

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038841.D
 Acq On : 7 Apr 2022 14:56
 Operator : SY/AP
 Sample : N2245-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BD-INDOORDL

Quant Time: Apr 08 05:23:39 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1199093	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3185251	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2760598	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2078835	9.93	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

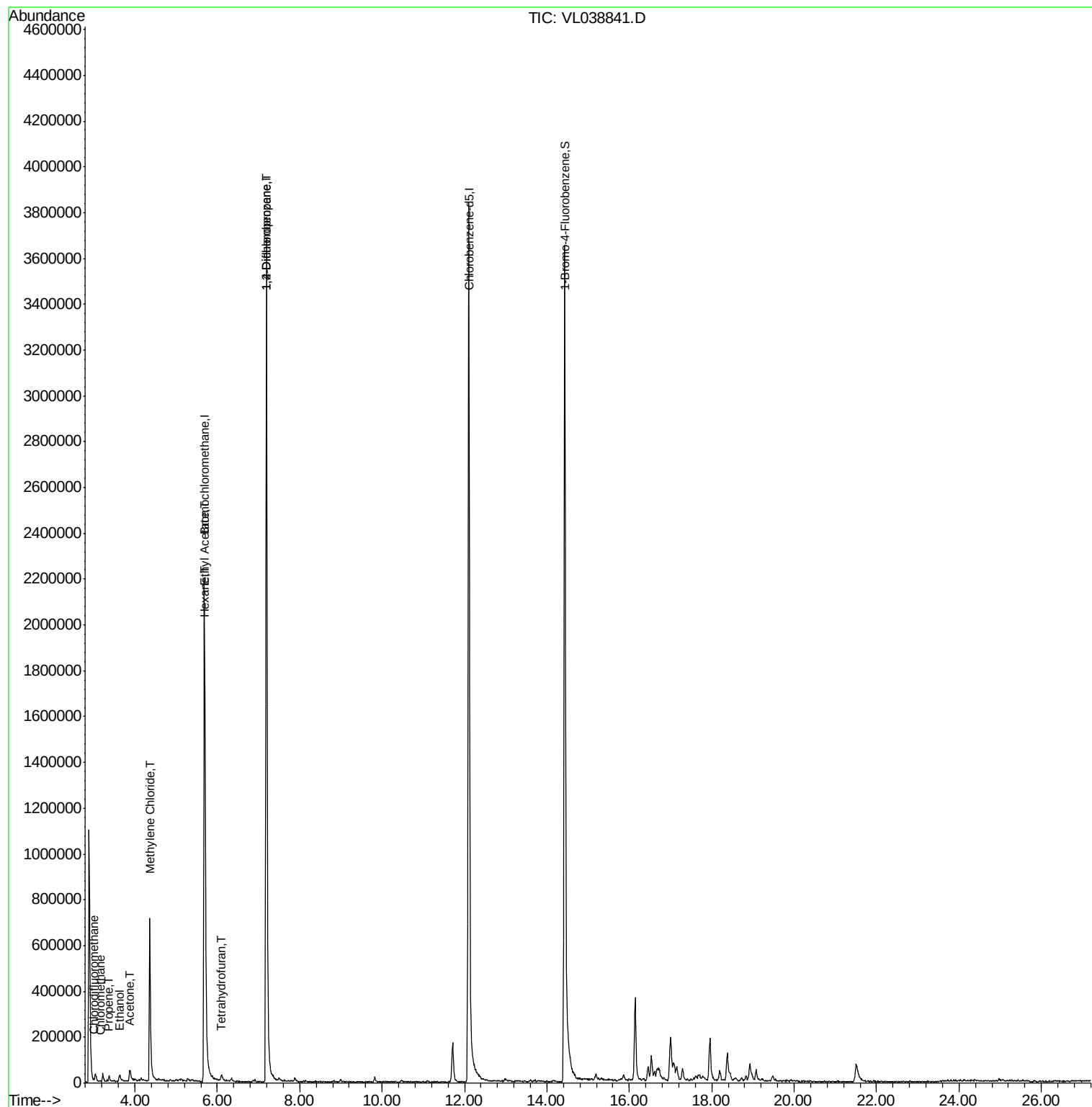
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	10309	0.070	ppbv #	92
4) Chloromethane	3.16	50	2999	0.040	ppbv	99
9) Propene	3.37	41	5091	0.066	ppbv	85
13) Ethanol	3.62	45	20428	4.342	ppbv #	100
15) Acetone	3.87	43	41643	0.349	ppbv #	62
20) Methylene Chloride	4.36	84	293285	6.774	ppbv	94
25) Ethyl Acetate	5.70	43	189089	0.624	ppbv #	77
26) Hexane	5.71	57	278322	2.019	ppbv #	40
39) 1,2-Dichloropropane	7.19	63	821785	7.415	ppbv #	26
41) Tetrahydrofuran	6.10	42	9384	0.079	ppbv #	26

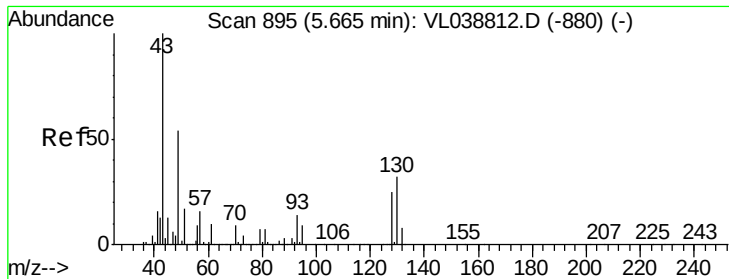
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :
BD-INDOORDL

