

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002411.D
 Acq On : 11 May 2018 05:49
 Operator : JC/SY
 Sample : J2772-03
 Misc : 6.57G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 06:52:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	57174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	102433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	64126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	8913	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	35165	57.92	ug/l	0.00
Spiked Amount			Recovery	=	115.84%	
35) Dibromofluoromethane	7.88	113	34602	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
50) Toluene-d8	10.33	98	77625	31.00	ug/l	0.00
Spiked Amount			Recovery	=	62.00%	
62) 4-Bromofluorobenzene	12.63	95	12483	13.80	ug/l	0.00
Spiked Amount			Recovery	=	27.60%	

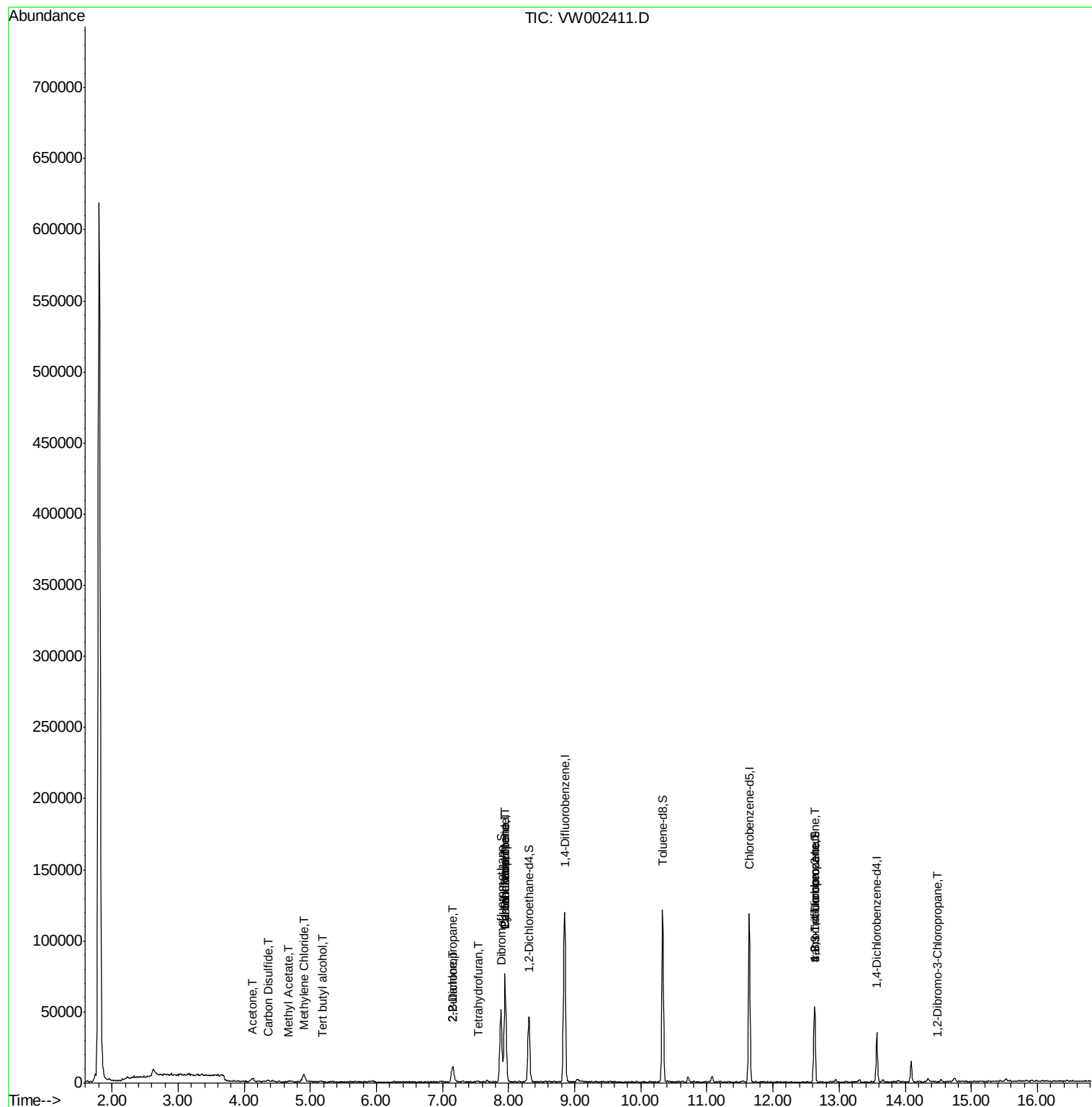
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	271	6.14	ug/l #	82
16) Acetone	4.13	43	4258	35.91	ug/l	98
17) Carbon Disulfide	4.35	76	1613	1.07	ug/l	96
18) Methyl Acetate	4.67	43	492	1.38	ug/l #	76
20) Methylene Chloride	4.91	84	3787	6.62	ug/l	94
25) 2-Butanone	7.15	43	314	1.78	ug/l #	49
26) 2,2-Dichloropropane	7.15	77	842	1.67	ug/l #	61
29) Tetrahydrofuran	7.54	42	259	2.24	ug/l #	39
31) Cyclohexane	7.95	56	1471	1.63	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4403	4.75	ug/l #	52
38) Carbon Tetrachloride	7.95	117	5688	6.35	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	7026	88.89	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	7026	234.16	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27	1.40	ug/l #	1

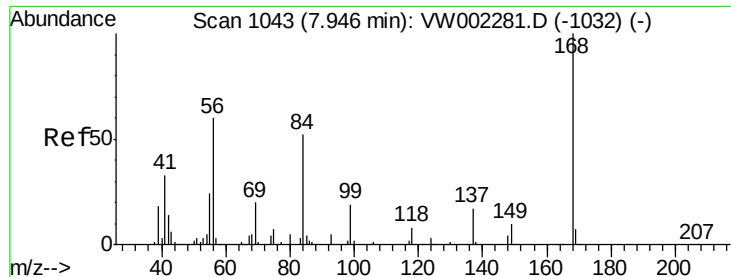
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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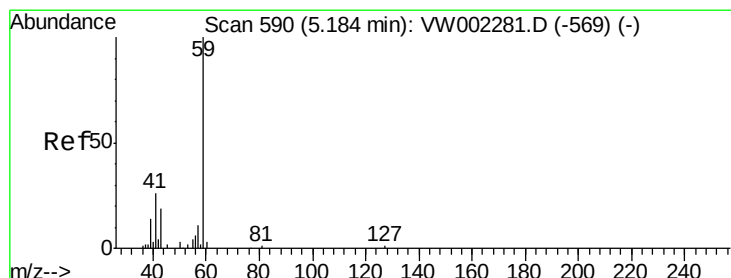
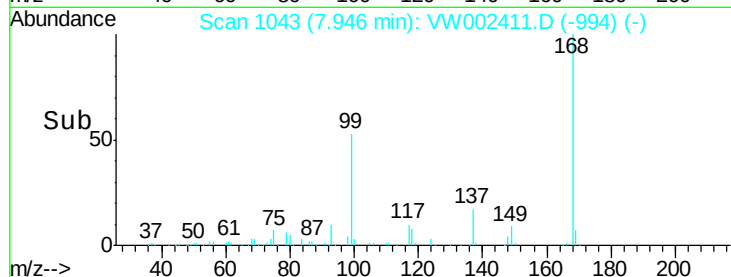
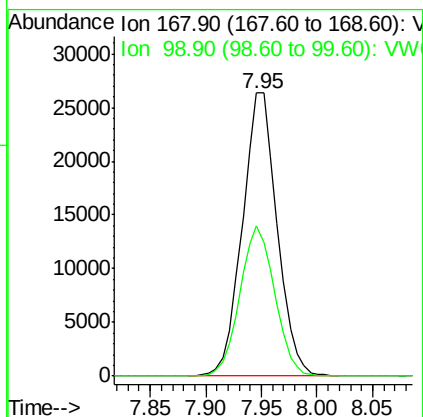
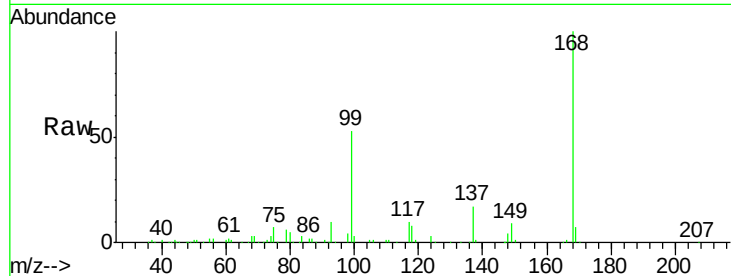




