

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040009.D
 Acq On : 13 Dec 2022 16:58
 Operator : SY/MD
 Sample : N5969-01DL 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Quant Time: Dec 14 02:38:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

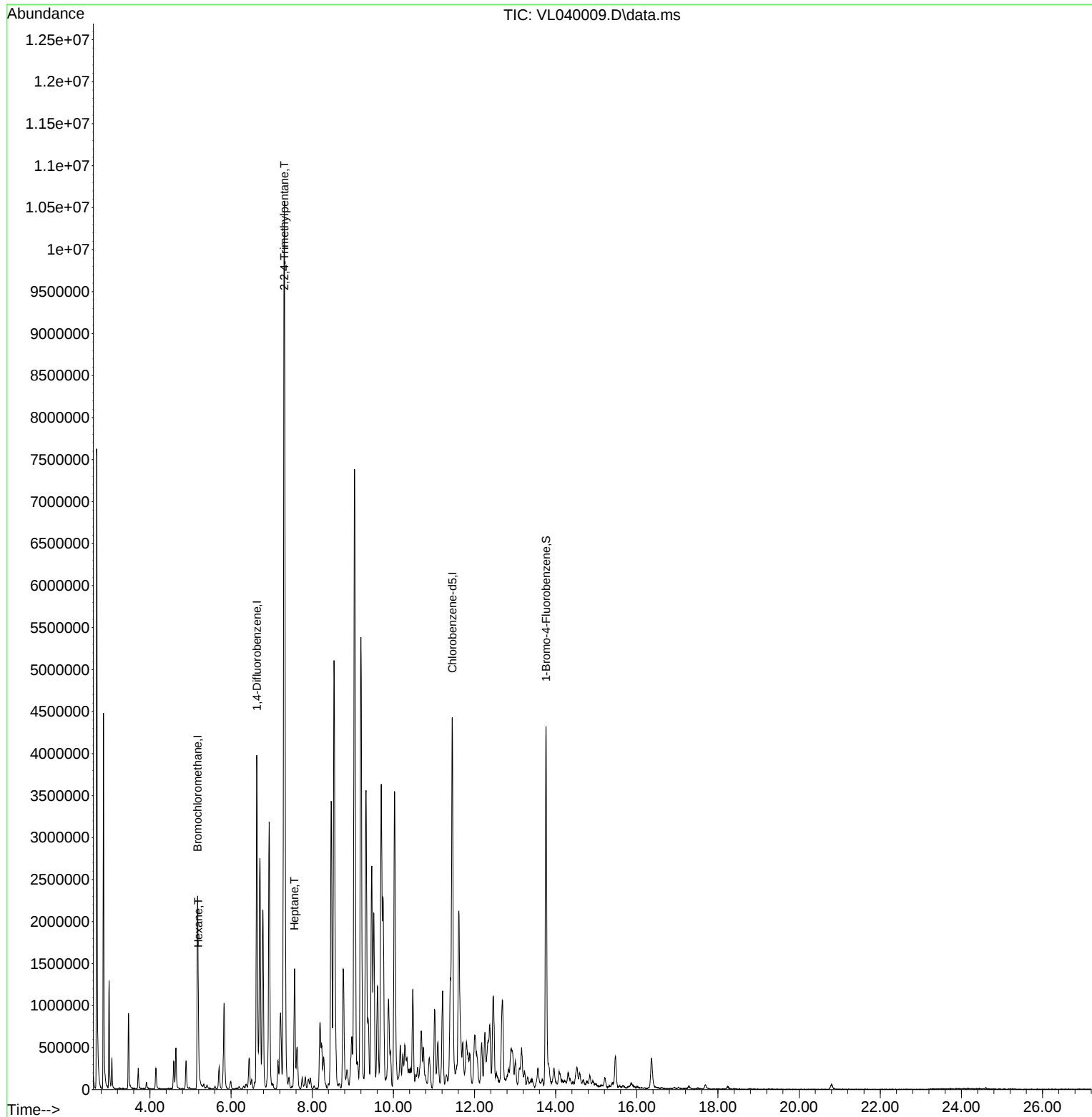
Internal Standards						
1) Bromochloromethane	5.176	49	1117462	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	3158054	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2880914	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2186708	9.937	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
10) Heptane	7.561	43	626779	3.576	ppbv	96
26) Hexane	5.192	57	127494	1.072	ppbv #	37
44) 2,2,4-Trimethylpentane	7.311	57	11035228	24.625	ppbv	93

