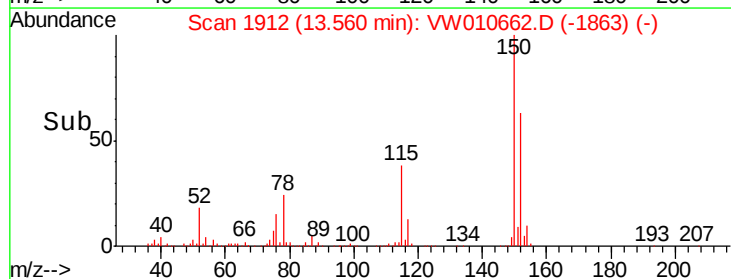
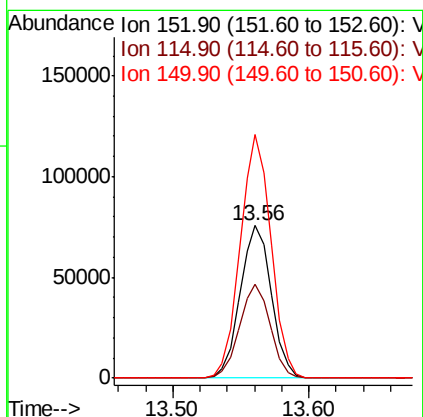
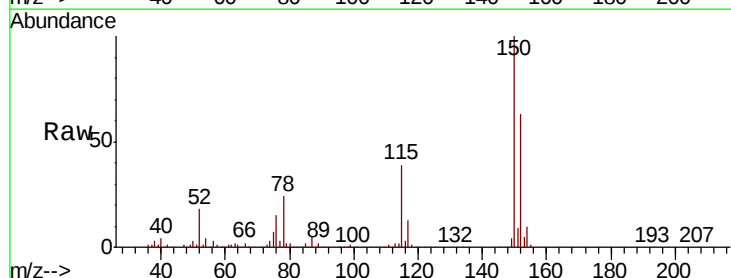
Instrument :
MSVOA_W
ClientSampled :

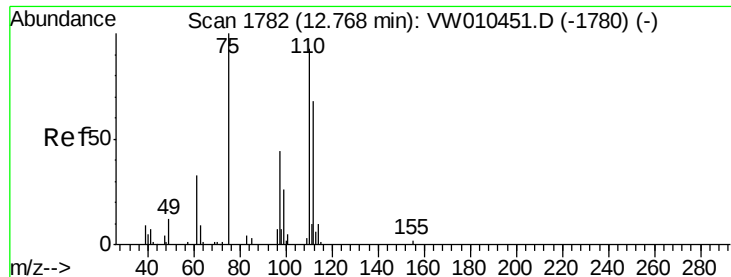
Tot Ion:106 Resp: 9122
Ion Ratio Lower Upper
106 100
91 207.9 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010662.D
Acq: 03 Jun 2019 16:28

Tgt Ion:152 Resp: 120697
Ion Ratio Lower Upper
152 100
115 60.9 30.3 91.0
150 158.0 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 50.672 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA_W

