

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038085.D
 Acq On : 19 Nov 2021 15:02
 Operator : SY/AP
 Sample : M4704-03DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 57-NEONEYDL2

Quant Time: Nov 25 21:00:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	828364	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2293997	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1942164	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1488527	10.63	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

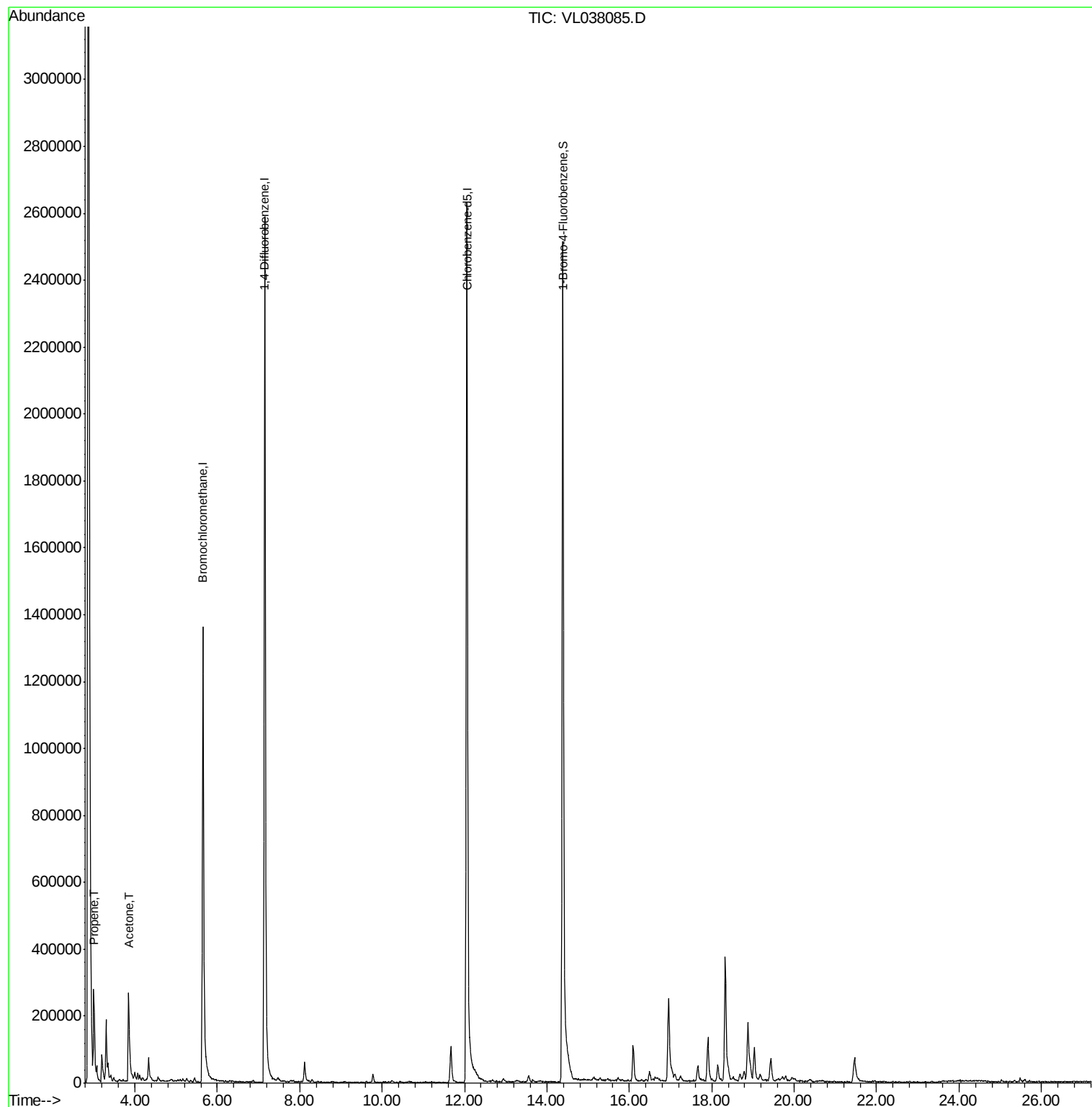
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	137630	2.148	ppbv	100
15) Acetone	3.84	43	404368	5.630	ppbv	100

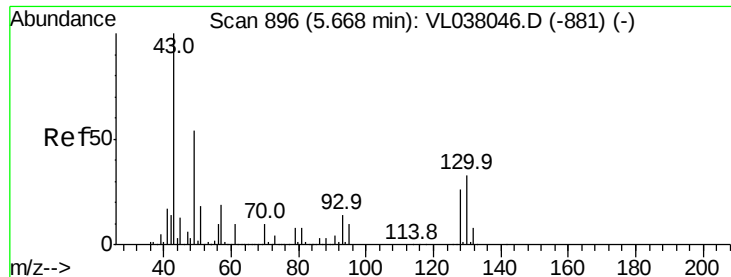
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 57-NEONEYDL2