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VW002411.D
Acq: 11 May 2018 05:49

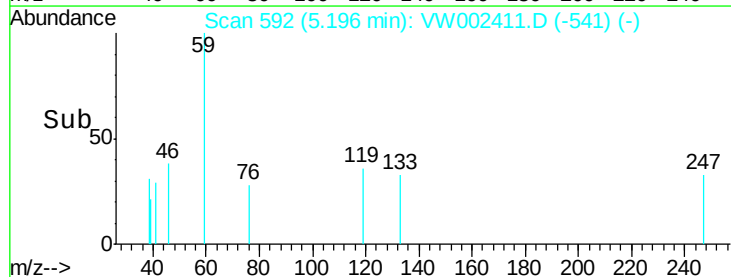
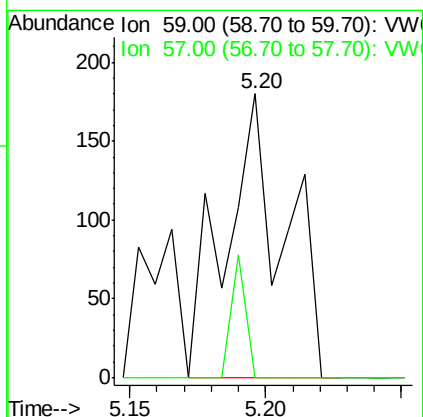
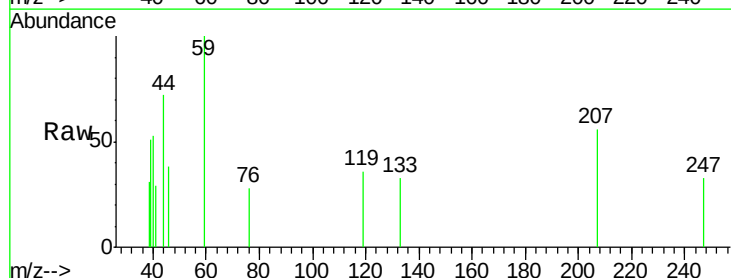
Instrument :
MSVOA_W
ClientSampled :

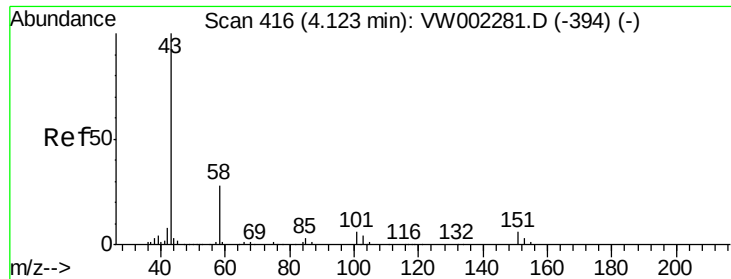
Tot Ion:168 Resp: 57174
Ion Ratio Lower Upper
168 100
99 53.0 43.7 65.5



#11
Tert butyl alcohol
Concen: 6.14 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW002411.D
Acq: 11 May 2018 05:49

Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 10.7 3.9 5.9#





#16

Acetone

Concen: 35.91 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002411.D

Acq: 11 May 2018 05:49

Instrument :

MSVOA_W

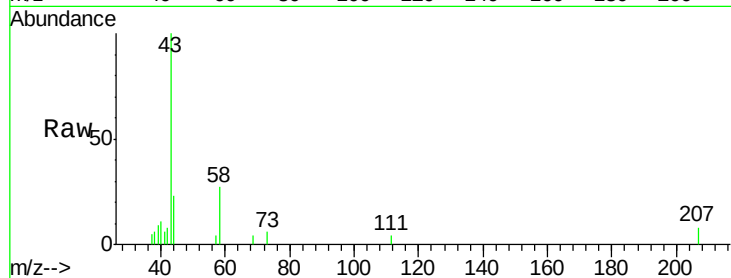
ClientSampleId :

Tot Ion: 43 Resp: 4258

Ion Ratio Lower Upper

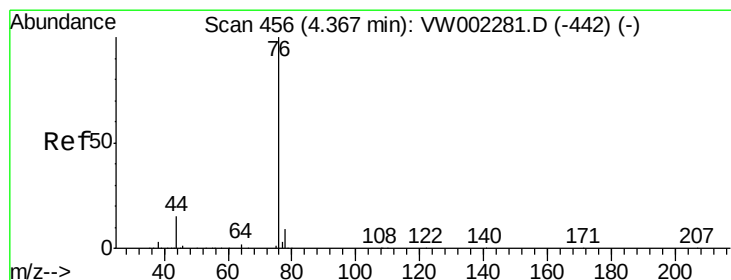
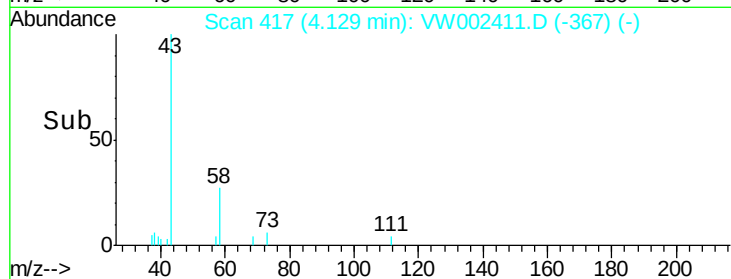
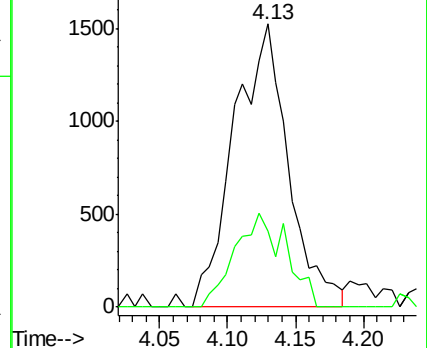
43 100

58 26.9 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.07 ug/l

RT: 4.35 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW002411.D

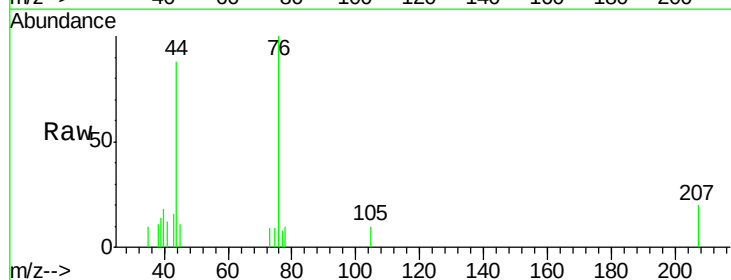
Acq: 11 May 2018 05:49

Tgt Ion: 76 Resp: 1613

Ion Ratio Lower Upper

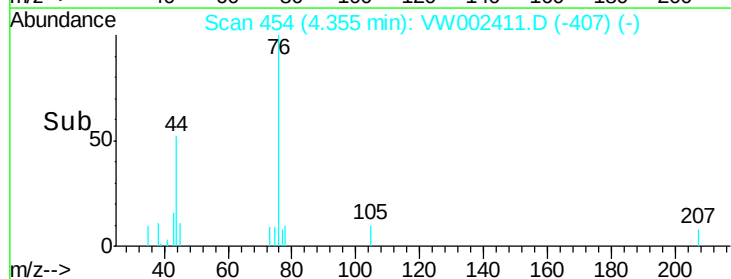
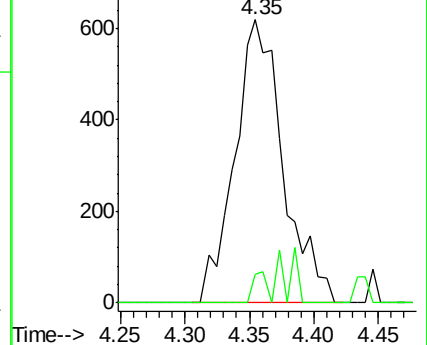
76 100

