

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007920.D
 Acq On : 27 Sep 2018 21:12
 Operator : SY/MD
 Sample : J5011-11DL2 250X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE9G1DL2

Quant Time: Sep 28 03:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 03:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	85884	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	80956	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40531	5.00	ug/L	0.00

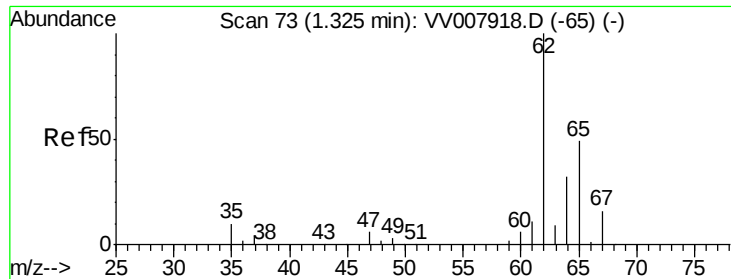
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21365	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.59	69	19956	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.14	63	37456	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	3.98	46	67795	48.95	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.90%
24) Chloroform-d	4.41	84	50340	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.09	65	28561	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	98701	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.13	67	30516	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.36	98	93275	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.67	79	9968	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.14	63	50137	48.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.30%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22489	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	38517	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1440	0.210 ug/L #	68
12) 1,1-Dichloroethene	2.14	96	1190	0.210 ug/L #	1
19) 1,1-Dichloroethane	3.23	63	3373	0.316 ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	12433	1.962 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	13138	1.350 ug/L	99
34) Trichloroethene	5.96	95	50744	7.645 ug/L	98
47) Tetrachloroethene	8.02	164	2122	0.345 ug/L	93

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



#5

Vinyl chloride

Concen: 0.210 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

Instrument :

MSVOA_V

ClientSampled :

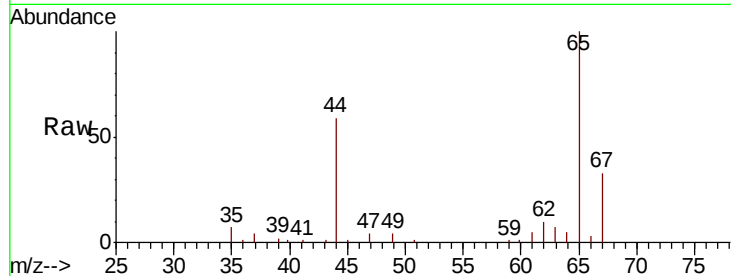
BE9G1DL2

Tot Ion: 62 Resp: 1440

Ion Ratio Lower Upper

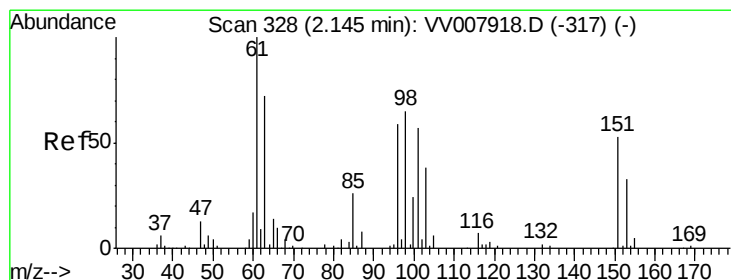
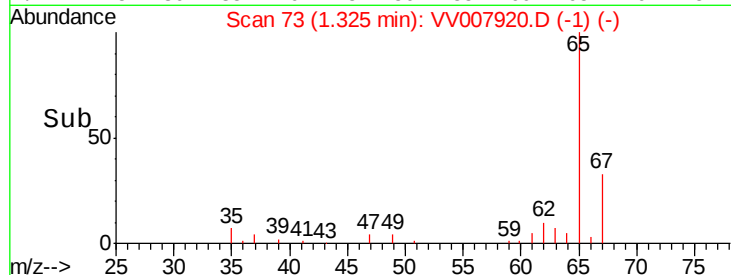
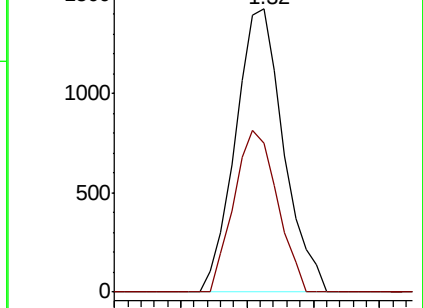
62 100

