

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042306.D
 Acq On : 10 Apr 2025 13:49
 Operator : SY/MD
 Sample : QC040925 CAN 10604
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040925 CAN 10604

Quant Time: Apr 11 02:22:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

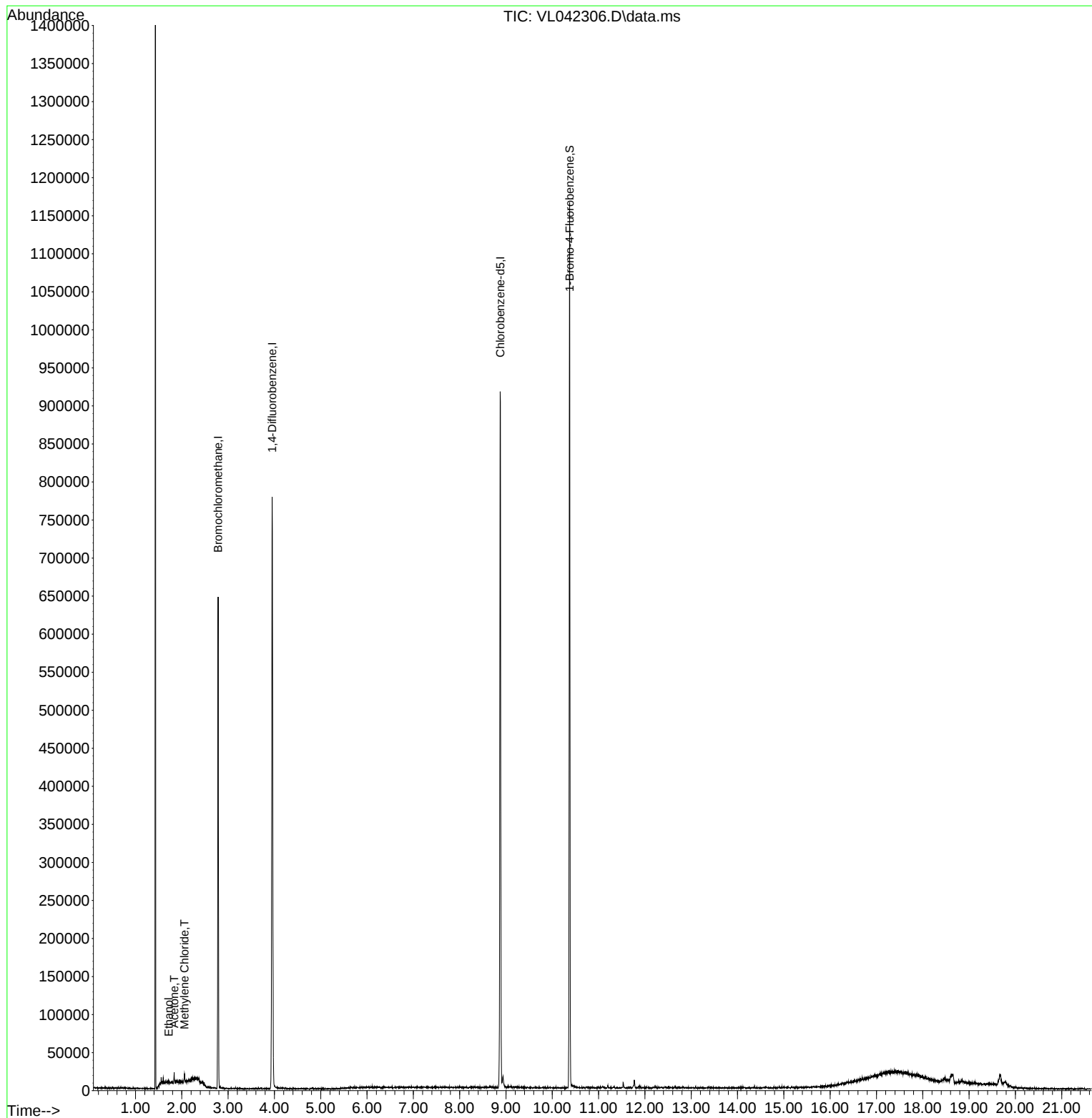
Internal Standards						
1) Bromochloromethane	2.784	49	174918	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427099	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	358403	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	271459	9.223	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.719	45	1461	1.278	ppbv	90
15) Acetone	1.836	43	5572	0.228	ppbv #	88
20) Methylene Chloride	2.059	84	1790	0.196	ppbv	94

