

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055078.D
 Acq On : 02 Sep 2023 06:44
 Operator : MD/SY
 Sample : 04250-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C2

Quant Time: Sep 04 01:36:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 02 00:23:04 2023
 Response via : Initial Calibration

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

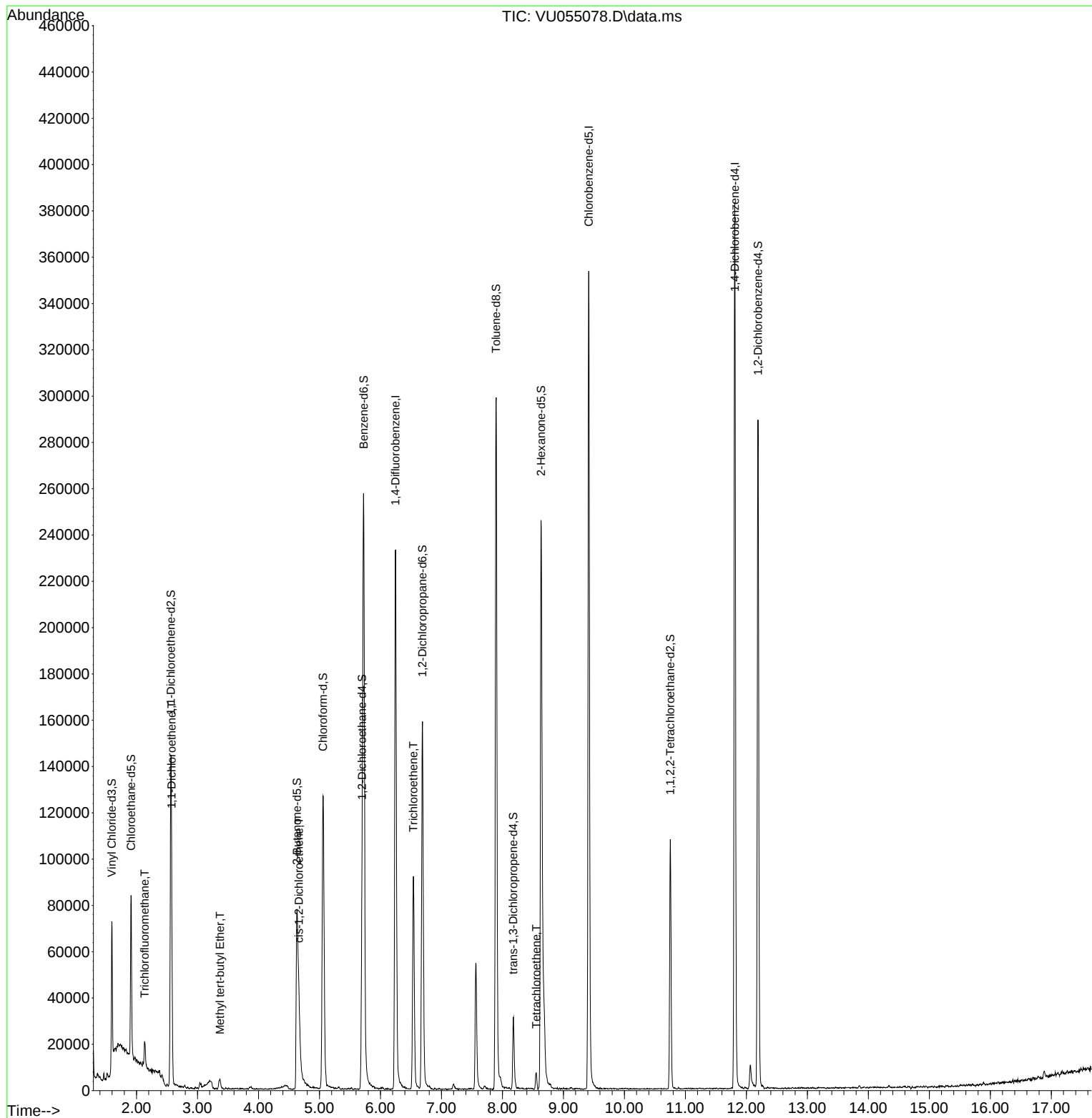
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	186678	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	192192	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	98398	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	40825	4.666	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.911	69	47072	4.648	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.563	65	24123	4.839	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	4.631	46	137089	53.994	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.980%
24) Chloroform-d	5.058	84	118306	5.096	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.698	65	61281	5.276	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.724	84	234512	4.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.688	67	74432	4.933	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.897	98	208508	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.177	79	18080	4.351	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.634	63	80567	47.758	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52728	4.969	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	73055	5.087	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.136	101	6455	0.381	ug/L	98
12) 1,1-Dichloroethene	2.576	96	10777	1.249	ug/L #	1
17) Methyl tert-butyl Ether	3.367	73	4794	0.212	ug/L #	83
22) cis-1,2-Dichloroethene	4.663	96	5982	0.558	ug/L	91
34) Trichloroethene	6.541	95	30736	2.704	ug/L	98
47) Tetrachloroethene	8.557	164	1534	0.195	ug/L	90

