

Information Details

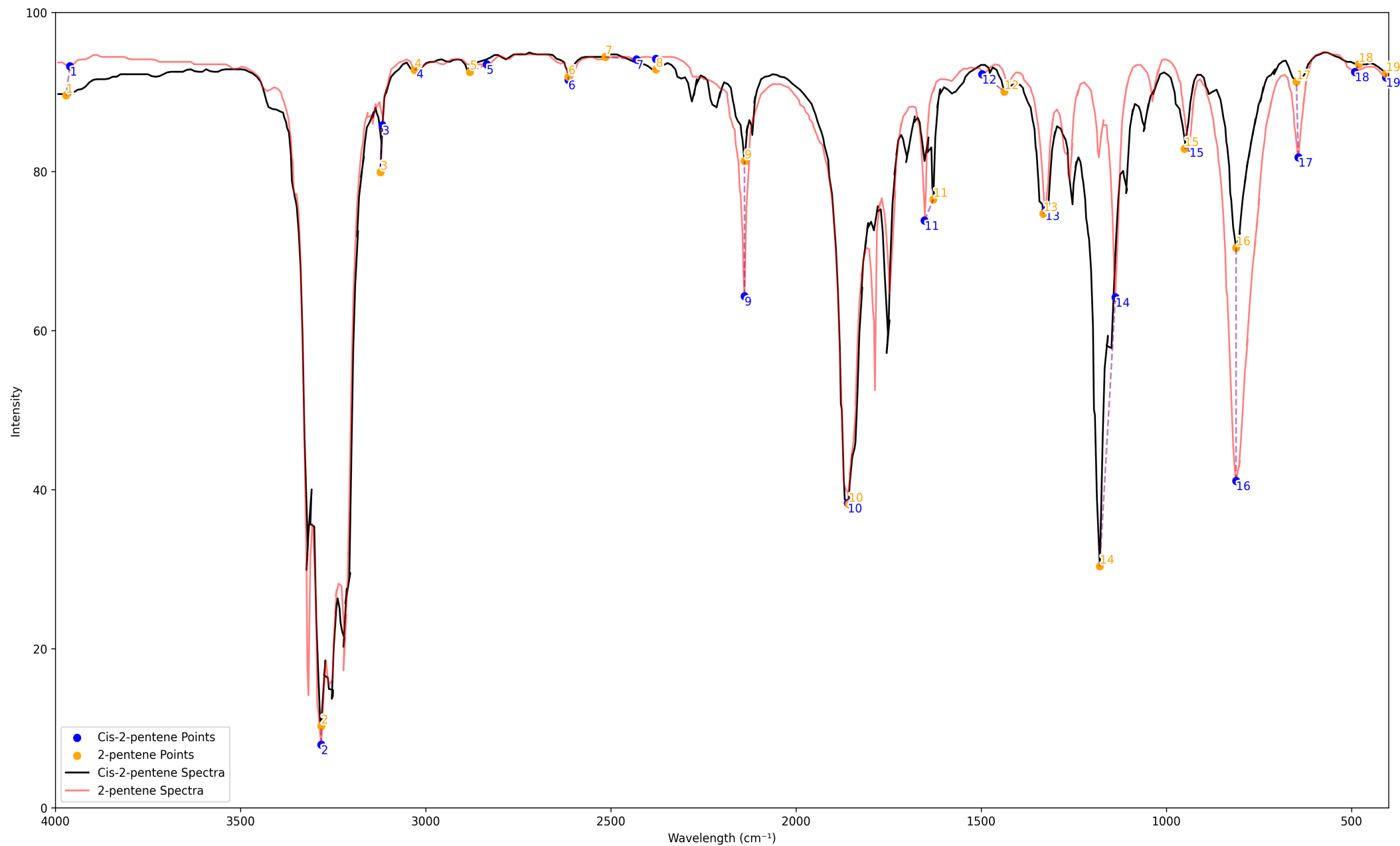
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Analyzed Compound Name: 2-pentene

