

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035047.D
 Acq On : 19 May 2020 16:59
 Operator : SY/AP
 Sample : L2683-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 04:45:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1120190	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2567270	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2451977	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2061446	10.39	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

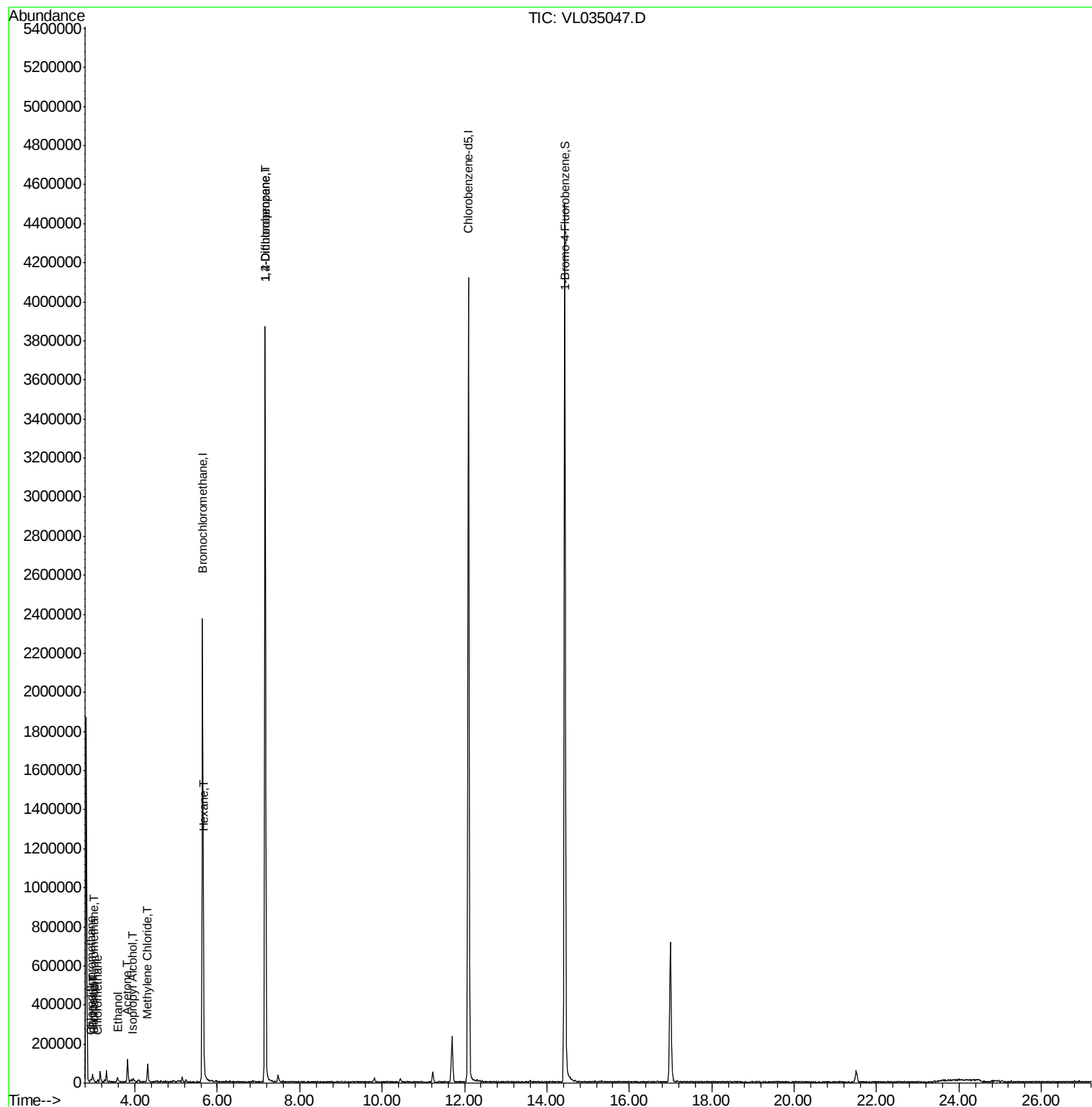
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	10239	0.064	ppbv	99
3) Chlorodifluoromethane	2.93	51	9893	0.077	ppbv #	76
4) Chloromethane	3.10	50	4951	0.068	ppbv #	83
9) Propene	2.97	41	6718	0.121	ppbv #	79
13) Ethanol	3.56	45	7491	0.409	ppbv #	39
15) Acetone	3.82	43	115950	0.783	ppbv	94
19) Isopropyl Alcohol	3.95	45	4237	0.043	ppbv #	94
20) Methylene Chloride	4.31	84	26299	0.536	ppbv #	72
26) Hexane	5.67	57	5780	0.054	ppbv #	49
39) 1,2-Dichloropropane	7.16	63	707787	8.342	ppbv #	25

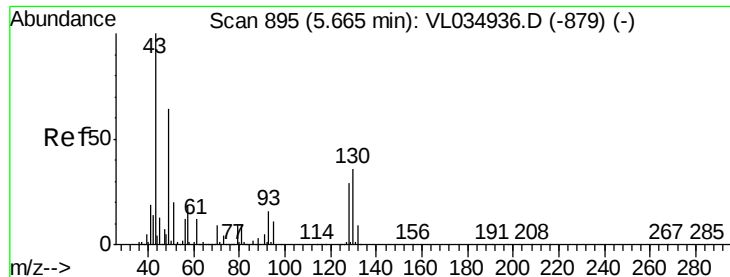
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035047.D