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

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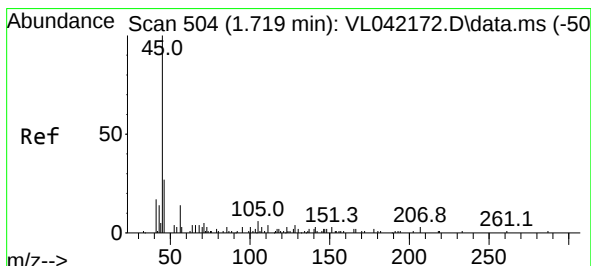
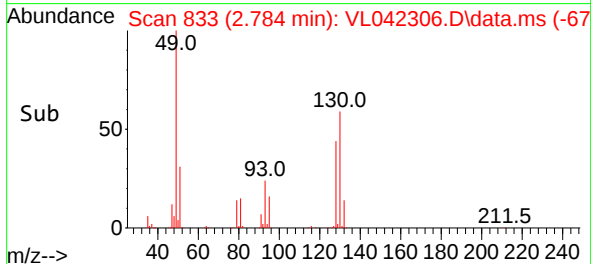
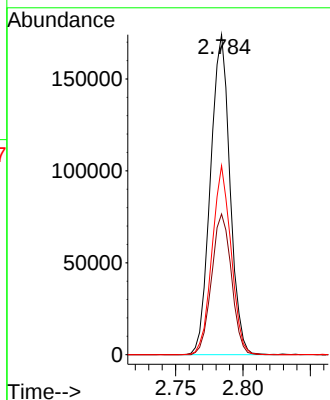
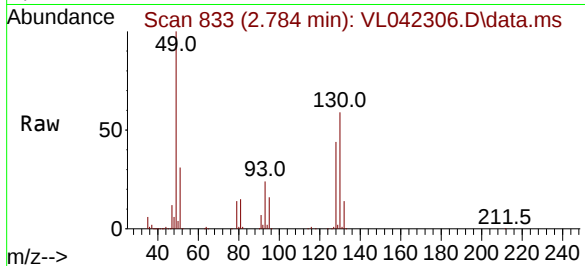




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

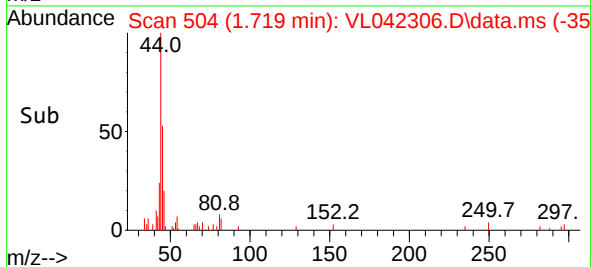
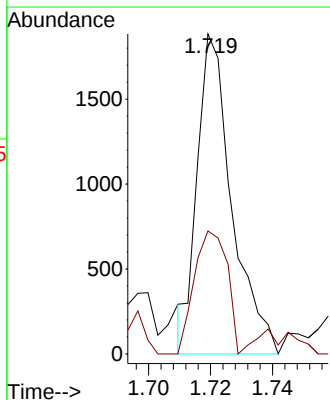
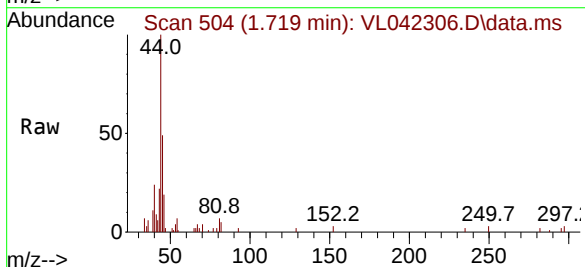
Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

