

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017968.D
 Acq On : 13 Aug 2020 13:50
 Operator : SY/MD
 Sample : L3644-14DL 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L75DL

Quant Time: Aug 14 04:41:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 04:14:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	256052	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	253045	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	121486	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82473	42.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.44%
7) Chloroethane-d5	1.58	69	71764	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.12	63	127383	34.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.18%
21) 2-Butanone-d5	3.91	46	117826	92.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.08%
24) Chloroform-d	4.38	84	161621	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.90%
26) 1,2-Dichloroethane-d4	5.06	65	110805	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
32) Benzene-d6	5.08	84	326324	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
36) 1,2-Dichloropropane-d6	6.09	67	106917	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.78%
41) Toluene-d8	7.34	98	287985	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%
43) trans-1,3-Dichloropropene-	7.64	79	46114	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.18%
47) 2-Hexanone-d5	8.11	63	58420	79.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.85%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	131045	44.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	120163	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%

Target Compounds

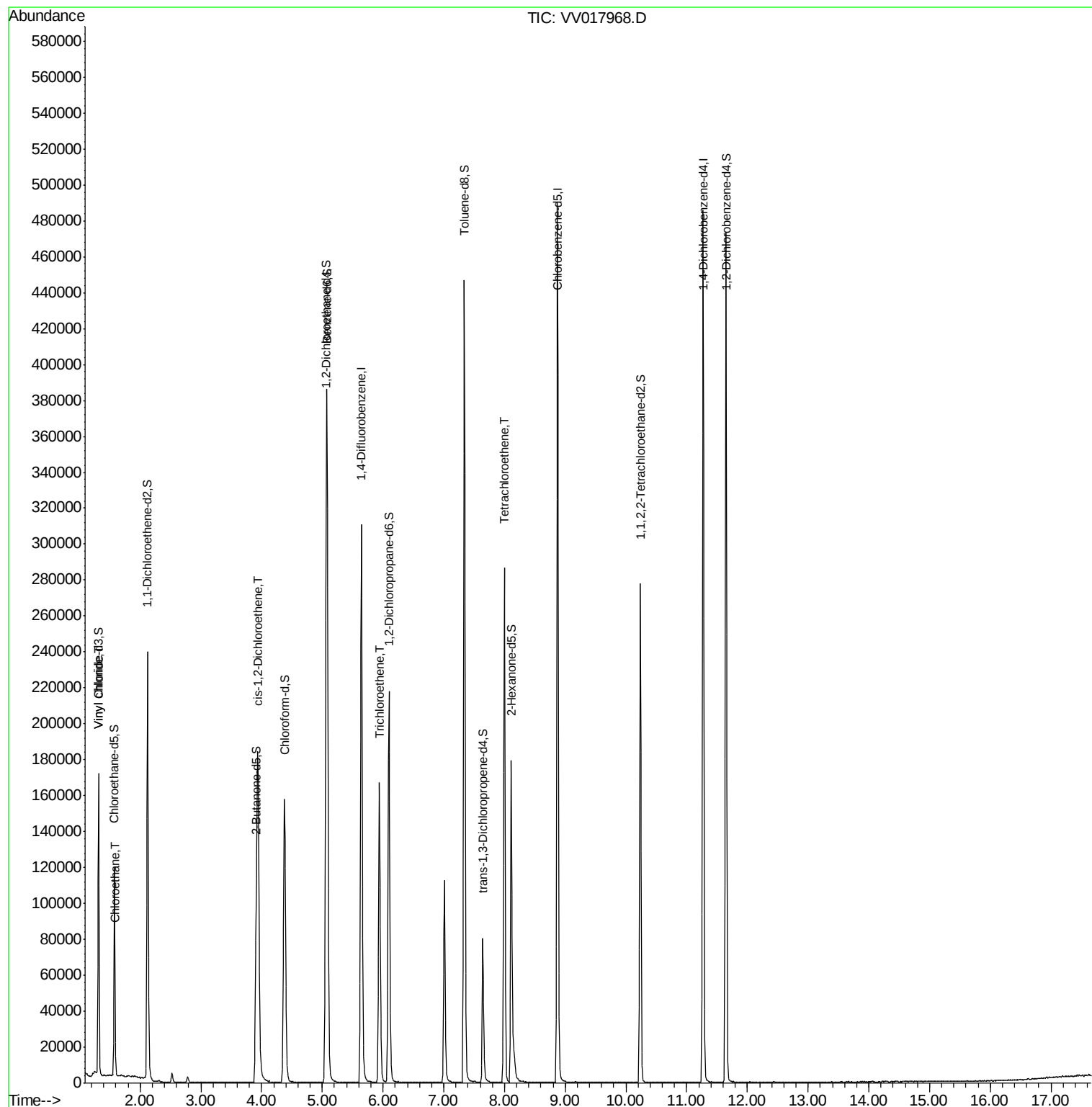
					Ovalue
5) Vinyl chloride	1.32	62	24431	10.738	ug/L 90
8) Chloroethane	1.60	64	1316	0.906	ug/L 89
20) cis-1,2-Dichloroethene	3.94	96	90819	46.809	ug/L 100
34) Trichloroethene	5.94	95	56200	27.158	ug/L 98
46) Tetrachloroethene	8.00	164	64612	42.573	ug/L 98

