

Data File : VL031979.D

Acq On : 4 May 2018 2:04

Operator : SY/AP

Sample : J2629-01DL2 40X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG2DL2

Quant Time: May 04 03:29:53 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018

QLast Update : Thu May 03 15:52:13 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1243741	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2526507	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2434218	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	1940525	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	3.09	51	2724	0.02	ppbv #	60
9) Propene	3.13	41	4315	0.10	ppbv	99
13) Ethanol	3.76	45	2467	0.15	ppbv #	100
15) Acetone	4.01	43	35912	0.20	ppbv	93
17) tert-Butyl alcohol	4.50	59	1415	0.02	ppbv #	1
20) Methylene Chloride	4.51	84	5248	0.09	ppbv #	88
26) Hexane	5.90	57	2368	0.02	ppbv #	1
30) Cyclohexane	7.42	84	2761	0.03	ppbv #	3
34) 2-Butanone	5.47	43	13132	0.06	ppbv #	53
39) 1,2-Dichloropropane	7.42	63	658392	7.95	ppbv #	24

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

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SG2DL2

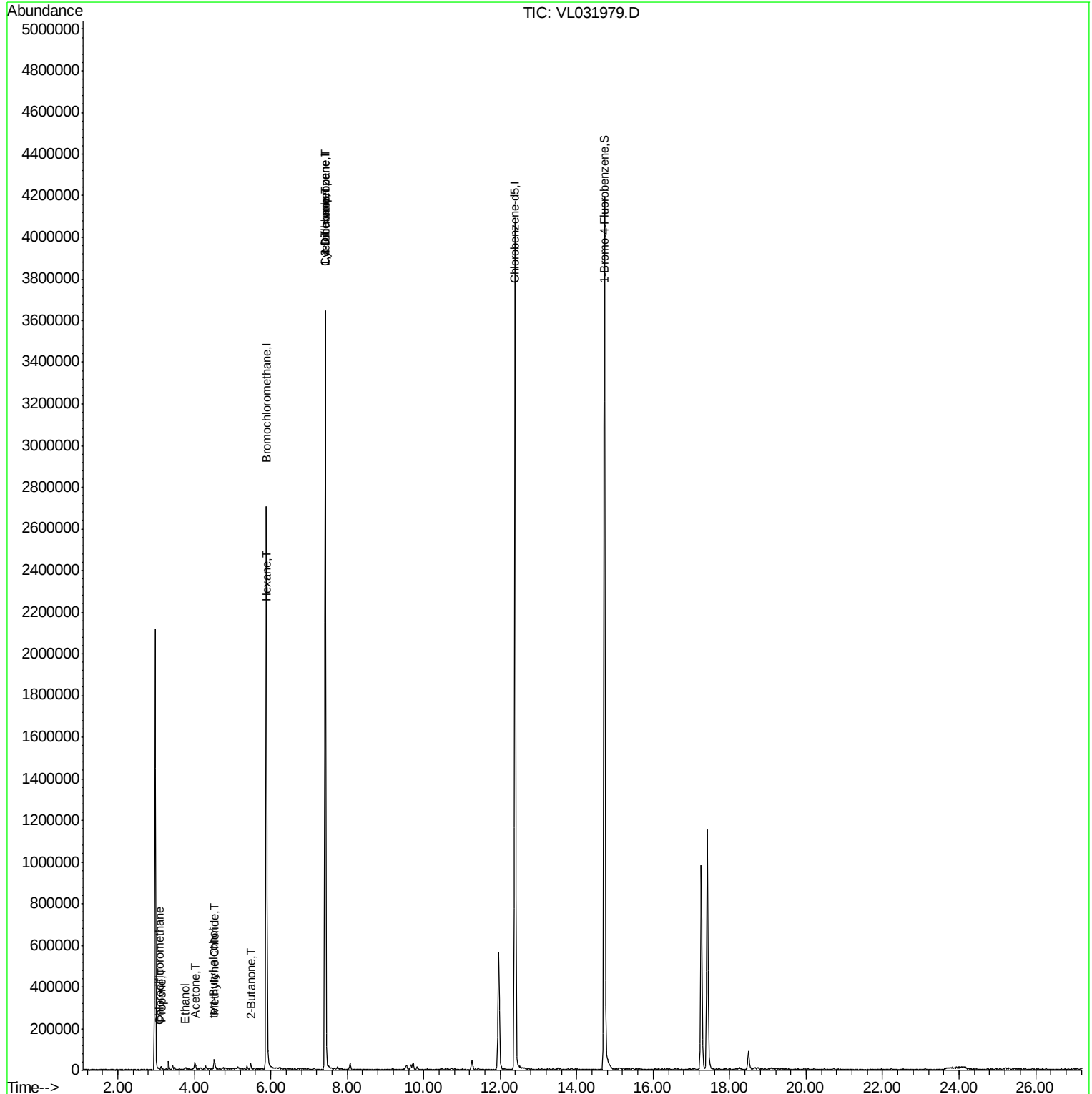
Quant Time: May 04 03:29:53 2018

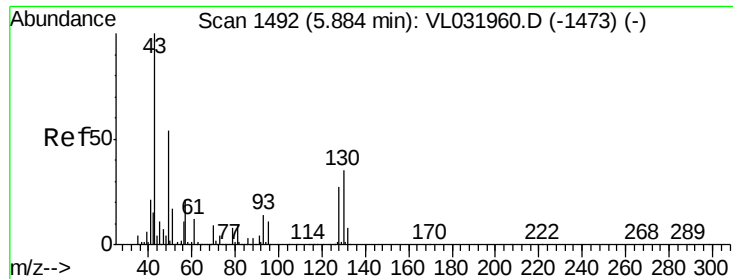
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