Analyzed Range: 50 cm⁻¹

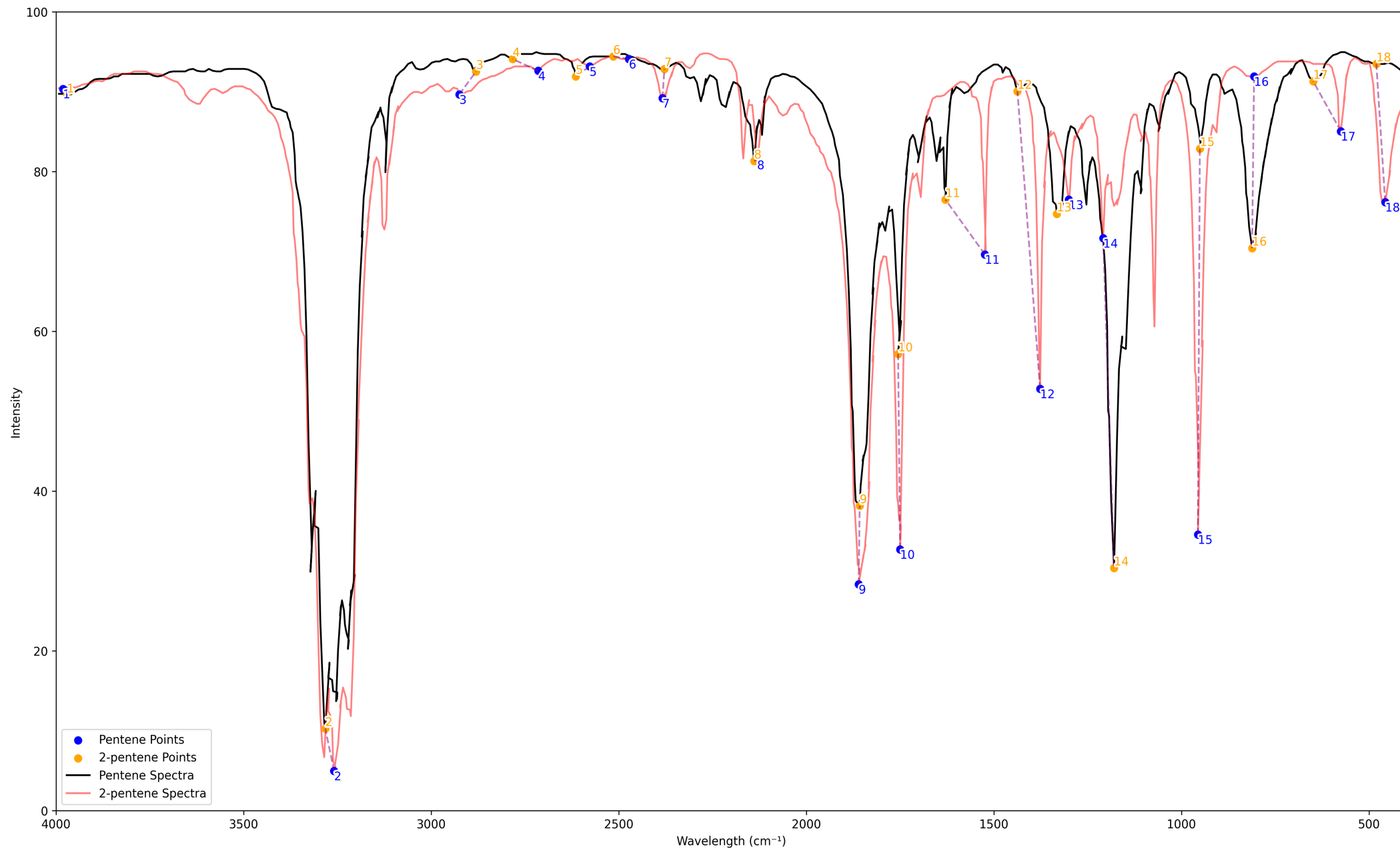
Id	Database Compound	Similarity Factor
1	cis-2-pentene	0.60
2	pentene	0.56
3	2-pentyne	0.55
4	trans-2-pentene	0.51
5	2-methyl-1-butene	0.51

