

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032787.D
 Acq On : 20 Nov 2018 20:45
 Operator : SY/AP
 Sample : J5961-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 04:07:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1282863	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3285727	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3004047	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2235840	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

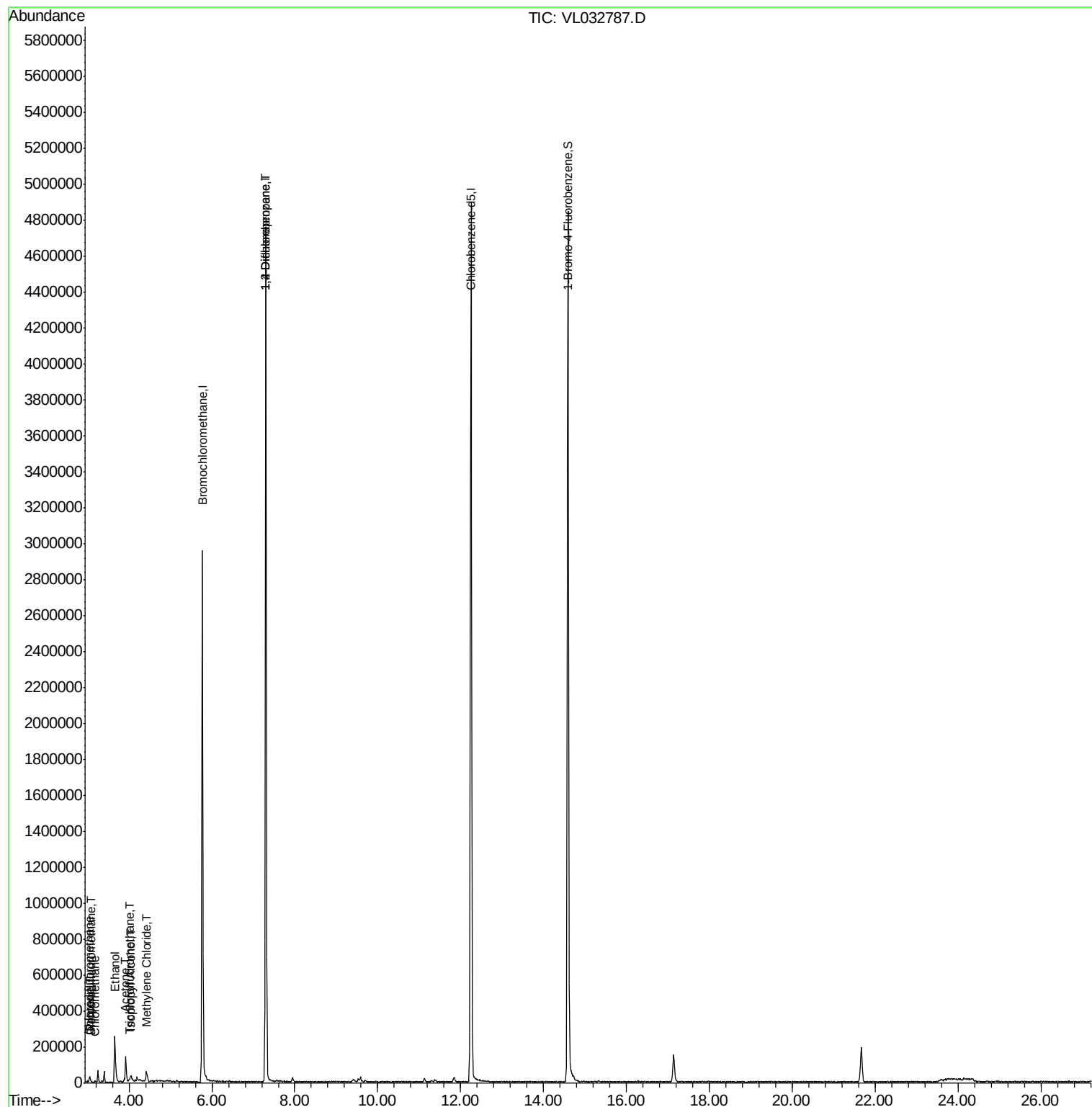
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	8971	0.049	ppbv #	69
3) Chlorodifluoromethane	3.02	51	12375	0.122	ppbv #	77
4) Chloromethane	3.18	50	5474	0.097	ppbv #	86
9) Propene	3.05	41	5191	0.128	ppbv #	64
11) Trichlorofluoromethane	4.01	101	5792	0.033	ppbv #	72
13) Ethanol	3.66	45	291868	21.894	ppbv	99
15) Acetone	3.91	43	145927	1.246	ppbv	95
19) Isopropyl Alcohol	4.03	45	8114	0.104	ppbv #	25
20) Methylene Chloride	4.42	84	14750	0.243	ppbv #	81
39) 1,2-Dichloropropane	7.30	63	815498	8.180	ppbv #	23

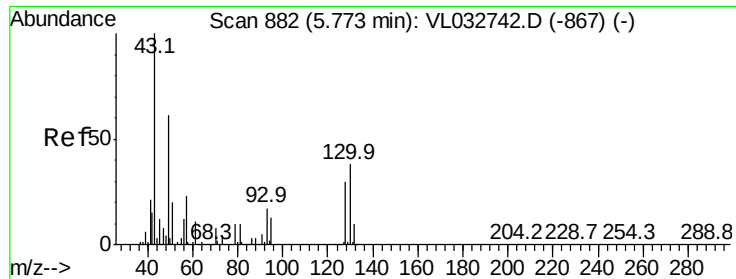
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032787.D

