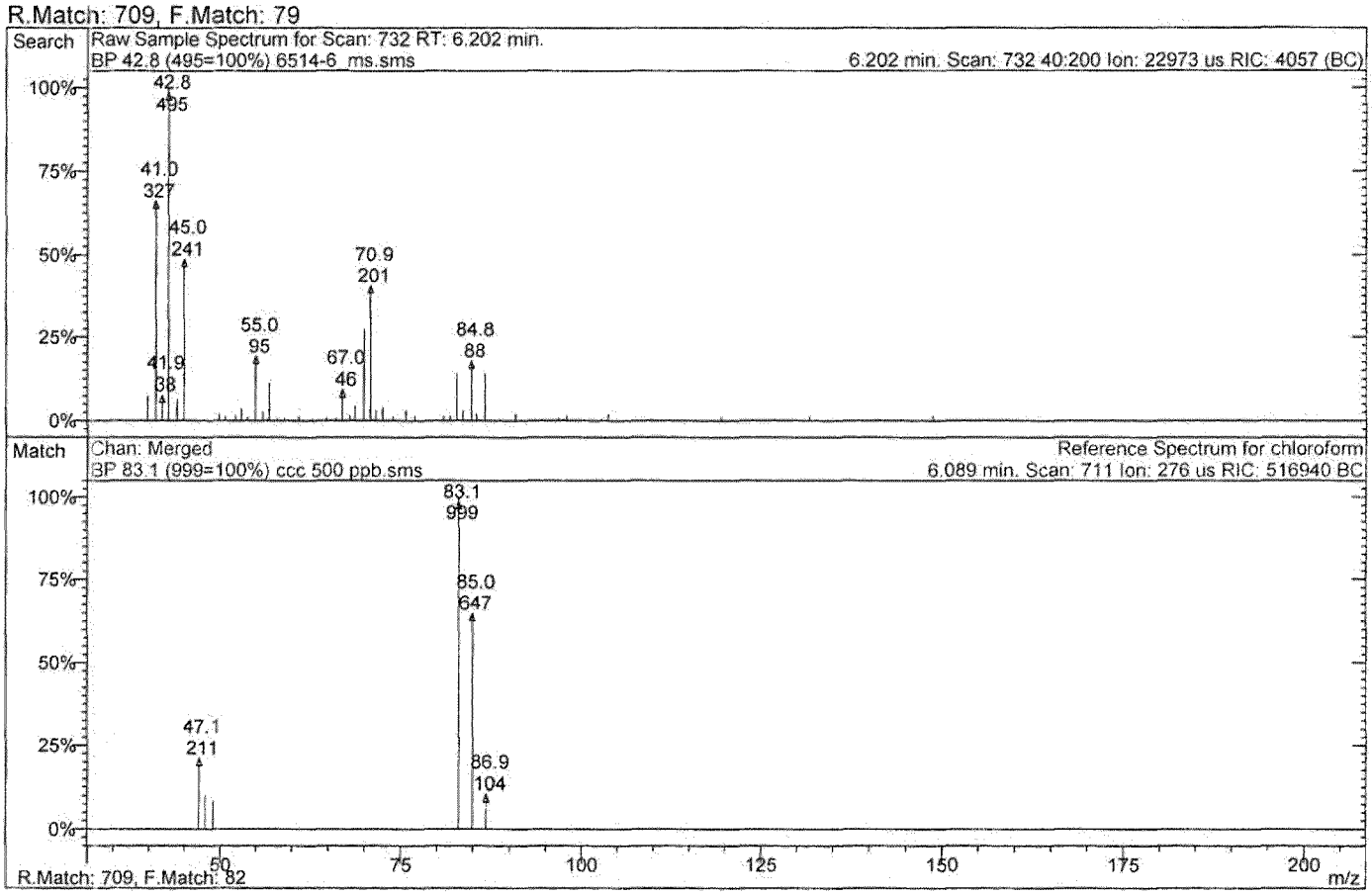
Print Date: 06 Jun 2012 16:54:07

JA

Scan 732 from ...cain data_6.5\jeremy\2012 data\april\042612\6514-6_ms.sms

Reference Spectrum for chloroform

R.Match: 709, F.Match: 79



1st Spectrum from ...6.5\jeremy\2012 data\april\042612\6514-6_ms.sms
Scan No: 732, Time: 6.202 minutes
No averaging. Background corrected (E).
Comment: 6.202 min. Scan: 732 40:200 Ion: 22973 us RIC: 4057 (BC)
Pair Count: 57 MW: 0 Formula: None
CAS No: None Acquired Range: 39.5 - 200.5 m/z

MDT: Centroid, Time: 0.00 - 24.50
Seg 1, FIL/MUL DELAY , Time: 0.00- 1.00, Filament Off
Chan 1, 40-650 m/z
Seg 2, data aquisition , Time: 1.00-24.50, EI-Auto-Full
Chan 1, 40-200 m/z
Product Mass Range: 39.5 - 200.5 m/z

Ion	Int	Norm	Ion	Int	Norm	Ion	Int	Norm
39.9	36	73	64.8	3	6	86.7	68	137
41.0	327	660	66.2	3	6	90.9	9	18
41.9	38	77	67.0	46	93	96.0	1	2
42.8	495	999	68.0	7	14	96.8	3	6
44.0	31	63	68.8	22	44	98.0	6	12
45.0	241	486	70.0	135	272	102.8	2	4
47.8	1	2	70.9	201	406	103.8	10	20
49.9	9	18	71.7	16	32	109.1	1	2
50.8	7	14	72.6	19	38	109.8	2	4
52.2	6	12	74.0	6	12	111.6	1	2
53.0	18	36	75.0	1	2	119.5	4	8
53.9	5	10	75.8	14	28	131.8	5	10
55.0	95	192	77.0	7	14	132.8	1	2
56.0	14	28	81.0	6	12	134.4	1	2
56.9	55	111	81.9	6	12	141.1	2	4
58.0	3	6	82.8	69	139	148.8	6	12

