LIST OF ABBREVIATIONS

CoE – Council of Europe
FDA – Food and Drug Administration
FEMA – Flavor and Extract Manufacturers Association
GC – Gas Chromatography
HCA – Hierarchical Cluster Analysis
HPLC – High Pressure Liquid Chromatography
iPLS – Interval PLS
Kohonen SOM – Kohonen Self Organizing Map
LC–MS – Liquid Chromatography – Mass Spectrometry
LV– Latent Variable
LWR – Locally Weighted Regression
MSC – Multiplicative Scatter Correction
NIRS – Near Infrared Spectroscopy
PC – Principal Component
PCA – Principal Component Analysis
PCR – Principal Component Regression
PLS DA – Partial Least Square Discriminate Analysis
PLSR– Partial Least Square Regression
$R^2_{\text{cal.}}$ – Coefficient of Determination for Calibration
$R^2_{\text{pred.}}$ – Coefficient of Determination for Prediction.
RMSEC– Root Mean Square Error of Calibration
RMSECV– Root Mean Square Error of Cross Validation
RMSEP– Root Mean Square Error of Prediction
ROC curve – Receiver Operating Characteristics curve
SVM R – Support Vector Machine Regression

UDM – Unified Distance Matrix

UV-VIS-NIR – Ultra - Violet - Visible - Near Infrared