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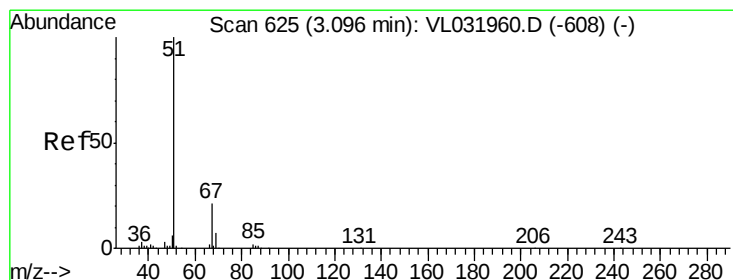
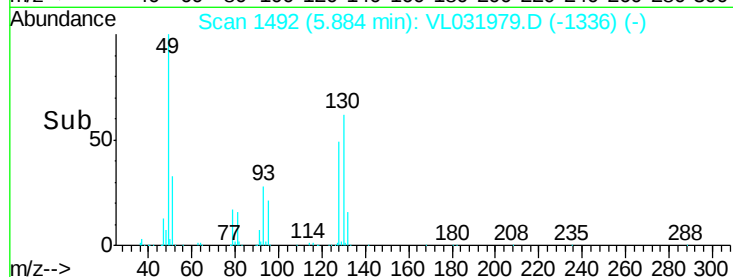
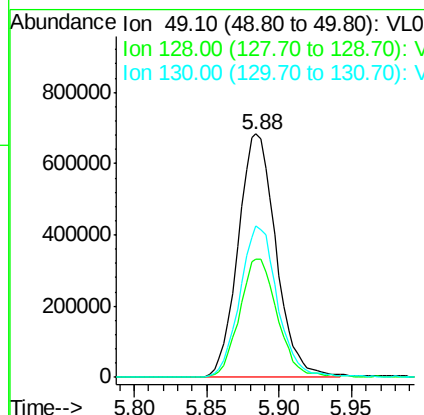
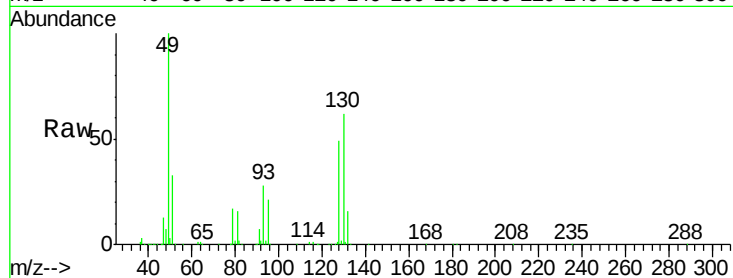




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.88 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VL031979.D
 Acq: 4 May 2018 2:04

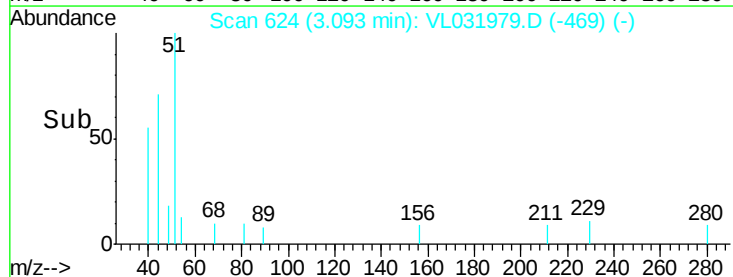
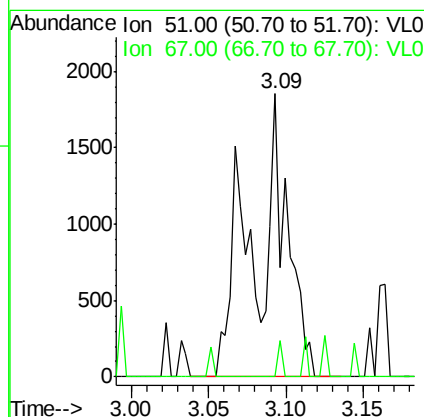
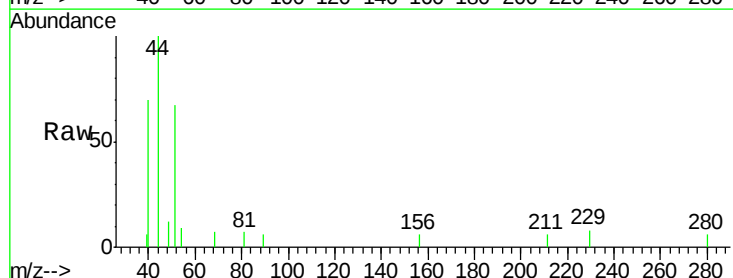
Instrument :
 MSVOA_L
 ClientSampleId :
 SG2DL2

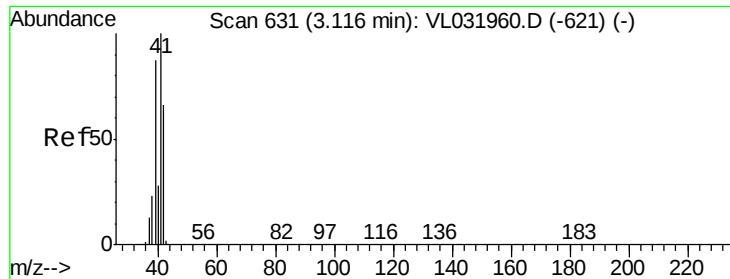
Tgt Ion: 49 Resp: 1243741
 Ion Ratio Lower Upper
 49 100
 128 48.9 24.1 72.3
 130 61.8 30.7 92.1