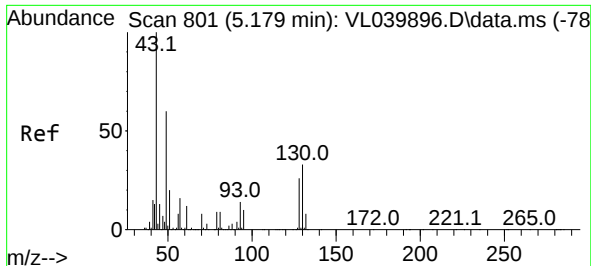
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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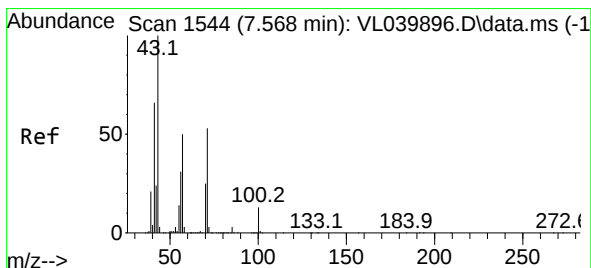
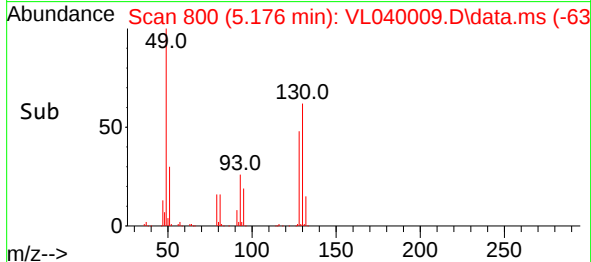
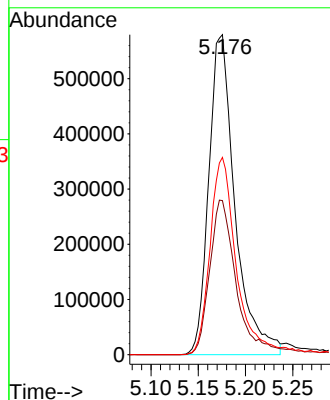
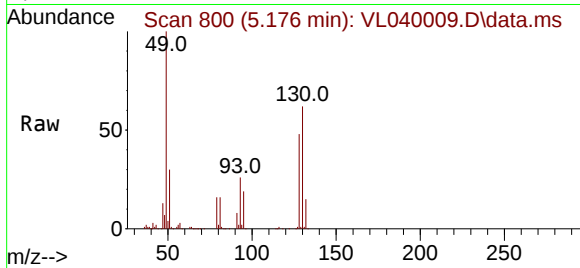




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 801
Delta R.T. 0.020 min
Lab File: VL040009.D
Acq: 13 Dec 2022 16:58

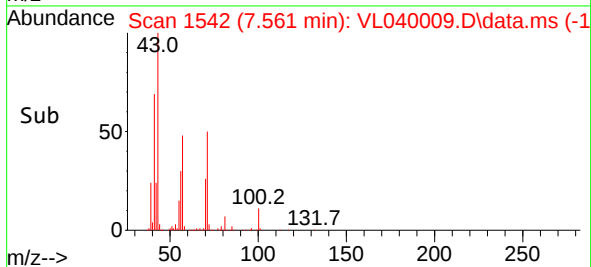
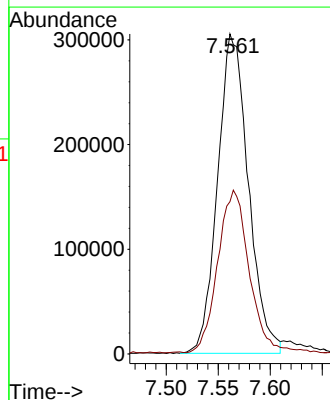
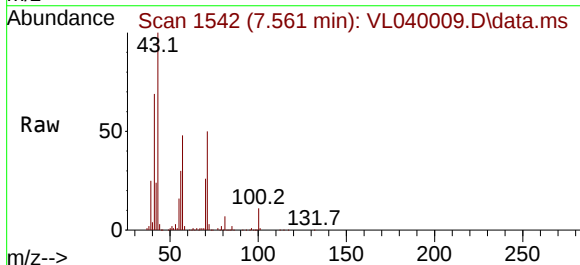
Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