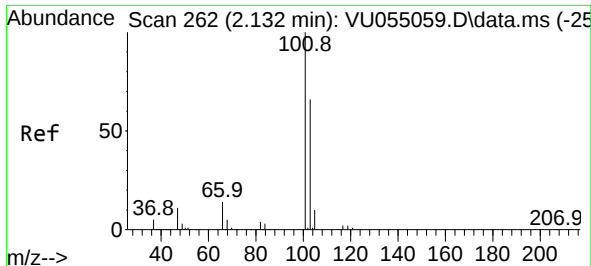
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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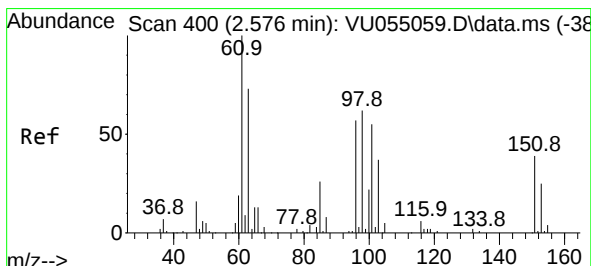
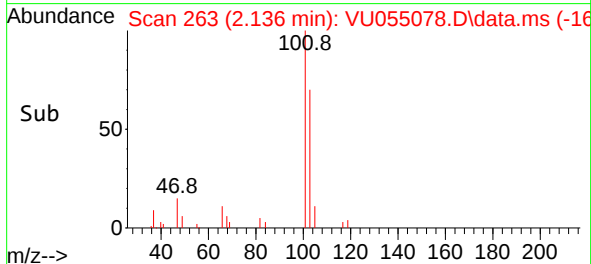
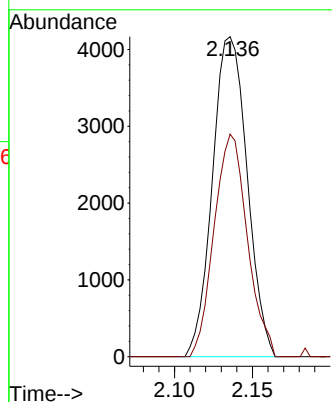
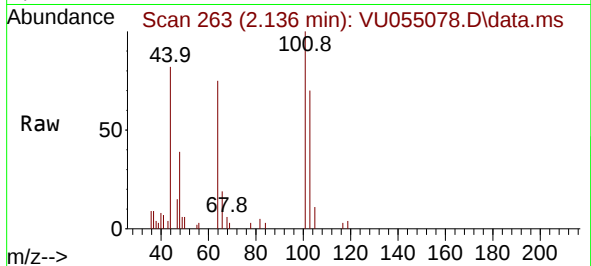




#9
 Trichlorofluoromethane
 Concen: 0.381 ug/L
 RT: 2.136 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU055078.D
 Acq: 02 Sep 2023 06:44

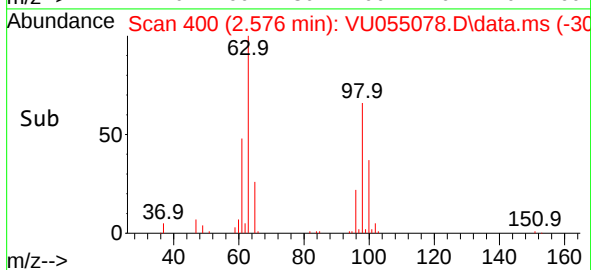
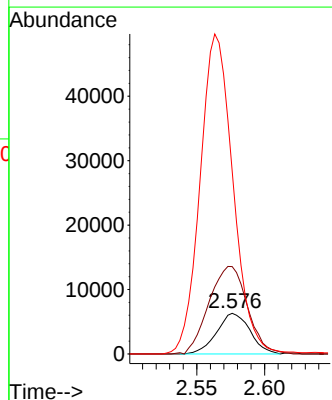
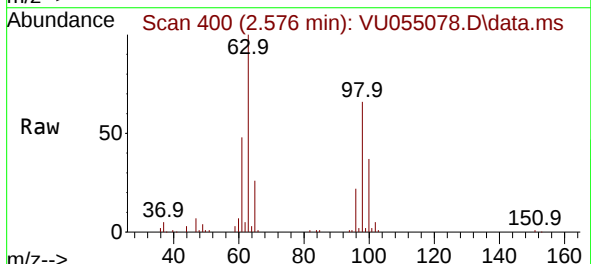
Instrument :
 MSVOA_U
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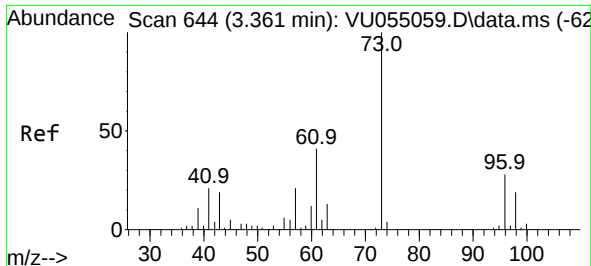
Tgt Ion:101 Resp: 6455
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.9 77.9



