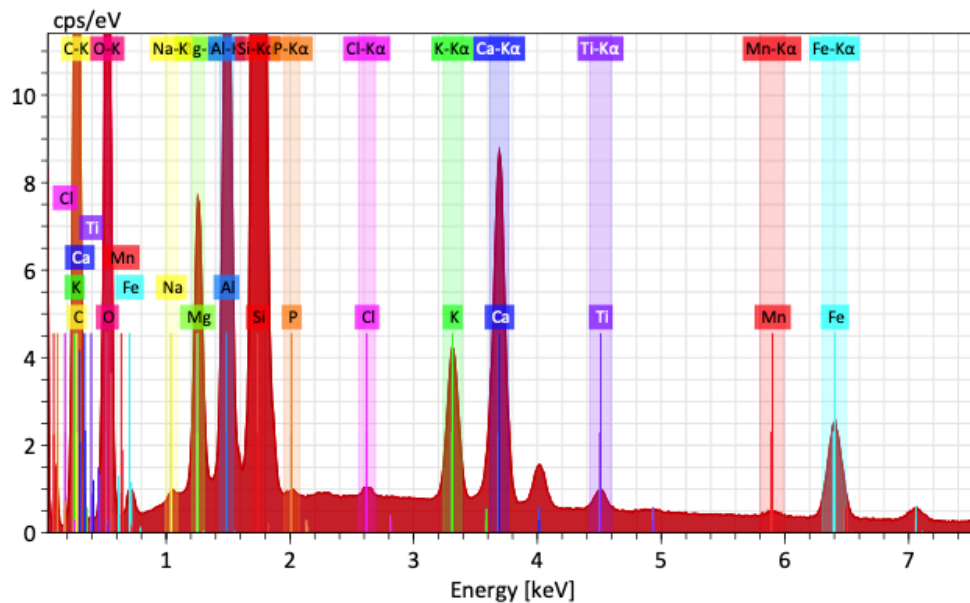
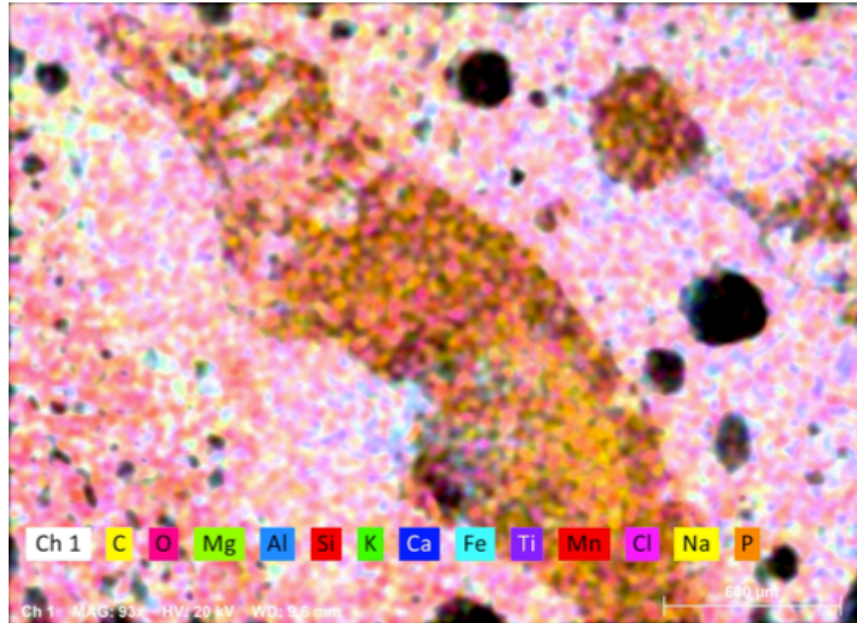
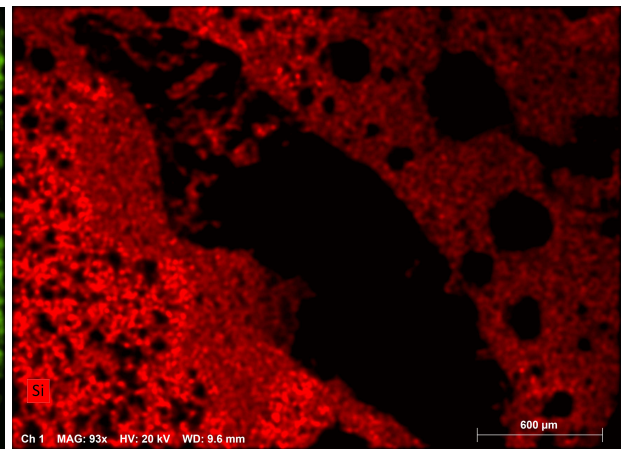
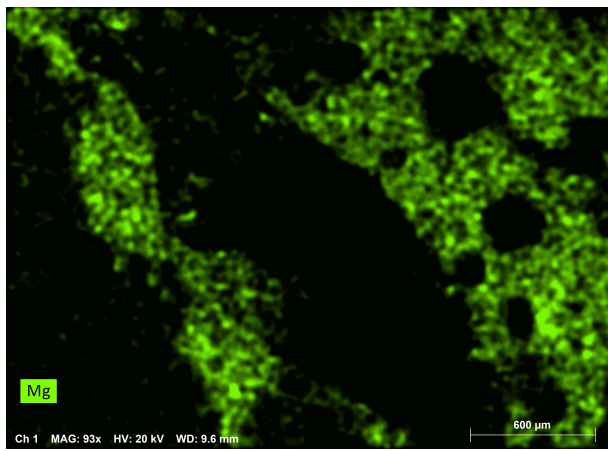