Acq: 19 Nov 2021 15:02

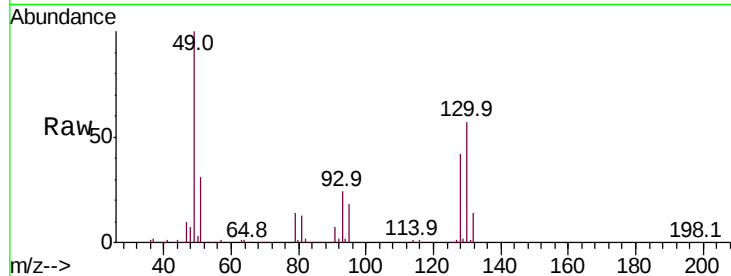
Tot Ion: 49 Resp: 828364

Ion Ratio Lower Upper

49 100

128 48.4 26.5 79.5

130 63.3 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

500000

400000

300000

200000

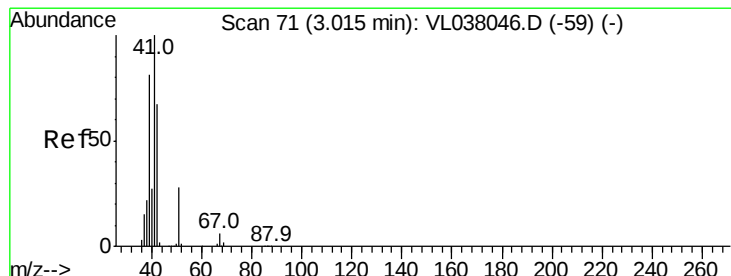
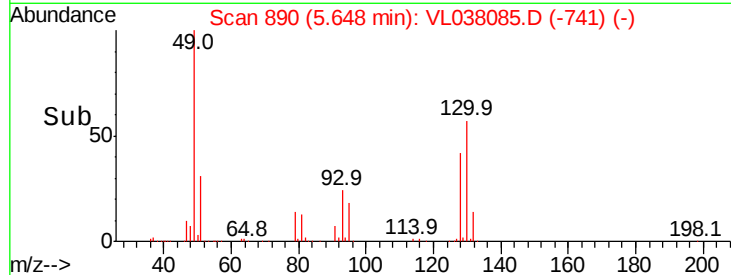
100000

0

5.65

5.55 5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 2.148 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL038085.D

