

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017182.D
 Acq On : 12 Nov 2020 14:10
 Operator : SY/VA
 Sample : L4693-16
 Misc : 4.78G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E2

Quant Time: Nov 13 04:52:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 04:11:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	446440	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	384642	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	148478	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128142	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
7) Chloroethane-d5	2.89	69	107430	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.16%
10) 1,1-Dichloroethene-d2	4.02	63	172010	17.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.40%
20) 2-Butanone-d5	7.08	46	47724	37.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.90%
24) Chloroform-d	7.65	84	254707	24.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.76%
26) 1,2-Dichloroethane-d4	8.31	65	128164	24.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.96%
29) Benzene-d6	8.28	84	504535	25.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.04%
33) 1,2-Dichloropropane-d6	9.27	67	140779	25.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.92%
37) Toluene-d8	10.33	98	469652	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.72%
38) trans-1,3-Dichloropropene-	10.58	79	52437	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.88%
39) 2-Hexanone-d5	10.93	63	36654	38.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	104754	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	131123	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%

Target Compounds

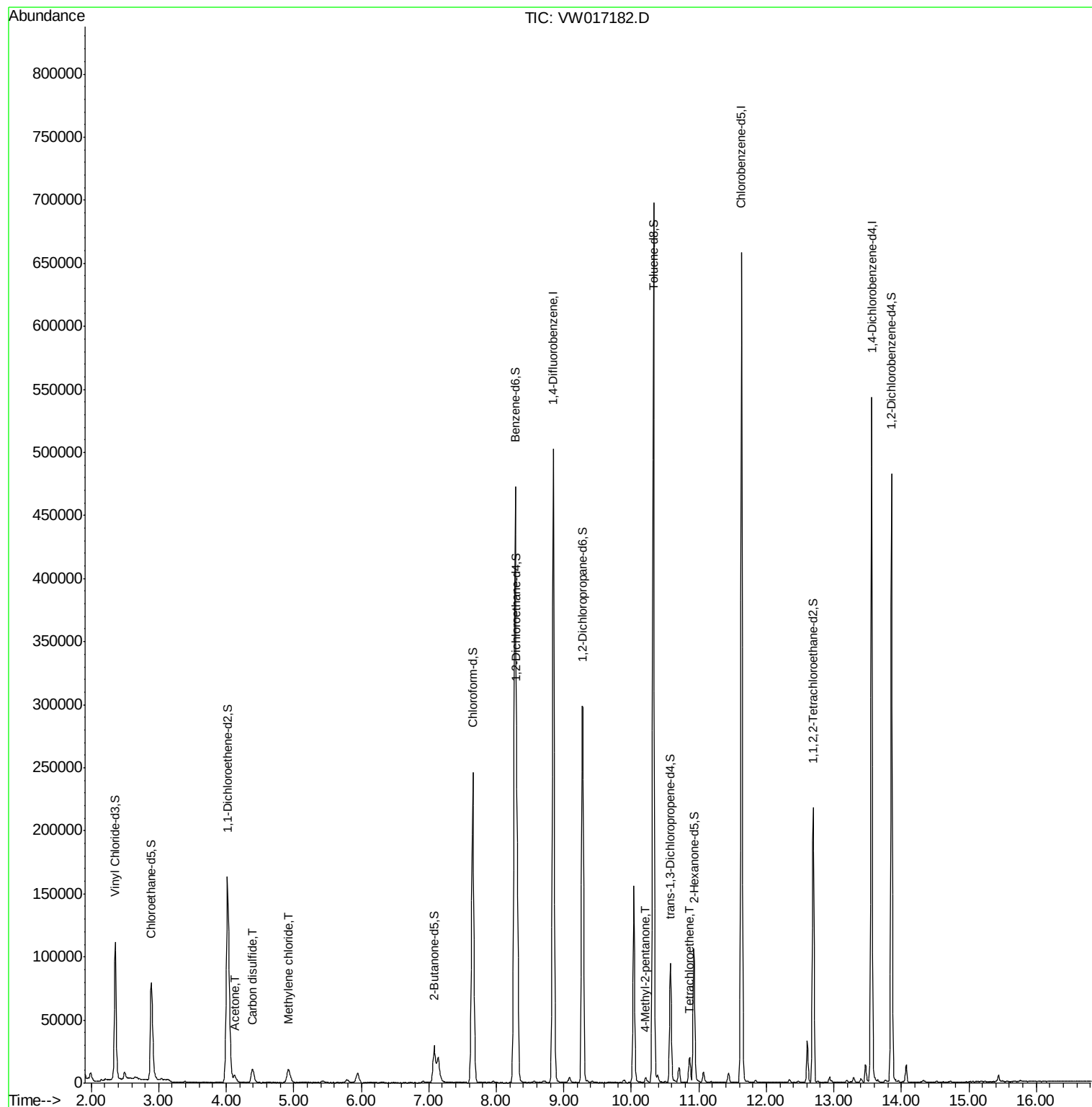
					Ovalue
13) Acetone	4.12	43	8397	9.973	ug/L 95
14) Carbon disulfide	4.39	76	23166	1.536	ug/L 97
16) Methylene chloride	4.92	84	10195	1.694	ug/L 97
43) 4-Methyl-2-pentanone	10.21	43	2626	0.902	ug/L 95
47) Tetrachloroethene	10.86	164	4759	0.932	ug/L 95

