

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025963.D
 Acq On : 08 Aug 2018 01:45
 Operator : MD/SY
 Sample : J4361-21
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA3

Quant Time: Aug 08 07:12:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303515	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	279144	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	119042	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82426	49.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.02%
7) Chloroethane-d5	1.68	69	65127	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.26%
11) 1,1-Dichloroethene-d2	2.27	63	120892	37.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.22%
21) 2-Butanone-d5	4.18	46	129504	111.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.90%
24) Chloroform-d	4.65	84	169207	51.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.94%
26) 1,2-Dichloroethane-d4	5.31	65	115130	53.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.14%
32) Benzene-d6	5.35	84	328008	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
36) 1,2-Dichloropropane-d6	6.34	67	105396	55.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.18%
41) Toluene-d8	7.57	98	300868	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.85	79	48036	47.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.78%
47) 2-Hexanone-d5	8.31	63	86004	108.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.03%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	139915	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	113365	57.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.30%

Target Compounds

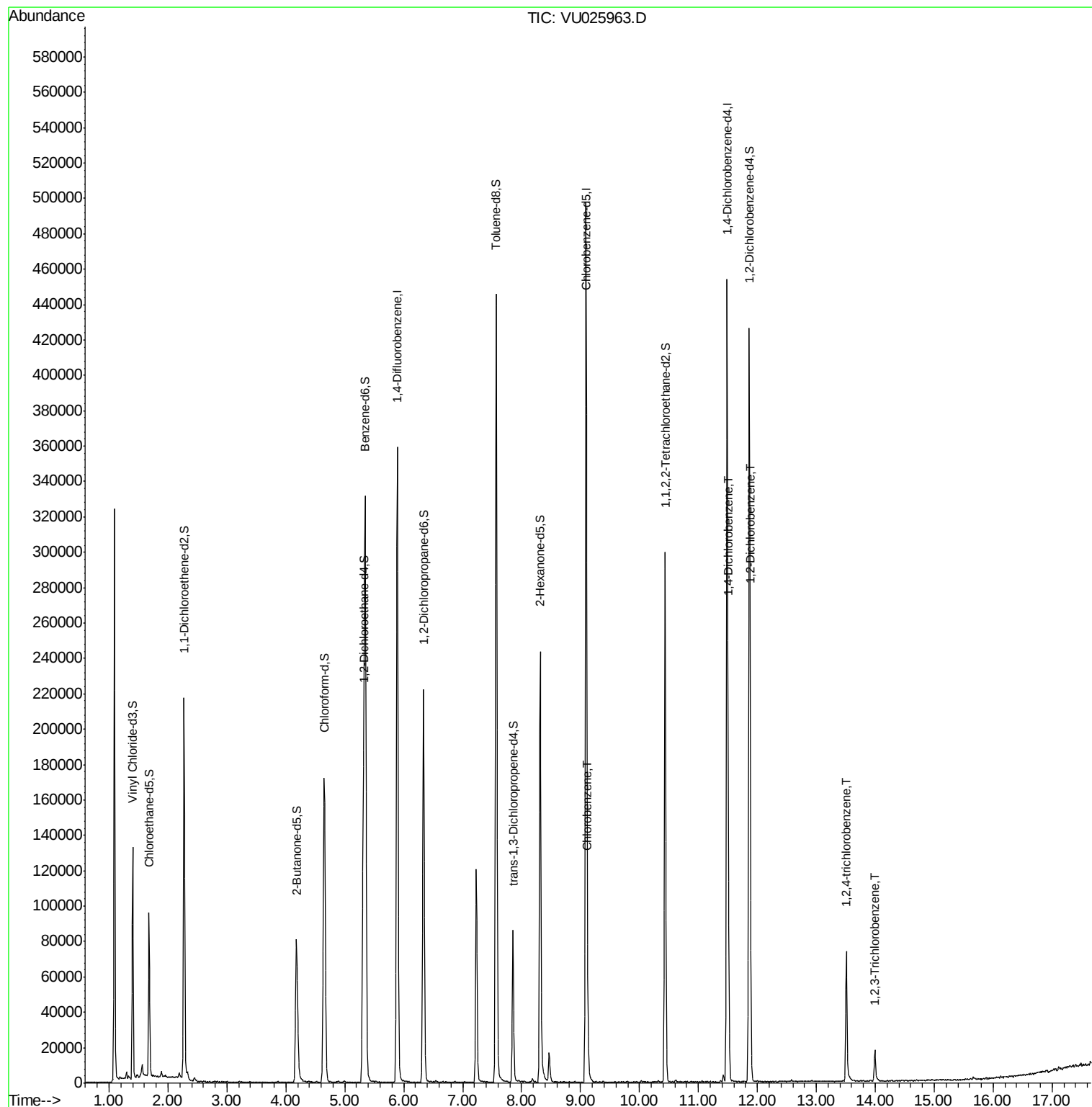
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.12	112	15331	2.81	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	22537	6.21	ug/L	95
65) 1,2-Dichlorobenzene	11.89	146	19033	5.33	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	25265	11.09	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	6922	2.97	ug/L	97