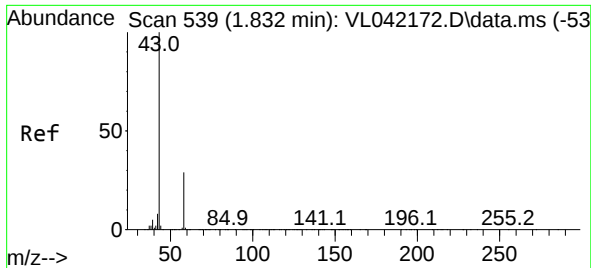
Tgt Ion: 49 Resp: 174918
Ion Ratio Lower Upper
49 100
128 44.7 22.9 68.5
130 57.6 28.8 86.4



#13
Ethanol
Concen: 1.278 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

Tgt Ion: 45 Resp: 1461
Ion Ratio Lower Upper
45 100
46 57.4 20.2 80.8





#15

Acetone

Concen: 0.228 ppbv

RT: 1.836 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042306.D

Acq: 10 Apr 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

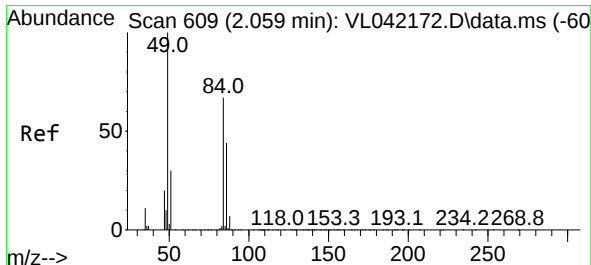
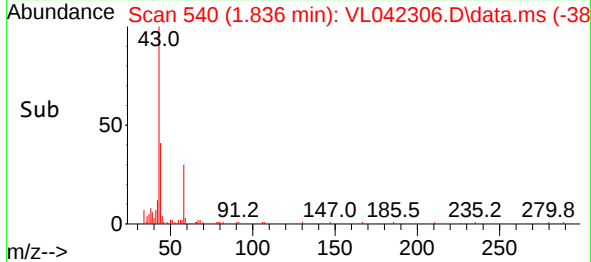
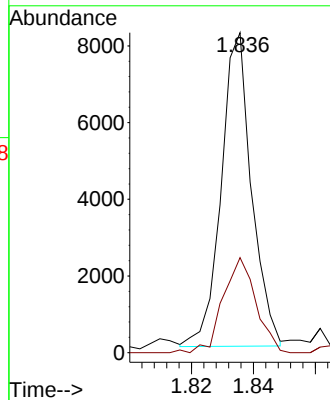
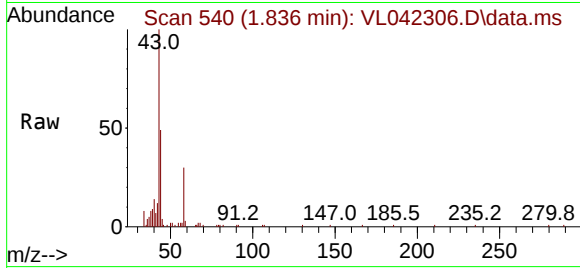
QC040925 CAN 10604