#3
 Chlorodifluoromethane
 Concen: 0.02 ppbv
 RT: 3.09 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VL031979.D
 Acq: 4 May 2018 2:04

Tgt Ion: 51 Resp: 2724
 Ion Ratio Lower Upper
 51 100
 67 1.7 15.9 23.9#





#9

Propene

Concen: 0.10 ppbv

RT: 3.13 min Scan# 636

Delta R.T. 0.02 min

Lab File: VL031979.D

Acq: 4 May 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

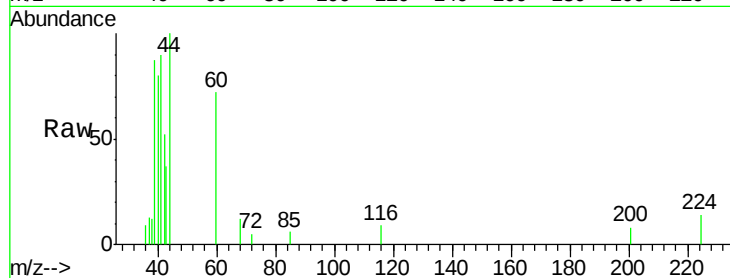
SG2DL2

Tgt Ion: 41 Resp: 4315

Ion Ratio Lower Upper

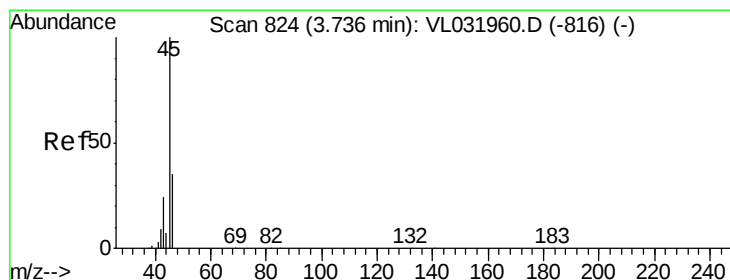
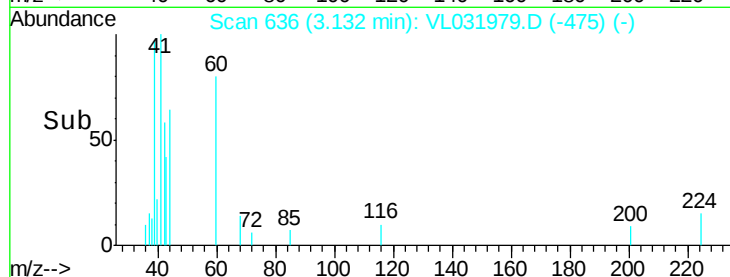
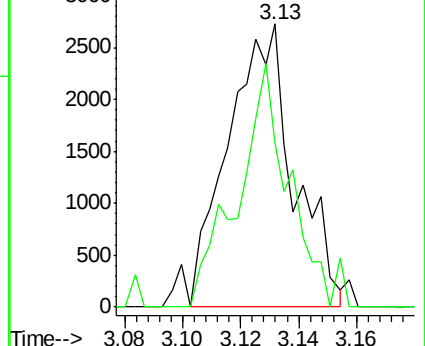
41 100

42 68.0 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.15 ppbv

RT: 3.76 min Scan# 830

Delta R.T. 0.02 min

Lab File: VL031979.D

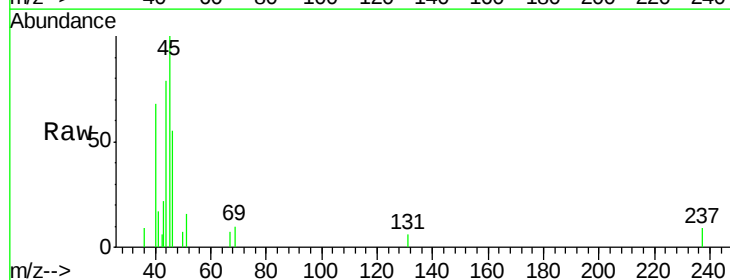
Acq: 4 May 2018 2:04

Tgt Ion: 45 Resp: 2467

Ion Ratio Lower Upper

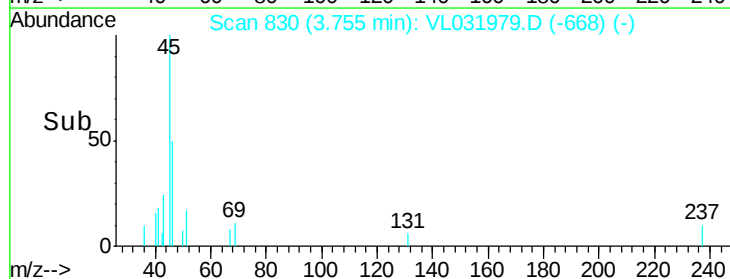
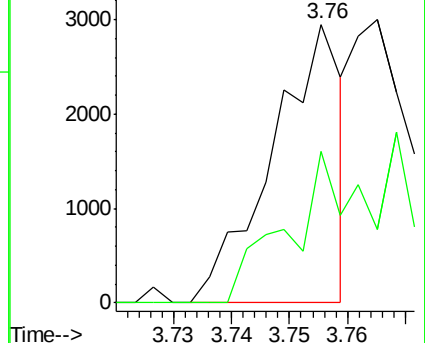
45 100

