

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 09/25/05 Time Analyzed: 09:09
Lab Sample ID: BFB Lab File ID: C:\MSDCHEM\1\DATA\SEP25\CI0551.D
Instrument ID: HP09464 Mass BFB Injected: 25 ng

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance to:	
		m/e 95	specified mass
50	15.0 - 40.0% of m/e 95	23.7	23.7
75	30.0 - 60.0% of m/e 95	47.7	47.7
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	7.1	7.1
173	Less than 2.0% of m/e 174	0.0	0.0
174	50.0 - 100.0% of m/e 95	92.4	92.4
175	5.0 - 9.0% of m/e 174	7.6	8.2
176	95.0 - 101.0% of m/e 174	88.2	95.5
177	5.0 - 9.0% of m/e 176	6.0	6.8

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD025	VSTD025	C:\MSDCHEM\1\DATA\SEP25\CI0558.D	09/25/05	13:05
VSTD010	VSTD010	C:\MSDCHEM\1\DATA\SEP25\CI0559.D	09/25/05	13:43
VSTD005	VSTD005	C:\MSDCHEM\1\DATA\SEP25\CI0560.D	09/25/05	14:20
VSTD002	VSTD002	C:\MSDCHEM\1\DATA\SEP25\CI0561.D	09/25/05	14:58
VSTD001	VSTD001	C:\MSDCHEM\1\DATA\SEP25\CI0569.D	09/25/05	20:18
VBLKC03	VBLKC03	C:\MSDCHEM\1\DATA\SEP25\CI0570.D	09/25/05	21:04
LCSC03	LCSC03	C:\MSDCHEM\1\DATA\SEP25\CI0572.D	09/25/05	22:22
1STST	4600660	C:\MSDCHEM\1\DATA\SEP25\CI0578.D	09/26/05	03:51
1STLO	4600661	C:\MSDCHEM\1\DATA\SEP25\CI0579.D	09/26/05	04:28
1STLO	4600661	C:\MSDCHEM\1\DATA\SEP25\CI0580.D	09/26/05	05:06
BASMA	4600662	C:\MSDCHEM\1\DATA\SEP25\CI0581.D	09/26/05	05:44
BASMA	4600662	C:\MSDCHEM\1\DATA\SEP25\CI0582.D	09/26/05	06:21
BASEQ	4600663	C:\MSDCHEM\1\DATA\SEP25\CI0583.D	09/26/05	06:59
BASEQ	4600663	C:\MSDCHEM\1\DATA\SEP25\CI0584.D	09/26/05	07:37

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 09/26/05 Time Analyzed: 09:40
Lab Sample ID: BFB Lab File ID: C:\MSDCHEM\1\DATA\SEP26\CI060Y.D
Instrument ID: HP09464 Mass BFB Injected: 25 ng

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance to:	
		m/e 95	specified mass
50	15.0 - 40.0% of m/e 95	25.0	25.0
75	30.0 - 60.0% of m/e 95	49.5	49.5
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	6.6	6.6
173	Less than 2.0% of m/e 174	0.0	0.0
174	50.0 - 100.0% of m/e 95	104.5	104.5
175	5.0 - 9.0% of m/e 174	8.5	8.1
176	95.0 - 101.0% of m/e 174	101.9	97.5
177	5.0 - 9.0% of m/e 176	6.7	6.6

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD025	VSTD025	C:\MSDCHEM\1\DATA\SEP26\CI0601.D	09/26/05	10:52
VSTD010	VSTD010	C:\MSDCHEM\1\DATA\SEP26\CI0602.D	09/26/05	11:30
VSTD005	VSTD005	C:\MSDCHEM\1\DATA\SEP26\CI0603.D	09/26/05	12:08
VSTD002	VSTD002	C:\MSDCHEM\1\DATA\SEP26\CI0604.D	09/26/05	12:46
VSTD001	VSTD001	C:\MSDCHEM\1\DATA\SEP26\CI0605.D	09/26/05	13:58
VLK05	VLK05	C:\MSDCHEM\1\DATA\SEP26\CI0606.D	09/26/05	15:58
BASEQ	4600663	C:\MSDCHEM\1\DATA\SEP26\CI0610.D	09/26/05	19:44

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 09/28/05 Time Analyzed: 16:06
 Lab Sample ID: BFB Lab File ID: C:\MSDCHEM\1\DATA\SEP28\CI0673.D
 Instrument ID: HP09464 Mass BFB Injected: 25 ng

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance to:	
		m/e 95	specified mass
50	15.0 - 40.0% of m/e 95	27.3	27.3
75	30.0 - 60.0% of m/e 95	46.7	46.7
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	7.0	7.0
173	Less than 2.0% of m/e 174	1.1	1.7
174	50.0 - 100.0% of m/e 95	98.5	98.5
175	5.0 - 9.0% of m/e 174	7.5	8.4
176	95.0 - 101.0% of m/e 174	97.6	98.5
177	5.0 - 9.0% of m/e 176	6.8	7.6

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD010	VSTD010	C:\MSDCHEM\1\DATA\SEP28\CI0674.D	09/28/05	16:41
VBLKC07	VBLKC07	C:\MSDCHEM\1\DATA\SEP28\CI0676.D	09/28/05	18:22
SG13G	4604358	C:\MSDCHEM\1\DATA\SEP28\CI0692.D	09/29/05	04:28
SG15G	4604360	C:\MSDCHEM\1\DATA\SEP28\CI0696.D	09/29/05	06:59
LCSC07	LCSC07	C:\MSDCHEM\1\DATA\SEP28\CI0700.D	09/29/05	10:29
SG13G	4604358	C:\MSDCHEM\1\DATA\SEP28\CI0706.D	09/29/05	14:26
SG14G	4604359	C:\MSDCHEM\1\DATA\SEP28\CI0707.D	09/29/05	15:04
SG14G	4604359	C:\MSDCHEM\1\DATA\SEP28\CI0708.D	09/29/05	15:42

