

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033756.D
 Acq On : 11 Aug 2019 16:45
 Operator : JC/SP
 Sample : K4289-11RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B35RE

Quant Time: Aug 12 06:53:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 04:45:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	288448	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	290130	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	132561	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68152	32.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.20%
7) Chloroethane-d5	1.67	69	69592	32.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.40%#
11) 1,1-Dichloroethene-d2	2.26	63	89393	25.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.08%#
21) 2-Butanone-d5	4.14	46	196899	149.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	149.58%#
24) Chloroform-d	4.62	84	162953	51.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.30%
26) 1,2-Dichloroethane-d4	5.29	65	109253	55.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.78%
32) Benzene-d6	5.32	84	277260	40.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.98%
36) 1,2-Dichloropropane-d6	6.31	67	104606	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.56%
41) Toluene-d8	7.55	98	219572	34.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.18%#
43) trans-1,3-Dichloropropene-	7.83	79	44802	42.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.44%
47) 2-Hexanone-d5	8.29	63	139691	128.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.35%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	196860	63.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	126.66%#
64) 1,2-Dichlorobenzene-d4	11.84	152	119118	53.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.78%

Target Compounds

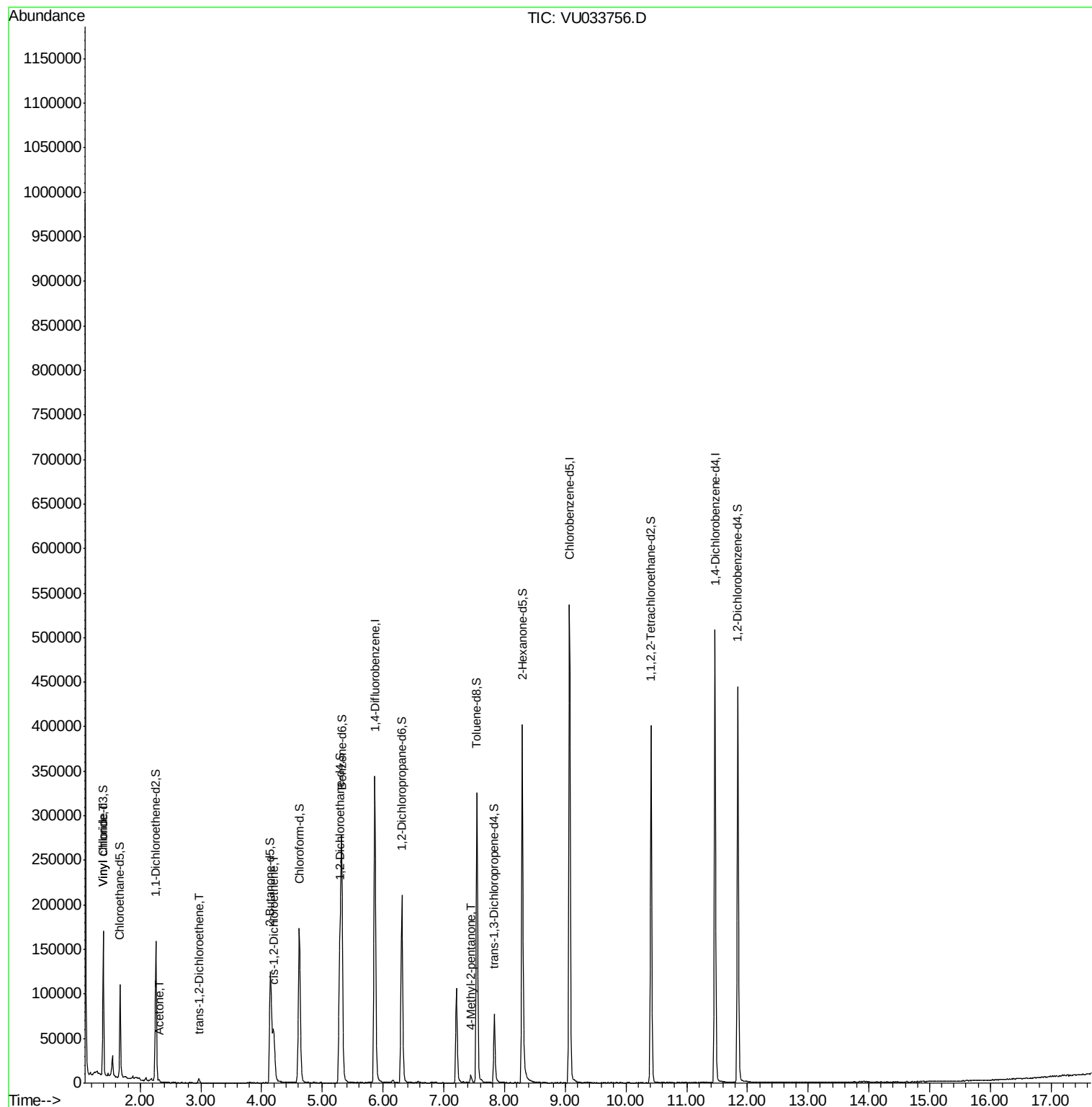
					Ovalue
5) Vinyl chloride	1.40	62	40172	16.544	ug/L 99
13) Acetone	2.31	43	2277	1.720	ug/L 93
17) trans-1,2-Dichloroethene	2.96	96	1859	1.023	ug/L 97
20) cis-1,2-Dichloroethene	4.20	96	29768	14.356	ug/L 98
40) 4-Methyl-2-pentanone	7.45	43	6641	2.072	ug/L # 90