1. Cis-2-pentene



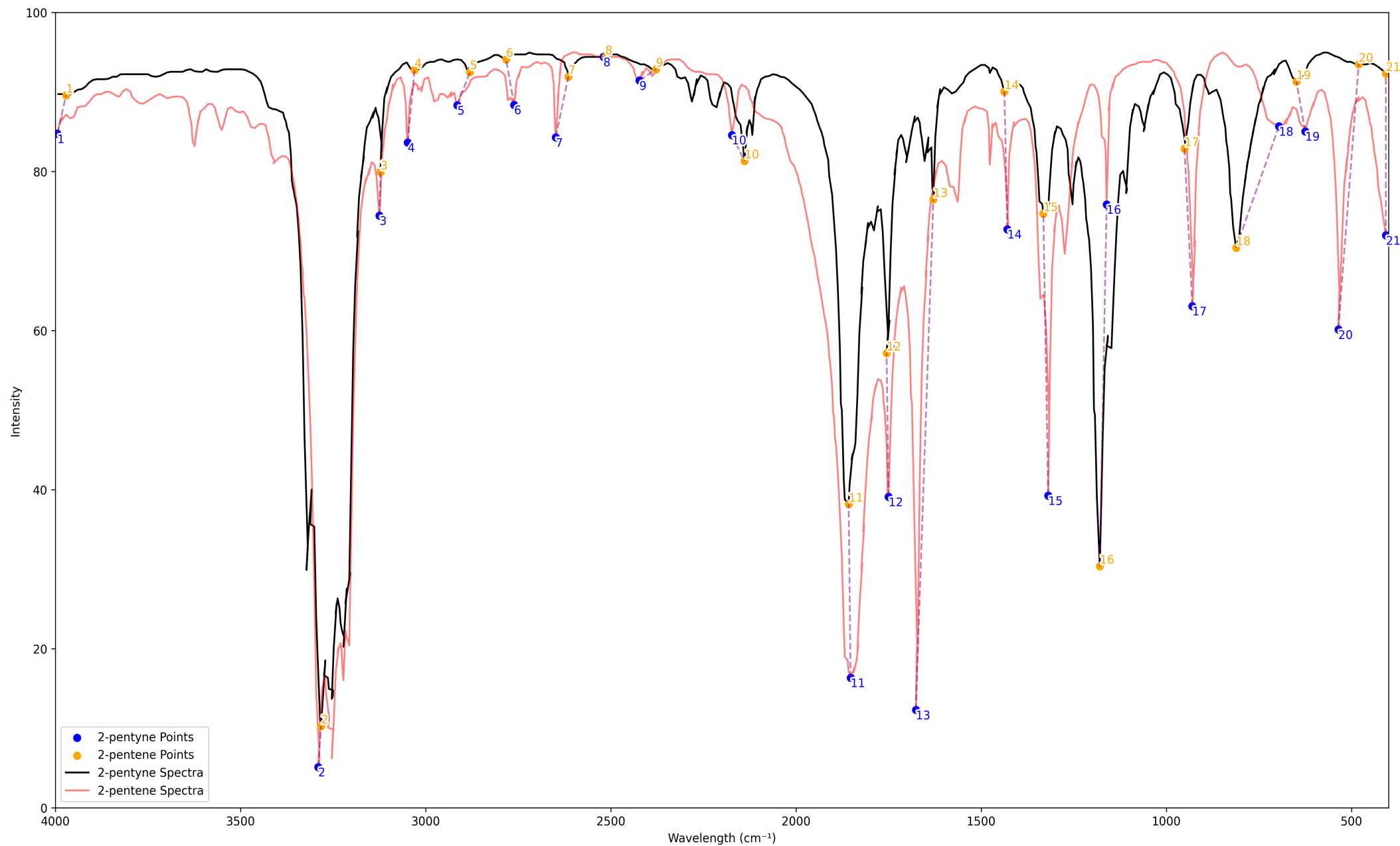
Id	Cis-2-pentene	Cis-2-pentene	2-pentene	2-pentene
	Wavelength (cm ⁻¹)	Intensity	Wavelength (cm ⁻¹)	Intensity
1	3960.90	93.24	3971.42	89.58
2	3282.68	7.94	3282.68	10.28
3	3117.07	85.84	3122.33	79.92
4	3025.06	92.93	3030.32	92.77
5	2835.79	93.48	2880.48	92.54
6	2614.98	91.53	2614.98	91.92
7	2430.96	94.10	2515.08	94.41
8	2378.39	94.18	2378.39	92.85
9	2139.17	64.34	2139.17	81.32
10	1860.52	38.32	1857.89	38.17
11	1652.85	73.84	1629.19	76.49
12	1497.75	92.23	1437.29	90.05
13	1326.88	75.09	1332.14	74.70
14	1137.61	64.19	1179.67	30.38
15	937.83	83.04	950.97	82.88
16	811.65	41.13	811.65	70.42
17	643.41	81.79	648.66	91.29
18	490.94	92.54	480.42	93.48
19	406.82	91.84	406.82	92.31