64 52.6 24.0 44.6#



Abundance Ion 62.00 (61.70 to 62.70): VV007918.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV007918.D (-65) (-)



#12

1,1-Dichloroethene

Concen: 0.210 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

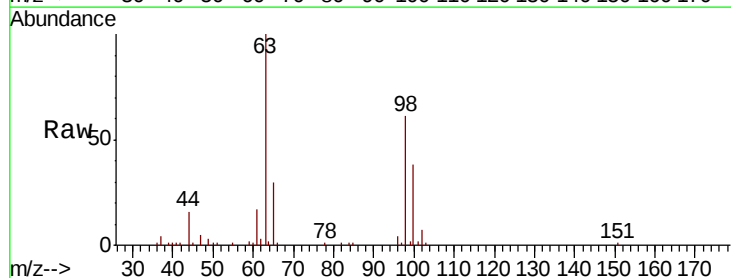
Tgt Ion: 96 Resp: 1190

Ion Ratio Lower Upper

96 100

61 434.9 114.1 211.9#

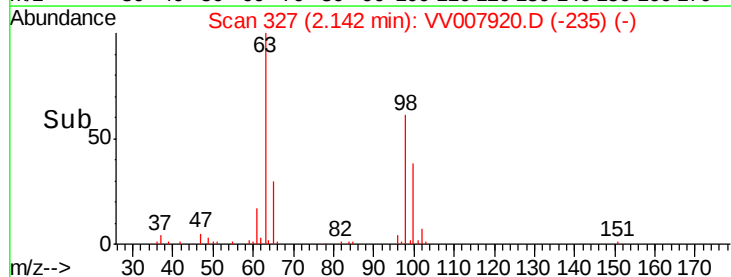
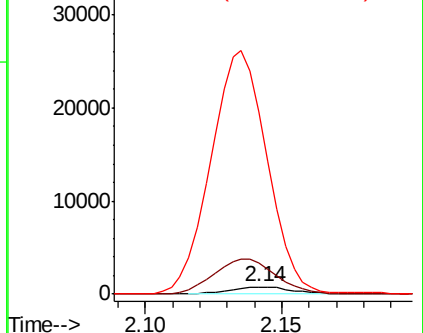
63 2530.4 81.5 151.3#

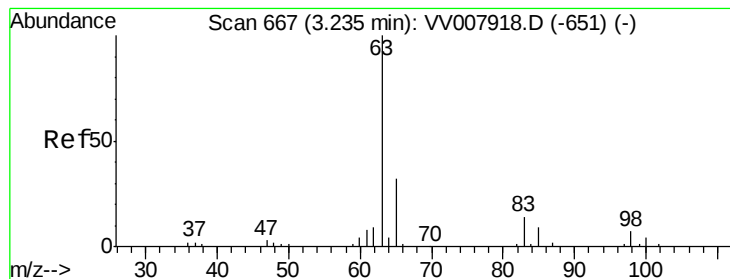


Abundance Ion 96.00 (95.70 to 96.70): VV007918.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV007918.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV007918.D (-317) (-)





#19

1,1-Dichloroethane

Concen: 0.316 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

Instrument :

MSVOA_V

ClientSampleId :

