

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014696.D
 Acq On : 24 Jan 2020 14:44
 Operator : JC/SP
 Sample : L1222-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SH-BC

Quant Time: Jan 24 22:53:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	69402	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	368688	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	326155	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	151999	31.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.87%
60) 4-Bromofluorobenzene	11.13	95	142025	27.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.70%
63) Toluene-d8	8.71	98	440347	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

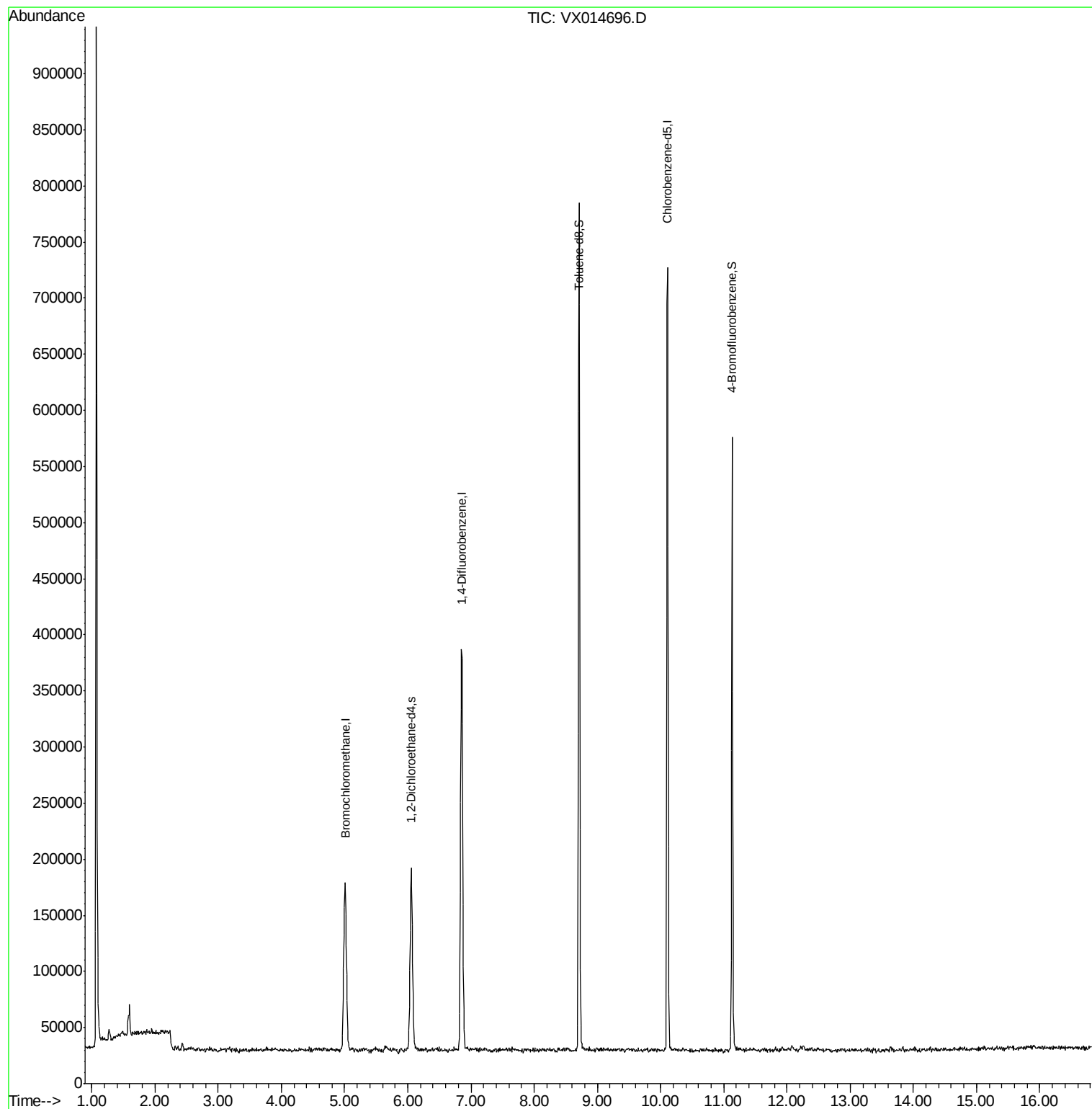
Target Compounds	Ovalue

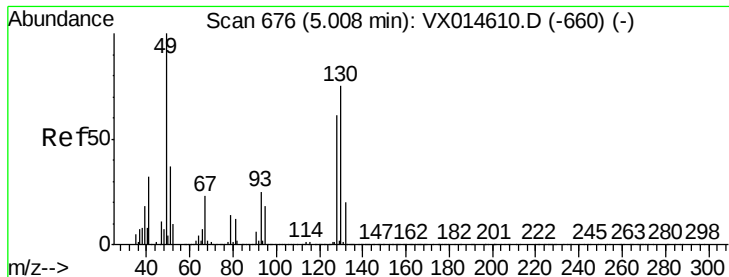
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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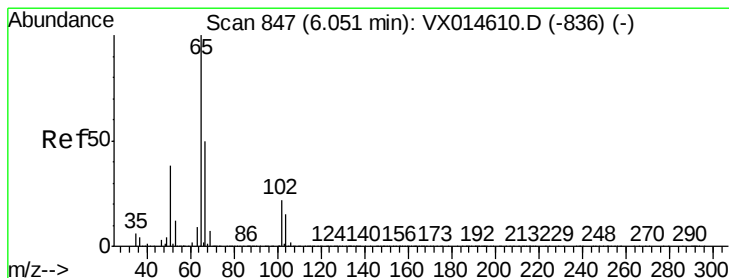
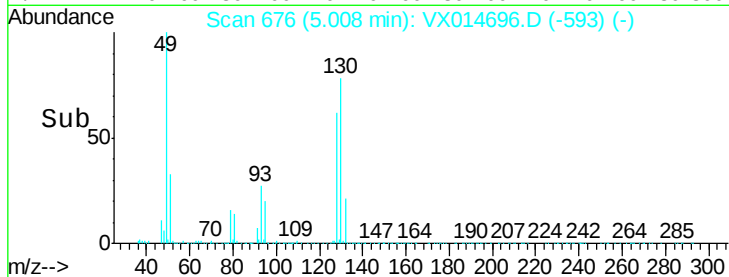
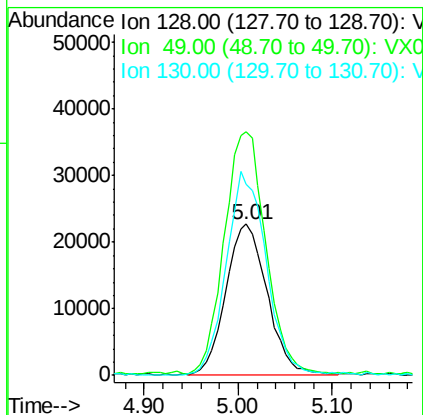
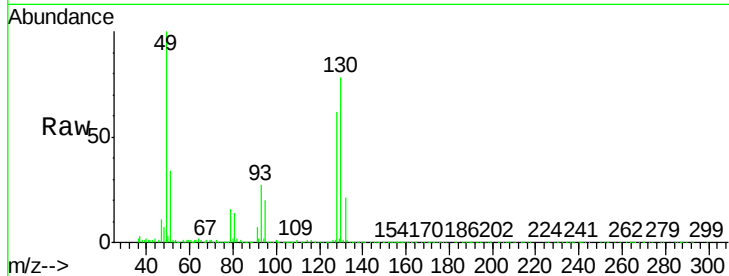


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX014696.D
 Acq: 24 Jan 2020 14:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SH-BC

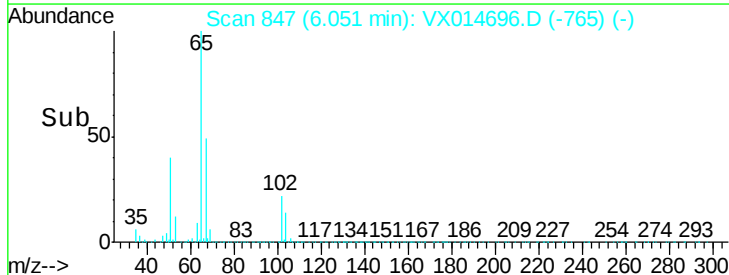
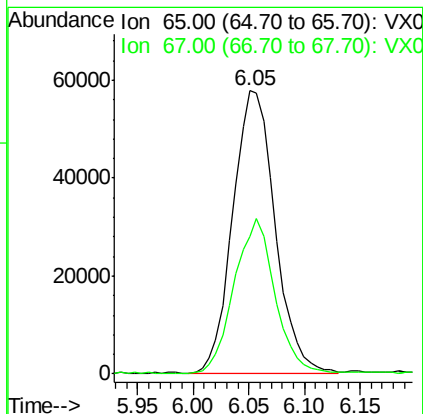
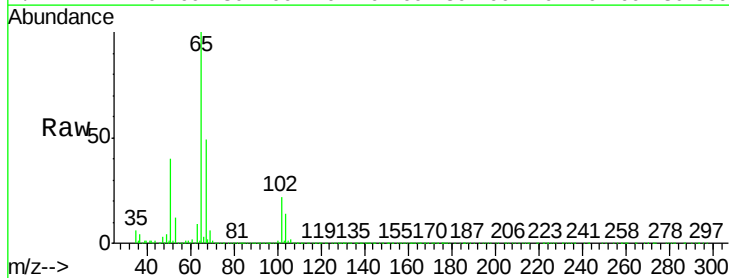
Tot Ion	Ratio	Lower	Upper
128	100		
49	161.7	0.0	405.0
130	130.3	0.0	321.5