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

GC/MS INSTRUMENT PERFORMANCE CHECK AND MASS CALIBRATION

Sample No.: BFB Date Analyzed: 09/30/05 Time Analyzed: 08:36
Lab Sample ID: BFB Lab File ID: C:\MSDCHEM\1\DATA\SEP30\CI0750.D
Instrument ID: HP09464 Mass BFB Injected: 25 ng

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance to:	
		m/e 95	specified mass
50	15.0 - 40.0% of m/e 95	19.4	19.4
75	30.0 - 60.0% of m/e 95	47.6	47.6
95	Base peak, 100% relative abundance	100.0	100.0
96	5.0 - 9.0% of m/e 95	7.0	7.0
173	Less than 2.0% of m/e 174	0.0	0.0
174	50.0 - 100.0% of m/e 95	99.0	99.0
175	5.0 - 9.0% of m/e 174	8.6	8.7
176	95.0 - 101.0% of m/e 174	98.7	99.7
177	5.0 - 9.0% of m/e 176	6.4	6.4

THIS TUNE APPLIES TO THE FOLLOWING:

Sample No.	Lab Sample ID	Lab File ID	Analysis	
			Date	Time
VSTD025	VSTD025	C:\MSDCHEM\1\DATA\SEP30\CI0751.D	09/30/05	09:15
VSTD010	VSTD010	C:\MSDCHEM\1\DATA\SEP30\CI0753.D	09/30/05	10:30
VSTD005	VSTD005	C:\MSDCHEM\1\DATA\SEP30\CI0754.D	09/30/05	11:07
VSTD002	VSTD002	C:\MSDCHEM\1\DATA\SEP30\CI0755.D	09/30/05	11:45
VSTD001	VSTD001	C:\MSDCHEM\1\DATA\SEP30\CI0756.D	09/30/05	12:20
VBLKC09	VBLKC09	C:\MSDCHEM\1\DATA\SEP30\CI0758.D	09/30/05	16:43
SG16G	4604361	C:\MSDCHEM\1\DATA\SEP30\CI0761.D	09/30/05	18:36

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Sample No.: VSTD005 Date Analyzed: 09/25/05 Time Analyzed: 14:20
Lab Sample ID: VSTD005 Lab File ID: C:\MSDCHEM\1\DATA\SEP25\CI0560.D
Instrument ID: HP09464

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene d5	
	Area #	R.T. #	Area #	R.T. #	Area #	R.T. #
24 HOUR STANDARD	1173690	7.27	4638713	8.99	3641940	14.93
UPPER LIMIT	2347380	7.77	9277426	9.49	7283880	15.43
LOWER LIMIT	586845	6.77	2319356	8.49	1820970	14.43
EPA SAMPLE NO.						
VSTD025	1403086	7.32	4956634	9.06	4108613	15.00
VSTD010	1266521	7.28	5054286	9.01	3736493	14.95
VSTD002	1147575	7.27	4176370	8.98	3277061	14.93
VSTD001	726441	7.27	2843477	8.99	2876391	14.93
VBLKC03	733178	7.27	2627816	8.98	2908524	14.92
LCSC03	739515	7.28	2687016	9.00	3430977	14.96
1STST	838160	7.29	3041214	9.00	2796485	14.93
1STLO	833067	7.26	2892990	8.97	2191615	14.91
1STLO	922402	7.28	3273910	9.00	2410652	14.94
BASMA	735712	7.26	2600148	8.97	2999861	14.92
BASMA	903689	7.30	3159256	9.01	2406189	14.98
BASEQ	744715	7.27	2461388	8.98	2934352	14.93
BASEQ	801787	7.31	2706779	9.02	2922694	14.96

AREA: Upper Limit +100% of internal standard area.

Lower Limit -50% of internal standard area.

R.T.: Upper Limit +0.5 minutes of internal standard R.T.

Lower Limit -0.5 minutes of internal standard R.T.

All values outside of the QC limits are flagged with an * in the # column.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Sample No.: VSTD005 Date Analyzed: 09/26/05 Time Analyzed: 12:08
Lab Sample ID: VSTD005 Lab File ID: C:\MSDCHEM\1\DATA\SEP26\CI0603.D
Instrument ID: HP09464

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene d5	
	Area #	R.T. #	Area #	R.T. #	Area #	R.T. #
24 HOUR STANDARD	1023590	7.28	3423040	9.00	3183322	14.95
UPPER LIMIT	2047180	7.78	6846080	9.50	6366644	15.45
LOWER LIMIT	511795	6.78	1711520	8.50	1591661	14.45
EPA SAMPLE NO.						
VSTD025	979253	7.34	3313302	9.09	3780464	15.02
VSTD010	1157628	7.30	3737219	9.03	4025948	14.98
VSTD002	804323	7.26	2897106	8.97	2221729	14.91
VSTD001	693833	7.27	2447976	8.99	2771470	14.93
VBLKC05	676059	7.27	2454594	8.98	2792051	14.93
BASEQ	552263	7.27	2095655	8.98	2697452	14.93

AREA: Upper Limit +100% of internal standard area.
Lower Limit -50% of internal standard area.
R.T.: Upper Limit +0.5 minutes of internal standard R.T.
Lower Limit -0.5 minutes of internal standard R.T.

