

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053450.D
 Acq On : 28 Mar 2023 22:09
 Operator : JC/MD
 Sample : 02085-01DL 4X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMB0DL

Quant Time: Mar 29 04:17:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 02:16:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

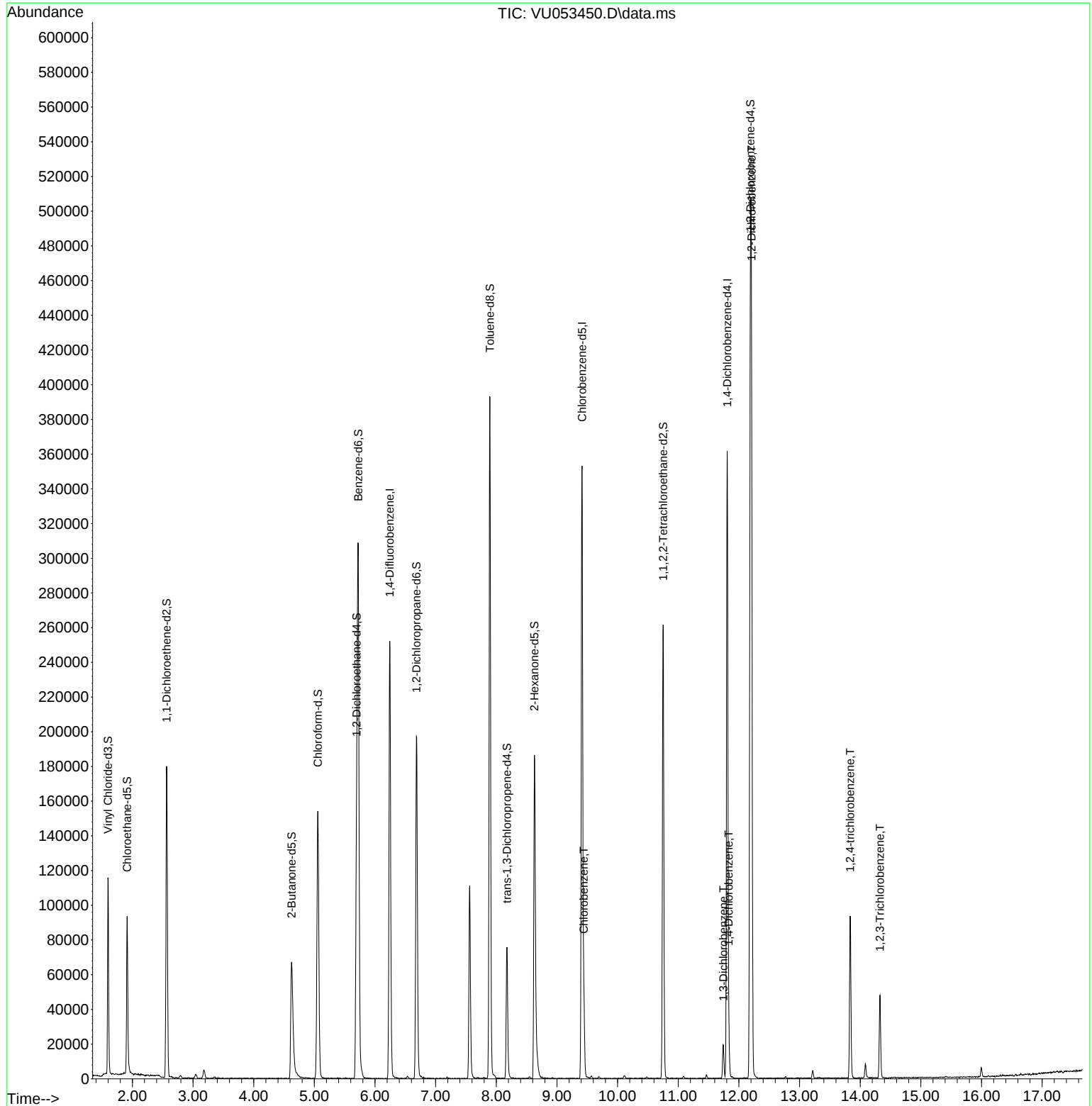
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	202933	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	193252	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	94397	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	82633	44.138	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.280%		
7) Chloroethane-d5	1.912	69	66900	44.177	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.360%		
11) 1,1-Dichloroethene-d2	2.565	63	105072	32.398	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.800%		
21) 2-Butanone-d5	4.623	46	108613	125.084	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	125.080%		
24) Chloroform-d	5.057	84	136052	44.121	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.240%		
26) 1,2-Dichloroethane-d4	5.697	65	93184	48.659	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.320%		
32) Benzene-d6	5.723	84	279522	44.594	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.180%		
36) 1,2-Dichloropropane-d6	6.684	67	95876	47.392	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.780%		
41) Toluene-d8	7.893	98	255817	43.835	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.680%		
43) trans-1,3-Dichloroprop...	8.176	79	42756	42.836	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.680%		
47) 2-Hexanone-d5	8.629	63	63529	100.445	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.450%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	128017	48.849	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.700%		
66) 1,2-Dichlorobenzene-d4	12.188	152	95739	52.380	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.760%		
Target Compounds						Qvalue
51) Chlorobenzene	9.443	112	23484	5.231	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	7961	2.545	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	8341	2.656	ug/L	88
67) 1,2-Dichlorobenzene	12.208	146	152160	48.669	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	28560	16.028	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	14579	8.627	ug/L	98

