



**Figure 4** Influence of various croplands grown system on carbon substrate utilization pattern by soil microbes. VGS-vegetable grown system, PGS-pulse grown system, PoGS-potato grown system, WGS-wheat grown system and MGS-mustard grown system. a; amino acid utilization pattern, b; carbohydrates, c; carboxylic acid, d; pollutant, e; miscellaneous compound. The error bars represent mean±standard error.