BE9G1DL2

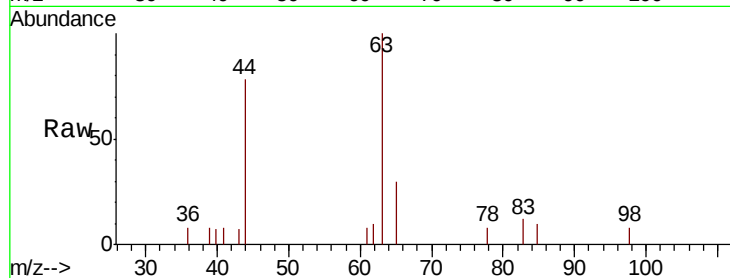
Tot Ion: 63 Resp: 3373

Ion Ratio Lower Upper

63 100

65 30.2 22.3 41.5

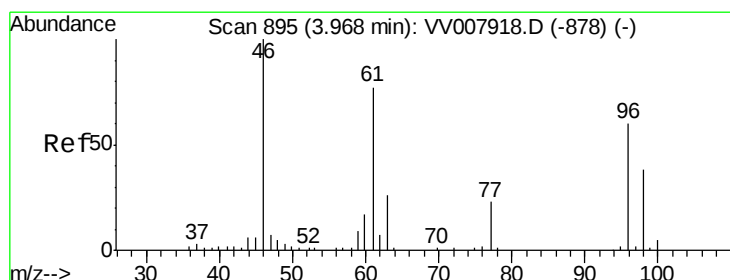
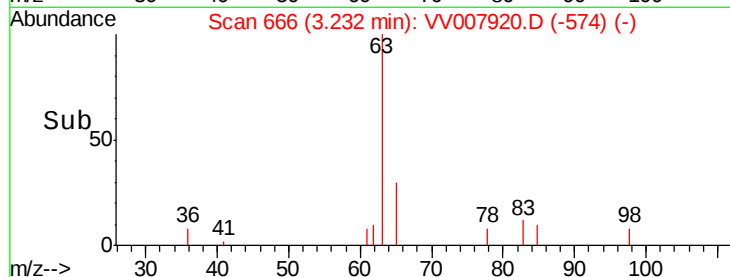
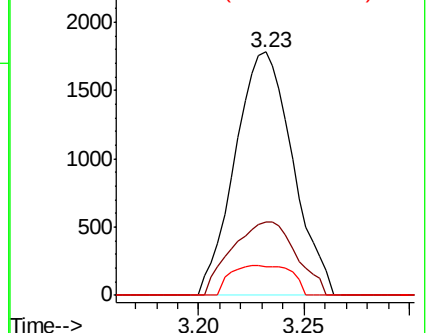
83 11.7 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV007918.D (-651) (-)

Ion 65.10 (64.80 to 65.80): VV007918.D (-651) (-)

Ion 83.05 (82.75 to 83.75): VV007918.D (-651) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.962 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

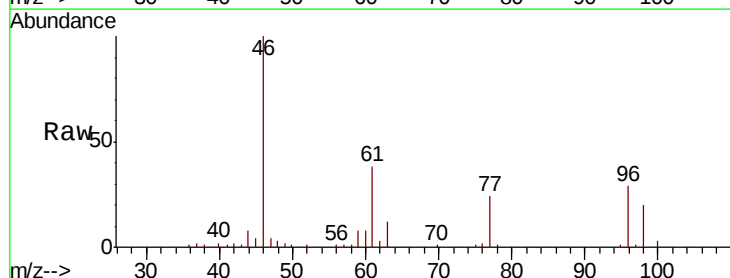
Tgt Ion: 96 Resp: 12433

Ion Ratio Lower Upper

96 100

61 128.1 89.5 166.1

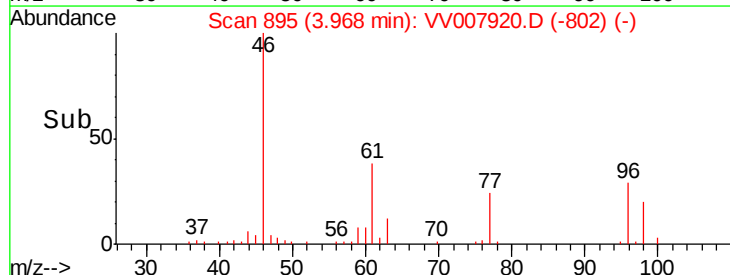
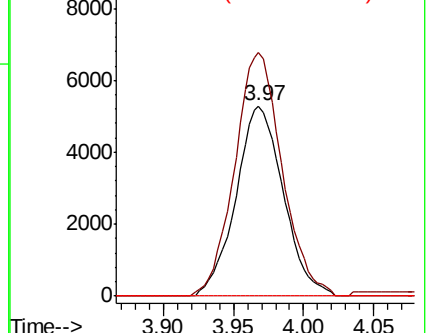
68 0.0 0.0 0.0