#12
 1,1-Dichloroethene
 Concen: 1.249 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055078.D
 Acq: 02 Sep 2023 06:44

Tgt Ion: 96 Resp: 10777
 Ion Ratio Lower Upper
 96 100
 61 214.6 120.8 224.4
 63 448.9 94.5 175.5#

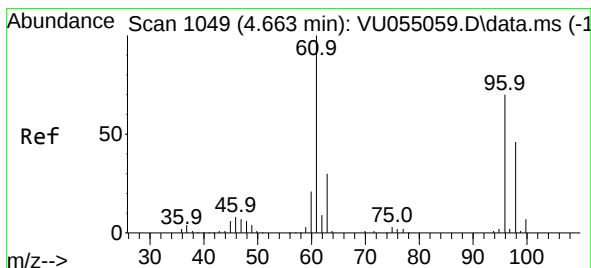
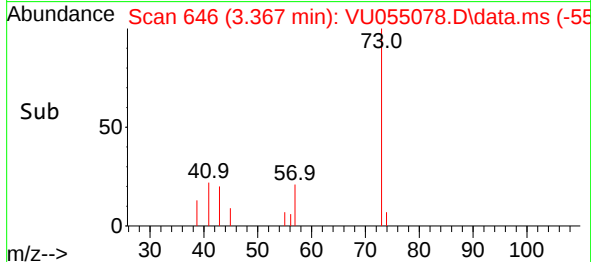
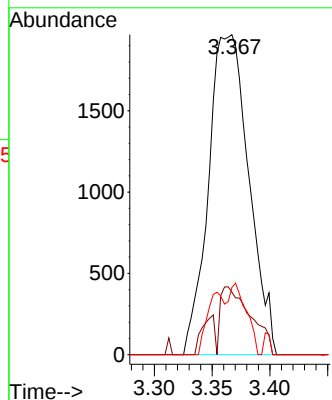
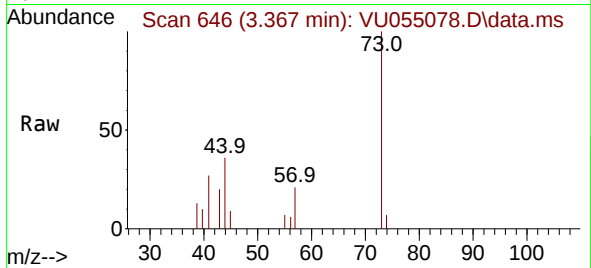




#17
Methyl tert-butyl Ether
Concen: 0.212 ug/L
RT: 3.367 min Scan# 644
Delta R.T. 0.006 min
Lab File: VU055078.D
Acq: 02 Sep 2023 06:44

