

**J. Gmehling**

**U. Onken**

# **VAPOR-LIQUID EQUILIBRIUM DATA COLLECTION**

**Esters**

**Supplement 2**



## **Chemistry Data Series**

**Vol. I, Part 5b**

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# Vapor-Liquid Equilibrium Data Collection

**5b**

**Esters**

**Supplement 2**

Tables and diagrams of data for binary and multicomponent mixtures up to moderate pressures. Constants of correlation equations for computer use.

**J. Gmehling, U. Onken**

Technische Chemie  
Universität Oldenburg

# 5b

## Esters

### Systems with:

Allyl Acetate	Hexyl Acetate
Benzyl Acetate	Isobronyl Formate
Butanoic Acid-1,2,3-Propanetriyl Ester	Isobutyl Acetate
Butyl Acetate	Isobutyl Formate
tert-Butyl Acetate	Isobutyl Isobutyrate
Butyl Formate	Isopentyl Acetate
Butyl Methacrylate	Isopropyl Acetate
N-Butyl Octadecanoate	Methyl Acetate
Butyl Propionate	Methyl Acrylate
sec-Butylacrylate	Methyl Butyrate
Gamma-Butyrolactone	Methyl Formate
Epsilon -Caprolactane	Methyl Methacrylate
Dibutyl Phthalate	Methyl Palmitate
Diethyl carbonate	Methyl Perfluorobutyrate
Diethyl Oxalate	Methyl Propionate
Dimethyl Carbonate	Methyl Stearate
Dimethyl Glutarate	Monomethyl Adipate
Dinonyl Phthalate	Pentyl Acetate
1,3-Dioxolan-2-One <Ethylene Carbonate>	Propyl Acetate
Ethan Acetate	Propyl Butyrate
Ethyl Acetate	Propyl Formate
Ethyl Butyrate	Propyl Propionate
Ethyl Formate	1,2-Propyleneglycol Diacetate
Ethyl Propinate	Tributyl Phosphate
Ethyl Stearate	Vinyl Acetate
Ethyl Trichloroacetate	Vinyl Propionate

## SUBJECTS OF VOLUME I

The subjects of Volume I in the Chemistry Data Series (CDS) are:

Subtitle	Vol. I, Part
Aqueous Systems	1 1a 1b
Organic Hydroxy Compounds	
Alcohols	2a
Alcohols and Phenols	2b 2c 2d 2e 2f
Aldehydes, Ketones, Ethers	3/4
Aldehydes	3a
Ketones	3b
Ethers	4a 4b
Carboxylic Acids, Anhydrides, Esters	5
Carboxylic Acids, Anhydrides	5a
Esters	5b
Aliphatic Hydrocarbons C <sub>4</sub> -C <sub>6</sub>	6a
Aliphatic Hydrocarbons C <sub>7</sub> -C <sub>18</sub>	6b 6c
Aliphatic Hydrocarbons C <sub>4</sub> -C <sub>30</sub>	6d/e
Aromatic Hydrocarbons	7 7a 7/b
Halogen, Nitrogen, Sulfur and other compounds	8 8a

A substance index to Volume I on CD-ROM is available from the DECHEMA e.V. and its agents.

## AUTHORS' PREFACE

With this volume we have pleasure in publishing a new supplement of the Vapor-Liquid Equilibrium Data Collection for esters as DECHEMA Chemistry Data Series Volume I Part 5b.

The data in this book are taken from the Dortmund Data Bank and are available in electronic form. The Dortmund Data Bank covers a wide range of properties in addition to the VLE,  $h^E$ ,  $\gamma^\infty$ , for example: data bases of the vapor-liquid equilibria of low boiling substances (HPV), azeotropic data (AZD), gas solubilities (GLE), solid-liquid equilibria (SLE) and a pure component property data base(PCP). Data in electronic form can be obtained from DDBST GmbH, Oldenburg, Germany or DECHEMA e.V., Frankfurt am Main. Data collections for inhouse use are available from DDBST GmbH; DECHEMA e.V.; FIZ Chemie GmbH, Berlin, Germany and Aspen Technology, Inc., Cambridge, Massachusetts, USA. DDBST GmbH can also supply a large program system well suited to handling the data in the data banks. Online versions of the database are hosted by STN International (Columbus, Ohio, USA; Karlsruhe, Germany and Tokyo, Japan) and DECHEMA e.V. (via the Internet).

We would like to thank J. Krafczyk and J. Menke for computer programming assistance in order to allow publication of data determined under non-isotherm and non-isobaric conditions. In addition we would like to sincerely thank all those colleagues who have both supported and continue to support the endeavours of the thermodynamic group at the University of Oldenburg by delivering VLE data from their research. At this juncture we would like to request other colleagues in this field to send us unpublished data and reprints of their publications on thermophysical properties.

Oldenburg, November 2002

J. Gmehling

U. Onken

## EXECUTIVE EDITOR'S PREFACE

The aim of DECHEMA e.V., The Society for Chemical Technology and Biotechnology when it was founded in 1926 was to improve cooperation between chemist and engineer. As the importance of mathematical modelling, computer simulation and optimisation became apparent in the mid-nineteen-seventies, this ideal resulted in the production and publication of collections of basic thermophysical data in both electronic and book form. This is not data that could have easily found a publisher outside the engineering societies, because of its sheer volume and limited circle of interest. By its sponsoring and publication of the DECHEMA Chemistry Data Series DECHEMA e.V. has been associated with these endeavours for over a quarter of a century. Much of the original work to determine the values obtained was financed by the German Ministry of Research.

It is to be hoped that publication of this data collection by DECHEMA e.V. in the DECHEMA Chemistry Data Series will inspire other authors to consider publishing their collections of thermophysical data. DECHEMA e.V. is always pleased to assist colleagues from the thermophysical data community in preparing their results, their studies, their collections and their assessments for publication. DECHEMA e.V. is always prepared to enlarge the scope of the DECHEMA Chemistry Data Series and is thus pleased to hear from readers, designers, scientists and engineers of areas where thermophysical data is not available or scarce. We hope that the end user finds the data of utility and of interest.

Frankfurt am Main, November 2002

Gerhard Kreysa

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Cl <sub>4</sub> Sn	Tin Tetrachloride	C <sub>4</sub> H <sub>5</sub> Cl <sub>3</sub> O <sub>2</sub>	Ethyl Trichloroacetate	164–166
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	200–202, 213
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Butyl Formate	312–314
			Ethyl Propionate	319–320
			Ethyl Propionate	321–322
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	388–391
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Butyl Propionate	445–448
			Isopentyl Acetate	449–452
CCl <sub>4</sub>	Tetrachloromethane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	7
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	81
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	203–206
		C <sub>6</sub> H <sub>16</sub> O <sub>2</sub>	Hexyl Acetate	469
		C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	475–480
CHBr <sub>3</sub>	Tribromomethane (R20b3)	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	27–28
CHCl <sub>3</sub>	Chloroform	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	29–34R
		C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	481–484
CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	35–36
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	207–208
CH <sub>3</sub> I	Methyl Iodide	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	37–38R
CH <sub>3</sub> NO <sub>2</sub>	Nitromethane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	39
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	209–212
			Methyl Propionate	272
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl Propionate	318
			Isopropyl Acetate	330
		Propyl Acetate	342	
C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	1,1,2-Trichloro-1,2,2-Trifluoroethane (R113)	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	40

$C_2HBrClF_3$	1-Bromo-1-Chloro-2,2,2-Trifluoroethane	$C_3H_6O_2$	Methyl Acetate	41
$C_2HCl_5$	Pentachloroethane	$C_3H_6O_2$	Methyl Acetate	42
		$C_4H_8O_2$	Ethyl Acetate	214
$C_2H_2Cl_2$	Trans-1,2-Dichloroethylene	$C_3H_6O_2$	Methyl Acetate	43
$C_2H_2Cl_4$	1,1,2,2-Tetrachloro Ethane	$C_3H_6O_2$	Ethyl Formate	8
		$C_4H_8O_2$	Ethyl Acetate	215-216
			Propyl Formate	276-277
		$C_5H_{10}O_2$	Ethyl Propionate	323-324
			Propyl Acetate	343-344
			Ethyl Butyrate	429-430
			Propyl Propionate	434-435
	1,1,2,2-Tetrachloroethane	$C_7H_{14}O_2$	Propyl Butyrate	461-463R
$C_2H_3Cl_3$	1,1,1-Trichloroethane (R140a)	$C_3H_6O_3$	Dimethyl Carbonate	82-85R
$C_2H_3N$	Acetonitrile	$C_4H_8O_2$	Ethyl Acetate	217
	Acetonitrile	$C_3H_6O_2$	Ethyl Formate	9
			Methyl Acetate	44
		$C_4H_8O_2$	Ethyl Acetate	218-219R
		$C_5H_8O_2$	Methyl Methacrylate	294
	Acetonitrile	$C_4H_6O_2$	Vinyl Acetate	179
	$C_2H_4Cl_2$	1,2-Dichloroethane	$C_3H_6O_3$	Dimethyl Carbonate
$C_6H_{12}O_2$			Butyl Acetate	392
$C_2H_4O_2$	Methyl Formate	$C_3H_6O_2$	Methyl Acetate	1
		$C_4H_8O_2$	Propyl Formate	2
		$C_5H_{10}O_2$	Propyl Acetate	3
$C_2H_5NO_2$	Nitroethane	$C_3H_6O_2$	Methyl Acetate	45

		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	220
			Methyl Propionate	273
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl Propionate	325
			Isopropyl Acetate	331
			Propyl Acetate	345
C <sub>2</sub> H <sub>6</sub> OS	Dimethyl Sulfoxide	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	221
C <sub>3</sub> H <sub>3</sub> N	Acrylonitrile	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	180
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	295
C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	1,3-Dioxolan-2-One <ethylene Carbonate>	C <sub>6</sub> H <sub>6</sub>	Benzene	4
		C <sub>7</sub> H <sub>8</sub>	Toluene	5
		C <sub>8</sub> H <sub>10</sub>	p-Xylene	6
C <sub>3</sub> H <sub>5</sub> Cl	3-Chloro-1-Propene	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	222
C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	1,2-Dichloropropane	C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	1,2-Propyleneglycol Diacetate	443-444
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	CCl <sub>4</sub>	Tetrachloromethane	7
		C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloro Ethane	8
		C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	9
		C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	10
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	11
		C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	12-14
		C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	15
		C <sub>6</sub> H <sub>6</sub>	Benzene	16-19
		C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Diethyl Oxalate	20-22
		C <sub>6</sub> H <sub>12</sub>	Cyclohexane	23
		C <sub>7</sub> H <sub>8</sub>	Toluene	24-26
	Methyl Acetate	CHBr <sub>3</sub>	Tribromomethane (R20b3)	27-28
		CHCl <sub>3</sub>	Chloroform	29-34R