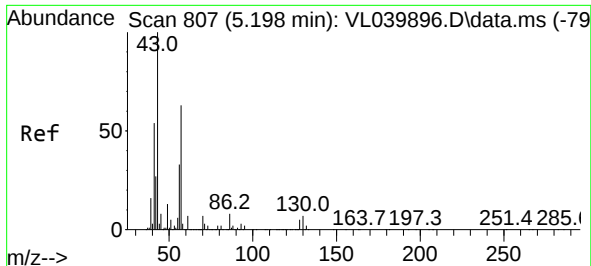
Tgt Ion: 49 Resp: 1117462
Ion Ratio Lower Upper
49 100
128 50.9 22.1 66.3
130 64.7 27.7 83.1



#10
Heptane
Concen: 3.576 ppbv
RT: 7.561 min Scan# 1542
Delta R.T. 0.016 min
Lab File: VL040009.D
Acq: 13 Dec 2022 16:58

Tgt Ion: 43 Resp: 626779
Ion Ratio Lower Upper
43 100
57 53.5 40.7 61.1

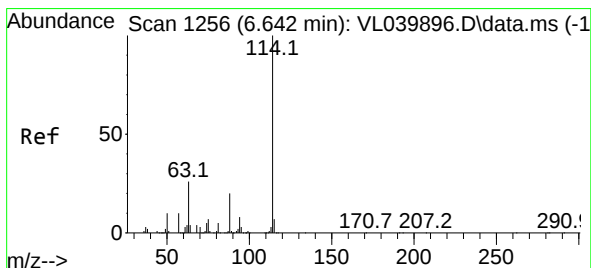
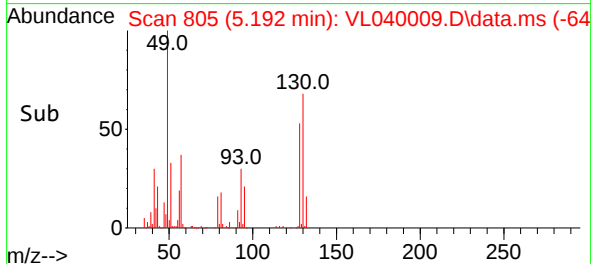
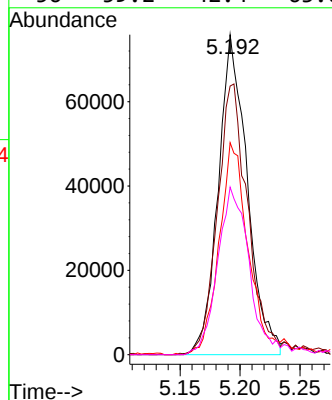
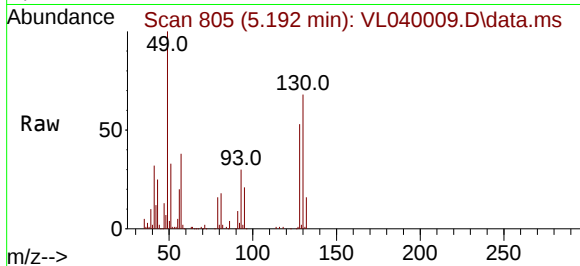