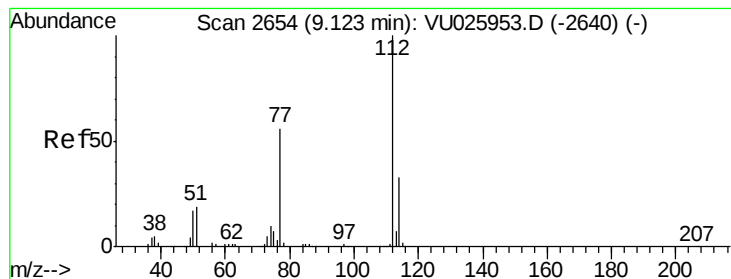
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080718\
Data File : VU025963.D
Acq On : 08 Aug 2018 01:45
Operator : MD/SY
Sample : J4361-21
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A4ZA3

Quant Time: Aug 08 07:12:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 08 06:47:05 2018
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 2.81 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

A4ZA3

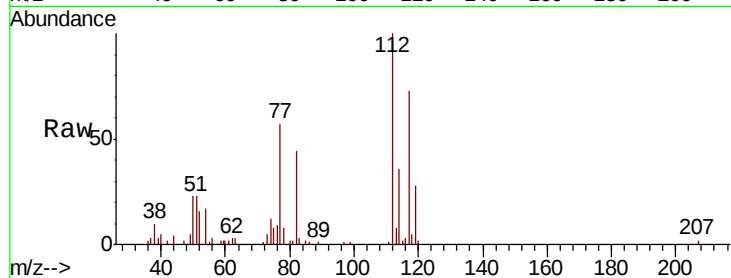
Tot Ion:112 Resp: 15331

Ion Ratio Lower Upper

112 100

114 35.8 22.9 42.5

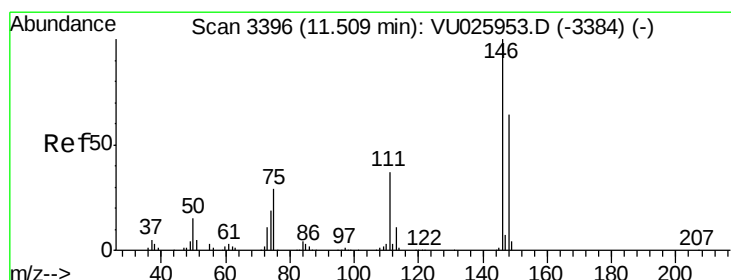
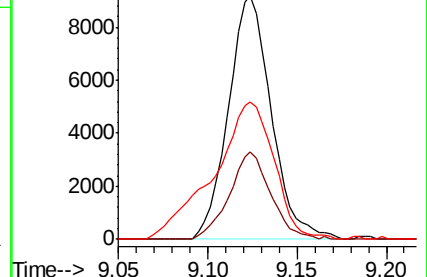
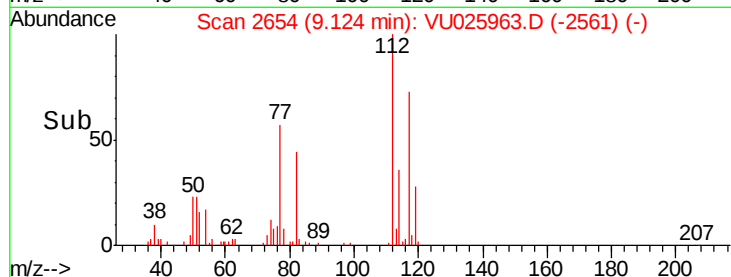
77 56.6 46.6 70.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#63

