

# Information Details

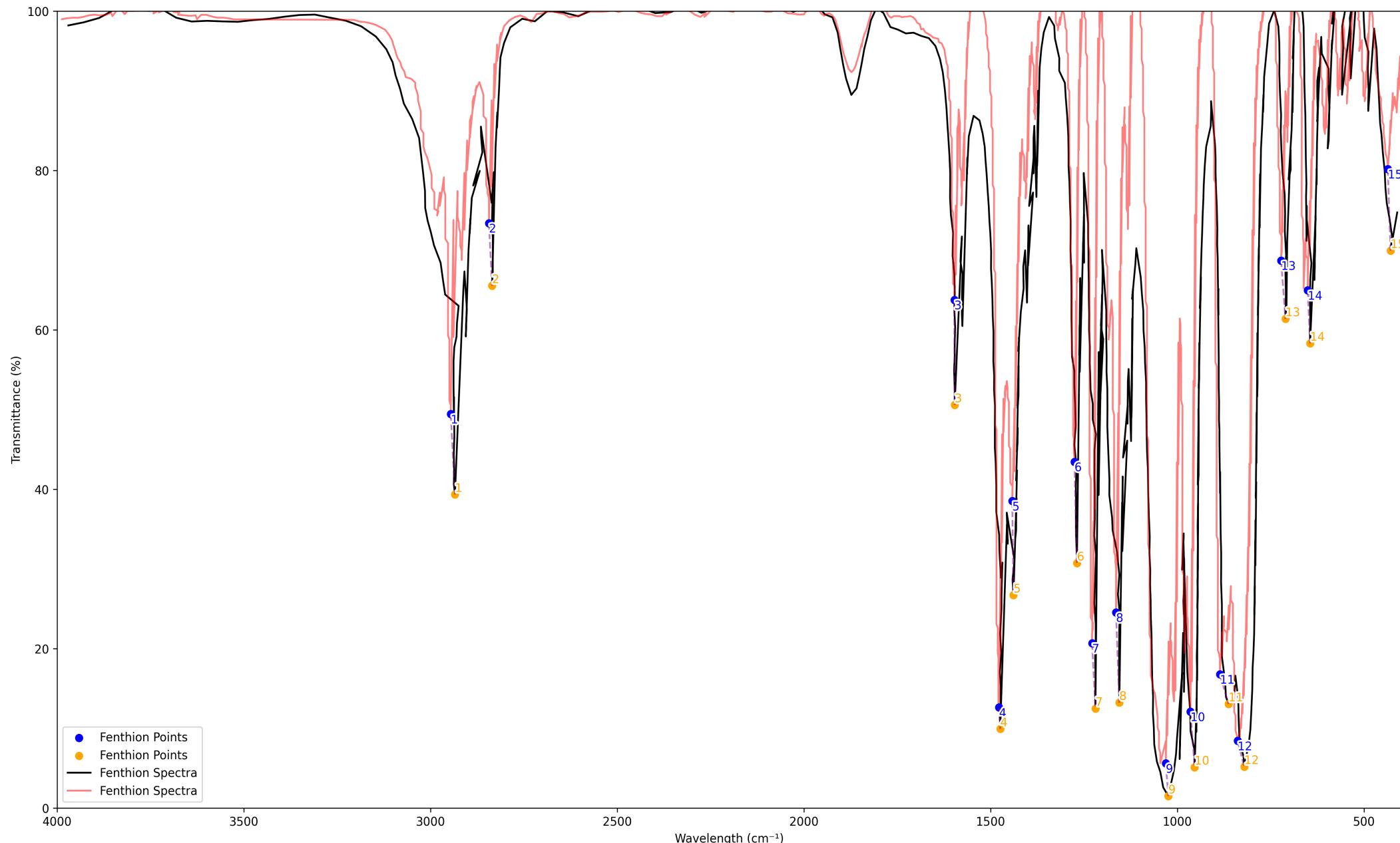
5/6/2024 - 00:23:54

Analyzed Compound Name: Fenthion

Analyzed Range: 25 cm<sup>-1</sup>

