

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL04252EX3.D
 Acq On : 07 May 2025 18:32
 Operator : SY/MD
 Sample : CAN 10198 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10198 40X

Quant Time: May 08 08:14:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

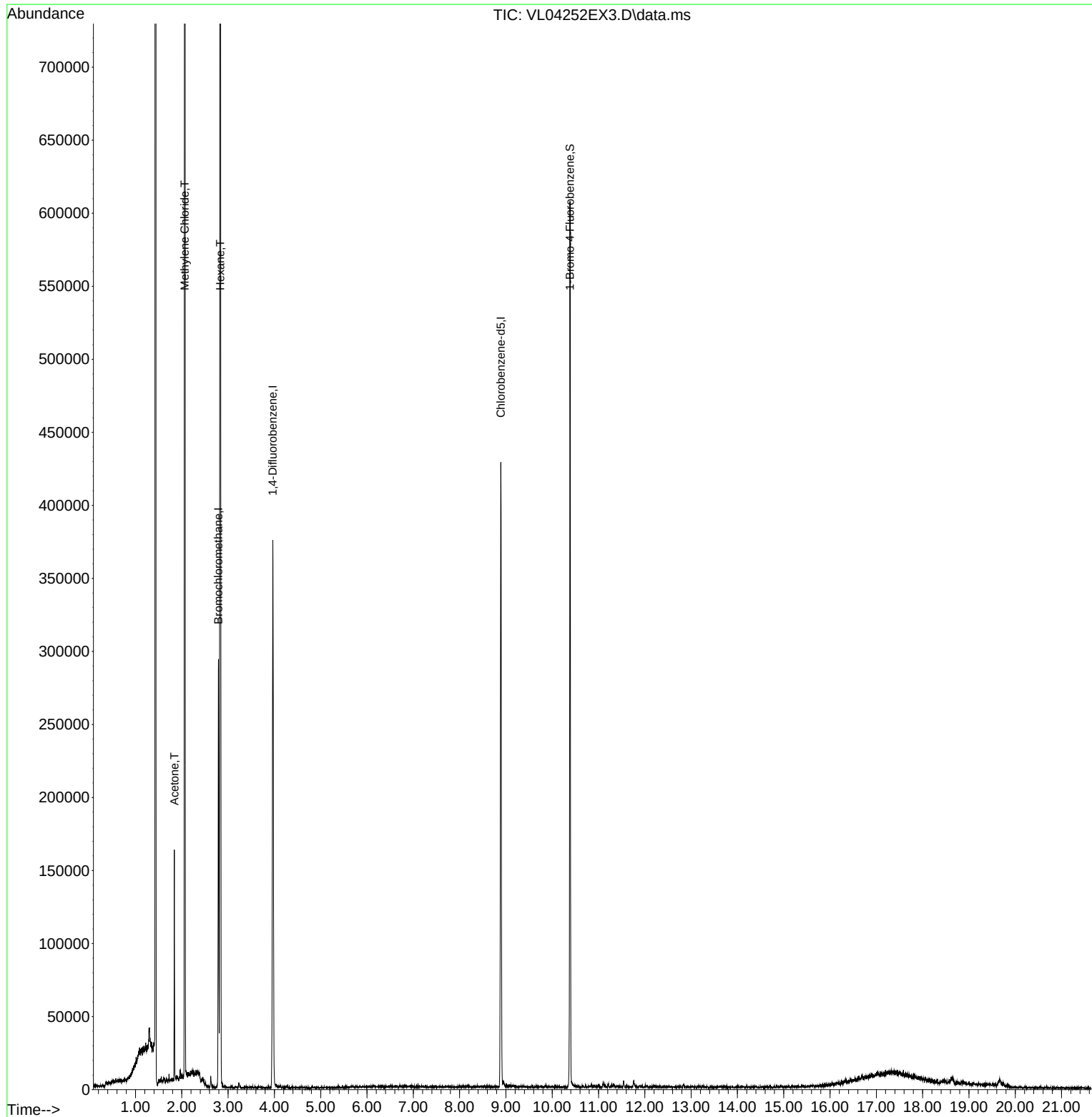
Internal Standards						
1) Bromochloromethane	2.790	49	76470	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	179584	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	153592	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	136877	9.612	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						
						Qvalue
15) Acetone	1.839	43	65037	4.659	ppbv	97
20) Methylene Chloride	2.065	84	505193	120.377	ppbv	99
26) Hexane	2.829	57	384900	39.528	ppbv #	38