Quant Time: Apr 08 05:23:39 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
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QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Apr 2022 14:50 BD-INDOORDL

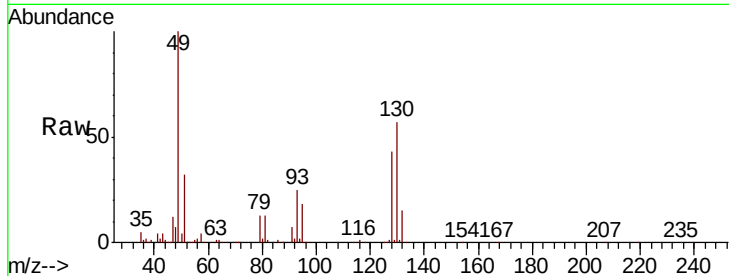
Tot Ion: 49 Resp: 1199093

Ion Ratio Lower Upper

49 100

128 48.2 24.1 72.3

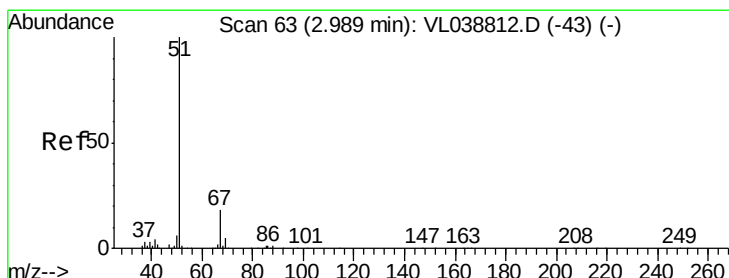
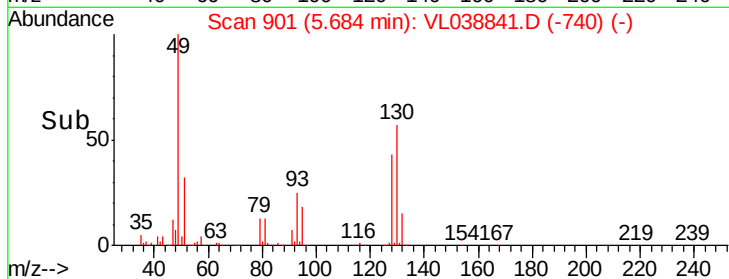
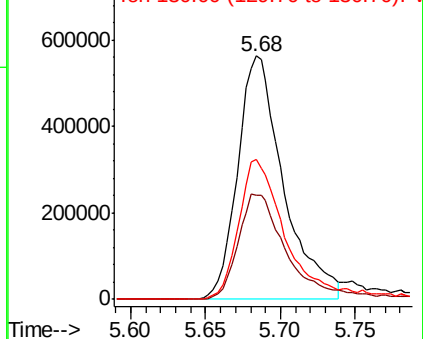
130 62.5 30.9 92.8



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



#3

Chlorodifluoromethane

Concen: 0.070 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL038841.D

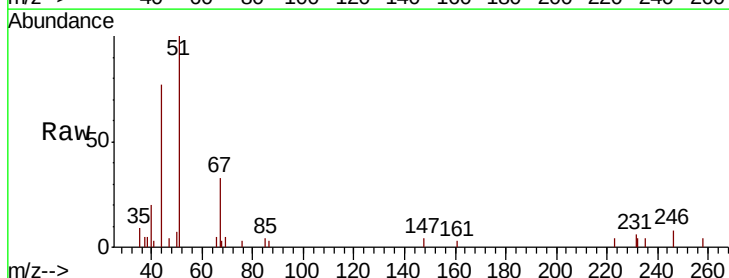
Acq: 7 Apr 2022 14:56

Tgt Ion: 51 Resp: 10309

Ion Ratio Lower Upper

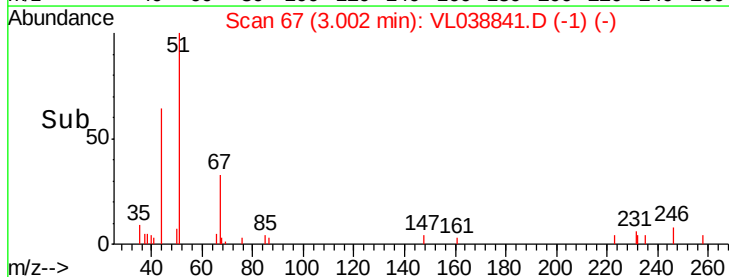
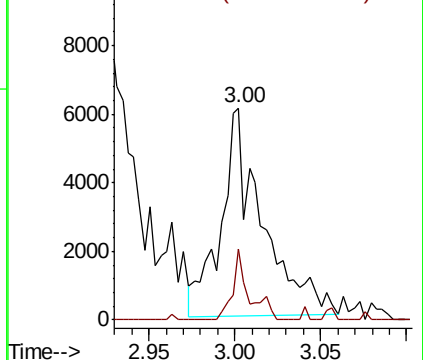
51 100