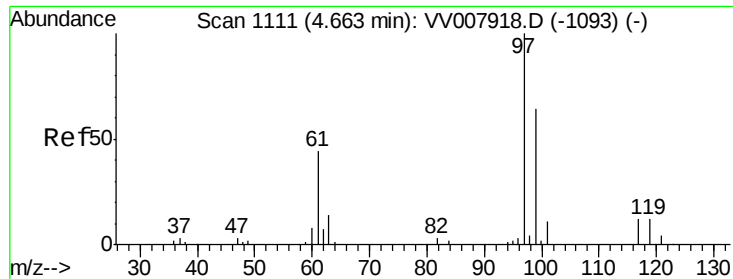


Abundance Ion 96.00 (95.70 to 96.70): VV007918.D (-878) (-)

Ion 61.05 (60.75 to 61.75): VV007918.D (-878) (-)

Ion 68.15 (67.85 to 68.85): VV007918.D (-878) (-)

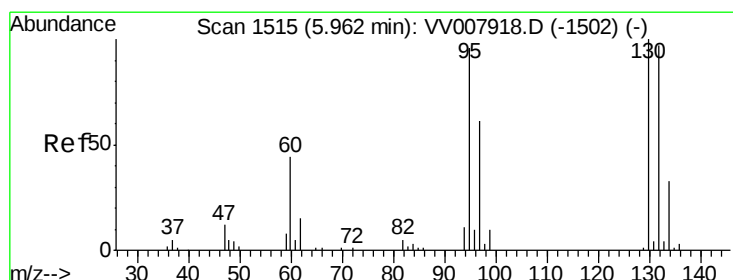
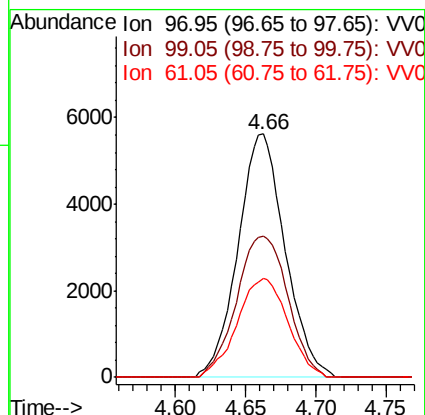
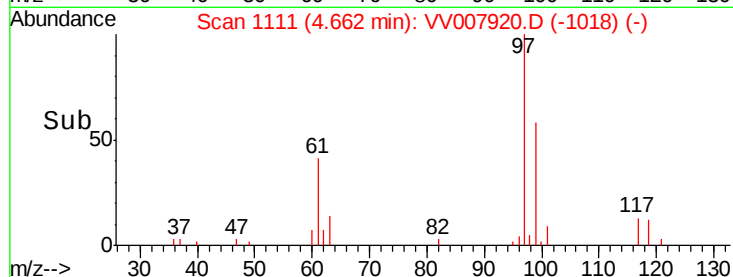
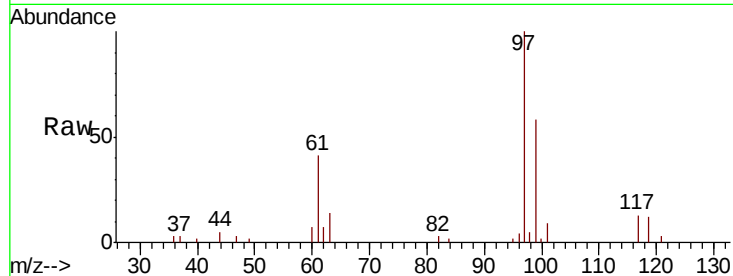




#29
 1,1,1-Trichloroethane
 Concen: 1.350 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV007920.D
 Acq: 27 Sep 2018 21:12