Acq: 20 Nov 2018 20:45

Instrument :
MSVOA_L
ClientSampleId :

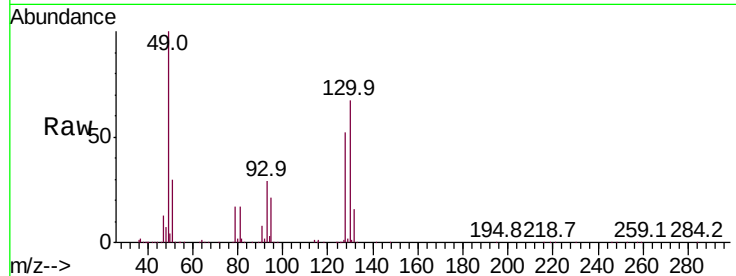
Tot Ion: 49 Resp: 1282863

Ion Ratio Lower Upper

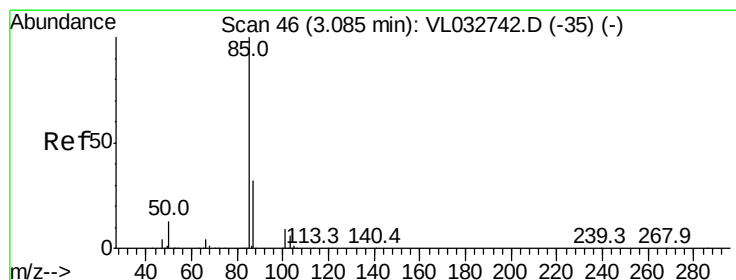
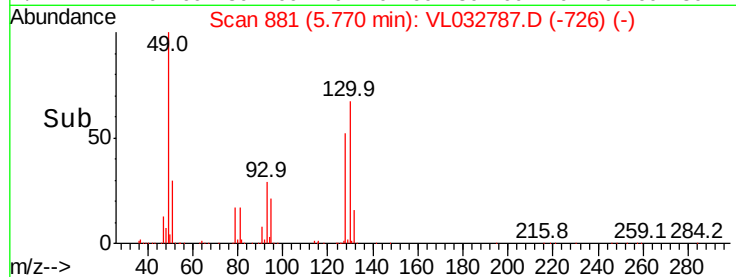
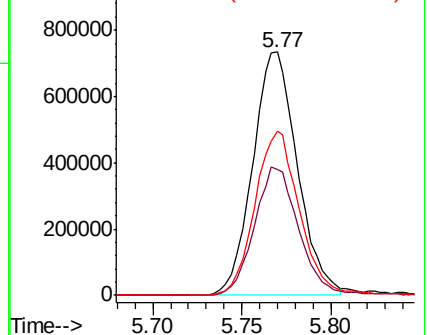
49 100

128 53.2 24.9 74.6

130 68.5 31.4 94.2



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: 0.049 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032787.D

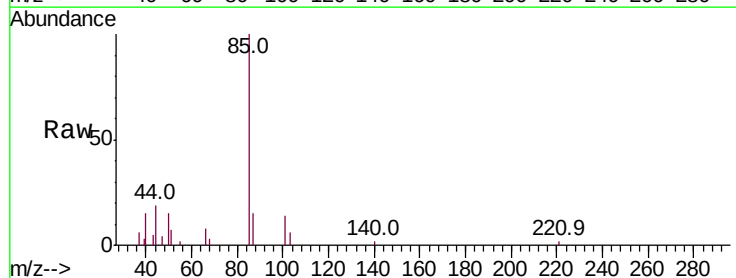
Acq: 20 Nov 2018 20:45

Tgt Ion: 85 Resp: 8971

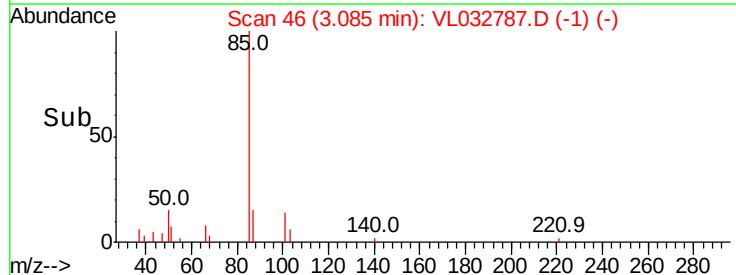
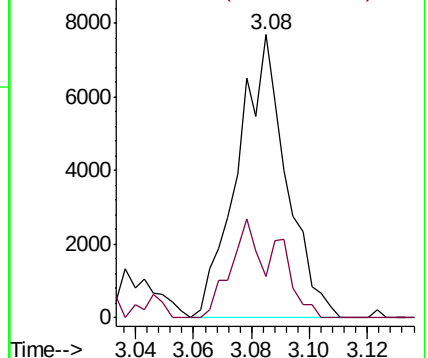
Ion Ratio Lower Upper

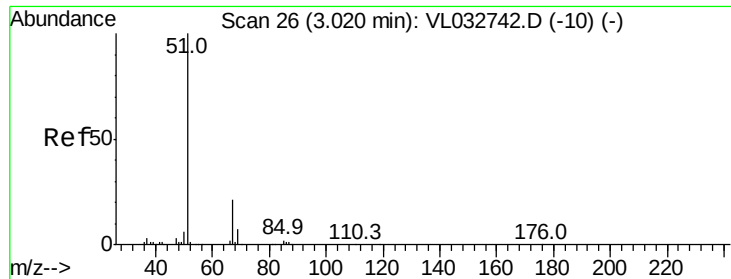
85 100

87 14.8 26.0 39.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.122 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL032787.D