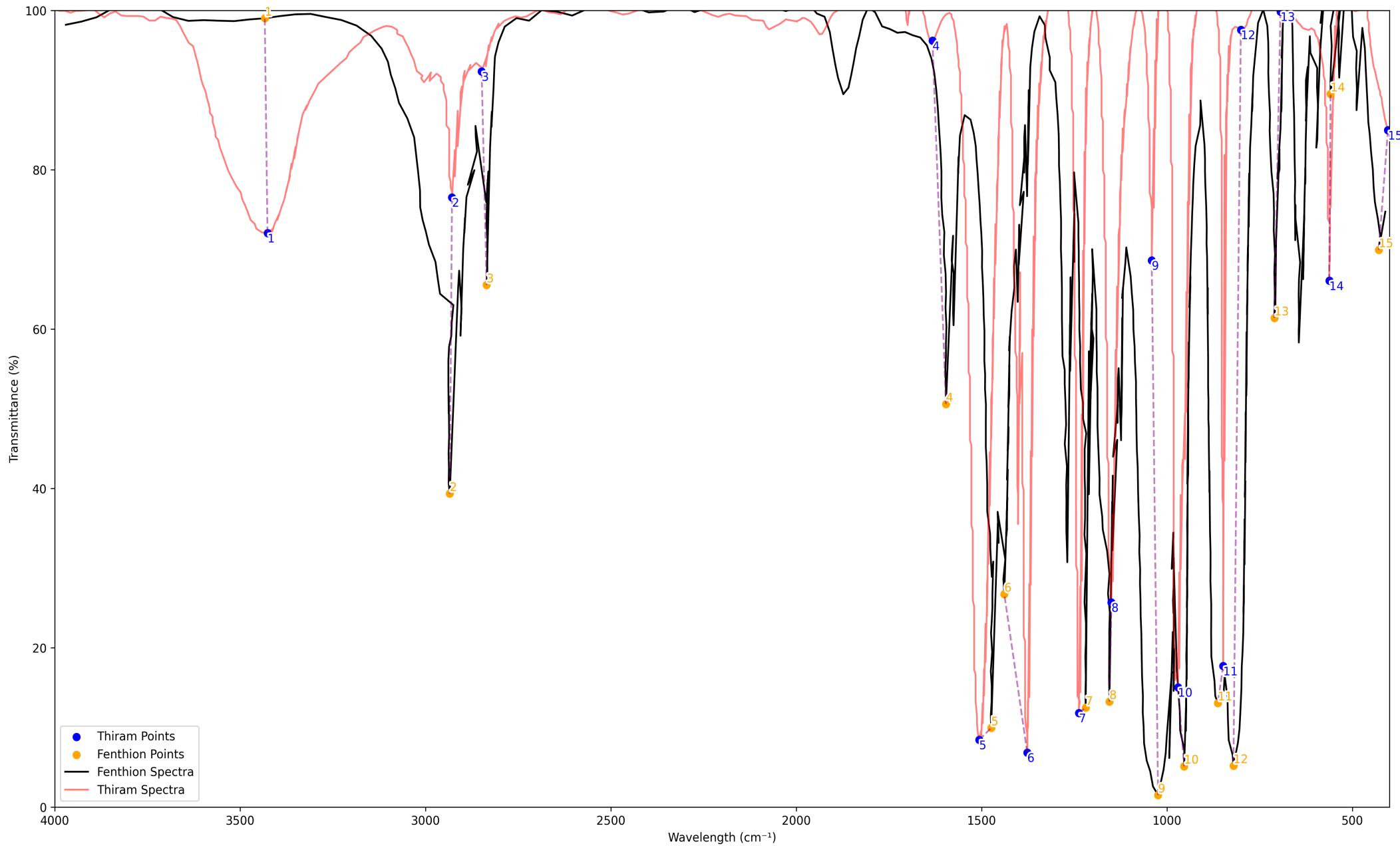
Id	Database Compound	Similarity Factor
1	Fenthion	1.00
2	Thiram	0.65
3	Fenitrothion	0.64
4	Chlorpyrifos-methyl	0.63
5	Tetrachlorvinphos	0.63