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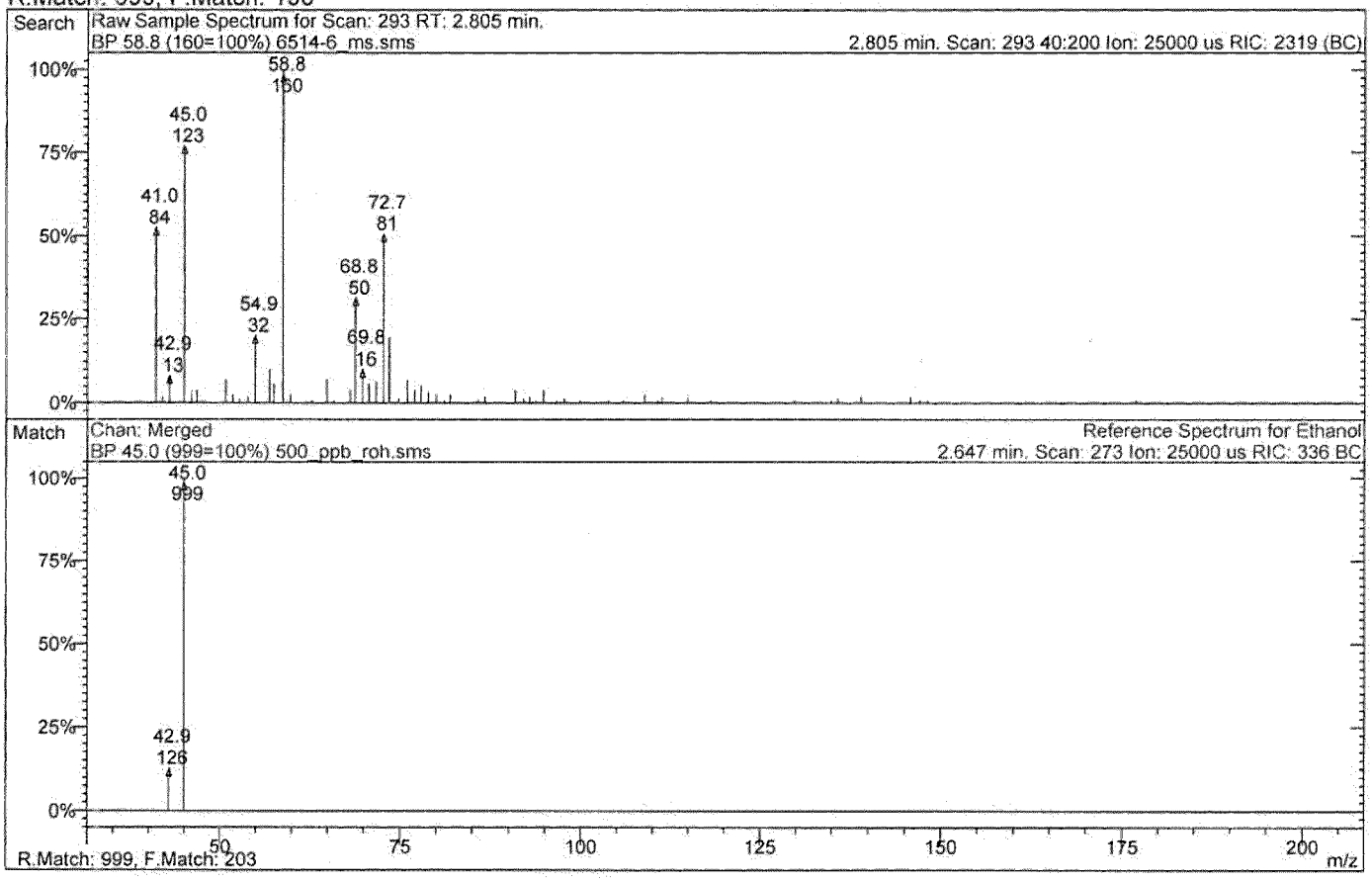
JA

Scan 293 from ...cain data_6.5\jeremy\2012 data\april\042612\6514-6_ms.sms

Reference Spectrum for Ethanol

R.Match: 999, F.Match: 190



1st Spectrum from ...6.5\jeremy\2012 data\april\042612\6514-6_ms.sms
Scan No: 293, Time: 2.805 minutes
No averaging. Background corrected (E).
Comment: 2.805 min. Scan: 293 40:200 Ion: 25000 us RIC: 2319 (BC)
Pair Count: 58 MW: 0 Formula: None
CAS No: None Acquired Range: 39.5 - 200.5 m/z

MDT: Centroid, Time: 0.00 - 24.50
Seg 1, FIL/MUL DELAY , Time: 0.00- 1.00, Filament Off
Chan 1, 40-650 m/z
Seg 2, data aquisition , Time: 1.00-24.50, EI-Auto-Full
Chan 1, 40-200 m/z
Product Mass Range: 39.5 - 200.5 m/z

Ion	Int	Norm	Ion	Int	Norm	Ion	Int	Norm
41.0	84	524	69.8	16	100	94.8	6	37
41.9	3	19	70.7	9	56	96.7	1	6
42.9	13	81	71.7	10	62	97.7	2	12
45.0	123	768	72.7	81	506	99.9	1	6
46.0	6	37	73.5	31	194	103.8	1	6
46.8	6	37	74.8	2	12	105.9	1	6
50.8	11	69	76.0	11	69	108.9	4	25
51.8	4	25	77.0	6	37	110.7	1	6
52.7	2	12	77.9	8	50	111.3	3	19
53.9	3	19	78.9	5	31	114.9	3	19
54.9	32	200	80.0	4	25	118.1	1	6
56.9	16	100	81.1	1	6	129.8	1	6
57.5	9	56	81.9	4	25	134.9	1	6
58.8	160	999	85.8	1	6	135.8	2	12
59.8	4	25	86.8	3	19	139.0	3	19
62.8	1	6	90.9	6	37	145.8	3	19