All values outside of the QC limits are flagged with an * in the # column.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Sample No.: VSTD010 Date Analyzed: 09/28/05 Time Analyzed: 16:41
Lab Sample ID: VSTD010 Lab File ID: C:\MSDCHEM\1\DATA\SEP28\CI0674.D
Instrument ID: HP09464

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene d5	
	Area #	R.T. #	Area #	R.T. #	Area #	R.T. #
24 HOUR STANDARD	1861220	7.36	5733535	9.12	5327876	15.02
UPPER LIMIT	3722440	7.86	11467070	9.62	10655752	15.52
LOWER LIMIT	930610	6.86	2866768	8.62	2663938	14.52
EPA SAMPLE NO.						
VBLKC07	1017432	7.28	3353862	8.99	3712743	14.94
SG13G	1472690	7.30	5111057	9.04	3444739	15.01
SG15G	2500567	7.26	8657586	8.97	6213099	14.91
LCSC07	2188159	7.28	8326239	9.00	8832107	14.96
SG13G	1944130	7.27	6108628	8.99	6117087	14.94
SG14G	1891053	7.26	6264941	8.97	5854200	14.92
SG14G	1866413	7.27	5770011	8.99	5780893	14.95

AREA: Upper Limit +100% of internal standard area.

Lower Limit -50% of internal standard area.

R.T.: Upper Limit +0.5 minutes of internal standard R.T.

Lower Limit -0.5 minutes of internal standard R.T.

All values outside of the QC limits are flagged with an * in the # column.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Sample No.: VSTD005 Date Analyzed: 09/30/05 Time Analyzed: 11:07
Lab Sample ID: VSTD005 Lab File ID: C:\MSDCHEM\1\DATA\SEP30\CI0754.D
Instrument ID: HP09464

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene d5	
	Area #	R.T. #	Area #	R.T. #	Area #	R.T. #
24 HOUR STANDARD	963769	7.20	3302670	8.92	3844384	14.85
UPPER LIMIT	1927538	7.70	6605340	9.42	7688768	15.35
LOWER LIMIT	481884	6.70	1651335	8.42	1922192	14.35
EPA SAMPLE NO.						
VSTD025	1182561	7.29	3510329	9.03	4061491	14.93
VSTD010	1111891	7.23	3667524	8.95	4142487	14.87
VSTD002	798654	7.19	2901006	8.89	3333606	14.81
VSTD001	752907	7.19	2872455	8.88	2847079	14.82
VBLKC09	787574	7.19	2813817	8.88	2979650	14.81
SG16G	686143	7.20	2545836	8.89	2778149	14.82

AREA: Upper Limit +100% of internal standard area.
Lower Limit -50% of internal standard area.
R.T.: Upper Limit +0.5 minutes of internal standard R.T.
Lower Limit -0.5 minutes of internal standard R.T.

All values outside of the QC limits are flagged with an * in the # column.

Sample Data

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

MINIMUM DETECTION LIMIT STUDY

Instrument ID: HP09464

Data File Path: C:\MSDCHEM\1\DATA\APR25

\CD0354.D 04/25/05 11:42	\CD0356.D 04/25/05 16:15	\CD0357.D 04/25/05 16:51	\CD0358.D 04/25/05 17:27	\CD0359.D 04/25/05 18:03	\CD0360.D 04/25/05 18:39	\CD0361.D 04/25/05 19:15			
COMPOUND NAME		MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	MDL
Propene		0.310	0.260	0.270	0.250	0.250	0.190	0.230	0.115
Dichlorodifluoromethane		0.360	0.280	0.330	0.320	0.320	0.230	0.270	0.138
Chlorodifluoromethane		0.330	0.300	0.310	0.280	0.310	0.220	0.230	0.133
Freon 114		0.330	0.260	0.300	0.290	0.280	0.220	0.220	0.129
Chloromethane		0.310	0.230	0.300	0.250	0.260	0.170	0.220	0.151
Vinyl Chloride		0.300	0.240	0.250	0.230	0.240	0.180	0.190	0.125
1,3-Butadiene		0.230	0.190	0.230	0.220	0.220	0.170	0.180	0.079
Bromomethane		0.280	0.250	0.260	0.210	0.230	0.180	0.210	0.108
Chloroethane		0.240	0.220	0.240	0.150	0.240	0.160	0.150	0.139
Dichlorofluoromethane		0.320	0.260	0.300	0.300	0.290	0.230	0.230	0.113
Trichlorofluoromethane		0.380	0.290	0.330	0.340	0.340	0.240	0.260	0.157
Pentane		0.240	0.210	0.280	0.240	0.260	0.190	0.210	0.099
Acrolein		0.460	0.480	0.560	0.360	0.500	0.530	0.400	0.222
1,1-Dichloroethene		0.310	0.230	0.270	0.270	0.270	0.200	0.250	0.110
Freon 113		0.280	0.200	0.290	0.260	0.260	0.210	0.230	0.108
Acetone		0.490	0.310	0.320	0.290	0.300	0.200	0.230	0.291
Methyl Iodide		0.270	0.220	0.250	0.250	0.250	0.190	0.200	0.094
Carbon Disulfide		0.300	0.290	0.300	0.280	0.280	0.210	0.250	0.102
Acetonitrile		0.290	0.180	0.200	0.200	0.190	0.130	0.140	0.164
3-Chloropropene		0.160	0.140	0.190	0.120	0.190	0.150	0.120	0.092
Methylene Chloride		0.400	0.350	0.330	0.330	0.320	0.310	0.300	0.104
tert-Butyl Alcohol		0.190	0.070	0.050	0.020	0.080	0.030	0.040	0.181
Acrylonitrile		0.200	0.150	0.210	0.190	0.200	0.150	0.160	0.081
trans-1,2-Dichloroethene		0.320	0.250	0.280	0.250	0.280	0.190	0.190	0.151
Methyl t-Butyl Ether		0.250	0.190	0.220	0.220	0.240	0.140	0.190	0.117
Hexane		0.280	0.200	0.250	0.260	0.260	0.170	0.220	0.123
1,1-Dichloroethane		0.270	0.230	0.270	0.250	0.260	0.180	0.230	0.100
Vinyl Acetate		0.190	0.150	0.190	0.200	0.170	0.140	0.150	0.075
cis-1,2-Dichloroethene		0.270	0.190	0.250	0.240	0.250	0.170	0.190	0.121
2-Butanone		0.650	0.520	0.700	0.360	0.600	0.560	0.440	0.372
Ethyl Acetate		0.540	0.410	0.480	0.320	0.410	0.400	0.380	0.189
Methyl Acrylate		0.190	0.180	0.200	0.190	0.210	0.140	0.160	0.076
Chloroform		0.330	0.240	0.320	0.290	0.290	0.220	0.230	0.139
1,1,1-Trichloroethane		0.330	0.270	0.320	0.320	0.300	0.220	0.250	0.130
Carbon Tetrachloride		0.320	0.260	0.310	0.300	0.290	0.220	0.220	0.131
1,2-Dichloroethane		0.350	0.280	0.350	0.330	0.350	0.230	0.240	0.168
Benzene		0.290	0.240	0.270	0.260	0.260	0.190	0.200	0.116
Isooctane		0.300	0.210	0.250	0.250	0.240	0.180	0.190	0.130
Heptane		0.230	0.190	0.260	0.240	0.240	0.140	0.211	0.042
Trichloroethene		0.290	0.190	0.280	0.250	0.250	0.180	0.190	0.144
Ethyl Acrylate		0.220	0.170	0.210	0.220	0.240	0.130	0.150	0.130