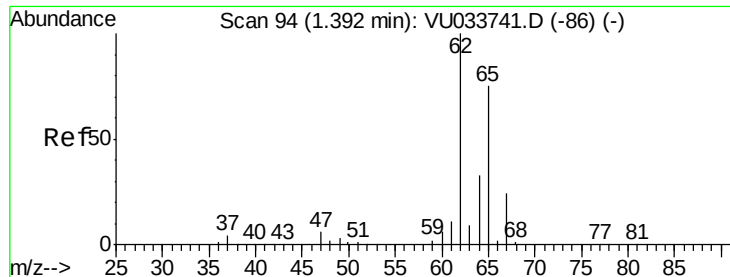
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
Data File : VU033756.D
Acq On : 11 Aug 2019 16:45
Operator : JC/SP
Sample : K4289-11RE
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B35RE

Quant Time: Aug 12 06:53:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 04:45:27 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 16.544 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033756.D

Acq: 11 Aug 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

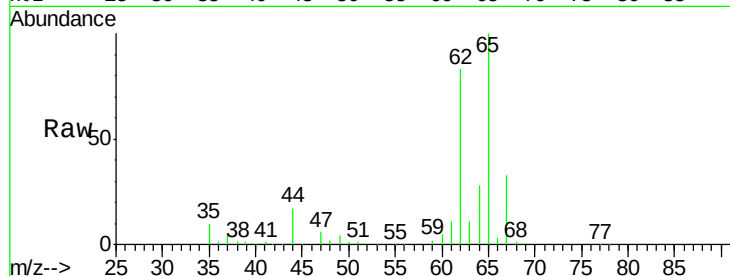
F2B35RE

Tot Ion: 62 Resp: 40172

Ion Ratio Lower Upper

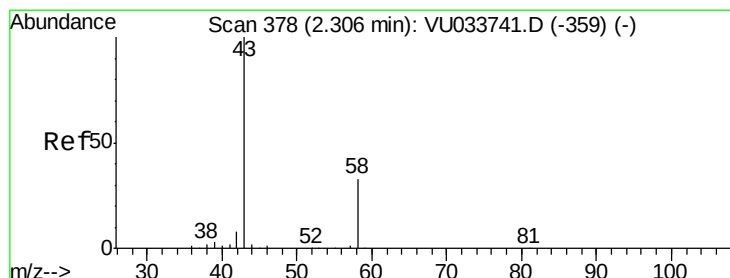
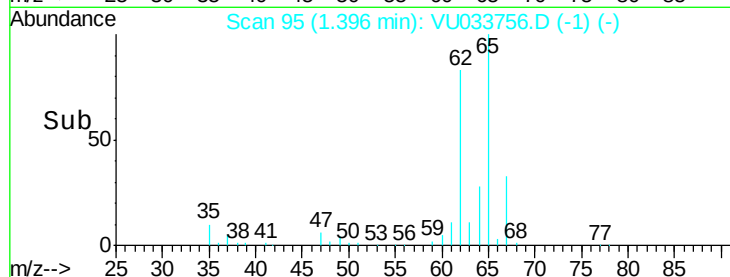
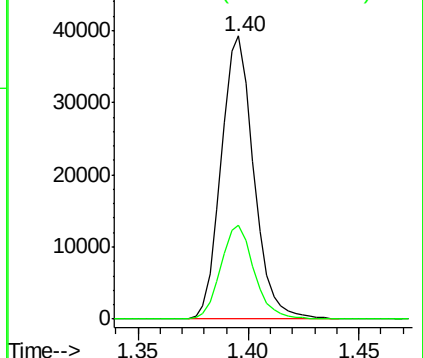
62 100