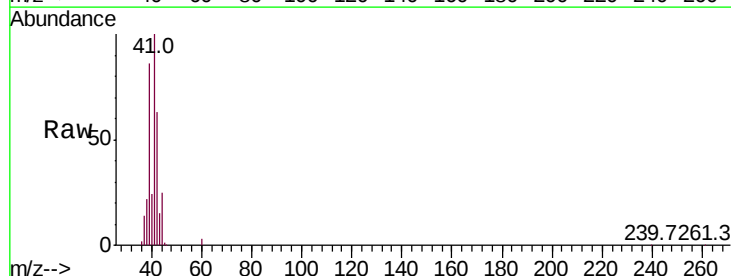
Acq: 19 Nov 2021 15:02

Tgt Ion: 41 Resp: 137630

Ion Ratio Lower Upper

41 100

42 67.2 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

80000

60000

40000

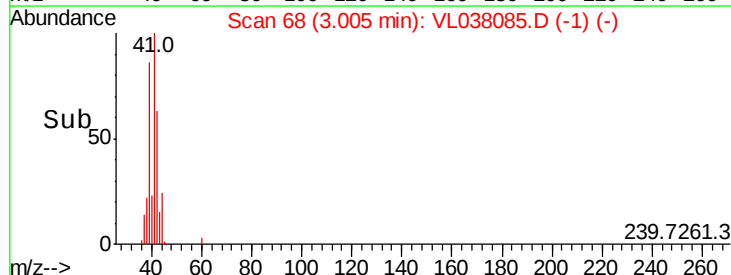
20000

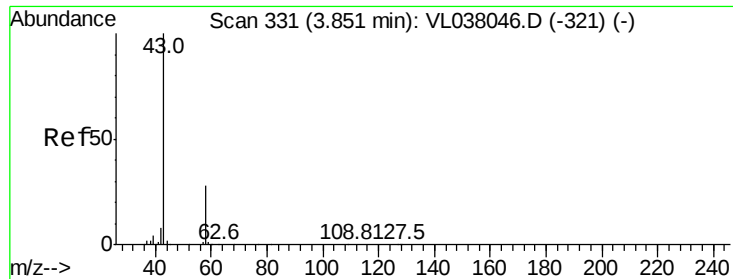
0

3.01

2.95 3.00 3.05

Time-->





#15

Acetone

Concen: 5.630 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

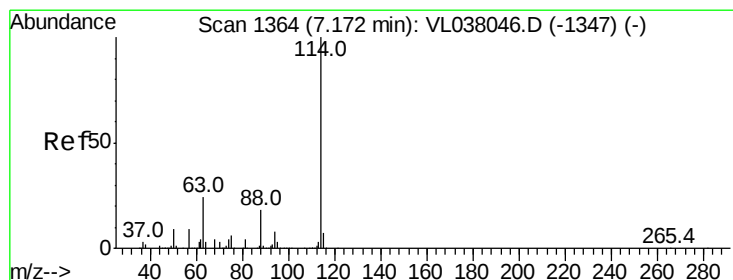
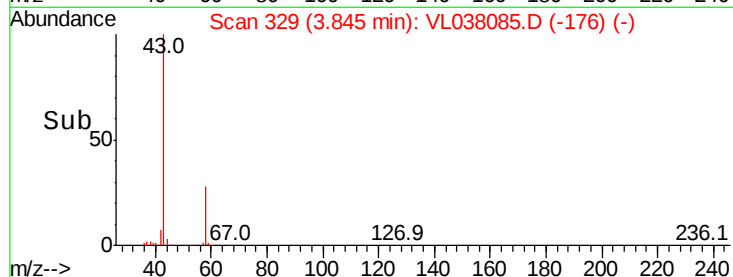
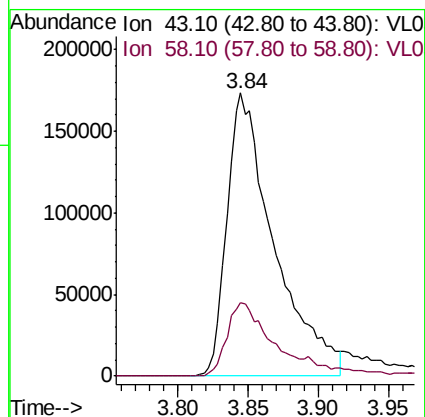
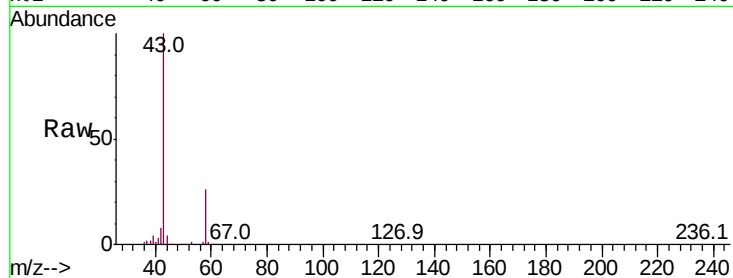
Acq: 19 Nov 2021 15:02

Tot Ion: 43 Resp: 404368

Ion Ratio Lower Upper

43 100

58 28.2 22.4 33.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VL038085.D

Acq: 19 Nov 2021 15:02

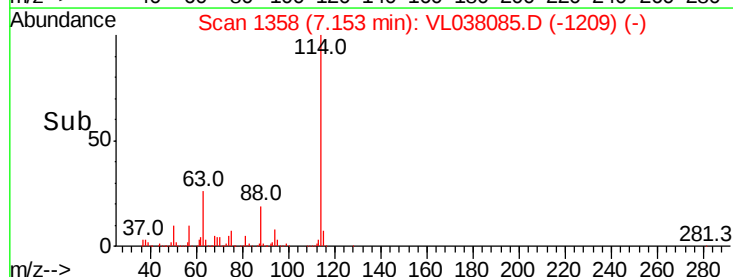
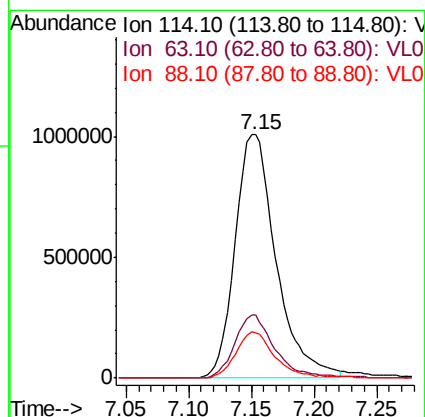
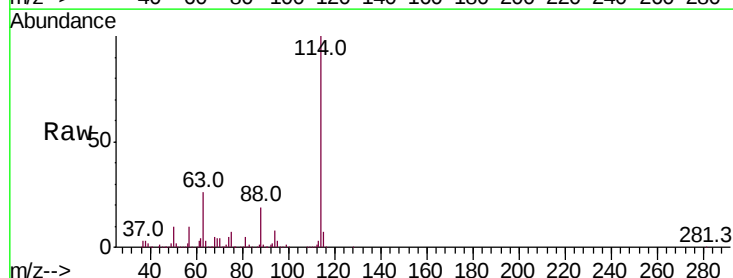
Tgt Ion: 114 Resp: 2293997