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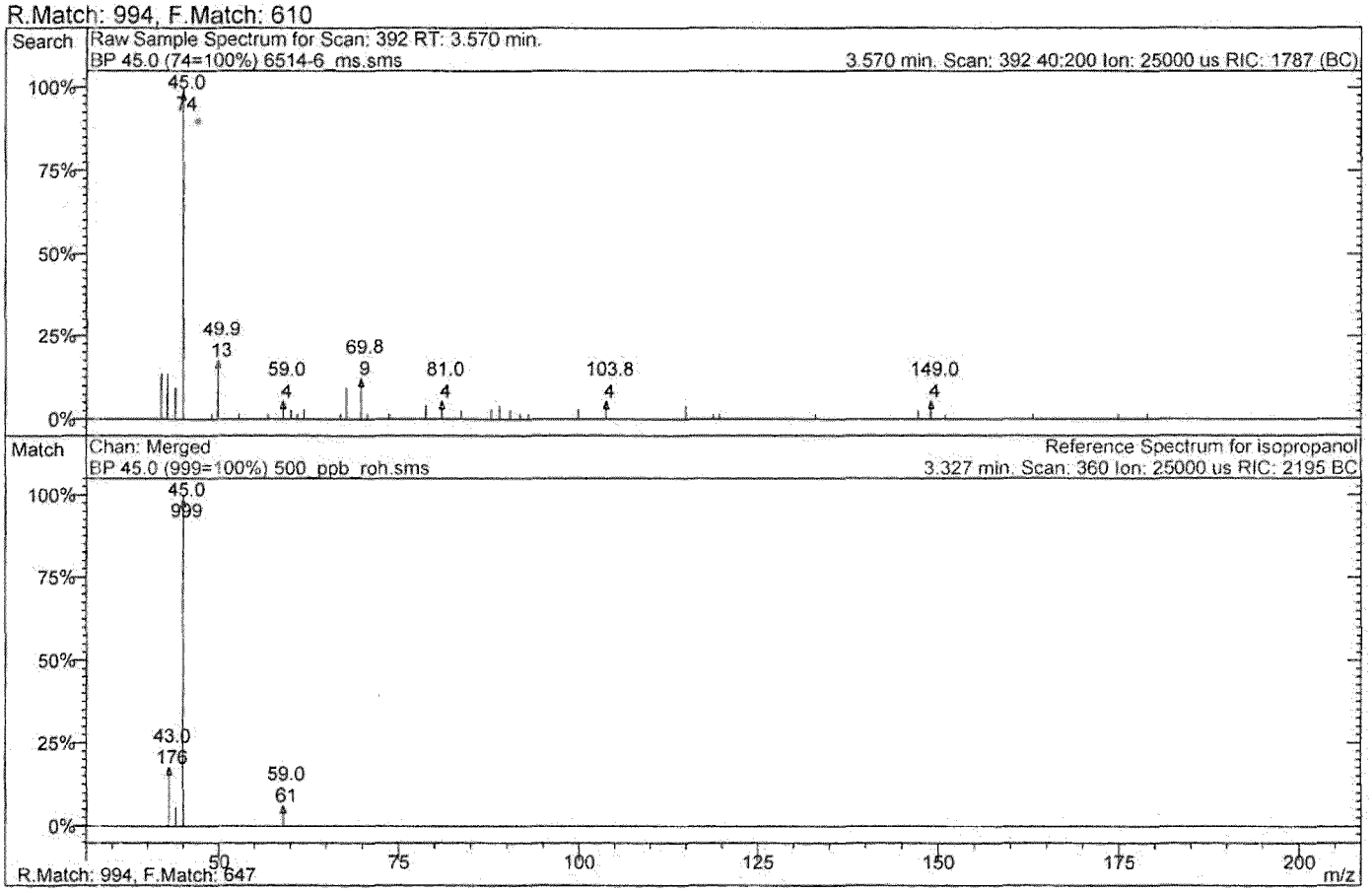
Scan 392 from ...cain data_6.5\jeremy\2012 data\april\042612\6514-6_ms.sms

Reference Spectrum for isopropanol

R.Match: 994, F.Match: 610



1st Spectrum from ...6.5\jeremy\2012 data\april\042612\6514-6_ms.sms
Scan No: 392, Time: 3.570 minutes
No averaging. Background corrected (E).
Comment: 3.570 min. Scan: 392 40:200 Ion: 25000 us RIC: 1787 (BC)
Pair Count: 37 MW: 0 Formula: None
CAS No: None Acquired Range: 39.5 - 200.5 m/z

MDT: Centroid, Time: 0.00 - 24.50
Seg 1, FIL/MUL DELAY , Time: 0.00- 1.00, Filament Off
Chan 1, 40-650 m/z
Seg 2, data aquisition , Time: 1.00-24.50, EI-Auto-Full
Chan 1, 40-200 m/z
Product Mass Range: 39.5 - 200.5 m/z

Ion	Int	Norm	Ion	Int	Norm	Ion	Int	Norm
41.9	10	135	67.8	7	95	99.9	2	27
42.8	10	135	69.8	9	122	103.8	4	54
43.9	7	95	70.7	1	14	115.0	3	41
45.0	74	999	73.7	1	14	118.8	1	14
49.1	1	14	78.8	3	41	119.7	1	14
49.9	13	176	81.0	4	54	133.0	1	14
52.9	1	14	83.7	2	27	147.2	2	27
56.9	1	14	87.9	2	27	149.0	4	54
59.0	4	54	88.9	3	41	151.0	1	14
60.1	2	27	90.4	2	27	163.1	1	14
61.0	1	14	91.8	1	14	174.9	1	14
61.9	2	27	93.0	1	14	178.9	1	14
67.0	1	14						

2nd Spectrum from ...ata_6.5\jeremy\2011 data\061311\500_ppb_roh.sms
Scan No: 360, Time: 3.327 minutes