$\text{CH}_2\text{Cl}_2$	Dichloromethane	35–36
$\text{CH}_3\text{I}$	Methyl Iodide	37–38R
$\text{CH}_3\text{NO}_2$	Nitromethane	39
$\text{C}_2\text{Cl}_3\text{F}_3$	1,1,2-Trichloro-1,2,2-Trifluoroethane (R113)	40
$\text{C}_2\text{HBrClF}_3$	1-Bromo-1-Chloro-2,2,2-Trifluoroethane	41
$\text{C}_2\text{HCl}_5$	Pentachloroethane	42
$\text{C}_2\text{H}_2\text{Cl}_2$	Trans-1,2-Dichloroethylene	43
$\text{C}_2\text{H}_3\text{N}$	Acetonitrile	44
$\text{C}_2\text{H}_4\text{O}_2$	Methyl Formate	1
$\text{C}_2\text{H}_5\text{NO}_2$	Nitroethane	45
$\text{C}_3\text{H}_7\text{Br}$	Propyl Bromide	46
$\text{C}_4\text{H}_6\text{O}_2$	Ethyl Acetate	51–55R
	Methyl Acrylate	47
	Vinyl Acetate	48–50
$\text{C}_4\text{H}_8\text{O}_2$	Propyl Formate	56
$\text{C}_5\text{H}_8\text{O}_2$	Methyl Methacrylate	57
$\text{C}_5\text{H}_{10}$	1-Pentene	58–59
$\text{C}_5\text{H}_{10}\text{O}_2$	Propyl Acetate	60
$\text{C}_5\text{H}_{11}\text{Cl}$	1-Chloropentane	61
$\text{C}_5\text{H}_{12}$	Pentane	62–64
$\text{C}_6\text{H}_7\text{N}$	Aniline	65
$\text{C}_6\text{H}_{10}\text{O}_4$	Acetaldehyde Diacetate	66
$\text{C}_6\text{H}_{12}$	1-Hexene	67
$\text{C}_6\text{H}_{12}\text{O}_2$	Butyl Acetate	68
$\text{C}_6\text{H}_{13}\text{Cl}$	1-Chlorohexane	69
$\text{C}_6\text{H}_{14}$	Hexane	70–74

		C <sub>7</sub> H <sub>8</sub>	Toluene	75
		C <sub>7</sub> H <sub>16</sub>	Heptane	76
		C <sub>8</sub> H <sub>10</sub>	Ethylbenzene	77
			o-Xylene	78
		C <sub>8</sub> H <sub>11</sub> N	N,N-Dimethylaniline	79
		C <sub>12</sub> H <sub>26</sub>	Dodecane	80
C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	CCl <sub>4</sub>	Tetrachloromethane	81
		C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	1,1,1-Trichloroethane (R140a)	82–85R
		C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	1,2-Dichloroethane	86–89R
		C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	Propylene Carbonate	90
		C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	Dimethyl Oxalate	91
		C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	92–98R
		C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	99–100
		C <sub>6</sub> H <sub>6</sub>	Benzene	101–114R
		C <sub>6</sub> H <sub>10</sub>	1-Hexyne	115–119
			2-Hexyne	120–122
			3-Hexyne	123–126
		C <sub>6</sub> H <sub>12</sub>	Cyclohexane	127–136
			1-Hexene	137–144
		C <sub>6</sub> H <sub>14</sub>	Hexane	145–146
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Isopentyl Acetate	147
		C <sub>7</sub> H <sub>16</sub>	Heptane	148–156
		C <sub>8</sub> H <sub>18</sub>	Octane	157–158
		C <sub>9</sub> H <sub>12</sub>	Isopropylbenzene	159–162
		C <sub>10</sub> H <sub>22</sub>	Decane	163
C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	10

			Methyl Acetate	46
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		$C_5H_{10}O_2$	Ethyl Propionate	326–328
			Methyl Butyrate	341
			Propyl Acetate	346–349R
$C_3H_7NO$	N,N-Dimethylformamide (DMF)	$C_4H_8O_2$	Ethyl Acetate	223–225
		$C_6H_{12}O_2$	Butyl Acetate	393–395R
		$C_{16}H_{22}O_4$	Dibutyl Phthalate	500
$C_3H_9N$	Trimethylamine	$C_4H_8O_2$	Ethyl Acetate	226
$C_4H_5Cl_3O_2$	Ethyl Trichloroacetate	$Cl_4Sn$	Tin Tetrachloride	164–166
$C_4H_6$	1,3-Butadiene	$C_4H_8O_2$	Ethyl Acetate	227
$C_4H_6O_2$	Ethyl Acetate	$C_3H_6O_2$	Methyl Acetate	51–55R
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		$C_{13}H_{12}$	Diphenylmethane	170–172
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		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	182
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl Propionate	183
			Isopropyl Acetate	184
			Propyl Acetate	185
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		C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Acetaldehyde Diacetate	187–188
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	189
			Isobutyl Acetate	190
		C <sub>6</sub> H <sub>14</sub>	Hexane	191–195R
		C <sub>7</sub> H <sub>8</sub>	Toluene	196
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	197
		C <sub>9</sub> H <sub>20</sub>	Nonane	198
		C <sub>10</sub> H <sub>22</sub>	Decane	199
C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	Propylene Carbonate	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	90
C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	Dimethyl Oxalate	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	91
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	Cl <sub>4</sub> Sn	Tin Tetrachloride	200–202, 213
		CCl <sub>4</sub>	Tetrachloromethane	203–206
		CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	207–208
		CH <sub>3</sub> NO <sub>2</sub>	Nitromethane	209–212
		C <sub>2</sub> HCl <sub>5</sub>	Pentachloroethane	214
		C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloro Ethane	215–216
		C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	217
			Acetonitrile	218–219R
		C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Nitroethane	220
		C <sub>2</sub> H <sub>6</sub> OS	Dimethyl Sulfoxide	221
		C <sub>3</sub> H <sub>5</sub> Cl	3-Chloro-1-Propene	222



$C_3H_6O_2$	Ethyl Formate	11
$C_3H_7NO$	N,N-Dimethylformamide (DMF)	223–225
$C_3H_9N$	Trimethylamine	226
$C_4H_6$	1,3-Butadiene	227
$C_4H_6O_2$	Vinyl Acetate	182
$C_4H_9Cl$	Butyl Chloride	228–230
$C_4H_{11}N$	Diethylamine	231–232
$C_5H_5N$	Pyridine	233–236
$C_5H_{11}Cl$	1-Chloropentane	237
$C_6H_5Cl$	Chlorobenzene	238
$C_6H_6$	Benzene	239–241R
$C_6H_7N$	Aniline	242–244
	2-Methylpyridine	245
$C_6H_{12}$	Cyclohexane	246–250R
$C_6H_{12}O_2$	Butyl Acetate	251
$C_6H_{13}Cl$	1-Chlorohexane	252
$C_6H_{14}$	Hexane	253
$C_7H_{14}$	Methylcyclohexane	254–256R
$C_7H_{14}O_2$	Isopentyl Acetate	257
	Pentyl Acetate	258
$C_7H_{16}$	Heptane	259–264R
$C_8H_{10}$	o-Xylene	265
$C_8H_{18}$	Octane	266–268
$C_9H_{20}$	Nonane	269
$C_{10}H_{12}$	1,2,3,4-Tetrahydronaphthalene	270
$C_{12}H_{26}$	Dodecane	271

	Methyl Propionate	CH <sub>3</sub> NO <sub>2</sub>	Nitromethane	272
		C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Nitroethane	273
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Butyl Propionate	274–275
	Propyl Formate	C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloro Ethane	276–277
		C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	2
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	56
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	278
		C <sub>6</sub> H <sub>6</sub>	Benzene	279–284
		C <sub>7</sub> H <sub>16</sub>	Heptane	285
		C <sub>8</sub> H <sub>18</sub>	Octane	286
		C <sub>9</sub> H <sub>20</sub>	Nonane	287
C <sub>4</sub> H <sub>9</sub> Cl	Butyl Chloride	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	228–230
C <sub>4</sub> H <sub>9</sub> NO	N,N-Dimethylacetamide	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	396
C <sub>4</sub> H <sub>10</sub>	2-Methylpropane	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	tert-Butyl Acetate	428
C <sub>4</sub> H <sub>11</sub> N	Diethylamine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	231–232
C <sub>5</sub> H <sub>3</sub> F <sub>7</sub> O <sub>2</sub>	Methyl Perfluorobutyrate	C <sub>6</sub> H <sub>6</sub>	Benzene	288–289
		C <sub>7</sub> F <sub>14</sub>	Perfluoromethylcyclohexane	290–292R
C <sub>5</sub> H <sub>5</sub> N	Pyridine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	233–236
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	350
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	397
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Allyl Acetate	C <sub>8</sub> H <sub>12</sub> O <sub>4</sub>	Diethyl Maleate	293
	Methyl Methacrylate	C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	294
		C <sub>3</sub> H <sub>3</sub> N	Acrylonitrile	295
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	57
		C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	296
		C <sub>5</sub> H <sub>10</sub>	Cyclopentane	297

		$C_6H_6$	Benzene	298
		$C_6H_{12}$	Cyclohexane	299–303R
		$C_6H_{14}$	Hexane	304–305
		$C_7H_8$	Toluene	306
		$C_7H_{16}$	Heptane	307
		$C_8H_{12}O_3$	Vinylxyethyl Methacrylate	308
		$C_8H_{18}$	Octane	309
		$C_9H_{20}$	Nonane	310
	Vinyl Propionate	$C_6H_{10}O_2$	Vinyl Butyrate	311
$C_5H_{10}$	Cyclopentane	$C_5H_8O_2$	Methyl Methacrylate	297
		$C_5H_{10}O_2$	Isopropyl Acetate	332
	1-Pentene	$C_3H_6O_2$	Methyl Acetate	58–59
$C_5H_{10}O_2$	Butyl Formate	$Cl_4Sn$	Tin Tetrachloride	312–314
		$C_5H_{10}O_2$	Isobutyl Formate	315–316
		$C_7H_8$	Toluene	317
	Ethyl Propionate	$Cl_4Sn$	Tin Tetrachloride	319–320
		$C_2H_2Cl_4$	1,1,2,2-Tetrachloro Ethane	323–324
		$C_2H_5NO_2$	Nitroethane	325
		$C_3H_7Br$	Propyl Bromide	326–328
	Ethyl Propionate	$Cl_4Sn$	Tin Tetrachloride	321–322
		$CH_3NO_2$	Nitromethane	318
		$C_4H_6O_2$	Vinyl Acetate	183
	Isobutyl Formate	$C_5H_{10}O_2$	Butyl Formate	315–316
		$C_7H_8$	Toluene	329
	Isopropyl Acetate	$CH_3NO_2$	Nitromethane	330
		$C_2H_5NO_2$	Nitroethane	331