Acq: 19 May 2020 16:59

Instrument :

MSVOA_L

ClientSampleId :

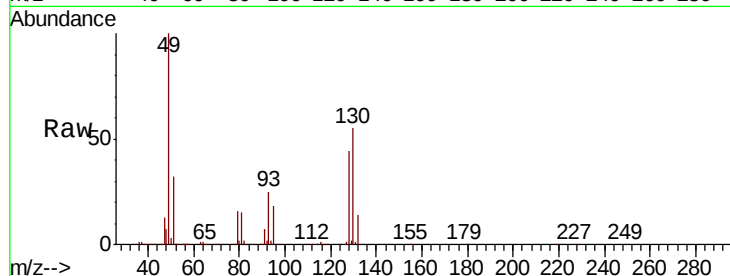
Tot Ion: 49 Resp: 1120190

Ion Ratio Lower Upper

49 100

128 45.9 22.1 66.5

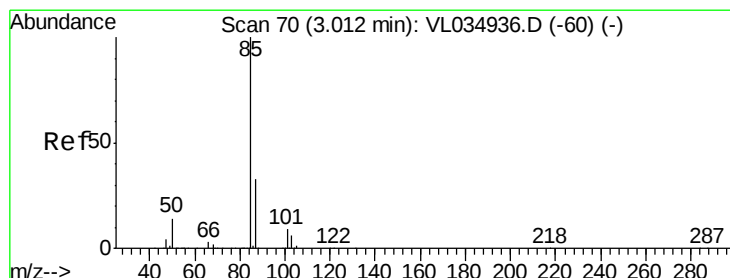
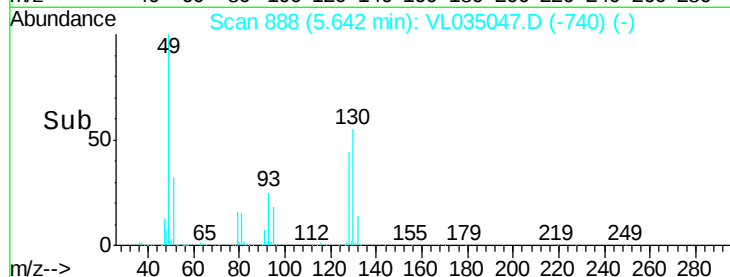
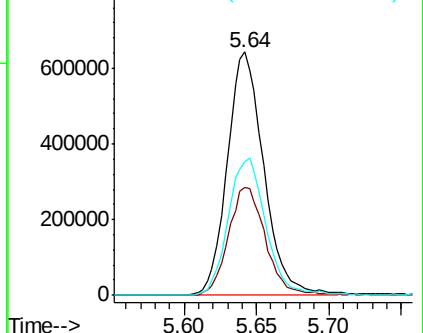
130 58.6 29.1 87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.064 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL035047.D

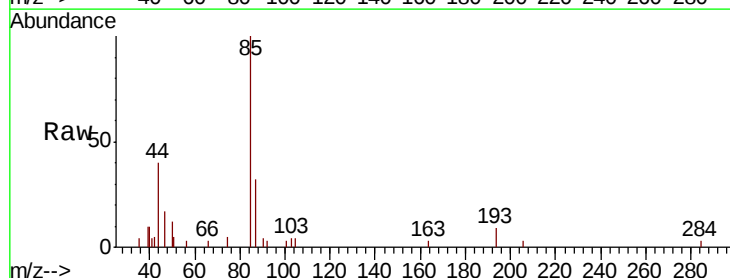
Acq: 19 May 2020 16:59

Tgt Ion: 85 Resp: 10239

Ion Ratio Lower Upper

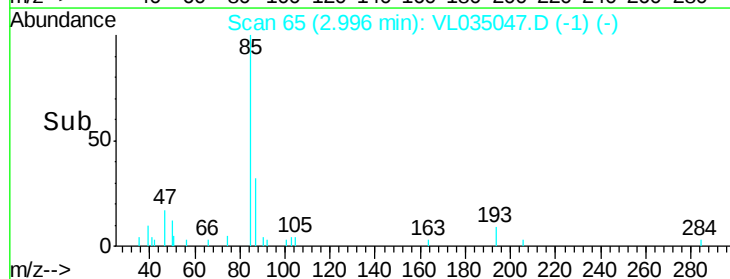
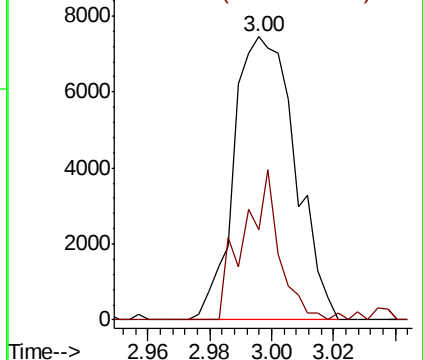
85 100