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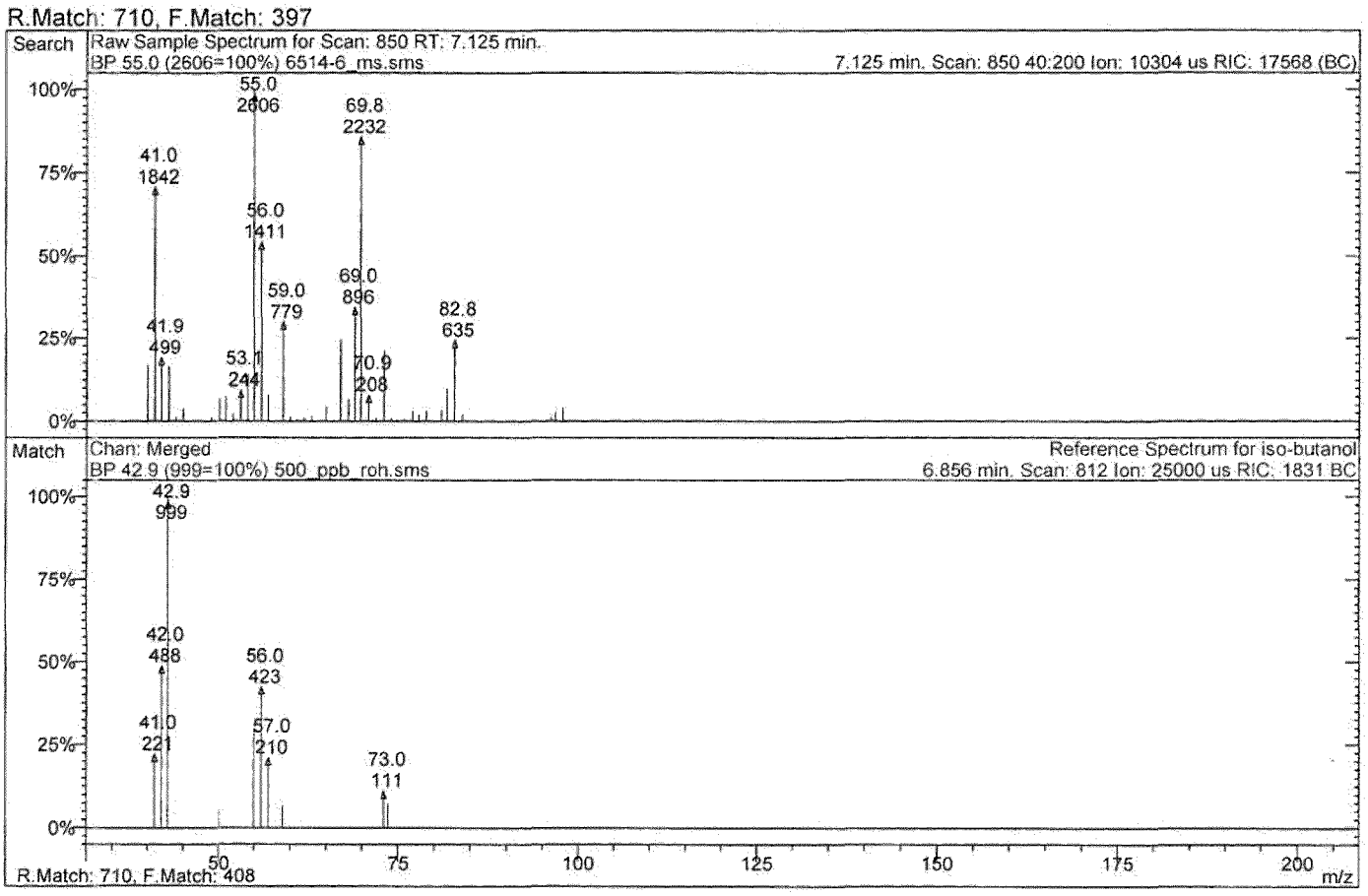
Scan 850 from ...cain data_6.5\jeremy\2012 data\april\042612\6514-6_~~ms~~ SA.sms

Reference Spectrum for iso-butanol

R.Match: 710, F.Match: 397



1st Spectrum from ...6.5\jeremy\2012 data\april\042612\6514-6_ms.sms
Scan No: 850, Time: 7.125 minutes
No averaging. Background corrected (E).
Comment: 7.125 min. Scan: 850 40:200 Ion: 10304 us RIC: 17568 (BC)
Pair Count: 56 MW: 0 Formula: None
CAS No: None Acquired Range: 39.5 - 200.5 m/z

MDT: Centroid, Time: 0.00 - 24.50
Seg 1, FIL/MUL DELAY , Time: 0.00- 1.00, Filament Off
Chan 1, 40-650 m/z
Seg 2, data aquisition , Time: 1.00-24.50, EI-Auto-Full
Chan 1, 40-200 m/z
Product Mass Range: 39.5 - 200.5 m/z

Ion	Int	Norm	Ion	Int	Norm	Ion	Int	Norm
40.0	434	166	60.0	34	13	80.2	7	3
41.0	1842	706	60.9	14	5	81.0	85	33
41.9	499	191	61.9	19	7	81.8	257	99
43.0	425	163	63.0	40	15	82.8	635	243
44.0	26	10	65.0	111	43	83.9	50	19
45.0	101	39	67.0	637	244	84.7	3	1
46.0	3	1	68.1	168	64	87.2	1	0
47.0	4	2	69.0	896	343	89.9	1	0
47.9	1	0	69.8	2232	856	91.1	4	2
49.0	35	13	70.9	208	80	94.3	3	1
50.1	168	64	71.9	23	9	95.6	5	2
51.0	194	74	73.0	549	210	96.2	25	10
52.0	57	22	74.0	26	10	96.8	67	26
53.1	244	94	74.8	9	3	97.8	104	40
54.1	362	139	75.8	8	3	98.5	4	2
55.0	2606	999	77.0	74	28	105.0	5	2