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR

MINIMUM DETECTION LIMIT STUDY

Instrument ID: HP09464

Data File Path: C:\MSDCHEM\1\DATA\APR25

\CD0354.D 04/25/05 11:42	\CD0356.D 04/25/05 16:15	\CD0357.D 04/25/05 16:51	\CD0358.D 04/25/05 17:27	\CD0359.D 04/25/05 18:03	\CD0360.D 04/25/05 18:39	\CD0361.D 04/25/05 19:15				
COMPOUND NAME			MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	MDL
1,2-Dichloropropane			0.310	0.210	0.300	0.280	0.300	0.210	0.220	0.145
Methyl Methacrylate			0.170	0.160	0.190	0.150	0.210	0.120	0.140	0.096
Dibromomethane			0.250	0.240	0.270	0.250	0.260	0.180	0.190	0.110
1,4-Dioxane			1.290	1.210	1.260	1.080	1.290	1.390	1.210	0.062
Bromodichloromethane			0.360	0.310	0.370	0.350	0.330	0.250	0.270	0.144
cis-1,3-Dichloropropene			0.200	0.150	0.190	0.190	0.180	0.130	0.130	0.094
4-Methyl-2-Pentanone			0.290	0.230	0.270	0.300	0.280	0.180	0.210	0.142
Toluene			0.350	0.210	0.250	0.230	0.250	0.180	0.190	0.178
Octane			0.190	0.160	0.210	0.190	0.210	0.140	0.170	0.082
trans-1,3-Dichloropropene			0.140	0.160	0.200	0.130	0.170	0.130	0.160	0.160
Ethyl Methacrylate			0.160	0.160	0.200	0.210	0.200	0.150	0.150	0.083
1,1,2-Trichloroethane			0.270	0.210	0.260	0.240	0.270	0.190	0.230	0.097
Tetrachloroethene			0.250	0.210	0.270	0.230	0.250	0.180	0.210	0.097
2-Hexanone			0.250	0.240	0.310	0.260	0.280	0.190	0.240	0.117
Dibromochloromethane			0.280	0.240	0.300	0.310	0.320	0.200	0.220	0.148
1,2-Dibromoethane			0.250	0.210	0.270	0.270	0.260	0.180	0.180	0.128
Chlorobenzene			0.270	0.240	0.290	0.280	0.260	0.210	0.210	0.102
1,1,1,2-Tetrachloroethane			0.270	0.220	0.300	0.290	0.260	0.200	0.190	0.138
Ethylbenzene			0.320	0.230	0.280	0.270	0.250	0.190	0.200	0.145
m/p-Xylene			0.510	0.460	0.550	0.510	0.530	0.380	0.390	0.166
o-Xylene			0.260	0.190	0.240	0.240	0.240	0.160	0.160	0.132
Styrene			0.170	0.150	0.210	0.210	0.190	0.140	0.140	0.097
Bromoform			0.270	0.260	0.300	0.320	0.320	0.210	0.230	0.135
Cumene			0.200	0.190	0.250	0.240	0.230	0.160	0.180	0.105
1,1,2,2-Tetrachloroethane			0.330	0.310	0.390	0.370	0.380	0.250	0.290	0.163
1,2,3-Trichloropropane			0.280	0.270	0.340	0.330	0.350	0.180	0.300	0.183
Bromobenzene			0.230	0.250	0.310	0.280	0.310	0.200	0.220	0.138
4-Ethyltoluene			0.230	0.170	0.240	0.210	0.230	0.150	0.170	0.113
1,3,5-Trimethylbenzene			0.260	0.220	0.290	0.260	0.260	0.180	0.210	0.119
Alpha Methyl Styrene			0.170	0.180	0.260	0.240	0.230	0.180	0.170	0.172
1,2,4-Trimethylbenzene			0.230	0.190	0.250	0.210	0.230	0.150	0.170	0.113
1,3-Dichlorobenzene			0.170	0.210	0.270	0.270	0.260	0.170	0.200	0.141
1,4-Dichlorobenzene			0.380	0.260	0.280	0.260	0.260	0.160	0.190	0.221
Benzyl chloride			0.260	0.190	0.240	0.240	0.240	0.160	0.160	0.132
1,2-Dichlorobenzene			0.150	0.200	0.260	0.240	0.270	0.170	0.190	0.145
Hexachloroethane			0.250	0.260	0.390	0.380	0.380	0.270	0.280	0.201
1,2,4-Trichlorobenzene			0.080	0.150	0.140	0.160	0.190	0.130	0.140	0.105
Hexachlorobutadiene			0.120	0.160	0.270	0.300	0.310	0.230	0.280	0.229

