

Data File : VL032603.D
Acq On : 11 Oct 2018 14:01
Operator : SY/AP
Sample : J5316-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Quant Time: Oct 12 01:53:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1422661	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3221092	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3431719	10.00	ppbv	-0.03

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.61 95 2520028 9.74 ppbv -0.03
Spiked Amount 10.000 Range 65 - 135 Recovery = 97.40%

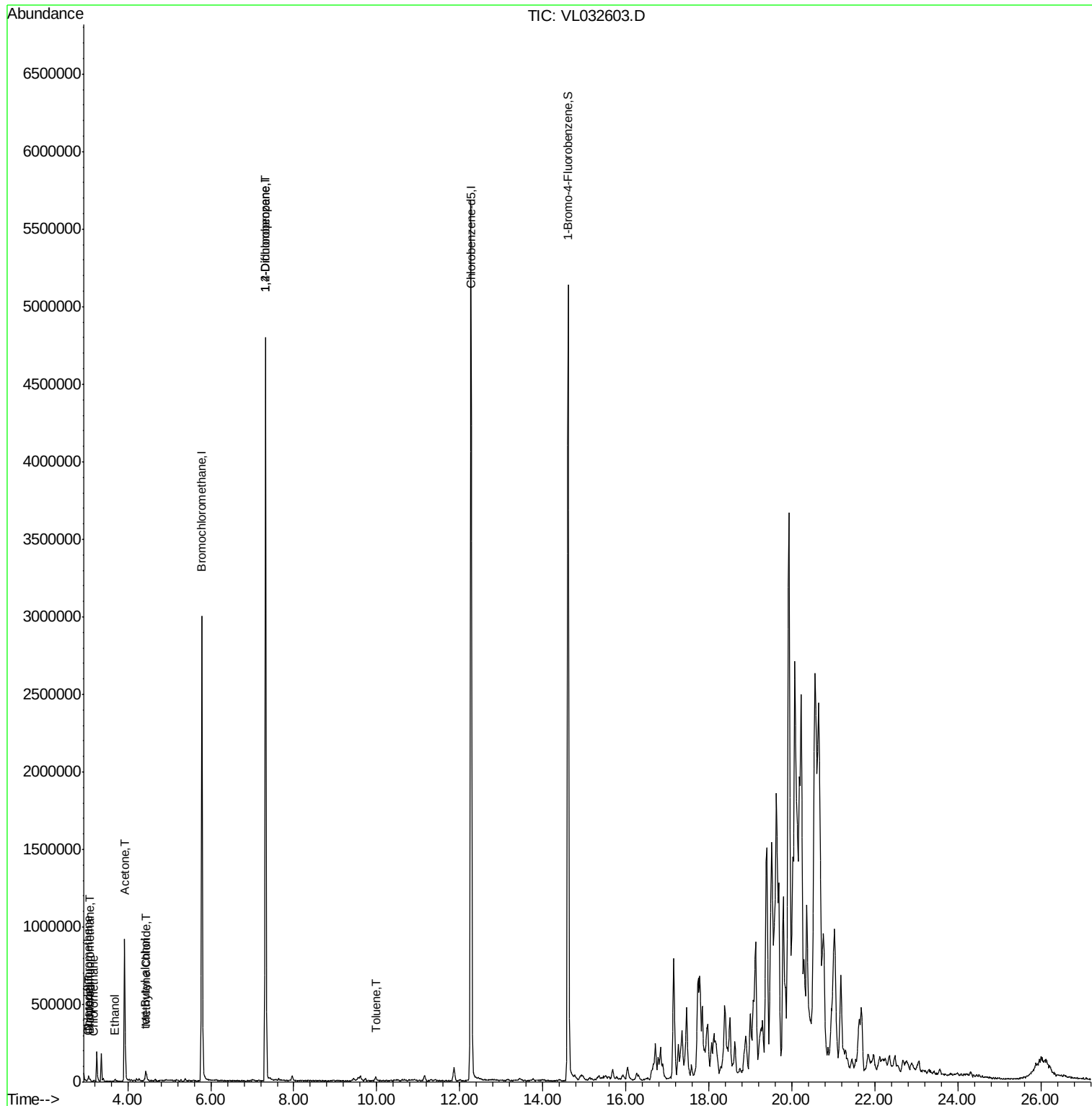
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	4410	0.034	ppbv	94
3) Chlorodifluoromethane	3.03	51	6058	0.051	ppbv #	85
4) Chloromethane	3.18	50	2471	0.036	ppbv #	76
9) Propene	3.05	41	3819	0.074	ppbv #	1
13) Ethanol	3.68	45	2480	0.161	ppbv #	39
15) Acetone	3.92	43	956664	7.661	ppbv	99
17) tert-Butyl alcohol	4.41	59	1225	0.078	ppbv #	100
20) Methylene Chloride	4.44	84	9292	0.154	ppbv #	92
39) 1,2-Dichloropropane	7.32	63	871676	7.431	ppbv #	24
53) Toluene	9.98	91	12930	0.041	ppbv #	72

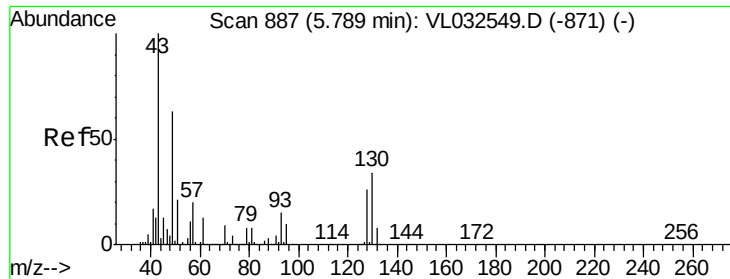
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