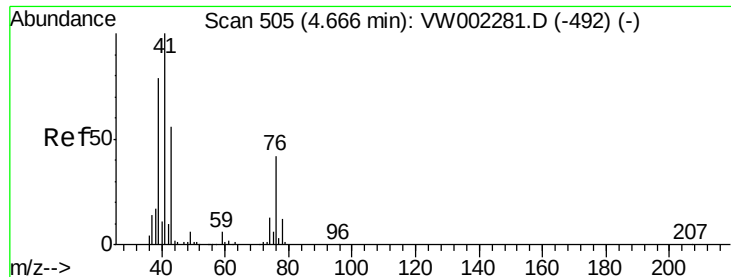
78 10.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#18

Methyl Acetate

Concen: 1.38 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002411.D

Acq: 11 May 2018 05:49

Instrument :

MSVOA_W

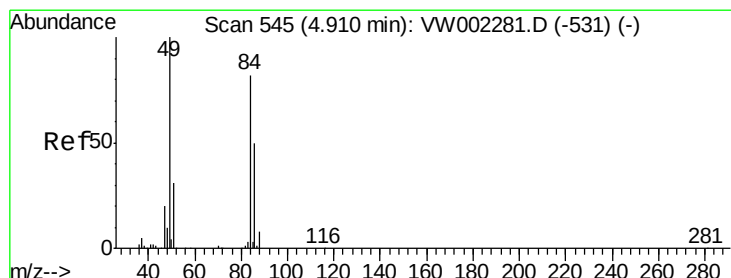
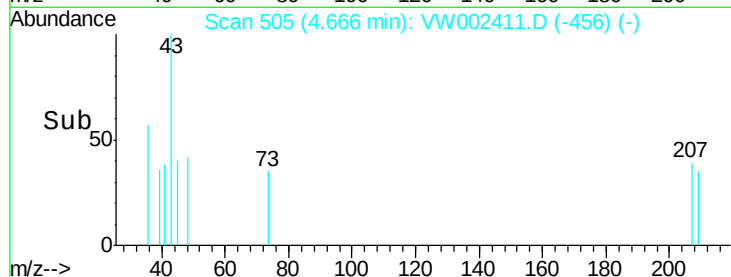
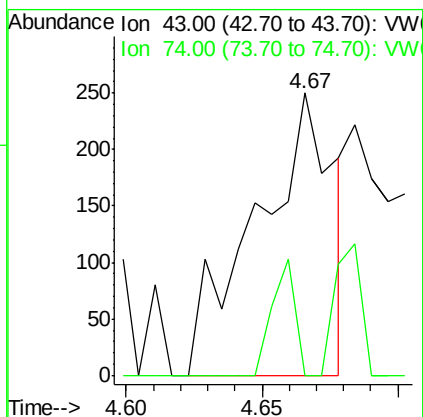
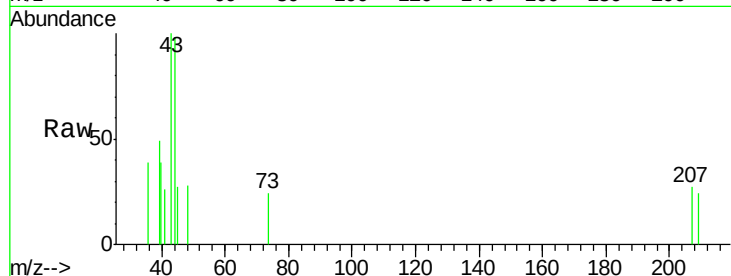
ClientSampled :

Tot Ion: 43 Resp: 492

Ion Ratio Lower Upper

43 100

74 12.2 19.4 29.2#



#20

Methylene Chloride

Concen: 6.62 ug/l

RT: 4.91 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW002411.D

Acq: 11 May 2018 05:49

Tgt Ion: 84 Resp: 3787

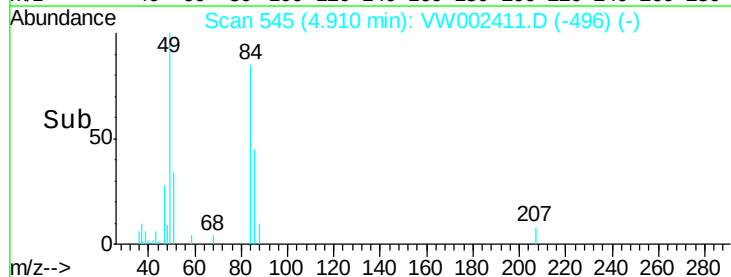
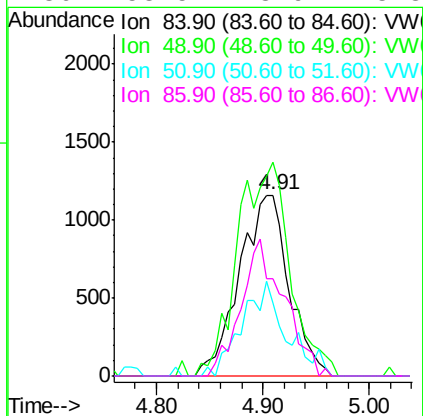
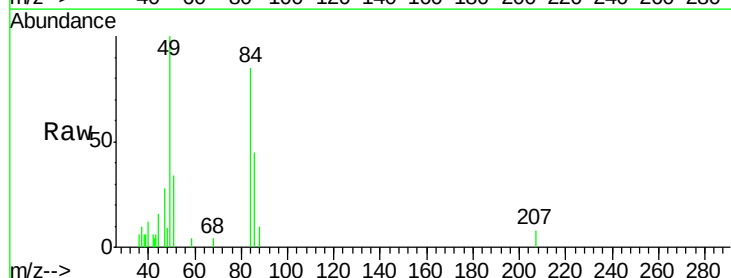
Ion Ratio Lower Upper

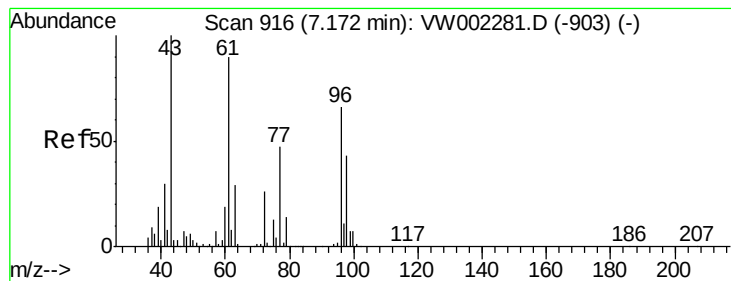
84 100

49 118.0 97.7 146.5

51 40.7 30.2 45.4

86 53.5 48.9 73.3





#25

2-Butanone

Concen: 1.78 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW002411.D

Acq: 11 May 2018 05:49

Instrument :

MSVOA_W

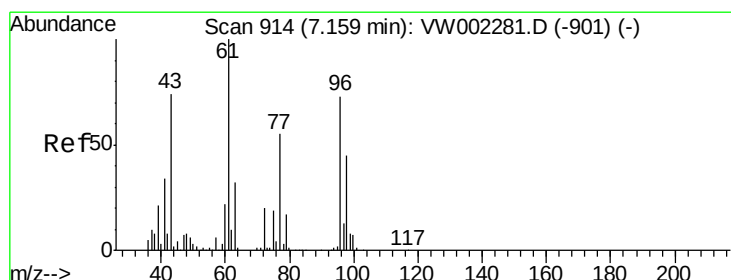
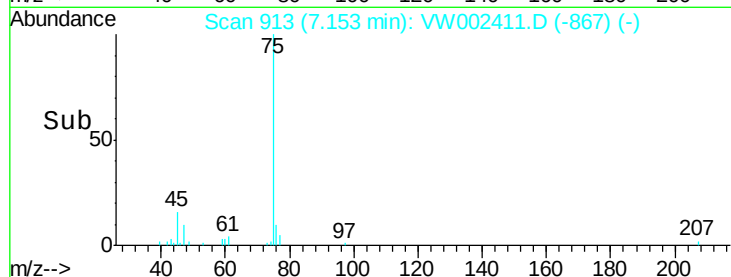
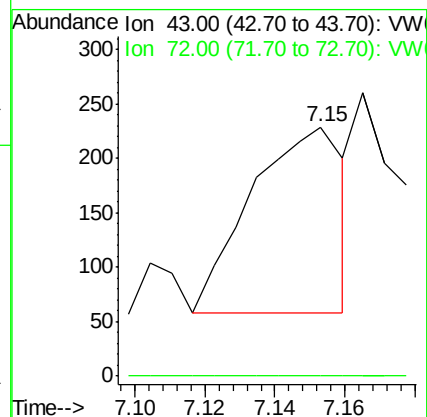
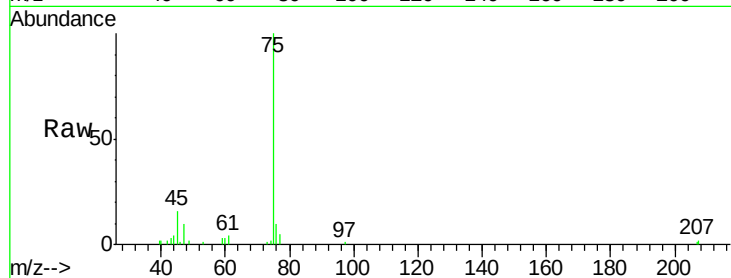
ClientSampleId :