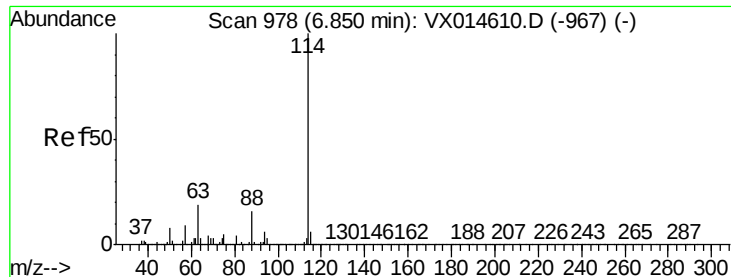


#27

1,2-Dichloroethane-d4
 Concen: 31.159 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014696.D
 Acq: 24 Jan 2020 14:44

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	43.1	64.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014696.D

Acq: 24 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

SH-BC

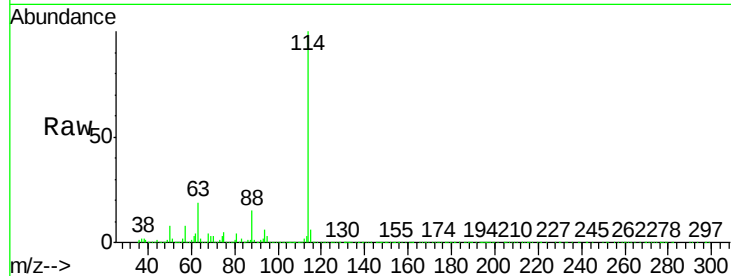
Tot Ion:114 Resp: 368688

Ion Ratio Lower Upper

114 100

63 20.6 16.1 24.1

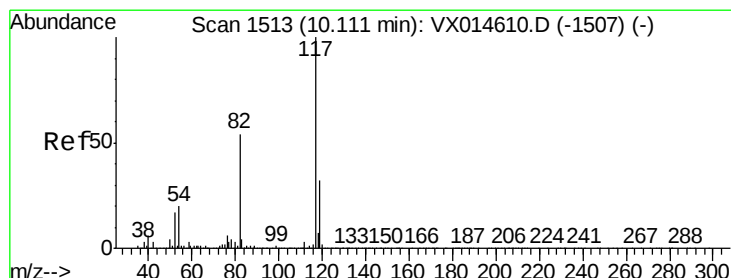
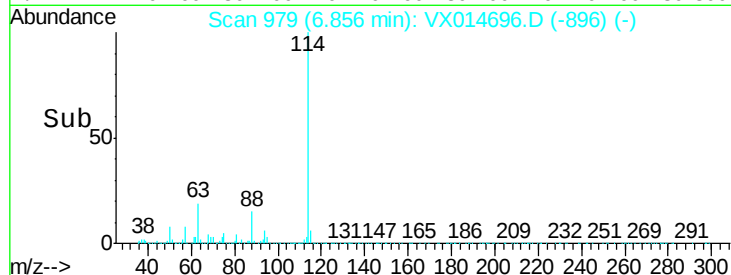
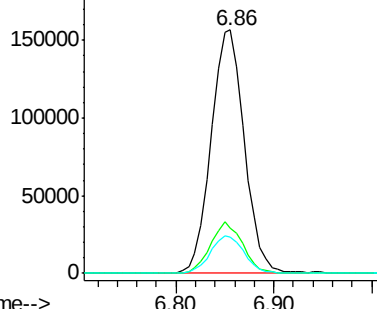
88 15.8 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014696.D