		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	184
		C <sub>5</sub> H <sub>10</sub>	Cyclopentane	332
		C <sub>6</sub> H <sub>12</sub>	Cyclohexane	333–334
		C <sub>6</sub> H <sub>14</sub>	Hexane	335–337
		C <sub>8</sub> H <sub>10</sub>	m-Xylene	338
		C <sub>8</sub> H <sub>18</sub>	Octane	339–340
Methyl Butyrate		C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	341
Propyl Acetate		CH <sub>3</sub> NO <sub>2</sub>	Nitromethane	342
		C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloro Ethane	343–344
		C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	3
		C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Nitroethane	345
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	60
		C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	346–349R
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	185
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl Formate	278
		C <sub>5</sub> H <sub>5</sub> N	Pyridine	350
		C <sub>6</sub> H <sub>6</sub>	Benzene	351–354
		C <sub>6</sub> H <sub>12</sub>	Cyclohexane	355, 357R
		C <sub>7</sub> H <sub>14</sub>	Methylcyclohexane	358–360R
		C <sub>7</sub> H <sub>16</sub>	Heptane	361
		C <sub>8</sub> H <sub>10</sub>	m-Xylene	362
		C <sub>8</sub> H <sub>12</sub> O <sub>4</sub>	Diethyl Maleate	363
		C <sub>9</sub> H <sub>12</sub>	Isopropylbenzene	364–367
		C <sub>9</sub> H <sub>20</sub>	Nonane	368
C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	12–14
		C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	Dimethyl Carbonate	92–98R

		$C_6H_6$	Benzene	369
		$C_6H_{10}O_4$	Diethyloxalate	370–372
		$C_6H_{12}$	Cyclohexane	373–374
		$C_6H_{14}$	Hexane	375–376
		$C_7H_{16}$	Heptane	377
		$C_8H_{18}$	Octane	378–379
$C_5H_{11}Cl$	1-Chloropentane	$C_3H_6O_2$	Methyl Acetate	61
		$C_4H_8O_2$	Ethyl Acetate	237
$C_5H_{12}$	Pentane	$C_3H_6O_2$	Methyl Acetate	62–64
		$C_4H_6O_2$	Methyl Acrylate	173
		$C_{26}H_{42}O_4$	Dinonyl Phthalate	507
$C_5H_{12}O_2$	Propyl Acetate	$C_6H_{12}$	Cyclohexane	356
$C_6H_5Cl$	Chlorobenzene	$C_3H_6O_2$	Ethyl Formate	15
		$C_3H_6O_3$	Dimethyl Carbonate	99–100
		$C_4H_8O_2$	Ethyl Acetate	238
$C_6H_6$	Benzene	$C_3H_4O_3$	1,3-Dioxolan-2-One <ethylene Carbonate>	4
		$C_3H_6O_2$	Ethyl Formate	16–19
		$C_3H_6O_3$	Dimethyl Carbonate	101–114R
		$C_4H_6O_2$	Gamma-Butyrolactone	167–169
			Methyl Acrylate	174
			Vinyl Acetate	186
		$C_4H_8O_2$	Ethyl Acetate	239–241R
			Propyl Formate	279–284
		$C_5H_3F_7O_2$	Methyl Perfluorobutyrate	288–289
		$C_5H_8O_2$	Methyl Methacrylate	298
		$C_5H_{10}O_2$	Propyl Acetate	351–354

		C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	369
		C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	Epsilon – Caprolactane	380
			Epsilon -Caprolactane	381–382
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	398
		C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	485–489
		C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	Dinonyl Phthalate	508
C <sub>6</sub> H <sub>7</sub> N	Aniline	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	65
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	242–244
	2-Methylpyridine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	245
C <sub>6</sub> H <sub>10</sub>	1-Hexyne	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	115–119
	2-Hexyne	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	120–122
	3-Hexyne	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	123–126
C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	Epsilon – Caprolactane	C <sub>6</sub> H <sub>6</sub>	Benzene	380
	Epsilon -Caprolactane	C <sub>6</sub> H <sub>6</sub>	Benzene	381–382
	Vinyl Butyrate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Vinyl Propionate	311
C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Acetaldehyde Diacetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	66
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	187–188
	Diethyl Oxalate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	20–22
		C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Methyl Salicylate	383–387
	Diethyloxalate	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	370–372
C <sub>6</sub> H <sub>12</sub>	Cyclohexane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	23
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	127–136
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	246–250R
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	299–303R
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Isopropyl Acetate	333–334
			Propyl Acetate	355, 357R

		$C_5H_{10}O_3$	Diethyl Carbonate	373-374
		$C_5H_{12}O_2$	Propyl Acetate	356
		$C_6H_{12}O_2$	Butyl Acetate	399-400
		$C_{26}H_{42}O_4$	Dinonyl Phthalate	509
	1-Hexene	$C_3H_6O_2$	Methyl Acetate	67
		$C_3H_6O_3$	Dimethyl Carbonate	137-144
$C_6H_{12}O_2$	Butyl Acetate	$Cl_4Sn$	Tin Tetrachloride	388-391
		$C_2H_4Cl_2$	1,2-Dichloroethane	392
		$C_3H_6O_2$	Methyl Acetate	68
		$C_3H_7NO$	N,N-Dimethylformamide (DMF)	393-395R
		$C_4H_6O_2$	Vinyl Acetate	189
		$C_4H_8O_2$	Ethyl Acetate	251
		$C_4H_9NO$	N,N-Dimethylacetamide	396
		$C_5H_5N$	Pyridine	397
		$C_6H_6$	Benzene	398
		$C_6H_{12}$	Cyclohexane	399-400
		$C_6H_{14}$	Hexane	401
		$C_7H_8$	Toluene	402-403R
		$C_7H_{14}$	Methylcyclohexane	404-406R
		$C_8H_{10}$	Ethylbenzene	407-409
			o-Xylene	410-411
		$C_8H_{14}$	1-Octyne	412-415
			3-Octyne	416-419
		$C_8H_{16}$	1-Octene	420-423
		$C_9H_6N_2O_2$	2,4-Toluene Diisocyanate	424
		$C_9H_{10}$	Alpha-Methyl Styrene	425-427

	tert-Butyl Acetate	C <sub>4</sub> H <sub>10</sub>	2-Methylpropane	428
	Ethyl Butyrate	C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloro Ethane	429–430
	Isobutyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	190
		C <sub>7</sub> H <sub>8</sub>	Toluene	431
		C <sub>7</sub> H <sub>16</sub>	Heptane	432
		C <sub>8</sub> H <sub>16</sub>	1-Octene	433
		Propyl Propionate	C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloro Ethane
	C <sub>7</sub> H <sub>16</sub>		Heptane	436–437
	C <sub>9</sub> H <sub>20</sub>		Nonane	438–439
C <sub>6</sub> H <sub>13</sub> Cl	1-Chlorohexane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	69
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	252
C <sub>6</sub> H <sub>14</sub>	Hexane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	70–74
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	145–146
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acrylate	175
			Vinyl Acetate	191–195R
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	253
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	304–305
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Isopropyl Acetate	335–337
		C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	375–376
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	401
		C <sub>22</sub> H <sub>44</sub> O <sub>2</sub>	N-Butyl Octadecanoate	505–506
C <sub>7</sub> F <sub>14</sub>	Perfluoromethylcyclohexane	C <sub>5</sub> H <sub>3</sub> F <sub>7</sub> O <sub>2</sub>	Methyl Perfluorobutyrate	290–292R
C <sub>7</sub> H <sub>8</sub>	Toluene	C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	1,3-Dioxolan-2-One <ethylene Carbonate>	5
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	24–26
			Methyl Acetate	75
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	196



		$C_5H_8O_2$	Methyl Methacrylate	306
		$C_5H_{10}O_2$	Butyl Formate	317
			Isobutyl Formate	329
		$C_6H_{12}O_2$	Butyl Acetate	402-403R
			Isobutyl Acetate	431
		$C_8H_{16}O_2$	Isobutyl Isobutyrate	470
		$C_9H_{10}O_2$	Benzyl Acetate	471
		$C_{14}H_{12}O_2$	Benzyl Benzoate	497
$C_7H_{12}O_2$	sec-Butylacrylate	$C_8H_{16}$	1-Octene	440
$C_7H_{12}O_4$	Dimethyl Glutarate	$C_8H_{14}O_4$	Dimethyl Adipate	441
	Monomethyl Adipate	$C_8H_{14}O_4$	Dimethyl Adipate	442
	1,2-Propyleneglycol Diacetate	$C_3H_6Cl_2$	1,2-Dichloropropane	443-444
$C_7H_{14}$	Methylcyclohexane	$C_4H_8O_2$	Ethyl Acetate	254-256R
		$C_5H_{10}O_2$	Propyl Acetate	358-360R
		$C_6H_{12}O_2$	Butyl Acetate	404-406R
$C_7H_{14}O_2$	Butyl Propionate	$Cl_4Sn$	Tin Tetrachloride	445-448
		$C_4H_8O_2$	Methyl Propionate	274-275
	Isopentyl Acetate	$Cl_4Sn$	Tin Tetrachloride	449-452
		$C_3H_6O_3$	Dimethyl Carbonate	147
		$C_4H_8O_2$	Ethyl Acetate	257
	Pentyl Acetate	$C_4H_6O_2$	Vinyl Acetate	197
		$C_4H_8O_2$	Ethyl Acetate	258
		$C_8H_{10}$	o-Xylene	453-456
		$C_9H_{20}$	Nonane	457-459
	Propyl Butyrate	$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	461-463R
		$C_7H_{16}$	Heptane	464-465