Acq: 20 Nov 2018 20:45

Instrument :

MSVOA_L

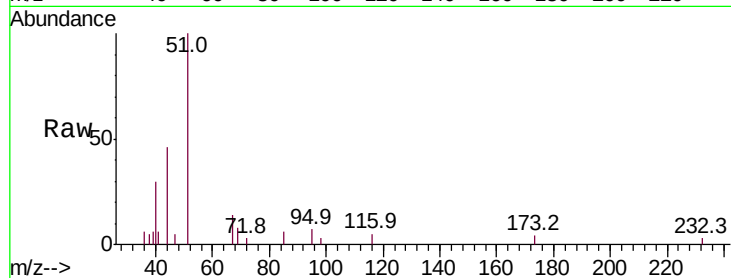
ClientSampleId :

Tot Ion: 51 Resp: 12375

Ion Ratio Lower Upper

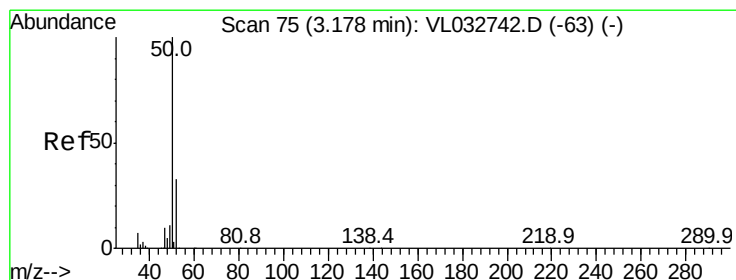
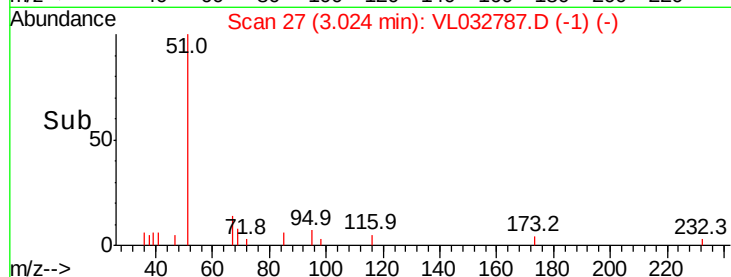
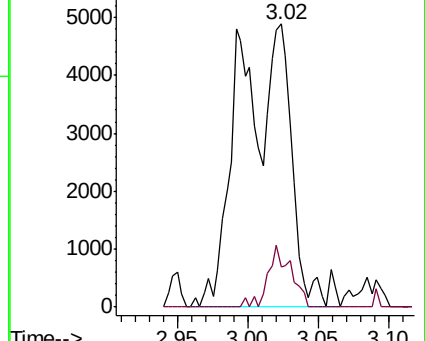
51 100

67 9.7 16.1 24.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.097 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032787.D

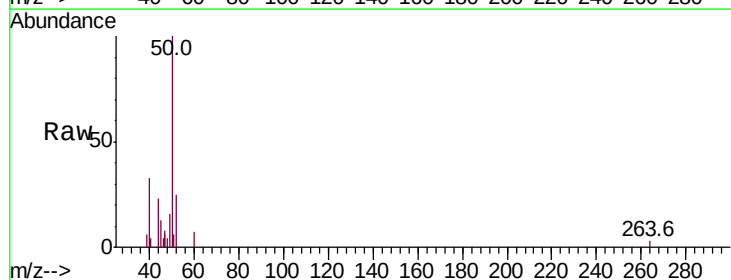
Acq: 20 Nov 2018 20:45

Tgt Ion: 50 Resp: 5474

Ion Ratio Lower Upper

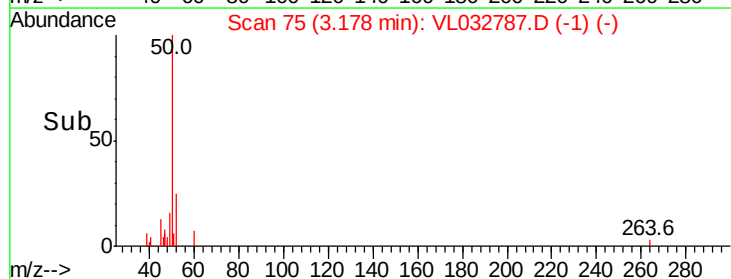
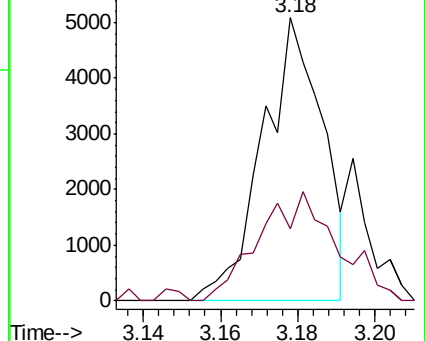
50 100

