

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
 Data File : VU056909.D
 Acq On : 16 Dec 2023 03:42
 Operator : MD/SY
 Sample : 05809-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F7C87

Quant Time: Dec 16 05:13:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

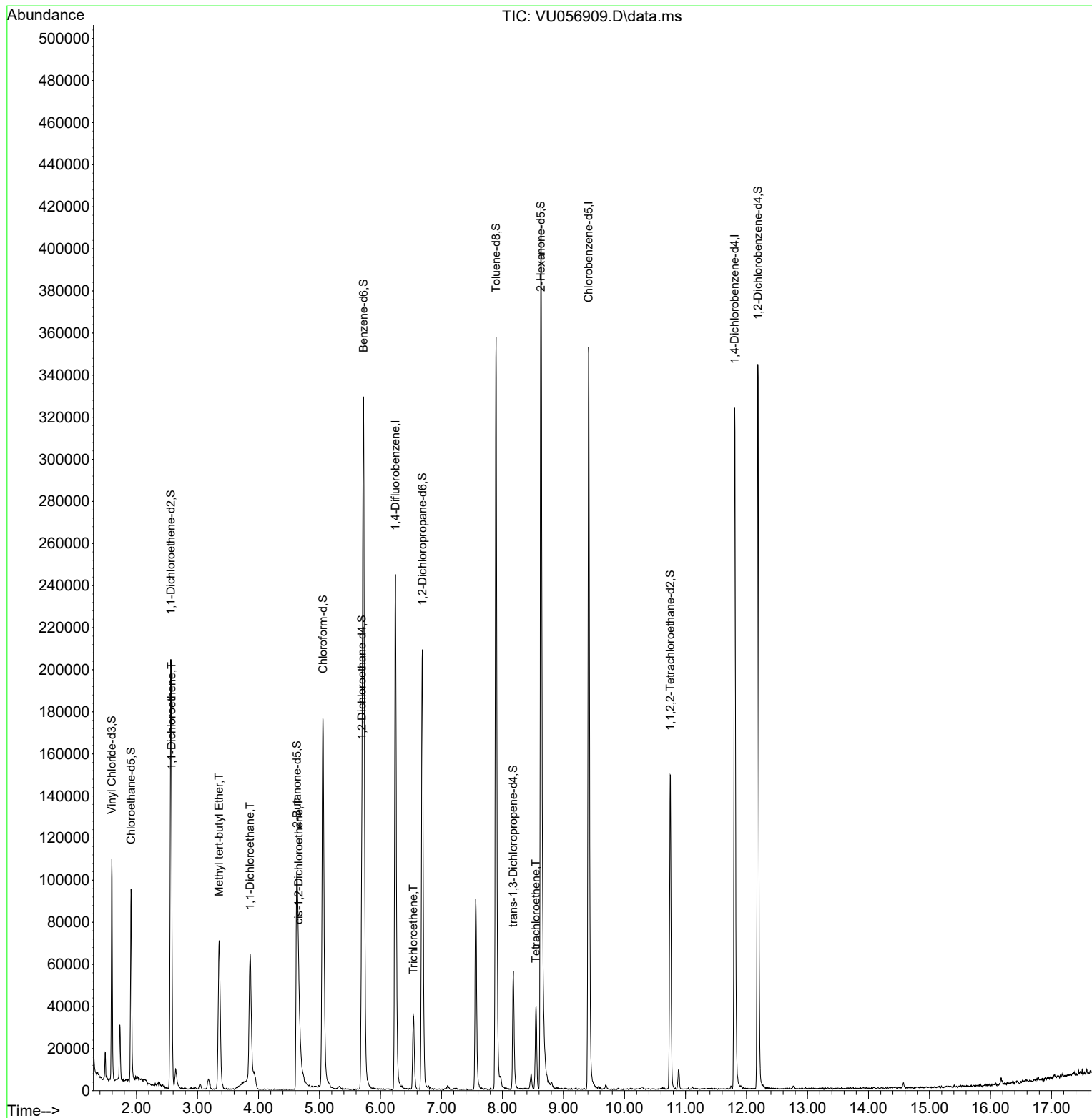
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	201133	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	210630	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88701	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	74370	4.314	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	86.200%	
7) Chloroethane-d5	1.911	69	66946	5.189	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	103.800%	
11) 1,1-Dichloroethene-d2	2.563	65	34385	4.661	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	93.200%	
20) 2-Butanone-d5	4.631	46	198449	58.286	ug/L	0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.580%	
24) Chloroform-d	5.055	84	169977	5.206	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	104.200%	
26) 1,2-Dichloroethane-d4	5.695	65	84783	5.488	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	109.800%	
32) Benzene-d6	5.721	84	311952	4.775	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.400%	
36) 1,2-Dichloropropane-d6	6.685	67	104386	5.105	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	102.000%	
41) Toluene-d8	7.894	98	247896	4.245	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.000%	
43) trans-1,3-Dichloroprop...	8.177	79	35294	4.451	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	89.000%	
46) 2-Hexanone-d5	8.631	63	145754	48.733	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	97.460%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	77961	5.269	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	105.400%	
66) 1,2-Dichlorobenzene-d4	12.187	152	90415	5.185	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	103.800%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	18566	1.137	ug/L	# 28
17) Methyl tert-butyl Ether	3.354	73	81280	2.245	ug/L	98
19) 1,1-Dichloroethane	3.862	63	70233	2.205	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	2864	0.159	ug/L	87
34) Trichloroethene	6.537	95	13203	0.650	ug/L	91
47) Tetrachloroethene	8.547	164	9147	0.644	ug/L	96