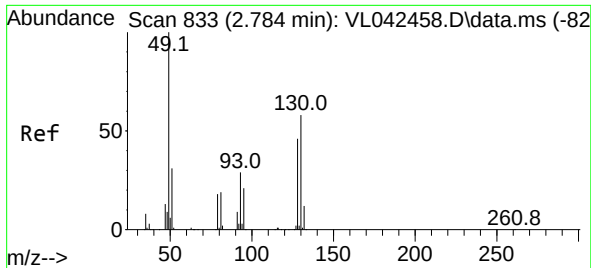
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.790 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL04252EX3.D

Acq: 07 May 2025 18:32

Instrument :

MSVOA_L

ClientSampleId :

CAN 10198 40X

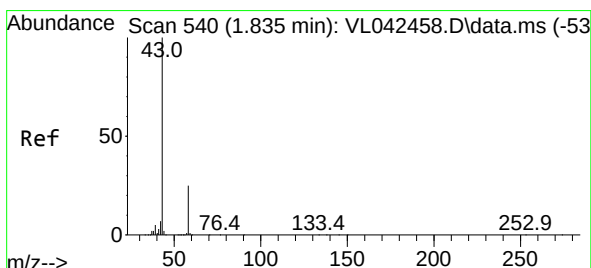
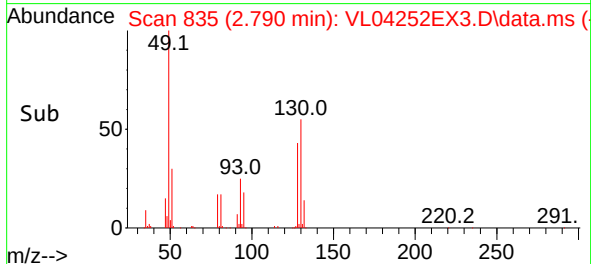
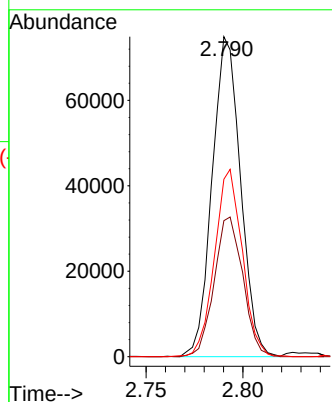
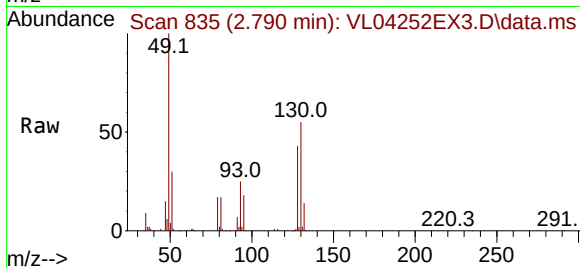
Tgt Ion: 49 Resp: 76470