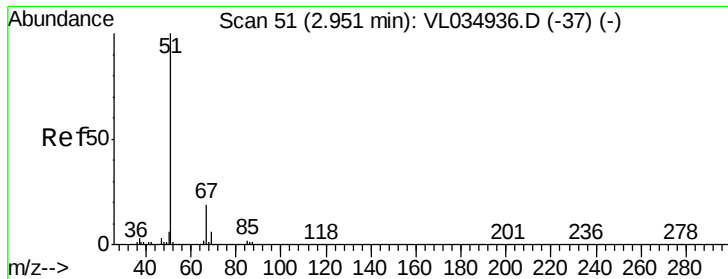
87 32.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.077 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035047.D

Acq: 19 May 2020 16:59

Instrument :

MSVOA_L

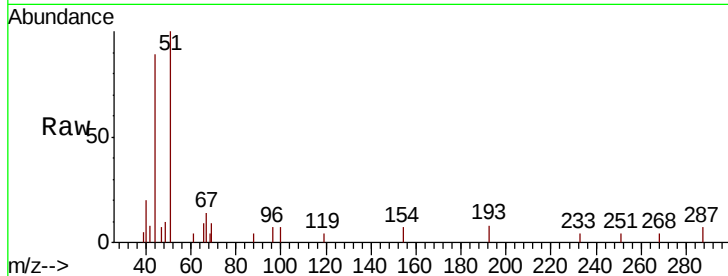
ClientSampleId :

Tot Ion: 51 Resp: 9893

Ion Ratio Lower Upper

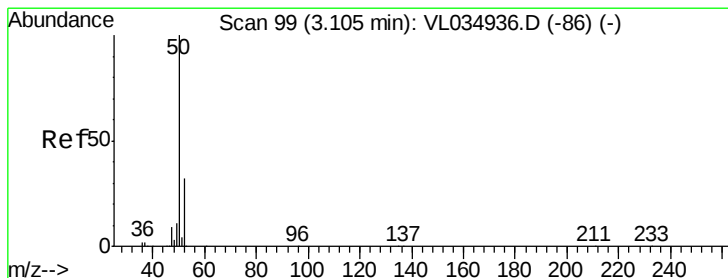
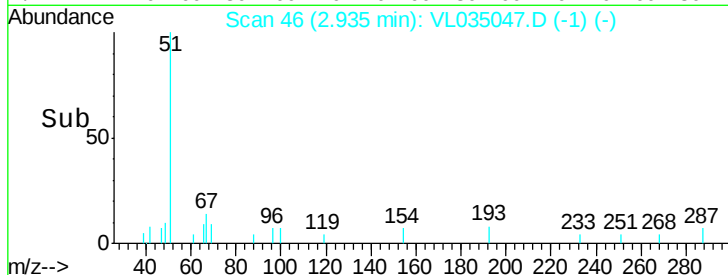
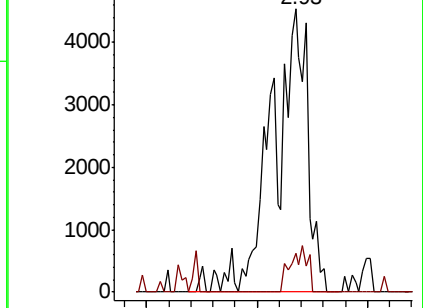
51 100

67 8.0 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.068 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL035047.D

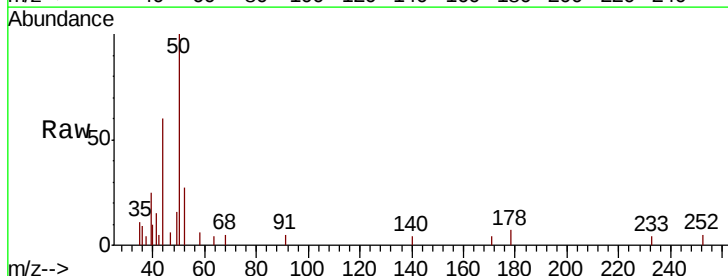
Acq: 19 May 2020 16:59

Tgt Ion: 50 Resp: 4951

Ion Ratio Lower Upper

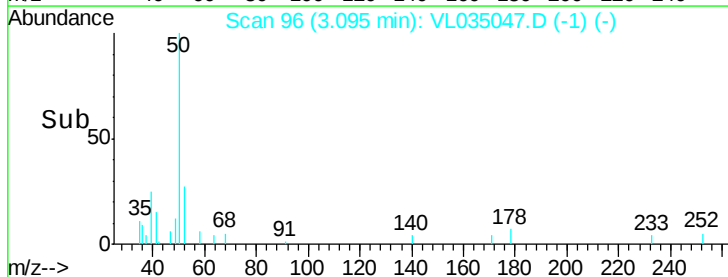
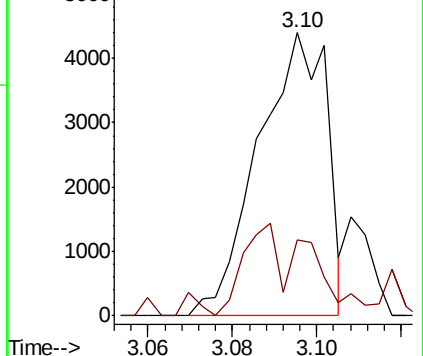
50 100