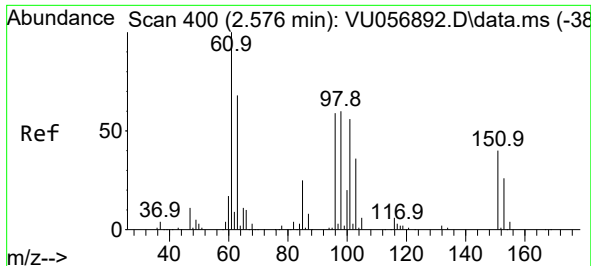
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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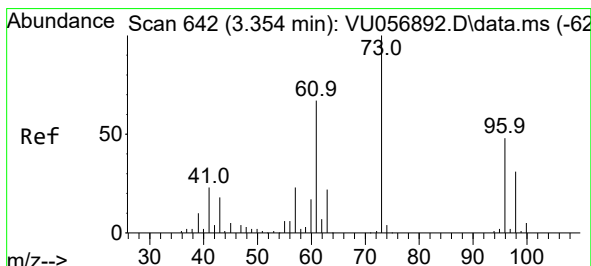
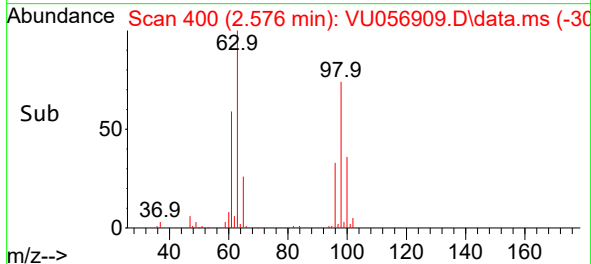
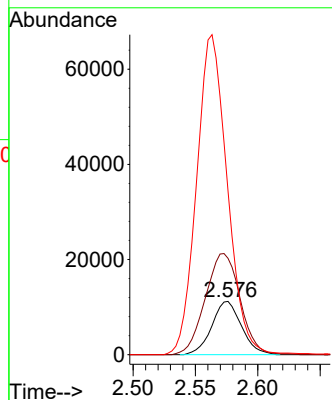
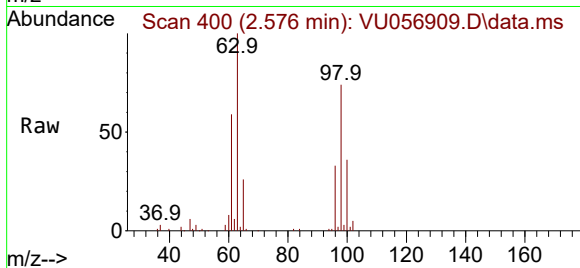




#12
 1,1-Dichloroethene
 Concen: 1.137 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056909.D
 Acq: 16 Dec 2023 03:42

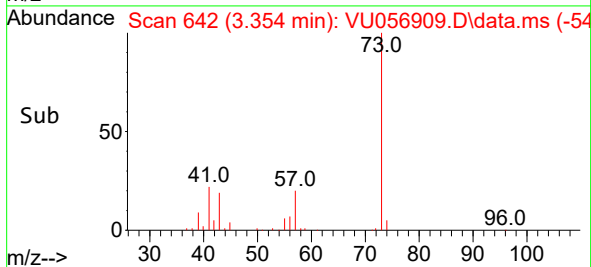
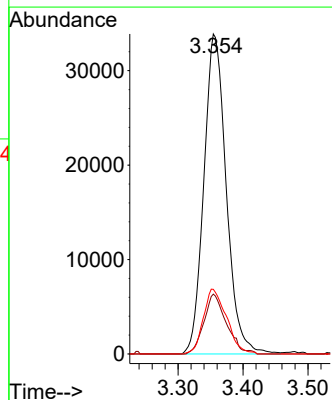
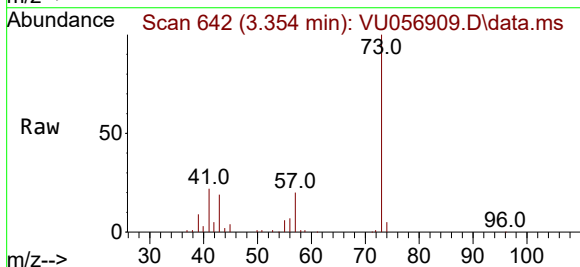
Instrument :
 MSVOA_U
 ClientSampleId :
 F7C87