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

Sample No.: 1STST Date Collected: 09/09/05 Date Received: 09/12/05
Lab Sample ID: 4600660 Date Analyzed: 09/26/05 Time Analyzed: 03:51
Canister ID: SUMMA0052 Pressure Rec'd: 14.9 psia Final Pressure: 29.8 psia
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP09467 ¹⁹⁶ ₁₀₋₁₄₋₀₅ Lab File ID: C:\MSDCHEM\1\DATA\SEP25\CI0578.D

CAS RN	COMPOUND NAME	CONCENTRATION	UNITS: MDL ug/m3	Q
75-71-8	Dichlorodifluoromethane	5		
76-14-2	Freon 114	1		U
74-87-3	Chloromethane	3		
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.8		U
75-00-3	Chloroethane	0.5		U
75-69-4	Trichlorofluoromethane	2		J
75-35-4	1,1-Dichloroethene	0.8		U
76-13-1	Freon 113	4		U
107-05-1	3-Chloropropene	2		U
75-09-2	Methylene Chloride	3		J
75-34-3	1,1-Dichloroethane	0.8		U
156-59-2	cis-1,2-Dichloroethene	7		
67-66-3	Chloroform	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
107-06-2	1,2-Dichloroethane	8		
71-43-2	Benzene	3		
79-01-6	Trichloroethene	2		J
78-87-5	1,2-Dichloropropane	0.9		U
10061-01-5	cis-1,3-Dichloropropene	0.9		U
108-88-3	Toluene	66		
10061-02-6	trans-1,3-Dichloropropene	0.9		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	90		
106-93-4	1,2-Dibromoethane	2		U
108-90-7	Chlorobenzene	0.9		U
100-41-4	Ethylbenzene	12		
1330-20-7	m/p-Xylene	28		
95-47-6	o-Xylene	9		
100-42-5	Styrene	7		
79-34-5	1,1,2,2-Tetrachloroethane	1		U
622-96-8	4-Ethyltoluene	5		J
108-67-8	1,3,5-Trimethylbenzene	2		J

U = Compound was undetected at the specified limit of quantitation.

B = Compound was found in method blank. D = analysis of diluted sample.

J = Compound was detected, but below the limit of quantitation.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

Sample No.: 1STST Date Collected: 09/09/05 Date Received: 09/12/05
Lab Sample ID: 4600660 Date Analyzed: 09/26/05 Time Analyzed: 03:51
Canister ID: SUMMA0052 Pressure Rec'd: 14.9 psia Final Pressure: 29.8 psia
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP09464 ¹⁰⁻¹⁴⁻⁰⁵ Lab File ID: C:\MSDCHEM\1\DATA\SEP25\CI0578.D

CAS RN	COMPOUND NAME	CONCENTRATION	UNITS: MDL ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene	8		
541-73-1	1,3-Dichlorobenzene	3		U
106-46-7	1,4-Dichlorobenzene	3		U
95-50-1	1,2-Dichlorobenzene	3		U
120-82-1	1,2,4-Trichlorobenzene	7		U