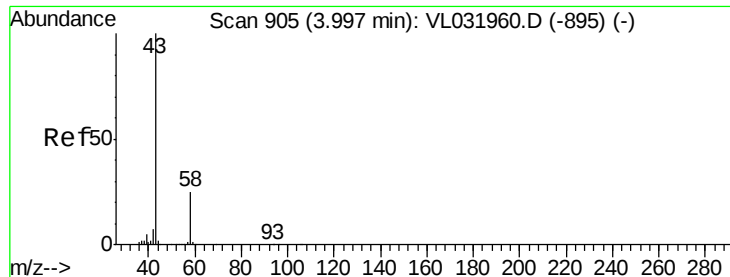
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.20 ppbv

RT: 4.01 min Scan# 910

Delta R.T. 0.02 min

Lab File: VL031979.D

Acq: 4 May 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

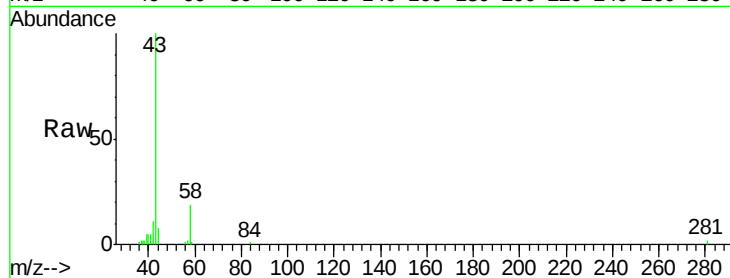
SG2DL2

Tgt Ion: 43 Resp: 35912

Ion Ratio Lower Upper

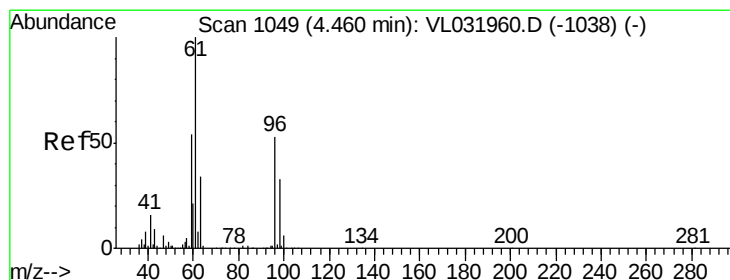
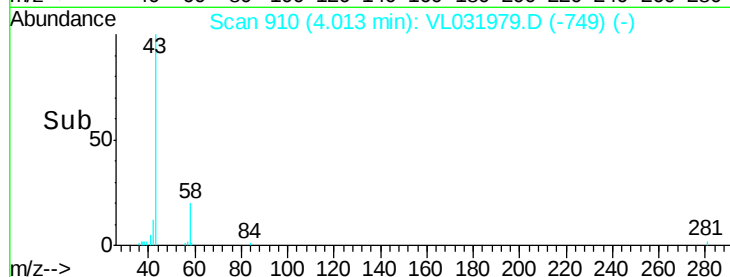
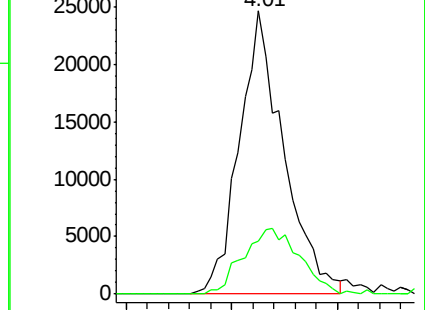
43 100

58 29.8 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 0.02 ppbv

RT: 4.50 min Scan# 1061

Delta R.T. 0.04 min

Lab File: VL031979.D

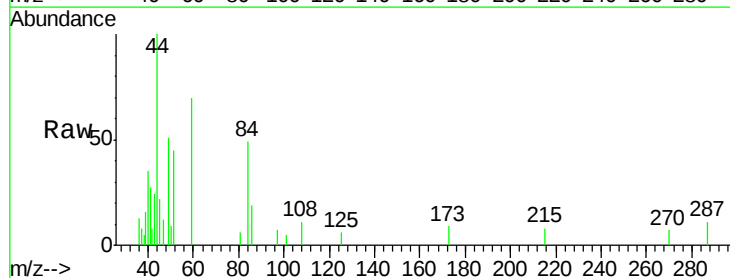
Acq: 4 May 2018 2:04

Tgt Ion: 59 Resp: 1415

Ion Ratio Lower Upper

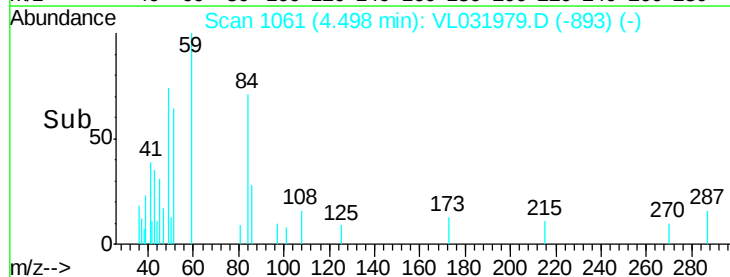
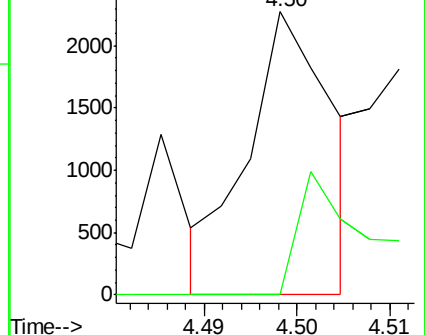
59 100