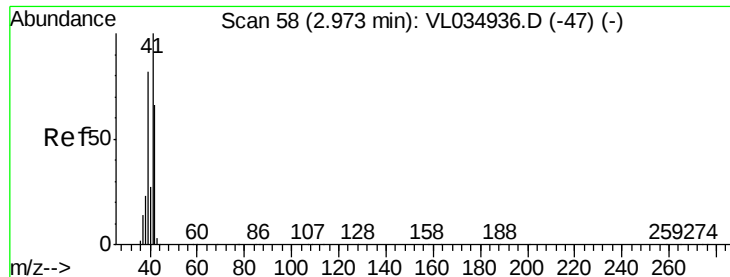
52 22.3 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.121 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL035047.D

Acq: 19 May 2020 16:59

Instrument :

MSVOA_L

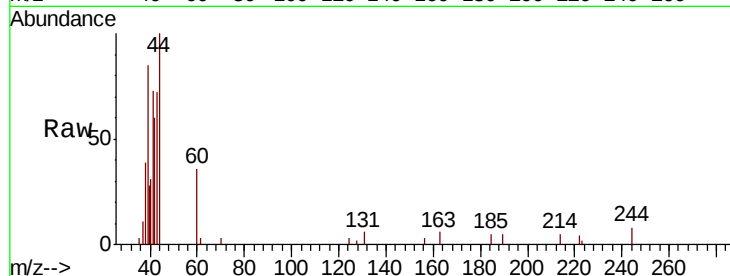
ClientSampled :

Tot Ion: 41 Resp: 6718

Ion Ratio Lower Upper

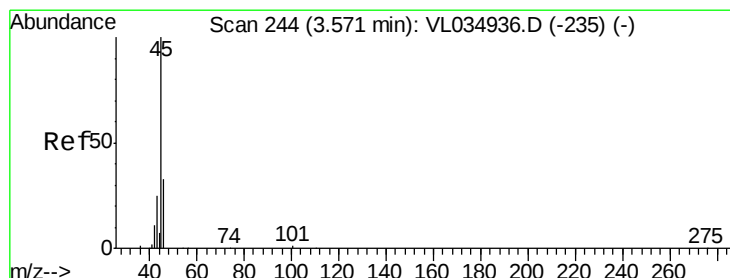
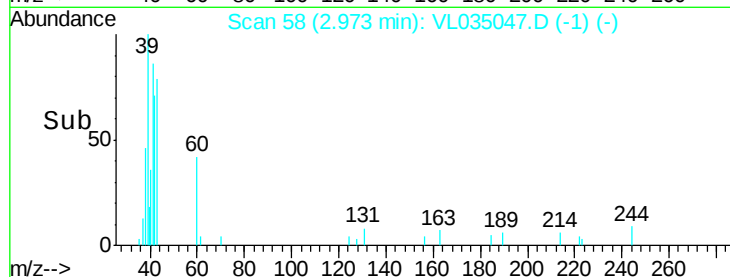
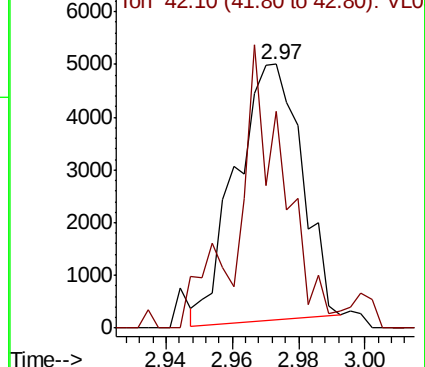
41 100

42 85.3 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.409 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL035047.D

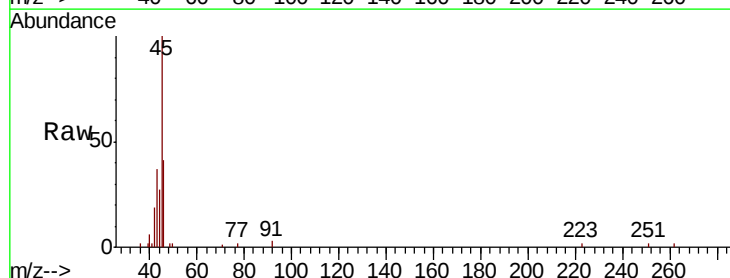
Acq: 19 May 2020 16:59

Tgt Ion: 45 Resp: 7491

Ion Ratio Lower Upper

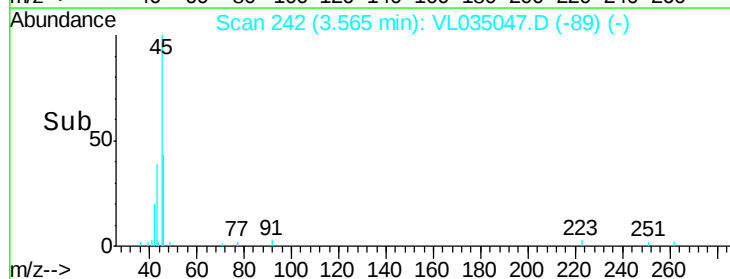
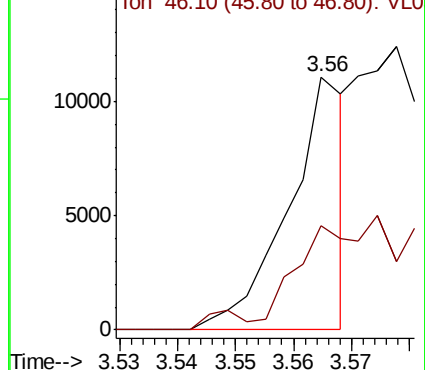
45 100