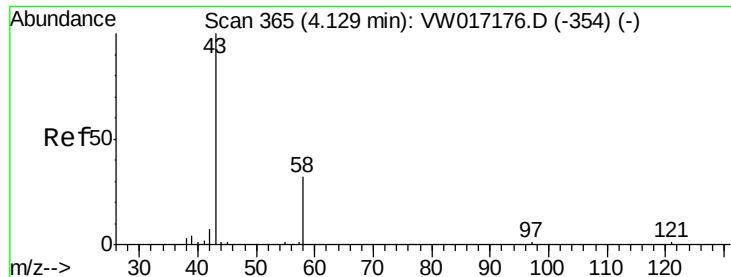
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.973 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

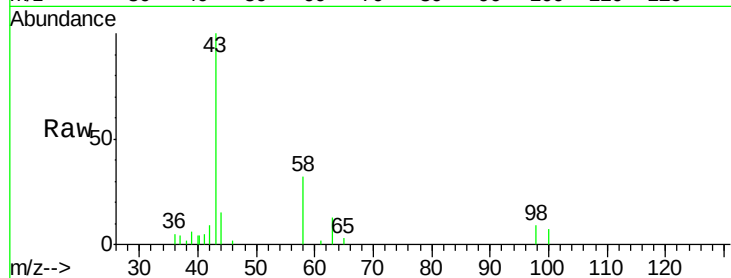
BG4E2

Tot Ion: 43 Resp: 8397

Ion Ratio Lower Upper

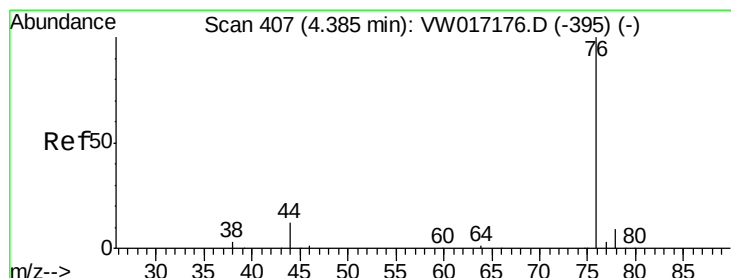
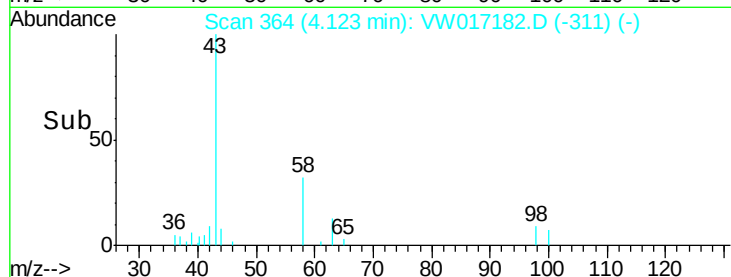
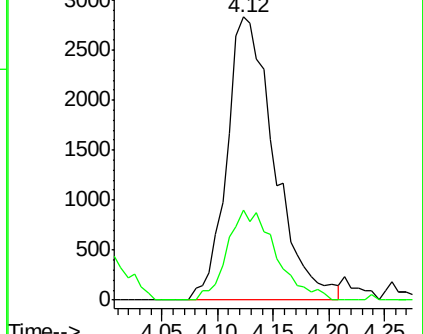
43 100

58 31.8 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.536 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017182.D