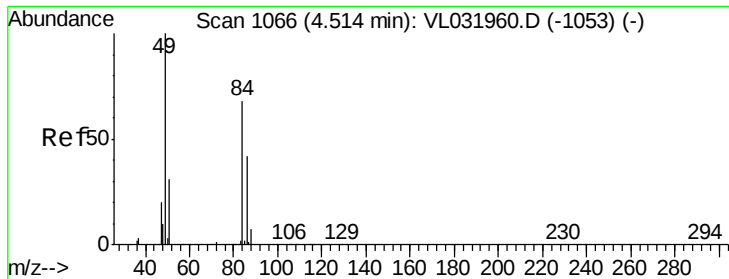
57 55.5 8.3 12.5#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

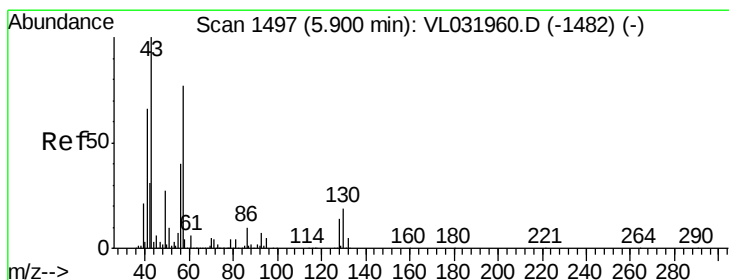
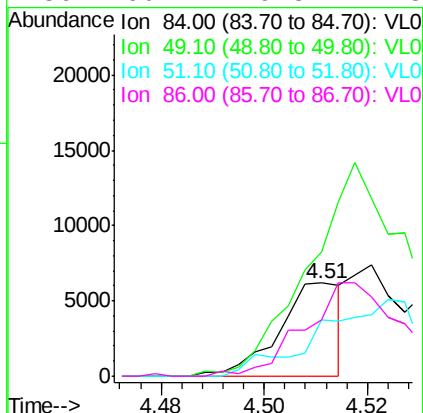
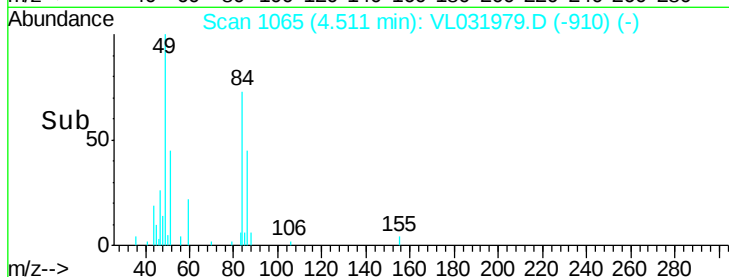
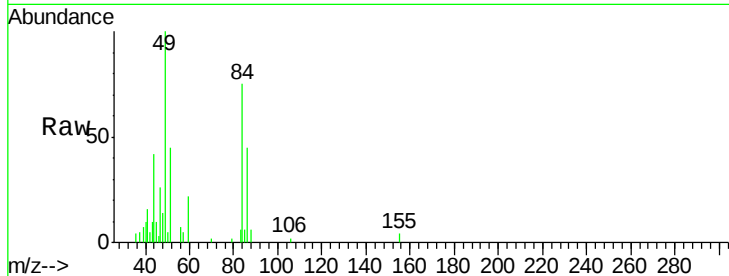




#20
Methylene Chloride
Concen: 0.09 ppbv
RT: 4.51 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VL031979.D
Acq: 4 May 2018 2:04

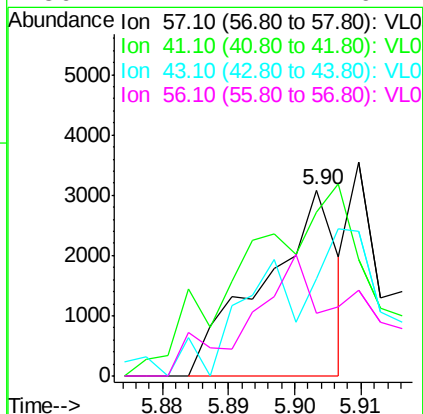
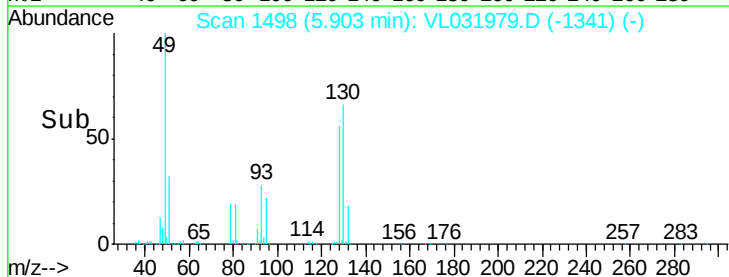
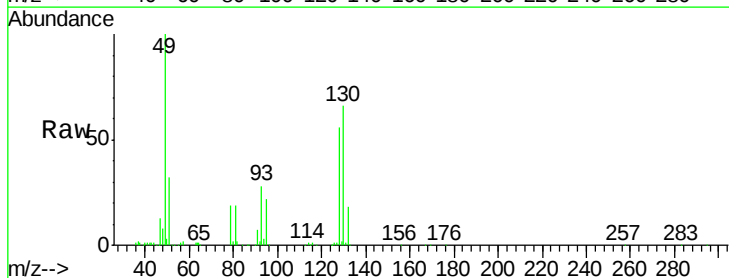
Instrument :
MSVOA_L
ClientSampleId :
SG2DL2

