

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110823\
 Data File : VU056117.D
 Acq On : 08 Nov 2023 12:26
 Operator : MD/SY
 Sample : 05281-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AC2

Quant Time: Nov 08 20:51:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 20:49:31 2023
 Response via : Initial Calibration

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

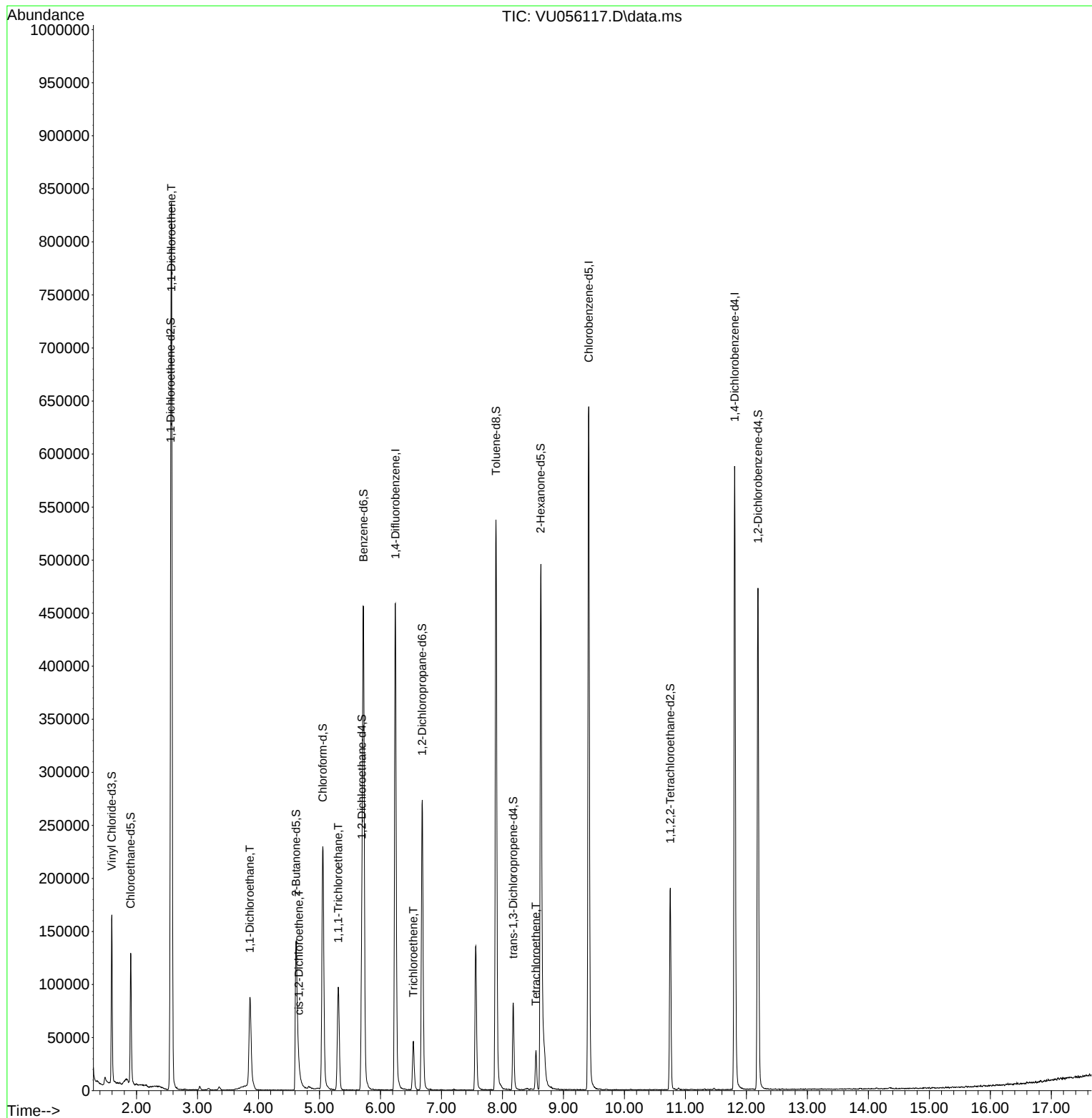
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	395648	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	388332	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	167763	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	114262	4.653	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	93.000%	
7) Chloroethane-d5	1.904	69	94024	5.642	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	112.800%	
11) 1,1-Dichloroethene-d2	2.560	65	49653	4.589	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	91.800%	
20) 2-Butanone-d5	4.618	46	218832	54.316	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	108.640%	
24) Chloroform-d	5.055	84	226091	4.836	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.800%	
26) 1,2-Dichloroethane-d4	5.695	65	104998	5.101	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.000%	
32) Benzene-d6	5.721	84	457171	4.902	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.000%	
36) 1,2-Dichloropropane-d6	6.685	67	139600	5.085	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.600%	
41) Toluene-d8	7.894	98	384360	4.497	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.000%	
43) trans-1,3-Dichloroprop...	8.177	79	48448	4.617	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.400%	
46) 2-Hexanone-d5	8.627	63	167621	48.732	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	97.460%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	97985	5.000	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	100.000%	
66) 1,2-Dichlorobenzene-d4	12.190	152	135370	5.232	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	104.600%	
Target Compounds						
12) 1,1-Dichloroethene	2.573	96	250838	9.864	ug/L	91
19) 1,1-Dichloroethane	3.859	63	97086	1.975	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	3407	0.117	ug/L #	71
29) 1,1,1-Trichloroethane	5.309	97	71440	1.606	ug/L	99
34) Trichloroethene	6.541	95	15753	0.519	ug/L	96
47) Tetrachloroethene	8.550	164	8229	0.361	ug/L	85