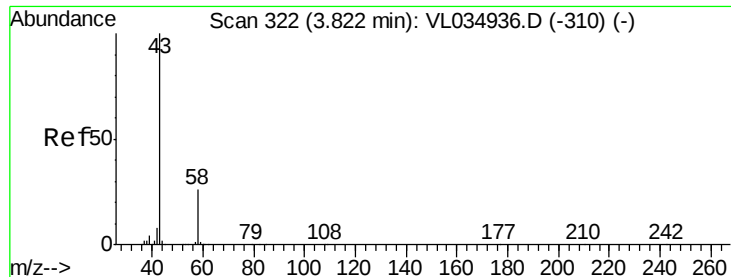
46 0.0 14.3 57.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.783 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035047.D

Acq: 19 May 2020 16:59

Instrument :

MSVOA_L

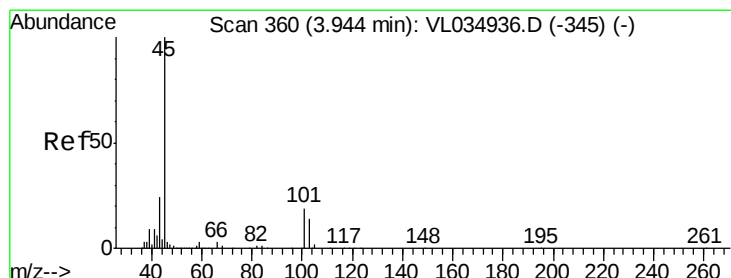
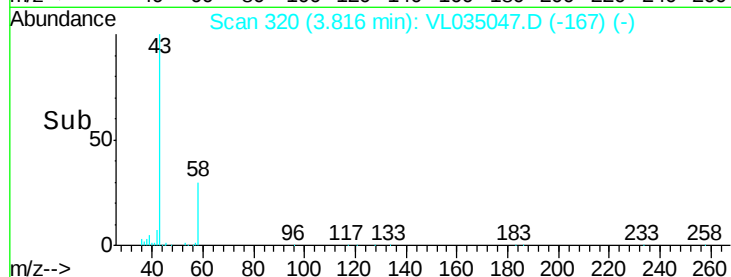
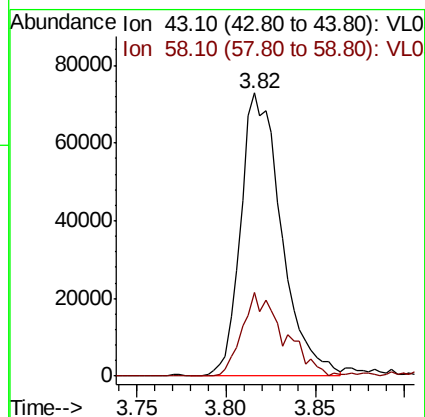
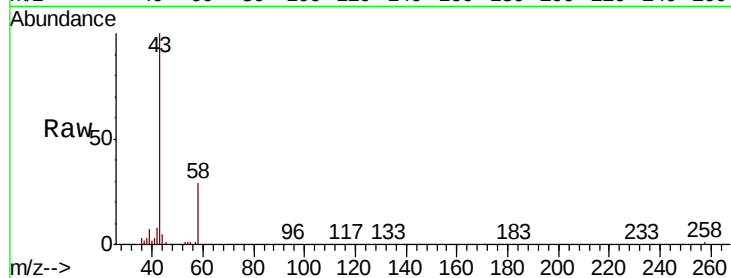
ClientSampleId :

Tot Ion: 43 Resp: 115950

Ion Ratio Lower Upper

43 100

58 30.3 21.7 32.5



#19

Isopropyl Alcohol

Concen: 0.043 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL035047.D

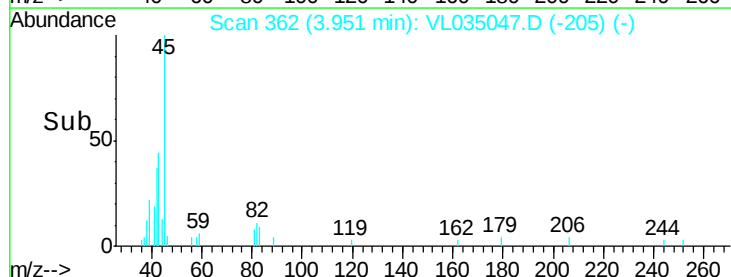
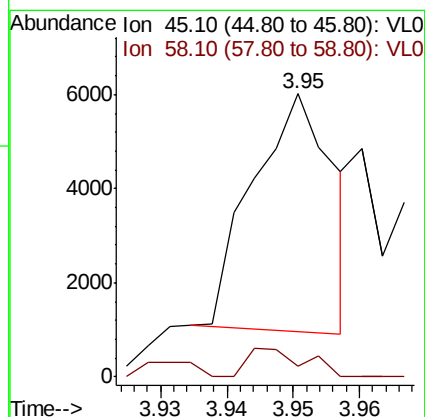
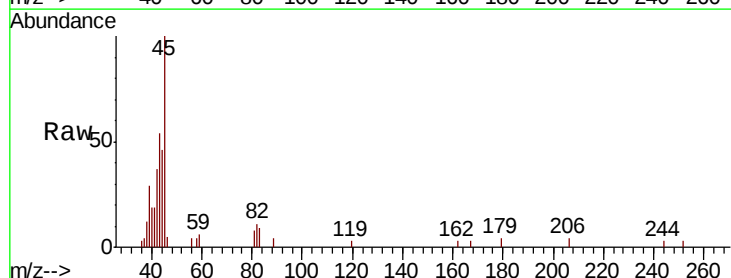
Acq: 19 May 2020 16:59