		C <sub>9</sub> H <sub>20</sub>	Nonane	466
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	C <sub>9</sub> H <sub>20</sub>	Nonane	460
C <sub>7</sub> H <sub>16</sub>	Heptane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	76
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	148–156
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acrylate	176
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	259–264R
			Propyl Formate	285
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	307
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	361
		C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	377
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Isobutyl Acetate	432
			Propyl Propionate	436–437
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Propyl Butyrate	464–465
		C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	490–496
		C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	Dinonyl Phthalate	510
C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Methyl Salicylate	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Diethyl Oxalate	383–387
C <sub>8</sub> H <sub>10</sub>	Ethylbenzene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	77
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	407–409
	m-Xylene	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Isopropyl Acetate	338
			Propyl Acetate	362
	o-Xylene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	78
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Acetate	265
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	410–411
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	453–456
	p-Xylene	C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	1,3-Dioxolan-2-One <ethylene Carbonate>	6
C <sub>8</sub> H <sub>11</sub> N	N,N-Dimethylaniline	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	79

$C_8H_{12}O_3$	Vinyloxyethyl Methacrylate	$C_5H_8O_2$	Methyl Methacrylate	308
$C_8H_{12}O_4$	Diethyl Maleate	$C_5H_{10}O_2$	Propyl Acetate	363
	Diethyl Maleate	$C_5H_8O_2$	Allyl Acetate	293
$C_8H_{14}$	1-Octyne	$C_6H_{12}O_2$	Butyl Acetate	412–415
	3-Octyne	$C_6H_{12}O_2$	Butyl Acetate	416–419
$C_8H_{14}O_2$	Butyl Methacrylate	$C_8H_{16}O_3$	2-Hydroxy-2-Methyl-Prop ionic Acid Butyl Ester	467–468
$C_8H_{14}O_4$	Dimethyl Adipate	$C_7H_{12}O_4$	Dimethyl Glutarate	441
			Monomethyl Adipate	442
$C_8H_{16}$	1-Octene	$C_6H_{12}O_2$	Butyl Acetate	420–423
			Isobutyl Acetate	433
			sec-Butylacrylate	440
$C_8H_{16}O_2$	Hexyl Acetate	$CCl_4$	Tetrachloromethane	469
	Isobutyl Isobutyrate	$C_7H_8$	Toluene	470
$C_8H_{16}O_3$	2-Hydroxy-2-Methyl-Propionic Acid Butyl Ester	$C_8H_{14}O_2$	Butyl Methacrylate	467–468
$C_8H_{18}$	Octane	$C_3H_6O_3$	Dimethyl Carbonate	157–158
		$C_4H_6O_2$	Methyl Acrylate	177
		$C_4H_8O_2$	Ethyl Acetate	266–268
			Propyl Formate	286
		$C_5H_8O_2$	Methyl Methacrylate	309
		$C_5H_{10}O_2$	Isopropyl Acetate	339–340
		$C_5H_{10}O_3$	Diethyl Carbonate	378–379
		$C_{26}H_{42}O_4$	Dinonyl Phthalate	511
$C_9H_6N_2O_2$	2,4-Toluene Diisocyanate	$C_6H_{12}O_2$	Butyl Acetate	424
$C_9H_{10}$	Alpha-Methyl Styrene	$C_6H_{12}O_2$	Butyl Acetate	425–427
$C_9H_{10}O_2$	Benzyl Acetate	$C_7H_8$	Toluene	471
		$C_{14}H_{12}O_2$	Benzyl Benzoate	472–473

C <sub>9</sub> H <sub>12</sub>	Isopropylbenzene	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	159–162
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	364–367
C <sub>9</sub> H <sub>20</sub>	Nonane	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	198
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	269
			Propyl Formate	287
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	310
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	368
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Propyl Propionate	438–439
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	457–459
			Propyl Butyrate	466
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	460
C <sub>10</sub> H <sub>12</sub>	1,2,3,4-Tetrahydronaphthalene	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	270
C <sub>10</sub> H <sub>16</sub>	Limonene	C <sub>11</sub> H <sub>18</sub> O <sub>2</sub>	Isobornyl Formate	474
C <sub>10</sub> H <sub>22</sub>	Decane	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	163
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acrylate	178
			Vinyl Acetate	199
C <sub>11</sub> H <sub>18</sub> O <sub>2</sub>	Isobornyl Formate	C <sub>10</sub> H <sub>16</sub>	Limonene	474
C <sub>12</sub> H <sub>26</sub>	Dodecane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	80
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	271
C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	CCl <sub>4</sub>	Tetrachloromethane	475–480
		CHCl <sub>3</sub>	Chloroform	481–484
		C <sub>6</sub> H <sub>6</sub>	Benzene	485–489
		C <sub>7</sub> H <sub>16</sub>	Heptane	490–496
C <sub>13</sub> H <sub>12</sub>	Diphenylmethane	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Gamma-Butyrolactone	170–172
C <sub>14</sub> H <sub>12</sub> O <sub>2</sub>	Benzyl Benzoate	C <sub>7</sub> H <sub>8</sub>	Toluene	497
		C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Benzyl Acetate	472–473

$C_{15}H_{26}O_6$	Butanoic Acid-1,2,3-Propanetriyl Ester	$C_{21}H_{38}O_6$	Hexanoic Acid 1,2,3-Propanetriyl Ester	498
		$C_{27}H_{50}O_6$	Octanoic Acid, 1,2,3-Propanetriyl Ester	499
$C_{16}H_{22}O_4$	Dibutyl Phthalate	$C_3H_7NO$	N,N-Dimethylformamide (DMF)	500
		$C_{18}H_{34}O_4$	Dibutyl Sebacate	501
$C_{17}H_{34}O_2$	Methyl Palmitate	$C_{19}H_{38}O_2$	Methyl Stearate	502
$C_{18}H_{34}O_4$	Dibutyl Sebacate	$C_{16}H_{22}O_4$	Dibutyl Phthalate	501
$C_{18}H_{38}$	Octadecane	$C_{26}H_{42}O_4$	Dinonyl Phthalate	512
$C_{19}H_{24}$	Bis (Isopropylphenyl) Methane	$C_{20}H_{40}O_2$	Ethyl Stearate	504
$C_{19}H_{36}O_2$	Methyl Oleate	$C_{19}H_{38}O_2$	Methyl Stearate	503
$C_{19}H_{38}O_2$	Methyl Stearate	$C_{17}H_{34}O_2$	Methyl Palmitate	502
		$C_{19}H_{36}O_2$	Methyl Oleate	503
$C_{20}H_{40}O_2$	Ethyl Stearate	$C_{19}H_{24}$	Bis (Isopropylphenyl) Methane	504
$C_{21}H_{38}O_6$	Hexanoic Acid 1,2,3-Propanetriyl Ester	$C_{15}H_{26}O_6$	Butanoic Acid-1,2,3-Propanetriyl Ester	498
$C_{22}H_{44}O_2$	N-Butyl Octadecanoate	$C_6H_{14}$	Hexane	505–506
$C_{26}H_{42}O_4$	Dinonyl Phthalate	$C_5H_{12}$	Pentane	507
		$C_6H_6$	Benzene	508
		$C_6H_{12}$	Cyclohexane	509
		$C_7H_{16}$	Heptane	510
		$C_8H_{18}$	Octane	511
		$C_{18}H_{38}$	Octadecane	512
$C_{27}H_{50}O_6$	Octanoic Acid, 1,2,3-Propanetriyl Ester	$C_{15}H_{26}O_6$	Butanoic Acid-1,2,3-Propanetriyl Ester	499

CCl <sub>4</sub>	Tetrachloromethane	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	C <sub>6</sub> H <sub>6</sub>	Benzene	539–544
		C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	536–538
		C <sub>6</sub> H <sub>6</sub>	Benzene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	519
CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	C <sub>5</sub> H <sub>12</sub>	Pentane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	520
C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	521–522
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl Formate	513
				C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	514
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl Formate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	515–516
C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	523
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	C <sub>6</sub> H <sub>12</sub>	Cyclohexane	517–518
		CCl <sub>4</sub>	Tetrachloromethane	C <sub>6</sub> H <sub>6</sub>	Benzene	519
	Methyl Acetate	CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	C <sub>5</sub> H <sub>12</sub>	Pentane	520
		C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	521–522
				C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Methacrylate	525–526
				C <sub>7</sub> H <sub>8</sub>	Toluene	527–528
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	524
				C <sub>7</sub> H <sub>8</sub>	Toluene	529–530
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl Formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	513
				C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	531
	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	514	
C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	521–522
		C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	523
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	524
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	525–526
				C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	532–533
		C <sub>6</sub> H <sub>12</sub>	Cyclohexane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	517–518

		C <sub>7</sub> H <sub>8</sub>	Toluene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	527–528
				C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	534–535
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	523
				C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	524
				C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	532–533
				C <sub>7</sub> H <sub>8</sub>	Toluene	534–535
		C <sub>7</sub> H <sub>8</sub>	Toluene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	529–530
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Acetate	CCl <sub>4</sub>	Tetrachloromethane	C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	536–538
		C <sub>6</sub> H <sub>6</sub>	Benzene	CCl <sub>4</sub>	Tetrachloromethane	539–544
				C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	548
				C <sub>7</sub> H <sub>8</sub>	Toluene	549–552
		C <sub>6</sub> H <sub>12</sub>	Cyclohexane	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	2-Methyl Pyrazine	545–546
		C <sub>6</sub> H <sub>14</sub>	Hexane	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	2-Methyl Pyrazine	547
	Propyl Formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	513
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	515–516
				C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	531
C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	2-Methyl Pyrazine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	C <sub>6</sub> H <sub>12</sub>	Cyclohexane	545–546
				C <sub>6</sub> H <sub>14</sub>	Hexane	547
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	525–526
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	532–533
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	514
				C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl Formate	515–516
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl Formate	531
C <sub>5</sub> H <sub>12</sub>	Pentane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	520
C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	CCl <sub>4</sub>	Tetrachloromethane	536–538
C <sub>6</sub> H <sub>6</sub>	Benzene	CCl <sub>4</sub>	Tetrachloromethane	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	539–544