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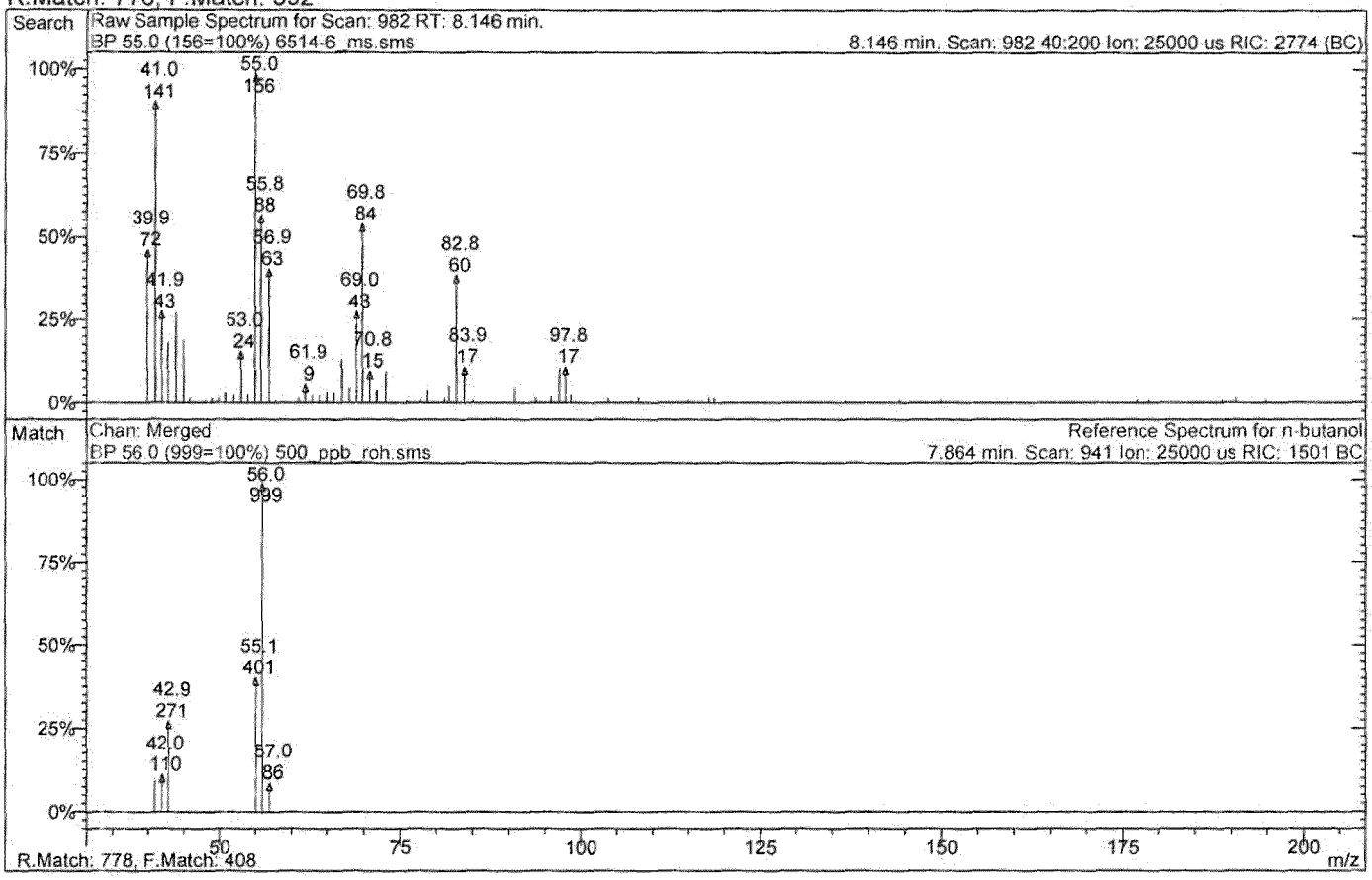
Scan 982 from ...cain data_6.5\jeremy\2012 data\april\042612\6514-6_ms.sms

Reference Spectrum for n-butanol

R.Match: 778, F.Match: 392



1st Spectrum from ...6.5\jeremy\2012 data\april\042612\6514-6_ms.sms
Scan No: 982, Time: 8.146 minutes
No averaging. Background corrected (E).
Comment: 8.146 min. Scan: 982 40:200 Ion: 25000 us RIC: 2774 (BC)
Pair Count: 59 MW: 0 Formula: None
CAS No: None Acquired Range: 39.5 - 200.5 m/z

MDT: Centroid, Time: 0.00 - 24.50
Seg 1, FIL/MUL DELAY , Time: 0.00- 1.00, Filament Off
Chan 1, 40-650 m/z
Seg 2, data aquisition , Time: 1.00-24.50, EI-Auto-Full
Chan 1, 40-200 m/z
Product Mass Range: 39.5 - 200.5 m/z

Ion	Int	Norm	Ion	Int	Norm	Ion	Int	Norm
39.9	72	461	62.9	4	26	93.7	2	13
41.0	141	903	63.9	4	26	95.9	3	19
41.9	43	275	65.0	5	32	97.0	16	102
42.8	28	179	65.9	5	32	97.8	17	109
43.9	42	269	67.0	20	128	98.6	4	26
45.0	29	186	68.0	7	45	103.8	2	13
45.9	2	13	69.0	43	275	107.1	1	6
48.0	1	6	69.8	84	538	108.0	2	13
49.0	2	13	70.8	15	96	115.0	1	6
49.9	2	13	71.8	6	38	117.8	2	13
50.8	5	32	73.0	15	96	118.6	2	13
52.0	4	26	75.9	1	6	136.8	1	6
53.0	24	154	77.9	2	13	144.2	1	6
53.9	4	26	78.8	6	38	149.9	1	6
55.0	156	999	81.2	2	13	176.9	1	6
55.8	88	564	81.8	8	51	178.6	1	6

