

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042023\
 Data File : VU053802.D
 Acq On : 20 Apr 2023 13:35
 Operator : JC/MD
 Sample : 02340-19DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE20DL

Quant Time: Apr 21 04:20:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

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

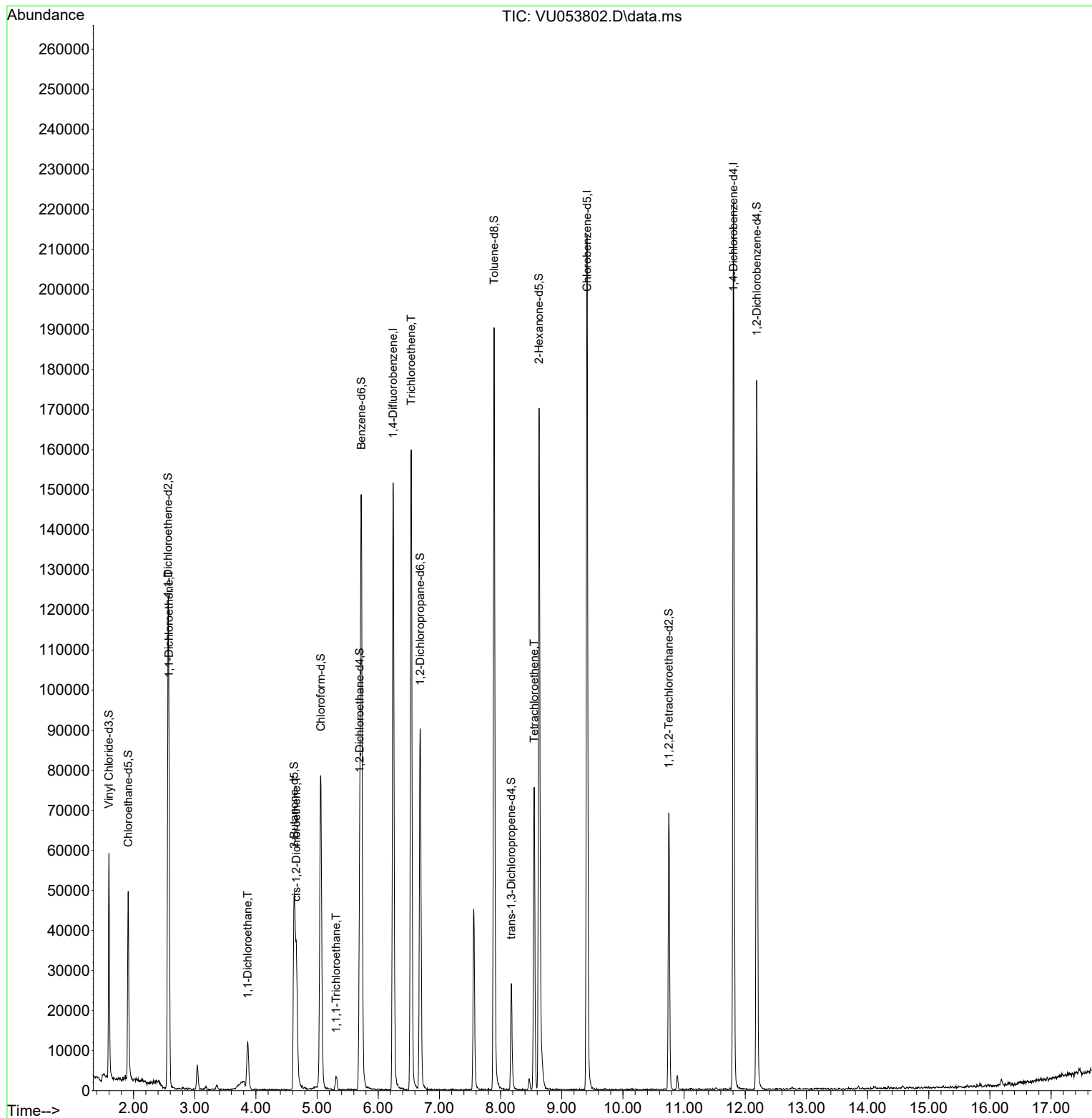
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	129711	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	125286	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	62131	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43649	4.892	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	97.800%	
7) Chloroethane-d5	1.912	69	35367	4.367	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	87.400%	
11) 1,1-Dichloroethene-d2	2.562	65	16898	4.445	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	89.000%	
20) 2-Butanone-d5	4.626	46	72914	35.668	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	71.340%	
24) Chloroform-d	5.060	84	73875	4.466	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.400%	
26) 1,2-Dichloroethane-d4	5.697	65	35578	4.197	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.000%	
32) Benzene-d6	5.722	84	149567	4.212	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.200%	
36) 1,2-Dichloropropane-d6	6.687	67	45803	4.233	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	84.600%	
41) Toluene-d8	7.896	98	135968	4.059	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	81.200%	
43) trans-1,3-Dichloroprop...	8.176	79	15995	3.853	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	77.000%	
46) 2-Hexanone-d5	8.629	63	60749	36.023	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	72.040%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	34983	3.885	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	77.600%	
66) 1,2-Dichlorobenzene-d4	12.188	152	48980	4.382	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	87.600%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	19531	2.659	ug/L	85
19) 1,1-Dichloroethane	3.864	63	14490	1.031	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	14443	1.405	ug/L	92
29) 1,1,1-Trichloroethane	5.311	97	2728	0.221	ug/L #	82
34) Trichloroethene	6.539	95	56900	6.365	ug/L	95
47) Tetrachloroethene	8.549	164	17142	2.610	ug/L	96