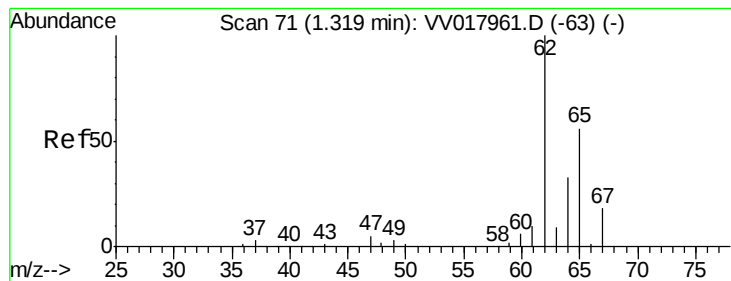
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 10.738 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017968.D

Acq: 13 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampled :

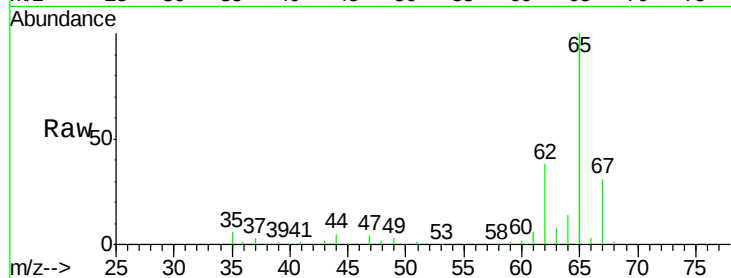
F2L75DL

Tot Ion: 62 Resp: 24431

Ion Ratio Lower Upper

62 100

64 37.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

25000

20000

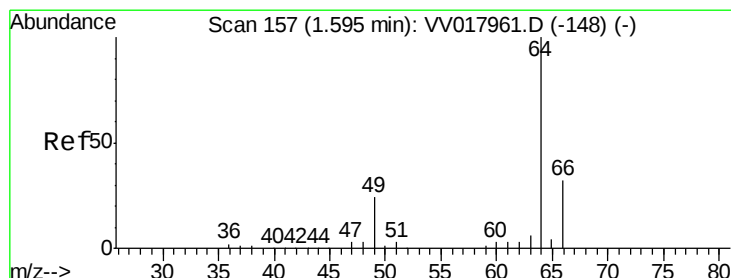
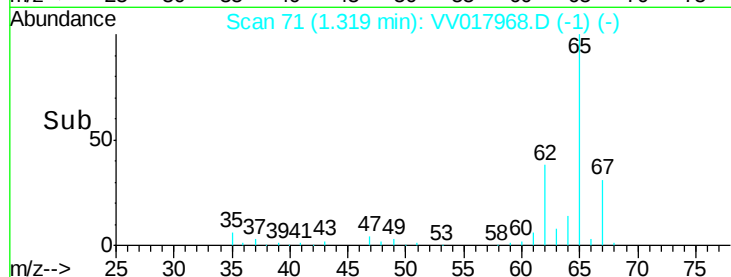
15000