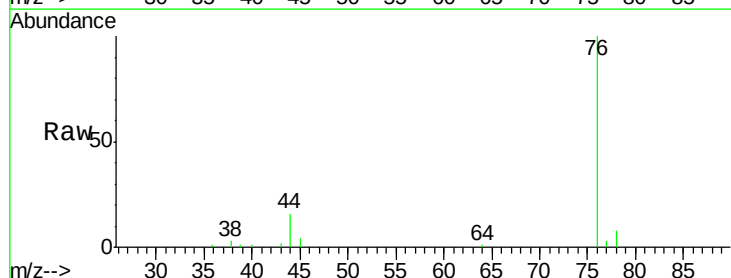
Acq: 12 Nov 2020 14:10

Tgt Ion: 76 Resp: 23166

Ion Ratio Lower Upper

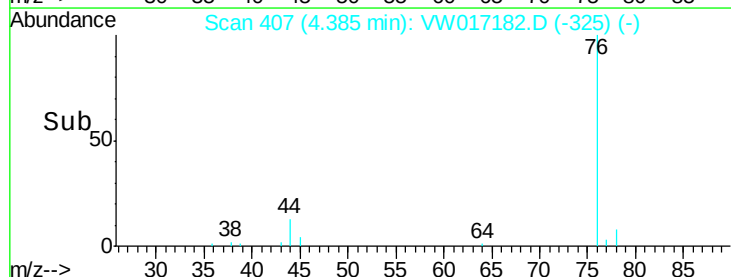
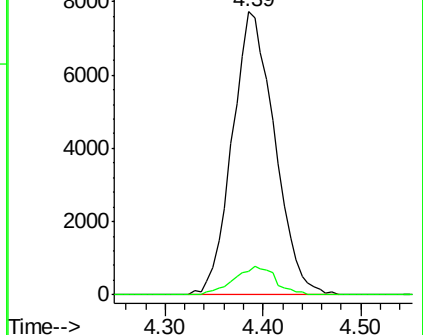
76 100

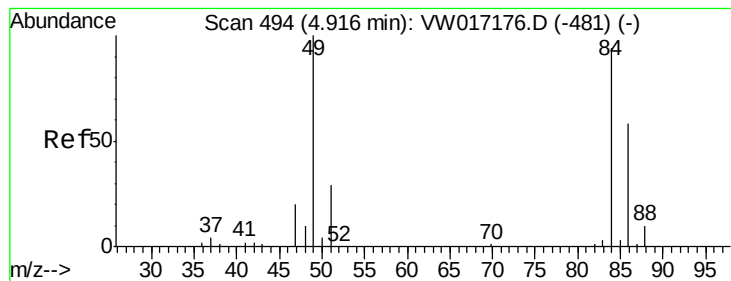
78 8.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 1.694 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

BG4E2

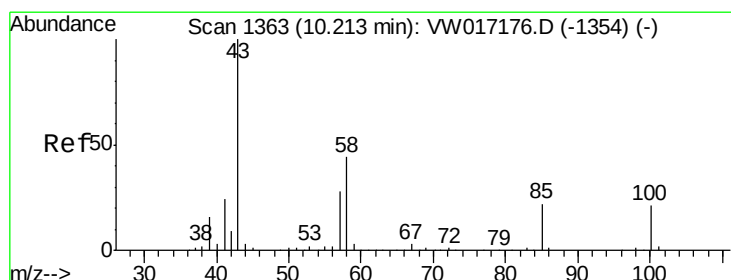
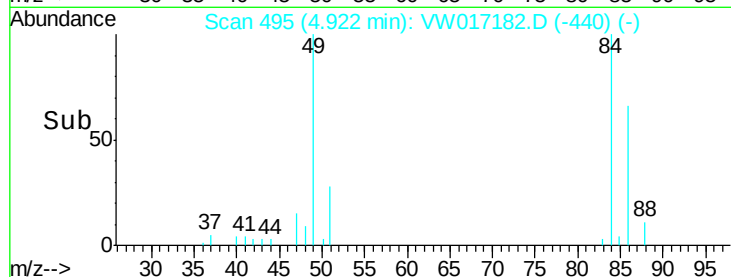
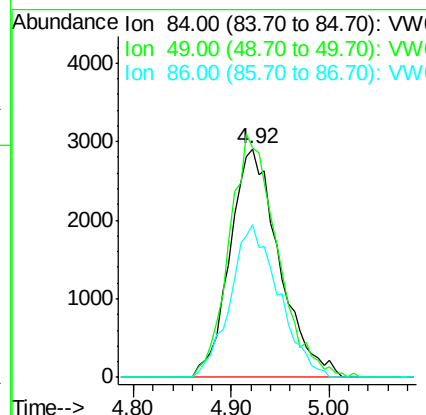
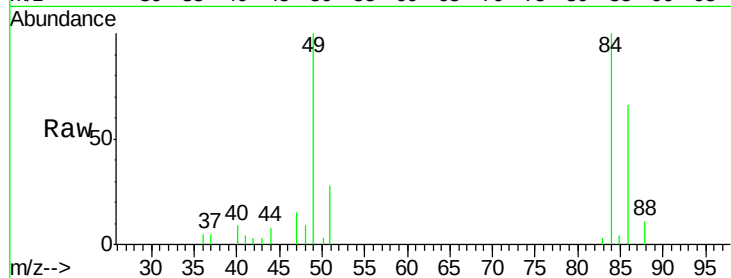
Tot Ion: 84 Resp: 10195