		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	CCl <sub>4</sub>	Tetrachloromethane	519
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Acetate	548
		C <sub>7</sub> H <sub>8</sub>	Toluene	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	549–552
C <sub>6</sub> H <sub>12</sub>	Cyclohexane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	517–518
		C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	2-Methyl Pyrazine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	545–546
	Methylcyclopentane	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Dibutyl Phthalate	C <sub>6</sub> H <sub>14</sub>	Hexane	558
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	C <sub>6</sub> H <sub>6</sub>	Benzene	548
C <sub>6</sub> H <sub>14</sub>	Hexane	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	2-Methyl Pyrazine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	547
		C <sub>6</sub> H <sub>12</sub>	Methylcyclopentane	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Dibutyl Phthalate	558
C <sub>7</sub> H <sub>8</sub>	Toluene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	527–528
				C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	529–530
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	534–535
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	C <sub>6</sub> H <sub>6</sub>	Benzene	549–552
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	C <sub>9</sub> H <sub>20</sub>	Nonane	C <sub>8</sub> H <sub>10</sub>	o-Xylene	553–556
C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Benzoate	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	p-Tolyl Acid Methylester	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Dimethylterephthalate	557
C <sub>8</sub> H <sub>10</sub>	o-Xylene	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	C <sub>9</sub> H <sub>20</sub>	Nonane	553–556
C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	p-Tolyl Acid Methylester	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Dimethylterephthalate	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Benzoate	557
C <sub>9</sub> H <sub>20</sub>	Nonane	C <sub>8</sub> H <sub>10</sub>	o-Xylene	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	553–556
C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Dimethylterephthalate	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Benzoate	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	p-Tolyl Acid Methylester	557
C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Dibutyl Phthalate	C <sub>6</sub> H <sub>14</sub>	Hexane	C <sub>6</sub> H <sub>12</sub>	Methylcyclopentane	558



Cl <sub>4</sub> Sn	Tin Tetrachloride	C <sub>4</sub> H <sub>5</sub> Cl <sub>3</sub> O <sub>2</sub>	Ethyl Trichloroacetate	164–166
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	200–202, 213
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Butyl Formate	312–314
			Ethyl Propionate	319–320
			Ethyl Propionate	321–322
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	388–391
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Butyl Propionate	445–448
			Isopentyl Acetate	449–452
CCl <sub>4</sub>	Tetrachloromethane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	7
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	81
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	203–206
		C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Hexyl Acetate	469
		C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	475–480
CHBr <sub>3</sub>	Tribromomethane (R20b3)	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	27–28
CHCl <sub>3</sub>	Chloroform	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	29–34R
		C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	481–484
CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	35–36
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	207–208
CH <sub>3</sub> I	Methyl Iodide	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	37–38R
CH <sub>3</sub> NO <sub>2</sub>	Nitromethane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	39
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	209–212
			Methyl Propionate	272
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl Propionate	318
			Isopropyl Acetate	330
			Propyl Acetate	342

$C_2Cl_3F_3$	1,1,2-Trichloro-1,2,2-Trifluoroethane (R113)	$C_3H_6O_2$	Methyl Acetate	40
$C_2HBrClF_3$	1-Bromo-1-Chloro-2,2,2-Trifluoroethane	$C_3H_6O_2$	Methyl Acetate	41
$C_2HCl_5$	Pentachloroethane	$C_3H_6O_2$	Methyl Acetate	42
		$C_4H_8O_2$	Ethyl Acetate	214
$C_2H_2Cl_2$	Trans-1,2-Dichloroethylene	$C_3H_6O_2$	Methyl Acetate	43
$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	$C_3H_6O_2$	Ethyl Formate	8
		$C_4H_8O_2$	Ethyl Acetate	215–216
			Propyl Formate	276–277
		$C_5H_{10}O_2$	Ethyl Propionate	323–324
			Propyl Acetate	343–344
		$C_6H_{12}O_2$	Ethyl Butyrate	429–430
			Propyl Propionate	434–435
	1,1,2,2-Tetrachloroethane	$C_7H_{14}O_2$	Propyl Butyrate	461–463R
$C_2H_3Cl_3$	1,1,1-Trichloroethane (R140a)	$C_3H_6O_3$	Dimethyl Carbonate	82–85R
$C_2H_3N$	Acetonitrile	$C_4H_8O_2$	Ethyl Acetate	217
		$C_3H_6O_2$	Ethyl Formate	9
			Methyl Acetate	44
	Acetonitrile	$C_4H_8O_2$	Ethyl Acetate	218–219R
		$C_5H_8O_2$	Methyl Methacrylate	294
		$C_4H_6O_2$	Vinyl Acetate	179
$C_2H_4Cl_2$	1,2-Dichloroethane	$C_3H_6O_3$	Dimethyl Carbonate	86–89R
		$C_6H_{12}O_2$	Butyl Acetate	392

C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	1
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl Formate	2
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	3
C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Nitroethane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	45
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	220
			Methyl Propionate	273
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl Propionate	325
			Isopropyl Acetate	331
			Propyl Acetate	345
C <sub>2</sub> H <sub>6</sub> OS	Dimethyl Sulfoxide	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	221
C <sub>3</sub> H <sub>3</sub> N	Acrylonitrile	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	180
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	295
C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	1,3-Dioxolan-2-One <ethylene Carbonate>	C <sub>6</sub> H <sub>6</sub>	Benzene	4
		C <sub>7</sub> H <sub>8</sub>	Toluene	5
		C <sub>8</sub> H <sub>10</sub>	p-Xylene	6
C <sub>3</sub> H <sub>5</sub> Cl	3-Chloro-1-Propene	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	222
C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	1,2-Dichloropropane	C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	1,2-Propyleneglycol Diacetate	443-444
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	CCl <sub>4</sub>	Tetrachloromethane	7
		C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloro Ethane	8
		C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	9
		C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	10
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	11
		C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	12-14
		C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	15
		C <sub>6</sub> H <sub>6</sub>	Benzene	16-19

## Methyl Acetate

$C_6H_{10}O_4$	Diethyl Oxalate	20–22
$C_6H_{12}$	Cyclohexane	23
$C_7H_8$	Toluene	24–26
$CHBr_3$	Tribromomethane (R20b3)	27–28
$CHCl_3$	Chloroform	29–34R
$CH_2Cl_2$	Dichloromethane	35–36
$CH_3I$	Methyl Iodide	37–38R
$CH_3NO_2$	Nitromethane	39
$C_2Cl_3F_3$	1,1,2-Trichloro-1,2,2-Trifluoroethane (R113)	40
$C_2HBrClF_3$	1-Bromo-1-Chloro-2,2,2-Trifluoroethane	41
$C_2HCl_5$	Pentachloroethane	42
$C_2H_2Cl_2$	Trans-1,2-Dichloroethylene	43
$C_2H_3N$	Acetonitrile	44
$C_2H_4O_2$	Methyl Formate	1
$C_2H_5NO_2$	Nitroethane	45
$C_3H_7Br$	Propyl Bromide	46
$C_4H_6O_2$	Ethyl Acetate	51–55R
	Methyl Acrylate	47
	Vinyl Acetate	48–50
$C_4H_8O_2$	Propyl Formate	56
$C_5H_8O_2$	Methyl Methacrylate	57
$C_5H_{10}$	1-Pentene	58–59
$C_5H_{10}O_2$	Propyl Acetate	60
$C_5H_{11}Cl$	1-Chloropentane	61
$C_5H_{12}$	Pentane	62–64
$C_6H_7N$	Aniline	65

		$C_6H_{10}O_4$	Acetaldehyde Diacetate	66
		$C_6H_{12}$	1-Hexene	67
		$C_6H_{12}O_2$	Butyl Acetate	68
		$C_6H_{13}Cl$	1-Chlorohexane	69
		$C_6H_{14}$	Hexane	70–74
		$C_7H_8$	Toluene	75
		$C_7H_{16}$	Heptane	76
		$C_8H_{10}$	Ethylbenzene	77
			o-Xylene	78
		$C_8H_{11}N$	N,N-Dimethylaniline	79
		$C_{12}H_{26}$	Dodecane	80
$C_3H_6O_3$	Dimethyl Carbonate	$CCl_4$	Tetrachloromethane	81
		$C_2H_3Cl_3$	1,1,1-Trichloroethane (R140a)	82–85R
		$C_2H_4Cl_2$	1,2-Dichloroethane	86–89R
		$C_4H_6O_3$	Propylene Carbonate	90
		$C_4H_6O_4$	Dimethyl Oxalate	91
		$C_5H_{10}O_3$	Diethyl Carbonate	92–98R
		$C_6H_5Cl$	Chlorobenzene	99–100
		$C_6H_6$	Benzene	101–114R
		$C_6H_{10}$	1-Hexyne	115–119
			2-Hexyne	120–122
			3-Hexyne	123–126
		$C_6H_{12}$	Cyclohexane	127–136
			1-Hexene	137–144
		$C_6H_{14}$	Hexane	145–146
		$C_7H_{14}O_2$	Isopentyl Acetate	147

		C <sub>7</sub> H <sub>16</sub>	Heptane	148–156
		C <sub>8</sub> H <sub>18</sub>	Octane	157–158
		C <sub>9</sub> H <sub>12</sub>	Isopropylbenzene	159–162
		C <sub>10</sub> H <sub>22</sub>	Decane	163
C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	10
			Methyl Acetate	46
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	181
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	296
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl Propionate	326–328
			Methyl Butyrate	341
			Propyl Acetate	346–349R
C <sub>3</sub> H <sub>7</sub> NO	N,N-Dimethylformamide (DMF)	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	223–225
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	393–395R
		C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Dibutyl Phthalate	500
C <sub>3</sub> H <sub>9</sub> N	Trimethylamine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	226
C <sub>4</sub> H <sub>5</sub> Cl <sub>3</sub> O <sub>2</sub>	Ethyl Trichloroacetate	Cl <sub>4</sub> Sn	Tin Tetrachloride	164–166
C <sub>4</sub> H <sub>6</sub>	1,3-Butadiene	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	227
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	51–55R
	Gamma-Butyrolactone	C <sub>6</sub> H <sub>6</sub>	Benzene	167–169
		C <sub>13</sub> H <sub>12</sub>	Diphenylmethane	170–172
	Methyl Acrylate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	47
		C <sub>5</sub> H <sub>12</sub>	Pentane	173
		C <sub>6</sub> H <sub>6</sub>	Benzene	174
		C <sub>6</sub> H <sub>14</sub>	Hexane	175
		C <sub>7</sub> H <sub>16</sub>	Heptane	176