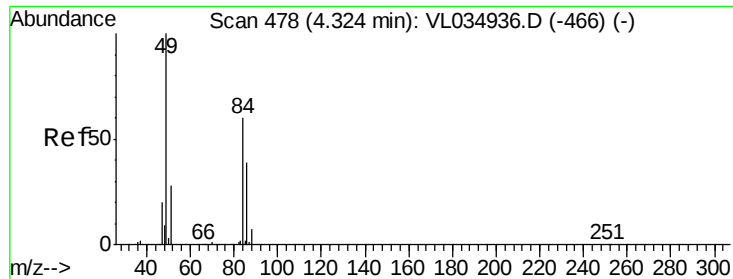
Tgt Ion: 45 Resp: 4237

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#

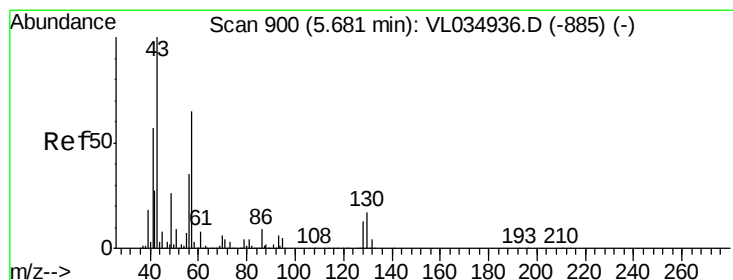
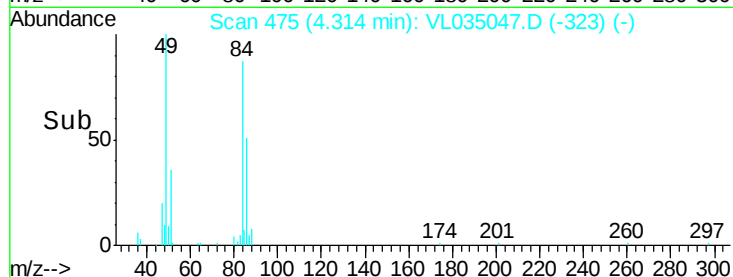
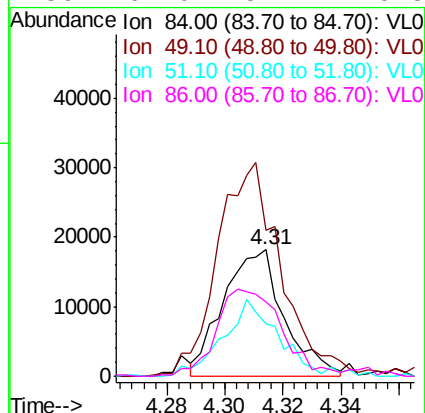
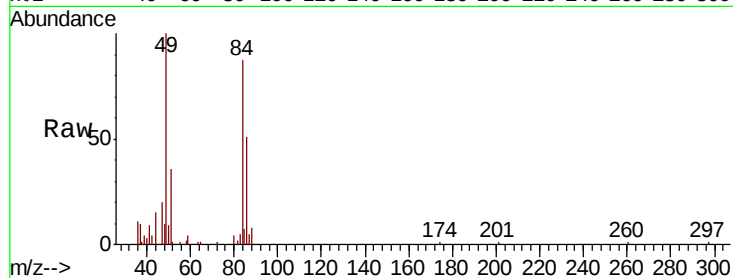




#20
Methvlene Chloride
Concen: 0.536 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL035047.D
Acq: 19 May 2020 16:59

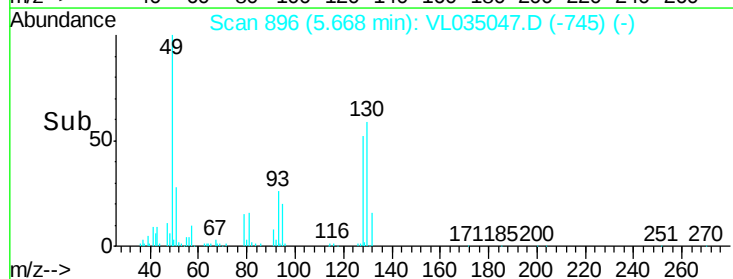
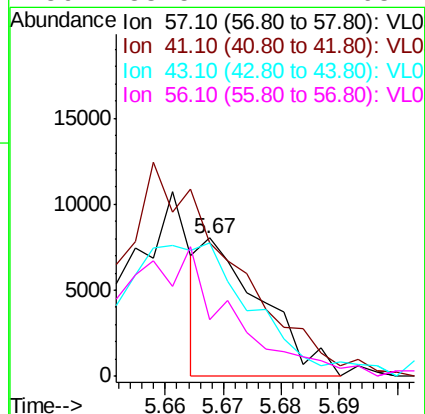
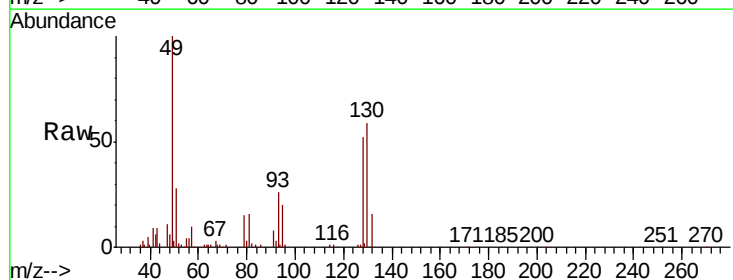
Instrument :
MSVOA_L
ClientSampleId :