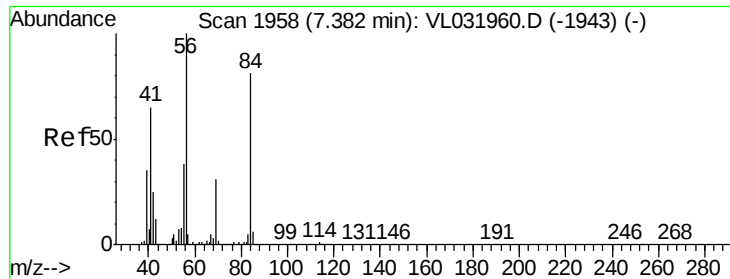
Tgt Ion: 84 Resp: 5248
Ion Ratio Lower Upper
84 100
49 132.6 118.6 178.0
51 60.2 36.6 54.8#
86 60.1 49.8 74.8



#26
Hexane
Concen: 0.02 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL031979.D
Acq: 4 May 2018 2:04

Tgt Ion: 57 Resp: 2368
Ion Ratio Lower Upper
57 100
41 0.0 71.8 107.6#
43 0.0 171.5 257.3#
56 114.4 41.4 62.2#

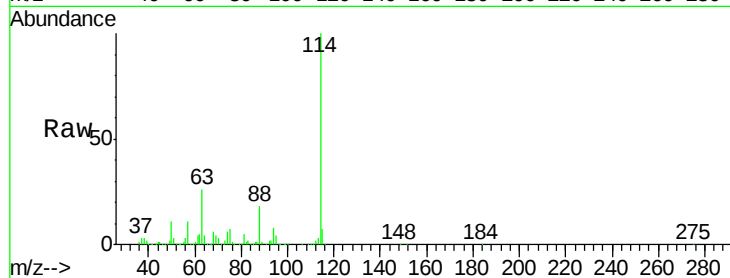




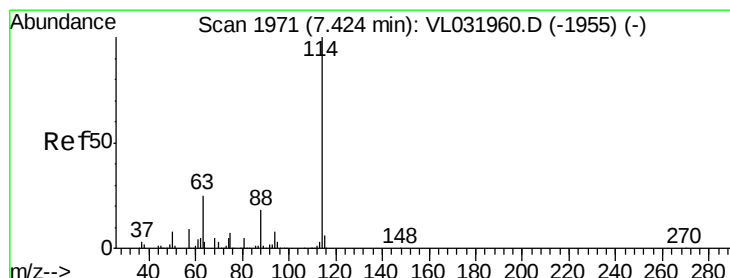
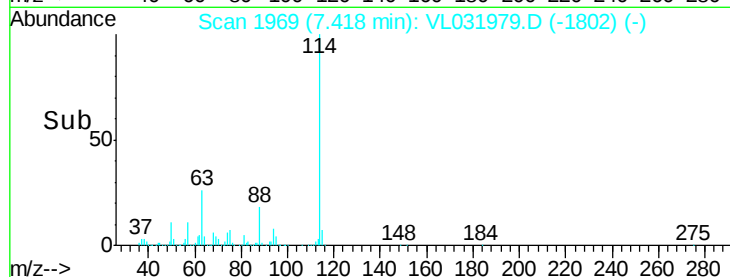
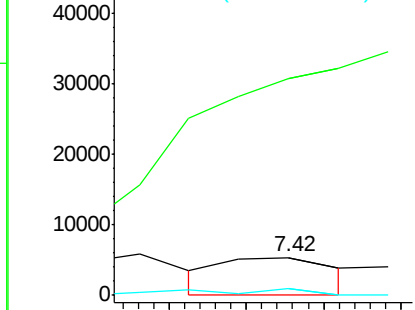
#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.42 min Scan# 1969
Delta R.T. 0.04 min
Lab File: VL031979.D
Acq: 4 May 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
SG2DL2

Tgt Ion: 84 Resp: 2761
Ion Ratio Lower Upper
84 100
56 0.0 108.0 162.0#
41 19.1 66.8 100.2#

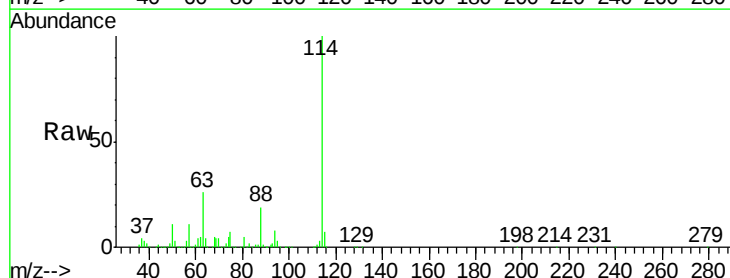


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

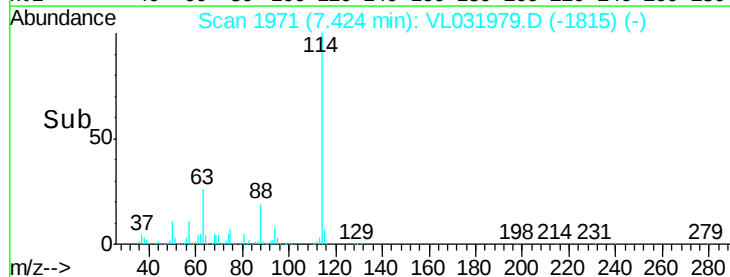
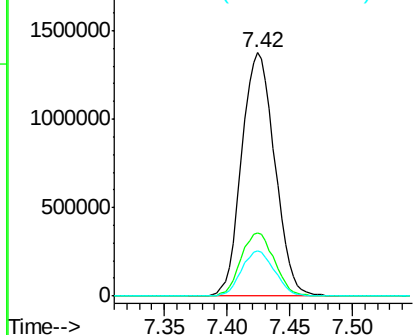