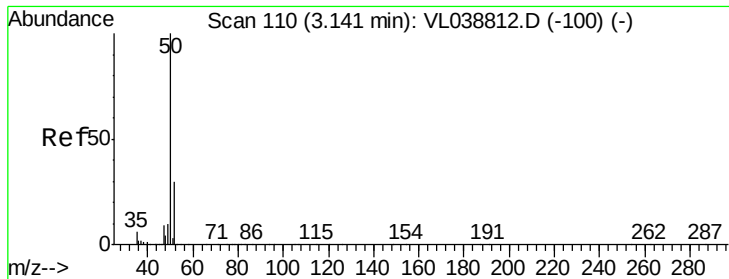
67 13.3 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.040 ppbv

RT: 3.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

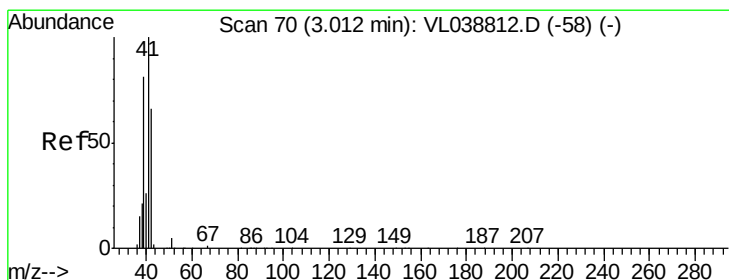
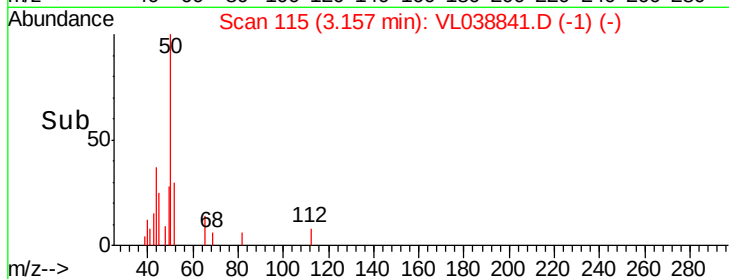
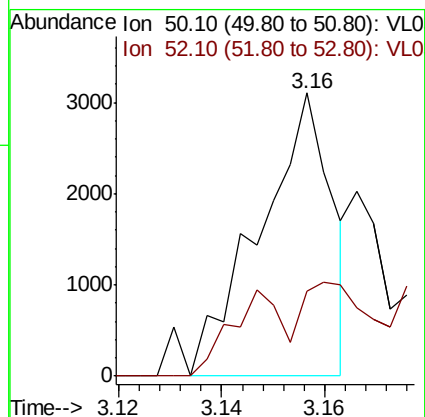
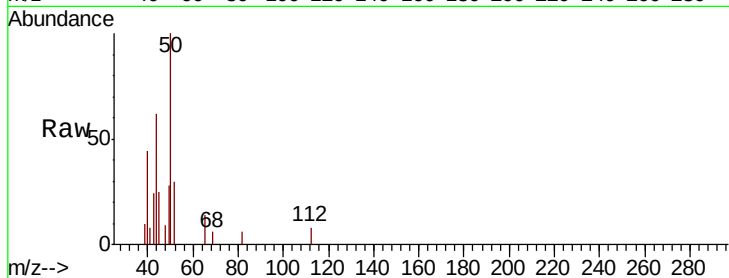
Acq: 7 Apr 2022 14:56 BD-INDOORDL

Tot Ion: 50 Resp: 2999

Ion Ratio Lower Upper

50 100

52 29.9 24.3 36.5



#9

Propene

Concen: 0.066 ppbv

RT: 3.37 min Scan# 181

Delta R.T. 0.36 min

Lab File: VL038841.D

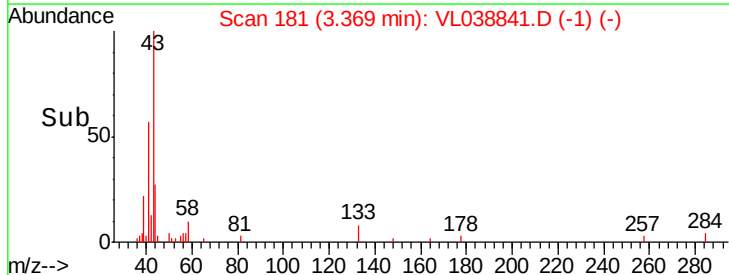
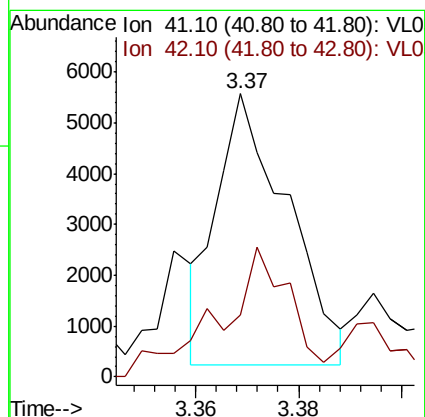
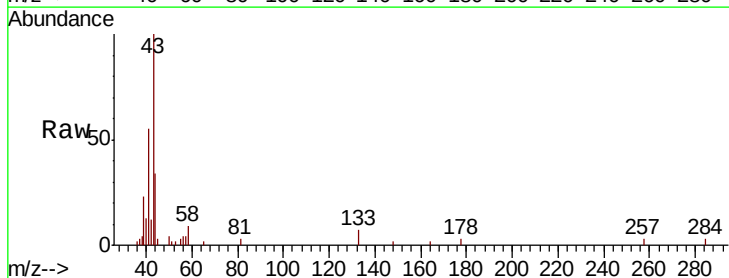
Acq: 7 Apr 2022 14:56