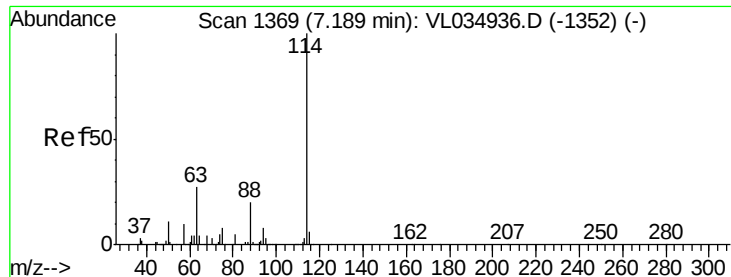
Tot Ion: 84 Resp: 26299
Ion Ratio Lower Upper
84 100
49 107.6 132.5 198.7#
51 40.7 38.4 57.6
86 64.0 51.2 76.8



#26
Hexane
Concen: 0.054 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035047.D
Acq: 19 May 2020 16:59

Tgt Ion: 57 Resp: 5780
Ion Ratio Lower Upper
57 100
41 0.0 72.7 109.1#
43 224.5 182.1 273.1
56 183.5 42.2 63.2#

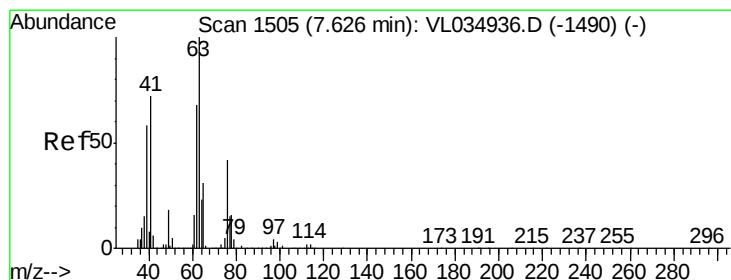
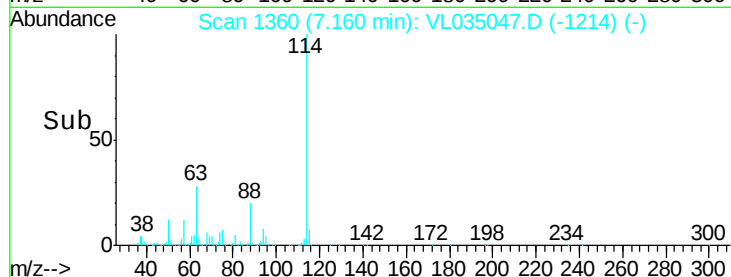
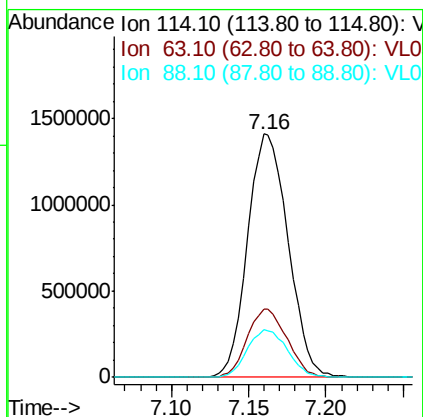
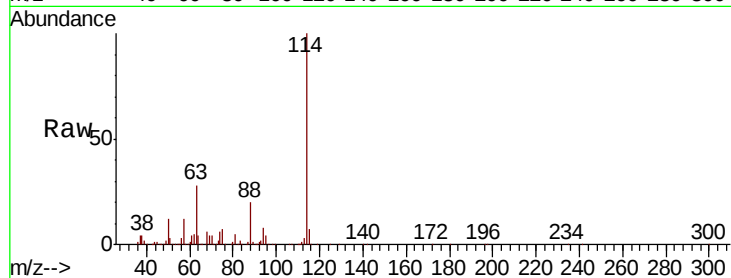




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL035047.D
 Acq: 19 May 2020 16:59