Ion Ratio Lower Upper

49 100

128 44.1 23.3 69.9

130 57.3 29.5 88.6



#15

Acetone

Concen: 4.659 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.003 min

Lab File: VL04252EX3.D

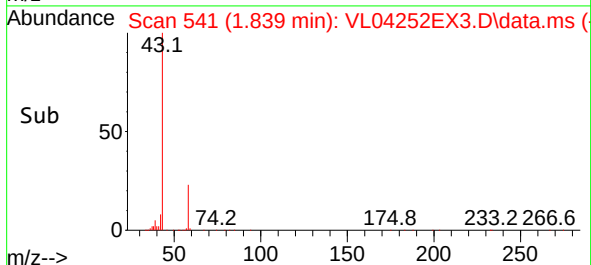
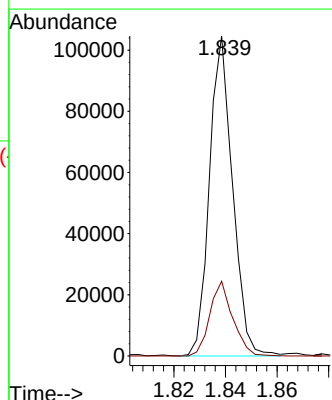
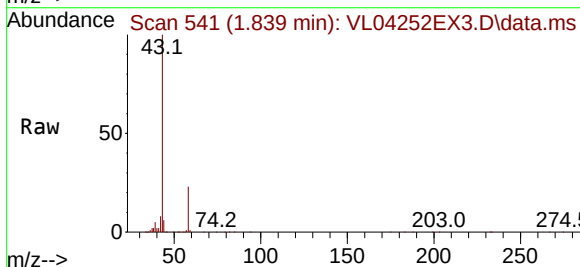
Acq: 07 May 2025 18:32

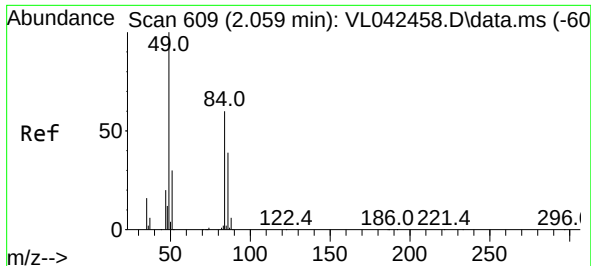
Tgt Ion: 43 Resp: 65037

Ion Ratio Lower Upper

43 100

58 23.1 19.8 29.8





#20

Methylene Chloride

Concen: 120.377 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL04252EX3.D

Acq: 07 May 2025 18:32

Instrument :

MSVOA_L

ClientSampleId :

CAN 10198 40X

Tgt Ion: 84 Resp: 505193

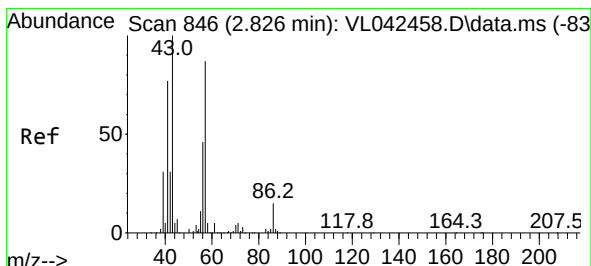
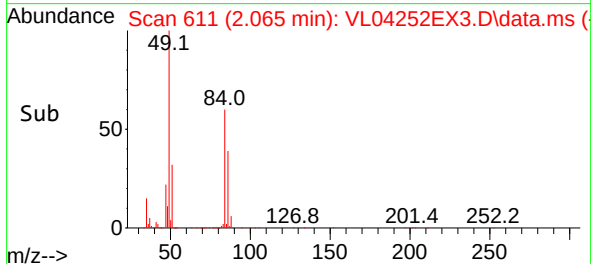
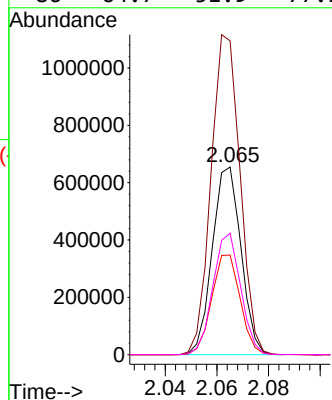
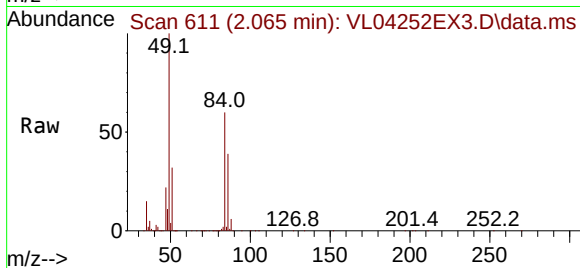
Ion Ratio Lower Upper

