***Supplementary Materials***

Electronic Nose and GC-MS analysis to detect Mango Twig Tip Dieback in mango (*Mangifera indica*) and Panama disease (TR4) in banana (*Musa acuminata*)

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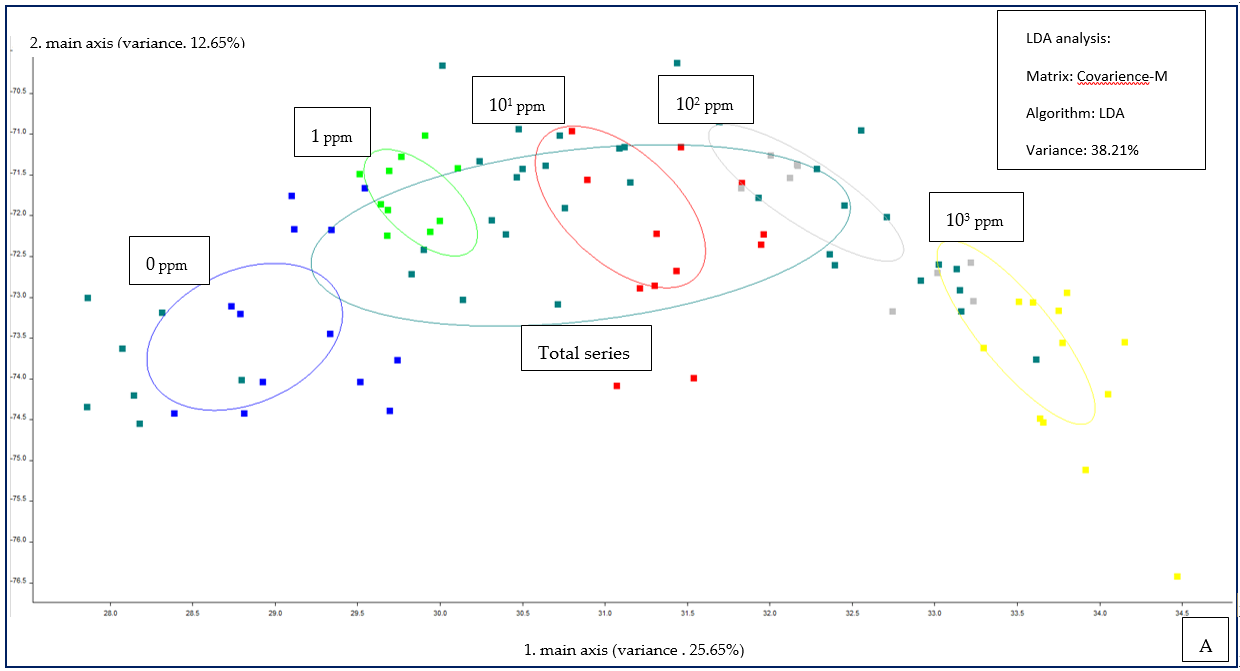
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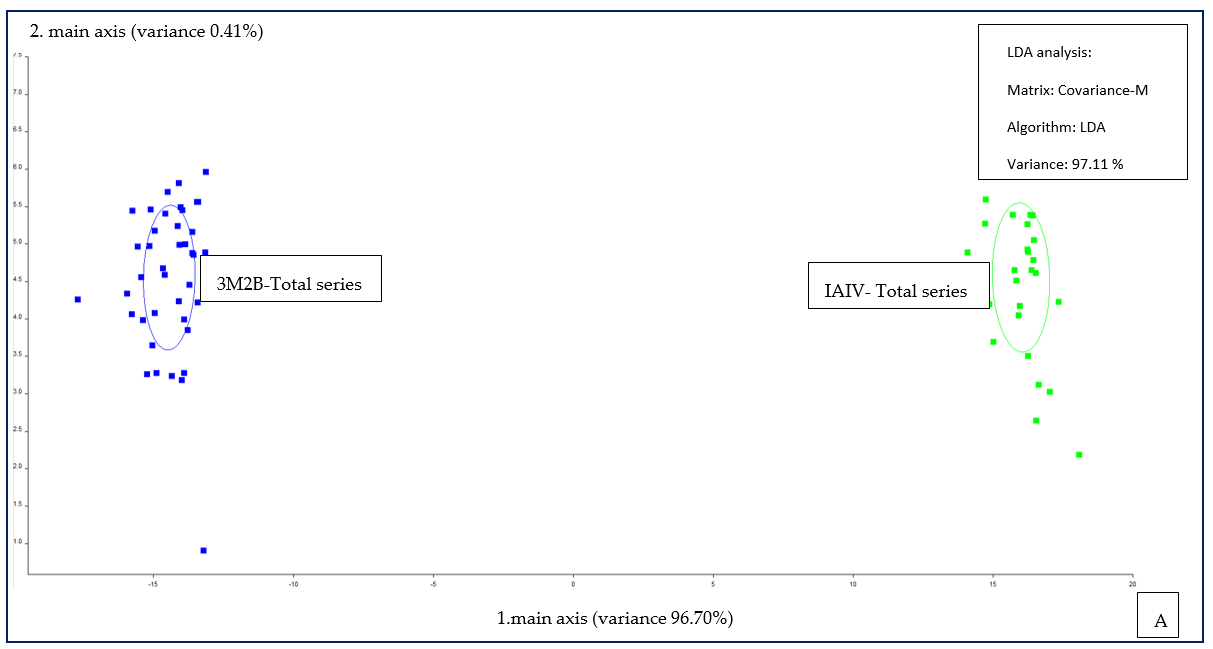
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A diagram of a graph