# 1. Fenthion



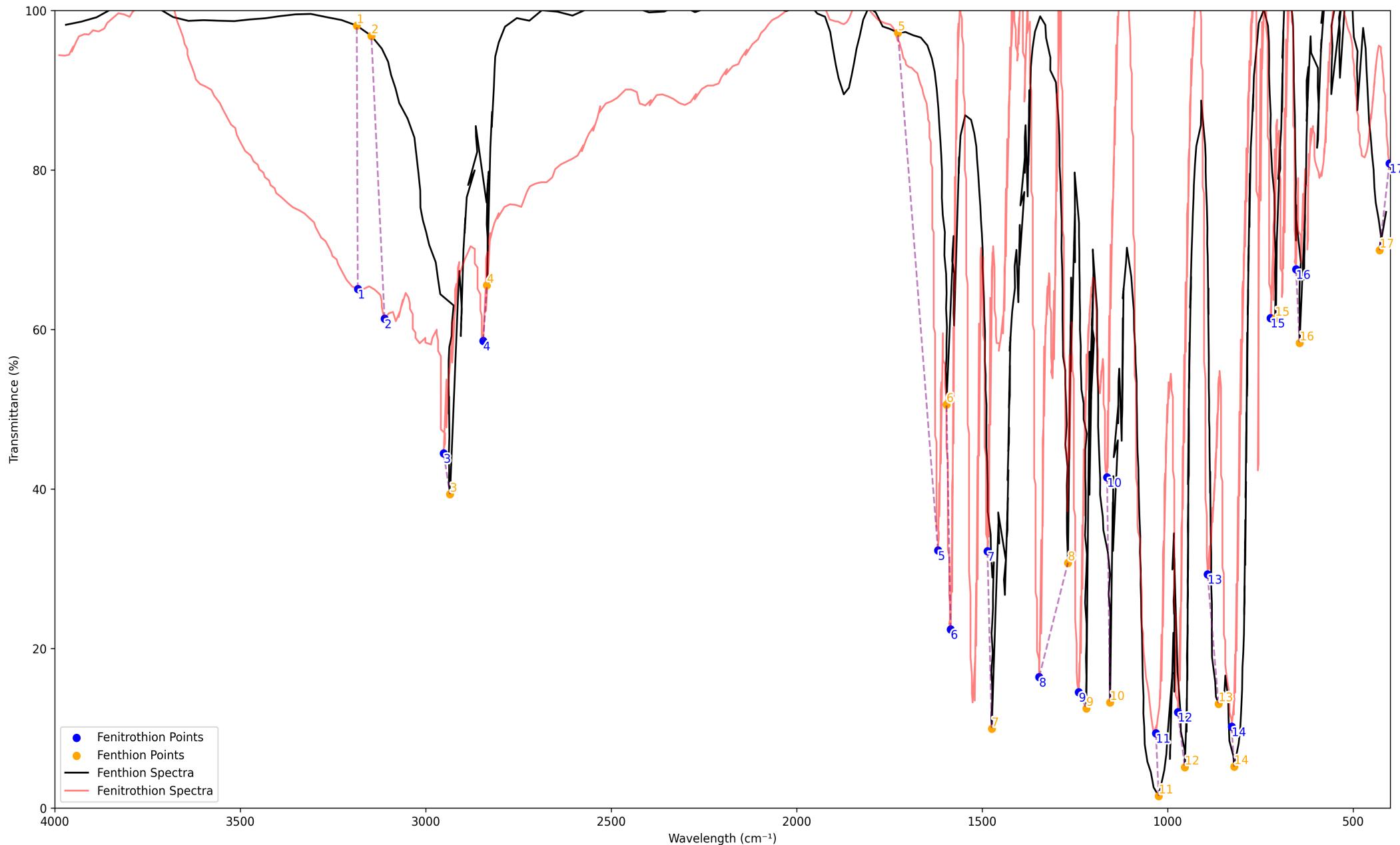
Id	Fenthion	Fenthion	Fenthion	Fenthion
	Wavelength (cm <sup>-1</sup> )	Transmittance (%)	Wavelength (cm <sup>-1</sup> )	Transmittance (%)
1	2946.04	49.44	2934.72	39.35
2	2843.73	73.40	2835.28	65.54
3	1597.12	63.77	1596.22	50.60
4	1477.35	12.62	1474.23	9.94
5	1442.06	38.52	1438.79	26.73
6	1275.39	43.45	1268.80	30.74
7	1228.27	20.70	1219.22	12.50
8	1164.15	24.55	1155.20	13.24
9	1030.83	5.62	1024.04	1.51
10	964.81	12.09	953.53	5.14
11	885.98	16.79	862.79	13.07
12	838.54	8.43	820.69	5.20
13	721.92	68.71	710.31	61.40
14	650.58	64.97	644.26	58.32
15	436.21	80.18	428.72	69.96