10000

5000

0

Time-->



#8

Chloroethane

Concen: 0.906 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017968.D

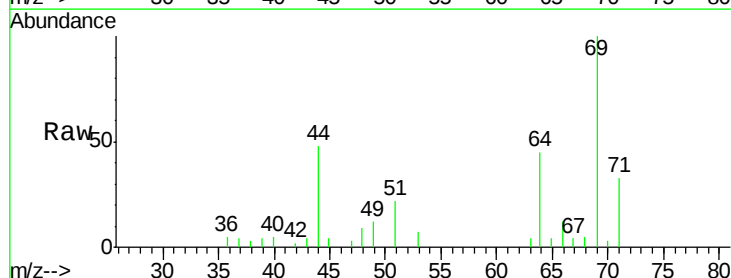
Acq: 13 Aug 2020 13:50

Tgt Ion: 64 Resp: 1316

Ion Ratio Lower Upper

64 100

66 25.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.60

2000

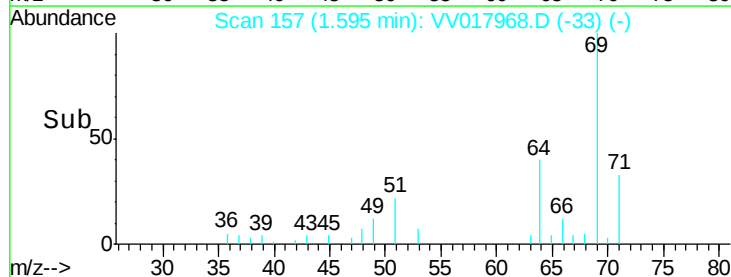
1500

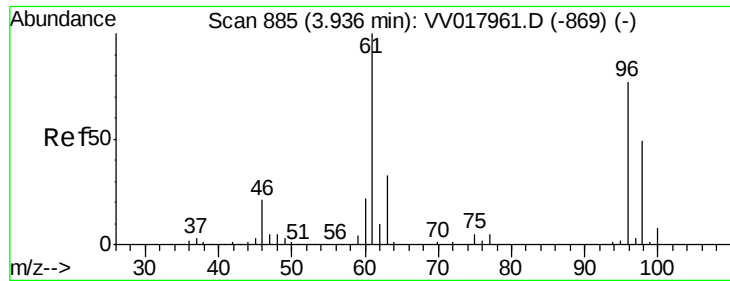
1000

500

0

Time-->

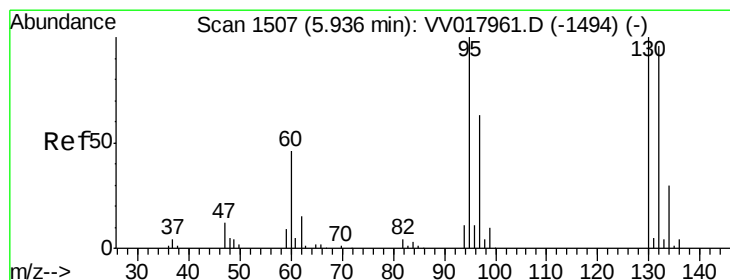
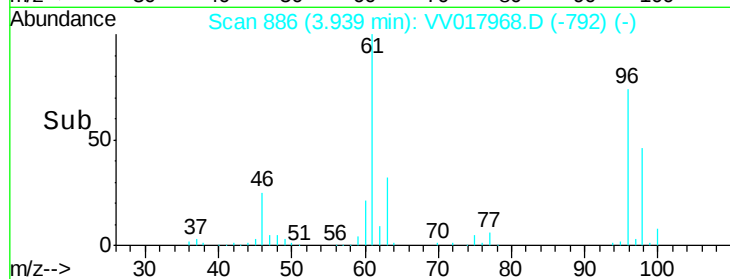
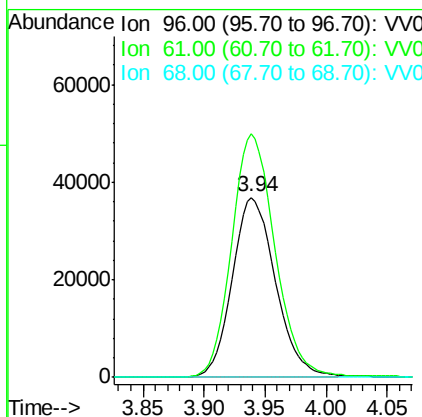
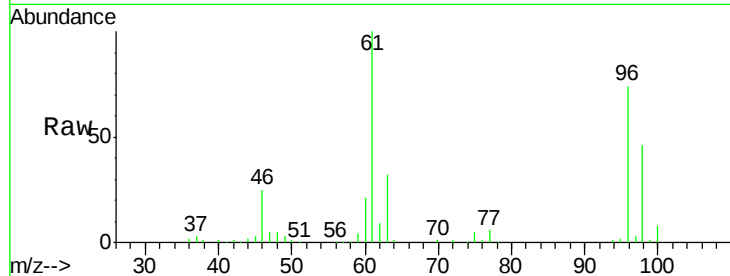




#20
 cis-1,2-Dichloroethene
 Concen: 46.809 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017968.D
 Acq: 13 Aug 2020 13:50