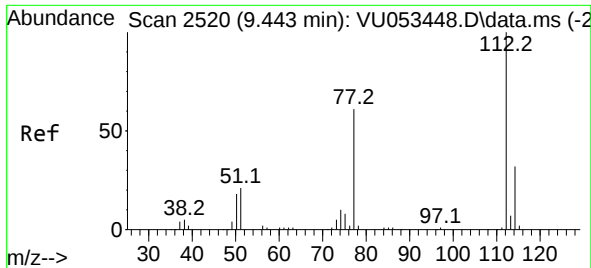
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Mar 29 02:16:14 2023
Response via : Initial Calibration

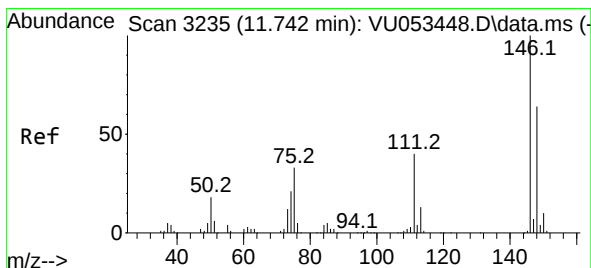
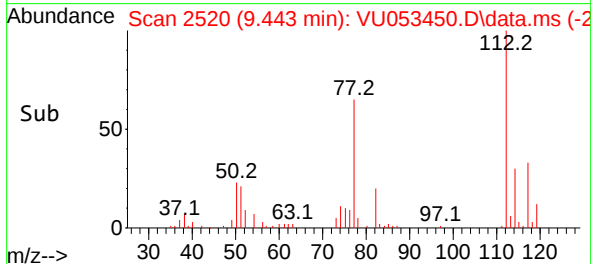
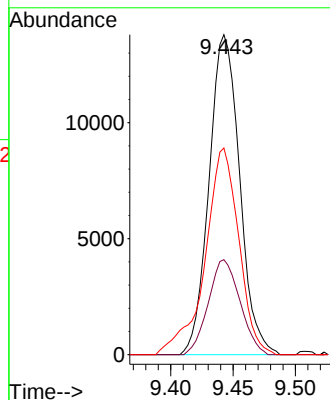
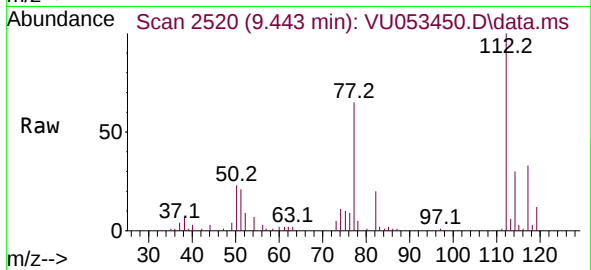




#51
Chlorobenzene
Concen: 5.231 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053450.D
Acq: 28 Mar 2023 22:09

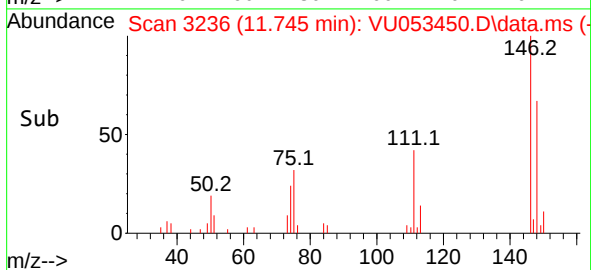
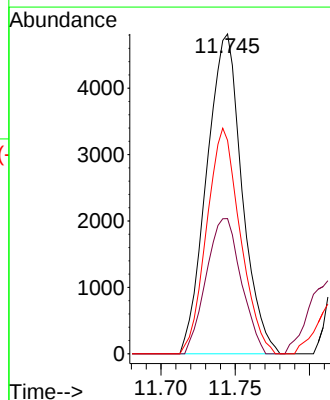
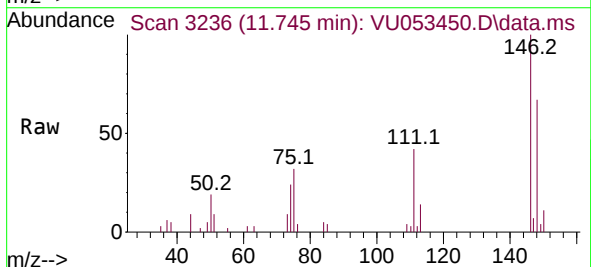
Instrument :
MSVOA_U
ClientSampleId :
COMB0DL