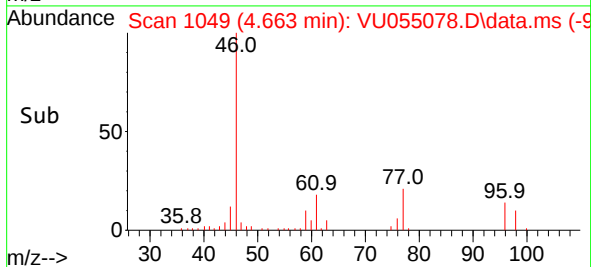
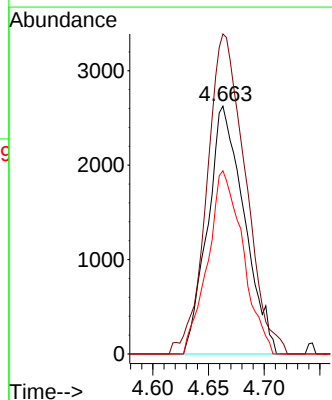
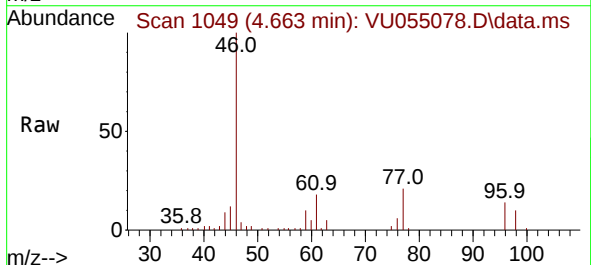
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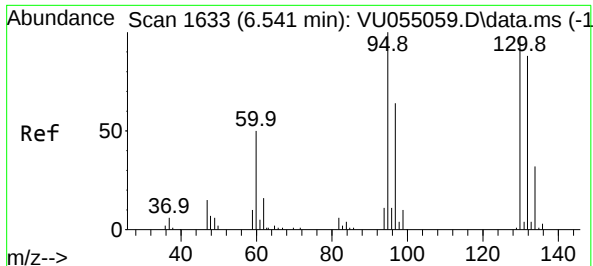
Tgt Ion: 73 Resp: 4794
Ion Ratio Lower Upper
73 100
43 15.8 16.2 24.2#
57 10.0 17.4 26.2#



#22
cis-1,2-Dichloroethene
Concen: 0.558 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055078.D
Acq: 02 Sep 2023 06:44

Tgt Ion: 96 Resp: 5982
Ion Ratio Lower Upper
96 100
61 129.1 97.2 180.4
98 73.9 46.1 85.7

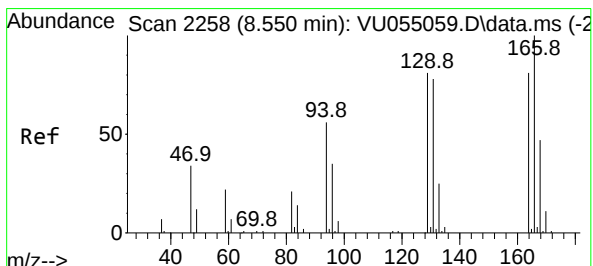
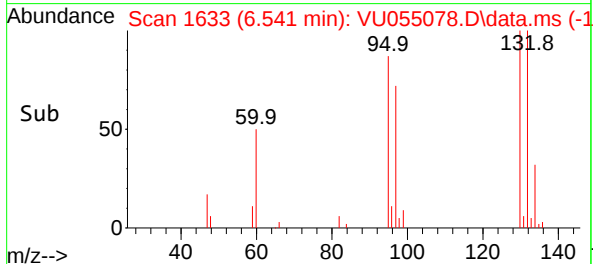
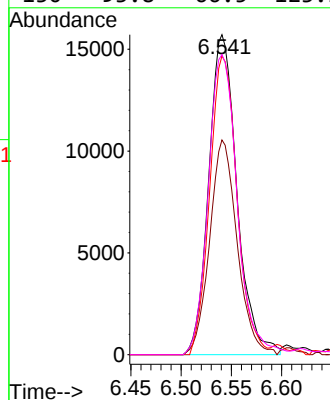
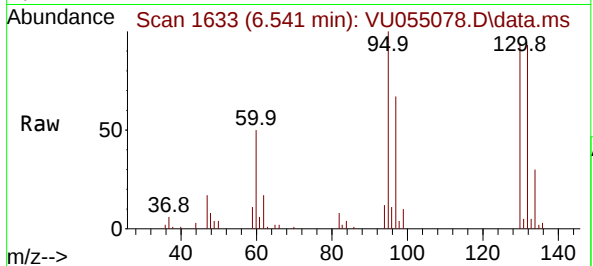




#34
Trichloroethene
Concen: 2.704 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055078.D
Acq: 02 Sep 2023 06:44

Instrument :
MSVOA_U
ClientSampleId :
BH4C2

Tgt Ion: 95 Resp: 30736
Ion Ratio Lower Upper
95 100
97 67.1 44.7 83.1
132 93.4 66.6 123.6
130 93.8 66.5 123.5



#47
Tetrachloroethene
Concen: 0.195 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. 0.006 min
Lab File: VU055078.D
Acq: 02 Sep 2023 06:44

Tgt Ion: 164 Resp: 1534
Ion Ratio Lower Upper
164 100
129 82.1 69.2 128.6
131 95.4 68.8 127.8
166 119.3 92.3 171.5

