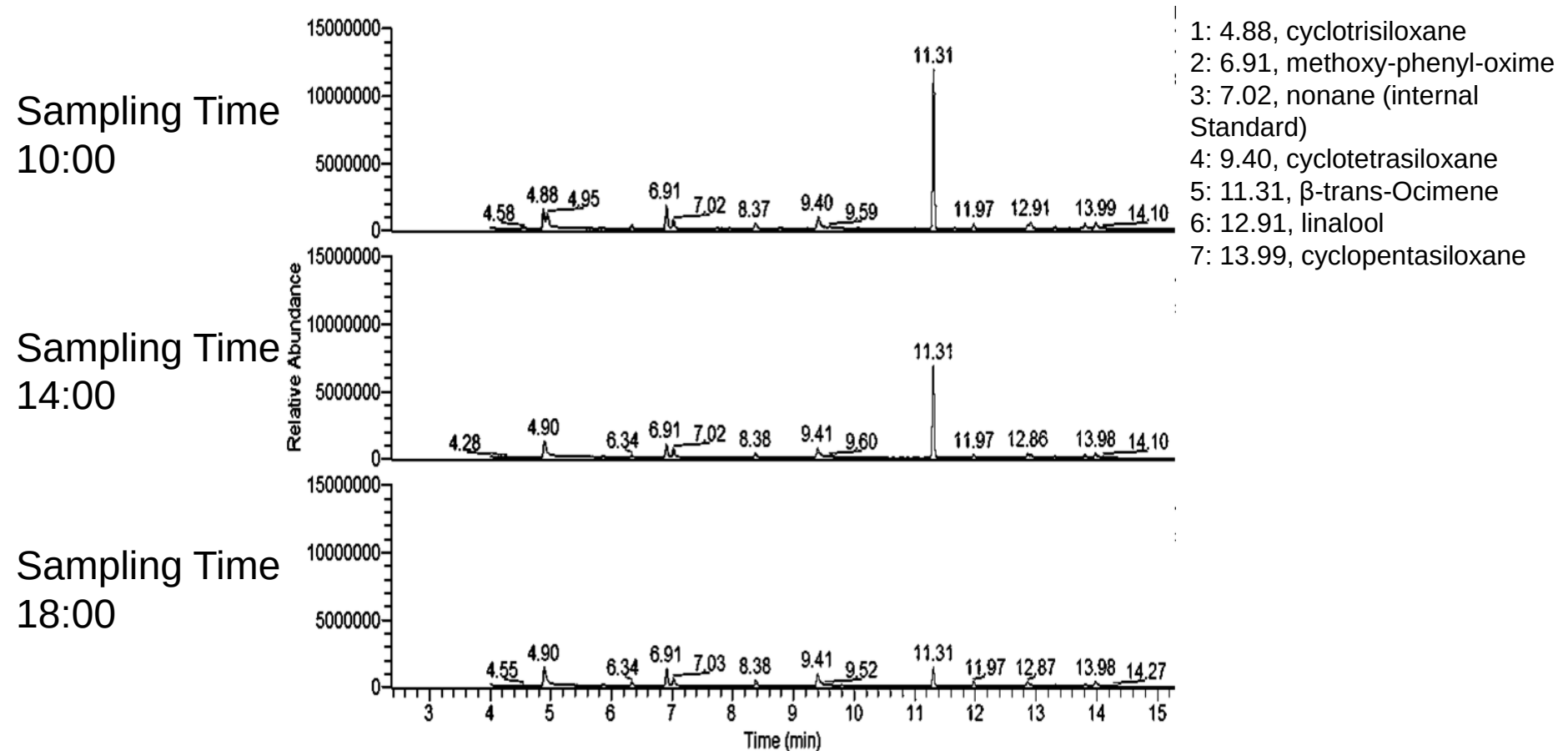


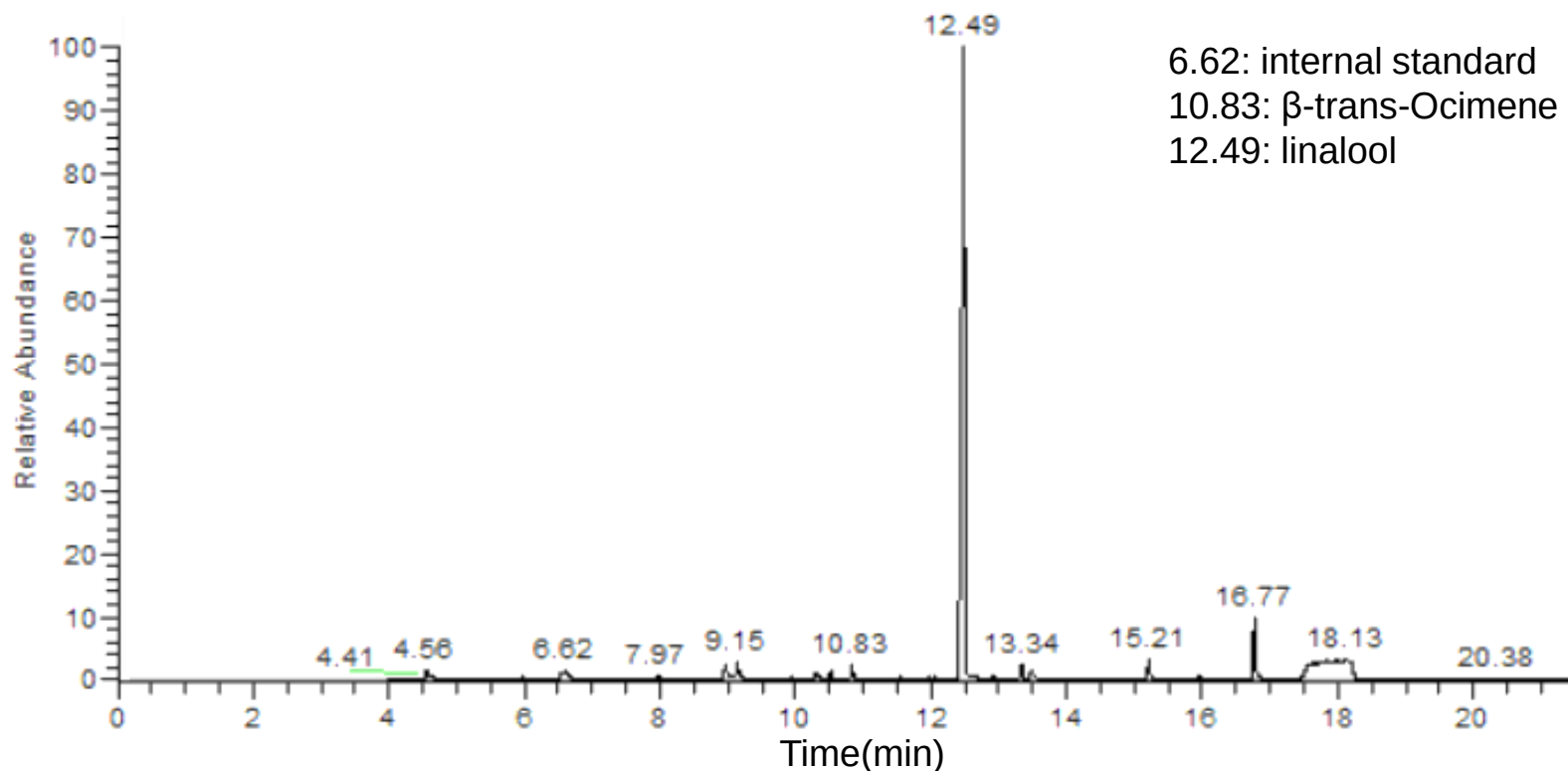
Sample: *Oncidium* Sharry Baby



Supplemental fig. 1. the GC-MS spectrum of floral scent from *Oncidium* Sharry Baby flowers in different times.