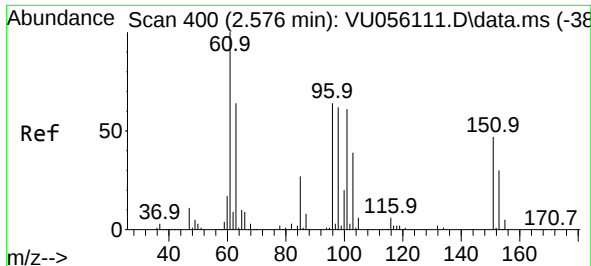
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 9.864 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU056117.D

Acq: 08 Nov 2023 12:26

Instrument :

MSVOA_U

ClientSampleId :

C0AC2

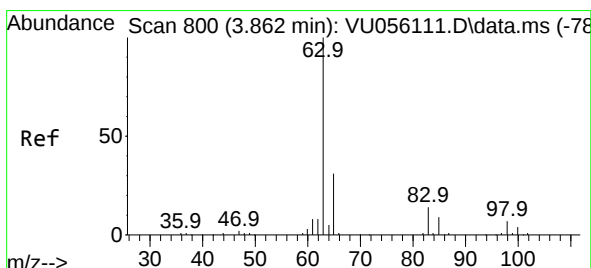
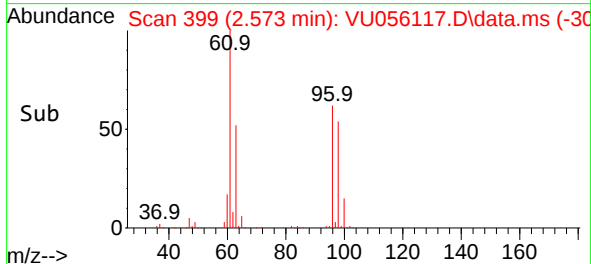
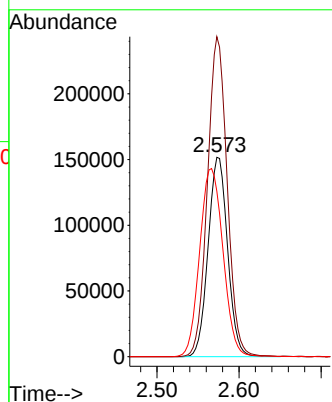
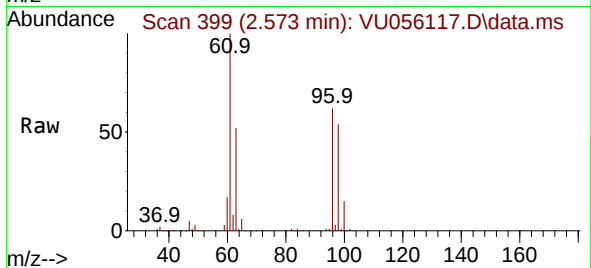
Tgt Ion: 96 Resp: 250838