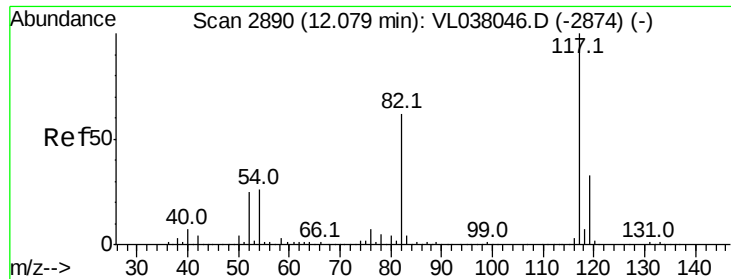
Ion Ratio Lower Upper

114 100

63 26.0 19.7 29.5

88 18.5 14.4 21.6

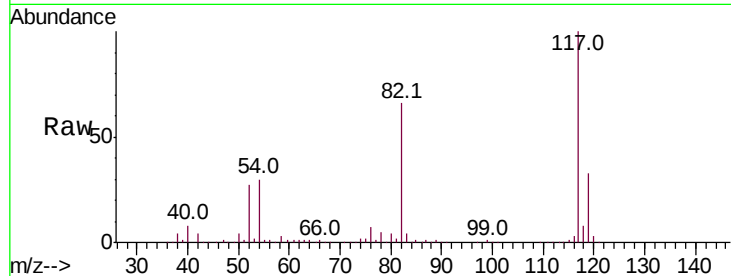




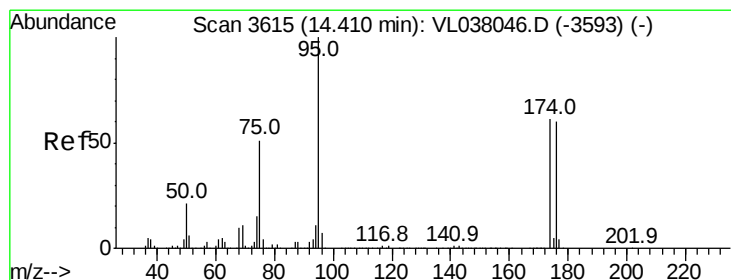
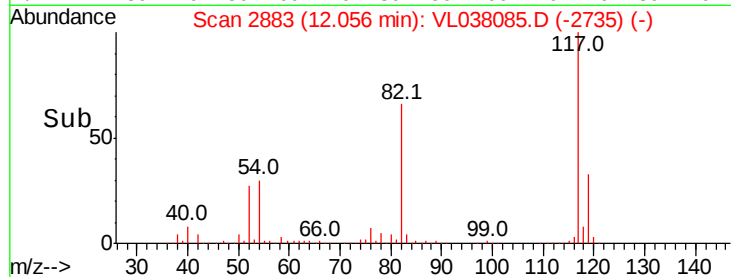
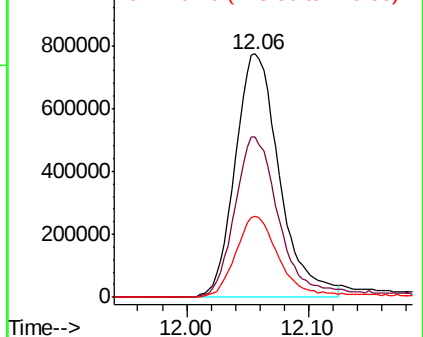
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 57-NEONEYDL2
 Acq: 19 Nov 2021 15:02

Tot Ion:117 Resp: 1942164

Ion	Ratio	Lower	Upper
117	100		
82	71.4	52.8	79.2
119	34.6	26.8	40.2



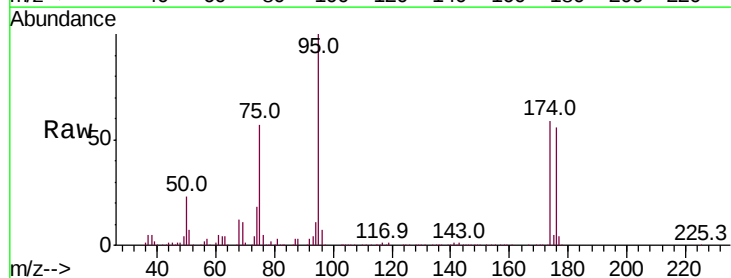
Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.625 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T.: -0.03 min
 Lab File: VL038085.D
 Acq: 19 Nov 2021 15:02

Tgt Ion: 95 Resp: 1488527

Ion	Ratio	Lower	Upper
95	100		
174	63.6	53.1	79.7
175	4.4	4.0	6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