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SV-2DL

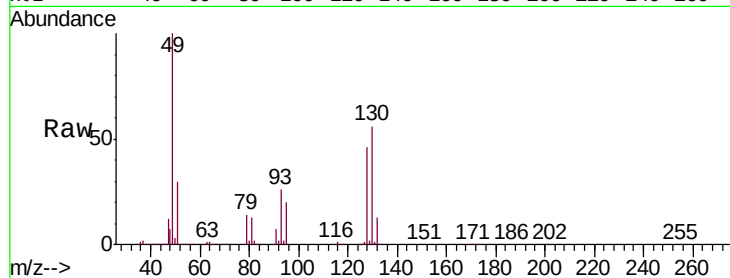
Tgt Ion: 49 Resp: 1422661

Ion Ratio Lower Upper

49 100

128 45.2 20.7 62.1

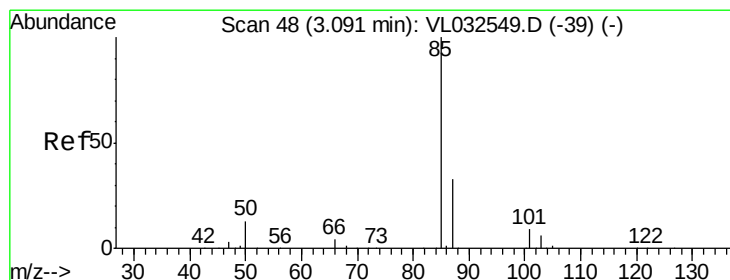
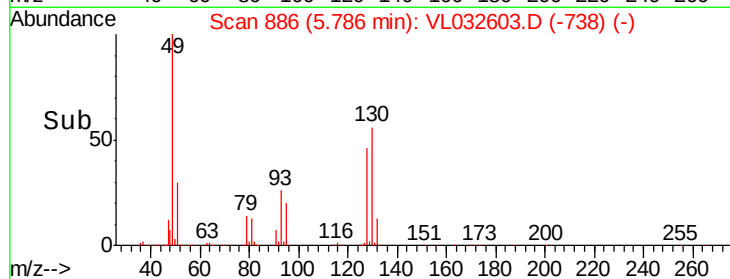
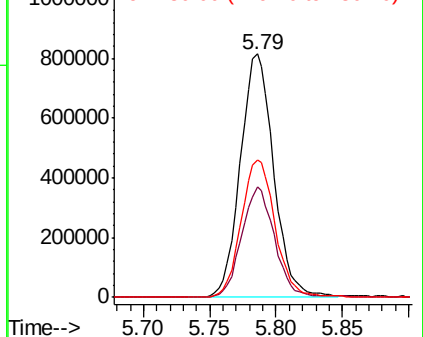
130 58.3 26.6 79.7



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: 0.034 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL032603.D

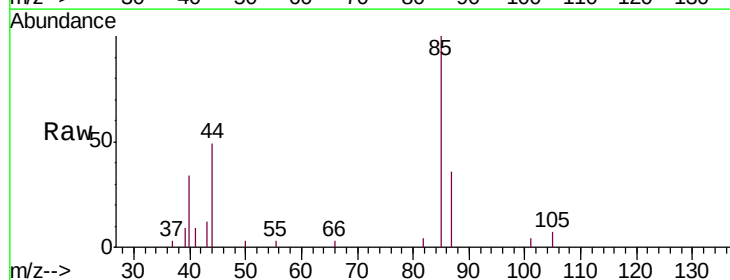
Acq: 11 Oct 2018 14:01

Tgt Ion: 85 Resp: 4410

Ion Ratio Lower Upper

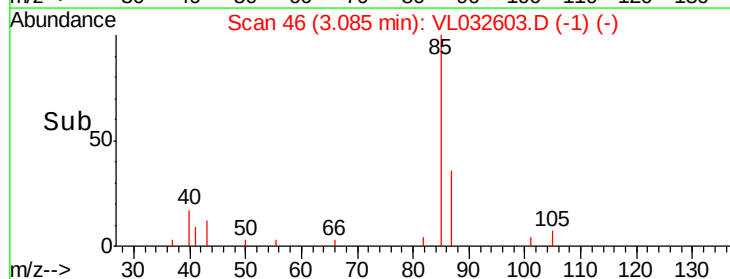
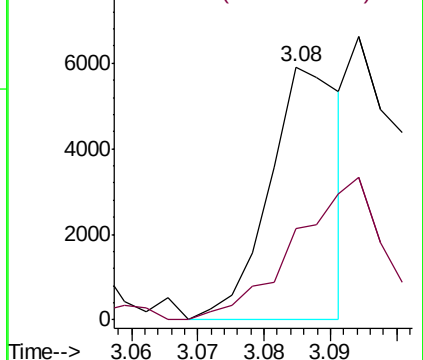
85 100

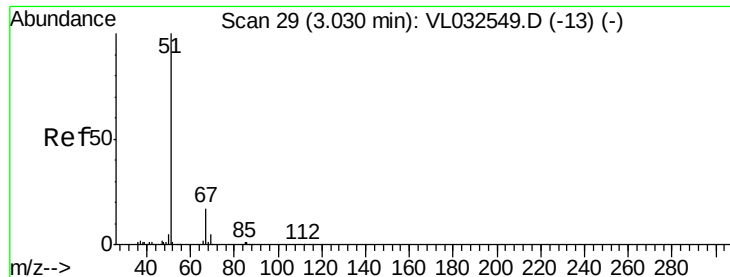
87 36.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.051 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.02 min