#26
Hexane
Concen: 1.072 ppbv
RT: 5.192 min Scan# 807
Delta R.T. 0.016 min
Lab File: VL040009.D
Acq: 13 Dec 2022 16:58

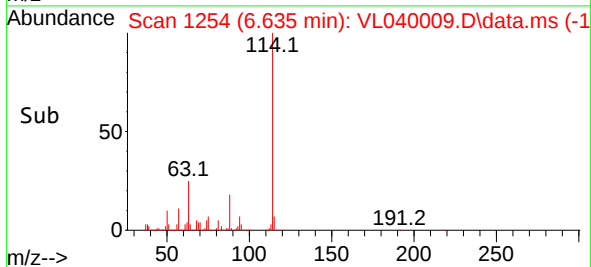
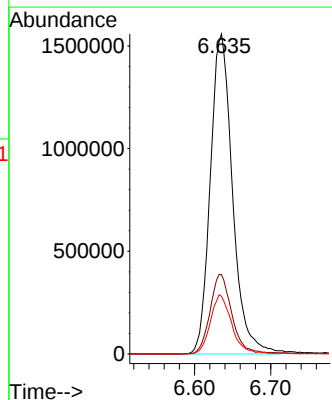
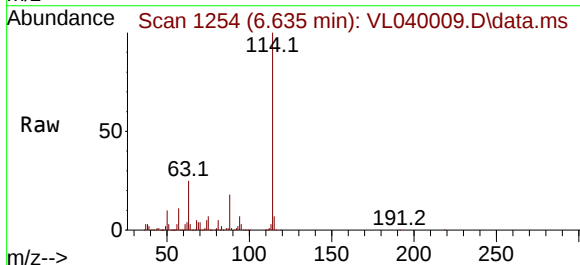
Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

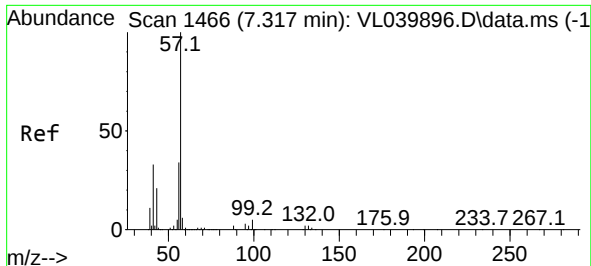
Tgt Ion: 57	Resp: 127494		
Ion	Ratio	Lower	Upper
57	100		
41	91.5	72.3	108.5
43	69.7	188.7	283.1#
56	59.2	42.4	63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. 0.016 min
Lab File: VL040009.D
Acq: 13 Dec 2022 16:58

Tgt Ion:114	Resp: 3158054		
Ion	Ratio	Lower	Upper
114	100		
63	24.8	21.4	32.0
88	17.8	15.3	22.9





#44

2,2,4-Trimethylpentane

Concen: 24.625 ppbv

RT: 7.311 min Scan# 1466

Delta R.T. 0.019 min

Lab File: VL040009.D

Acq: 13 Dec 2022 16:58

Instrument :

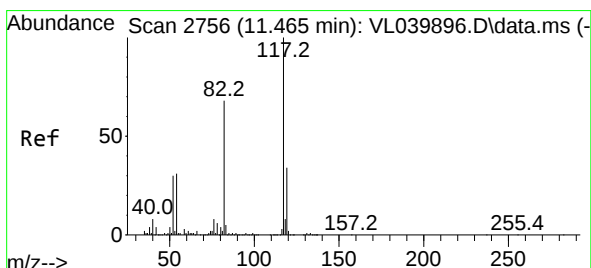
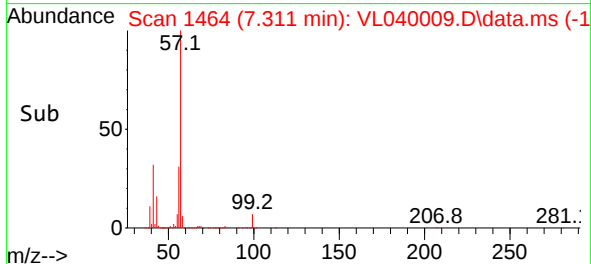
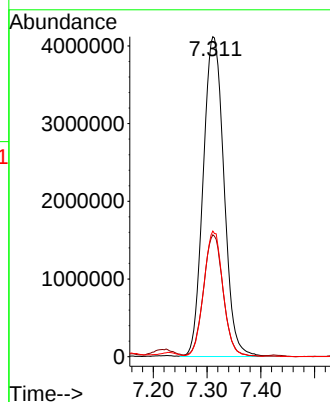
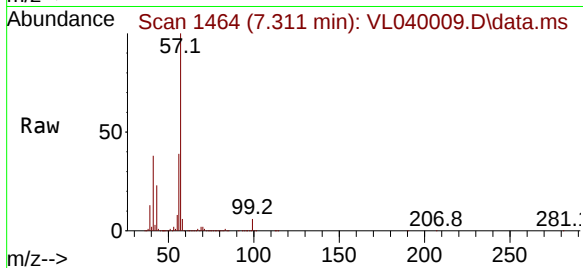
MSVOA_L