Tot Ion: 43 Resp: 314

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#26

2,2-Dichloropropane

Concen: 1.67 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW002411.D

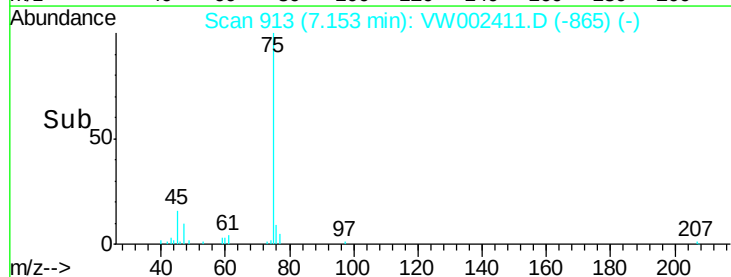
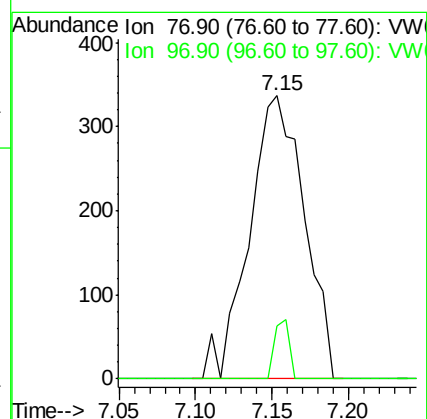
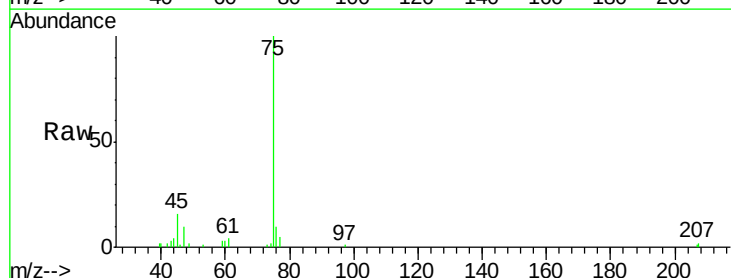
Acq: 11 May 2018 05:49

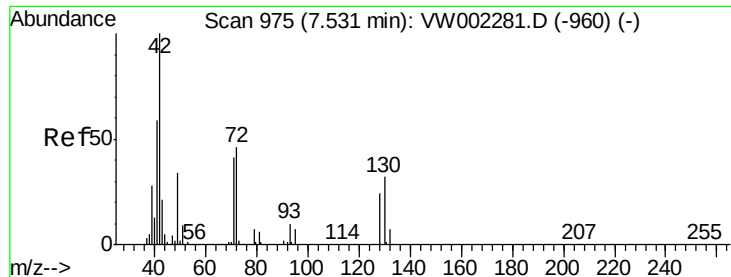
Tgt Ion: 77 Resp: 842

Ion Ratio Lower Upper

77 100

97 5.8 12.7 38.0#

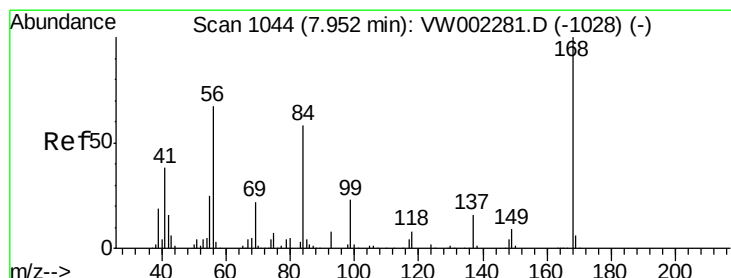
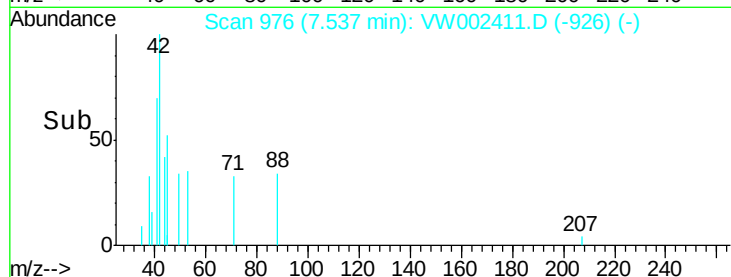
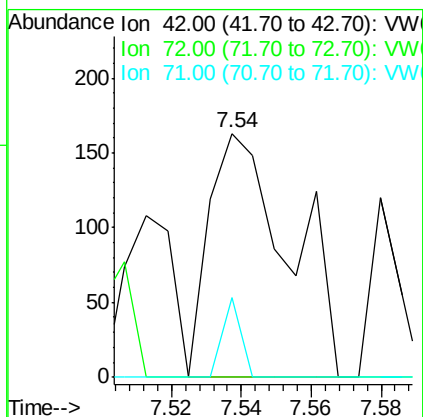
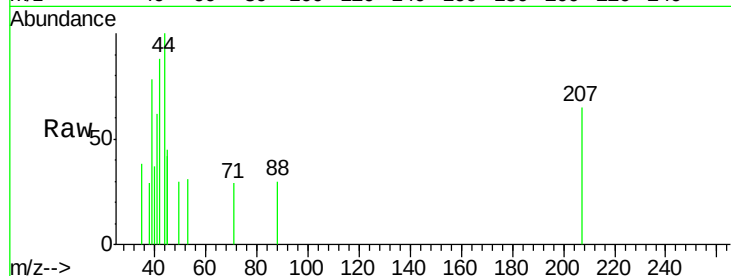




#29
Tetrahydrofuran
Concen: 2.24 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW002411.D
Acq: 11 May 2018 05:49

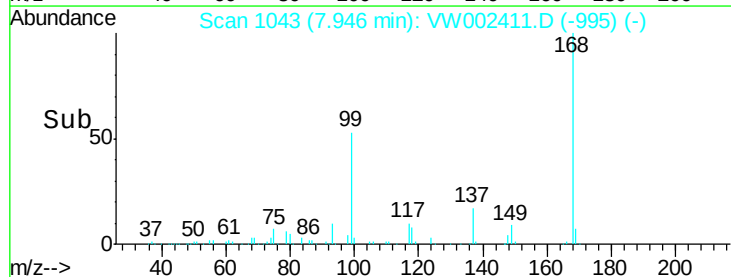
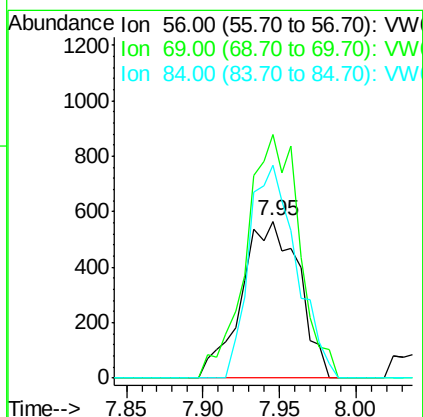
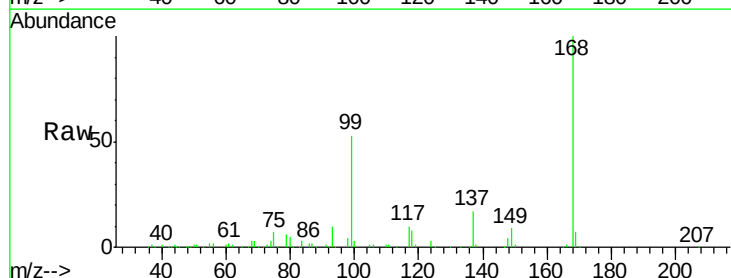
Instrument :
MSVOA_W
ClientSampled :