		C <sub>8</sub> H <sub>18</sub>	Octane	177
		C <sub>10</sub> H <sub>22</sub>	Decane	178
	Vinyl Acetate	C <sub>2</sub> H <sub>3</sub> N	Acetonitrile	179
		C <sub>3</sub> H <sub>3</sub> N	Acrylonitrile	180
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	48–50
		C <sub>3</sub> H <sub>7</sub> Br	Propyl Bromide	181
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	182
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethyl Propionate	183
			Isopropyl Acetate	184
			Propyl Acetate	185
		C <sub>6</sub> H <sub>6</sub>	Benzene	186
		C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Acetaldehyde Diacetate	187–188
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	189
			Isobutyl Acetate	190
		C <sub>6</sub> H <sub>14</sub>	Hexane	191–195R
		C <sub>7</sub> H <sub>8</sub>	Toluene	196
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	197
		C <sub>9</sub> H <sub>20</sub>	Nonane	198
		C <sub>10</sub> H <sub>22</sub>	Decane	199
C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	Propylene Carbonate	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	90
C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	Dimethyl Oxalate	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	91
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	Cl <sub>4</sub> Sn	Tin Tetrachloride	200–202, 213
		CCl <sub>4</sub>	Tetrachloromethane	203–206
		CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	207–208
		CH <sub>3</sub> NO <sub>2</sub>	Nitromethane	209–212
		C <sub>2</sub> HCl <sub>5</sub>	Pentachloroethane	214

$C_2H_2Cl_4$	1,1,2,2-Tetrachloro Ethane	215–216
$C_2H_3N$	Acetonitrile	217
	Acetonitrile	218–219R
$C_2H_5NO_2$	Nitroethane	220
$C_2H_6OS$	Dimethyl Sulfoxide	221
$C_3H_5Cl$	3-Chloro-1-Propene	222
$C_3H_6O_2$	Ethyl Formate	11
$C_3H_7NO$	N,N-Dimethylformamide (DMF)	223–225
$C_3H_9N$	Trimethylamine	226
$C_4H_6$	1,3-Butadiene	227
$C_4H_6O_2$	Vinyl Acetate	182
$C_4H_9Cl$	Butyl Chloride	228–230
$C_4H_{11}N$	Diethylamine	231–232
$C_5H_5N$	Pyridine	233–236
$C_5H_{11}Cl$	1-Chloropentane	237
$C_6H_5Cl$	Chlorobenzene	238
$C_6H_6$	Benzene	239–241R
$C_6H_7N$	Aniline	242–244
	2-Methylpyridine	245
$C_6H_{12}$	Cyclohexane	246–250R
$C_6H_{12}O_2$	Butyl Acetate	251
$C_6H_{13}Cl$	1-Chlorohexane	252
$C_6H_{14}$	Hexane	253
$C_7H_{14}$	Methylcyclohexane	254–256R
$C_7H_{14}O_2$	Isopentyl Acetate	257
	Pentyl Acetate	258



		C <sub>7</sub> H <sub>16</sub>	Heptane	259–264R
		C <sub>8</sub> H <sub>10</sub>	o-Xylene	265
		C <sub>8</sub> H <sub>18</sub>	Octane	266–268
		C <sub>9</sub> H <sub>20</sub>	Nonane	269
		C <sub>10</sub> H <sub>12</sub>	1,2,3,4-Tetrahydronaphthalene	270
		C <sub>12</sub> H <sub>26</sub>	Dodecane	271
	Methyl Propionate	CH <sub>3</sub> NO <sub>2</sub>	Nitromethane	272
		C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Nitroethane	273
		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Butyl Propionate	274–275
	Propyl Formate	C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	1,1,2,2-Tetrachloro Ethane	276–277
		C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Formate	2
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	56
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	278
		C <sub>6</sub> H <sub>6</sub>	Benzene	279–284
		C <sub>7</sub> H <sub>16</sub>	Heptane	285
		C <sub>8</sub> H <sub>18</sub>	Octane	286
		C <sub>9</sub> H <sub>20</sub>	Nonane	287
C <sub>4</sub> H <sub>9</sub> Cl	Butyl Chloride	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	228–230
C <sub>4</sub> H <sub>9</sub> NO	N,N-Dimethylacetamide	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	396
C <sub>4</sub> H <sub>10</sub>	2-Methylpropane	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	tert-Butyl Acetate	428
C <sub>4</sub> H <sub>11</sub> N	Diethylamine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	231–232
C <sub>5</sub> H <sub>3</sub> F <sub>7</sub> O <sub>2</sub>	Methyl Perfluoro-butyrate	C <sub>6</sub> H <sub>6</sub>	Benzene	288–289
		C <sub>7</sub> F <sub>14</sub>	Perfluoromethylcyclohexane	290–292R
C <sub>5</sub> H <sub>5</sub> N	Pyridine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	233–236
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	350

		$C_6H_{12}O_2$	Butyl Acetate	397
$C_5H_8O_2$	Allyl Acetate	$C_8H_{12}O_4$	Diethyl Maleate	293
	Methyl Methacrylate	$C_2H_3N$	Acetonitrile	294
		$C_3H_3N$	Acrylonitrile	295
		$C_3H_6O_2$	Methyl Acetate	57
		$C_3H_7Br$	Propyl Bromide	296
		$C_5H_{10}$	Cyclopentane	297
		$C_6H_6$	Benzene	298
		$C_6H_{12}$	Cyclohexane	299–303R
		$C_6H_{14}$	Hexane	304–305
		$C_7H_8$	Toluene	306
		$C_7H_{16}$	Heptane	307
		$C_8H_{12}O_3$	Vinyloxyethyl Methacrylate	308
		$C_8H_{18}$	Octane	309
		$C_9H_{20}$	Nonane	310
	Vinyl Propionate	$C_8H_{10}O_2$	Vinyl Butyrate	311
$C_5H_{10}$	Cyclopentane	$C_5H_8O_2$	Methyl Methacrylate	297
		$C_5H_{10}O_2$	Isopropyl Acetate	332
	1-Pentene	$C_3H_6O_2$	Methyl Acetate	58–59
$C_5H_{10}O_2$	Butyl Formate	$Cl_4Sn$	Tin Tetrachloride	312–314
		$C_5H_{10}O_2$	Isobutyl Formate	315–316
		$C_7H_8$	Toluene	317
	Ethyl Propinate	$Cl_4Sn$	Tin Tetrachloride	319–320
		$C_2H_2Cl_4$	1,1,2,2-Tetrachloro Ethane	323–324
		$C_2H_5NO_2$	Nitroethane	325
		$C_3H_7Br$	Propyl Bromide	326–328

Ethyl Propionate	$\text{Cl}_4\text{Sn}$	Tin Tetrachloride	321–322	
	$\text{CH}_3\text{NO}_2$	Nitromethane	318	
	$\text{C}_4\text{H}_6\text{O}_2$	Vinyl Acetate	183	
Isobutyl Formate	$\text{C}_5\text{H}_{10}\text{O}_2$	Butyl Formate	315–316	
	$\text{C}_7\text{H}_8$	Toluene	329	
Isopropyl Acetate	$\text{CH}_3\text{NO}_2$	Nitromethane	330	
	$\text{C}_2\text{H}_5\text{NO}_2$	Nitroethane	331	
	$\text{C}_4\text{H}_6\text{O}_2$	Vinyl Acetate	184	
	$\text{C}_5\text{H}_{10}$	Cyclopentane	332	
	$\text{C}_6\text{H}_{12}$	Cyclohexane	333–334	
	$\text{C}_6\text{H}_{14}$	Hexane	335–337	
	$\text{C}_8\text{H}_{10}$	m-Xylene	338	
	$\text{C}_8\text{H}_{18}$	Octane	339–340	
	Methyl Butyrate	$\text{C}_3\text{H}_7\text{Br}$	Propyl Bromide	341
	Propyl Acetate	$\text{CH}_3\text{NO}_2$	Nitromethane	342
$\text{C}_2\text{H}_2\text{Cl}_4$		1,1,2,2-Tetrachloro Ethane	343–344	
$\text{C}_2\text{H}_4\text{O}_2$		Methyl Formate	3	
$\text{C}_2\text{H}_5\text{NO}_2$		Nitroethane	345	
$\text{C}_3\text{H}_6\text{O}_2$		Methyl Acetate	60	
$\text{C}_3\text{H}_7\text{Br}$		Propyl Bromide	346–349R	
$\text{C}_4\text{H}_6\text{O}_2$		Vinyl Acetate	185	
$\text{C}_4\text{H}_8\text{O}_2$		Propyl Formate	278	
$\text{C}_5\text{H}_5\text{N}$		Pyridine	350	
$\text{C}_6\text{H}_6$		Benzene	351–354	
$\text{C}_6\text{H}_{12}$		Cyclohexane	355, 357R	
$\text{C}_7\text{H}_{14}$		Methylcyclohexane	358–360R	

		C <sub>7</sub> H <sub>16</sub>	Heptane	361
		C <sub>8</sub> H <sub>10</sub>	m-Xylene	362
		C <sub>8</sub> H <sub>12</sub> O <sub>4</sub>	Diethyl Maleate	363
		C <sub>9</sub> H <sub>12</sub>	Isopropylbenzene	364–367
		C <sub>9</sub> H <sub>20</sub>	Nonane	368
C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	12–14
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	92–98R
		C <sub>6</sub> H <sub>6</sub>	Benzene	369
		C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Diethyloxalate	370–372
		C <sub>6</sub> H <sub>12</sub>	Cyclohexane	373–374
		C <sub>6</sub> H <sub>14</sub>	Hexane	375–376
		C <sub>7</sub> H <sub>16</sub>	Heptane	377
		C <sub>8</sub> H <sub>18</sub>	Octane	378–379
C <sub>5</sub> H <sub>11</sub> Cl	1-Chloropentane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	61
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	237
C <sub>5</sub> H <sub>12</sub>	Pentane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	62–64
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acrylate	173
		C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	Dinonyl Phthalate	507
C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	Propyl Acetate	C <sub>6</sub> H <sub>12</sub>	Cyclohexane	356
C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	15
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	99–100
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	238
C <sub>6</sub> H <sub>6</sub>	Benzene	C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	1,3-Dioxolan-2-One <ethylene Carbonate>	4
		C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	16–19
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	101–114R
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Gamma-Butyrolactone	167–169