84 100

49 167.0 133.9 200.9

51 53.1 41.0 61.6

86 64.7 51.9 77.9



#26

Hexane

Concen: 39.528 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.003 min

Lab File: VL04252EX3.D

Acq: 07 May 2025 18:32

Tgt Ion: 57 Resp: 384900

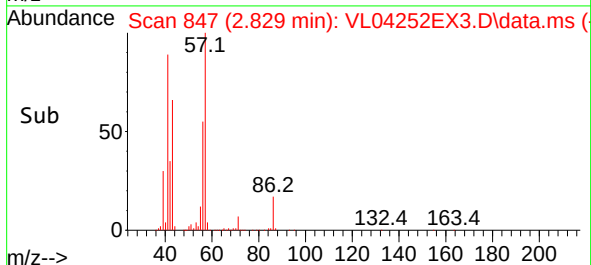
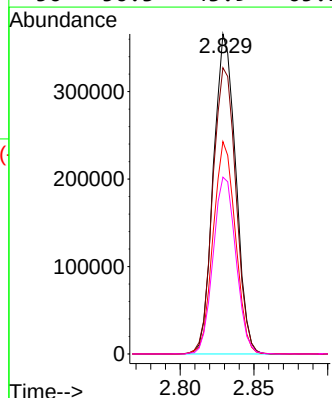
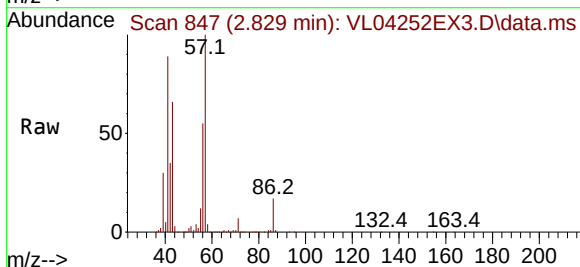
Ion Ratio Lower Upper

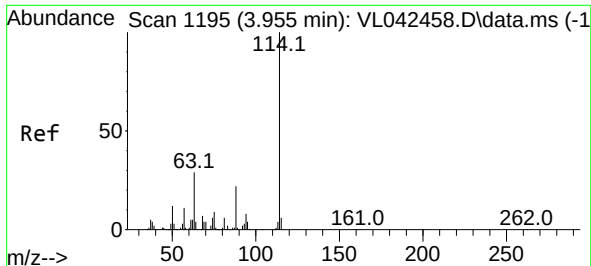
57 100

41 93.1 77.8 116.8

43 66.1 187.0 280.6#

56 56.3 43.9 65.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL04252EX3.D

Acq: 07 May 2025 18:32

Instrument :

MSVOA_L

ClientSampleId :