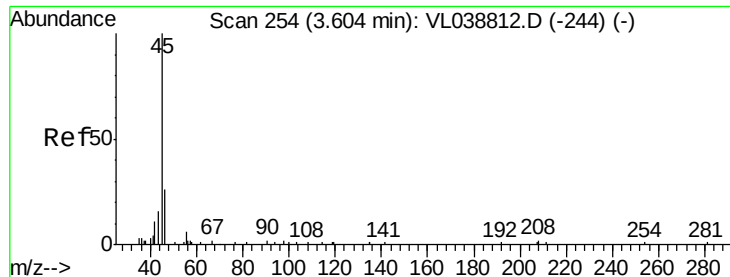
Tgt Ion: 41 Resp: 5091

Ion Ratio Lower Upper

41 100

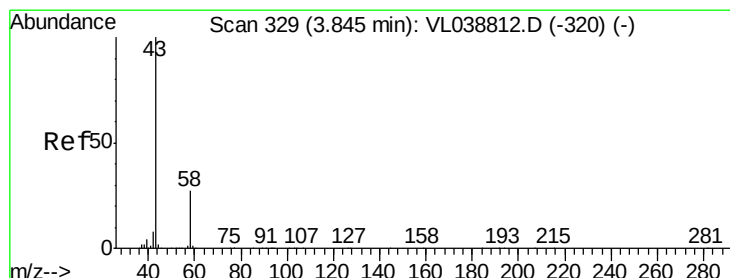
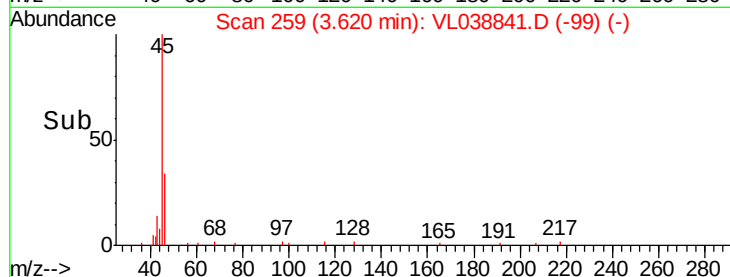
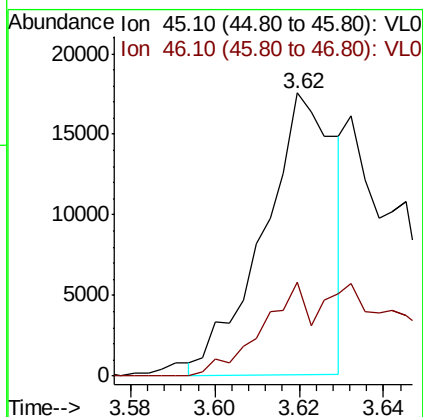
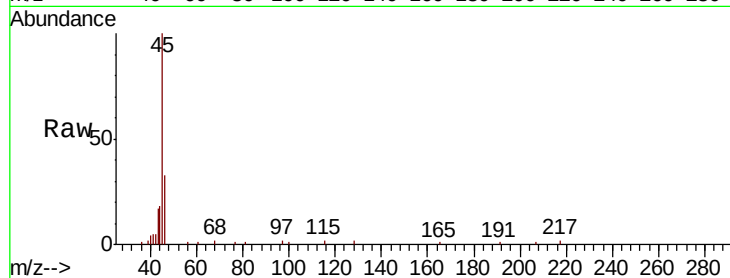
42 55.5 54.2 81.4





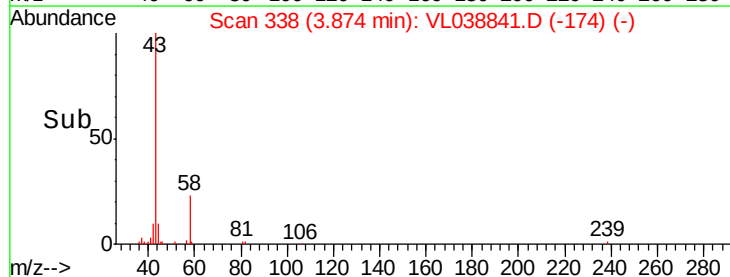
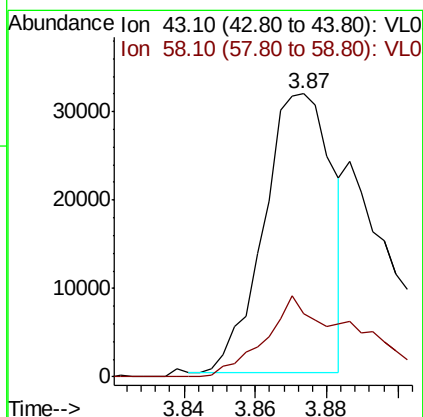
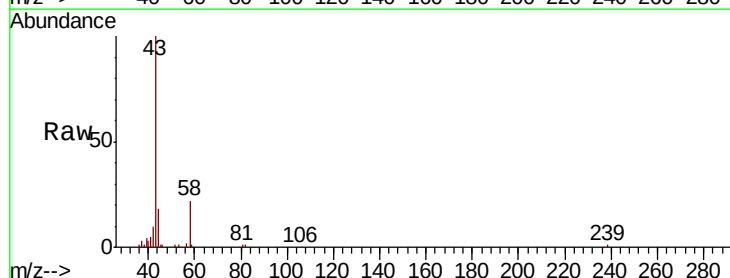
#13
Ethanol
Concen: 4.342 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 14:56