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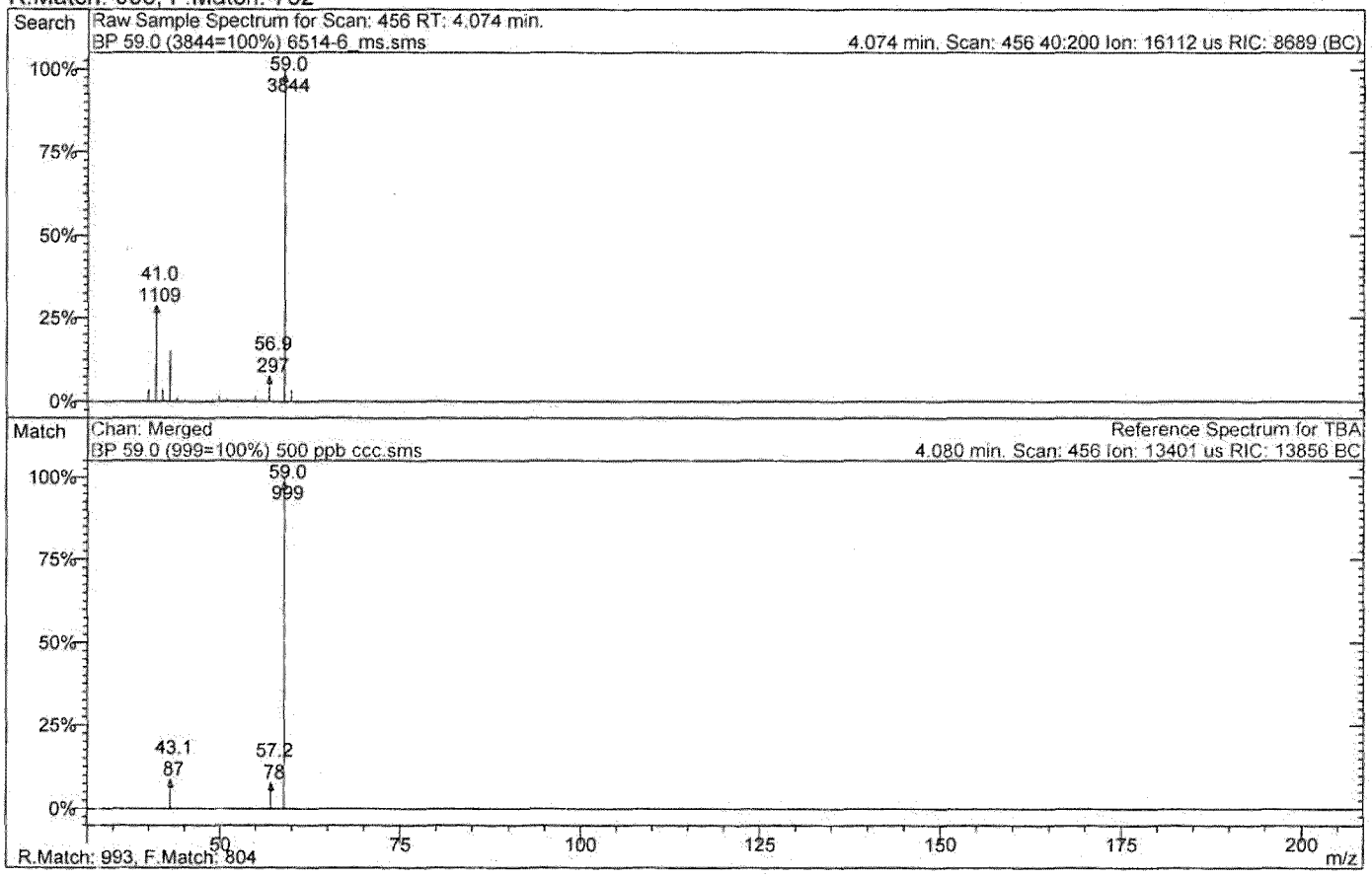
Scan 456 from ...cain data_6.5\jeremy\2012 data\april\042612\6514-6_ms.sms

JA

Reference Spectrum for TBA

R.Match: 993, F.Match: 752



1st Spectrum from ...6.5\jeremy\2012 data\april\042612\6514-6_ms.sms
Scan No: 456, Time: 4.074 minutes
No averaging. Background corrected (E).
Comment: 4.074 min. Scan: 456 40:200 Ion: 16112 us RIC: 8689 (BC)
Pair Count: 35 MW: 0 Formula: None
CAS No: None Acquired Range: 39.5 - 200.5 m/z

MDT: Centroid, Time: 0.00 - 24.50
Seg 1, FIL/MUL DELAY , Time: 0.00- 1.00, Filament Off
Chan 1, 40-650 m/z
Seg 2, data aquisition , Time: 1.00-24.50, EI-Auto-Full
Chan 1, 40-200 m/z
Product Mass Range: 39.5 - 200.5 m/z

Ion	Int	Norm	Ion	Int	Norm	Ion	Int	Norm
40.0	134	35	53.9	3	1	95.0	3	1
41.0	1109	288	55.0	52	14	95.6	4	1
41.9	142	37	56.9	297	77	96.9	1	0
43.0	587	153	59.0	3844	999	103.0	1	0
44.0	36	9	60.0	138	36	103.8	4	1
45.0	14	4	60.9	9	2	112.1	1	0
47.0	3	1	62.0	1	0	121.9	4	1
49.0	22	6	65.8	1	0	132.6	2	1
49.9	56	15	69.8	2	1	146.8	1	0
51.0	31	8	76.0	4	1	177.0	2	1
52.0	11	3	82.1	1	0	191.0	3	1
53.0	16	4	92.9	1	0			

2nd Spectrum from ...ata_6.5\jeremy\2011 data\031411\500 ppb ccc.sms
Scan No: 456, Time: 4.080 minutes
No averaging. Background corrected.