			Methyl Acrylate	174
			Vinyl Acetate	186
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	239–241R
			Propyl Formate	279–284
		C <sub>5</sub> H <sub>3</sub> F <sub>7</sub> O <sub>2</sub>	Methyl Perfluorobutyrate	288–289
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	298
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	351–354
		C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	369
		C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	Epsilon - Caprolactane	380
			Epsilon -Caprolactane	381–382
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	398
		C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	485–489
		C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	Dinonyl Phthalate	508
C <sub>6</sub> H <sub>7</sub> N	Aniline	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	65
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	242–244
	2-Methylpyridine	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	245
C <sub>6</sub> H <sub>10</sub>	1-Hexyne	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	115–119
	2-Hexyne	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	120–122
	3-Hexyne	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	123–126
C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	Epsilon - Caprolactane	C <sub>6</sub> H <sub>6</sub>	Benzene	380
	Epsilon -Caprolactane	C <sub>6</sub> H <sub>6</sub>	Benzene	381–382
	Vinyl Butyrate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Vinyl Propionate	311
C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Acetaldehyde Diacetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	66
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	187–188
	Diethyl Oxalate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	20–22
		C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Methyl Salicylate	383–387

	Diethyloxalate	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	370–372	
C <sub>6</sub> H <sub>12</sub>	Cyclohexane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl Formate	23	
		C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	127–136	
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	246–250R	
		C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	299–303R	
		C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Isopropyl Acetate	333–334	
			Propyl Acetate	355, 357R	
		C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Diethyl Carbonate	373–374	
		C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>	Propyl Acetate	356	
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	399–400	
		C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	Dinonyl Phthalate	509	
		1-Hexene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	67
			C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	137–144
		C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	Cl <sub>4</sub> Sn	Tin Tetrachloride
	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>			1,2-Dichloroethane	392
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate			68	
C <sub>3</sub> H <sub>7</sub> NO	N,N-Dimethylformamide (DMF)			393–395R	
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate			189	
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate			251	
C <sub>4</sub> H <sub>9</sub> NO	N,N-Dimethylacetamide			396	
C <sub>5</sub> H <sub>5</sub> N	Pyridine			397	
C <sub>6</sub> H <sub>6</sub>	Benzene			398	
C <sub>6</sub> H <sub>12</sub>	Cyclohexane			399–400	
C <sub>6</sub> H <sub>14</sub>	Hexane			401	
C <sub>7</sub> H <sub>8</sub>	Toluene			402–403R	
C <sub>7</sub> H <sub>14</sub>	Methylcyclohexane			404–406R	

		$C_8H_{10}$	Ethylbenzene	407-409
			o-Xylene	410-411
		$C_8H_{14}$	1-Octyne	412-415
			3-Octyne	416-419
		$C_8H_{16}$	1-Octene	420-423
		$C_9H_6N_2O_2$	2,4-Toluene Diisocyanate	424
		$C_9H_{10}$	Alpha-Methyl Styrene	425-427
	tert-Butyl Acetate	$C_4H_{10}$	2-Methylpropane	428
	Ethyl Butyrate	$C_2H_2Cl_4$	1,1,2,2-Tetrachloro Ethane	429-430
	Isobutyl Acetate	$C_4H_6O_2$	Vinyl Acetate	190
		$C_7H_8$	Toluene	431
		$C_7H_{16}$	Heptane	432
		$C_8H_{16}$	1-Octene	433
	Propyl Propionate	$C_2H_2Cl_4$	1,1,2,2-Tetrachloro Ethane	434-435
		$C_7H_{16}$	Heptane	436-437
		$C_9H_{20}$	Nonane	438-439
$C_6H_{13}Cl$	1-Chlorohexane	$C_3H_6O_2$	Methyl Acetate	69
		$C_4H_8O_2$	Ethyl Acetate	252
$C_6H_{14}$	Hexane	$C_3H_6O_2$	Methyl Acetate	70-74
		$C_3H_6O_3$	Dimethyl Carbonate	145-146
		$C_4H_6O_2$	Methyl Acrylate	175
			Vinyl Acetate	191-195R
		$C_4H_8O_2$	Ethyl Acetate	253
		$C_5H_8O_2$	Methyl Methacrylate	304-305
		$C_5H_{10}O_2$	Isopropyl Acetate	335-337
		$C_5H_{10}O_3$	Diethyl Carbonate	375-376

		$C_6H_{12}O_2$	Butyl Acetate	401
		$C_{22}H_{44}O_2$	N-Butyl Octadecanoate	505–506
$C_7F_{14}$	Perfluoromethylcyclohexane	$C_5H_3F_7O_2$	Methyl Perfluorobutyrate	290–292R
$C_7H_8$	Toluene	$C_3H_4O_3$	1,3-Dioxolan-2-One <ethylene Carbonate>	5
		$C_3H_6O_2$	Ethyl Formate	24–26
			Methyl Acetate	75
		$C_4H_6O_2$	Vinyl Acetate	196
		$C_5H_8O_2$	Methyl Methacrylate	306
		$C_5H_{10}O_2$	Butyl Formate	317
			Isobutyl Formate	329
		$C_6H_{12}O_2$	Butyl Acetate	402–403R
			Isobutyl Acetate	431
		$C_8H_{16}O_2$	Isobutyl Isobutyrate	470
		$C_9H_{10}O_2$	Benzyl Acetate	471
		$C_{14}H_{12}O_2$	Benzyl Benzoate	497
$C_7H_{12}O_2$	sec-Butylacrylate	$C_8H_{16}$	1-Octene	440
$C_7H_{12}O_4$	Dimethyl Glutarate	$C_8H_{14}O_4$	Dimethyl Adipate	441
	Monomethyl Adipate	$C_8H_{14}O_4$	Dimethyl Adipate	442
	1,2-Propyleneglycol Diacetate	$C_3H_6Cl_2$	1,2-Dichloropropane	443–444
$C_7H_{14}$	Methylcyclohexane	$C_4H_8O_2$	Ethyl Acetate	254–256R
		$C_5H_{10}O_2$	Propyl Acetate	358–360R
		$C_6H_{12}O_2$	Butyl Acetate	404–406R
$C_7H_{14}O_2$	Butyl Propionate	$Cl_4Sn$	Tin Tetrachloride	445–448
		$C_4H_8O_2$	Methyl Propionate	274–275
	Isopentyl Acetate	$Cl_4Sn$	Tin Tetrachloride	449–452



		$C_3H_6O_3$	Dimethyl Carbonate	147
		$C_4H_8O_2$	Ethyl Acetate	257
	Pentyl Acetate	$C_4H_6O_2$	Vinyl Acetate	197
		$C_4H_8O_2$	Ethyl Acetate	258
		$C_8H_{10}$	o-Xylene	453–456
		$C_9H_{20}$	Nonane	457–459
	Propyl Butyrate	$C_2H_2Cl_4$	1,1,2,2-Tetrachloroethane	461–463R
		$C_7H_{16}$	Heptane	464–465
		$C_9H_{20}$	Nonane	466
$C_7H_{14}O_2$	Pentyl Acetate	$C_9H_{20}$	Nonane	460
$C_7H_{16}$	Heptane	$C_3H_6O_2$	Methyl Acetate	76
		$C_3H_6O_3$	Dimethyl Carbonate	148–156
		$C_4H_6O_2$	Methyl Acrylate	176
		$C_4H_8O_2$	Ethyl Acetate	259–264R
			Propyl Formate	285
		$C_5H_8O_2$	Methyl Methacrylate	307
		$C_5H_{10}O_2$	Propyl Acetate	361
		$C_5H_{10}O_3$	Diethyl Carbonate	377
		$C_6H_{12}O_2$	Isobutyl Acetate	432
			Propyl Propionate	436–437
		$C_7H_{14}O_2$	Propyl Butyrate	464–465
		$C_{12}H_{27}O_4P$	Tributyl Phosphate	490–496
		$C_{26}H_{42}O_4$	Dinonyl Phthalate	510
$C_8H_8O_3$	Methyl Salicylate	$C_6H_{10}O_4$	Diethyl Oxalate	383–387
$C_8H_{10}$	Ethylbenzene	$C_3H_6O_2$	Methyl Acetate	77
		$C_6H_{12}O_2$	Butyl Acetate	407–409

	m-Xylene	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Isopropyl Acetate	338	
			Propyl Acetate	362	
	o-Xylene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	78	
			C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	265
			C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	410–411
			C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Pentyl Acetate	453–456
	p-Xylene	C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	1,3-Dioxolan-2-One <ethylene Carbonate>	6	
C <sub>8</sub> H <sub>11</sub> N	N,N-Dimethylaniline	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	79	
C <sub>8</sub> H <sub>12</sub> O <sub>3</sub>	Vinyloxyethyl Methacrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Methacrylate	308	
C <sub>8</sub> H <sub>12</sub> O <sub>4</sub>	Diethyl Maleate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Propyl Acetate	363	
			C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Allyl Acetate	293
C <sub>8</sub> H <sub>14</sub>	1-Octyne	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	412–415	
			C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	416–419
C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>	Butyl Methacrylate	C <sub>8</sub> H <sub>16</sub> O <sub>3</sub>	2-Hydroxy-2-Methyl-Propionic Acid Butyl Ester	467–468	
C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>	Dimethyl Adipate	C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	Dimethyl Glutarate	441	
				Monomethyl Adipate	442
C <sub>8</sub> H <sub>16</sub>	1-Octene	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Butyl Acetate	420–423	
				Isobutyl Acetate	433
			C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	sec-Butylacrylate	440
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Hexyl Acetate	CCl <sub>4</sub>	Tetrachloromethane	469	
	Isobutyl Isobutyrate	C <sub>7</sub> H <sub>8</sub>	Toluene	470	
C <sub>8</sub> H <sub>16</sub> O <sub>3</sub>	2-Hydroxy-2-Methyl-Propionic Acid Butyl Ester	C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>	Butyl Methacrylate	467–468	
C <sub>8</sub> H <sub>18</sub>	Octane	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	Dimethyl Carbonate	157–158	
		C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acrylate	177	

