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Atmospheric Measurement Techniques Discussions



# *Interactive comment on* "Real-time monitoring of trace-level VOCs by an ultrasensitive compact lamp-based VUV photoionization mass spectrometer" *by* W. Q. Sun et al.

**W. Q. Sun et al.**

jshu@rcees.ac.cn

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The concentrations of benzene in the period of 3/8 10:00 to 3/10 17:00 were in the range of 0.1-0.3 ppbv, shown in the inset of Figure 1. The instrument was checked and calibrated with 10 ppbv benzene at 3/8 13:00. The calibration result showed that the instrument was running normally at that time. Therefore, we think that the data should be right. The sentence "These interesting observation results reveal that the wind can remove effectively the airborne pollutants." was deleted. In addition, the variations in the concentration of NOx, CO, PM2.5, and SO2 obtained from the Beijing Urban Ecosystem Research Station (see Figure 2) are similar to that of benzene. This

information has been added in the revised manuscript.

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Interactive comment on Atmos. Meas. Tech. Discuss., 8, 5877, 2015.





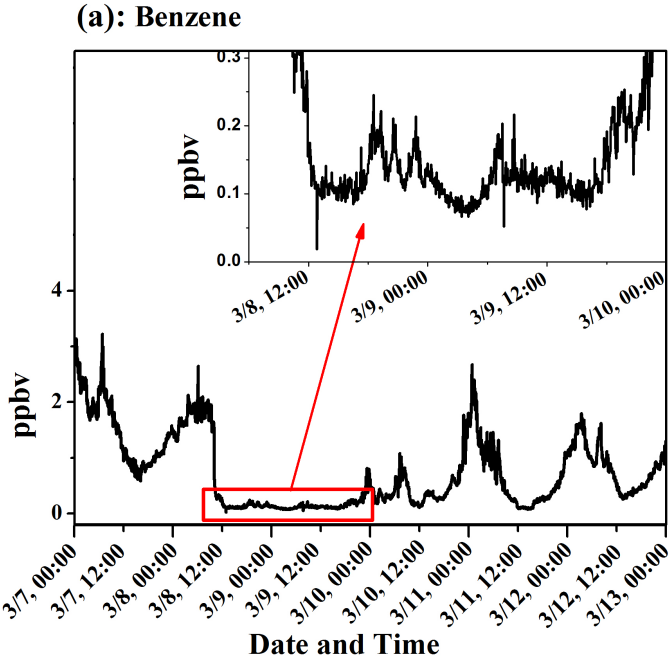


**Fig. 1.** Partially enlarged plot of outdoor air spectrum



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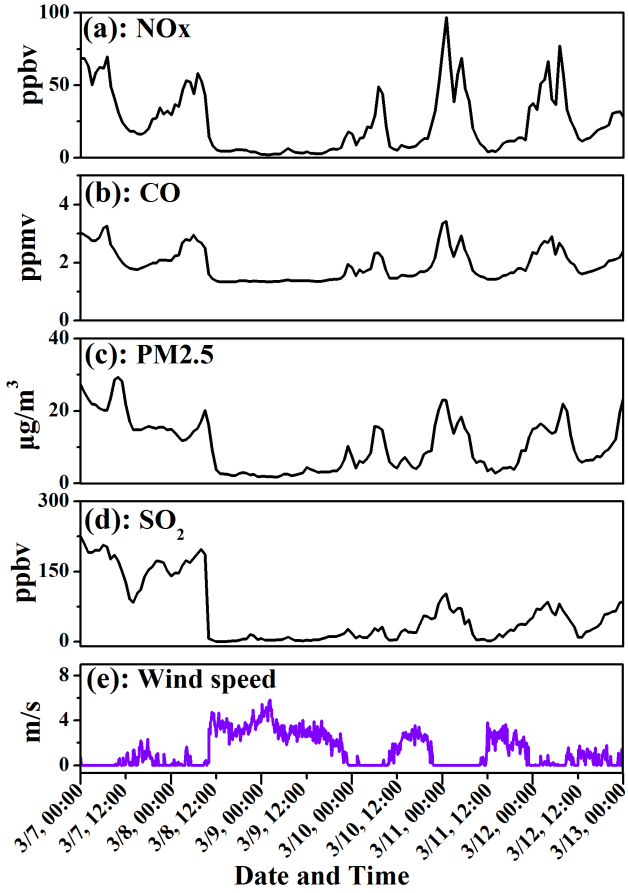


**Fig. 2.** Concentration variations of NOx, CO, PM2.5, SO2, and wend speed



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