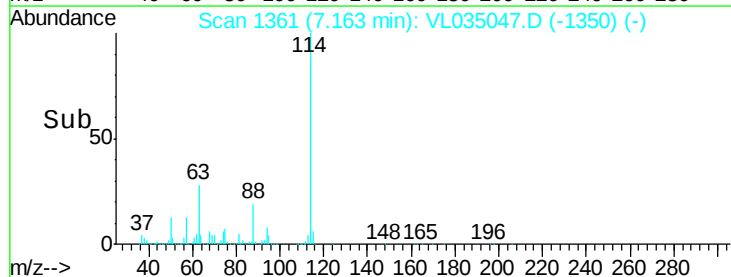
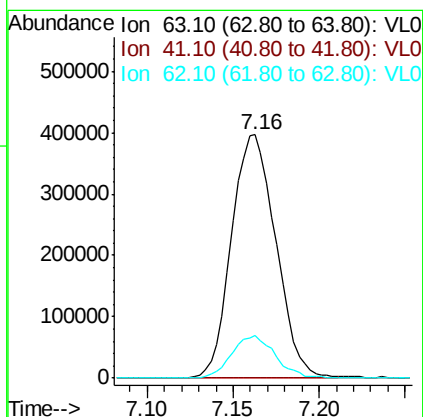
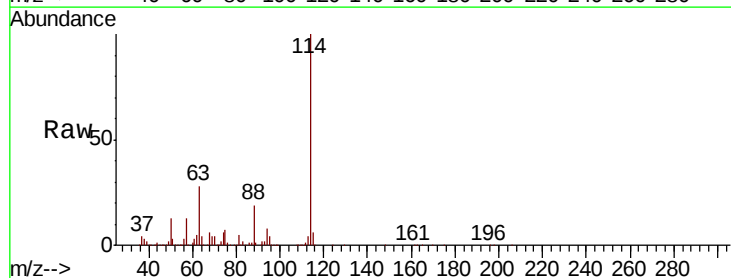
Instrument :
 MSVOA_L
 ClientSampleId :

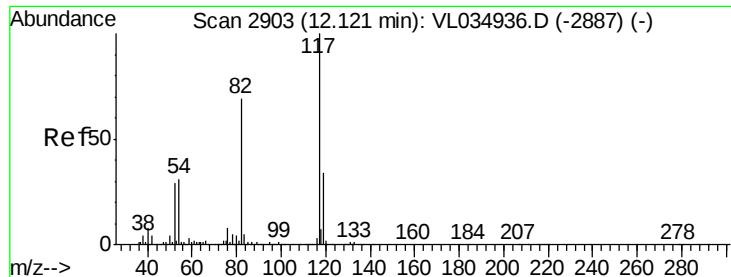
Tot Ion:114 Resp: 2567270
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.2 33.4
 88 19.4 15.5 23.3



#39
 1,2-Dichloropropane
 Concen: 8.342 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL035047.D
 Acq: 19 May 2020 16:59

Tgt Ion: 63 Resp: 707787
 Ion Ratio Lower Upper
 63 100
 41 0.1 57.8 86.8#
 62 17.4 54.2 81.2#

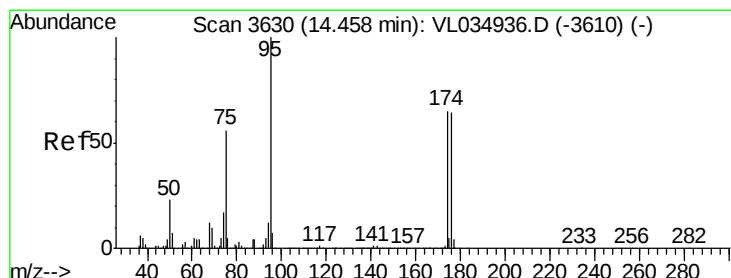
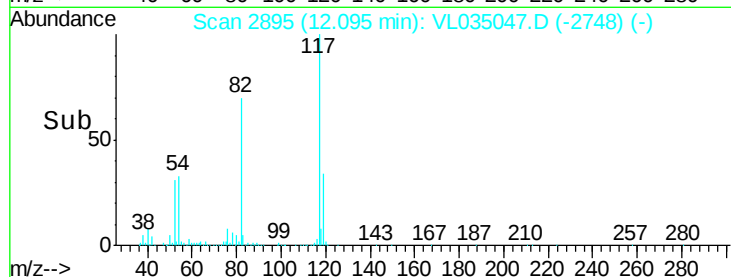
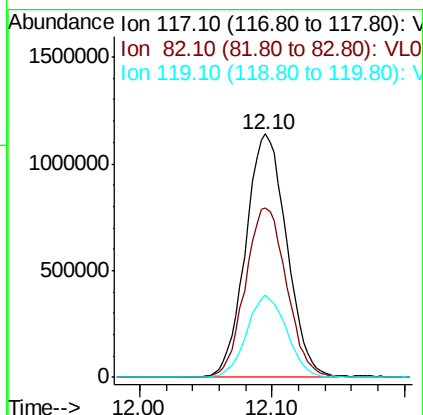
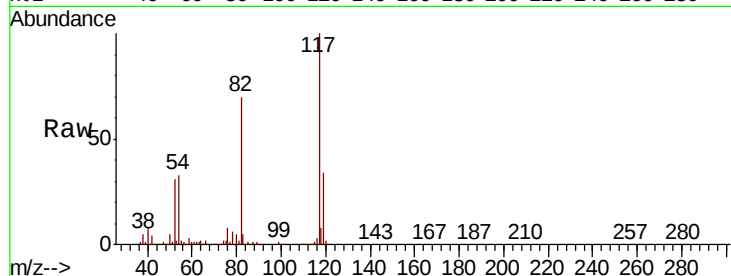




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035047.D
Acq: 19 May 2020 16:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2451977
Ion Ratio Lower Upper
117 100
82 70.1 53.1 79.7
119 33.1 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.387 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.03 min
Lab File: VL035047.D
Acq: 19 May 2020 16:59

Tgt Ion: 95 Resp: 2061446
Ion Ratio Lower Upper
95 100
174 65.0 51.5 77.3
175 4.8 3.8 5.8