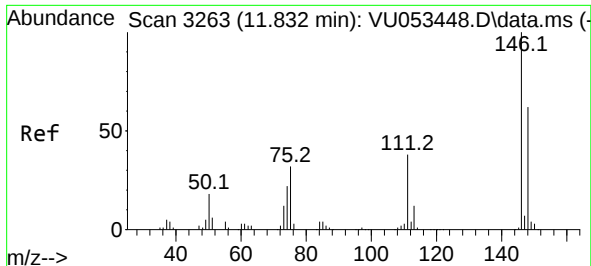
Tgt Ion:112 Resp: 23484
Ion Ratio Lower Upper
112 100
114 29.7 21.8 40.6
77 64.6 48.8 73.2



#64
1,3-Dichlorobenzene
Concen: 2.545 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053450.D
Acq: 28 Mar 2023 22:09

Tgt Ion:146 Resp: 7961
Ion Ratio Lower Upper
146 100
111 42.3 30.2 56.0
148 66.7 44.8 83.2





#65

1,4-Dichlorobenzene

Concen: 2.656 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU053450.D

Acq: 28 Mar 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

COMB0DL

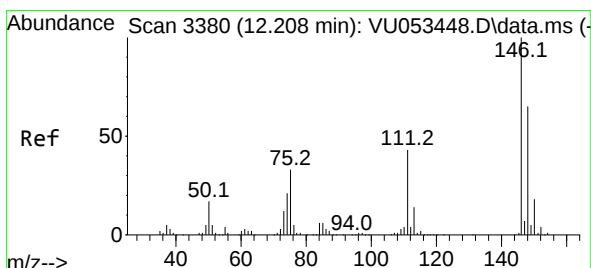
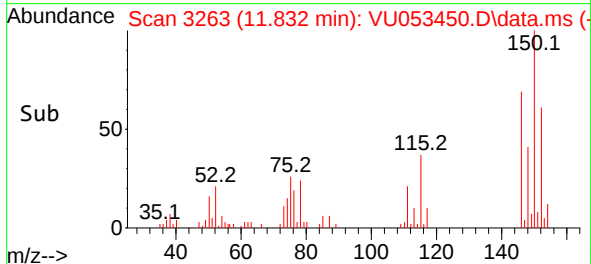
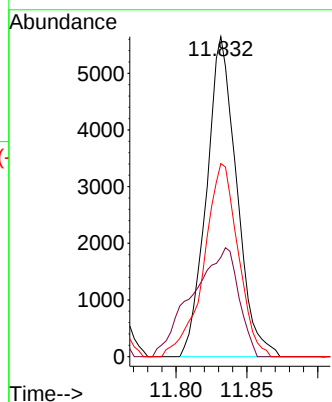
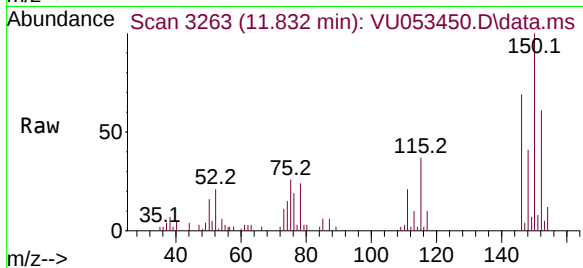
Tgt Ion:146 Resp: 8341