Lab File: VL032603.D

Acq: 11 Oct 2018 14:01

Instrument :

MSVOA_L

ClientSampleId :

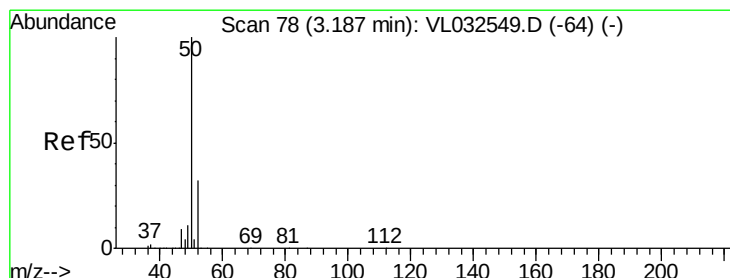
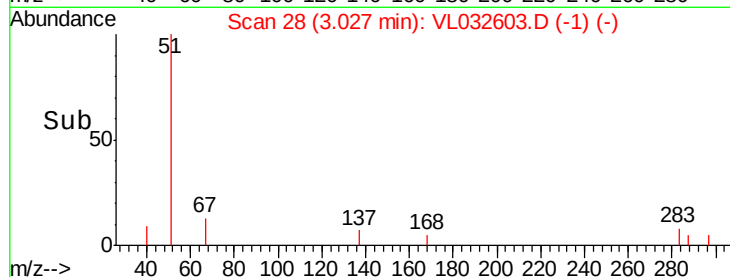
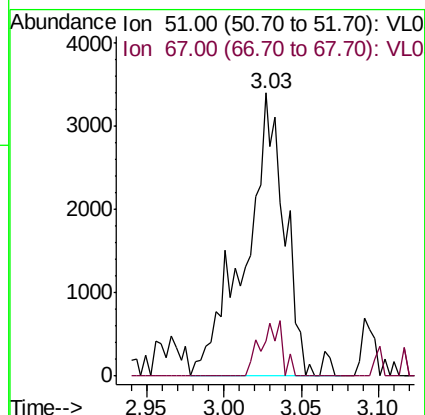
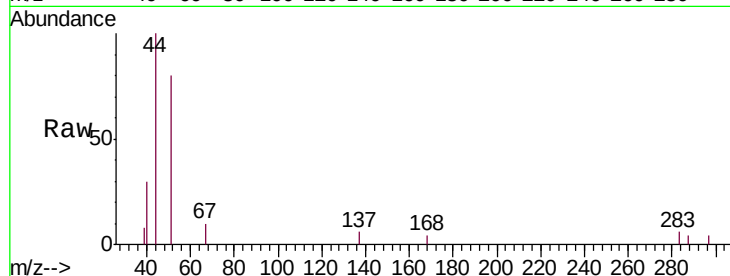
SV-2DL

Tgt Ion: 51 Resp: 6058

Ion Ratio Lower Upper

51 100

67 10.6 13.8 20.8#



#4

Chloromethane

Concen: 0.036 ppbv

RT: 3.18 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL032603.D

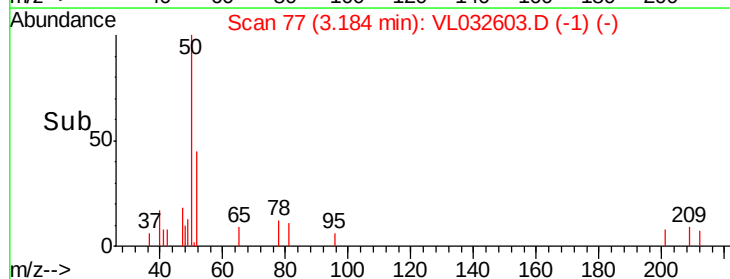
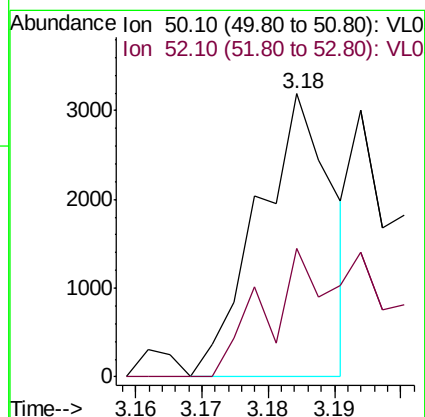
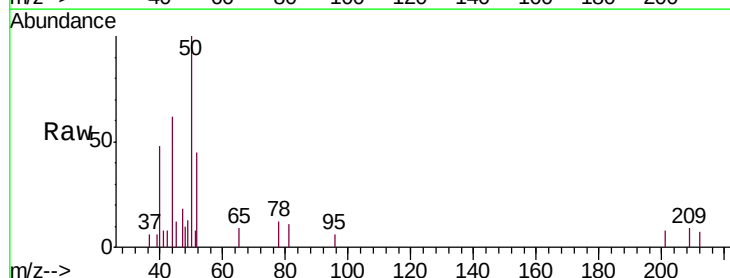
Acq: 11 Oct 2018 14:01