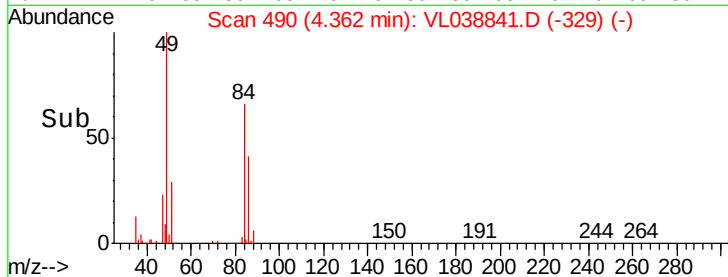
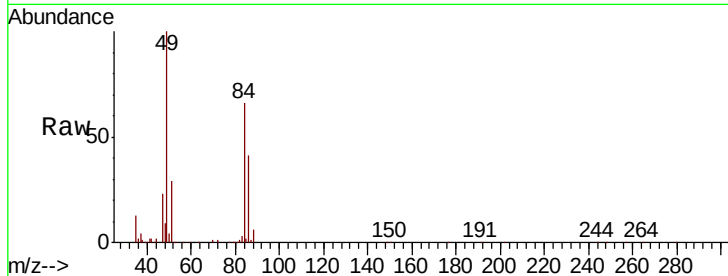
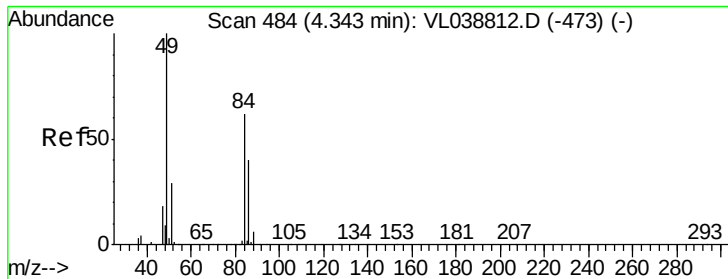
Tot Ion: 45 Resp: 20428
Ion Ratio Lower Upper
45 100
46 77.2 0.0 0.0#



#15
Acetone
Concen: 0.349 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL038841.D
Acq: 7 Apr 2022 14:56

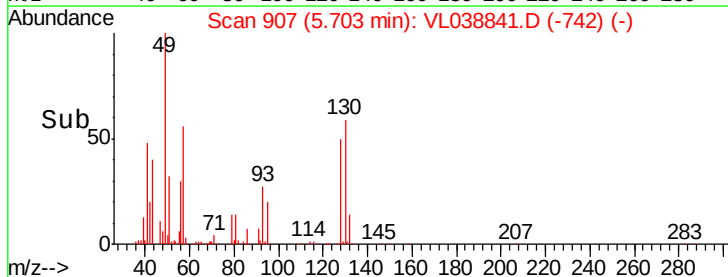
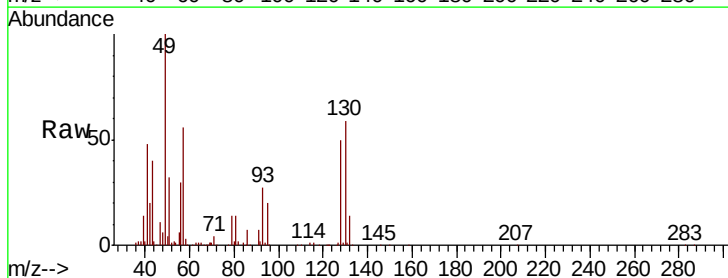
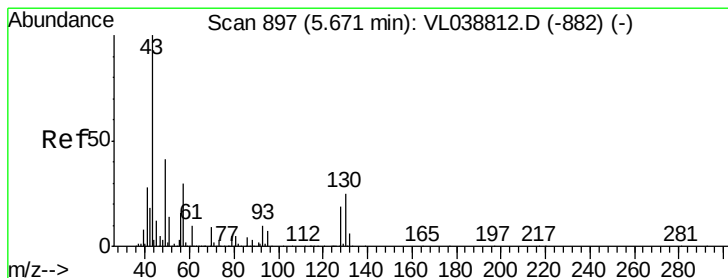
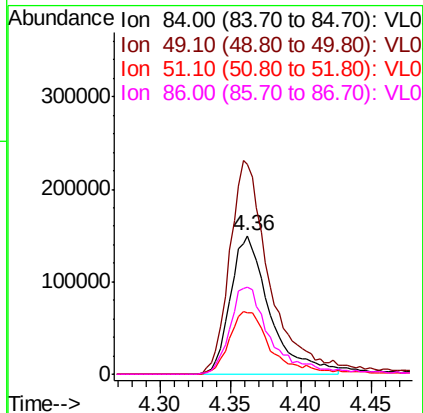
Tgt Ion: 43 Resp: 41643
Ion Ratio Lower Upper
43 100
58 47.9 22.5 33.7#