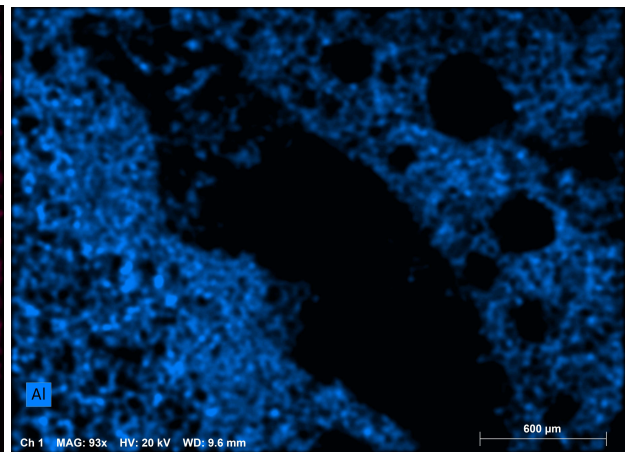
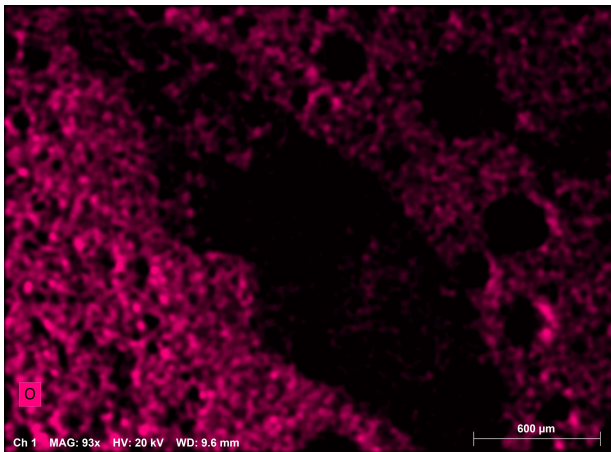
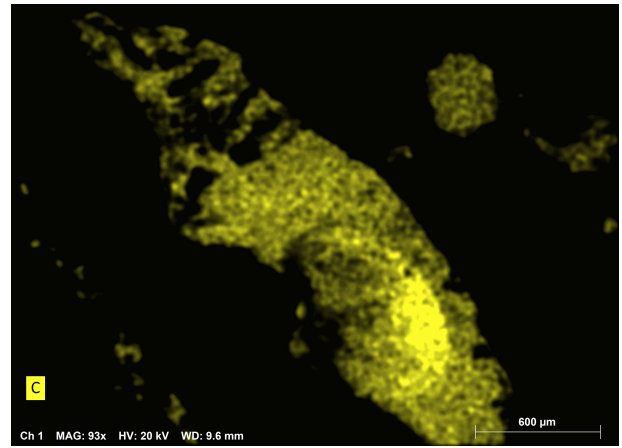
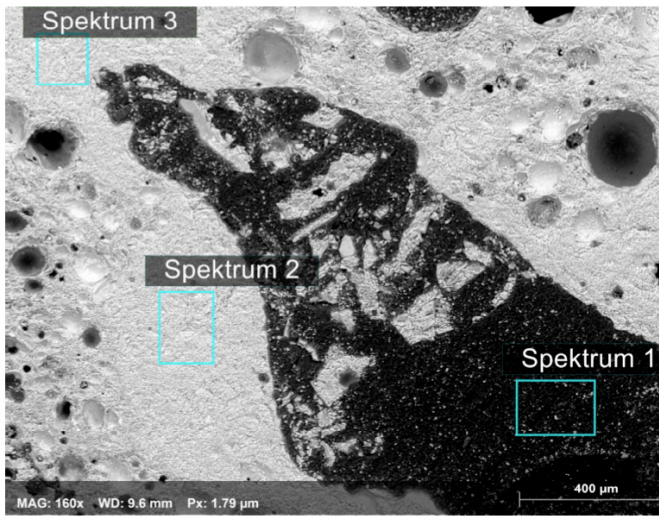


