This study developed a new method and system to determine stable carbon isotope in both the water-soluble organic carbon in the gaseous and particle phases. The novelty of this study lies in the method and its potential application. They also found the difference in WSOC mass concentration and the isotope composition between the day and night samples. Although the explanation of the influencing factors for the differences remains unresolved, I strongly recommend it for a quick publication after they can address the following specific comments.

Specific comments:
Line 26-27: the sentence was not clear.
The authors should use the isotope expression more carefully. For examples: lower, higher, depleted or enriched. For example, to say that "one sample is enriched in 15N relative to another because of ..." is proper usage. Phrases such as "a sample has an enriched d15N value" are misuses of terminology.
Line 38-40: rewording is necessary
Line 149: details are needed here,
Was the method for 13C in WSOC improved or optimized compared to the previous method. If so, the details should be given or highlighted.
The influences of the metrological condition and chemical composition should be reordered. the mechanism for the WSOCg-WSOCp distribution was not well explained and further discussion is needed.