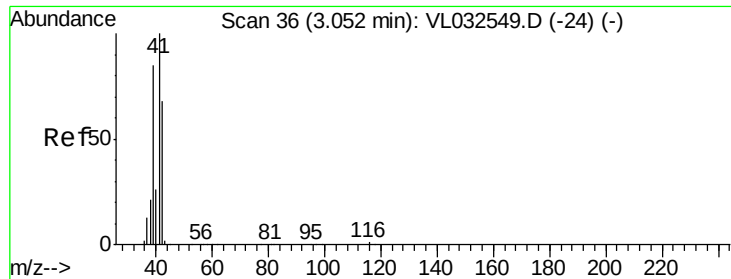
Tgt Ion: 50 Resp: 2471

Ion Ratio Lower Upper

50 100

52 45.4 25.6 38.4#





#9

Propene

Concen: 0.074 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032603.D

Acq: 11 Oct 2018 14:01

Instrument :

MSVOA_L

ClientSampleId :

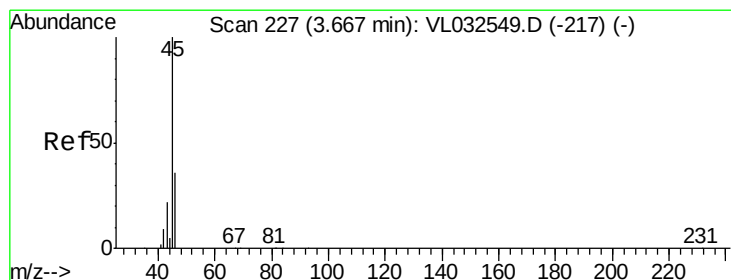
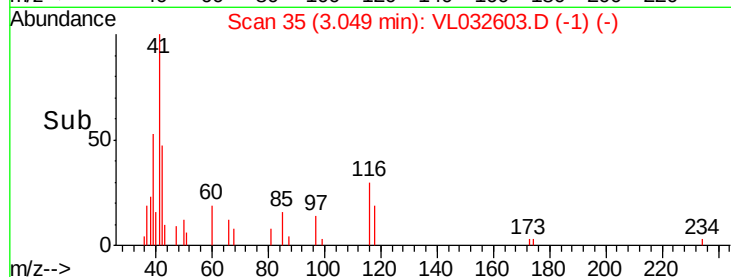
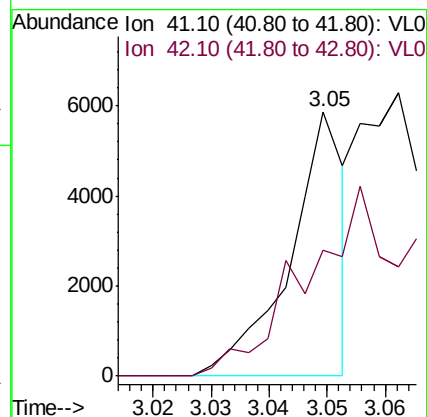
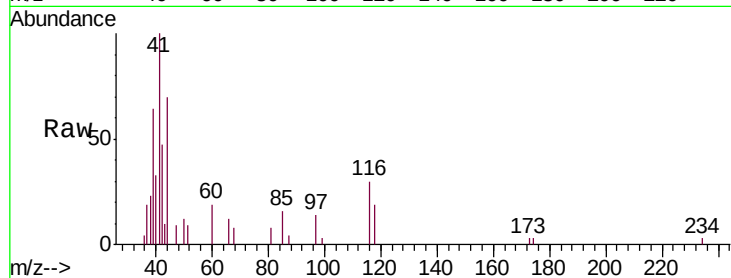
SV-2DL

Tgt Ion: 41 Resp: 3819

Ion Ratio Lower Upper

41 100

42 163.4 56.6 84.8#



#13

Ethanol

Concen: 0.161 ppbv

RT: 3.68 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL032603.D

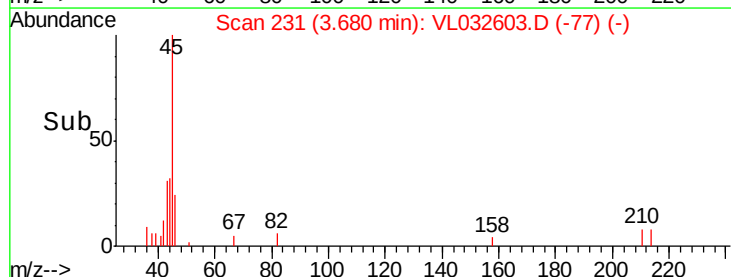
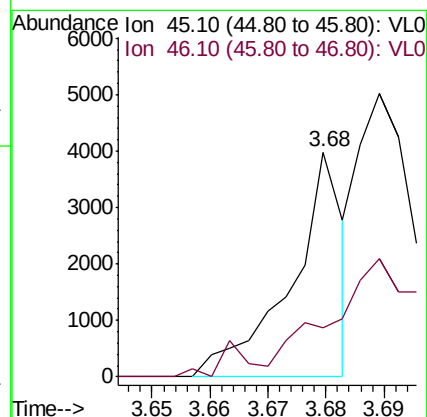
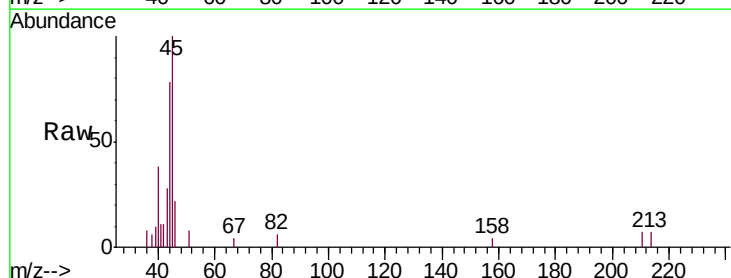
Acq: 11 Oct 2018 14:01