1,4-Dichlorobenzene

Concen: 6.21 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

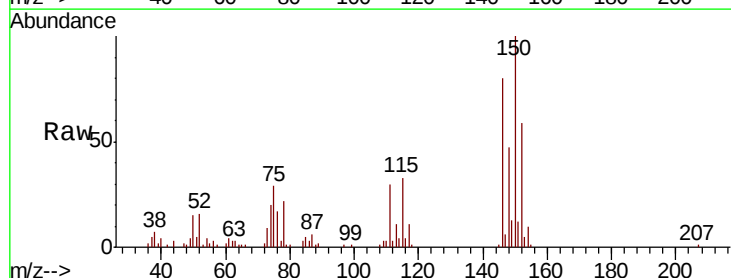
Tgt Ion:146 Resp: 22537

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

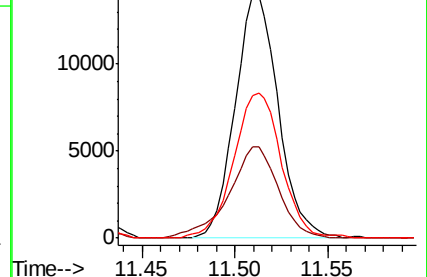
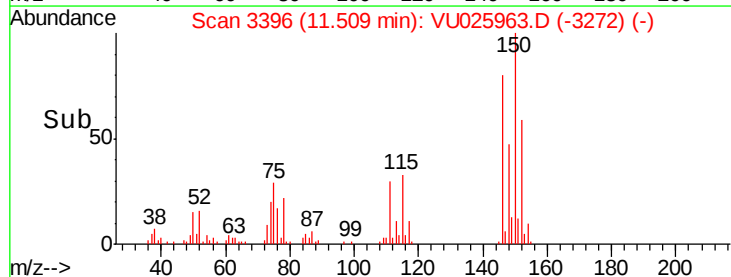
148 58.4 45.2 84.0

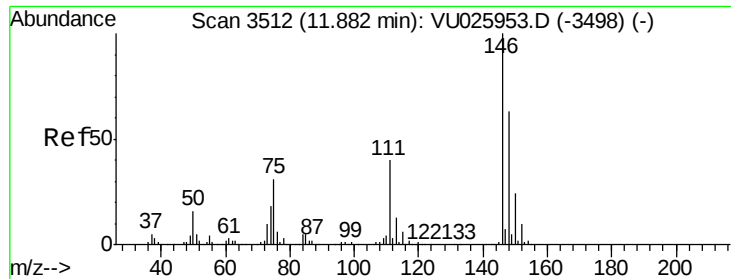


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.33 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