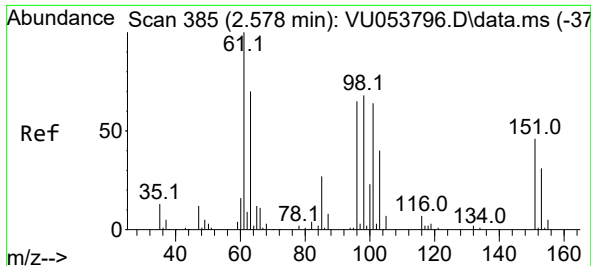
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 2.659 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU053802.D

Acq: 20 Apr 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

BHE20DL

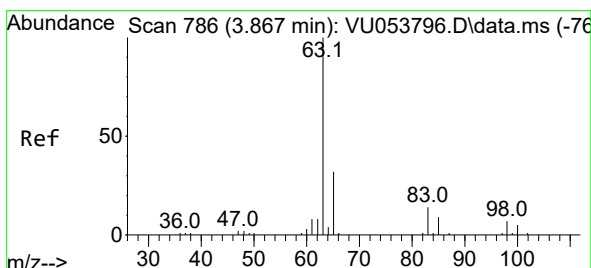
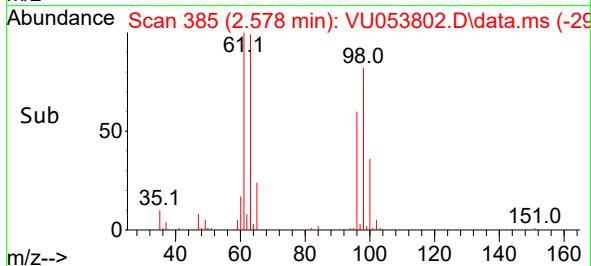
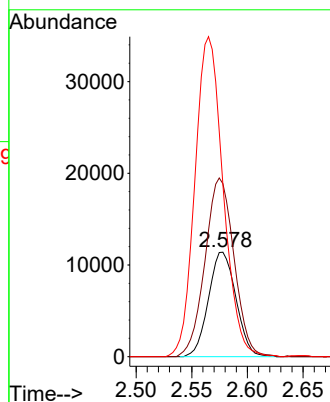
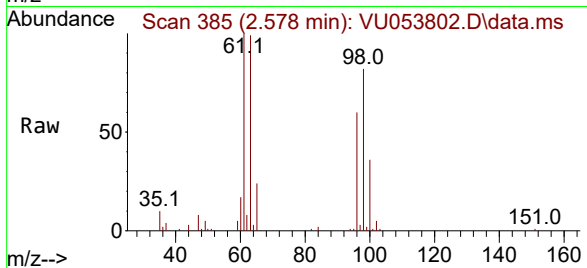
Tgt Ion: 96 Resp: 19531