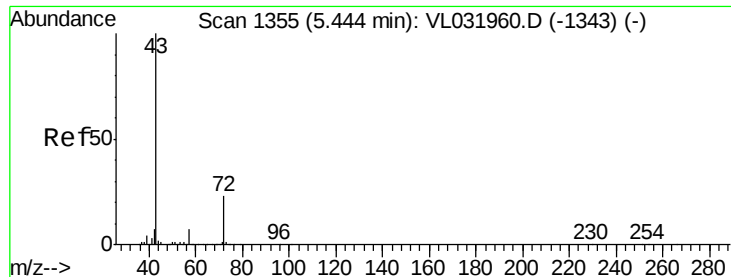
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VL031979.D
Acq: 4 May 2018 2:04

Tgt Ion: 114 Resp: 2526507
Ion Ratio Lower Upper
114 100
63 26.3 20.8 31.2
88 18.6 14.6 21.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

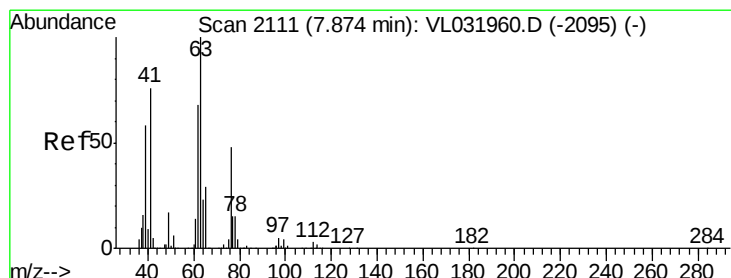
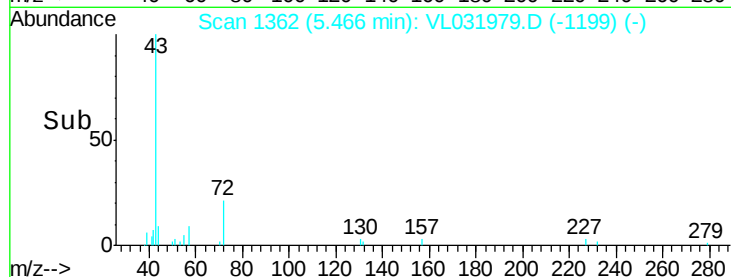
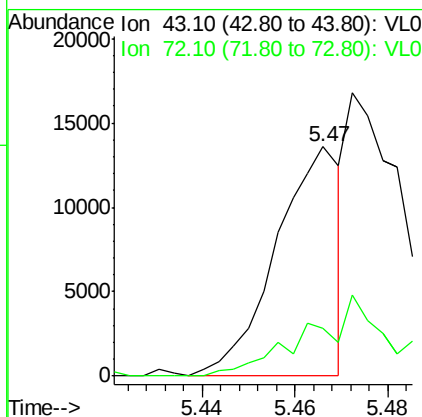
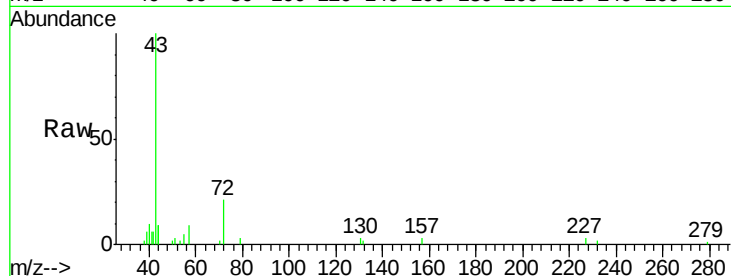




#34
 2-Butanone
 Concen: 0.06 ppbv
 RT: 5.47 min Scan# 1362
 Delta R.T. 0.02 min
 Lab File: VL031979.D
 Acq: 4 May 2018 2:04