A4ZA3

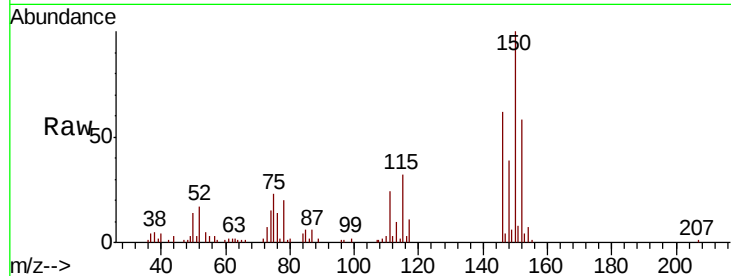
Tot Ion:146 Resp: 19033

Ion Ratio Lower Upper

146 100

111 38.0 33.4 50.0

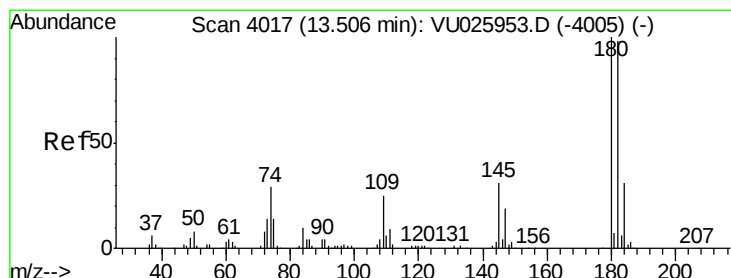
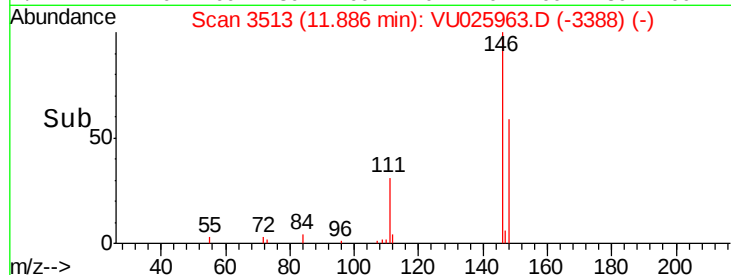
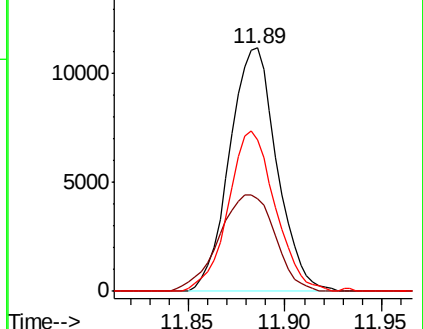
148 62.5 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

15000 Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 11.09 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

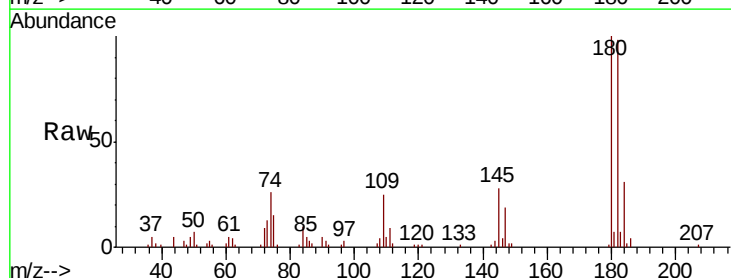
Tgt Ion:180 Resp: 25265

Ion Ratio Lower Upper

180 100

182 97.6 75.3 112.9

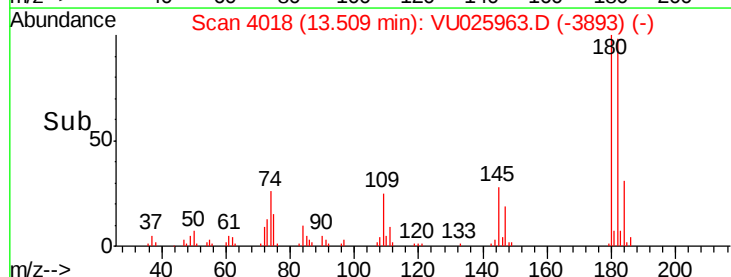
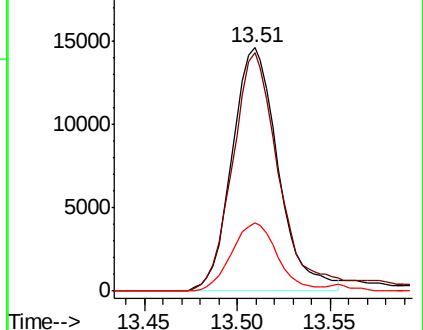
145 27.8 23.1 34.7

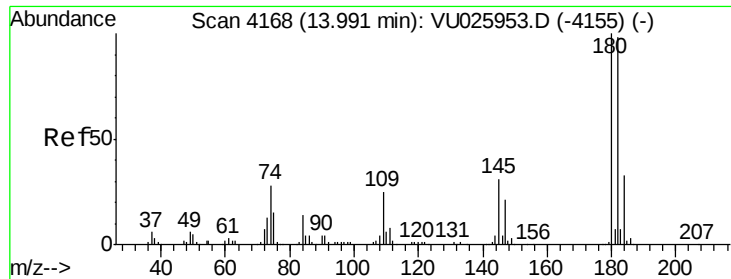


Abundance Ion 180.00 (179.70 to 180.70): V

20000 Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 2.97 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU025963.D
 Acq: 08 Aug 2018 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA3

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.6	116.4
145	27.7	25.3	37.9