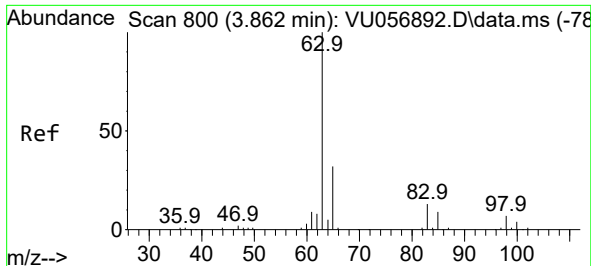
Tgt Ion: 96 Resp: 18566
 Ion Ratio Lower Upper
 96 100
 61 181.1 119.0 221.0
 63 307.5 88.7 164.7#



#17
 Methyl tert-butyl Ether
 Concen: 2.245 ug/L
 RT: 3.354 min Scan# 642
 Delta R.T. -0.000 min
 Lab File: VU056909.D
 Acq: 16 Dec 2023 03:42

Tgt Ion: 73 Resp: 81280
 Ion Ratio Lower Upper
 73 100
 43 18.9 14.4 21.6
 57 21.0 17.8 26.8

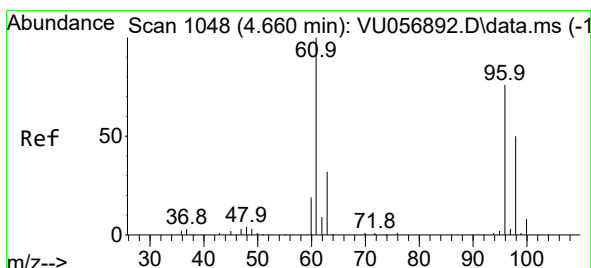
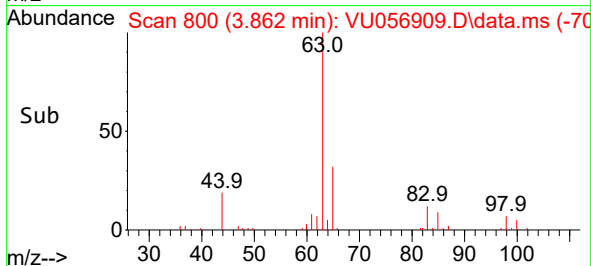
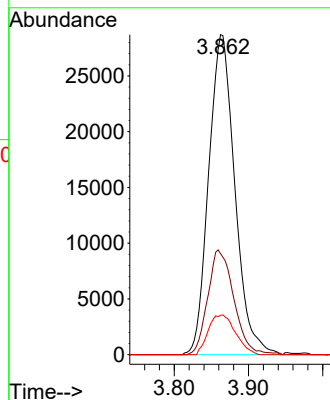
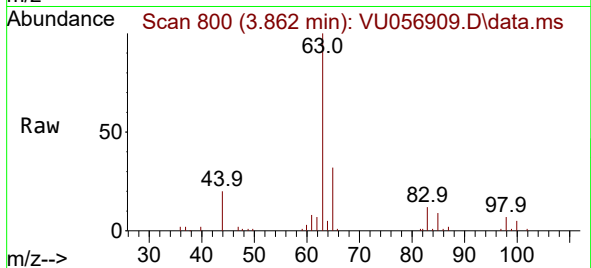




#19
1,1-Dichloroethane
Concen: 2.205 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU056909.D
Acq: 16 Dec 2023 03:42