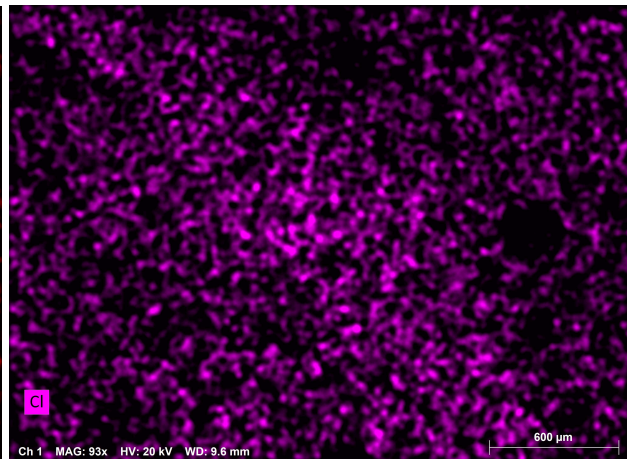
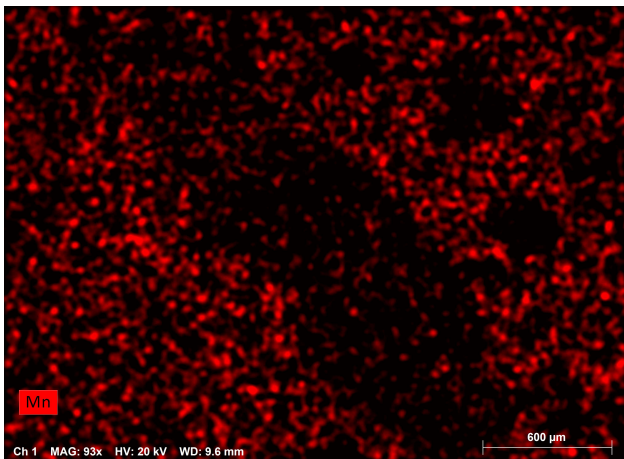
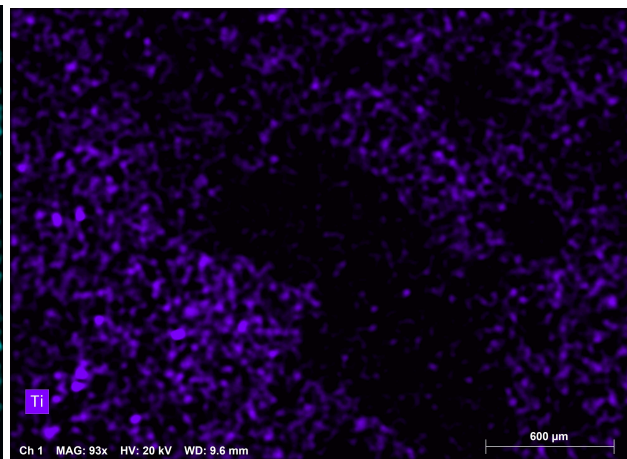
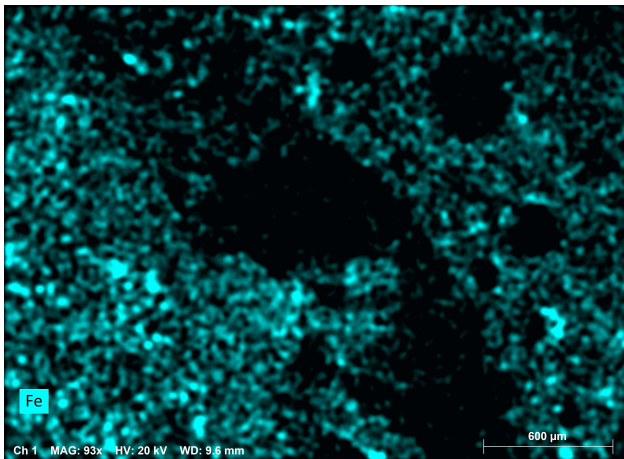
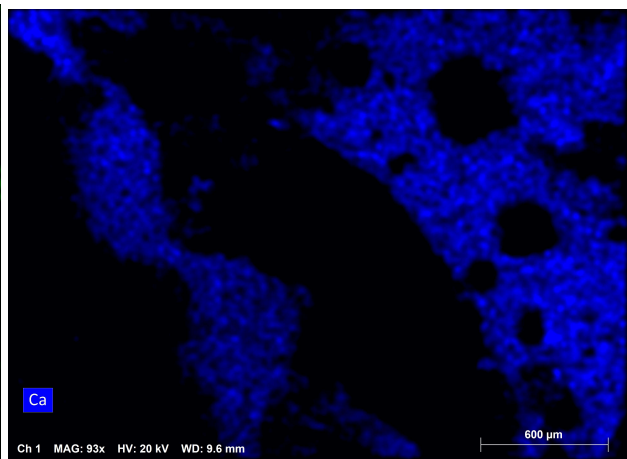
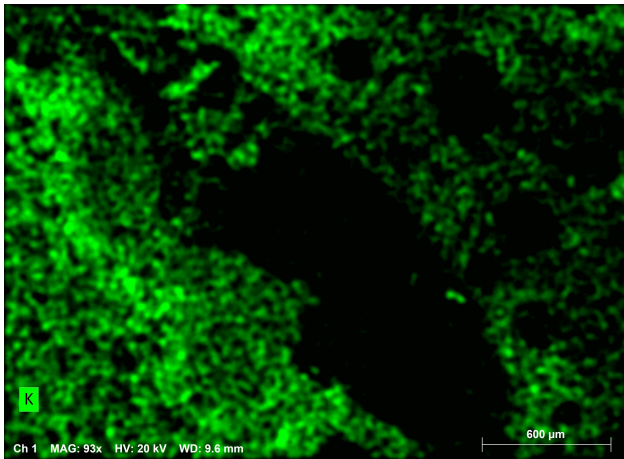
SECTION A SEM - EDS