Tgt Ion: 43 Resp: 5572

Ion Ratio Lower Upper

43 100

58 35.7 23.2 34.8#



#20

Methylene Chloride

Concen: 0.196 ppbv

RT: 2.059 min Scan# 609

Delta R.T. 0.000 min

Lab File: VL042306.D

Acq: 10 Apr 2025 13:49

Tgt Ion: 84 Resp: 1790

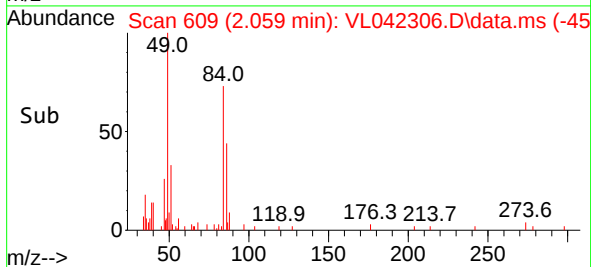
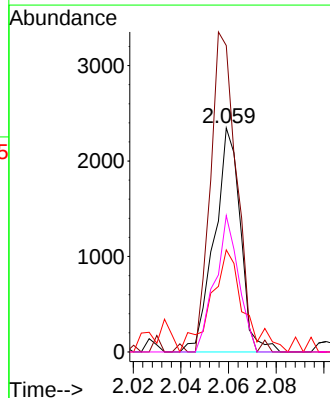
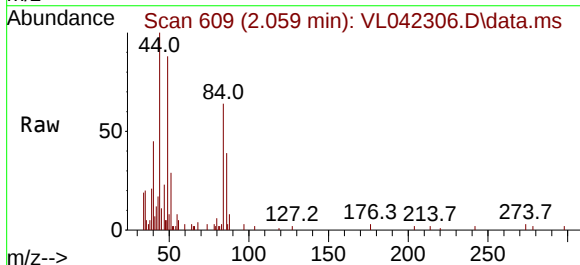
Ion Ratio Lower Upper

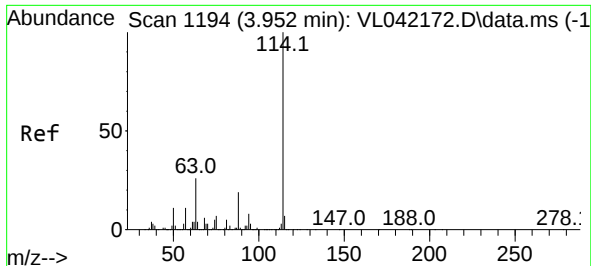
84 100

49 136.8 120.2 180.4

51 45.5 37.4 56.0

86 65.7 52.4 78.6

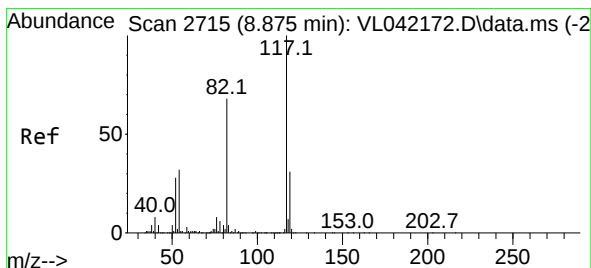
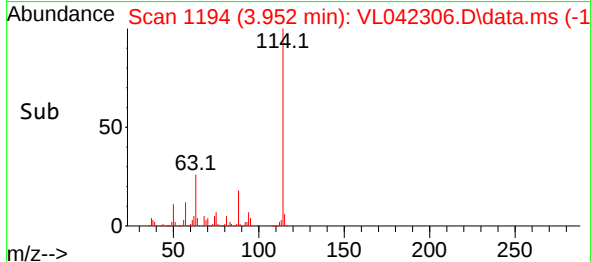
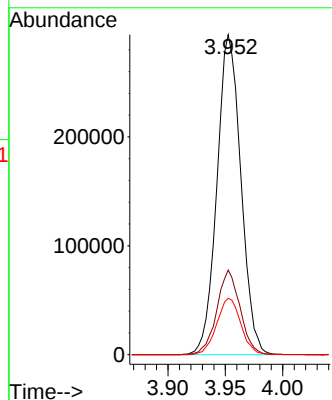
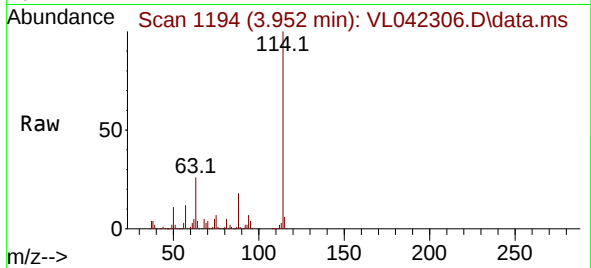