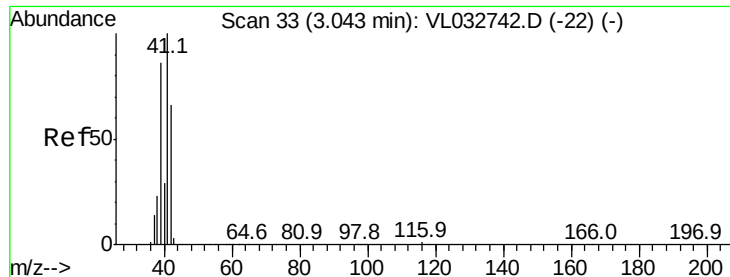
52 25.4 26.6 40.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.128 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032787.D

Acq: 20 Nov 2018 20:45

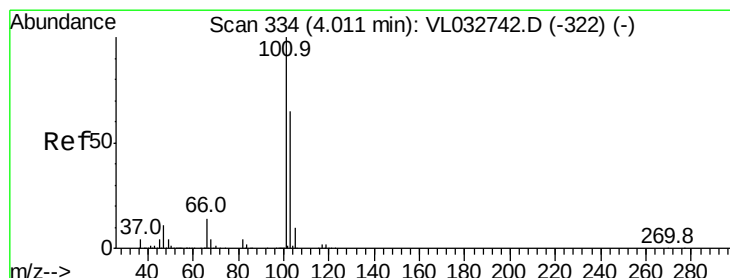
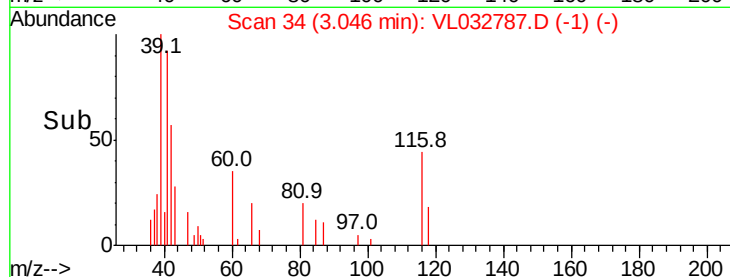
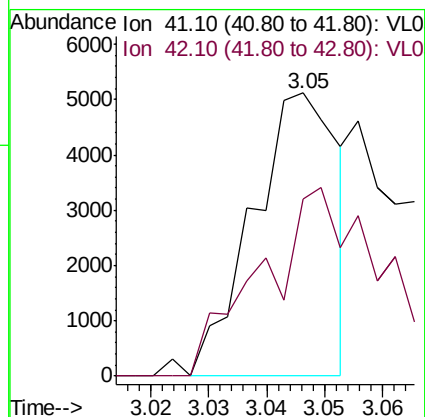
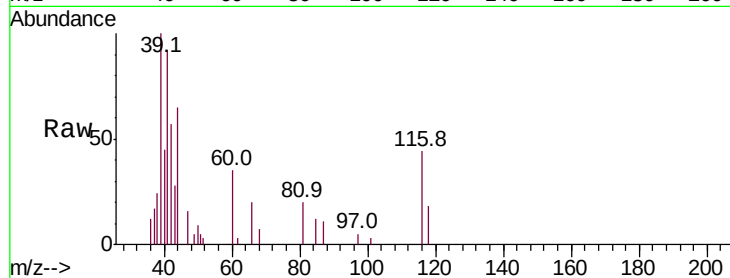
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 5191

Ion Ratio Lower Upper

41 100

42 97.9 55.0 82.6#



#11

Trichlorofluoromethane

Concen: 0.033 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL032787.D

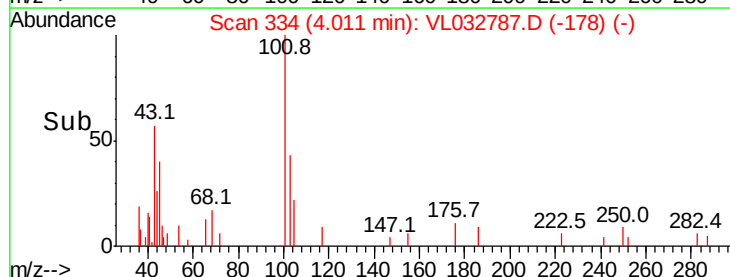
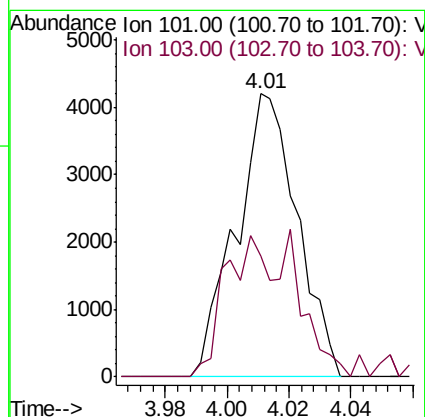
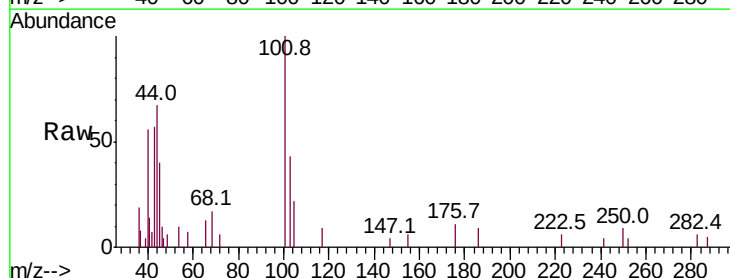
Acq: 20 Nov 2018 20:45

