

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042324\
 Data File : VV035368.D
 Acq On : 23 Apr 2024 18:15
 Operator : SY/MD
 Sample : P2158-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 23:31:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 23:26:51 2024
 Response via : Initial Calibration

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

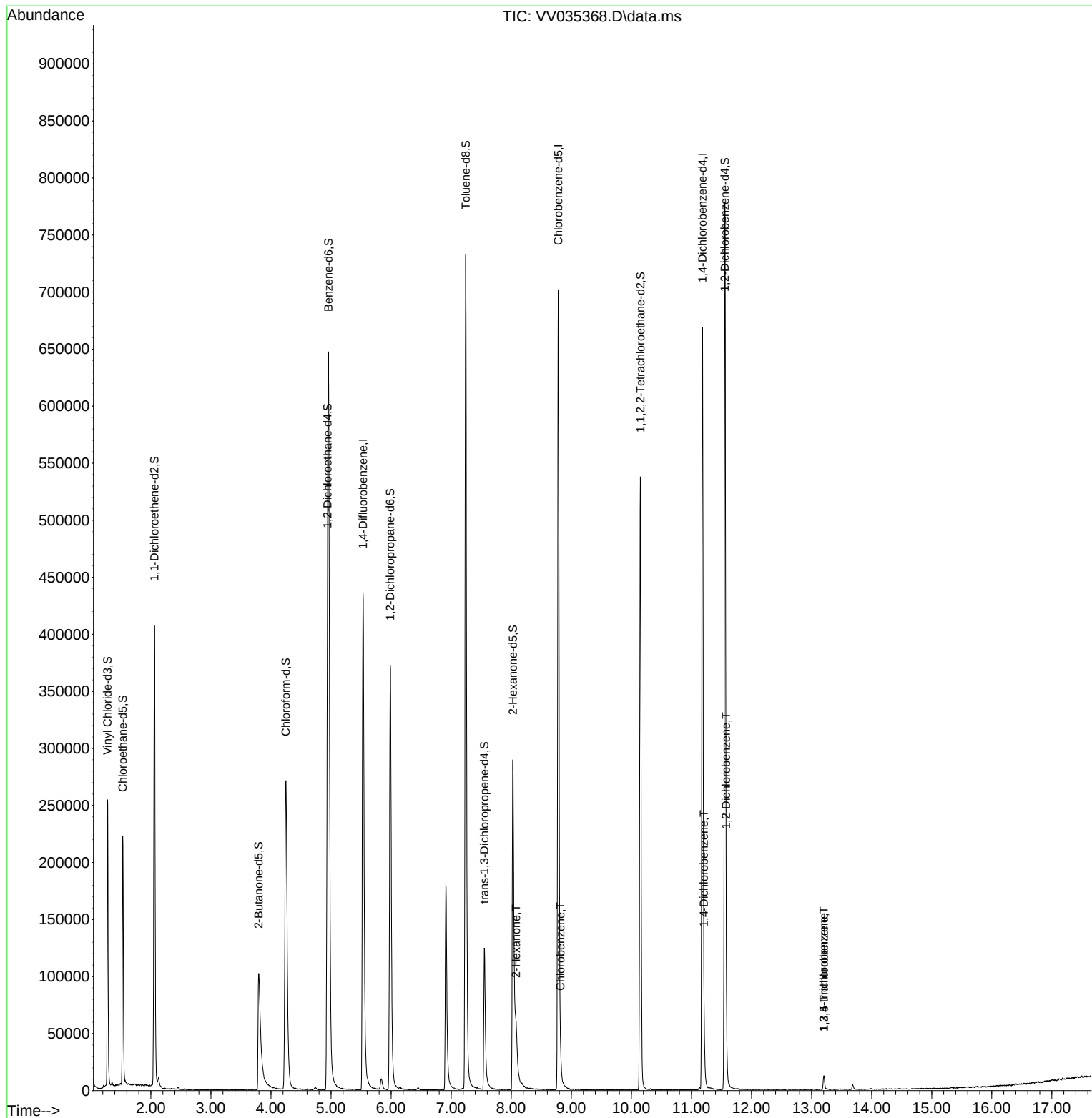
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	399865	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	402929	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	182899	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	166369	43.082	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.160%		
7) Chloroethane-d5	1.532	69	139542	41.603	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.200%		
11) 1,1-Dichloroethene-d2	2.060	65	69667	41.155	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.320%		
21) 2-Butanone-d5	3.796	46	194566	84.952	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.950%		
24) Chloroform-d	4.246	84	301875	46.494	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.980%		
26) 1,2-Dichloroethane-d4	4.940	65	188489	45.725	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.460%		
32) Benzene-d6	4.957	84	598445	44.216	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.440%		
36) 1,2-Dichloropropane-d6	5.985	67	194311	45.211	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.420%		
41) Toluene-d8	7.243	98	511284	41.946	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.900%		
43) trans-1,3-Dichloroprop...	7.551	79	81629	39.068	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.140%		
47) 2-Hexanone-d5	8.027	63	100075	61.586	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	61.590%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	265474	44.855	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.700%		
66) 1,2-Dichlorobenzene-d4	11.558	152	205169	49.962	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.920%		
Target Compounds						Qvalue
48) 2-Hexanone	8.082	43	37448	9.498	ug/L #	89
51) Chlorobenzene	8.818	112	13131	1.473	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	12587	2.009	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	11695	1.905	ug/L	97
69) 1,3,5-Trichlorobenzene	13.204	180	4677	1.053	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	4677	1.147	ug/L	97