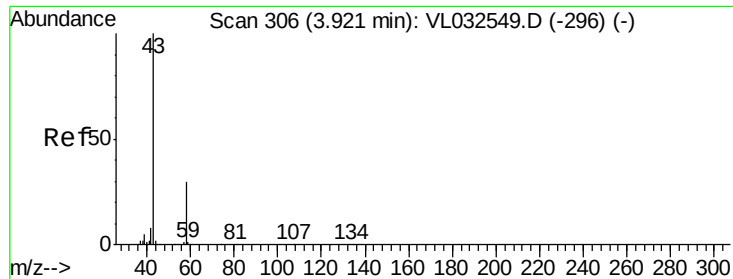
Tgt Ion: 45 Resp: 2480

Ion Ratio Lower Upper

45 100

46 0.0 14.2 56.8#





#15

Acetone

Concen: 7.661 ppbv

RT: 3.92 min Scan# 307

Delta R.T. -0.01 min

Lab File: VL032603.D

Acq: 11 Oct 2018 14:01

Instrument :

MSVOA_L

ClientSampleId :

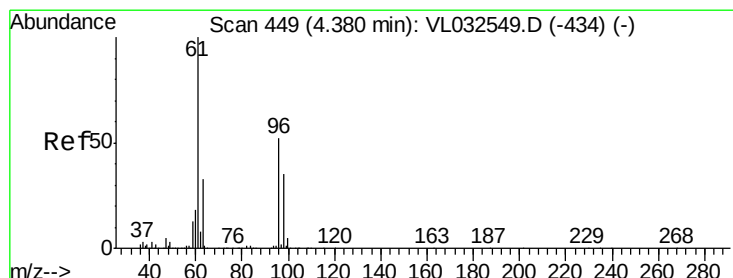
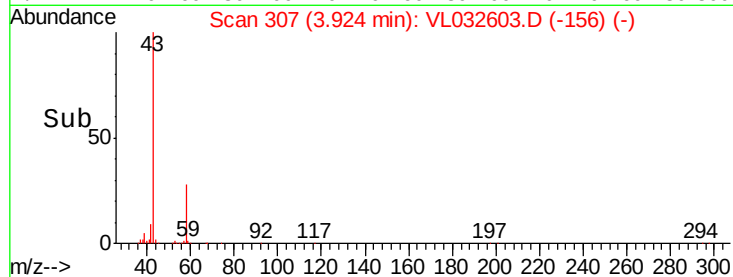
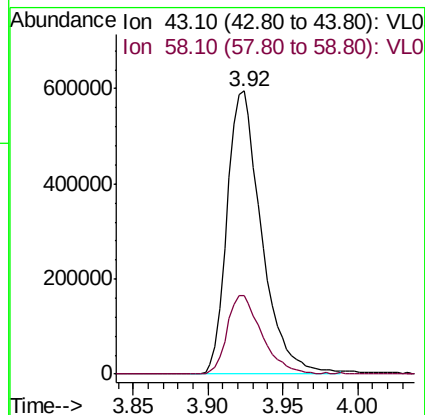
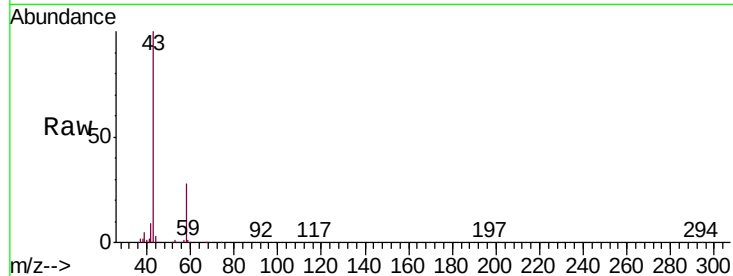
SV-2DL

Tgt Ion: 43 Resp: 956664

Ion Ratio Lower Upper

43 100

58 28.5 22.6 33.8



#17

tert-Butyl alcohol

Concen: 0.078 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL032603.D

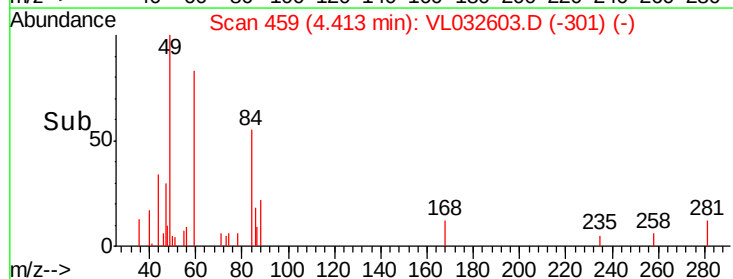
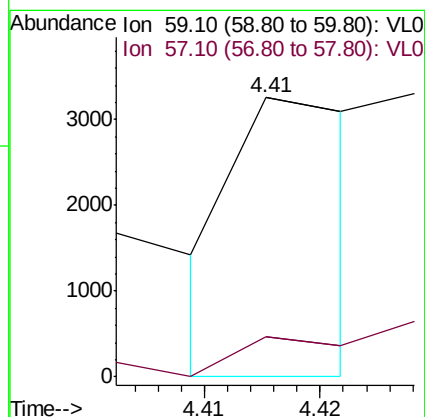
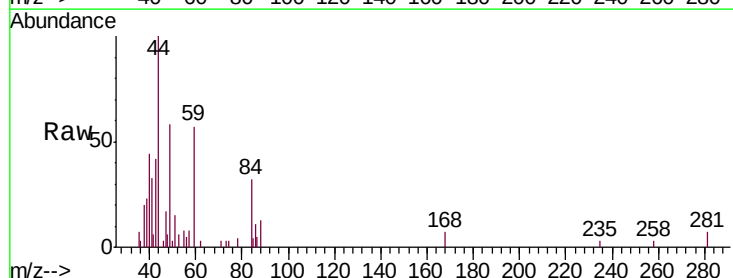
Acq: 11 Oct 2018 14:01