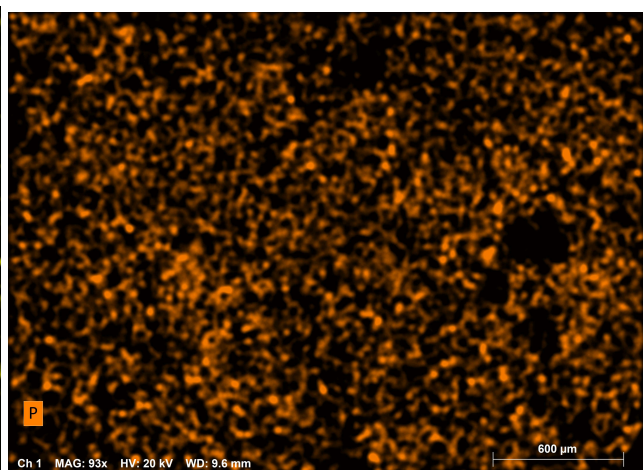
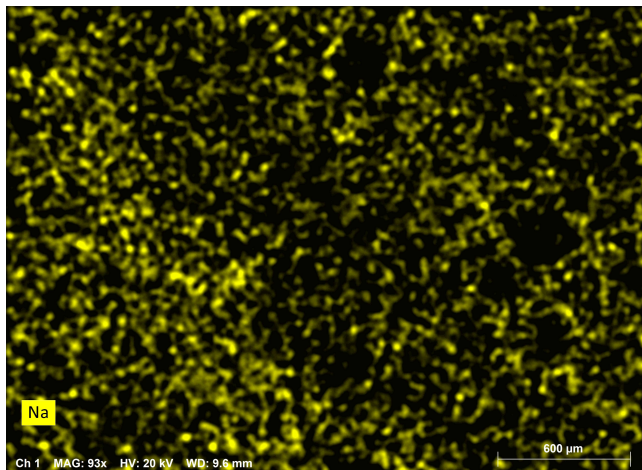
In the SEM-EDS images below, voids where the epoxy resin accumulated during thin section fabrication appear yellow with the carbon signature. This also affects the carbon (and small amounts of chlorine) in the spectra and tables.