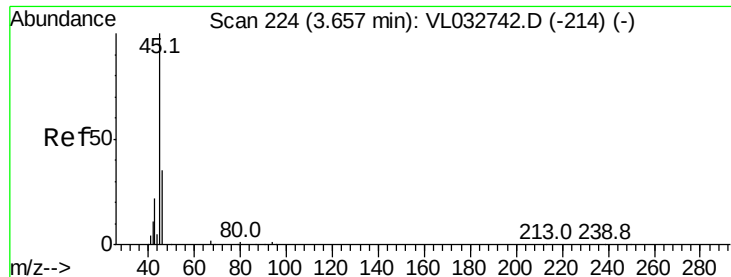
Tgt Ion: 101 Resp: 5792

Ion Ratio Lower Upper

101 100

103 42.6 51.6 77.4#





#13

Ethanol

Concen: 21.894 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL032787.D

Acq: 20 Nov 2018 20:45

Instrument :

MSVOA_L

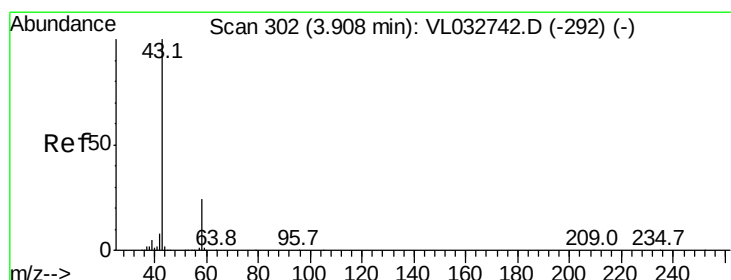
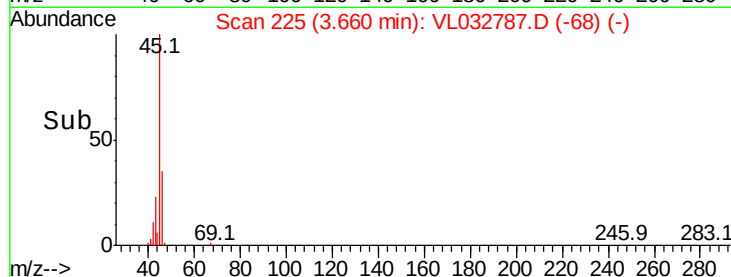
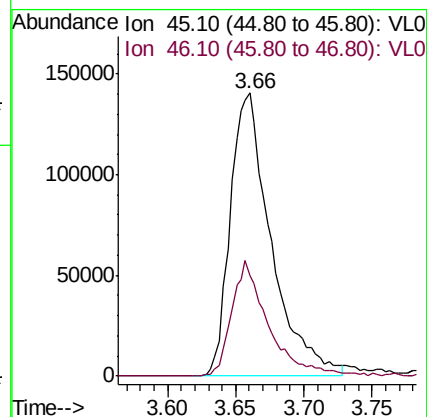
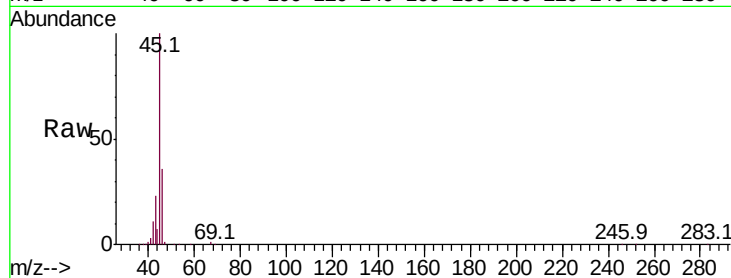
ClientSampleId :

Tot Ion: 45 Resp: 291868

Ion Ratio Lower Upper

45 100

46 37.1 14.5 57.9



#15

Acetone

Concen: 1.246 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL032787.D

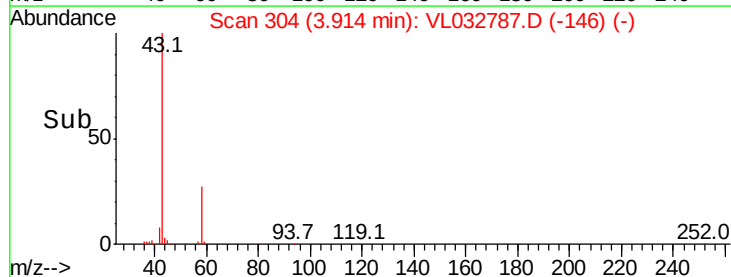
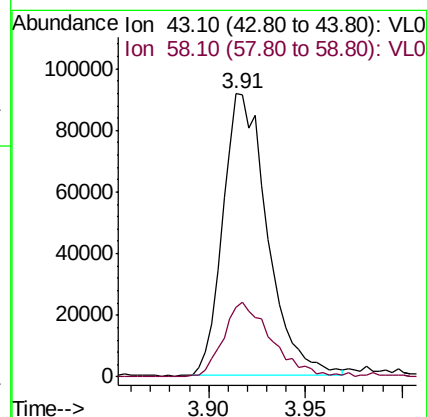
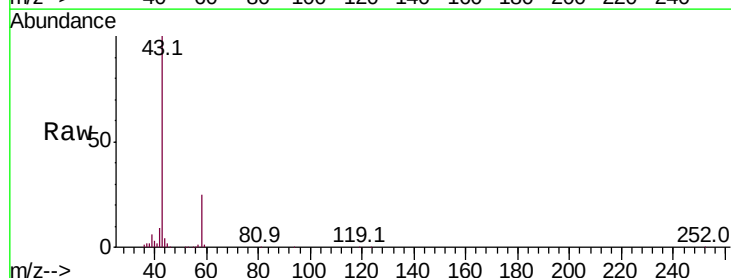
Acq: 20 Nov 2018 20:45

