

CMOS type sensor 5C-SSM

【Measurement data】 Eessential oil

Purpose: Evaluation of essential oil responsiveness

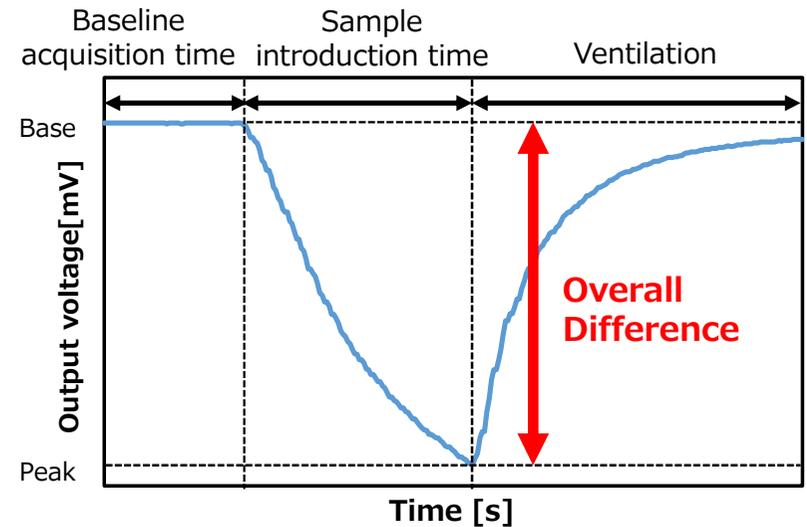
Membrane set: FS0101 (FS0200 and FS0300 showed weak essential oil response)

Samples: 9 types of essential oils from Muji

No.	Sample	Blend Details
1	Geranium	Sweet orange
2	Rosemary	Lavender
3	Lavender	Palmarosa
4	Sweet orange	Roman Chamomile
5	Lemon	Ho Wood
6	Grapefruit	Bergamot
7	Eucalyptus	Geranium
8	Blend : Chamomile	Clary Sage
9	Blend : Rose	Rose Abs
		Patchouli