Ion Ratio Lower Upper

96 100

61 160.5 111.7 207.5

63 83.0 74.5 138.3



#19

1,1-Dichloroethane

Concen: 1.975 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU056117.D

Acq: 08 Nov 2023 12:26

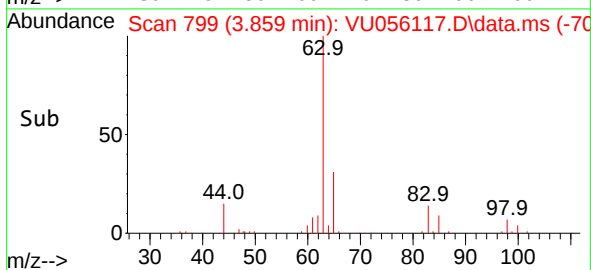
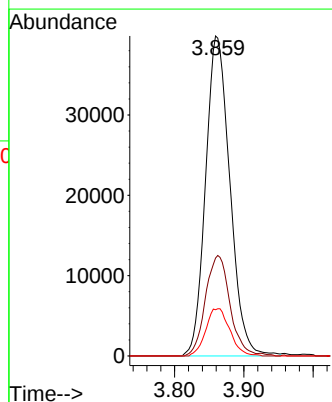
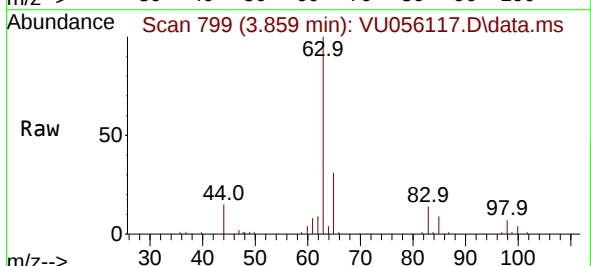
Tgt Ion: 63 Resp: 97086

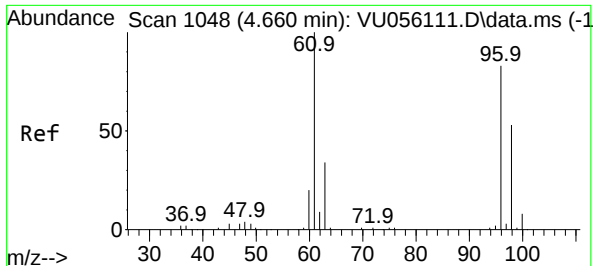
Ion Ratio Lower Upper

63 100

65 30.6 20.6 38.2

83 14.5 9.6 17.8

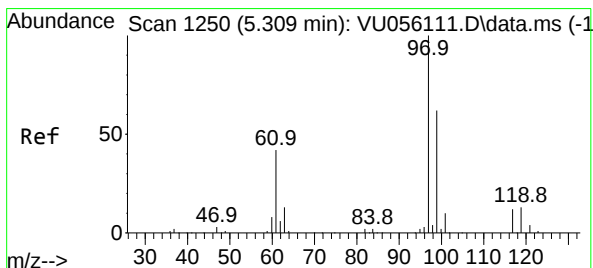
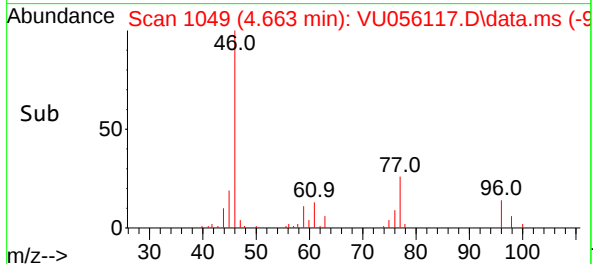
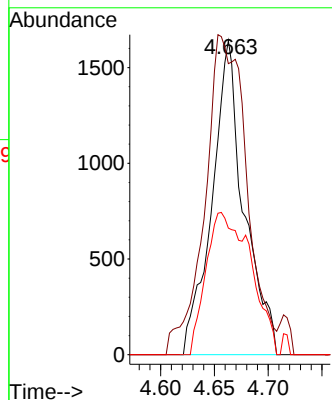
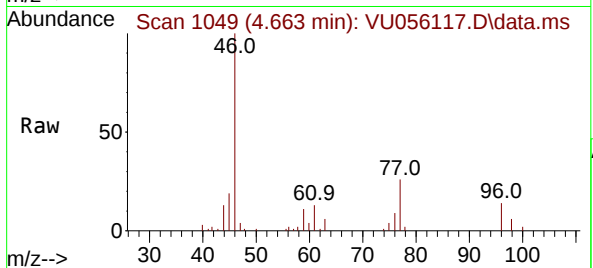




#22
 cis-1,2-Dichloroethene
 Concen: 0.117 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU056117.D
 Acq: 08 Nov 2023 12:26