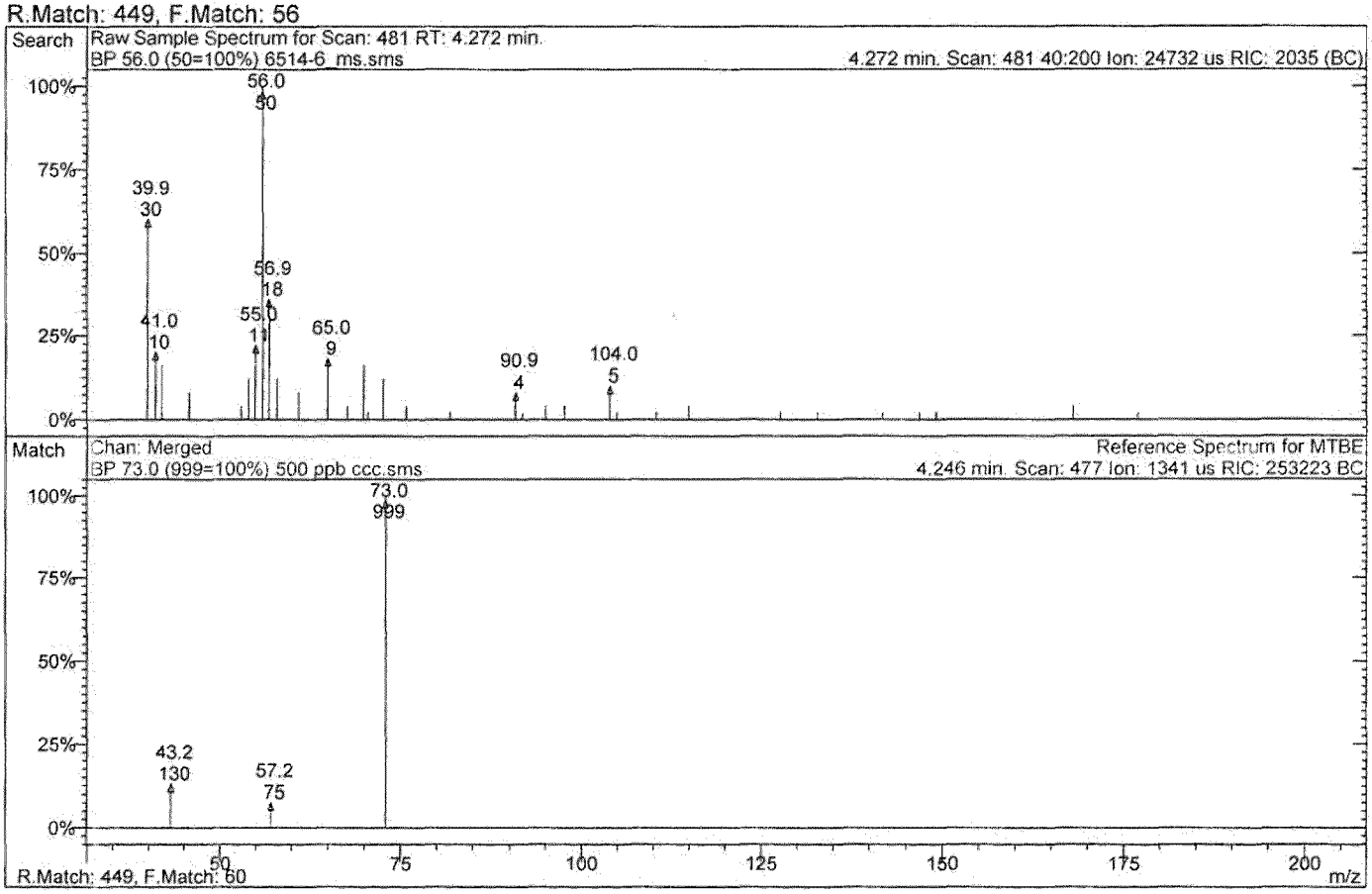
Print Date: 06 Jun 2012 16:47:25

JA

Scan 481 from ...cain data_6.5\jeremy\2012 data\april\042612\6514-6_ms.sms

Reference Spectrum for MTBE

R.Match: 449, F.Match: 56



1st Spectrum from ...6.5\jeremy\2012 data\april\042612\6514-6_ms.sms
Scan No: 481, Time: 4.272 minutes
No averaging. Background corrected (E).
Comment: 4.272 min. Scan: 481 40:200 Ion: 24732 us RIC: 2035 (BC)
Pair Count: 33 MW: 0 Formula: None
CAS No: None Acquired Range: 39.5 - 200.5 m/z

MDT: Centroid, Time: 0.00 - 24.50
Seg 1, FIL/MUL DELAY , Time: 0.00- 1.00, Filament Off
Chan 1, 40-650 m/z
Seg 2, data aquisition , Time: 1.00-24.50, EI-Auto-Full
Chan 1, 40-200 m/z
Product Mass Range: 39.5 - 200.5 m/z

Ion	Int	Norm	Ion	Int	Norm	Ion	Int	Norm
39.9	30	599	65.0	9	180	104.0	5	100
41.0	10	200	67.7	2	40	105.0	1	20
41.9	8	160	70.0	8	160	110.5	1	20
45.8	4	80	70.6	1	20	115.0	2	40
53.0	2	40	72.7	6	120	127.8	1	20
54.1	6	120	75.9	2	40	132.9	1	20
55.0	11	220	81.9	1	20	141.9	1	20
56.0	50	999	90.9	4	80	146.9	1	20
56.9	18	360	91.9	1	20	149.2	1	20
58.0	6	120	95.1	2	40	168.1	2	40
61.0	4	80	97.7	2	40	177.0	1	20