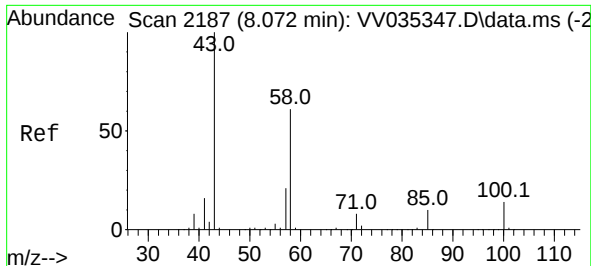
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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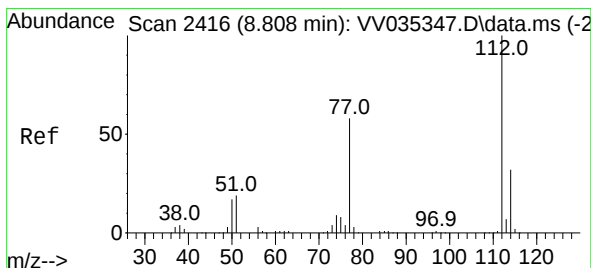
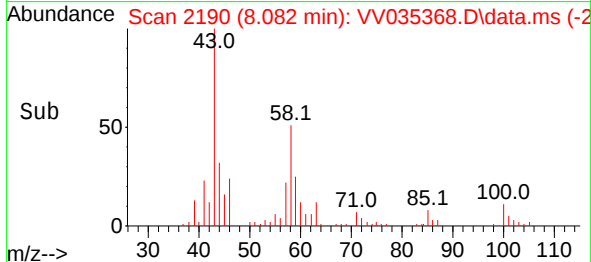
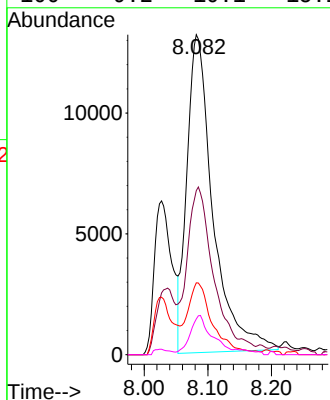
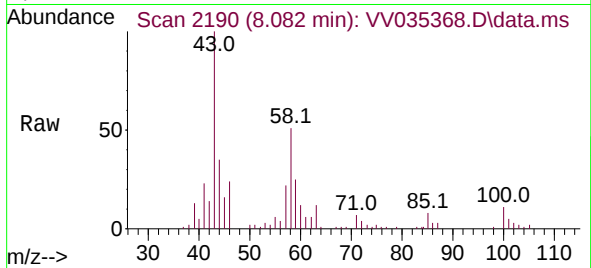




#48
2-Hexanone
Concen: 9.498 ug/L
RT: 8.082 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VV035368.D
Acq: 23 Apr 2024 18:15

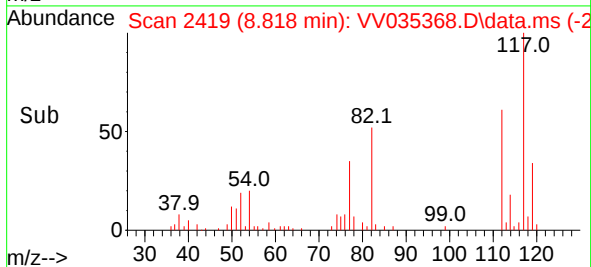
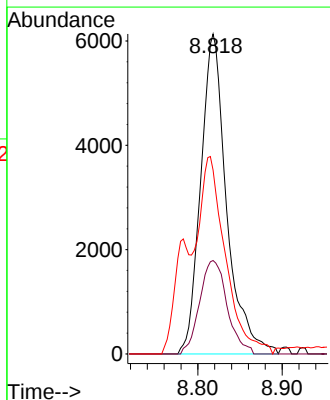
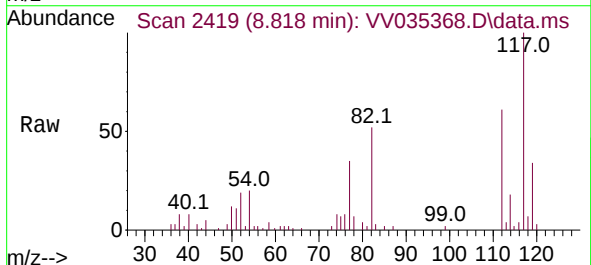
Instrument :
MSVOA_V
ClientSampleId :