Ion Ratio Lower Upper

84 100

49 100.4 72.3 134.3

86 66.6 45.1 83.7



#43

4-Methyl-2-pentanone

Concen: 0.902 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

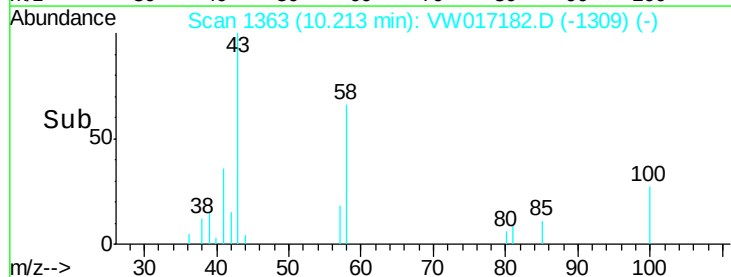
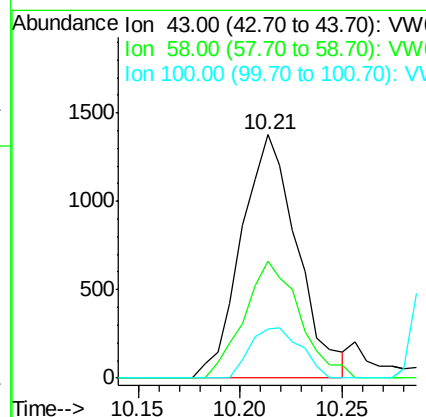
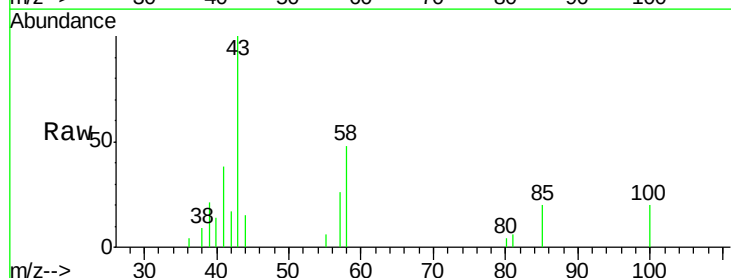
Tgt Ion: 43 Resp: 2626

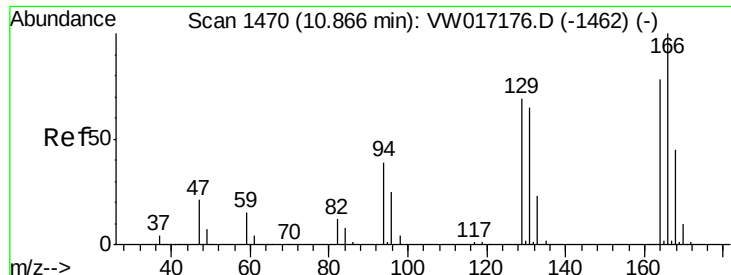
Ion Ratio Lower Upper

43 100

58 47.7 35.0 52.6

100 18.7 16.6 24.8





#47

Tetrachloroethene

Concen: 0.932 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017182.D

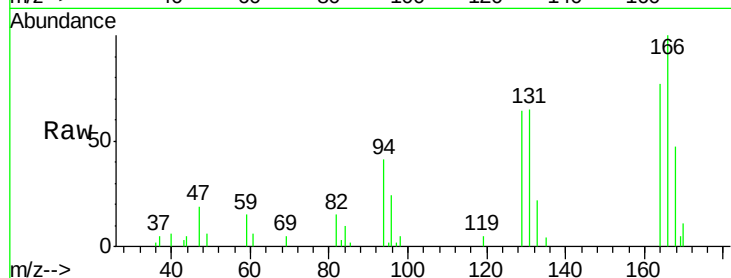
Acq: 12 Nov 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

BG4E2



Tot Ion:164 Resp: 4759

Ion Ratio Lower Upper

164 100

129 82.0 62.9 116.7

131 83.5 63.3 117.5

166 129.1 92.0 170.8

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