C - O - Al - Mg - Si



K - Ca - Fe - Ti - Mn - Cl



Na - P

Spektrum 1

Element	At. No.	Netto	Mass [%]	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)	rel. error [%] (1 sigma)
Carbon	6	78941	69.78	69.78	77.68	8.00	11.46
Oxygen	8	12070	23.29	23.29	19.46	3.20	13.75
Magnesium	12	1774	0.36	0.36	0.20	0.05	13.50
Aluminium	13	4915	0.83	0.83	0.41	0.07	8.24
Silicon	14	23819	3.10	3.10	1.48	0.16	5.16
Chlorine	17	1821	0.29	0.29	0.11	0.04	13.06
Potassium	19	1599	0.30	0.30	0.10	0.04	12.53
Calcium	20	3236	0.72	0.72	0.24	0.05	7.04
Titanium	22	320	0.10	0.10	0.03	0.03	32.95
Iron	26	2632	1.23	1.23	0.29	0.07	5.47
Sum			100.00	100.00	100.00		

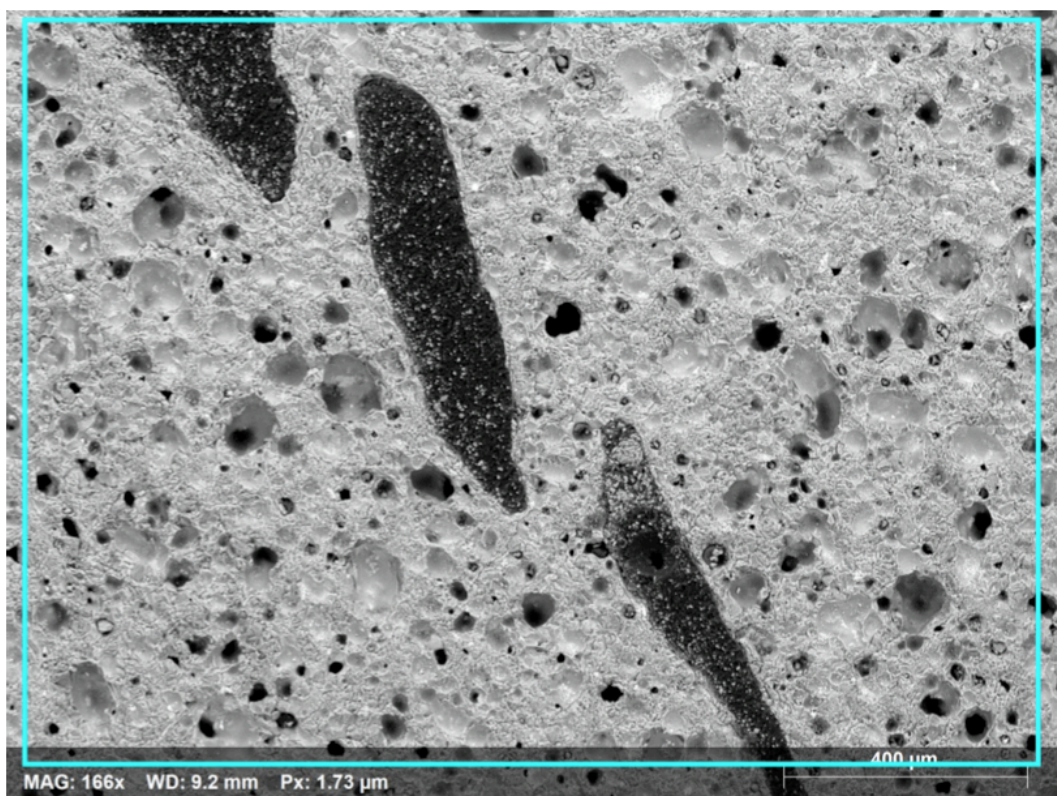
Spektrum 2

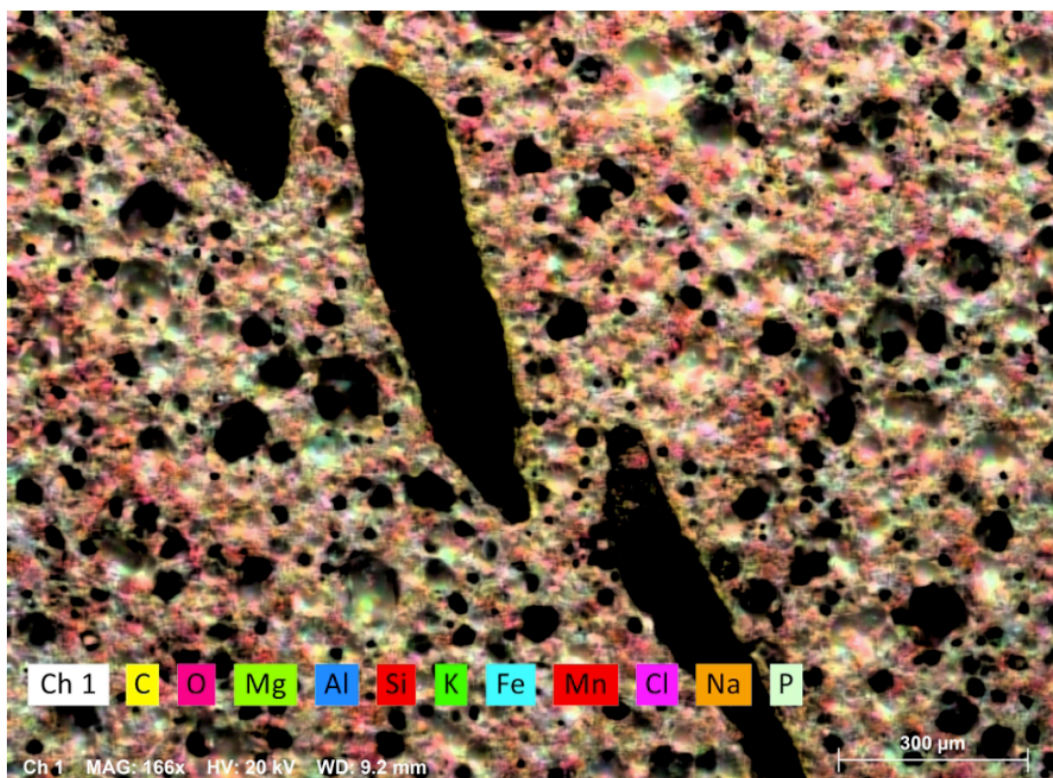
Element	At. No.	Netto	Mass [%]	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)	rel. error [%] (1 sigma)
Carbon	6	1596	7.60	8.71	15.08	1.55	20.34
Oxygen	8	15372	32.47	37.20	48.38	4.32	13.30
Magnesium	12	11961	4.29	4.92	4.21	0.27	6.24
Aluminium	13	20212	6.38	7.31	5.64	0.34	5.28
Silicon	14	84322	21.79	24.97	18.50	0.96	4.40
Potassium	19	5553	1.82	2.09	1.11	0.09	4.80
Calcium	20	23947	9.11	10.44	5.42	0.30	3.29
Titanium	22	1130	0.56	0.64	0.28	0.05	8.80
Iron	26	4399	3.24	3.71	1.38	0.13	3.92
Sum			87.27	100.00	100.00		

Spektrum 3

Element	At. No.	Netto	Mass [%]	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)	rel. error [%] (1 sigma)
Carbon	6	1271	5.98	7.01	12.40	1.29	21.64
Oxygen	8	14880	31.98	37.49	49.75	4.27	13.36
Magnesium	12	10371	3.76	4.41	3.85	0.24	6.35
Aluminium	13	21533	6.76	7.93	6.24	0.36	5.25
Silicon	14	80396	20.65	24.21	18.30	0.91	4.41
Potassium	19	5213	1.70	1.99	1.08	0.08	4.93
Calcium	20	28191	10.78	12.64	6.70	0.35	3.23
Titanium	22	1092	0.56	0.65	0.29	0.05	8.87
Iron	26	4444	3.12	3.66	1.39	0.12	3.94
Sum			85.29	100.00	100.00		