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.952 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VL042306.D
 Acq: 10 Apr 2025 13:49

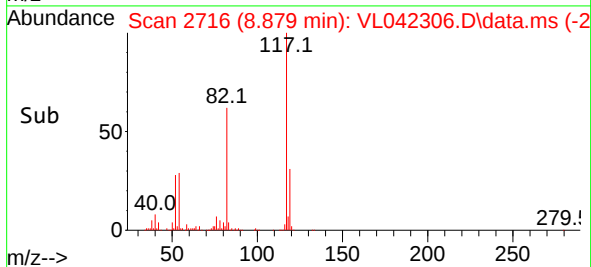
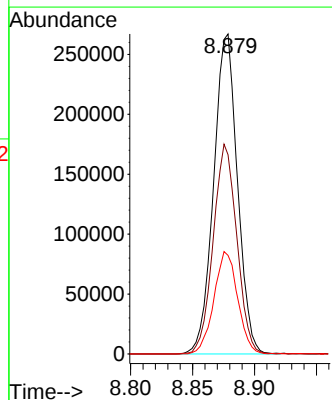
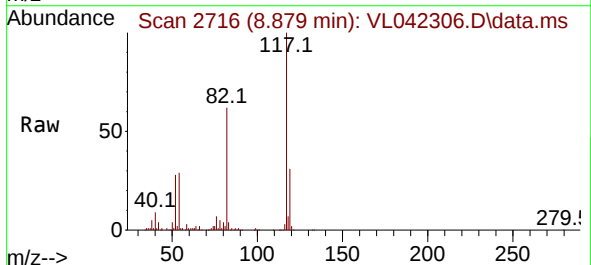
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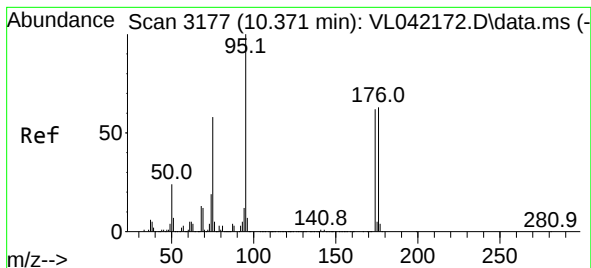
Tgt Ion:114 Resp: 427099
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.7 31.1
 88 17.7 15.0 22.4



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.879 min Scan# 2716
 Delta R.T. 0.003 min
 Lab File: VL042306.D
 Acq: 10 Apr 2025 13:49

Tgt Ion:117 Resp: 358403
 Ion Ratio Lower Upper
 117 100
 82 65.0 55.8 83.6
 119 32.0 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.223 ppbv

RT: 10.374 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042306.D

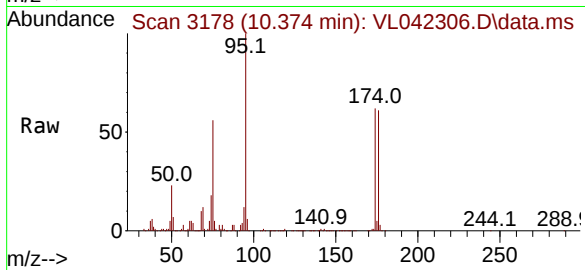
Acq: 10 Apr 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

QC040925 CAN 10604



Tgt Ion: 95 Resp: 271459

Ion Ratio Lower Upper

95 100

174 63.0 50.6 76.0

175 4.5 3.8 5.6