Acq: 24 Jan 2020 14:44

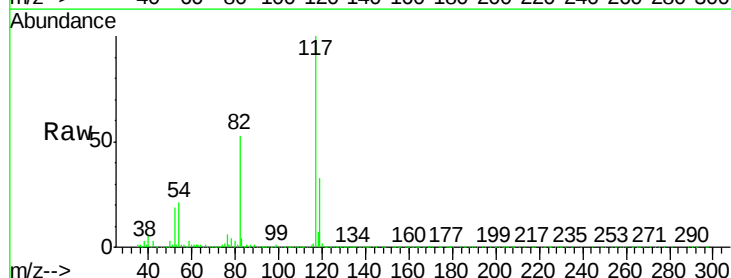
Tgt Ion:117 Resp: 326155

Ion Ratio Lower Upper

117 100

82 54.5 43.8 65.6

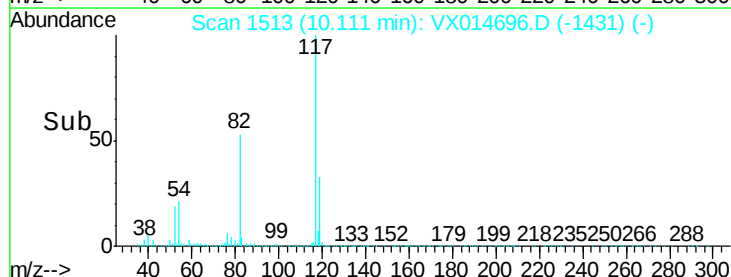
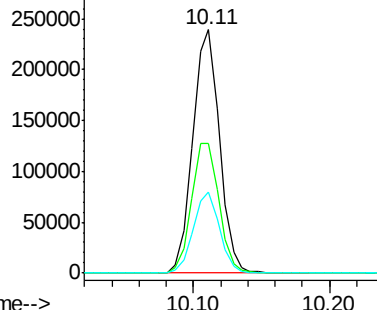
119 32.5 25.8 38.6

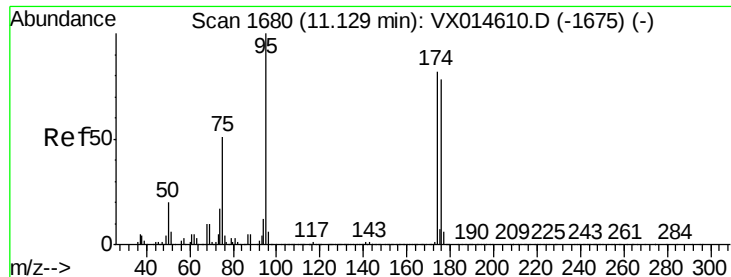


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

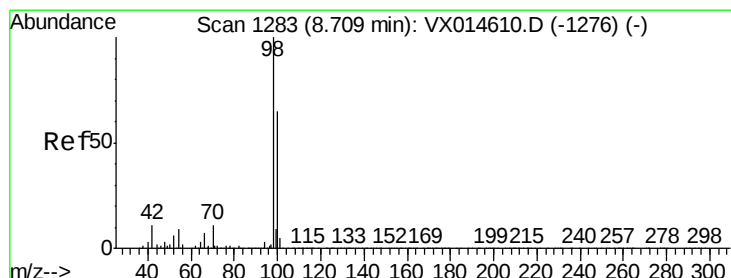
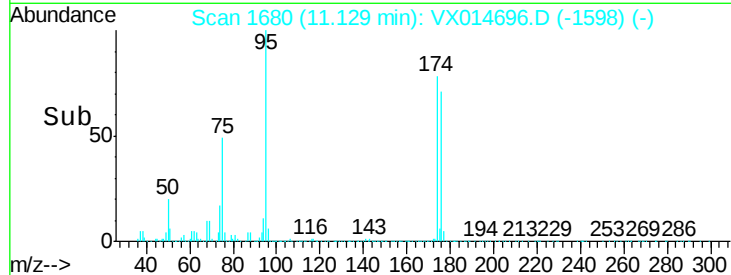
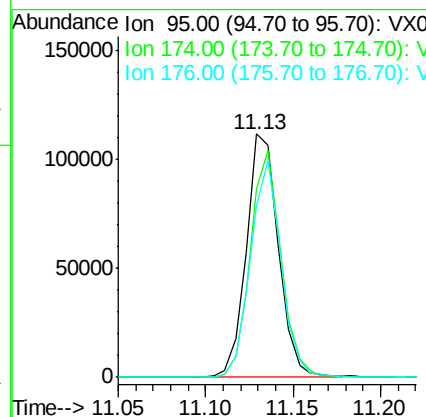
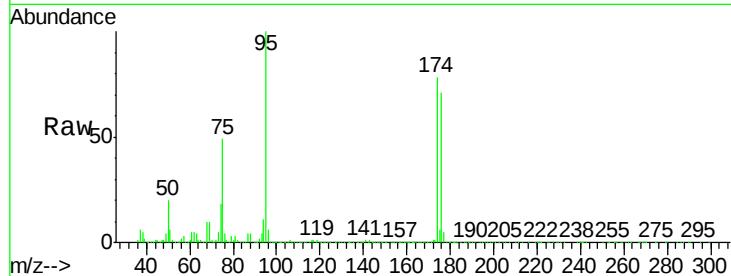




#60
4-Bromofluorobenzene
Concen: 27.212 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014696.D
Acq: 24 Jan 2020 14:44

Instrument :
MSVOA_X
ClientSampled :
SH-BC

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.4	70.2	105.2
176	84.9	68.3	102.5



#63
Toluene-d8
Concen: 29.890 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014696.D
Acq: 24 Jan 2020 14:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.2