CAN 10198 40X

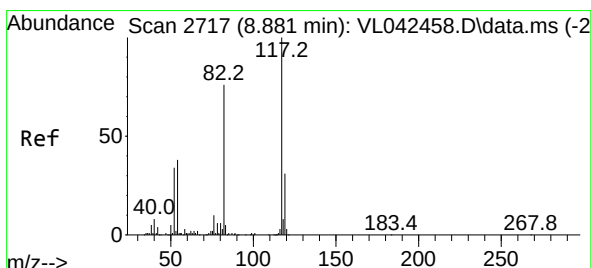
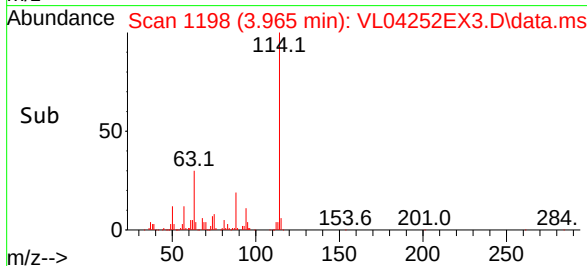
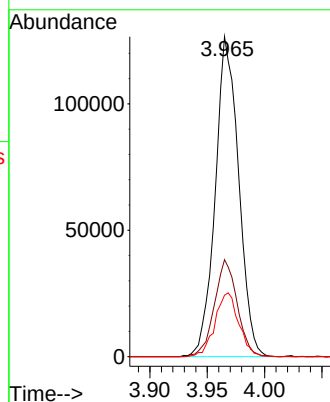
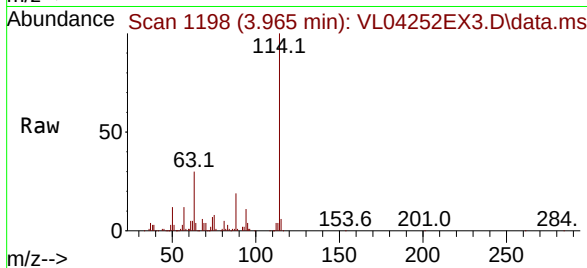
Tgt Ion:114 Resp: 179584

Ion Ratio Lower Upper

114 100

63 29.7 23.1 34.7

88 20.3 16.1 24.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2720

Delta R.T. 0.010 min

Lab File: VL04252EX3.D

Acq: 07 May 2025 18:32

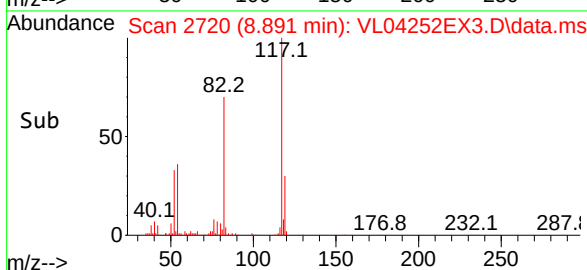
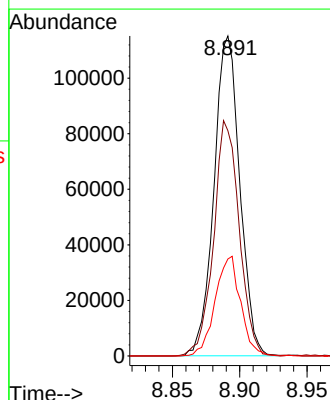
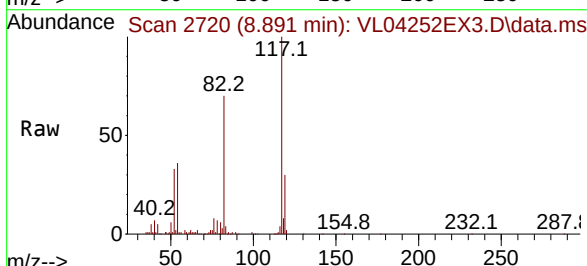
Tgt Ion:117 Resp: 153592

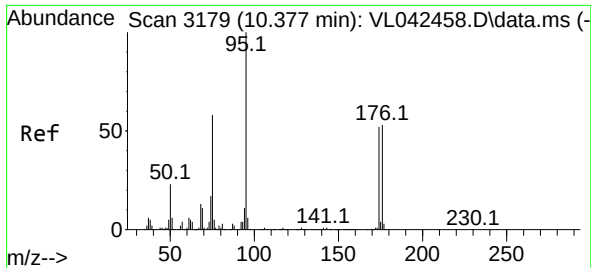
Ion Ratio Lower Upper

117 100

82 73.0 63.5 95.3

119 30.7 25.8 38.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.612 ppbv
 RT: 10.383 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VL04252EX3.D
 Acq: 07 May 2025 18:32

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10198 40X

Tgt Ion: 95 Resp: 136877

Ion	Ratio	Lower	Upper
95	100		
174	54.9	42.7	64.1
175	4.1	3.6	5.4