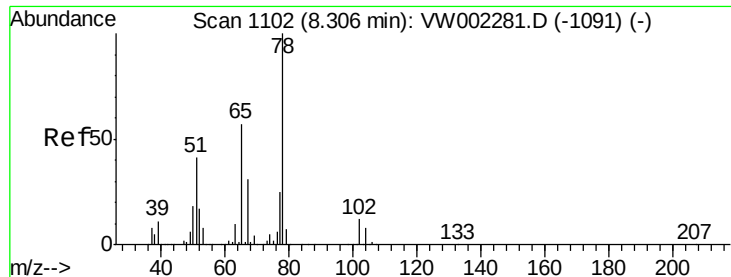
Tot Ion: 42 Resp: 259
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 7.3 33.0 49.6#



#31
Cyclohexane
Concen: 1.63 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002411.D
Acq: 11 May 2018 05:49

Tgt Ion: 56 Resp: 1471
Ion Ratio Lower Upper
56 100
69 155.4 26.2 39.4#
84 135.8 69.2 103.8#

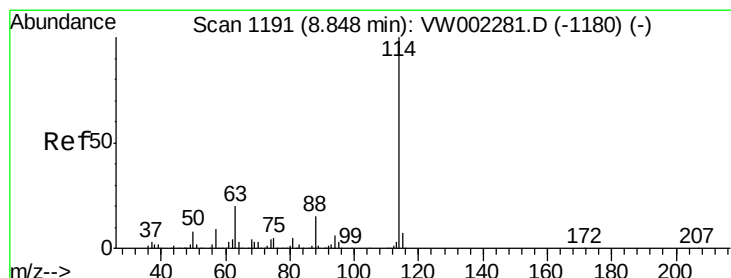
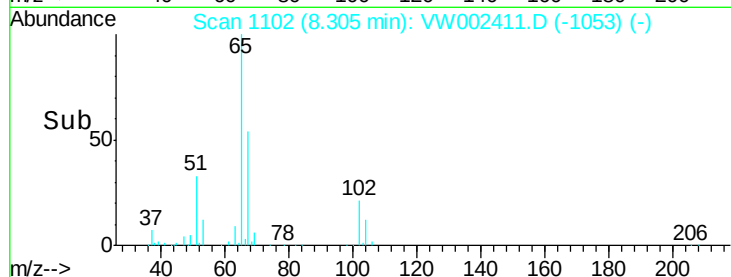
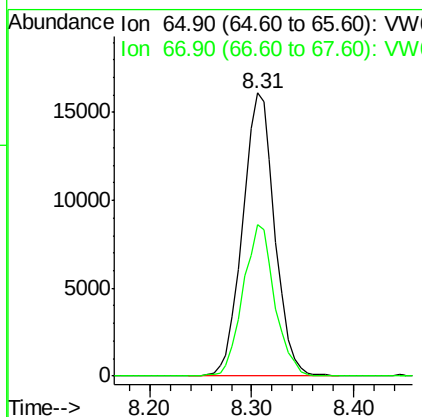
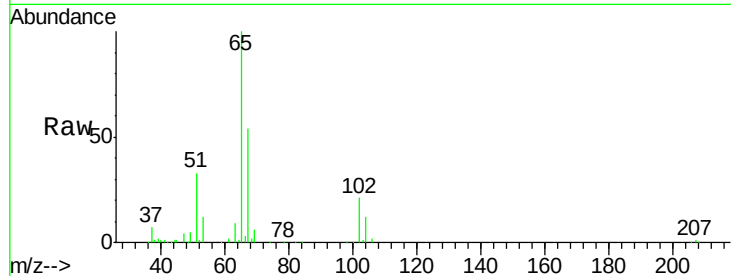




#33
 1,2-Dichloroethane-d4
 Concen: 57.92 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002411.D
 Acq: 11 May 2018 05:49

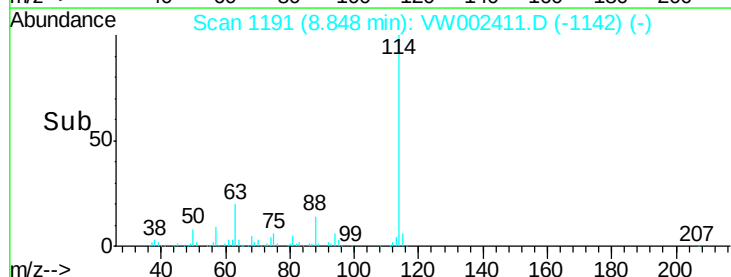
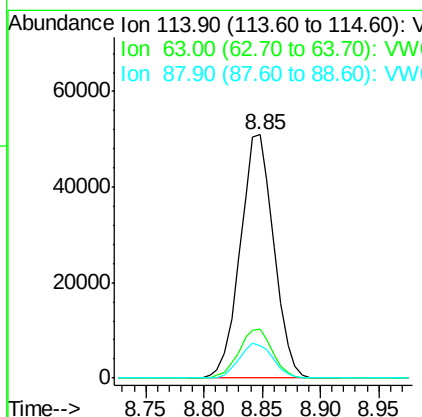
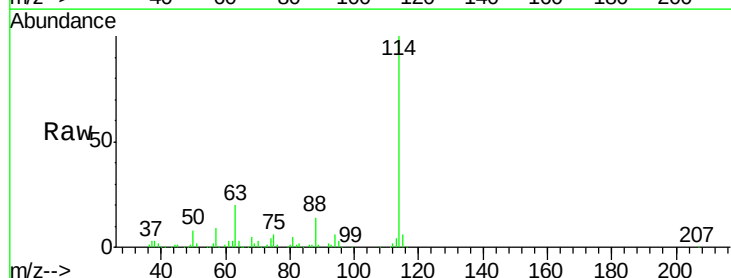
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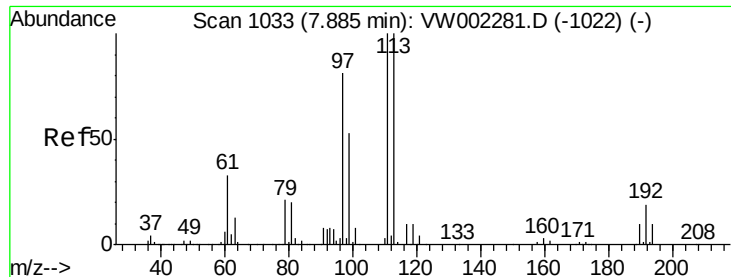
Tot Ion: 65 Resp: 35165
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002411.D
 Acq: 11 May 2018 05:49

Tgt Ion: 114 Resp: 102433
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 13.5 0.0 29.6