## 2. Thiram



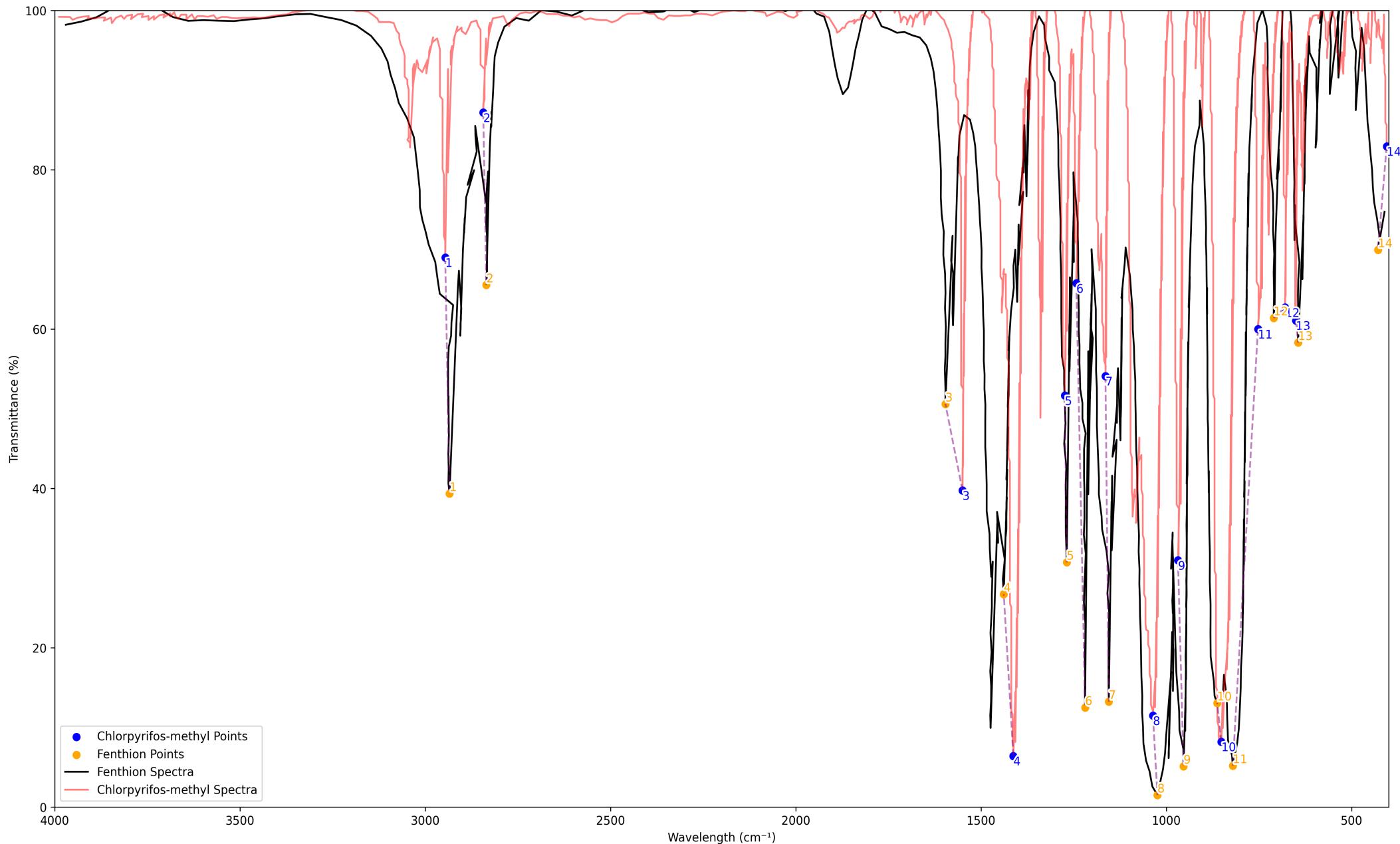
Id	Thiram	Thiram	Fenthion	Fenthion
	Wavelength (cm <sup>-1</sup> )	Transmittance (%)	Wavelength (cm <sup>-1</sup> )	Transmittance (%)
1	3426.40	72.06	3433.76	99.02
2	2928.66	76.54	2934.72	39.35
3	2848.68	92.35	2835.28	65.54
4	1632.59	96.20	1596.22	50.60
5	1506.66	8.45	1474.23	9.94
6	1376.92	6.85	1438.79	26.73
7	1237.64	11.83	1219.22	12.50
8	1149.87	25.70	1155.20	13.24
9	1041.11	68.63	1024.04	1.51
10	970.52	15.04	953.53	5.14
11	848.41	17.71	862.79	13.07
12	800.71	97.58	820.69	5.20
13	693.86	99.86	710.31	61.40
14	562.21	66.08	558.76	89.51
15	403.85	84.97	428.72	69.96