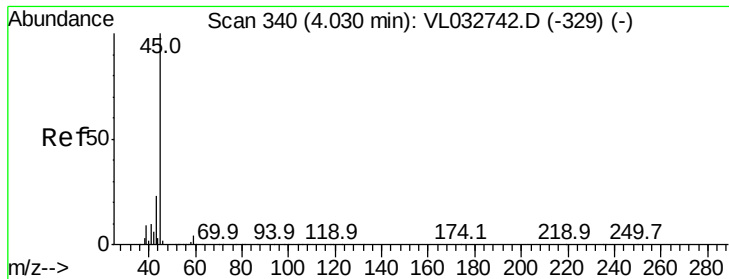
Tgt Ion: 43 Resp: 145927

Ion Ratio Lower Upper

43 100

58 28.8 21.1 31.7



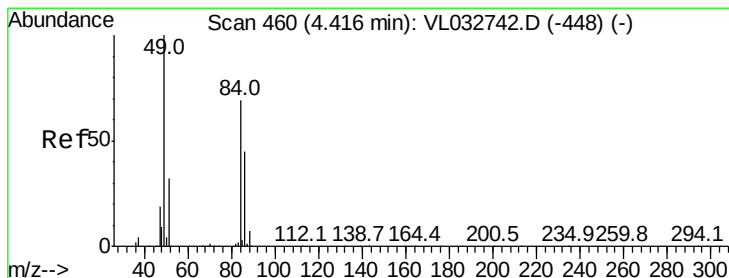
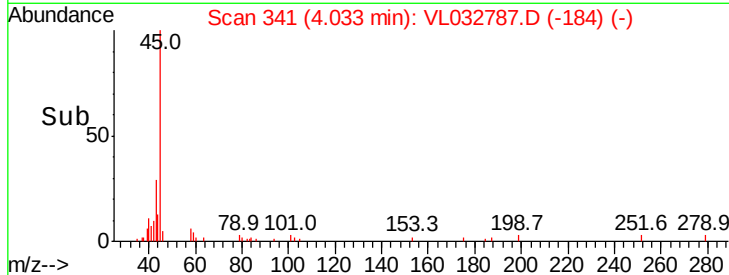
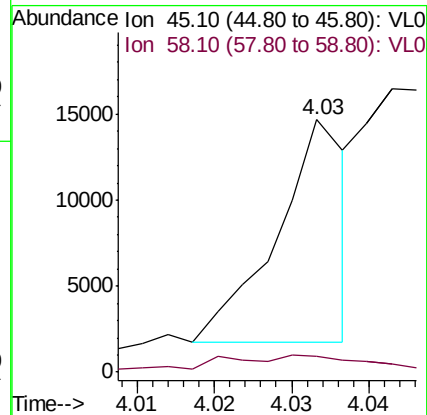
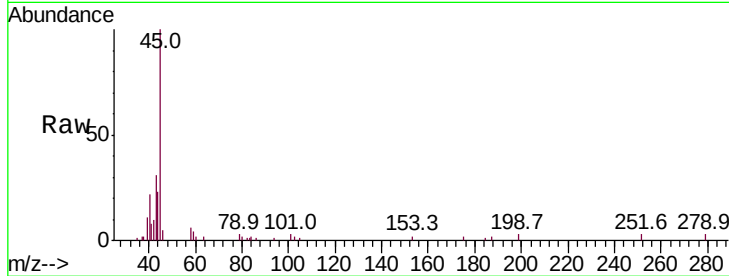


#19

Isopropyl Alcohol
 Concen: 0.104 ppbv
 RT: 4.03 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VL032787.D
 Acq: 20 Nov 2018 20:45

Instrument :
 MSVOA_L
 ClientSampleId :

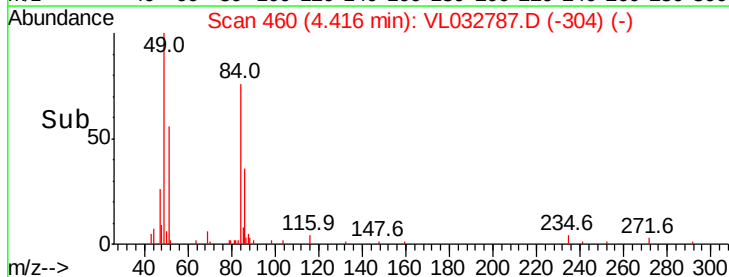
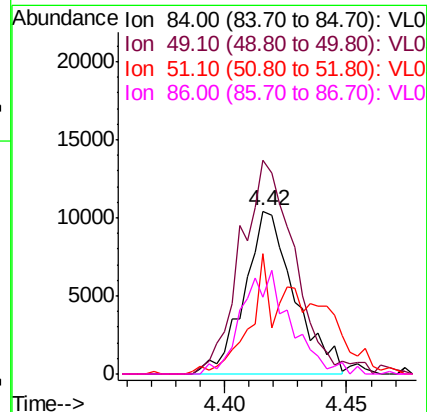
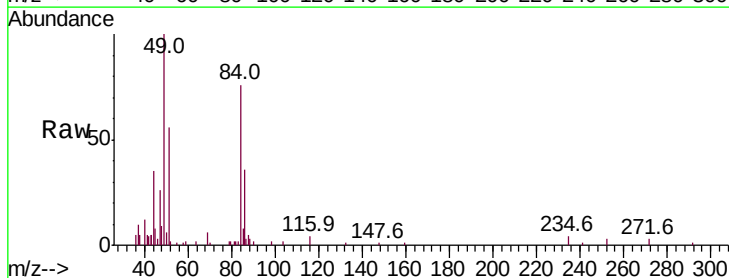
Tot Ion: 45 Resp: 8114
 Ion Ratio Lower Upper
 45 100
 58 29.1 1.4 2.0#

