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Fig. A.1. Chromatograms of vinylformic acid adducted malvidin-3-*O*-(acetyl/coumaroyl)-glucoside compounds (vitisin A) (A: non-acylated form; B: acetylated form; C: coumaroylated form) and their fragment pattern (D).

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Fig. A.2. Chromatograms of acetaldehyde adducted malvidin-3-*O*-(acetyl/coumaroyl)-glucoside compounds (vitisin B) (A: non-acylated form; B: acetylated form; C: coumaroylated form) and their fragment pattern (D).

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Fig. A.3. Chromatograms of vinylcatechol adducted malvidin-3-*O*-(acetyl/coumaroyl)-glucoside compounds (A: non-acylated form; B: acetylated form; C: coumaroylated form) and their fragment pattern (D).

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Fig. A.4. Chromatograms of vinylphenol adducted malvidin-3-*O*-(acetyl/coumaroyl)-glucoside compounds (A: non-acylated form; B: acetylated form; C: coumaroylated form) and their fragment pattern (D).

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Fig. A.5. Chromatograms of vinylguaiacol adducted malvidin-3-*O*-(acetyl/coumaroyl)-glucoside compounds (A: non-acylated form; B: acetylated form; C: coumaroylated form) and their fragment pattern (D).

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Fig. A.6. Chromatograms of vinyl-(epi)catechin adducted malvidin-3-*O*-(acetyl/coumaroyl)-glucoside compounds (A: non-acylated form; B: acetylated form; C: coumaroylated form) and their fragment pattern (D).

Note：Two major peaks correspond to vinyl-catechin adducted and vinyl-epicatechin adducted compounds.

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Fig. A.7. Chromatograms of (epi)catechin-ethyl-malvidin-3-*O*-(acetyl/coumaroyl)-glucoside adducts (A: non-acylated form; B: acetylated form; C: coumaroylated form) and their fragment pattern (D).

Note：Four major peaks correspond to (epi)catechin adducted compounds that may connect with malvidin-3-*O*-(acetyl/coumaroyl)-glucoside through C8-C8 or C6-C8 bridge.