### 3. Fenitrothion



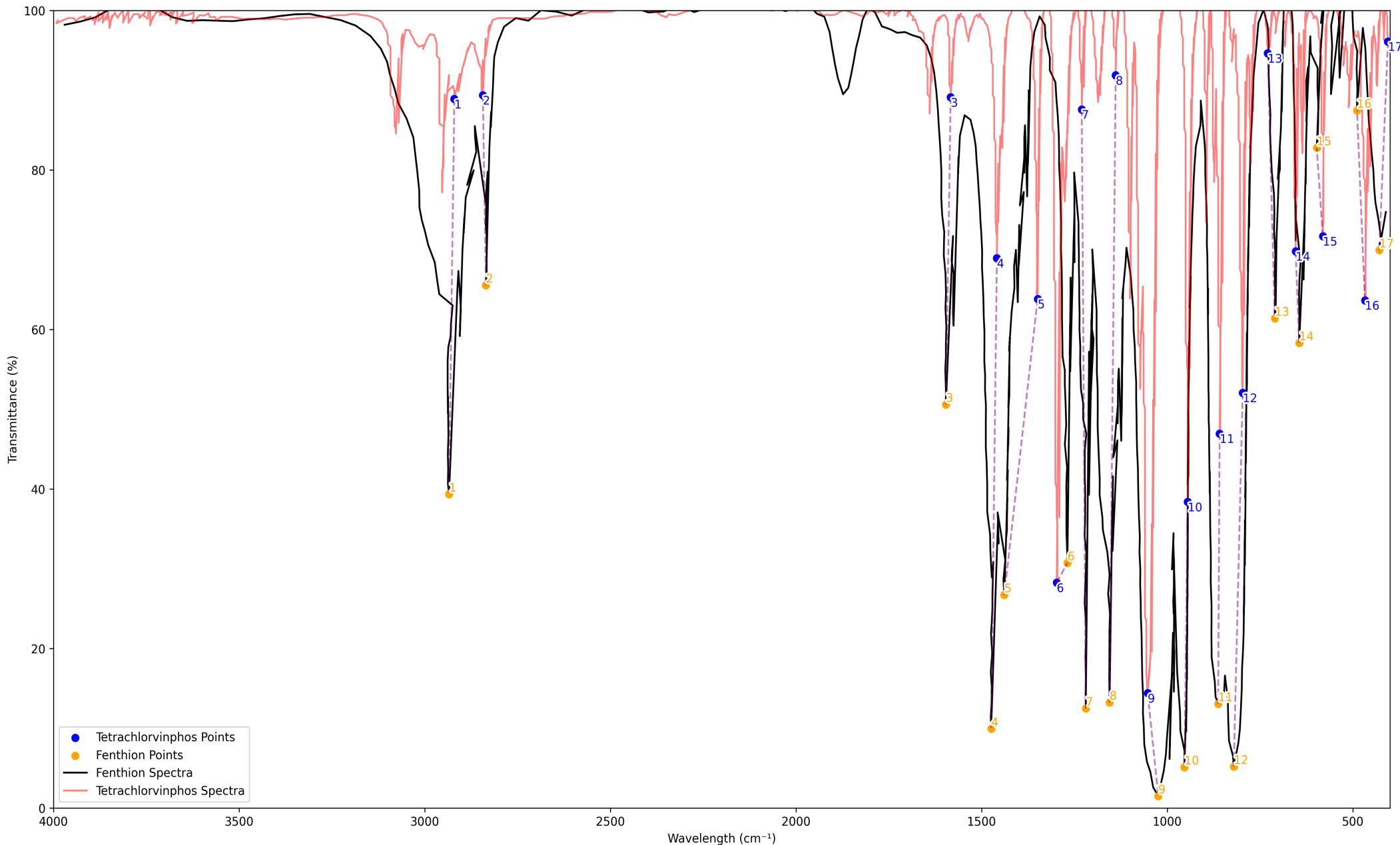
Id	Fenitrothion	Fenitrothion	Fenthion	Fenthion
	Wavelength (cm <sup>-1</sup> )	Transmittance (%)	Wavelength (cm <sup>-1</sup> )	Transmittance (%)
1	3183.36	65.07	3186.12	98.10
2	3111.23	61.35	3146.72	96.82
3	2951.88	44.48	2934.72	39.35
4	2845.33	58.56	2835.28	65.54
5	1619.23	32.30	1727.19	97.20
6	1584.89	22.41	1596.22	50.60
7	1485.67	32.20	1474.23	9.94
8	1346.39	16.42	1268.80	30.74
9	1239.54	14.53	1219.22	12.50
10	1163.22	41.46	1155.20	13.24
11	1031.57	9.38	1024.04	1.51
12	972.43	12.02	953.53	5.14
13	892.29	29.32	862.79	13.07
14	827.42	10.20	820.69	5.20
15	722.48	61.45	710.31	61.40
16	653.79	67.53	644.26	58.32
17	401.94	80.84	428.72	69.96