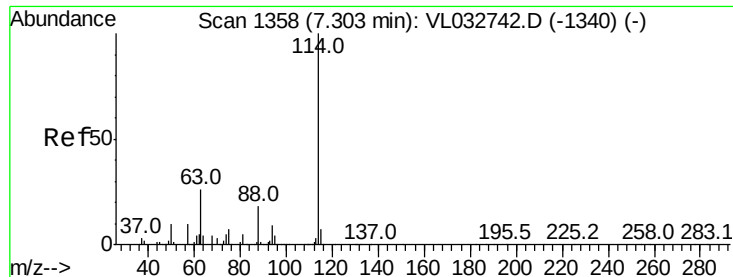


#20

Methylene Chloride
 Concen: 0.243 ppbv
 RT: 4.42 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VL032787.D
 Acq: 20 Nov 2018 20:45

Tgt Ion: 84 Resp: 14750
 Ion Ratio Lower Upper
 84 100
 49 131.1 115.8 173.6
 51 73.6 36.9 55.3#
 86 47.5 52.4 78.6#

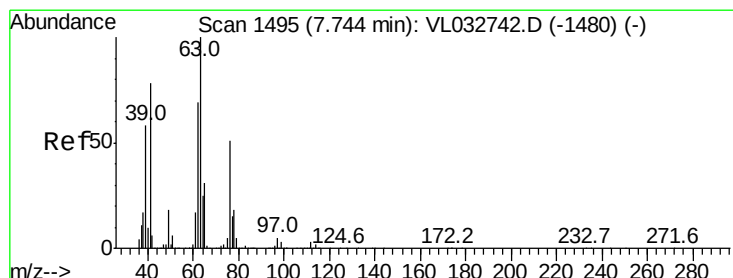
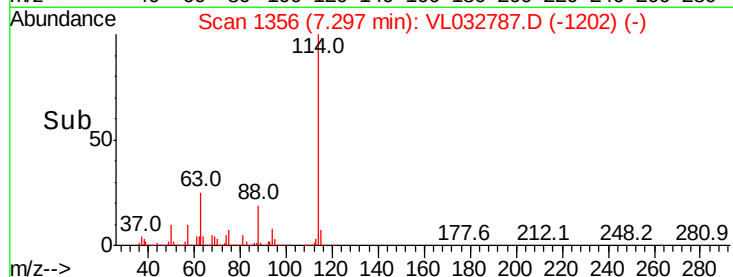
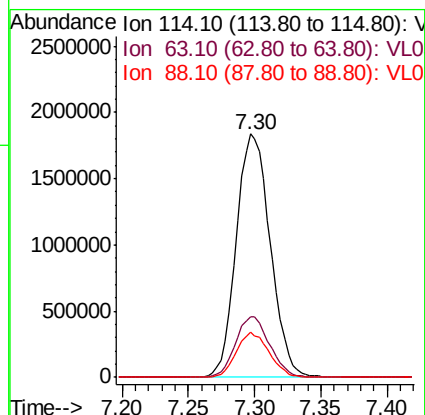
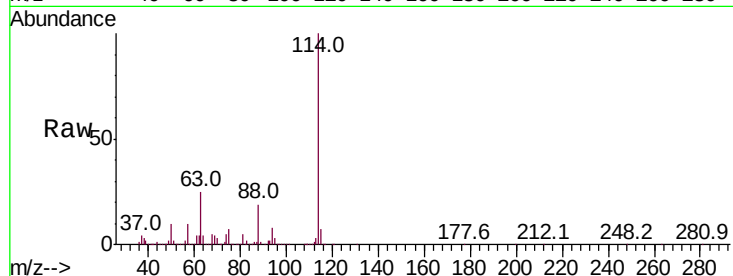




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL032787.D
 Acq: 20 Nov 2018 20:45