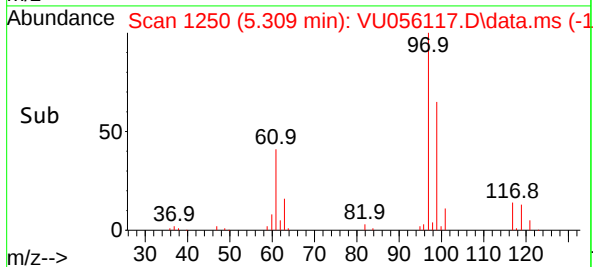
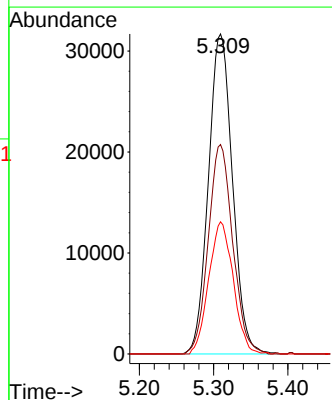
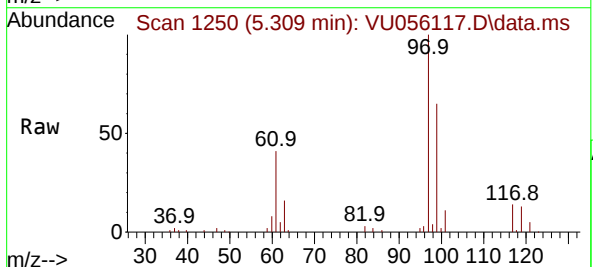
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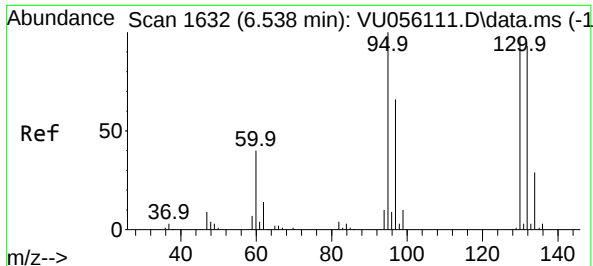
Tgt Ion: 96 Resp: 3407
 Ion Ratio Lower Upper
 96 100
 61 92.7 87.8 163.2
 98 40.3 43.5 80.7#



#29
 1,1,1-Trichloroethane
 Concen: 1.606 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: VU056117.D
 Acq: 08 Nov 2023 12:26

Tgt Ion: 97 Resp: 71440
 Ion Ratio Lower Upper
 97 100
 99 66.6 52.0 78.0
 61 42.1 33.4 50.0





#34

Trichloroethene

Concen: 0.519 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056117.D

Acq: 08 Nov 2023 12:26

Instrument :

MSVOA_U

ClientSampleId :

C0AC2

Tgt Ion: 95 Resp: 15753

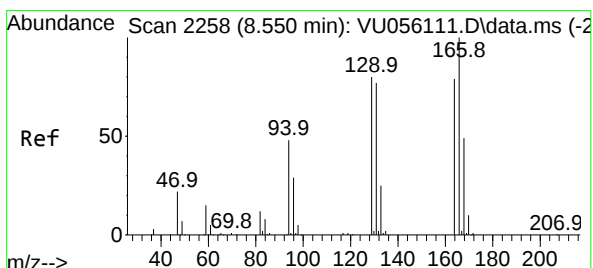
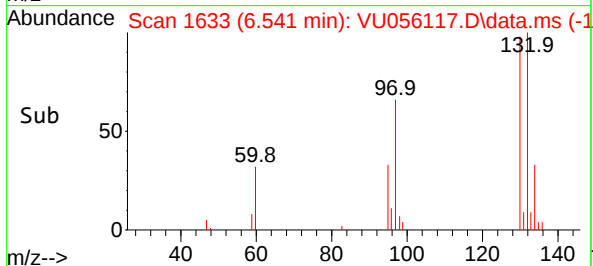
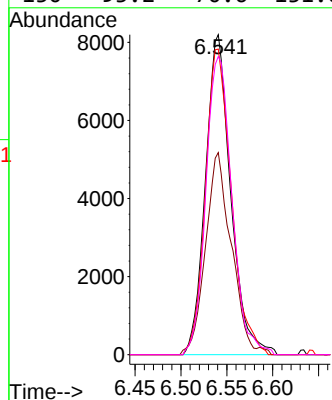
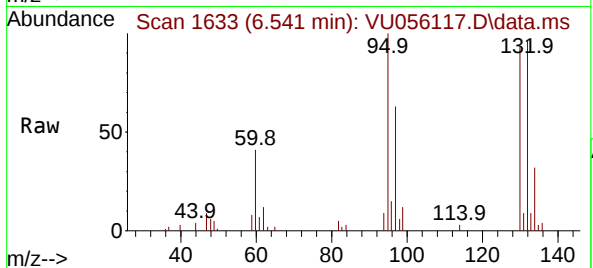
Ion Ratio Lower Upper

95 100

97 63.1 46.8 87.0

132 95.5 66.5 123.5

130 93.2 70.6 131.0



#47

Tetrachloroethene

Concen: 0.361 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU056117.D

Acq: 08 Nov 2023 12:26

Tgt Ion:164 Resp: 8229

Ion Ratio Lower Upper

164 100

129 108.7 66.6 123.8

131 110.3 67.8 126.0

166 142.1 85.9 159.5