Ion Ratio Lower Upper

96 100

61 165.5 116.8 216.8

63 164.4 88.6 164.6



#19

1,1-Dichloroethane

Concen: 1.031 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU053802.D

Acq: 20 Apr 2023 13:35

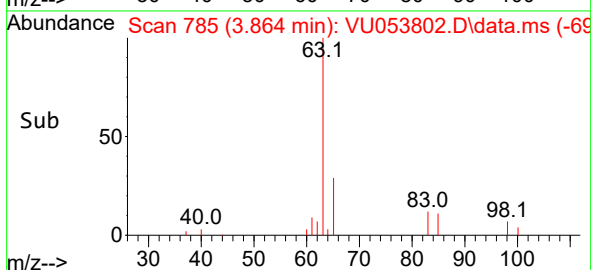
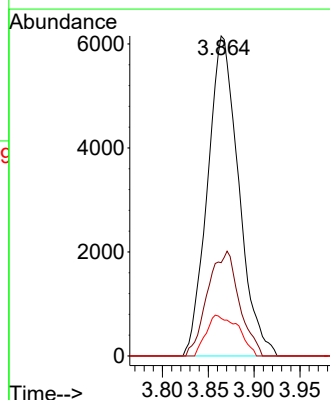
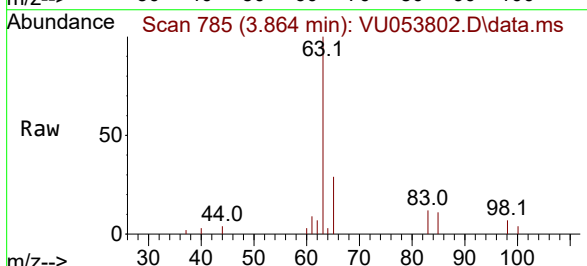
Tgt Ion: 63 Resp: 14490

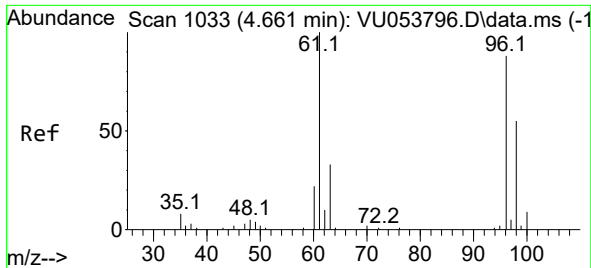
Ion Ratio Lower Upper

63 100

65 29.1 21.7 40.3

83 11.8 8.1 15.1

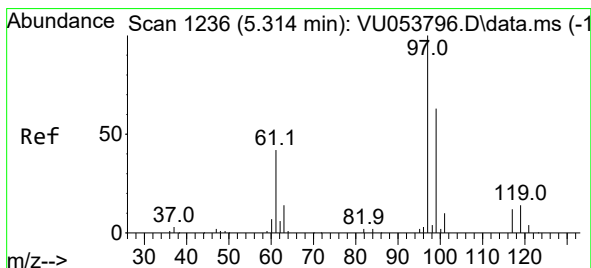
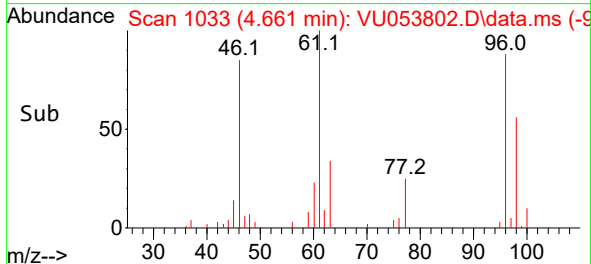
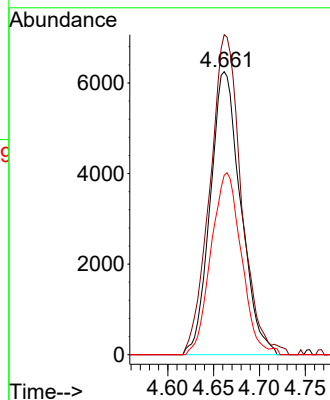
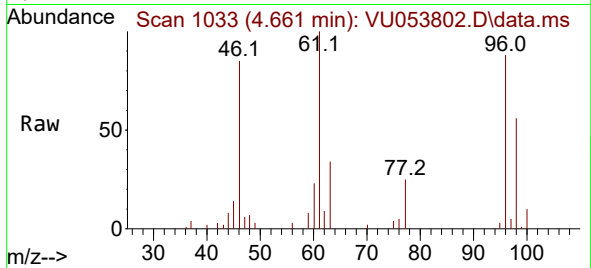




#22
 cis-1,2-Dichloroethene
 Concen: 1.405 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU053802.D
 Acq: 20 Apr 2023 13:35