ClientSampleId :

SG-1DL

Tgt Ion: 57 Resp: 11035228

Ion	Ratio	Lower	Upper
57	100		
41	35.7	26.2	39.2
56	36.8	25.5	38.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

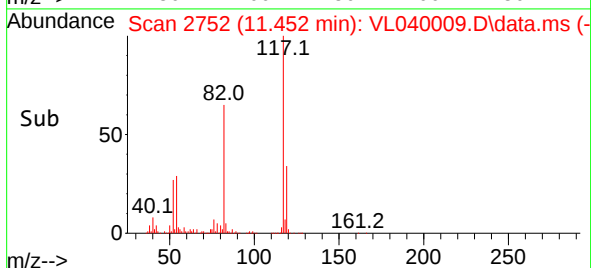
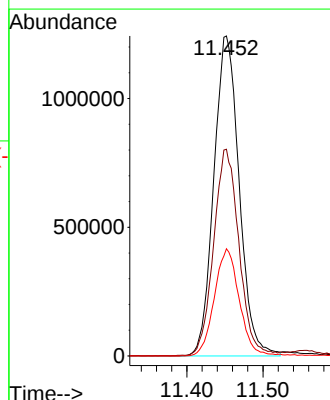
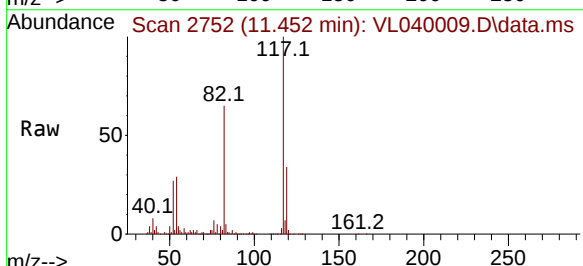
Delta R.T. 0.019 min

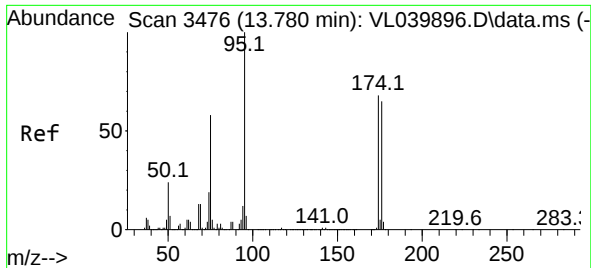
Lab File: VL040009.D

Acq: 13 Dec 2022 16:58

Tgt Ion: 117 Resp: 2880914

Ion	Ratio	Lower	Upper
117	100		
82	64.6	52.3	78.5
119	33.3	25.7	38.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.937 ppbv
 RT: 13.764 min Scan# 34
 Delta R.T. 0.022 min
 Lab File: VL040009.D
 Acq: 13 Dec 2022 16:58

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Tgt Ion: 95 Resp: 2186708

Ion	Ratio	Lower	Upper
95	100		
174	64.1	53.7	80.5
175	4.6	4.0	6.0