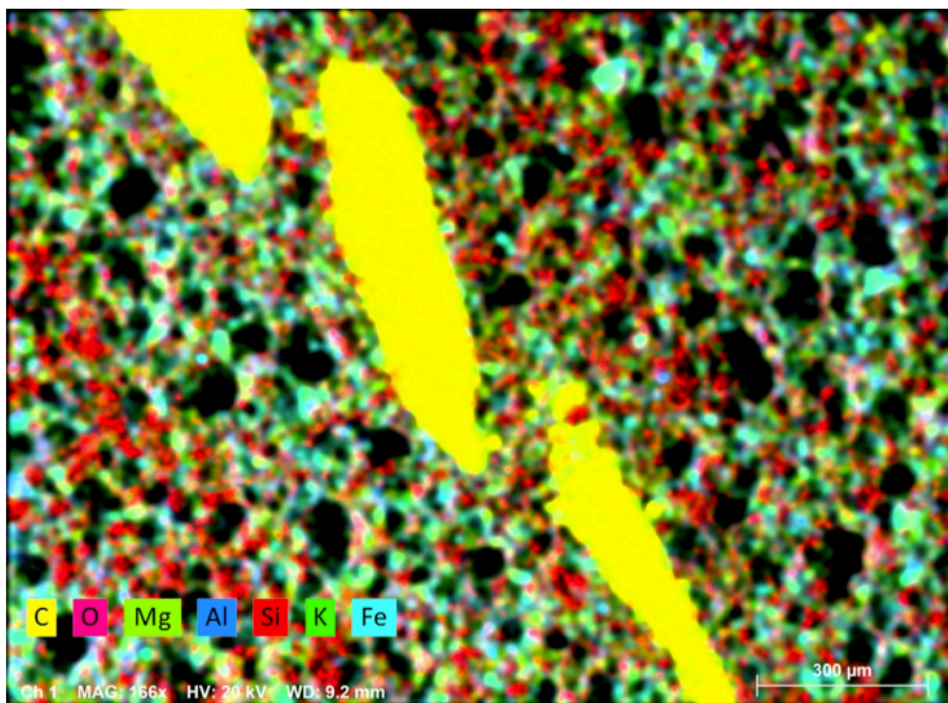
SECTION B SEM - EDS



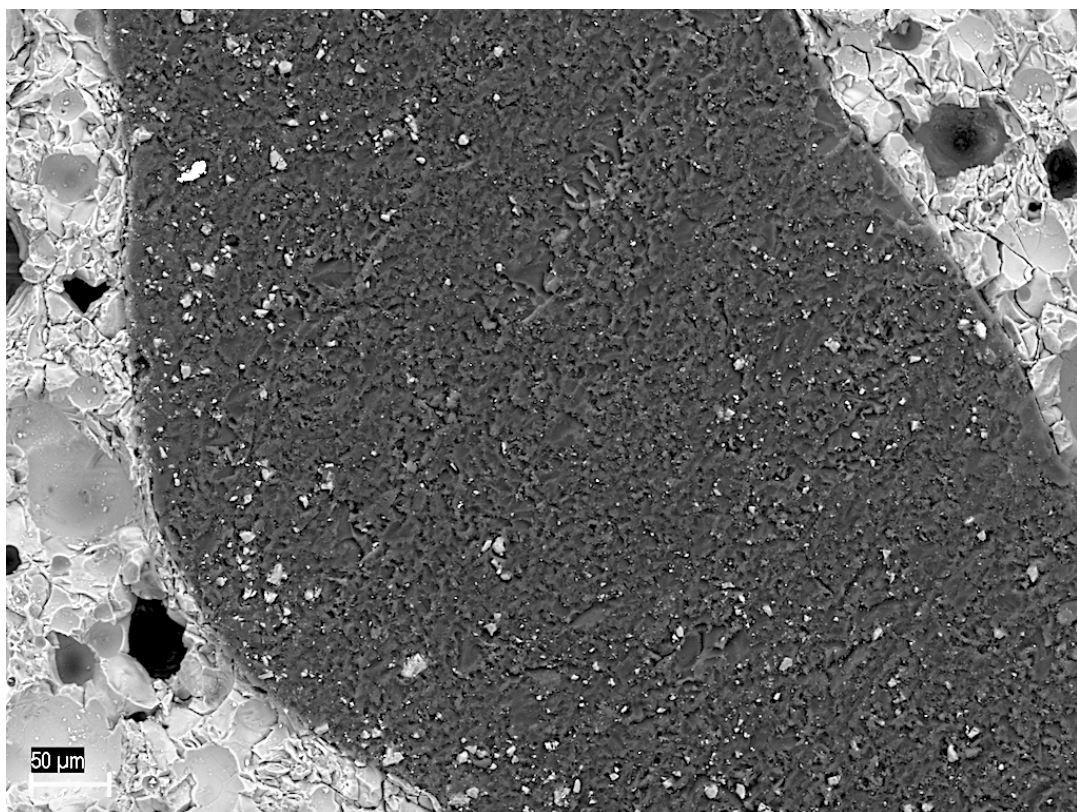