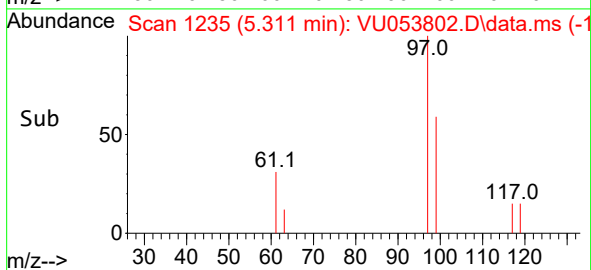
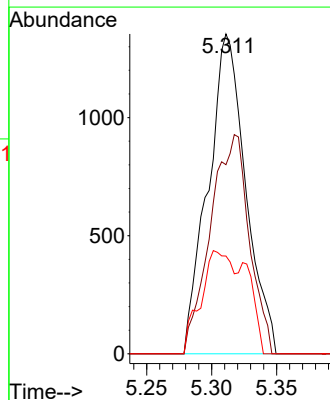
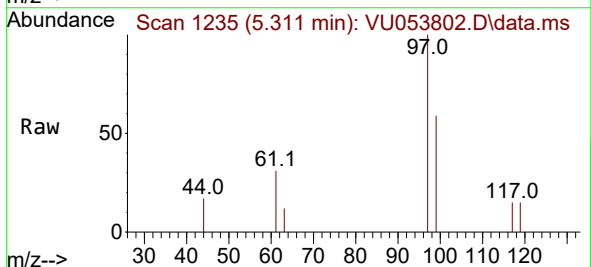
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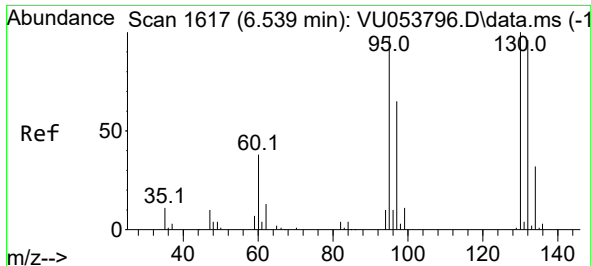
Tgt Ion: 96 Resp: 14443
 Ion Ratio Lower Upper
 96 100
 61 113.1 86.6 160.8
 98 63.5 47.7 88.5



#29
 1,1,1-Trichloroethane
 Concen: 0.221 ug/L
 RT: 5.311 min Scan# 1235
 Delta R.T. -0.000 min
 Lab File: VU053802.D
 Acq: 20 Apr 2023 13:35

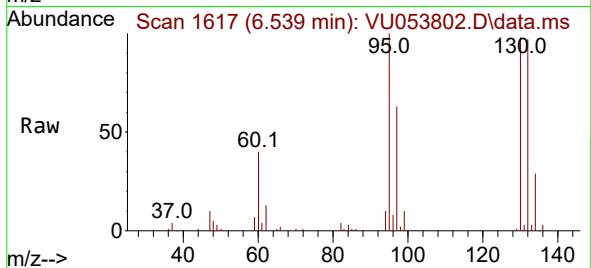
Tgt Ion: 97 Resp: 2728
 Ion Ratio Lower Upper
 97 100
 99 70.8 49.9 74.9
 61 26.8 35.7 53.5#





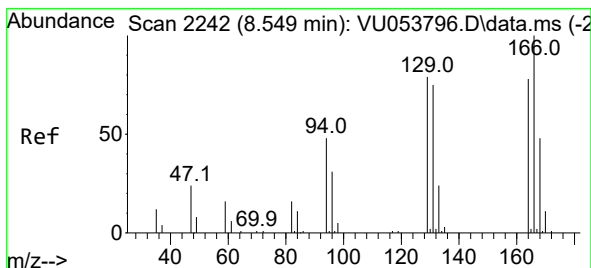
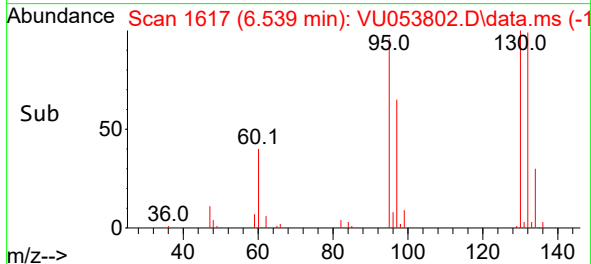
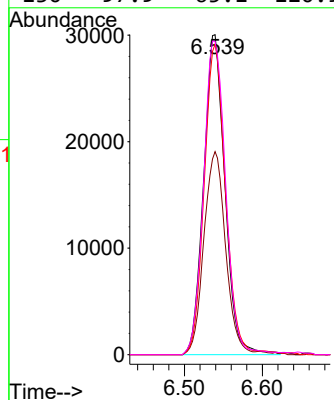
#34
Trichloroethene
Concen: 6.365 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Instrument :
MSVOA_U
ClientSampleId :
BHE20DL



Tgt Ion: 95 Resp: 56900

Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.3	84.1
132	97.1	62.8	116.6
130	97.9	65.1	120.9



#47
Tetrachloroethene
Concen: 2.610 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Tgt Ion: 164 Resp: 17142

Ion	Ratio	Lower	Upper
164	100		
129	97.9	74.8	138.8
131	99.5	70.1	130.1
166	128.4	87.3	162.1