## 4. Chlorpyrifos-methyl



Id	Chlorpyrifos-methyl	Chlorpyrifos-methyl	Fenthion	Fenthion
	Wavelength (cm <sup>-1</sup> )	Transmittance (%)	Wavelength (cm <sup>-1</sup> )	Transmittance (%)
1	2946.23	68.99	2934.72	39.35
2	2843.66	87.18	2835.28	65.54
3	1550.14	39.75	1596.22	50.60
4	1412.84	6.42	1438.79	26.73
5	1273.97	51.65	1268.80	30.74
6	1242.92	65.75	1219.22	12.50
7	1164.23	54.11	1155.20	13.24
8	1036.05	11.48	1024.04	1.51
9	968.43	30.97	953.53	5.14
10	851.30	8.20	862.79	13.07
11	752.70	60.00	820.69	5.20
12	679.55	62.71	710.31	61.40
13	650.28	61.08	644.26	58.32
14	405.22	82.94	428.72	69.96

## 5. Tetrachlorvinphos



Id	Tetrachlorvinphos	Tetrachlorvinphos	Fenthion	Fenthion
	Wavelength (cm <sup>-1</sup> )	Transmittance (%)	Wavelength (cm <sup>-1</sup> )	Transmittance (%)
1	2920.47	88.90	2934.72	39.35
2	2843.64	89.39	2835.28	65.54
3	1583.24	89.11	1596.22	50.60
4	1458.79	68.95	1474.23	9.94
5	1349.01	63.84	1438.79	26.73
6	1297.67	28.26	1268.80	30.74
7	1230.19	87.60	1219.22	12.50
8	1138.74	91.87	1155.20	13.24
9	1052.52	14.41	1024.04	1.51
10	944.69	38.38	953.53	5.14
11	858.74	46.96	862.79	13.07
12	796.57	52.07	820.69	5.20
13	729.04	94.64	710.31	61.40
14	653.97	69.81	644.26	58.32
15	580.81	71.70	597.11	82.78
16	467.37	63.67	488.59	87.49
17	405.29	96.12	428.72	69.96