GC-MS Columns

S.	Column	Length, Diameter &	Temperature	Stationary Phase	Applications
No.	Name	Thickness	Range		
1.	HP-PLOT-Q	30m, 0.53mm, 40μm	-60°C to 270°C	Polystyrene - divinylbenzene	Excellent for C1 to C3 isomers and alkanes to C12, CO2, methane, air/CO, oxygenated compounds, sulfur compounds, and solvents
2.	HP-PLOT 5A Molesieve	30m, 0.53mm, 50.0μm	-60°C to 300°C	Molecular sieve material (fused silica) of pore size 5Å	H2, O2, N2, CO, and CH4 Separation
3.	DB-WAX	30m, 0.25mm, 0.25µm	20°C to 250°C	Polyethylene glycol (PEG)	Analyzing compounds with polar functional groups. They are well suited for essential oils, food, flavor, and fragrance applications,
4.	HP-5 MS	30m, 0.25mm, 0.25µm	-60°C to 325°C	(5% Phenyl) MethylPolysiloxane	Higher Hydrocarbon
5.	DB-624	30m, 0.25mm, 1.40µm	-20°C to 260°C	6% cyanopropyl/phenyl, 94%polydimethylsiloxane	Volatile organic compounds
6.	GS - Alumina	50m, 0.53mm	-60°C to 200°C	Alumina	C1 to C8 saturated Hydrocarbon & C1 to C4 unsaturated hydrocarbon
7.	HP - 5MS UI	30m, 0.25mm, 0.25µm	-60°C to 325°C	(5% Phenyl) MethylPolysiloxane Ultra inert layer	Semivolatiles, Halogenated compounds, Amines
8.	GS - GASPRO	60m, 0.32mm	-80°C to 260°C	Fused Silica	Light Hydrocarbons and Sulphur gases

9.	HayeSep N	2.5m, 2mm (ID), 1/8 Inches	Typically used at	Ultimetal [Mesh 80/100]	environmental analysis,
	(packed	(OD)	temperatures up		petrochemical studies, and breath
	Column)		to around		analysis, effectively separating
			165°C.		permanent gases, light
					hydrocarbons, and polar
					compounds
10.	Molsieve 13X	6 ft (1.83 M), 1/8 in. OD, 2	Suitable for	UltiMetal [Agilent's proprietary	Can separate CO ₂ , H ₂ S, water, and
	(packed	mm ID	high-	deactivated metal technology. It	other small molecules that might
	Column)		temperature	enhances the performance of	pass through a 5Å sieve.
		mesh size 60/80, pre-	applications,	metal columns and tubing by	
	zeolite-based	conditioned	often exceeding	providing an inert, corrosion-	
	adsorbent		400°C.	resistant surface.	