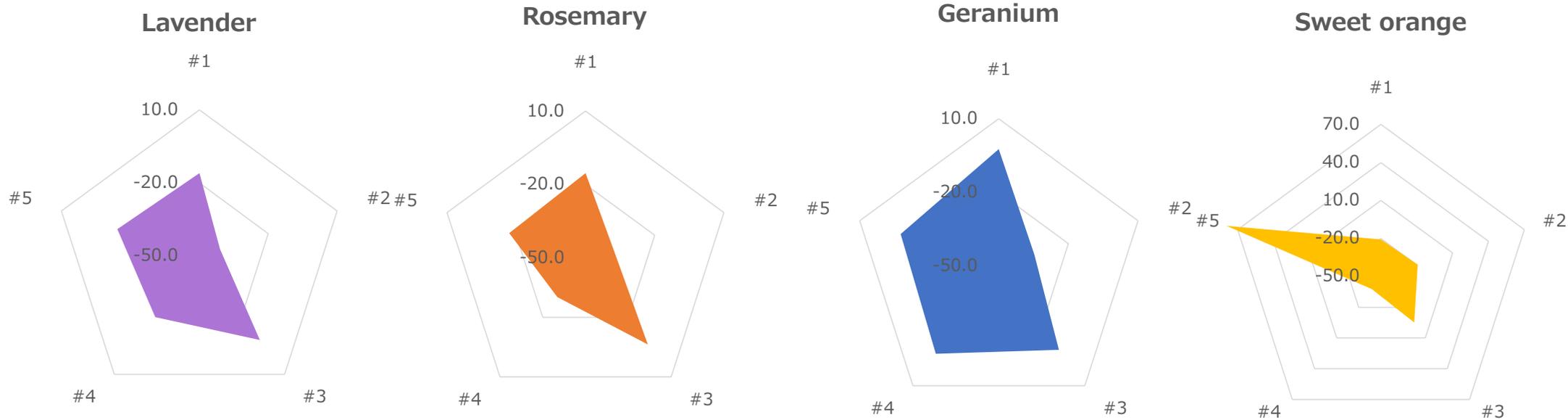
Feature Calculation Methods

- Maximum change from baseline



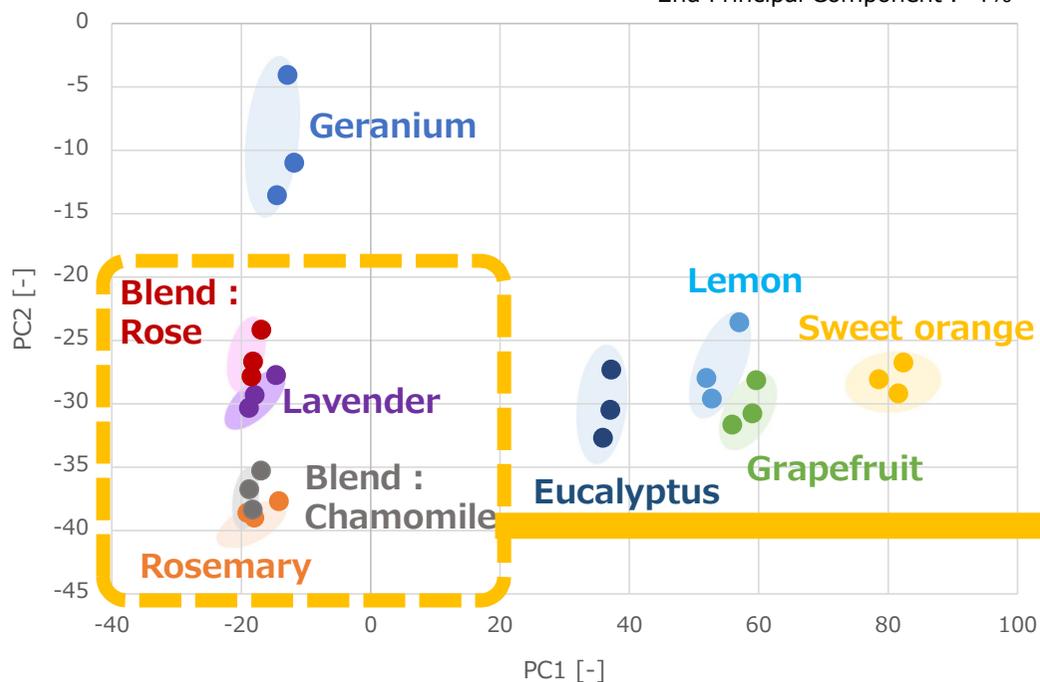
Analysis Example : FS0101__Radar chart (Potential difference)

This is a radar chart of representative essential oils.

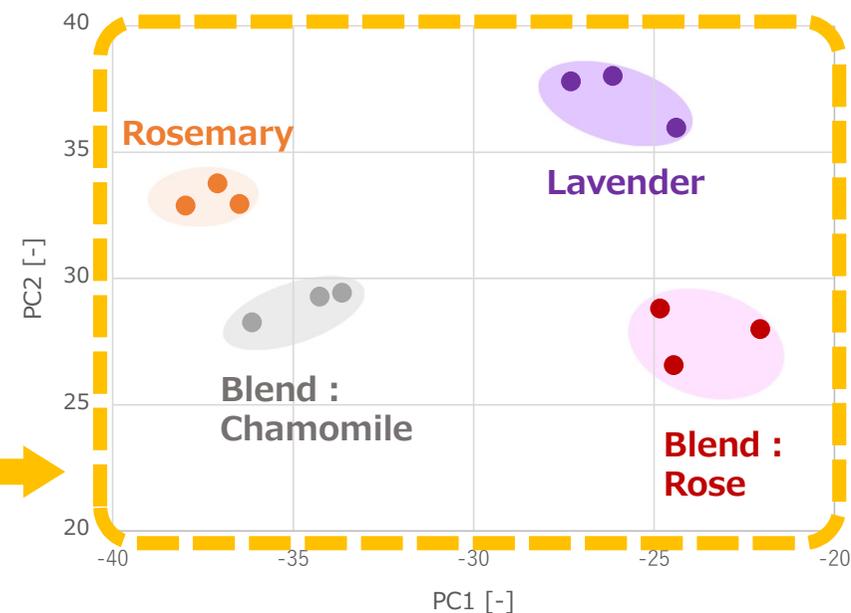


Analysis Example : FS0101_Principal Component Analysis

Explained Variance 1st Principal Component : 94%
2nd Principal Component : 4%



Explained Variance 1st Principal Component : 63%
2nd Principal Component : 28%



One smell sensor (FS0101) can identify nine types of essential oils.