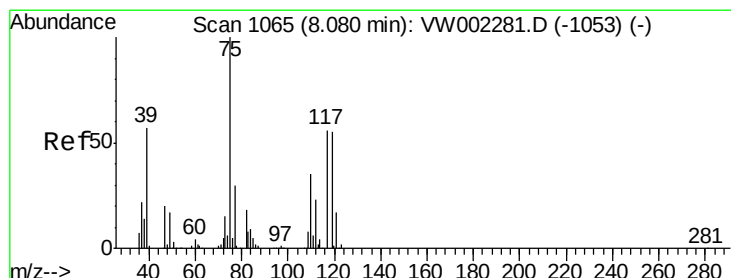
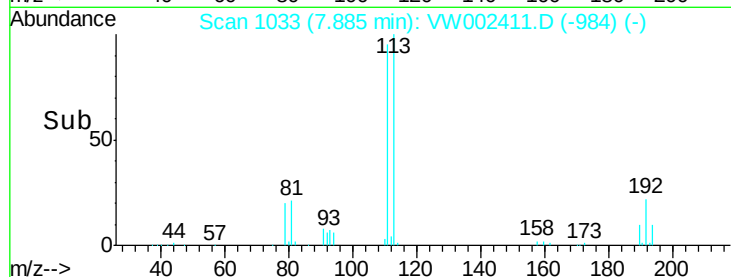
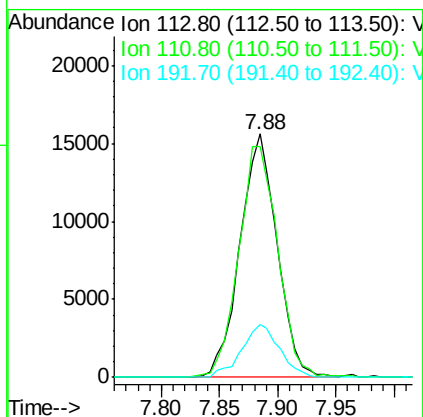
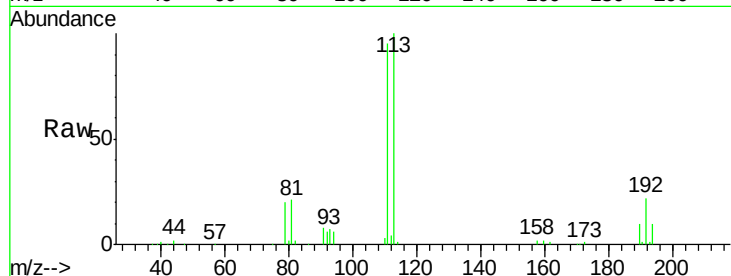




#35
Dibromofluoromethane
Concen: 52.70 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW002411.D
Acq: 11 May 2018 05:49

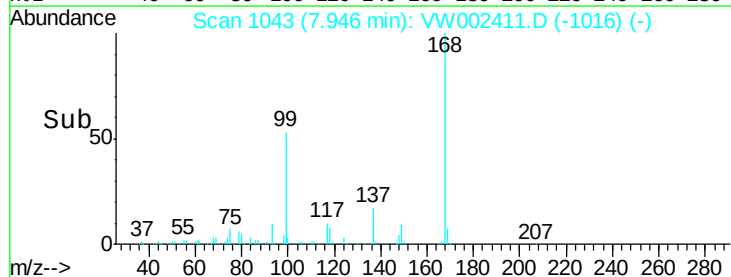
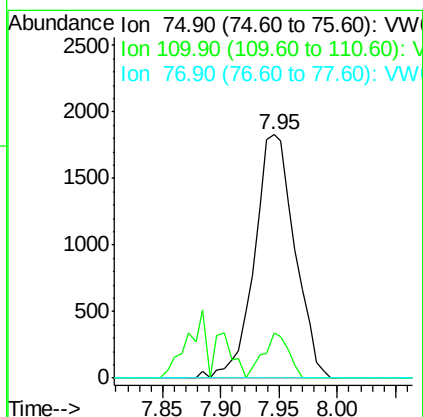
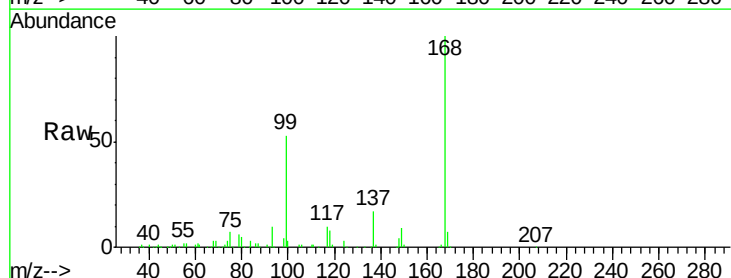
Instrument :
MSVOA_W
ClientSampleId :

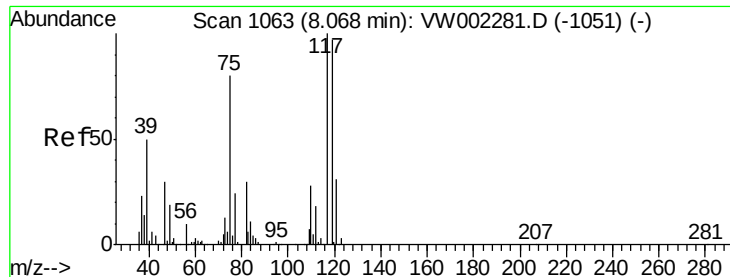
Tot Ion:113 Resp: 34602
Ion Ratio Lower Upper
113 100
111 100.6 81.5 122.3
192 22.0 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.13 min
Lab File: VW002411.D
Acq: 11 May 2018 05:49

Tgt Ion: 75 Resp: 4403
Ion Ratio Lower Upper
75 100
110 11.7 18.1 54.1#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.35 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002411.D

Acq: 11 May 2018 05:49

Instrument :
MSVOA_W
ClientSampleId :

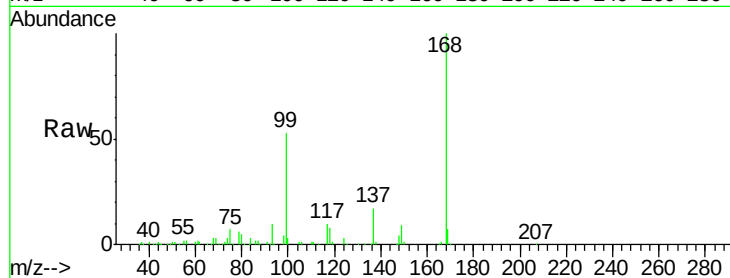
Tot Ion:117 Resp: 5688

Ion Ratio Lower Upper

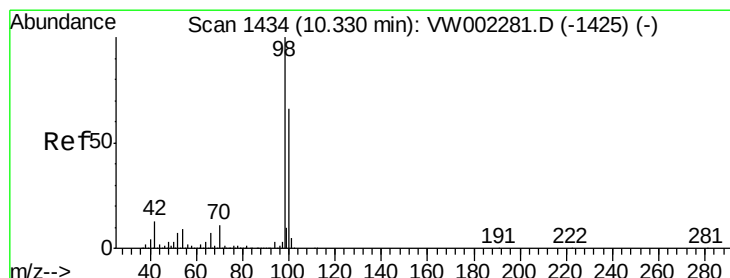
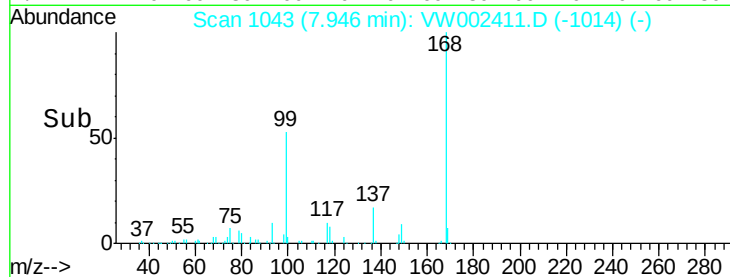
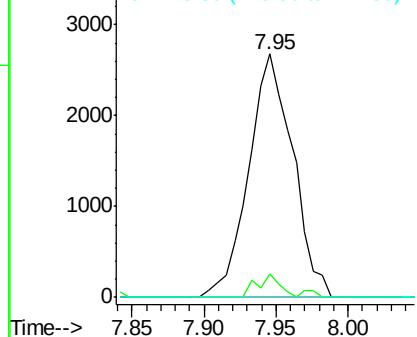
117 100

119 9.6 77.5 116.3#

121 0.0 24.4 36.6#



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: 31.00 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002411.D