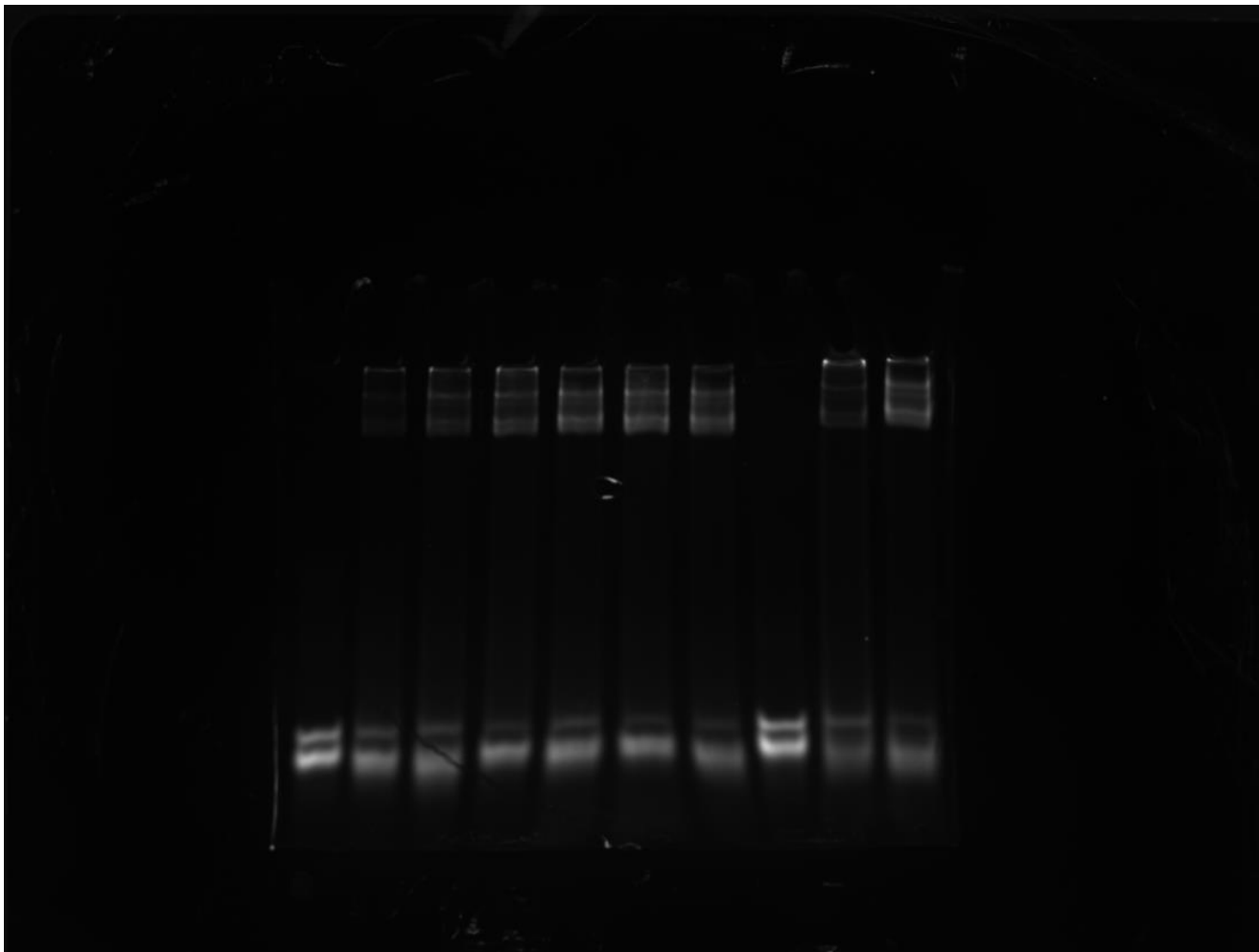
The volatile terpenes, ocimene and linalool display the peaks at RT=11.31 and 12.91 respectively. The profiles decipher floral scents are diurnally emitted highly at 10:00 o'clock and lower at 18:00 o'clock. The GC spectrum showed that there is a circadian rhythm of floral scent emissions.

Buffer: pH 7.0 phosphate buffer, 1mM MnCl₂, 100mM MgCl₂
Incubation situation: 37°C, 4hrs



Supplemental fig. 2. the enzymatic activities assay of TPS.

TPS recombinant protein was purified, then fed with the precursor GDP, and reacted at 37°C for 4hrs. The GC-MS data suggested that the final product was linalool and ocimene. The SPME and GC-MS analysis conditions was described in text.



Supplemental fig. 3. The uncropped image of figure 6.

In order to ensure the compliance with the digital image and integrity policies, the uncropped image of figure 6 was attached. At two lanes on the right, we increased the concentration of CCA1 when the competitor was added. As the result showed, the fluorescence intensities of free probe decreased. To focus on the interaction between CCA1 and CBS, fig. 6 didn't show these two lanes.