2. Pentene



Id	Pentene Wavelength (cm⁻¹)	Pentene Intensity	2-pentene Wavelength (cm⁻¹)	2-pentene Intensity
1	3981.93	90.36	3971.42	89.58
2	3259.02	4.98	3282.68	10.28
3	2925.17	89.66	2880.48	92.54
4	2714.87	92.62	2783.22	94.10
5	2578.17	93.16	2614.98	91.92
6	2473.02	94.10	2515.08	94.41
7	2383.65	89.19	2378.39	92.85
8	2131.29	81.48	2139.17	81.32
9	1860.52	28.35	1857.89	38.17
10	1750.11	32.71	1755.37	57.17
11	1524.04	69.64	1629.19	76.49
12	1376.83	52.81	1437.29	90.05
13	1300.60	76.49	1332.14	74.70
14	1208.59	71.66	1179.67	30.38
15	956.23	34.58	950.97	82.88
16	806.39	91.92	811.65	70.42
17	575.06	85.06	648.66	91.29
18	456.76	76.18	480.42	93.48

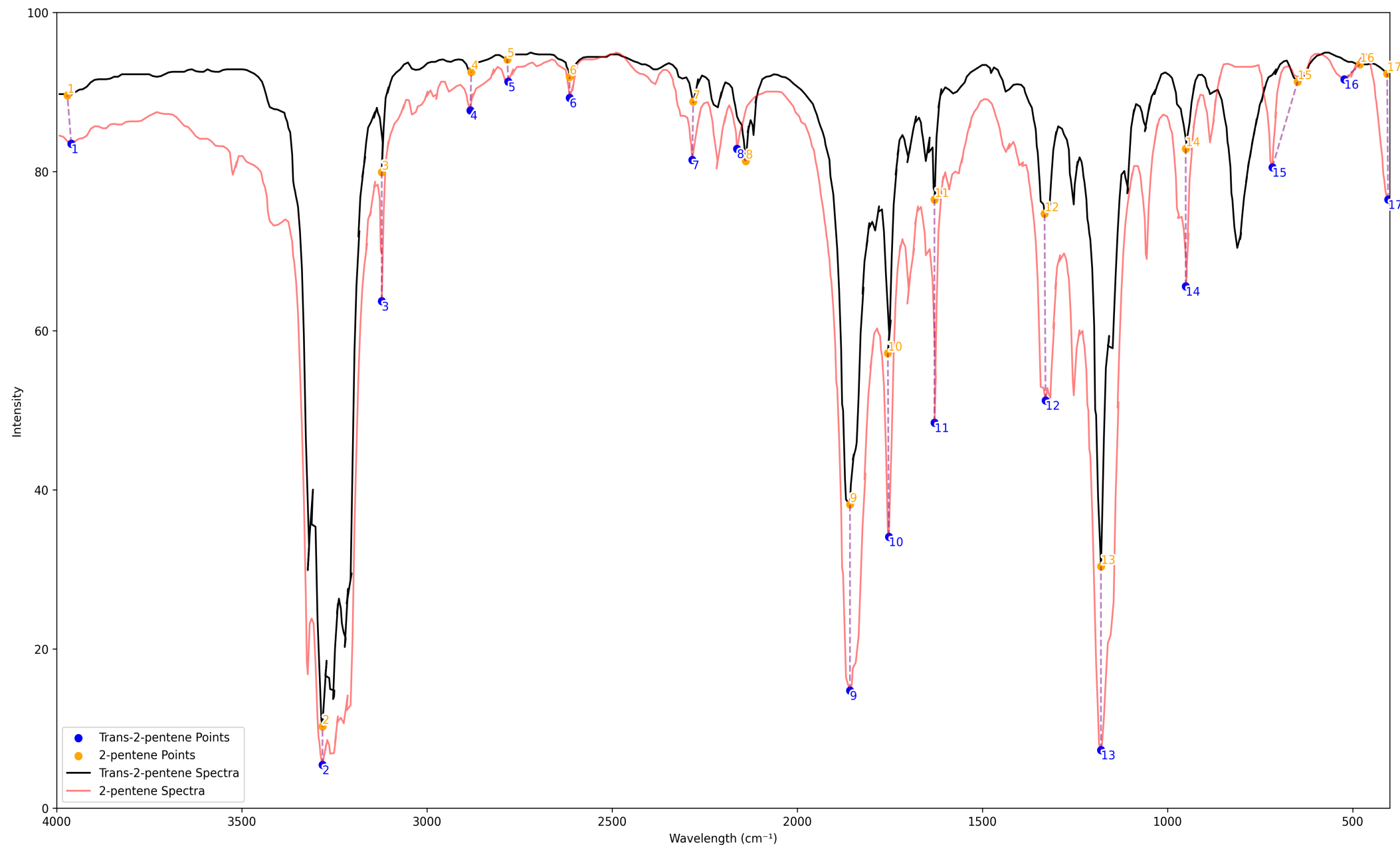
3. 2-pentyne



Id	2-pentyne	2-pentyne	2-pentene	2-pentene
	Wavelength (cm ⁻¹)	Intensity	Wavelength (cm ⁻¹)	Intensity
1	3995.08	84.75	3971.42	89.58
2	3290.57	5.14	3282.68	10.28
3	3124.96	74.47	3122.33	79.92
4	3048.72	83.66	3030.32	92.77
5	2914.66	88.33	2880.48	92.54
6	2761.31	88.39	2783.22	94.10
7	2649.15	84.28	2614.98	91.92
8	2520.34	94.41	2515.08	94.41
9	2423.08	91.45	2378.39	92.85
10	2173.35	84.60	2139.17	81.32
11	1852.64	16.35	1857.89	38.17
12	1750.11	39.10	1755.37	57.17
13	1676.51	12.30	1629.19	76.49
14	1429.41	72.75	1437.29	90.05
15	1319.00	39.26	1332.14	74.70
16	1161.27	75.87	1179.67	30.38
17	929.94	63.09	950.97	82.88
18	695.98	85.69	811.65	70.42
19	625.00	85.06	648.66	91.29