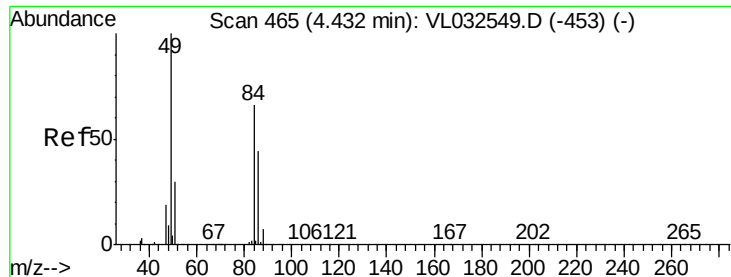
Tgt Ion: 59 Resp: 1225

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0

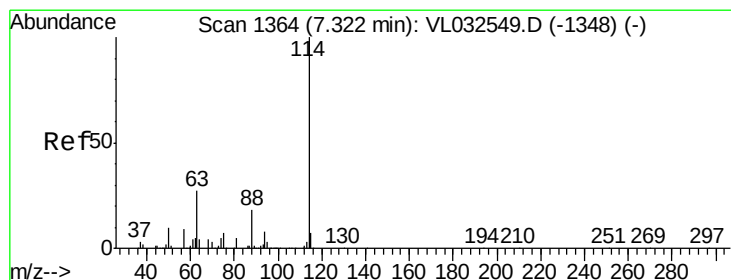
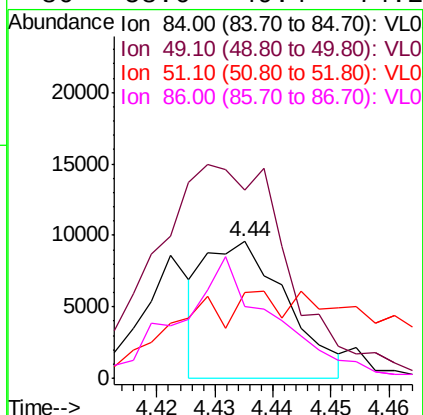
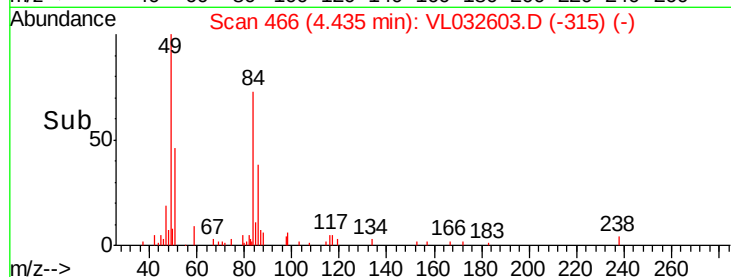
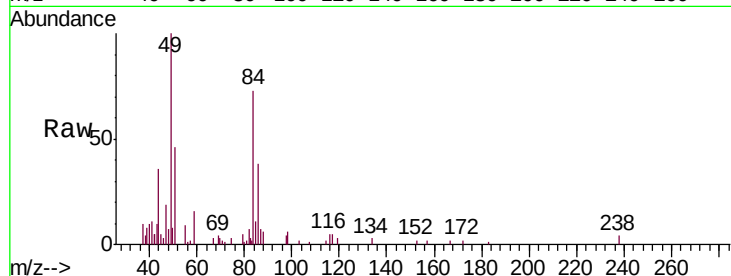




#20
Methylene Chloride
Concen: 0.154 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL032603.D
Acq: 11 Oct 2018 14:01

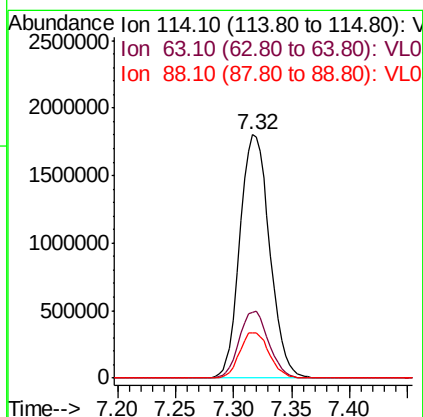
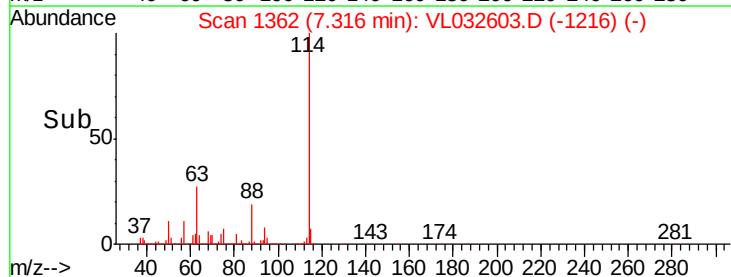
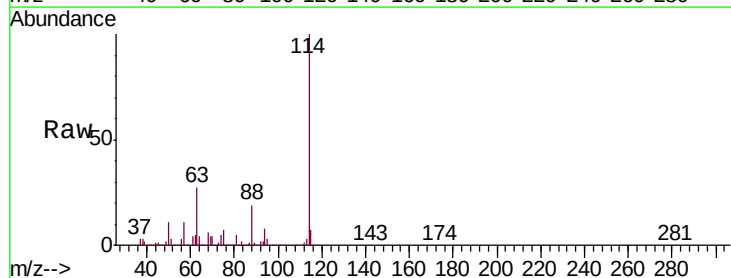
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