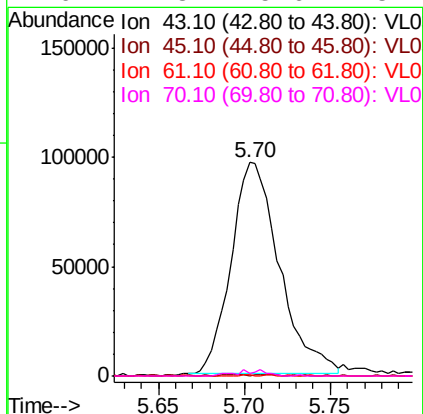
#20
Methvlene Chloride
Concen: 6.774 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Apr 2022 14:56

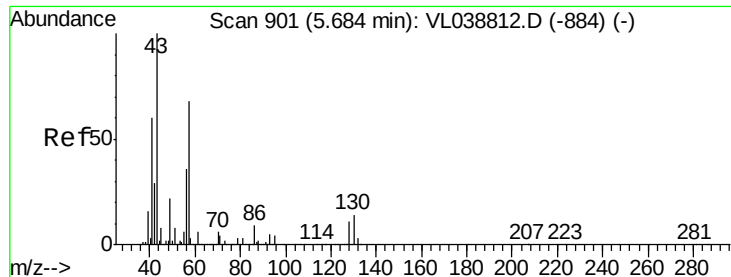
Tot Ion	84	Resp	293285
Ion Ratio	Lower	Upper	
84	100		
49	151.5	129.4	194.0
51	43.9	37.4	56.2
86	62.6	51.4	77.2



#25
Ethyl Acetate
Concen: 0.624 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.03 min
Lab File: VL038841.D
Acq: 7 Apr 2022 14:56

Tgt Ion	43	Resp	189089
Ion Ratio	Lower	Upper	
43	100		
45	0.9	8.4	12.6#
61	0.3	7.9	11.9#
70	1.8	5.6	8.4#





#26

Hexane

Concen: 2.019 ppbv

RT: 5.71 Instrument:

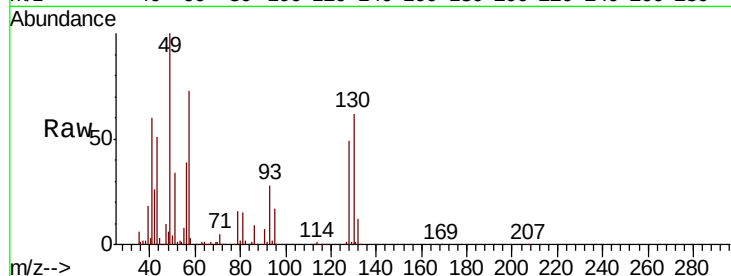
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 14:56 BD-INDOORDL

Tot Ion: 57 Resp: 278322

Ion	Ratio	Lower	Upper
57	100		
41	88.3	72.0	108.0
43	73.4	186.6	280.0#
56	54.7	42.8	64.2

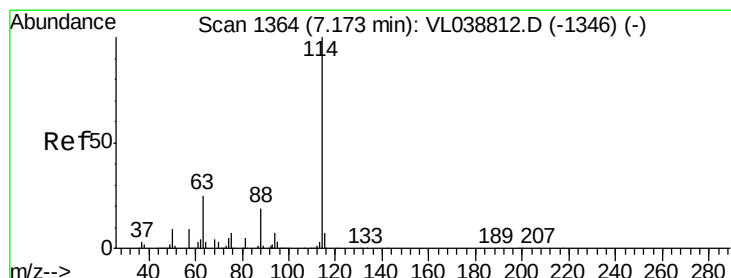
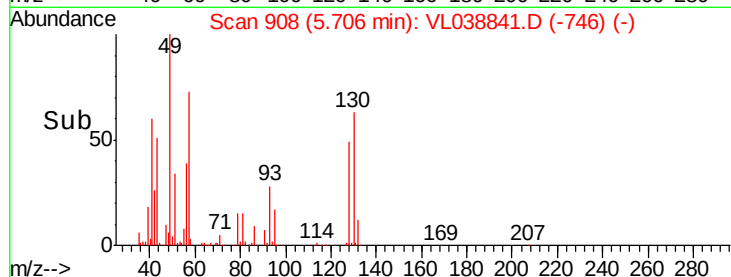
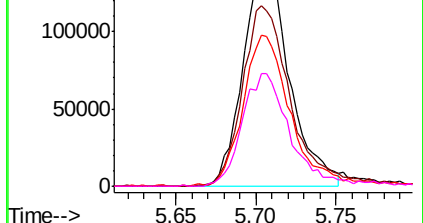