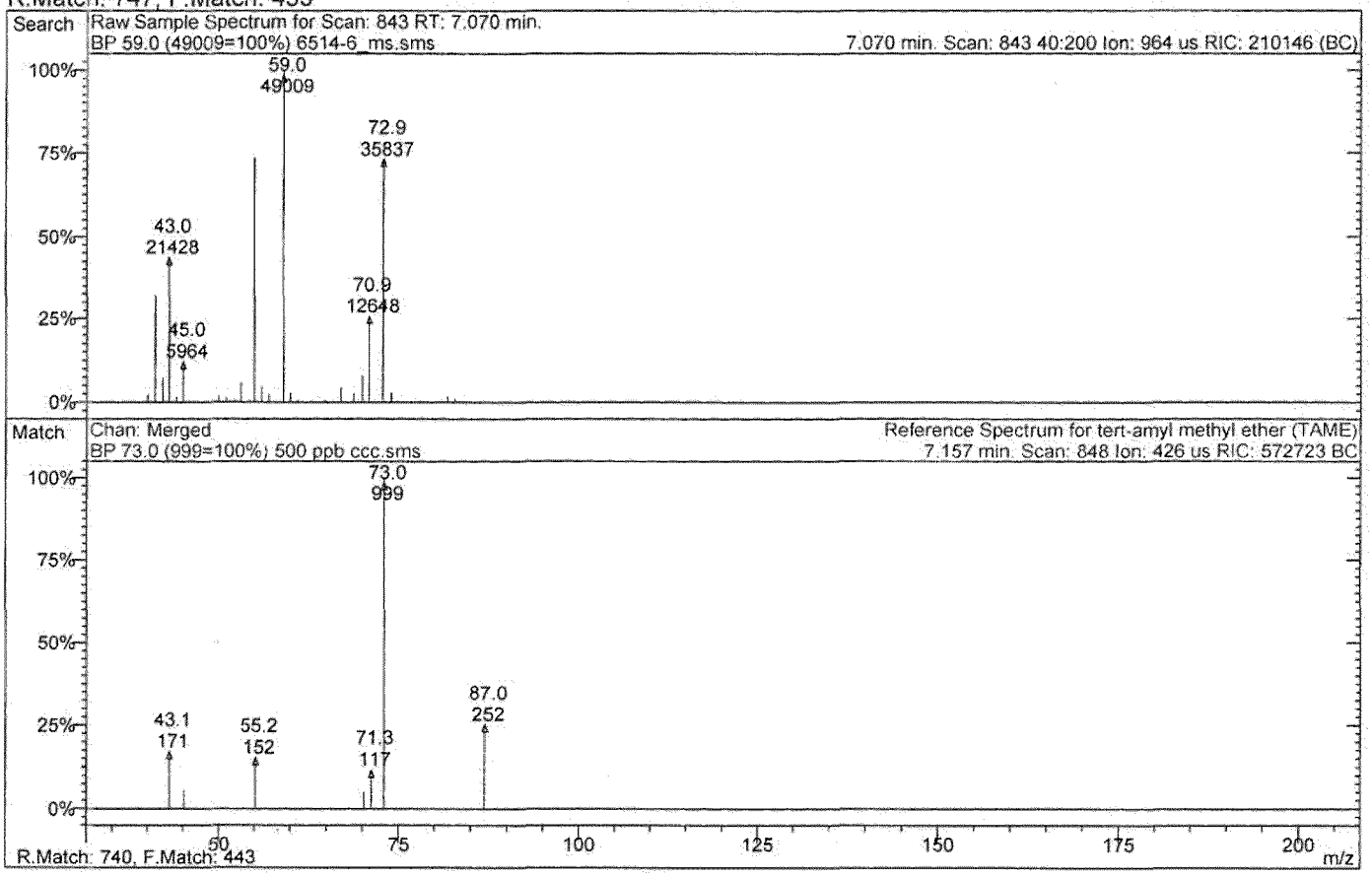
2nd Spectrum from ...ata_6.5\jeremy\2011 data\031411\500 ppb ccc.sms
Scan No: 477, Time: 4.246 minutes
No averaging. Background corrected.
Name: Reference Spectrum for MTBE

Print Date: 06 Jun 2012 16:48:03

Scan 843 from ...cain data_6.5\jeremy\2012 data\april\042612\6514-6_ms.sms

Reference Spectrum for tert-amyl methyl ether (TAM

R.Match: 747, F.Match: 453



1st Spectrum from ...6.5\jeremy\2012 data\april\042612\6514-6_ms.sms
Scan No: 843, Time: 7.070 minutes
No averaging. Background corrected (E).
Comment: 7.070 min. Scan: 843 40:200 Ion: 964 us RIC: 210146 (BC)
Pair Count: 50 MW: 0 Formula: None
CAS No: None Acquired Range: 39.5 - 200.5 m/z

MDT: Centroid, Time: 0.00 - 24.50
Seg 1, FIL/MUL DELAY , Time: 0.00- 1.00, Filament Off
Chan 1, 40-650 m/z
Seg 2, data aquisition , Time: 1.00-24.50, EI-Auto-Full
Chan 1, 40-200 m/z
Product Mass Range: 39.5 - 200.5 m/z

Ion	Int	Norm	Ion	Int	Norm	Ion	Int	Norm
40.0	1144	23	60.0	1343	27	78.9	46	1
41.0	15638	319	61.0	196	4	80.9	169	3
42.1	3518	72	61.8	132	3	81.8	788	16
43.0	21428	437	63.0	139	3	82.8	541	11
44.0	730	15	64.2	4	0	85.5	4	0
45.0	5964	122	64.8	273	6	87.0	27	1
46.1	41	1	66.0	80	2	87.9	22	0
48.0	36	1	67.0	2139	44	88.8	16	0
49.0	256	5	68.1	138	3	89.7	31	1
50.0	1043	21	68.8	1300	26	90.3	24	0
51.0	815	17	70.0	3915	80	95.5	7	0
52.2	242	5	70.9	12648	258	96.9	50	1
53.1	2828	58	72.9	35837	731	97.6	5	0
55.0	36000	734	74.0	1423	29	112.2	2	0
56.0	2242	46	74.9	149	3	114.5	4	0
57.0	1207	25	76.8	145	3	151.5	4	0