64 33.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 1.720 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033756.D

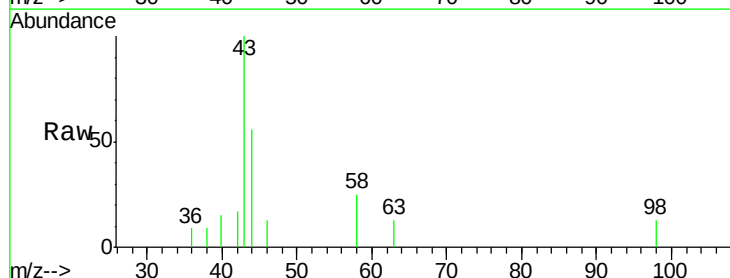
Acq: 11 Aug 2019 16:45

Tgt Ion: 43 Resp: 2277

Ion Ratio Lower Upper

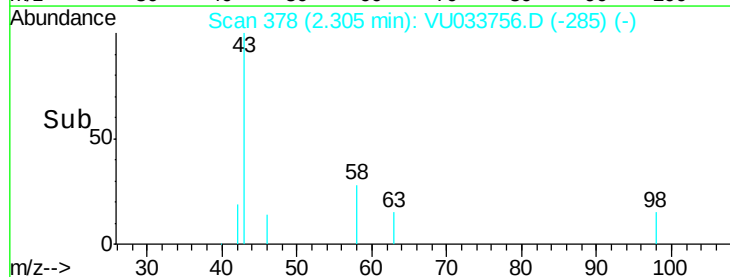
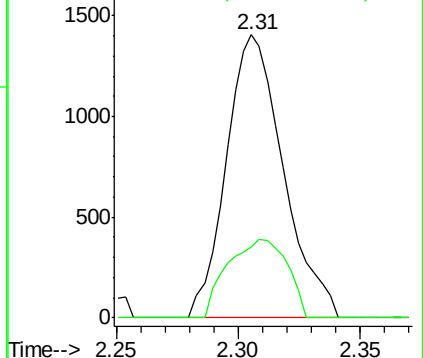
43 100

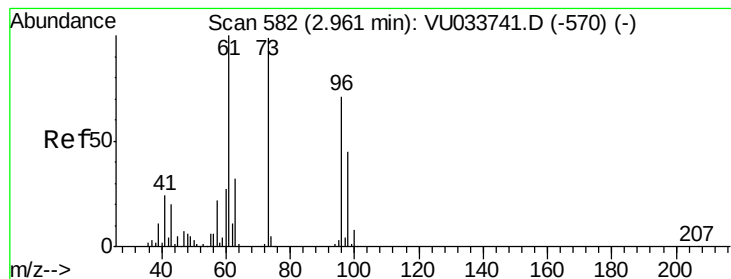
58 29.1 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 1.023 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033756.D

Acq: 11 Aug 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

F2B35RE

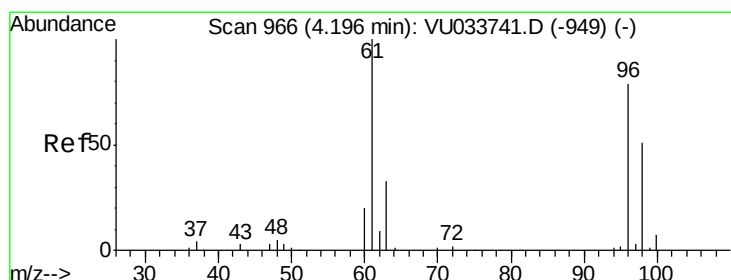
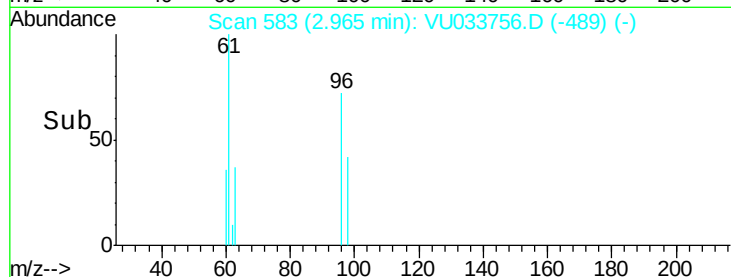
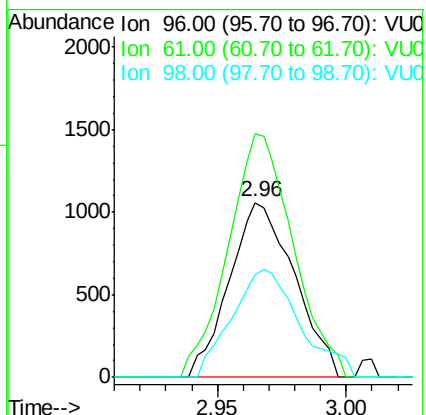
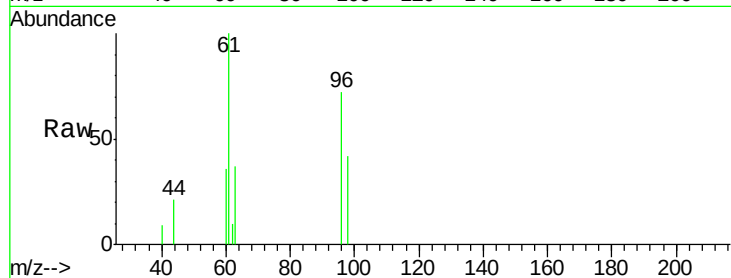
Tot Ion: 96 Resp: 1859