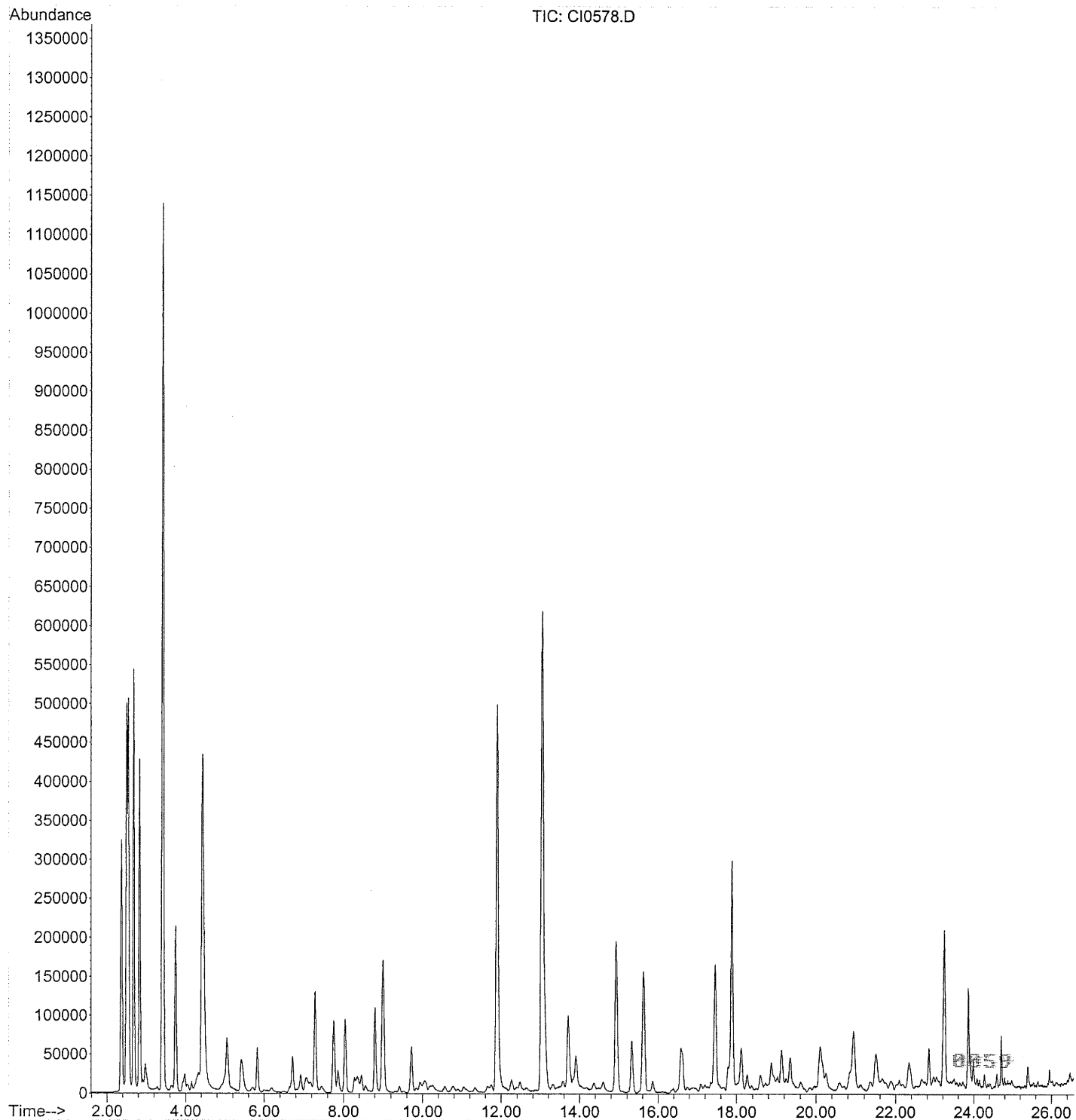
U = Compound was undetected at the specified limit of quantitation.

B = Compound was found in method blank. D = analysis of diluted sample.

J = Compound was detected, but below the limit of quantitation.

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0578.D
Acq On : 26 Sep 2005 3:51
Operator : JBS
Sample : 4600660 500CC
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 27 21:06:29 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\SEP25\
 Data File : CI0578.D
 Acq On : 26 Sep 2005 3:51
 Operator : JBS
 Sample : 4600660 500CC
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 27 21:06:29 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 QLast Update : Mon Sep 26 08:28:19 2005
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.29	130	838160	10.000		0.01
37) 1,4-Difluorobenzene	9.00	114	3041214	10.000		0.00
51) Chlorobenzene d5	14.93	117	2796485	10.000		-0.02