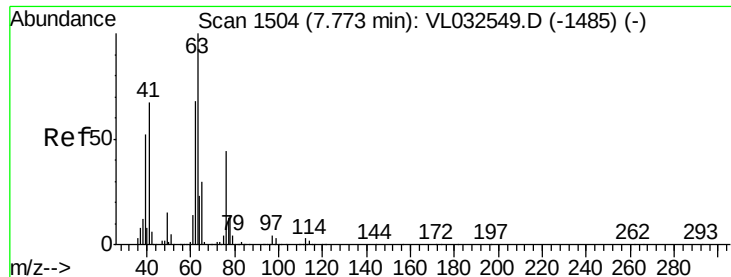
Tgt Ion: 84 Resp: 9292
Ion Ratio Lower Upper
84 100
49 151.5 119.1 178.7
51 23.2 35.2 52.8#
86 58.6 49.4 74.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032603.D
Acq: 11 Oct 2018 14:01

Tgt Ion: 114 Resp: 3221092
Ion Ratio Lower Upper
114 100
63 27.2 22.2 33.4
88 18.6 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.431 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.47 min

Lab File: VL032603.D

Acq: 11 Oct 2018 14:01

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

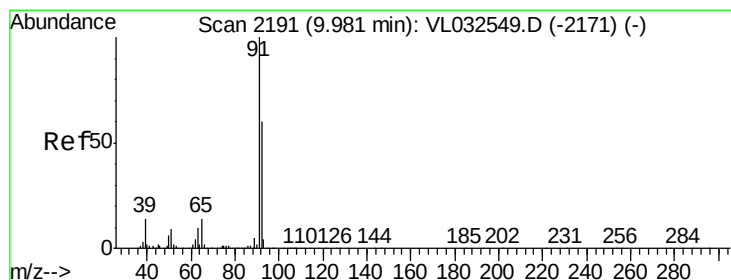
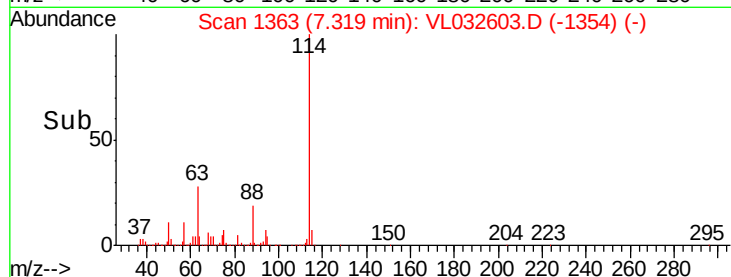
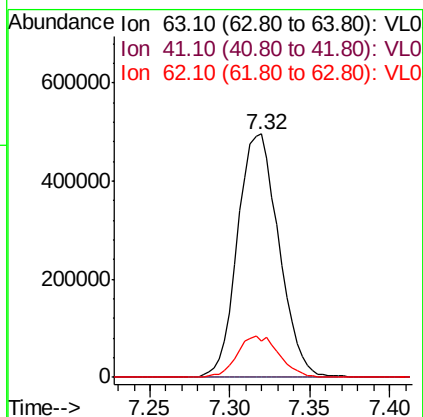
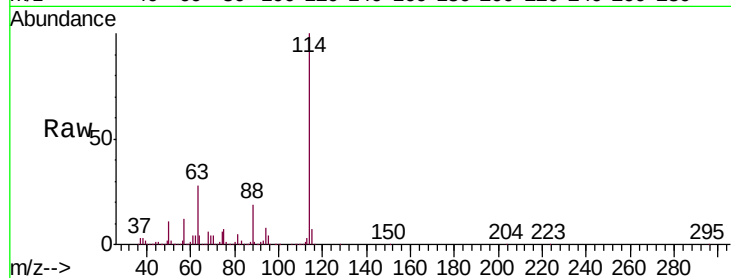
Tgt Ion: 63 Resp: 871676