Ion Ratio Lower Upper

146 100

111 31.1 30.7 57.1

148 60.3 45.6 84.8



#67

1,2-Dichlorobenzene

Concen: 48.669 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053450.D

Acq: 28 Mar 2023 22:09

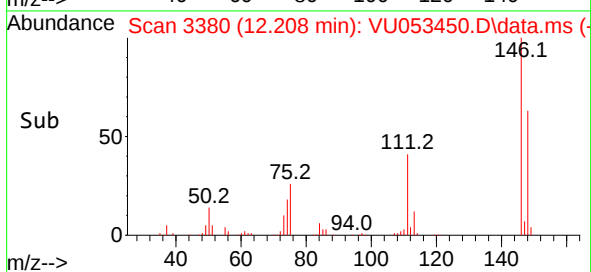
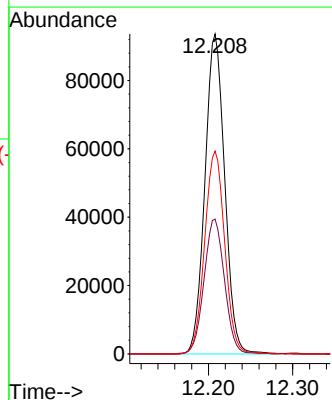
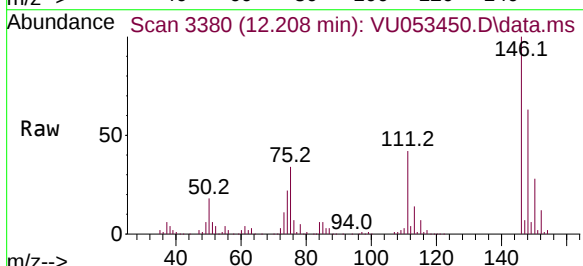
Tgt Ion:146 Resp: 152160

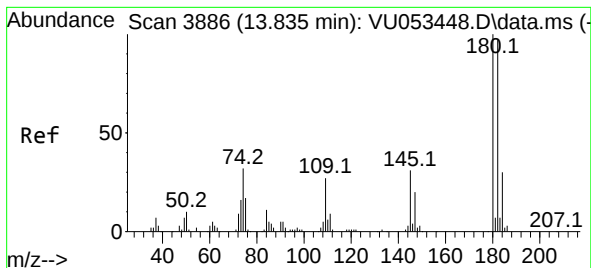
Ion Ratio Lower Upper

146 100

111 42.1 37.0 55.4

148 63.4 51.4 77.2





#70

1,2,4-trichlorobenzene

Concen: 16.028 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053450.D

Acq: 28 Mar 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

COMB0DL

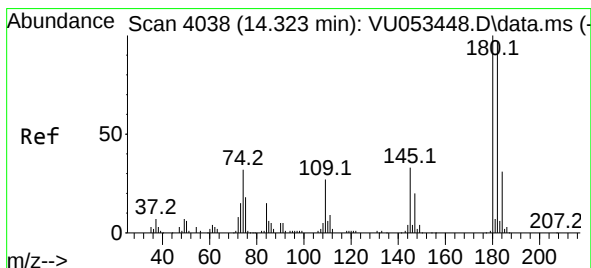
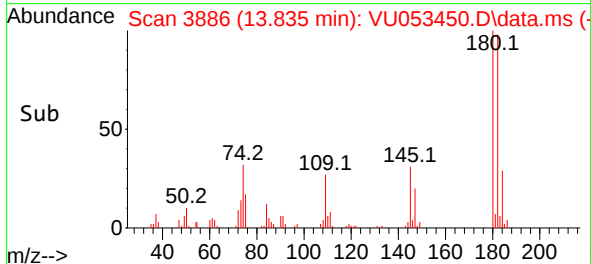
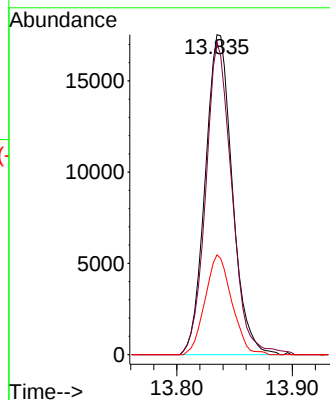
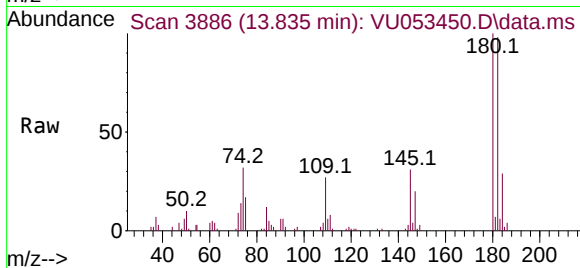
Tgt Ion:180 Resp: 28560

Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.8

145 30.5 27.2 40.8



#72

1,2,3-Trichlorobenzene

Concen: 8.627 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053450.D

Acq: 28 Mar 2023 22:09

Tgt Ion:180 Resp: 14579

Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

145 32.6 28.6 42.8