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

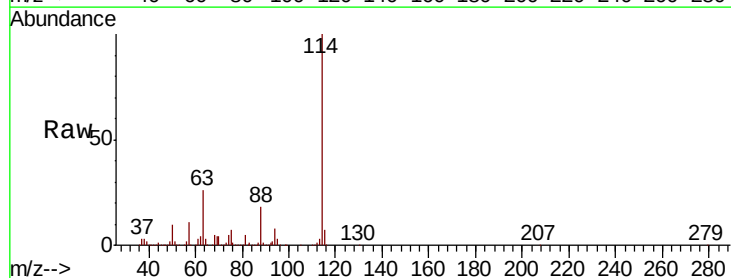
Delta R.T. 0.02 min

Lab File: VL038841.D

Acq: 7 Apr 2022 14:56

Tgt Ion: 114 Resp: 3185251

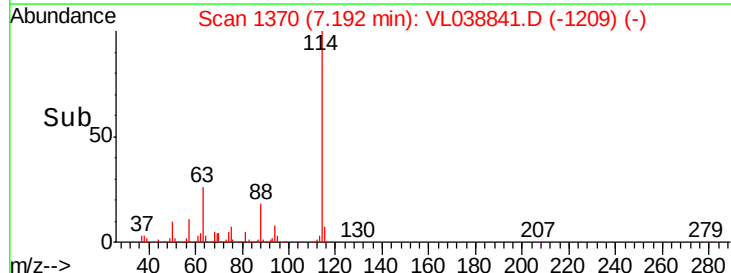
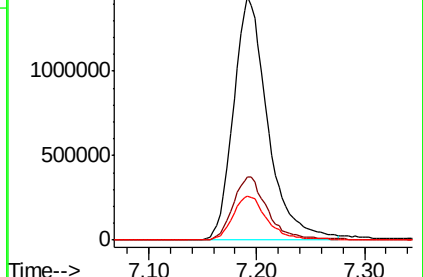
Ion	Ratio	Lower	Upper
114	100		
63	26.6	19.8	29.8
88	18.3	14.2	21.4

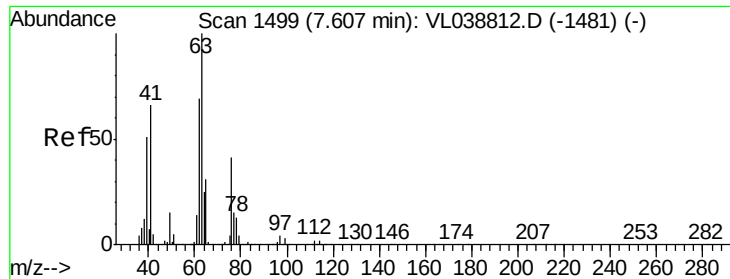


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.415 ppbv

RT: 7.19 Instrument:

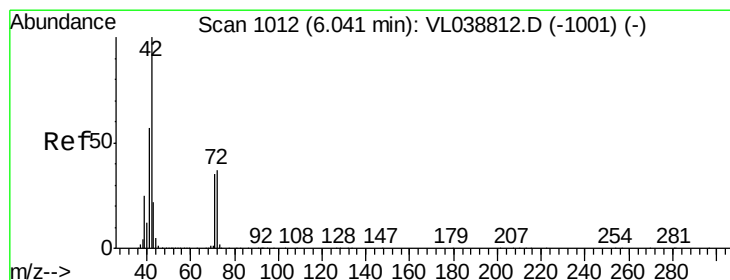
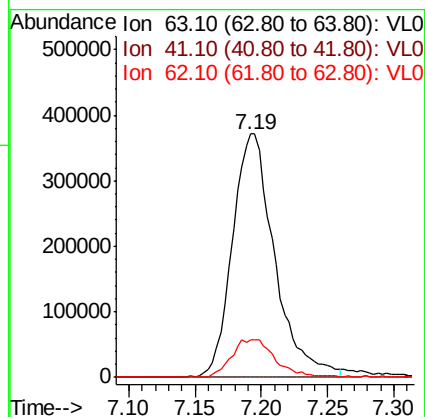
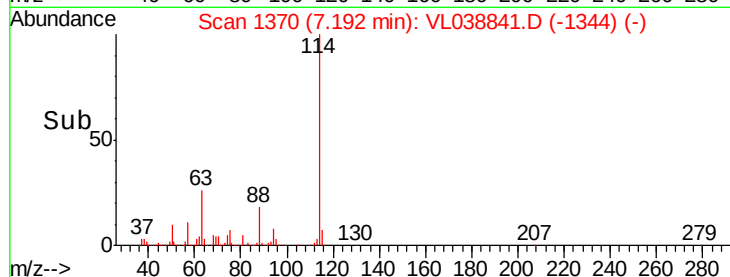
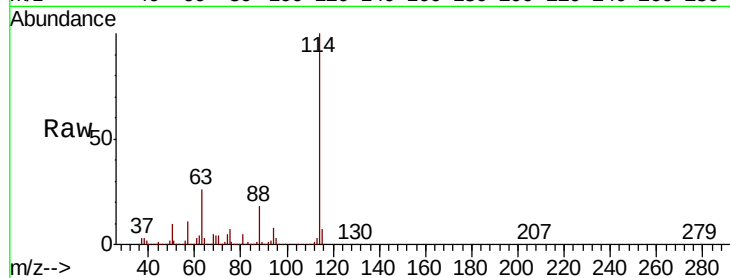
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Apr 2022 14:56 BD-INDOORDL