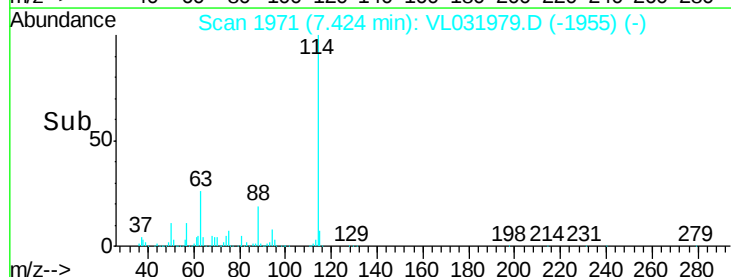
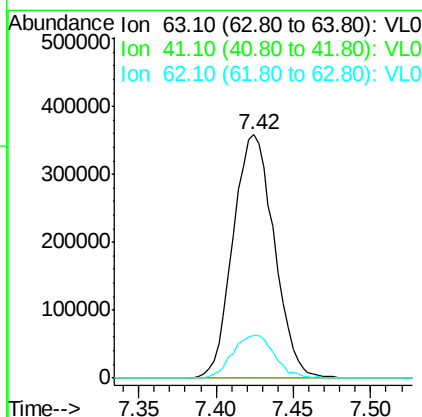
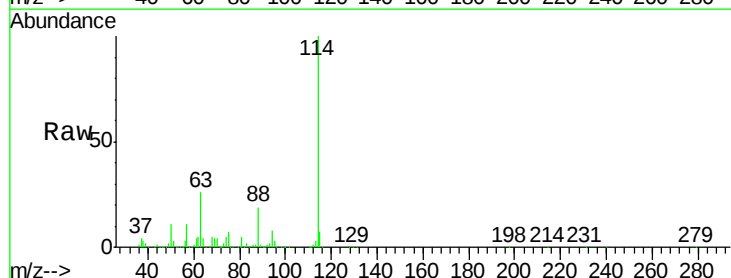
Instrument :
 MSVOA_L
 ClientSampleId :
 SG2DL2

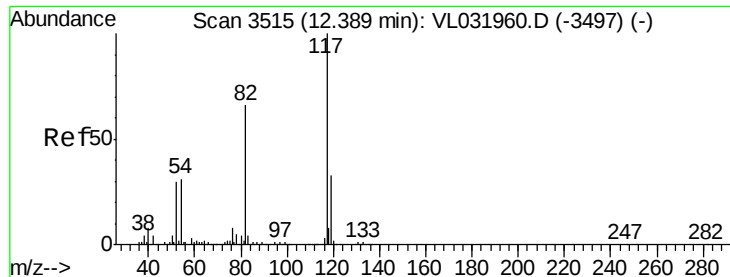
Tgt Ion: 43 Resp: 13132
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.3 27.5#



#39
 1,2-Dichloropropane
 Concen: 7.95 ppbv
 RT: 7.42 min Scan# 1971
 Delta R.T. -0.45 min
 Lab File: VL031979.D
 Acq: 4 May 2018 2:04

Tgt Ion: 63 Resp: 658392
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.7 91.1#
 62 17.3 54.7 82.1#

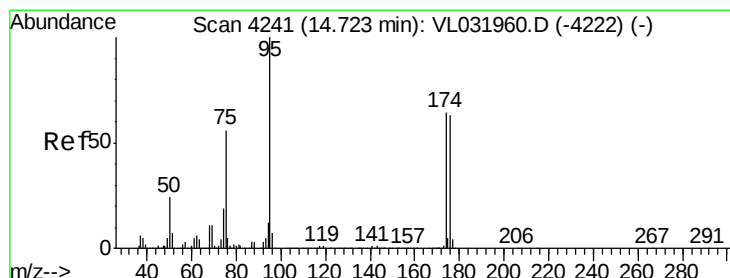
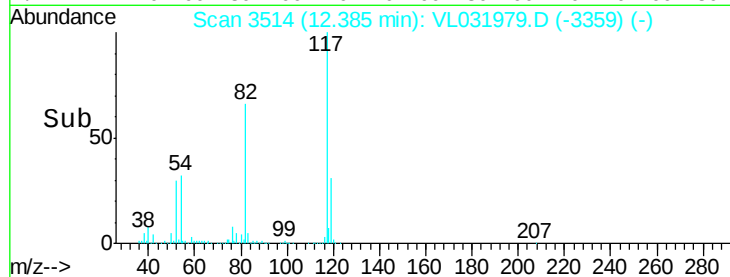
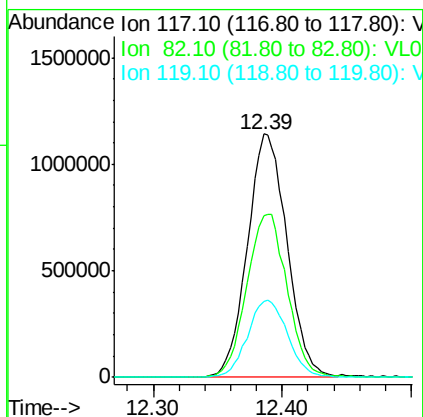
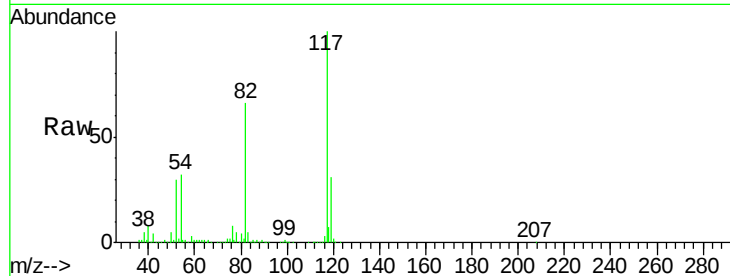




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VL031979.D
Acq: 4 May 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
SG2DL2

Tgt Ion: 117 Resp: 2434218
Ion Ratio Lower Upper
117 100
82 68.9 51.6 77.4
119 32.3 44.2 66.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.28 ppbv
RT: 14.73 min Scan# 4242
Delta R.T. 0.00 min
Lab File: VL031979.D
Acq: 4 May 2018 2:04

Tgt Ion: 95 Resp: 1940525
Ion Ratio Lower Upper
95 100
174 66.1 53.0 79.6
175 4.7 3.9 5.9