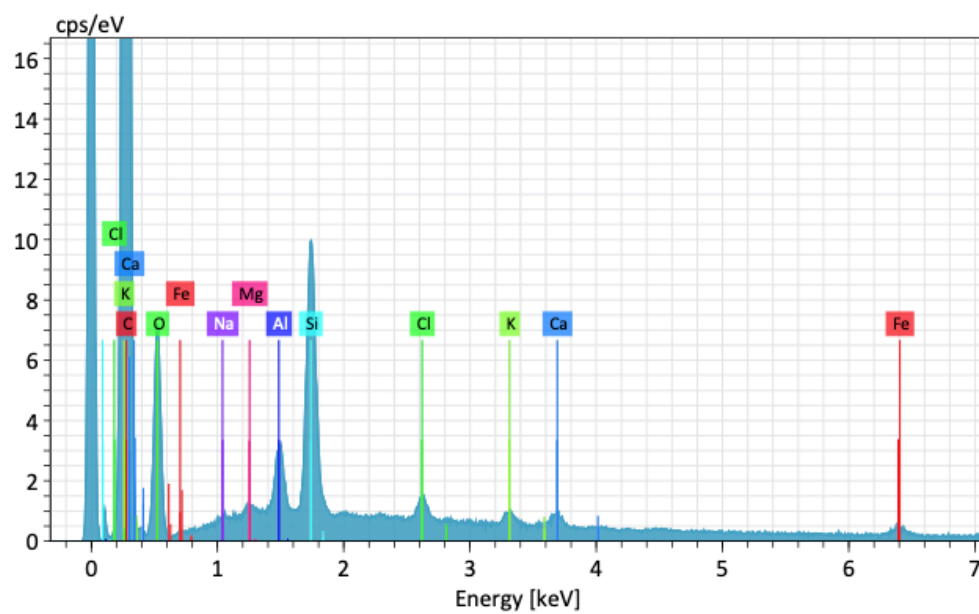
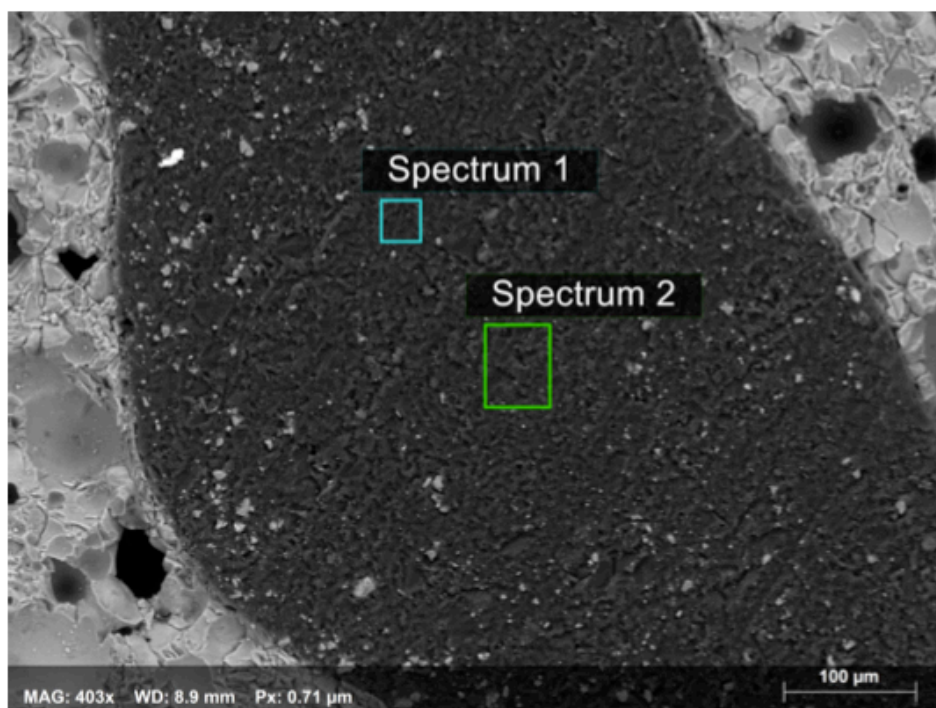
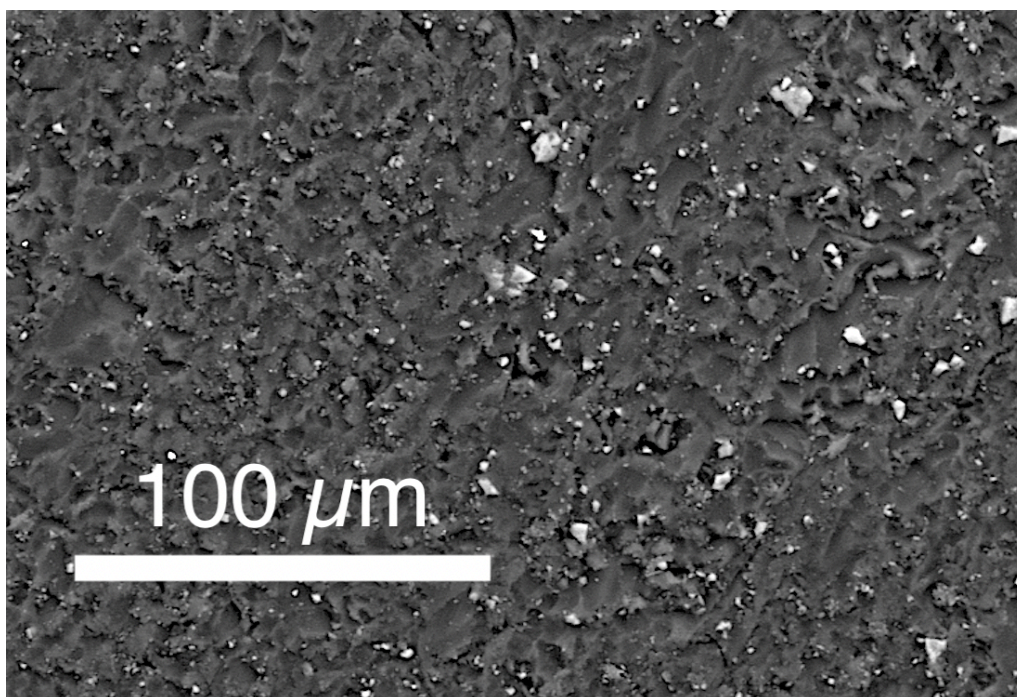
Map