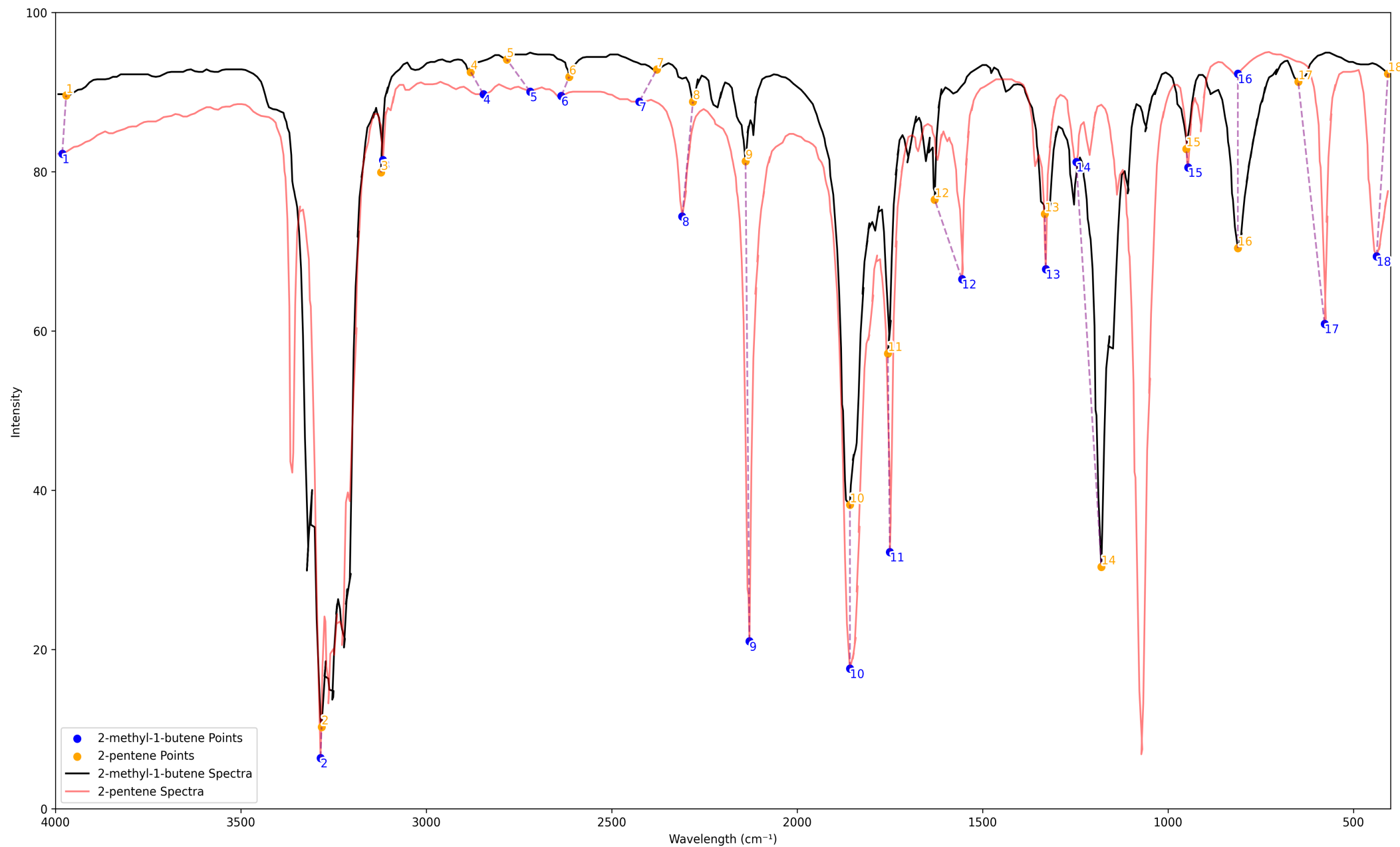
Id	2-pentyne	2-pentyne	2-pentene	2-pentene
	Wavelength (cm ⁻¹)	Intensity	Wavelength (cm ⁻¹)	Intensity
20	535.63	60.13	480.42	93.48
21	406.82	71.98	406.82	92.31

4. Trans-2-pentene



Id	Trans-2-pentene Wavelength (cm⁻¹)	Trans-2-pentene Intensity	2-pentene Wavelength (cm⁻¹)	2-pentene Intensity
1	3960.90	83.50	3971.42	89.58
2	3282.68	5.45	3282.68	10.28
3	3122.33	63.72	3122.33	79.92
4	2883.11	87.71	2880.48	92.54
5	2780.59	91.29	2783.22	94.10
6	2614.98	89.27	2614.98	91.92
7	2283.75	81.48	2281.12	88.80
8	2162.83	82.88	2139.17	81.32
9	1857.89	14.80	1857.89	38.17
10	1752.74	34.12	1755.37	57.17
11	1629.19	48.45	1629.19	76.49
12	1329.51	51.25	1332.14	74.70
13	1179.67	7.32	1179.67	30.38
14	950.97	65.59	950.97	82.88
15	717.01	80.54	648.66	91.29
16	522.48	91.61	480.42	93.48
17	404.19	76.49	406.82	92.31

5. 2-methyl-1-butene



Id	2-methyl-1-butene	2-methyl-1-butene	2-pentene	2-pentene
	Wavelength (cm ⁻¹)	Intensity	Wavelength (cm ⁻¹)	Intensity
1	3981.93	82.26	3971.42	89.58
2	3285.31	6.38	3282.68	10.28
3	3117.07	81.48	3122.33	79.92
4	2846.31	89.74	2880.48	92.54
5	2720.13	90.05	2783.22	94.10
6	2636.01	89.50	2614.98	91.92
7	2425.71	88.80	2378.39	92.85
8	2310.04	74.39	2281.12	88.80
9	2128.66	21.03	2139.17	81.32
10	1857.89	17.60	1857.89	38.17
11	1750.11	32.25	1755.37	57.17
12	1555.59	66.52	1629.19	76.49
13	1329.51	67.77	1332.14	74.70
14	1247.15	81.22	1179.67	30.38
15	945.71	80.54	950.97	82.88
16	811.65	92.31	811.65	70.42
17	577.69	60.91	648.66	91.29
18	437.49	69.38	406.82	92.31