		$C_4H_8O_2$	Ethyl Acetate	266–268
			Propyl Formate	286
		$C_5H_8O_2$	Methyl Methacrylate	309
		$C_5H_{10}O_2$	Isopropyl Acetate	339–340
		$C_5H_{10}O_3$	Diethyl Carbonate	378–379
		$C_{26}H_{42}O_4$	Dinonyl Phthalate	511
$C_9H_6N_2O_2$	2,4-Toluene Diisocyanate	$C_6H_{12}O_2$	Butyl Acetate	424
$C_9H_{10}$	Alpha-Methyl Styrene	$C_6H_{12}O_2$	Butyl Acetate	425–427
$C_9H_{10}O_2$	Benzyl Acetate	$C_7H_8$	Toluene	471
		$C_{14}H_{12}O_2$	Benzyl Benzoate	472–473
$C_9H_{12}$	Isopropylbenzene	$C_3H_6O_3$	Dimethyl Carbonate	159–162
		$C_5H_{10}O_2$	Propyl Acetate	364–367
$C_9H_{20}$	Nonane	$C_4H_6O_2$	Vinyl Acetate	198
		$C_4H_8O_2$	Ethyl Acetate	269
			Propyl Formate	287
		$C_5H_8O_2$	Methyl Methacrylate	310
		$C_5H_{10}O_2$	Propyl Acetate	368
		$C_6H_{12}O_2$	Propyl Propionate	438–439
		$C_7H_{14}O_2$	Pentyl Acetate	457–459
			Propyl Butyrate	466
		$C_7H_{14}O_2$	Pentyl Acetate	460
$C_{10}H_{12}$	1,2,3,4-Tetrahydronaphthalene	$C_4H_8O_2$	Ethyl Acetate	270
$C_{10}H_{16}$	Limonene	$C_{11}H_{18}O_2$	Isobornyl Formate	474
$C_{10}H_{22}$	Decane	$C_3H_6O_3$	Dimethyl Carbonate	163
		$C_4H_6O_2$	Methyl Acrylate	178

			Vinyl Acetate	199
C <sub>11</sub> H <sub>16</sub> O <sub>2</sub>	Isobornyl Formate	C <sub>10</sub> H <sub>16</sub>	Limonene	474
C <sub>12</sub> H <sub>26</sub>	Dodecane	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl Acetate	80
		C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl Acetate	271
C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	Tributyl Phosphate	CCl <sub>4</sub>	Tetrachloromethane	475–480
		CHCl <sub>3</sub>	Chloroform	481–484
		C <sub>6</sub> H <sub>6</sub>	Benzene	485–489
		C <sub>7</sub> H <sub>16</sub>	Heptane	490–496
C <sub>13</sub> H <sub>12</sub>	Diphenylmethane	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Gamma-Butyrolactone	170–172
C <sub>14</sub> H <sub>12</sub> O <sub>2</sub>	Benzyl Benzoate	C <sub>7</sub> H <sub>8</sub>	Toluene	497
		C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Benzyl Acetate	472–473
C <sub>15</sub> H <sub>26</sub> O <sub>6</sub>	Butanoic Acid-1,2,3-Propanetriyl Ester	C <sub>21</sub> H <sub>38</sub> O <sub>6</sub>	Hexanoic Acid 1,2,3-Propanetriyl Ester	498
		C <sub>27</sub> H <sub>50</sub> O <sub>6</sub>	Octanoic Acid,1,2,3-Propanetriyl Ester	499
C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Dibutyl Phthalate	C <sub>3</sub> H <sub>7</sub> NO	N,N-Dimethylformamide (DMF)	500
		C <sub>18</sub> H <sub>34</sub> O <sub>4</sub>	Dibutyl Sebacate	501
C <sub>17</sub> H <sub>34</sub> O <sub>2</sub>	Methyl Palmitate	C <sub>19</sub> H <sub>38</sub> O <sub>2</sub>	Methyl Stearate	502
C <sub>18</sub> H <sub>34</sub> O <sub>4</sub>	Dibutyl Sebacate	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Dibutyl Phthalate	501
C <sub>18</sub> H <sub>38</sub>	Octadecane	C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	Dinonyl Phthalate	512
C <sub>19</sub> H <sub>24</sub>	Bis (Isopropylphenyl) Methane	C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>	Ethyl Stearate	504
C <sub>19</sub> H <sub>36</sub> O <sub>2</sub>	Methyl Oleate	C <sub>19</sub> H <sub>38</sub> O <sub>2</sub>	Methyl Stearate	503
C <sub>19</sub> H <sub>38</sub> O <sub>2</sub>	Methyl Stearate	C <sub>17</sub> H <sub>34</sub> O <sub>2</sub>	Methyl Palmitate	502
		C <sub>19</sub> H <sub>36</sub> O <sub>2</sub>	Methyl Oleate	503
C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>	Ethyl Stearate	C <sub>19</sub> H <sub>24</sub>	Bis (Isopropylphenyl) Methane	504
C <sub>21</sub> H <sub>38</sub> O <sub>6</sub>	Hexanoic Acid 1,2,3-Propanetriyl Ester	C <sub>15</sub> H <sub>26</sub> O <sub>6</sub>	Butanoic Acid-1,2,3-Propanetriyl Ester	498

$C_{22}H_{44}O_2$	N-Butyl Octadecanoate $C_8H_{14}$	Hexane	505–506	
$C_{26}H_{42}O_4$	Dinonyl Phthalate	$C_5H_{12}$	Pentane	507
		$C_6H_6$	Benzene	508
		$C_6H_{12}$	Cyclohexane	509
		$C_7H_{16}$	Heptane	510
		$C_8H_{18}$	Octane	511
		$C_{18}H_{38}$	Octadecane	512
$C_{27}H_{50}O_6$	Octanoic Acid, 1,2,3-Propanetriyl Ester	$C_{15}H_{26}O_6$	Butanoic Acid-1,2,3-Propanetriyl Ester	499

Acetonitrile	C <sub>2</sub> H <sub>3</sub> N	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	521–522
Benzene	C <sub>6</sub> H <sub>6</sub>	Butyl Acetate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	548
		Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Tetrachloromethane	CCl <sub>4</sub>	519
		Tetrachloromethane	CCl <sub>4</sub>	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	539–544
		Toluene	C <sub>7</sub> H <sub>8</sub>	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	549–552
Butyl Acetate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Benzene	C <sub>6</sub> H <sub>6</sub>	548
Chlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Tetrachloromethane	CCl <sub>4</sub>	536–538
Cyclohexane	C <sub>6</sub> H <sub>12</sub>	Ethyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	517–518
		2-Methyl Pyrazine	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	545–546
Dibutyl Phthalate	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Hexane	C <sub>6</sub> H <sub>14</sub>	Methylcyclopentane	C <sub>6</sub> H <sub>12</sub>	558
Dichloromethane	CH <sub>2</sub> Cl <sub>2</sub>	Pentane	C <sub>5</sub> H <sub>12</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	520
Dimethylterephthalate	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Methyl Benzoate	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	p-Tolyl Acid Methylene	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	557
Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Benzene	C <sub>6</sub> H <sub>6</sub>	Butyl Acetate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	548
				Tetrachloromethane	CCl <sub>4</sub>	539–544
				Toluene	C <sub>7</sub> H <sub>8</sub>	549–552
		Cyclohexane	C <sub>6</sub> H <sub>12</sub>	2-Methyl Pyrazine	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	545–546
		Hexane	C <sub>6</sub> H <sub>14</sub>	2-Methyl Pyrazine	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	547
		Tetrachloromethane	CCl <sub>4</sub>	Chlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	536–538
		Ethyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	Cyclohexane
Hexane	C <sub>6</sub> H <sub>14</sub>	2-Methyl Pyrazine	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	547
		Methylcyclopentane	C <sub>6</sub> H <sub>12</sub>	Dibutyl Phthalate	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	558
Methyl Acetate	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	523
		Dichloromethane	CH <sub>2</sub> Cl <sub>2</sub>	Pentane	C <sub>5</sub> H <sub>12</sub>	520
		Propyl Acetate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Methyl Formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	514
		Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	Acetonitrile	C <sub>2</sub> H <sub>3</sub> N	521–522
				Methyl Methacrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	525–526

				Toluene	C <sub>7</sub> H <sub>8</sub>	527–528
		Propyl Formate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	513
				Propyl Acetate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	531
		Tetrachloromethane	CCl <sub>4</sub>	Benzene	C <sub>6</sub> H <sub>6</sub>	519
		Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	524
				Toluene	C <sub>7</sub> H <sub>8</sub>	529–530
Methyl Benzoate	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	p-Tolyl Acid Methylester	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Dimethylterephthalate	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	557
Methyl Formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Acetate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	514
				Propyl Formate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	513
		Propyl Formate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Propyl Acetate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	515–516
Methyl Methacrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	525–526
		Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	532–533
2-Methyl Pyrazine	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Cyclohexane	C <sub>6</sub> H <sub>12</sub>	545–546
				Hexane	C <sub>6</sub> H <sub>14</sub>	547
Methylcyclopentane	C <sub>6</sub> H <sub>12</sub>	Dibutyl Phthalate	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Hexane	C <sub>6</sub> H <sub>14</sub>	558
Nonane	C <sub>9</sub> H <sub>20</sub>	o-Xylene	C <sub>8</sub> H <sub>10</sub>	Pentyl Acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	553–556
Pentane	C <sub>5</sub> H <sub>12</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Dichloromethane	CH <sub>2</sub> Cl <sub>2</sub>	520
Pentyl Acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Nonane	C <sub>9</sub> H <sub>20</sub>	o-Xylene	C <sub>8</sub> H <sub>10</sub>	553–556
Propyl Acetate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Formate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	531
		Methyl Formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	514
				Propyl Formate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	515–516
Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	Acetonitrile	C <sub>2</sub> H <sub>3</sub> N	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	521–522
		Cyclohexane	C <sub>6</sub> H <sub>12</sub>	Ethyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	517–518
		Methyl Acetate	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	523
			C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	524
		Methyl Methacrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	525–526

				Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	532–533
		Toluene	C <sub>7</sub> H <sub>8</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	527–528
				Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	534–535
Propyl Formate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Methyl Formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	513
		Propyl Acetate	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	531
				Methyl Formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	515–516
Tetrachloromethane	CCl <sub>4</sub>	Benzene	C <sub>6</sub> H <sub>6</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	519
		Chlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	536–538
		Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Benzene	C <sub>6</sub> H <sub>6</sub>	539–544
Toluene	C <sub>7</sub> H <sub>8</sub>	Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Benzene	C <sub>6</sub> H <sub>6</sub>	549–552
		Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	527–528
				Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	529–530
		Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	534–535
p-Tolyl Acid Methylester	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Dimethylterephthalate	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Methyl Benzoate	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	557
Vinyl Acetate	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Propyl Bromide	C <sub>3</sub> H <sub>7</sub> Br	Methyl Acetate	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	523
					C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	524
				Methyl Methacrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	532–533
				Toluene	C <sub>7</sub> H <sub>8</sub>	534–535
		Toluene	C <sub>7</sub> H <sub>8</sub>	Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	529–530
o-Xylene	C <sub>8</sub> H <sub>10</sub>	Pentyl Acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Nonane	C <sub>9</sub> H <sub>20</sub>	553–556