Tot Ion: 63 Resp: 821785

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	15.2	55.0	82.4#



#41

Tetrahydrofuran

Concen: 0.079 ppbv

RT: 6.10 min Scan# 1030

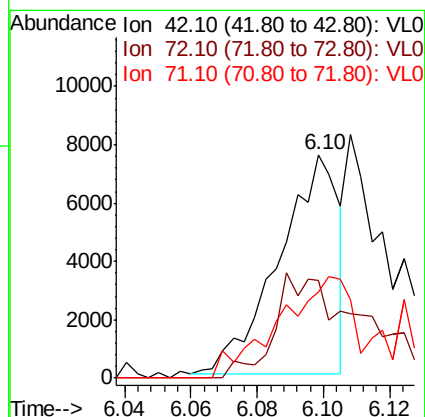
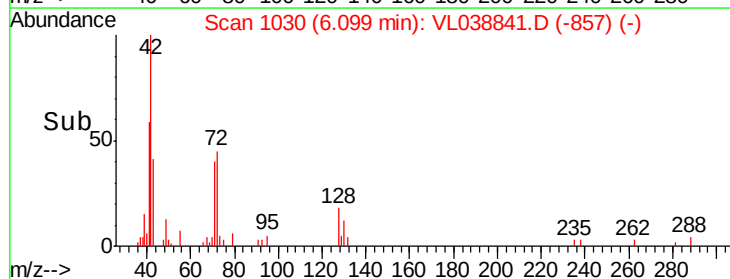
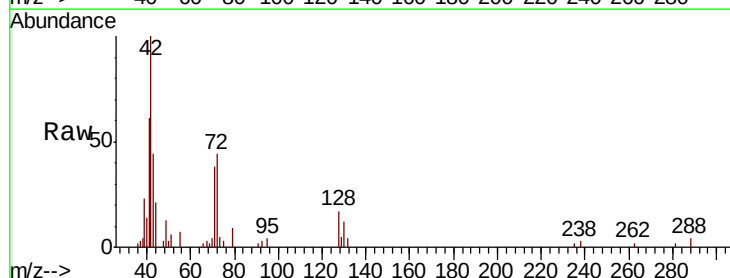
Delta R.T. 0.06 min

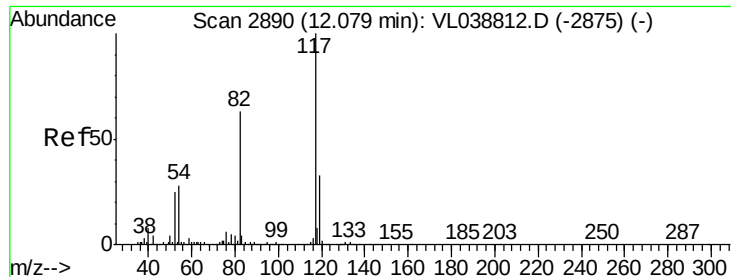
Lab File: VL038841.D

Acq: 7 Apr 2022 14:56

Tgt Ion: 42 Resp: 9384

Ion	Ratio	Lower	Upper
42	100		
72	80.6	31.4	47.0#
71	86.2	30.2	45.4#

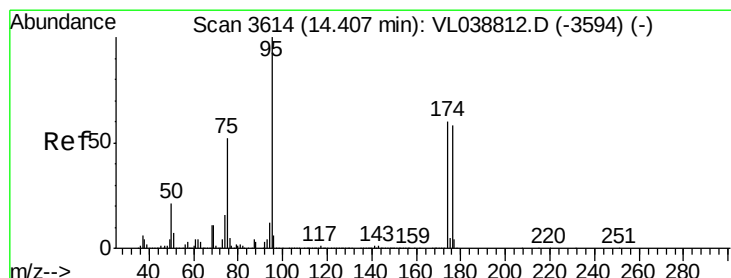
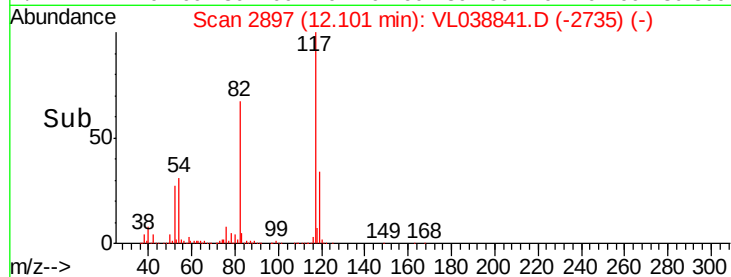
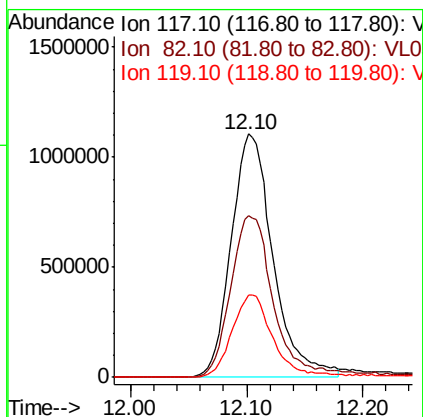
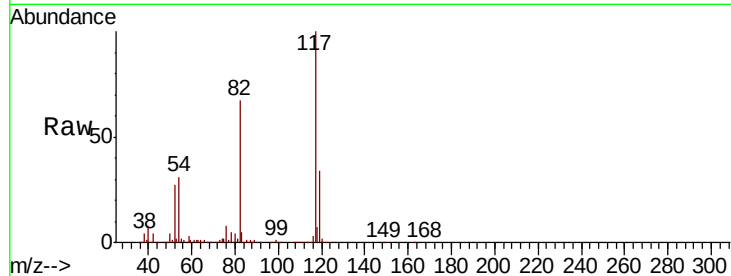




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Apr 2022 14:56

Tot Ion: 117 Resp: 2760598

Ion	Ratio	Lower	Upper
117	100		
82	72.0	53.0	79.6
119	34.3	24.9	37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.928 ppbv
RT: 14.43 min Scan# 3622
Delta R.T.: 0.03 min
Lab File: VL038841.D
Acq: 7 Apr 2022 14:56

Tgt Ion: 95 Resp: 2078835

Ion	Ratio	Lower	Upper
95	100		
174	65.7	52.0	78.0
175	4.8	4.0	6.0