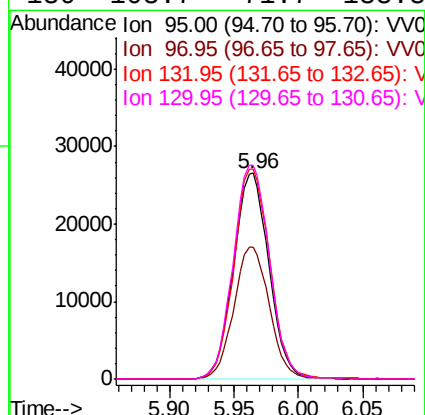
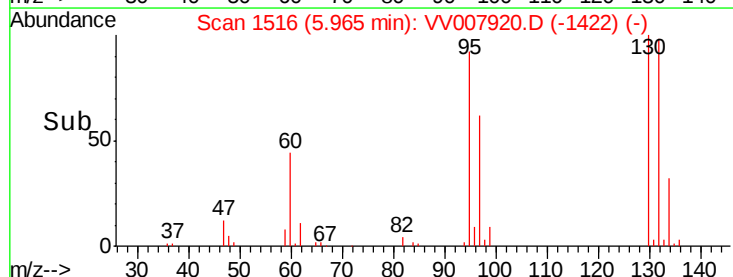
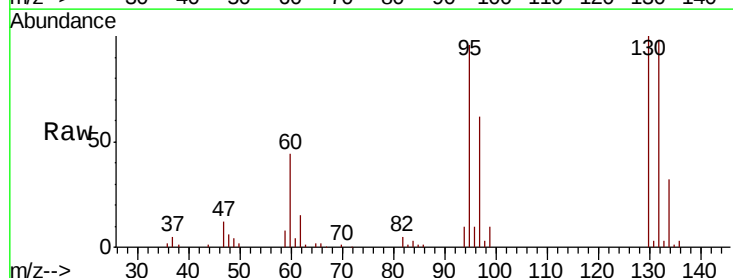
Instrument :
 MSVOA_V
 ClientSampleId :
 BE9G1DL2

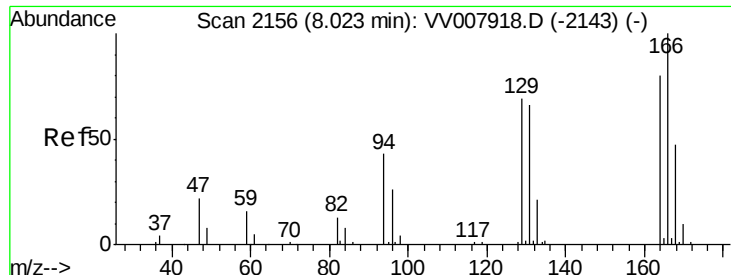
Tot Ion: 97 Resp: 13138
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.2 76.8
 61 43.6 34.6 52.0



#34
 Trichloroethene
 Concen: 7.645 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV007920.D
 Acq: 27 Sep 2018 21:12

Tgt Ion: 95 Resp: 50744
 Ion Ratio Lower Upper
 95 100
 97 64.2 43.6 81.0
 132 101.7 69.9 129.9
 130 103.7 71.7 133.3





#47

Tetrachloroethene

Concen: 0.345 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007920.D

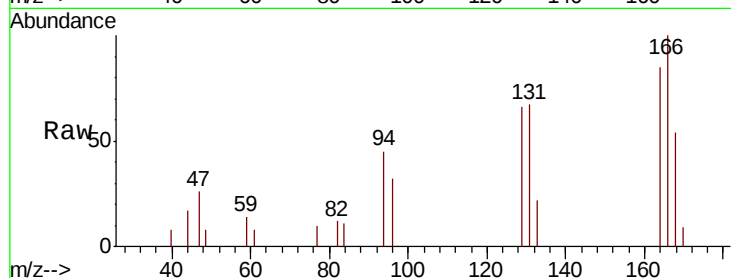
Acq: 27 Sep 2018 21:12

Instrument :

MSVOA_V

ClientSampleId :

BE9G1DL2



Tot Ion:164 Resp: 2122

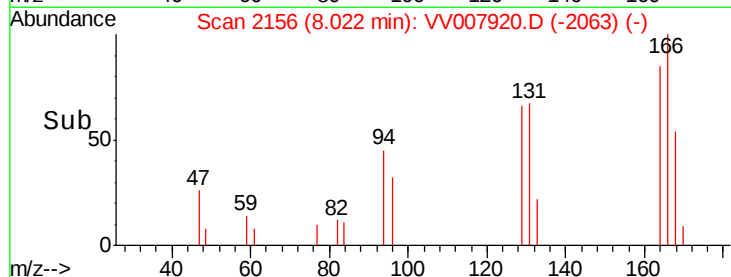
Ion Ratio Lower Upper

164 100

129 77.3 59.2 110.0

131 78.3 57.1 106.1

166 117.5 88.6 164.6



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