Description automatically generated with medium confidence

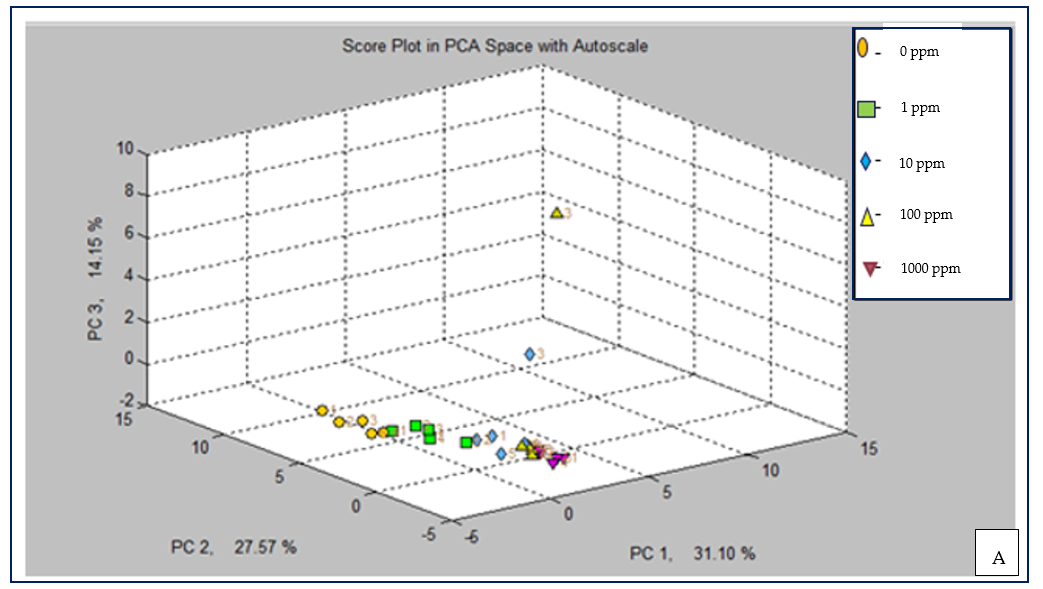
**Figure S1.** Linear Discriminant Analysis plot for individual classes of concentration and total concentration series data obtained from PEN 3 device . (A) 3-Methyl-2-butanol, (B) Isoamyl isovalerate.

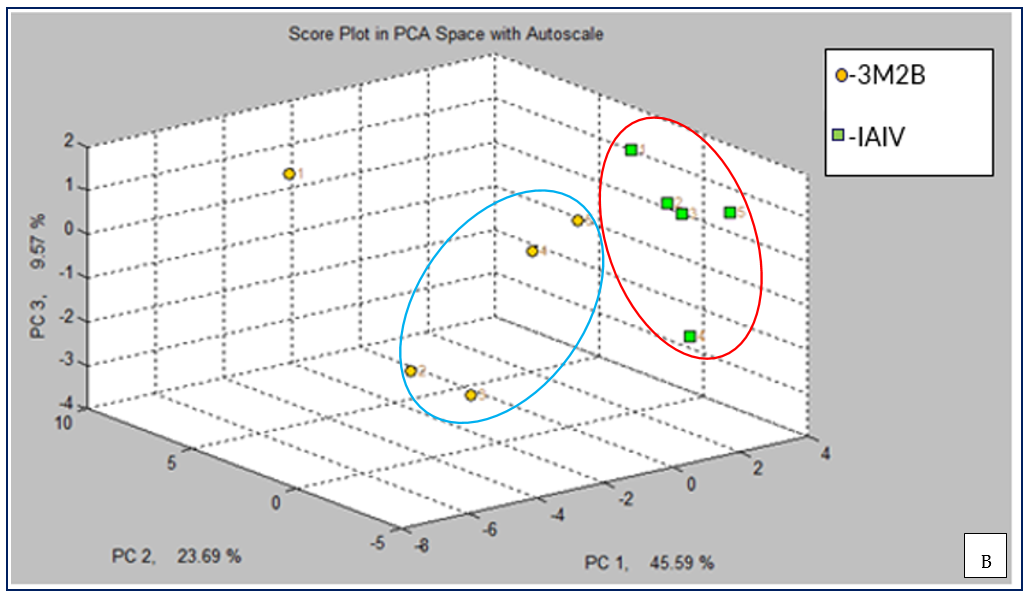


A screenshot of a computer

Description automatically generated

**Figure S2.** Linear Discriminant Analysis Plots of data obtained from the PEN 3 device. (A) 3M2B total series vs IAIV total series, (B) Mixture of 1 ppm 3M2B and IAIV against pure 3M2B and IAIV of 1 ppm.





**Figure S3.** CD analysis score plots in PCA of data obtained from MSEM 160 device. (A) 3-Methyl-2-butanol total concentration series, (B) Mixture of 1ppm 3M2B and IAIV.