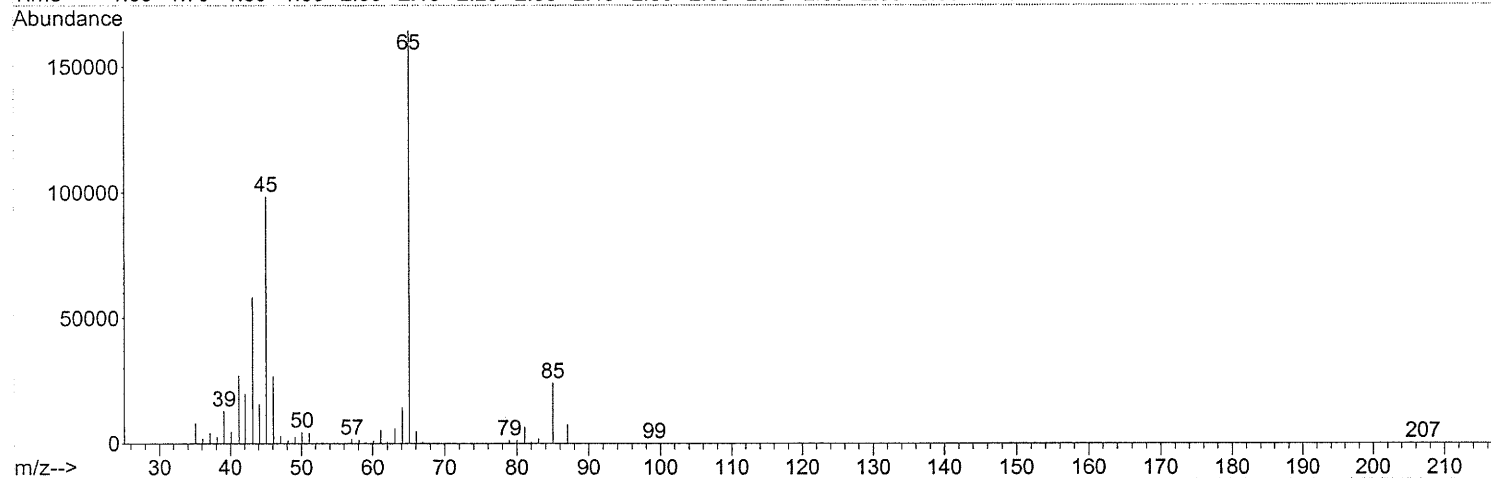
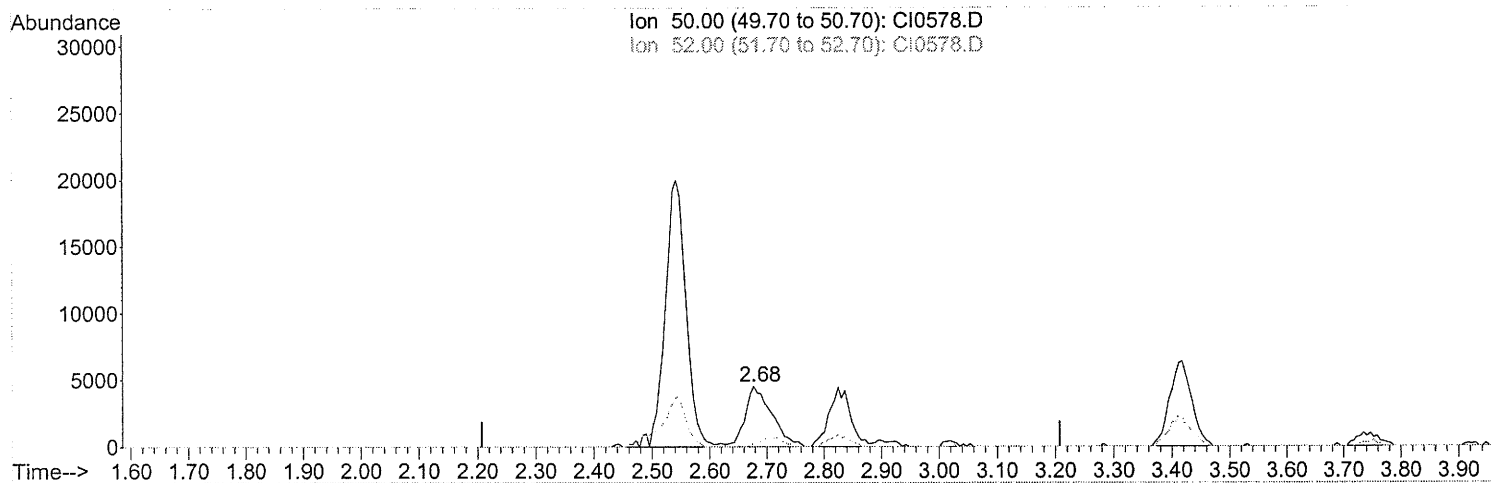
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propene	2.50	41	1014069	13.184	PPB	# 43
3) Dichlorodifluoromethane	2.54	85	223736	1.019	PPB	99
4) Chlorodifluoromethane	2.54	51	9877427	67.232	PPB	95
6) Chloromethane	2.68	50	145152m	1.280	PPB	
12) Trichlorofluoromethane	3.62	101	67113	0.267	PPB	100
13) Pentane	3.74	43	2198380	12.866	PPB	93
14) Acrolein	4.22	56	34941	1.525	PPB	# 15
17) Acetone	4.43	43	13436709	107.312	PPB	# 85
19) Carbon Disulfide	4.58	76	52605	0.244	PPB	# 66
22) Methylene Chloride	5.02	84	55105	0.837	PPB	# 73
24) Acrylonitrile	5.42	53	23293	0.281	PPB	# 18
26) Methyl t-Butyl Ether	5.45	73	463388	2.471	PPB	# 42
27) Hexane	5.83	57	385435	3.035	PPB	90
29) Vinyl Acetate	6.19	43	186114m	1.370	PPB	
30) cis-1,2-Dichloroethene	6.93	61	189282	1.857	PPB	89
31) 2-Butanone	7.06	72	140721	5.322	PPB	# 94
32) Ethyl Acetate	7.17	70	23260m	2.355	PPB	
38) 1,2-Dichloroethane	8.34	62	201582	1.957	PPB	98
39) Benzene	8.28	78	237754	1.076	PPB	97
40) Isooctane	8.45	57	266589	0.689	PPB	# 61
41) Heptane	8.81	43	958968m	5.663	PPB	
42) Trichloroethene	9.41	130	51779	0.287	PPB	93
50) 4-Methyl-2-Pentanone	11.74	43	182607m	0.600	PPB	
52) Toluene	11.90	91	8598406	17.424	PPB	96
53) Octane	12.26	43	200873m	0.559	PPB	
57) Tetrachloroethene	13.04	166	4210179	13.246	PPB	98
63) Ethylbenzene	15.33	91	1104296	2.835	PPB	98
64) m/p-Xylene	15.63	91	2080665	6.496	PPB	96
65) o-Xylene	16.58	91	631254	2.010	PPB	95
66) Styrene	16.63	104	447583	1.732	PPB	# 100
72) 4-Ethyltoluene	18.88	105	466323m	0.945	PPB	
73) 1,3,5-Trimethylbenzene	19.13	105	203827	0.477	PPB	97
75) 1,2,4-Trimethylbenzene	20.10	105	679192	1.569	PPB	# 81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

0060

Data Path : C:\MSDCHEM\1\DATA\SEP25\
 Data File : CI0578.D
 Acq On : 26 Sep 2005 3:51
 Operator : JBS
 Sample : 4600660 500CC
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 26 08:30:59 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 QLast Update : Mon Sep 26 08:28:19 2005
 Response via : Initial Calibration