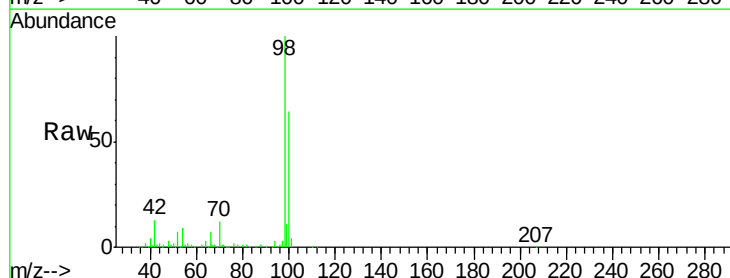
Acq: 11 May 2018 05:49

Tgt Ion: 98 Resp: 77625

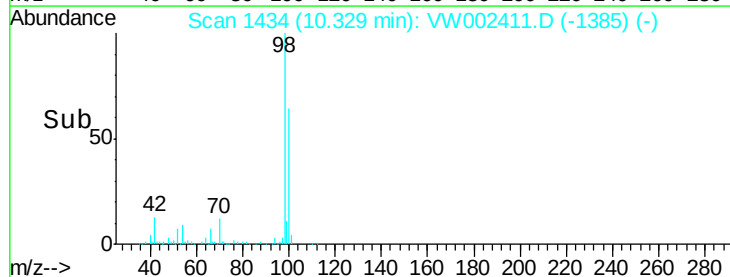
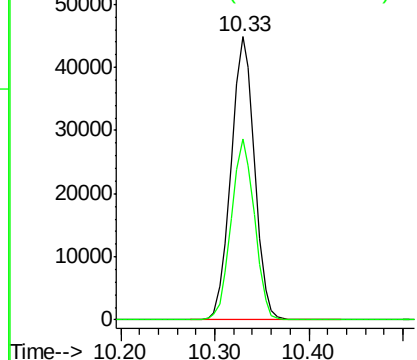
Ion Ratio Lower Upper

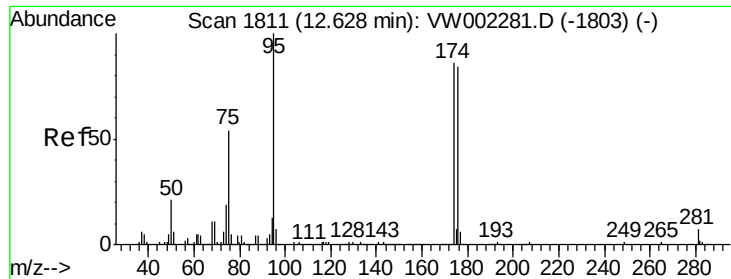
98 100

100 63.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 13.80 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW002411.D

Acq: 11 May 2018 05:49

Instrument :

MSVOA_W

ClientSampled :

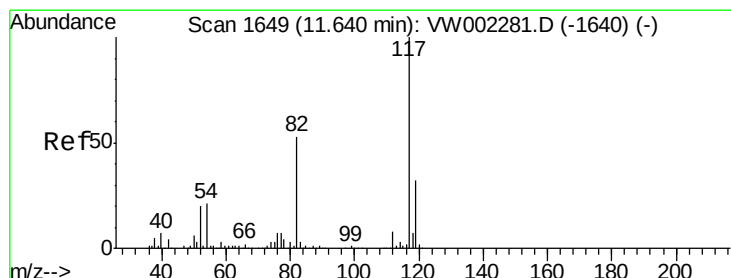
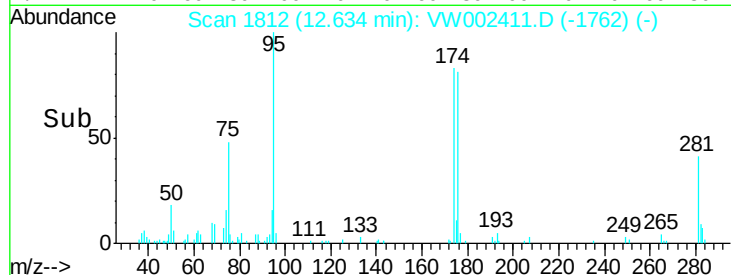
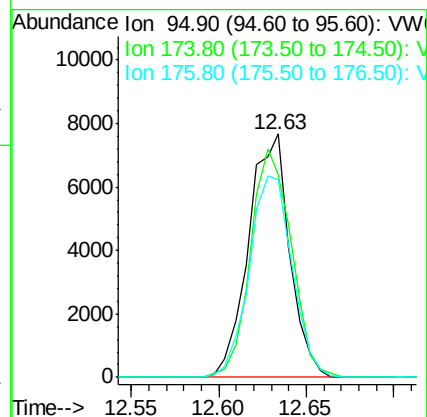
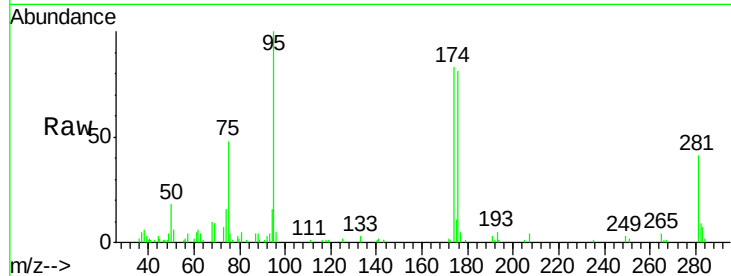
Tot Ion: 95 Resp: 12483

Ion Ratio Lower Upper

95 100

174 93.3 0.0 176.8

176 86.5 0.0 170.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002411.D

Acq: 11 May 2018 05:49

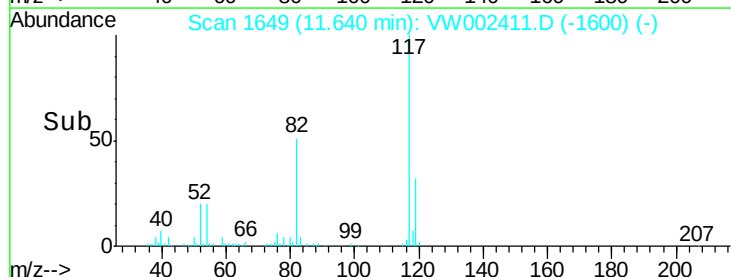
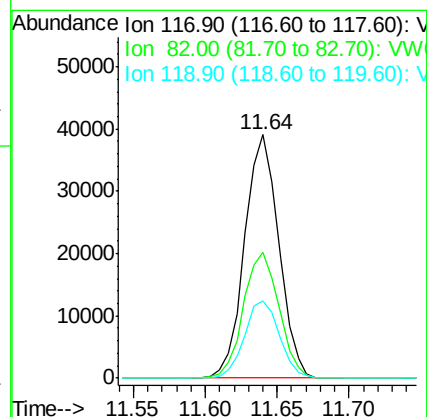
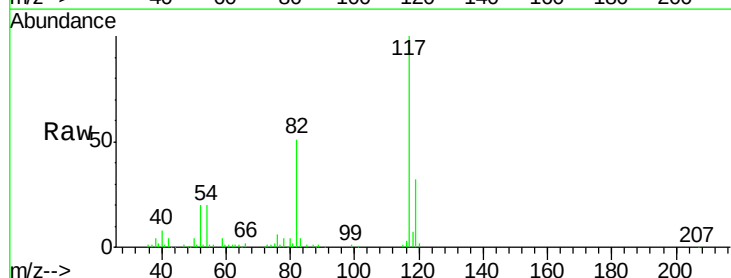
Tgt Ion: 117 Resp: 64126