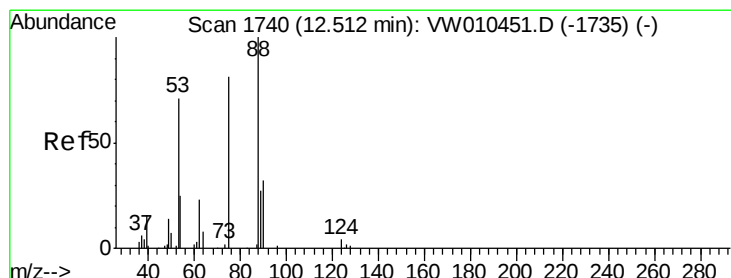
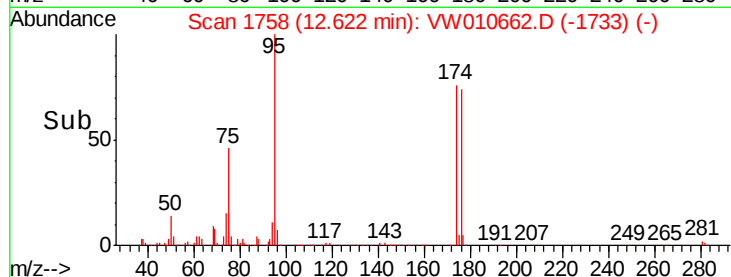
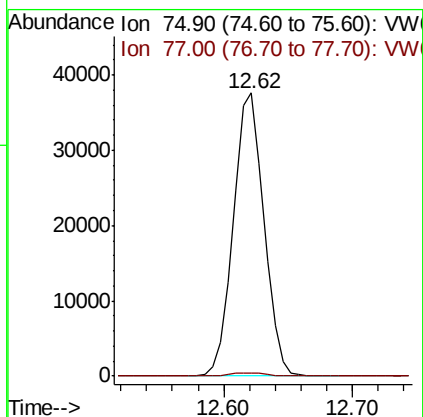
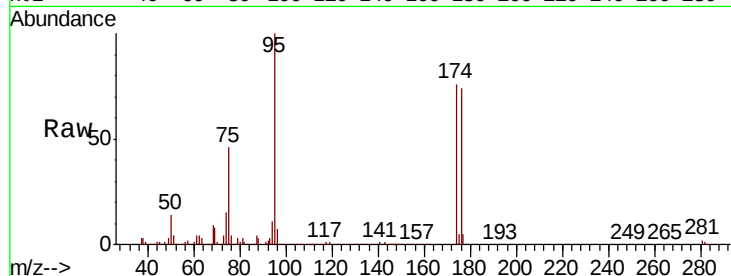
ClientSampleId :

Tot Ion: 75 Resp: 62081

Ion Ratio Lower Upper

75 100

77 1.2 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.754 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

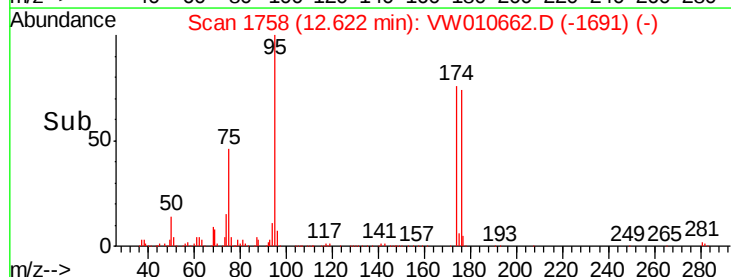
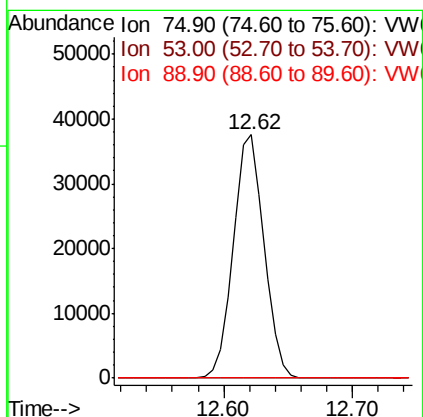
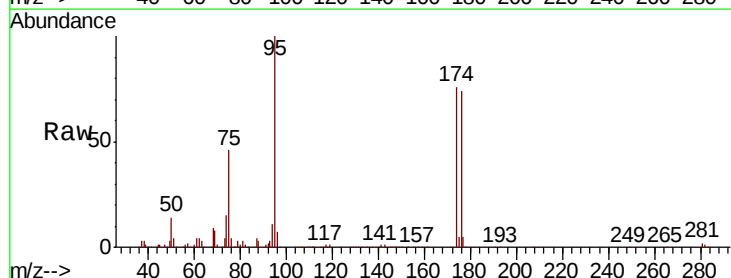
Tgt Ion: 75 Resp: 62081