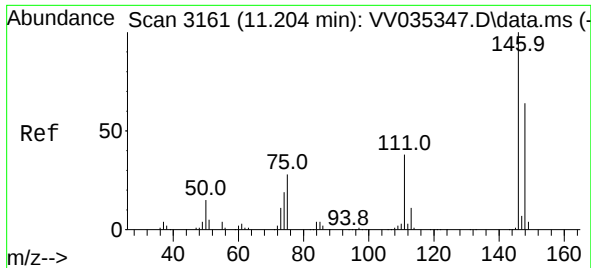
Tgt Ion: 43 Resp: 37448
Ion Ratio Lower Upper
43 100
58 45.1 45.4 68.2#
57 20.0 16.2 24.4
100 9.2 10.1 15.1#



#51
Chlorobenzene
Concen: 1.473 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.010 min
Lab File: VV035368.D
Acq: 23 Apr 2024 18:15

Tgt Ion: 112 Resp: 13131
Ion Ratio Lower Upper
112 100
114 29.2 22.0 41.0
77 57.5 47.4 71.2





#65

1,4-Dichlorobenzene

Concen: 2.009 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035368.D

Acq: 23 Apr 2024 18:15

Instrument :

MSVOA_V

ClientSampleId :

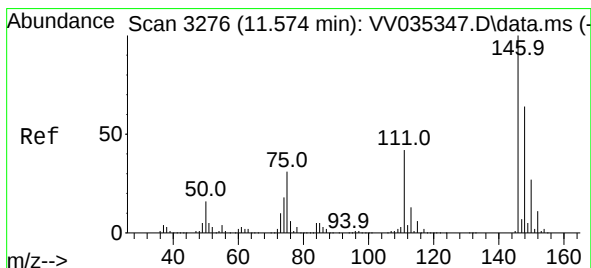
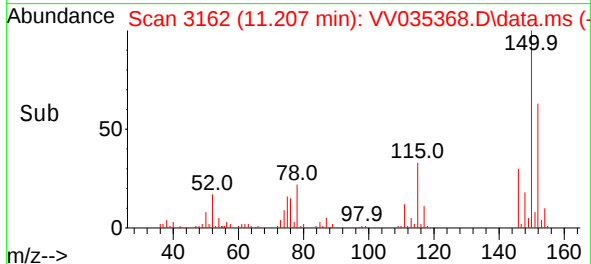
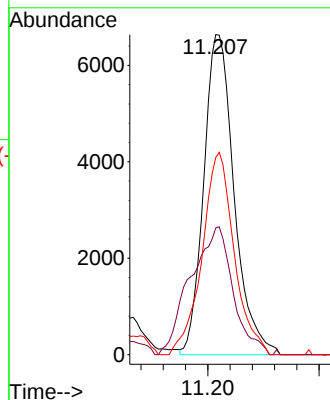
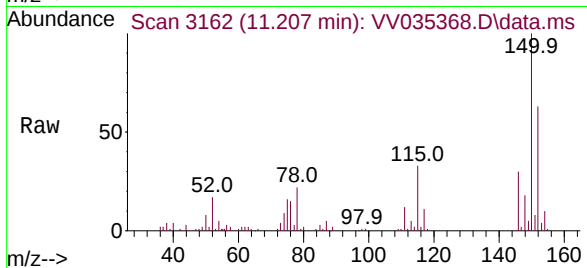
Tgt Ion:146 Resp: 12587

Ion Ratio Lower Upper

146 100

111 39.6 27.4 50.8

148 61.6 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 1.905 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035368.D