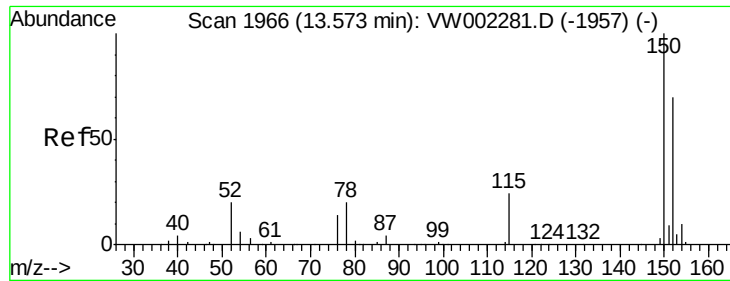
Ion Ratio Lower Upper

117 100

82 51.5 42.6 63.8

119 31.9 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002411.D

Acq: 11 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

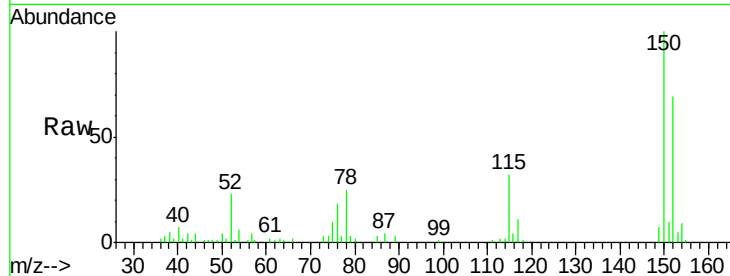
Tot Ion:152 Resp: 8913

Ion Ratio Lower Upper

152 100

115 56.7 28.5 85.5

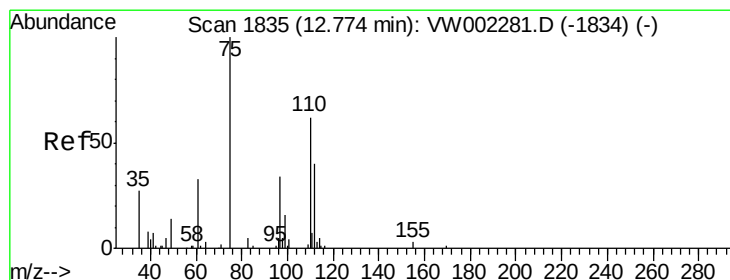
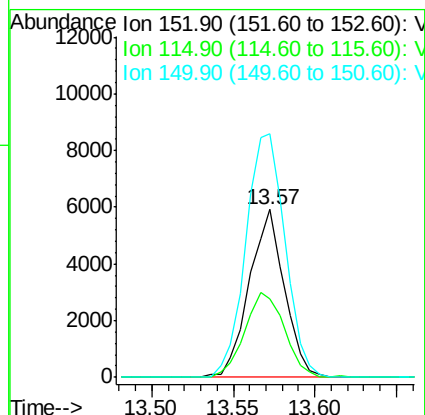
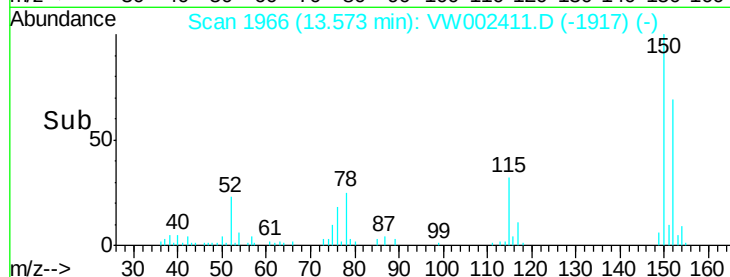
150 161.4 0.0 342.6



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



#76

1,2,3-Trichloropropane

Concen: 88.89 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002411.D

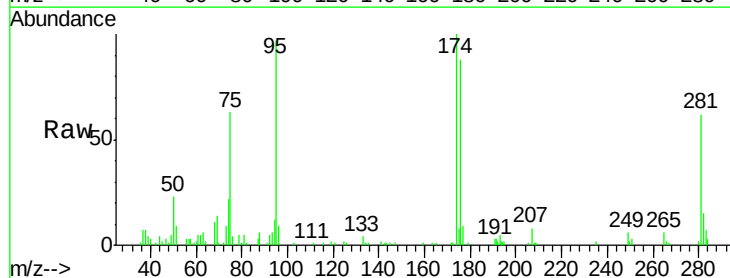
Acq: 11 May 2018 05:49

Tgt Ion: 75 Resp: 7026

Ion Ratio Lower Upper

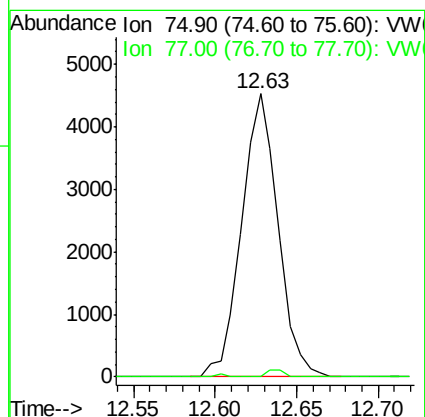
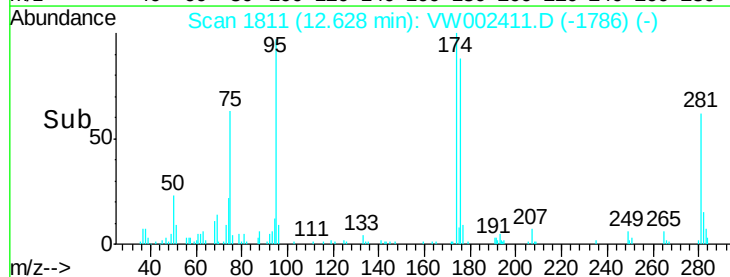
75 100

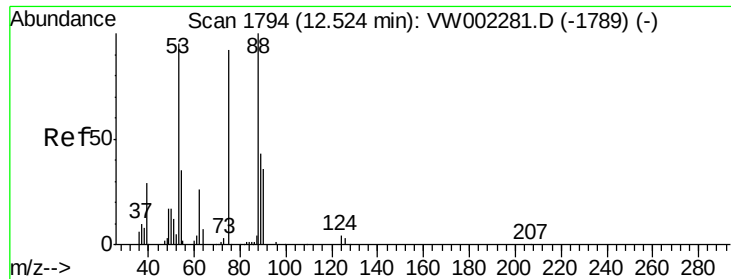
77 1.1 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

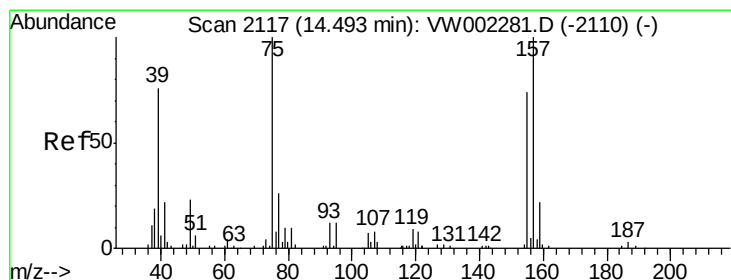
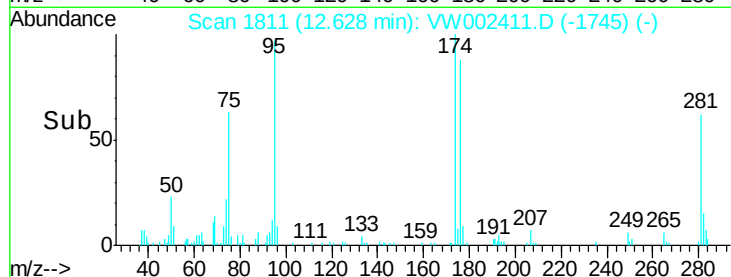
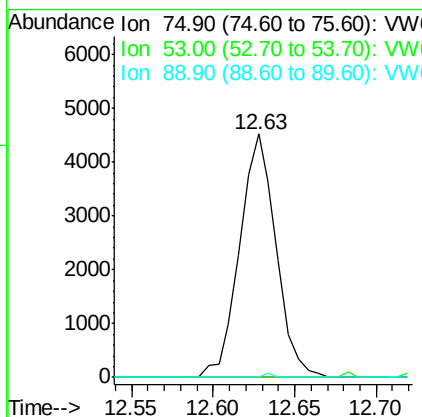
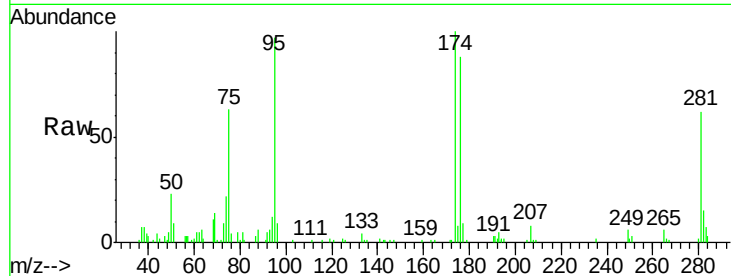




#81
trans-1,4-Dichloro-2-butene
Concen: 234.16 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.10 min
Lab File: VW002411.D
Acq: 11 May 2018 05:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 7026
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.4 37.6 56.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.40 ug/l
RT: 14.49 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VW002411.D
Acq: 11 May 2018 05:49

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
155 0.0 43.3 129.8#
157 0.0 55.8 167.4#

