Table 1.: Analysed silver vessels (7 platters, 1 basin, 2 bowls and 1 plate) from the collection of the Hungarian National Museum

Silver object	Diameter	Weight	Decorations	Date of manufacture (AD)	Date of burial (AD)
Seuso Platter	70.5 cm	8.9 kg	carving, punching, gilding, niello	4th century	last third of the 4th century–beginning of the 5th century
Geometric Platter	64.2 cm	7.2 kg	carving, punching, gilding, niello	4th century	last third of the 4th century–beginning of the 5th century
Meleager Platter	69.4 cm	8.6 kg	embossing, punching, carving	last third of the 4th century–beginning of the 5th century	last third of the 4th century–beginning of the 5th century
Achilles Platter	72 cm	11.8 kg	embossing, punching, carving	last third of the 4th century–beginning of the 5th century	last third of the 4th century–beginning of the 5th century
Basin	45.2–46.8 cm	2.5 kg	embossing, punching, carving	4th century	last third of the 4th century–beginning of the 5th century
Ribbon Platter	52 cm	3.485 kg	carving, punching	first half–middle of the 4th century	first half–middle of the 4th century
Rosette Platter	43.5 cm	1.907 kg	carving, punching	first half–middle of the 4th century	first half–middle of the 4th century
Fluted Platter	41.5 cm	1.428 kg	carving, punching	first half–middle of the 4th century	first half–middle of the 4th century
bowl from Esztergom 1	18.1 cm	0.317 kg	-	around 317	first third of the 4th century
bowl from Esztergom 2	19.2 cm	0.318 kg	carving, punching	around 317	first third of the 4th century
plate from Szalacska	24–24.2 cm	0.451 kg	-	3rd century	second half of the 3rd century–beginning of the 4th century

Table 2.: Elemental composition of the front and back sides of the analysed silver vessels and the detection limit of each element. Ag, Cu, Au, Pb are given in wt%, Bi is given in ppm.

Silver objects	No. of analysed points	Ag	Cu	Au	Pb	Bi
Detection limits		~400 ppm	~150 ppm	~50 ppm	~150 ppm	~100 ppm
Seuso-platter						
front	57	95.6–97.6	1.1–2.9	0.6–0.9	0.2–0.5	790–2470
back	48	95.6–98.2	0.4–3.0	0.6–1.0	0.1–0.6	970–1940
Meleagrosz-Platter						
front	112	95.5–97.2	1.5–3.4	0.7–0.9	0.3–0.6	650–1190
back	33	96.2–96.8	2.0–2.3	0.7–0.8	0.3–0.5	590–950
Akhilleusz-Platter						
front	88	94.9–96.2	2.6–3.8	0.6–0.9	0.3–0.4	620–920
back	33	94.7–96.0	2.8–3.7	0.7–0.8	0.2–0.4	400–900
Geometric Platter						
front	67	95.8–96.3	2.4–2.8	0.5–0.6	0.4–0.5	0–180
back	42	96.1–97.3	1.8–2.7	0.5–0.6	0.2–0.4	0–140
Basin						
front	55	94.9–95.9	2.6–3.5	0.8–1.1	0.3–0.4	430–640
back	8	97.1–97.8	1.0–1.7	0.9	0.2–0.3	320–430
Ribbon Platter						
front	51	97.8–98.8	0.3–0.9	0.6–0.7	0.1–0.3	0–120
back	30	98.2–98.9	0.3–0.9	0.6–0.7	0–0.2	0–140
Rosette Platter						
front	43	96.0–96.5	2.4–2.7	0.6	0.3–0.4	0–190
back	40	96.5–97.9	1.2–2.5	0.6–0.8	0.1–0.3	0–200
Fluted Platter						
front	46	95.2–96.6	2.4–3.1	0.6	0.3–0.4	0–330
back	5	95.9–96.4	2.5–2.9	0.6–0.7	0.3	170–280
undecorated bowl from Esztergom						
front	12	96.1–98.0	1.2–3.0	0.6	0.1–0.2	350–600
back	34	95.6–97.9	1.3–3.4	0.6	0.2–0.3	390–710
decorated bowl from Esztergom						
front	12	95.9–97.7	1.3–2.8	0.4	0.2–0.3	1200–2100
back	32	96.4–97.5	1.8–2.8	0.4	0.2–0.3	1300–1900
Plate from Szalacska						
front	24	94.3–95.2	3.2–4.0	0.6–0.7	0.4	300–900
back	25	94.6–96.4	2.4–3.8	0.7–1.0	0.2–0.4	500–900

Table 3.: Elemental composition of the contemporaneous silver platters and bowls. The results are given in wt%. [1]Hughes & Hall 1979; Lang et al. 1977; Lang & Hughes 2016; [2]Cowell & Hook 2010; [3]Lang et al. 1984; [4]Doračić et al. 2015; Vulić et al. 2017; [5]Hughes & Hall 1979; [6]Hook & Callewaert 2013; [7]Lang 2002; [8]Hughes & Hall 1979; [9]Mozgai et al. 2017; present study.

Treasure find	Method	No. of analysed objects	No. of analysed points	Ag	Cu	Au	Pb	Bi
Mildenhall[1]	XRF	12	83	94.3–97.6	0.3–3.7	0.4–2.5	0.2–1.2	-
Hoxne[2]	XRF	5	9	95.0–98.0	0.7–3.2	0.2–0.6	0.7–1.5	0–0.1
Kaiseraugst[3]	XRF	3	9	96.4–98.6	1.0–2.1	0.3–0.9	0.1–0.8	-
Vinkovci[4]	PIXE	22	23	89.1–97.8	1.2–7.7	0.7–2.3	0.3–1.6	0–0.3
Esquiline[5]	XRF	6	8	94.7–96.5	2.1–3.7	0.6–1.0	0.6–0.8	-
Coleraine[6]	XRF	13	13	93.8–97.5	1.2–4.6	0.4–1.3	0.3–1.0	-
Carthage[7]	XRF	7	21	94.3–97.7	1.9–4.5	0.4–0.8	0.2 – 0.7	-
Water Newton[8]	XRF	4	4	94.0–95.7	3.3–4.6	0.7–0.8	0.2–0.7	-
Seuso[9]	XRF	5	543	94.7–98.2	0.4–3.8	0.5–1.1	0.1–0.6	0–0.25
river bed of Sava	XRF	3	215	95.2–98.9	0.3–3.1	0.6–0.8	0–0.4	0–0.03
Esztergom[9]	XRF	2	90	95.6–98.0	1.2–3.4	0.4–0.6	0.1–0.3	0.04–0.21
Szalacska[9]	XRF	1	49	94.3–96.4	2.4–4.0	0.6–1.0	0.2–0.4	0.03–0.09