Element	At. No.	Netto	Mass [%]	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)	rel. error [%] (1 sigma)
Carbon	6	65291	16.41	22.90	34.36	1.92	11.72
Oxygen	8	239868	26.87	37.48	42.21	2.93	10.91
Sodium	11	0	0.00	0.00	0.00	0.00	4.43
Magnesium	12	21720	0.46	0.64	0.48	0.05	11.00
Aluminium	13	229623	3.93	5.49	3.67	0.21	5.41
Silicon	14	1323225	18.11	25.27	16.21	0.80	4.39
Phosphorus	15	0	0.00	0.00	0.00	0.00	1.87
Chlorine	17	0	0.00	0.00	0.00	0.00	1.34
Potassium	19	85427	1.75	2.44	1.12	0.08	4.48
Calcium	20	13325	0.32	0.45	0.20	0.03	10.84
Titanium	22	13466	0.44	0.61	0.23	0.04	8.66
Manganese	25	688	0.03	0.04	0.01	0.00	4.96
Iron	26	69841	3.35	4.68	1.51	0.11	3.42
Sum			71.67	100.00	100.00		



SECTION C SEM - EDS

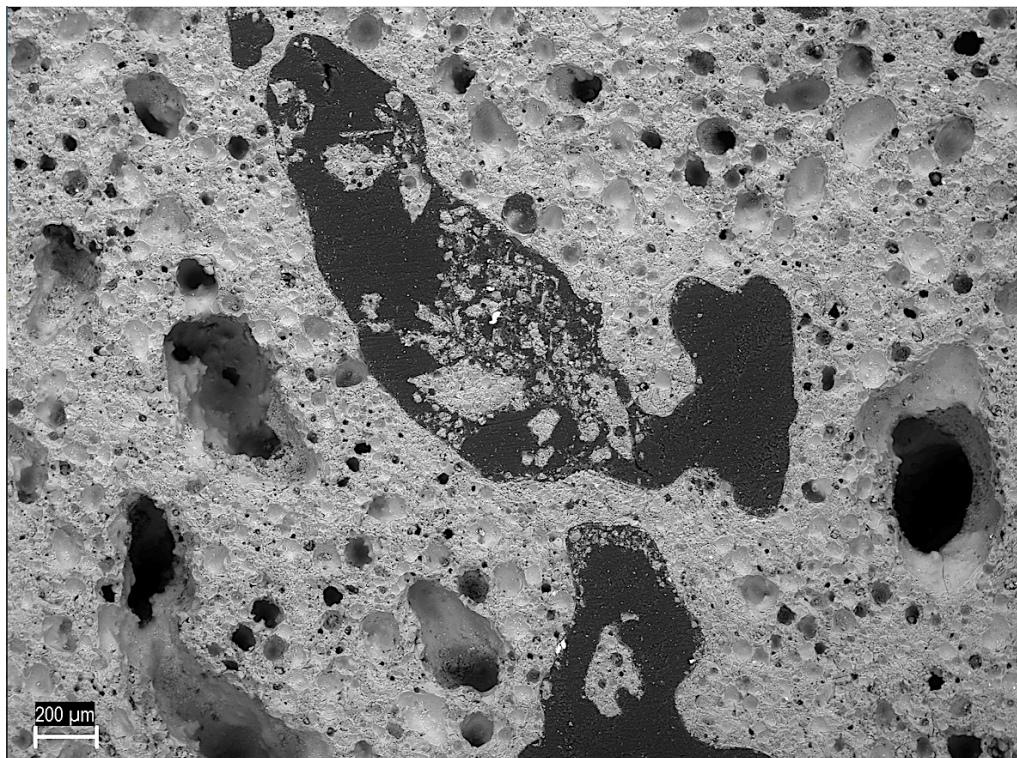


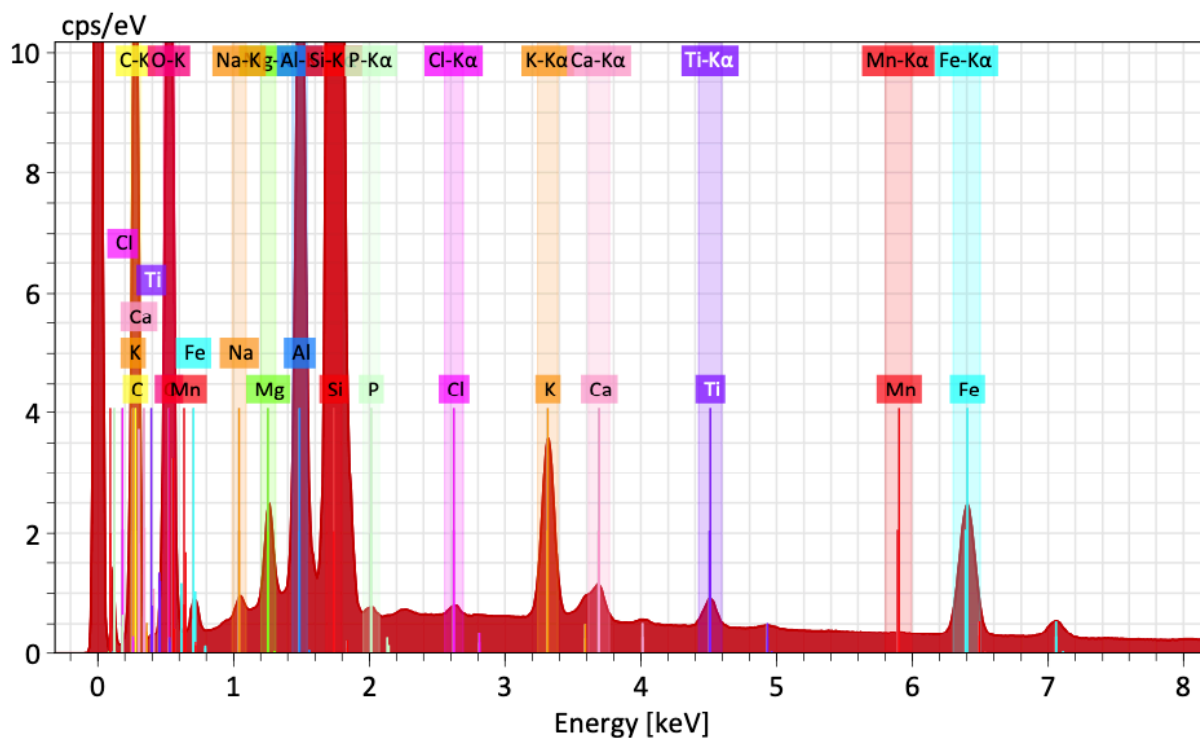


Spectrum 1

Element	At. No.	Netto	Mass [%]	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)	rel. error [%] (1 sigma)
Carbon	6	222440	74.04	74.04	80.62	8.06	10.88
Oxygen	8	25822	21.25	21.25	17.37	2.68	12.61
Sodium	11	640	0.08	0.08	0.05	0.03	39.23
Magnesium	12	1326	0.11	0.11	0.06	0.03	28.90
Aluminium	13	10491	0.73	0.73	0.36	0.06	8.40
Silicon	14	46508	2.48	2.48	1.15	0.13	5.32
Chlorine	17	4406	0.30	0.30	0.11	0.04	12.31
Potassium	19	3182	0.25	0.25	0.08	0.03	13.78
Calcium	20	3157	0.29	0.29	0.09	0.04	12.22
Iron	26	2375	0.47	0.47	0.11	0.04	8.83
Sum			100.00	100.00	100.00		

SECTION D SEM - EDS





Map

Element	At. No.	Netto	Mass [%]	Mass Norm. [%]	Atom [%]	abs. error [%] (1 sigma)	rel. error [%] (1 sigma)
Carbon	6	1032728	27.21	34.82	47.91	2.85	10.49
Oxygen	8	1665125	26.85	34.36	35.50	2.79	10.40
Sodium	11	0	0.00	0.00	0.00	0.00	4.43
Magnesium	12	135049	0.36	0.46	0.31	0.04	12.39
Aluminium	13	1522185	3.29	4.22	2.58	0.18	5.53
Silicon	14	8891191	15.16	19.40	11.41	0.67	4.42
Phosphorus	15	0	0.00	0.00	0.00	0.00	1.87
Chlorine	17	0	0.00	0.00	0.00	0.00	1.34
Potassium	19	531899	1.36	1.74	0.73	0.07	4.87
Calcium	20	86822	0.26	0.34	0.14	0.03	12.43
Titanium	22	92819	0.38	0.49	0.17	0.04	9.35
Manganese	25	3674	0.02	0.02	0.01	0.00	3.25
Iron	26	543217	3.25	4.16	1.23	0.11	3.42
Sum			78.14	100.00	100.00		