Ion Ratio Lower Upper

96 100

61 139.0 95.6 177.6

98 58.6 44.6 82.8



#20

cis-1,2-Dichloroethene

Concen: 14.356 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033756.D

Acq: 11 Aug 2019 16:45

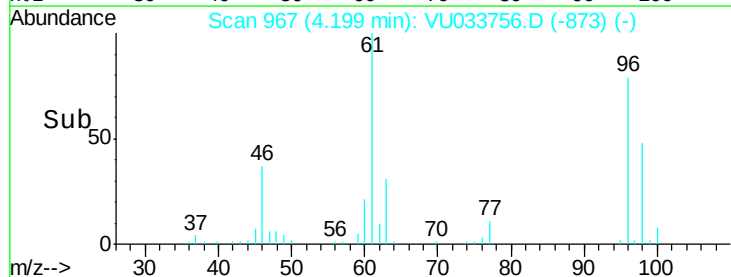
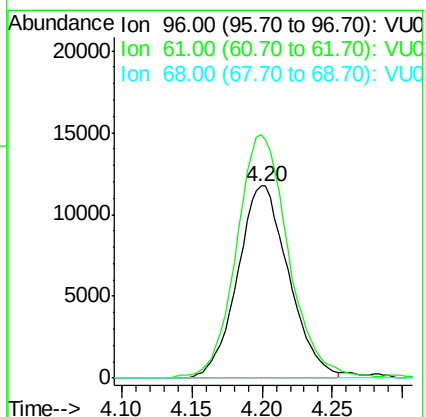
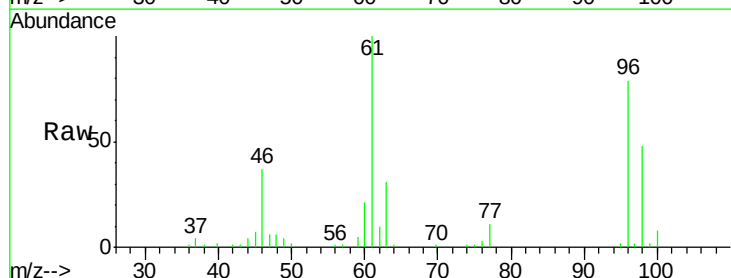
Tgt Ion: 96 Resp: 29768

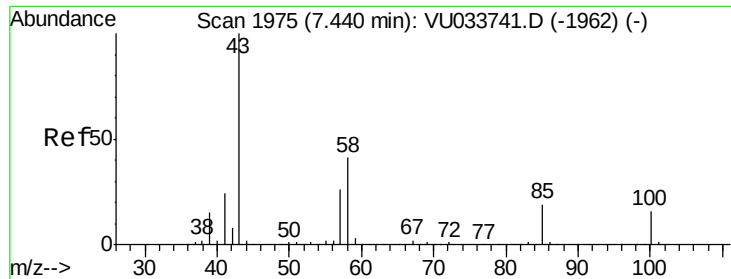
Ion Ratio Lower Upper

96 100

61 126.6 87.0 161.6

68 0.0 0.0 0.0





#40
 4-Methyl-2-pentanone
 Concen: 2.072 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033756.D
 Acq: 11 Aug 2019 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B35RE

Tot Ion: 43 Resp: 6641
 Ion Ratio Lower Upper
 43 100
 58 36.5 33.4 50.0
 100 11.0 13.2 19.8#