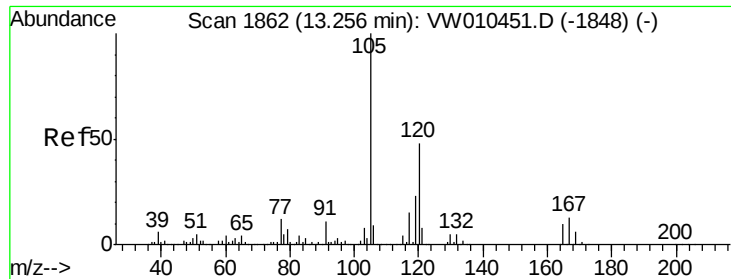
Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.0 39.5 59.3#

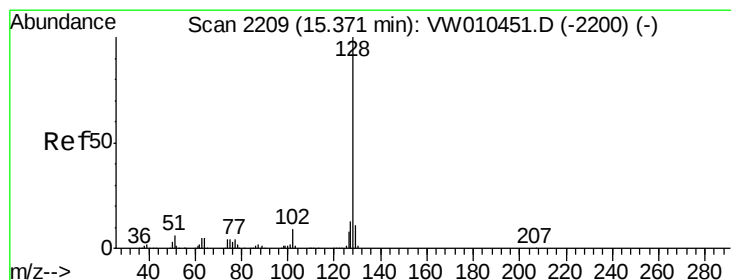
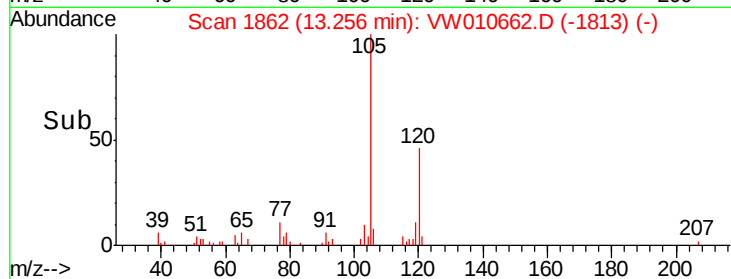
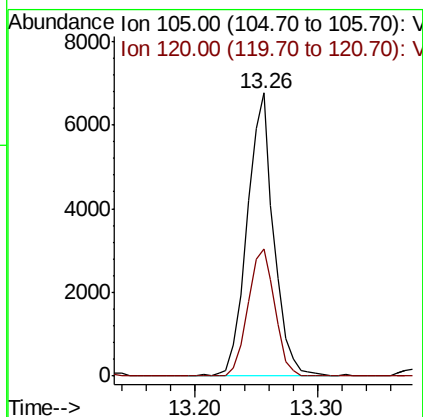
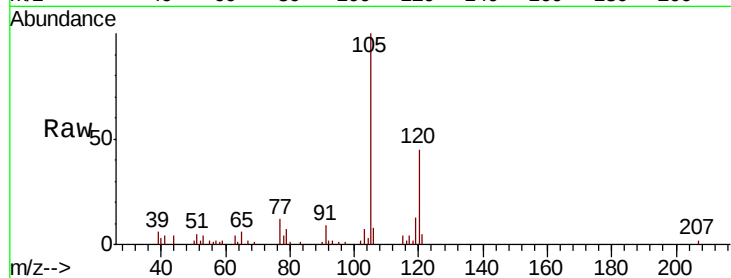




#84
 1,2,4-Trimethylbenzene
 Concen: 1.265 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010662.D
 Acq: 03 Jun 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 10221
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.4 70.2



#95
 Naphthalene
 Concen: 1.047 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW010662.D
 Acq: 03 Jun 2019 16:28

Tgt Ion:128 Resp: 5729
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 13.8 8.9 13.3#