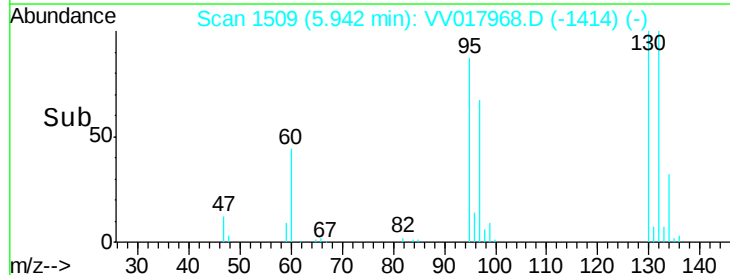
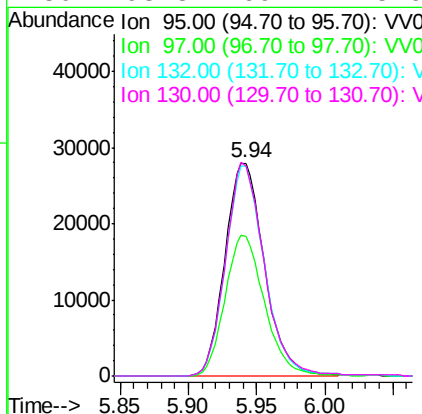
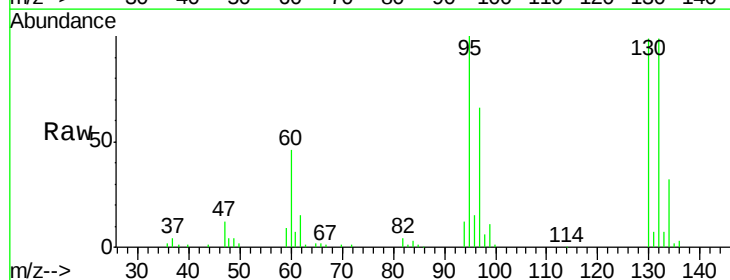
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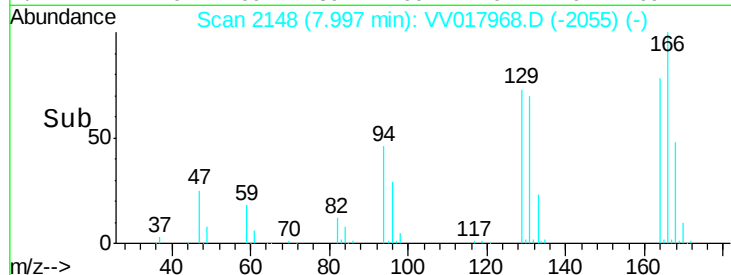
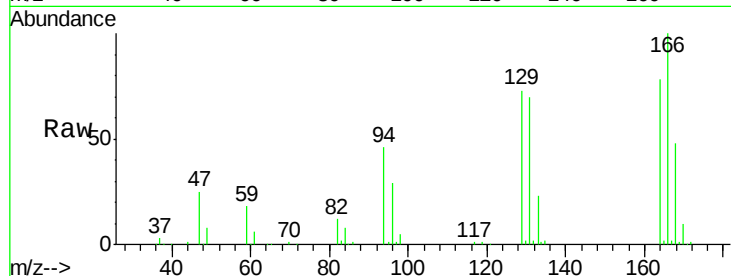
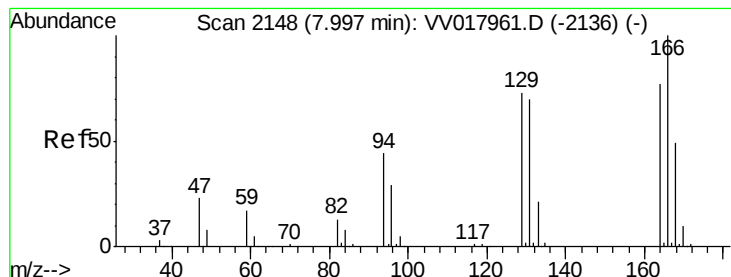
Tot Ion: 96 Resp: 90819
 Ion Ratio Lower Upper
 96 100
 61 135.4 95.0 176.4
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 27.158 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV017968.D
 Acq: 13 Aug 2020 13:50

Tgt Ion: 95 Resp: 56200
 Ion Ratio Lower Upper
 95 100
 97 65.8 46.0 85.4
 132 98.7 65.8 122.2
 130 98.8 69.2 128.6





#46

Tetrachloroethene

Concen: 42.573 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017968.D

Acq: 13 Aug 2020 13:50

Instrument :
MSVOA_V
ClientSampleId :
F2L75DL

Tot Ion:164 Resp: 64612

Ion Ratio Lower Upper

164 100

129 94.3 64.8 120.3

131 89.9 64.5 119.9

166 128.3 88.9 165.1

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