Acq: 23 Apr 2024 18:15

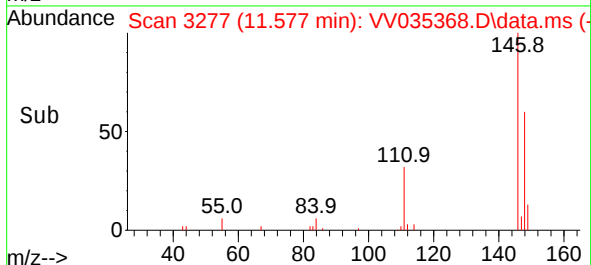
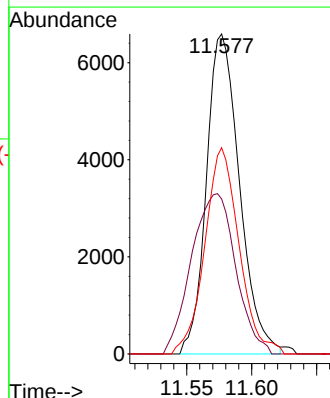
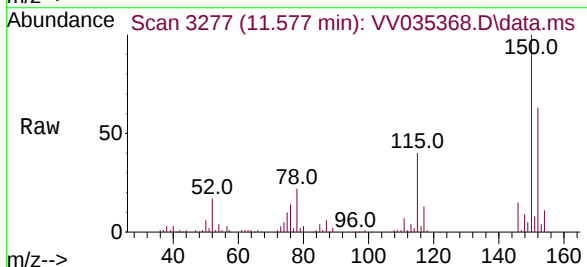
Tgt Ion:146 Resp: 11695

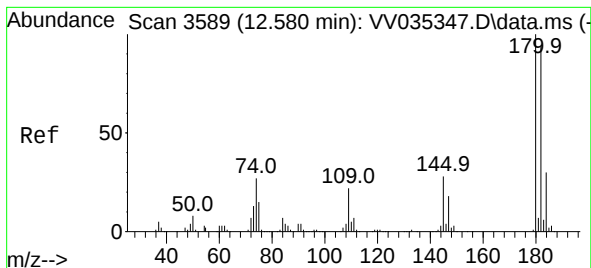
Ion Ratio Lower Upper

146 100

111 48.5 34.6 52.0

148 64.4 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 1.053 ug/L

RT: 13.204 min Scan# 31

Delta R.T. 0.624 min

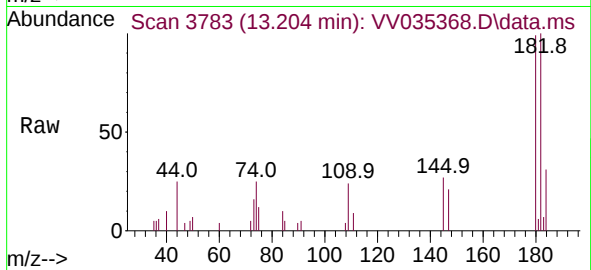
Lab File: VV035368.D

Acq: 23 Apr 2024 18:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 4677

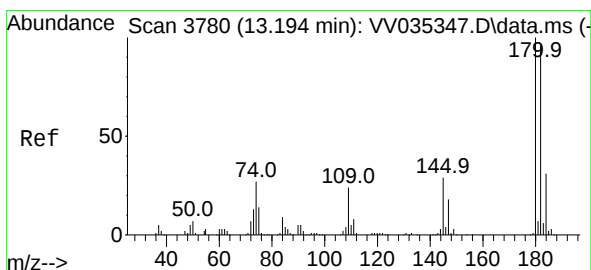
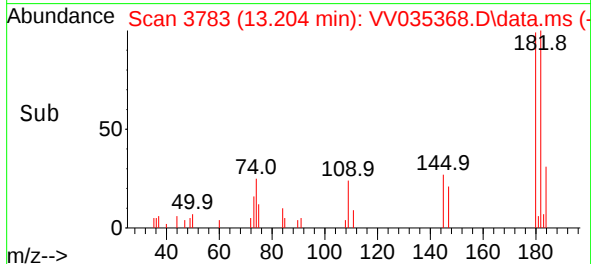
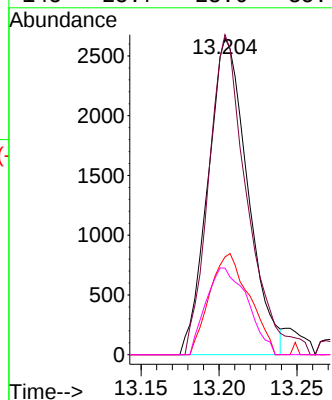
Ion Ratio Lower Upper

180 100

182 98.2 74.7 112.1

184 31.9 24.0 36.0

145 28.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 1.147 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.010 min

Lab File: VV035368.D

Acq: 23 Apr 2024 18:15

Tgt Ion:180 Resp: 4677

Ion Ratio Lower Upper

180 100

182 98.2 75.6 113.4

145 28.7 24.1 36.1