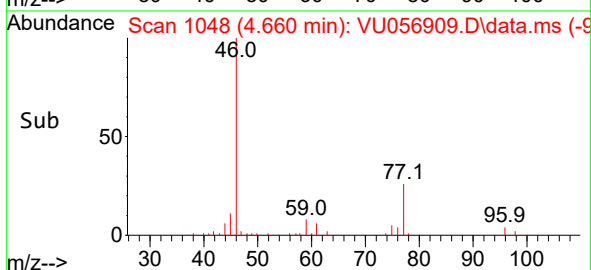
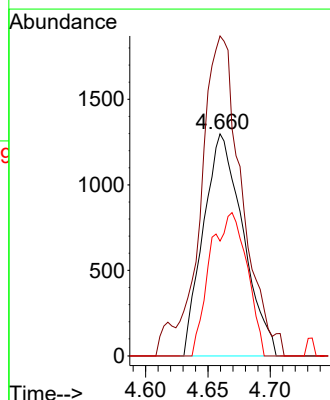
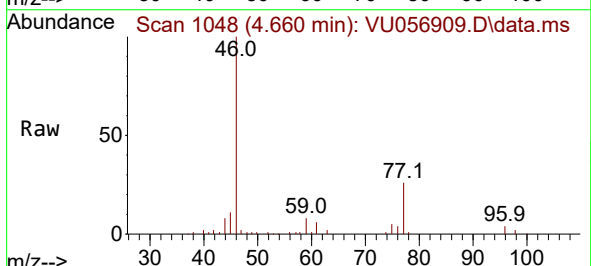
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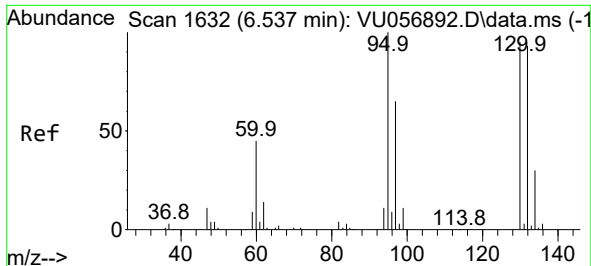
Tgt Ion: 63 Resp: 70233
Ion Ratio Lower Upper
63 100
65 32.4 22.9 42.5
83 12.3 10.1 18.9



#22
cis-1,2-Dichloroethene
Concen: 0.159 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU056909.D
Acq: 16 Dec 2023 03:42

Tgt Ion: 96 Resp: 2864
Ion Ratio Lower Upper
96 100
61 144.1 91.3 169.6
98 51.7 44.2 82.0





#34

Trichloroethene

Concen: 0.650 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056909.D

Acq: 16 Dec 2023 03:42

Instrument :

MSVOA_U

ClientSampleId :

F7C87

Tgt Ion: 95 Resp: 13203

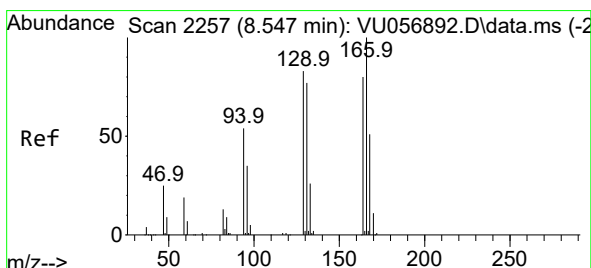
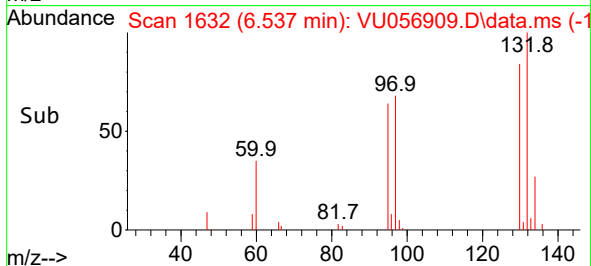
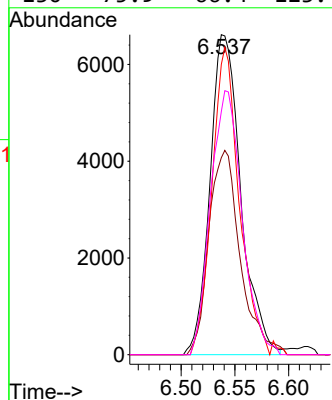
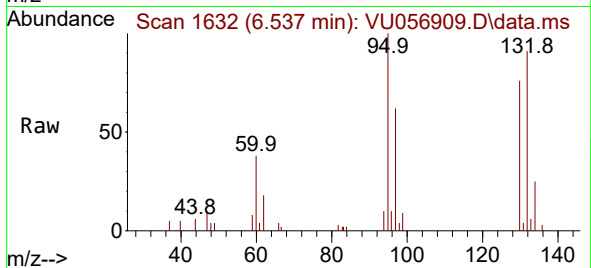
Ion Ratio Lower Upper

95 100

97 61.5 46.1 85.5

132 90.7 63.6 118.0

130 75.9 66.4 123.4



#47

Tetrachloroethene

Concen: 0.644 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VU056909.D

Acq: 16 Dec 2023 03:42

Tgt Ion: 164 Resp: 9147

Ion Ratio Lower Upper

164 100

129 100.5 73.4 136.4

131 94.6 71.5 132.9

166 131.8 92.7 172.1