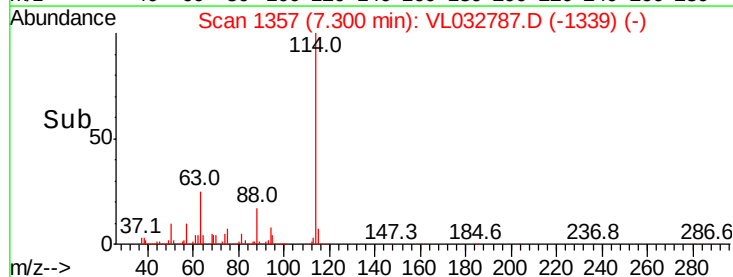
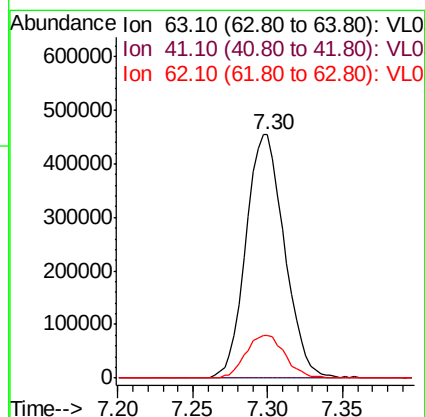
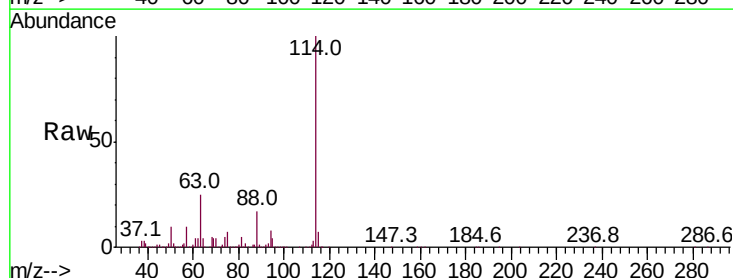
Instrument :
 MSVOA_L
 ClientSampleId :

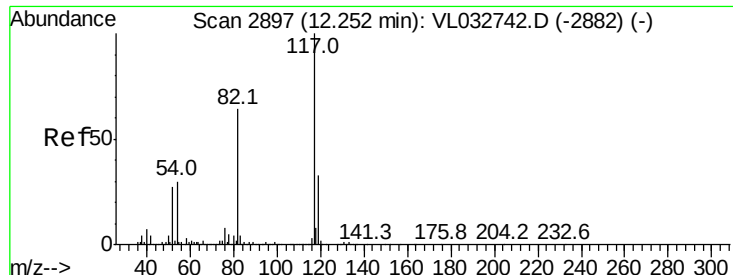
Tot Ion:114 Resp: 3285727
 Ion Ratio Lower Upper
 114 100
 63 24.9 20.9 31.3
 88 17.8 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 8.180 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.44 min
 Lab File: VL032787.D
 Acq: 20 Nov 2018 20:45

Tgt Ion: 63 Resp: 815498
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.0 93.0#
 62 17.4 55.4 83.2#

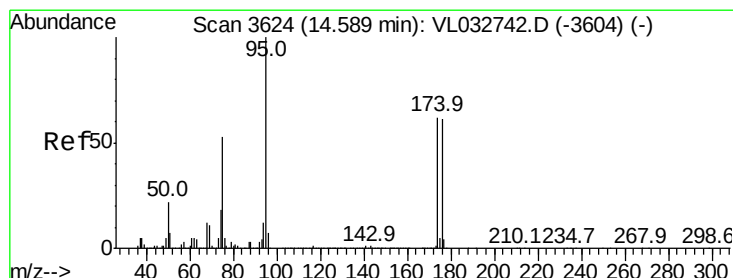
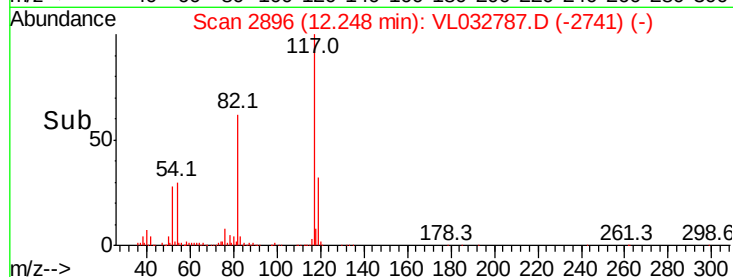
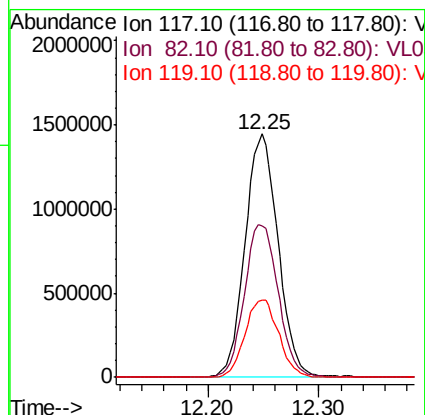
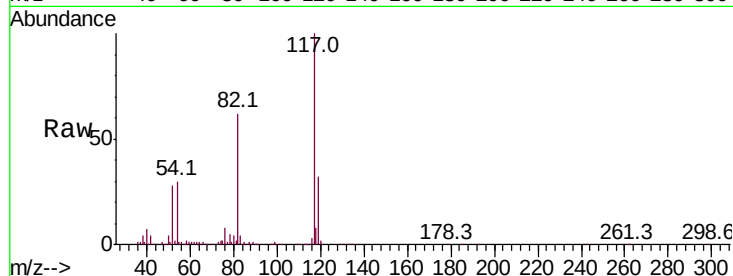




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032787.D
Acq: 20 Nov 2018 20:45

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3004047
Ion Ratio Lower Upper
117 100
82 64.7 51.0 76.6
119 32.7 28.0 42.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.951 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032787.D
Acq: 20 Nov 2018 20:45

Tgt Ion: 95 Resp: 2235840
Ion Ratio Lower Upper
95 100
174 67.2 50.7 76.1
175 4.8 3.8 5.6