Ion Ratio Lower Upper

63 100

41 0.1 55.4 83.0#

62 14.9 55.4 83.0#



#53

Toluene

Concen: 0.041 ppbv

RT: 9.98 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL032603.D

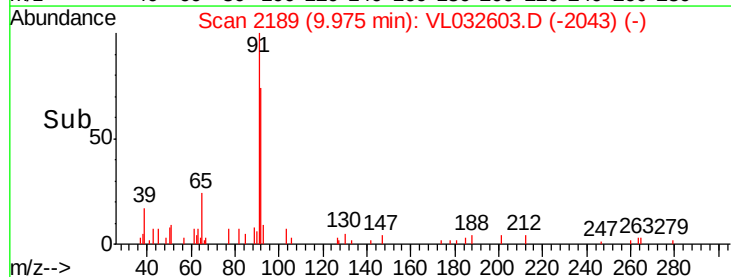
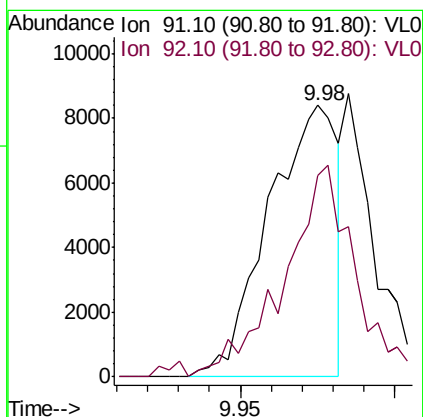
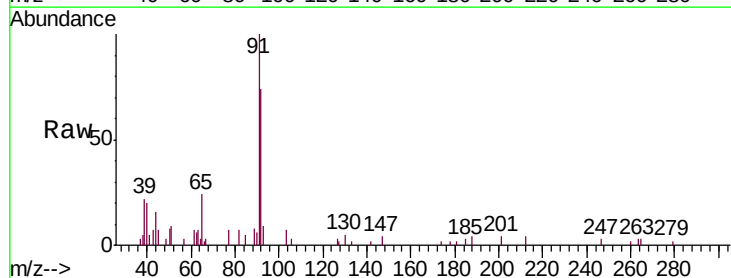
Acq: 11 Oct 2018 14:01

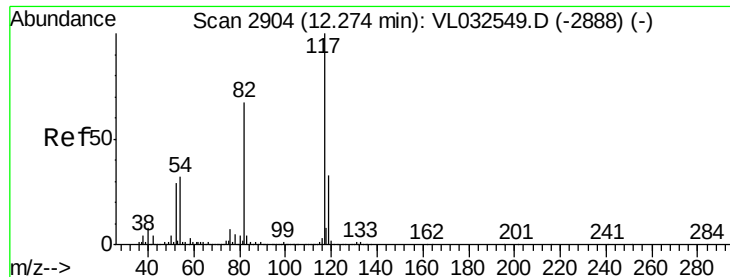
Tgt Ion: 91 Resp: 12930

Ion Ratio Lower Upper

91 100

92 81.4 48.1 72.1#

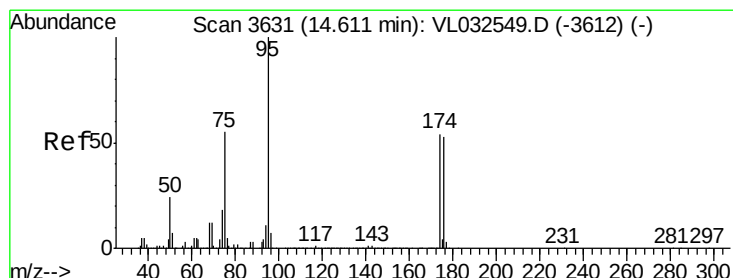
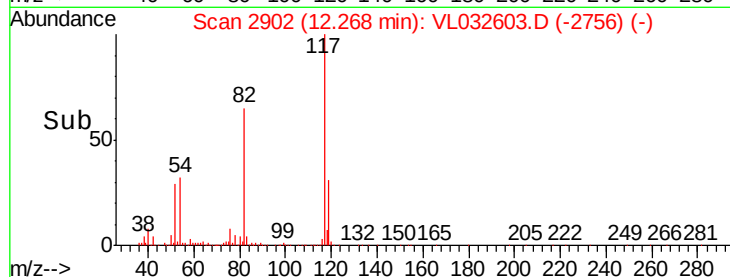
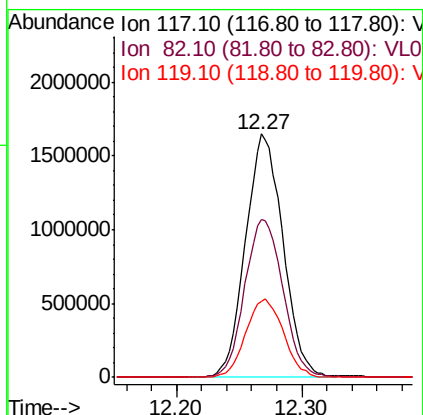
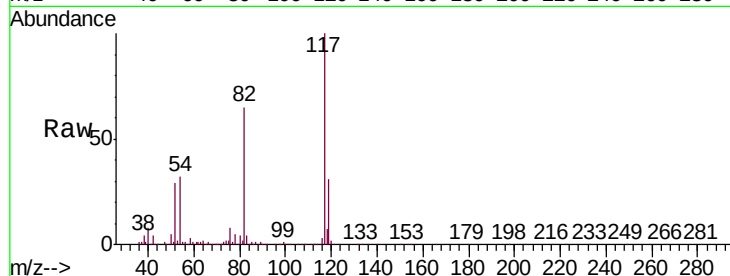




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032603.D
Acq: 11 Oct 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 117 Resp: 3431719
Ion Ratio Lower Upper
117 100
82 66.4 53.0 79.6
119 32.4 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.738 ppbv
RT: 14.61 min Scan# 3629
Delta R.T. -0.03 min
Lab File: VL032603.D
Acq: 11 Oct 2018 14:01

Tgt Ion: 95 Resp: 2520028
Ion Ratio Lower Upper
95 100
174 58.1 46.3 69.5
175 4.1 3.4 5.0