TIC: CI0578.D

(6) Chloromethane

2.678min (-0.029) 1.28PPB m

response 145152

Ion	Exp%	Act%
50.00	100	100
52.00	26.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

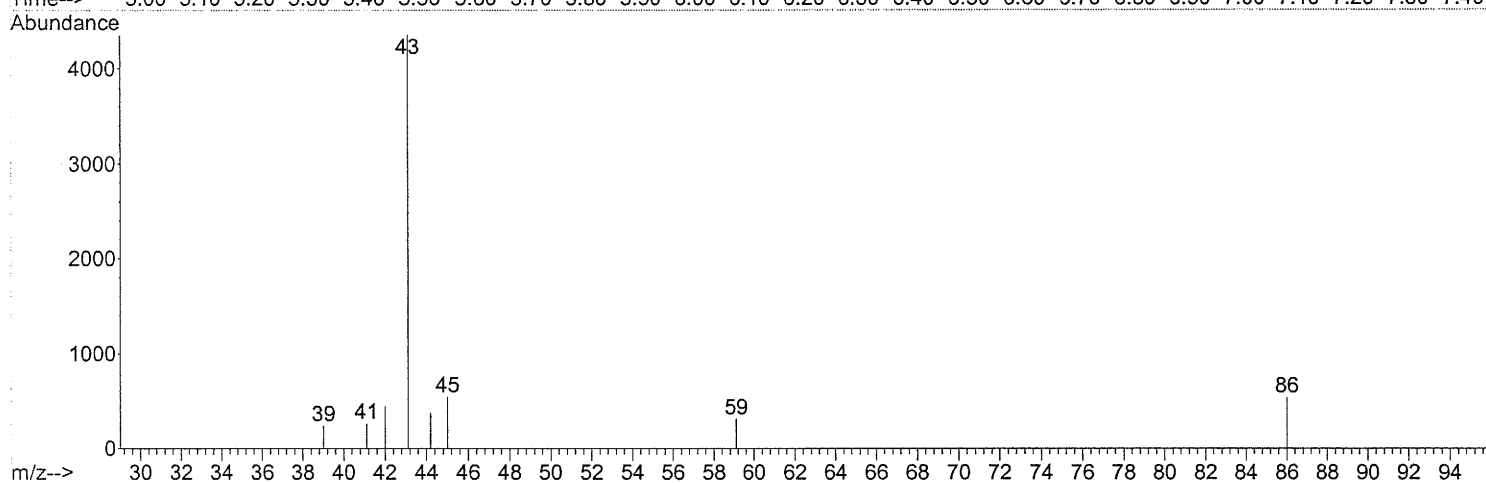
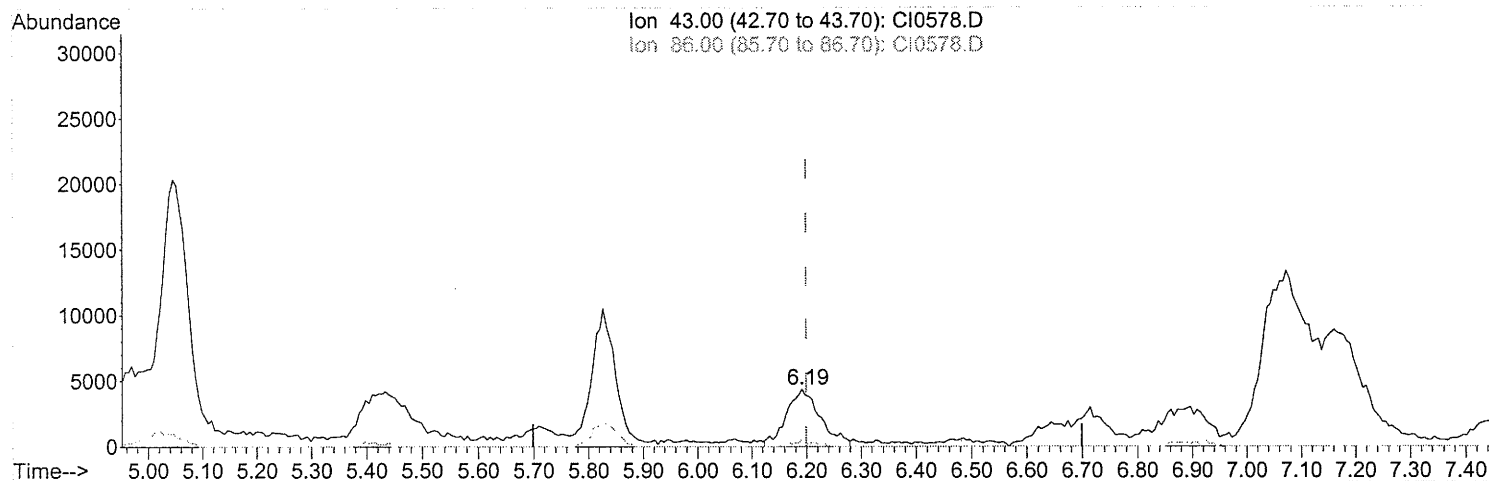
*split peak
 206207
 9/27/05*

*5mm 703
 9/29/05*

8861

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0578.D
Acq On : 26 Sep 2005 3:51
Operator : JBS
Sample : 4600660 500CC
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 26 08:30:59 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0578.D

(29) Vinyl Acetate

6.191min (-0.008) 1.37PPB m

response 186114

Ion	Exp%	Act%
43.00	100	100
86.00	7.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

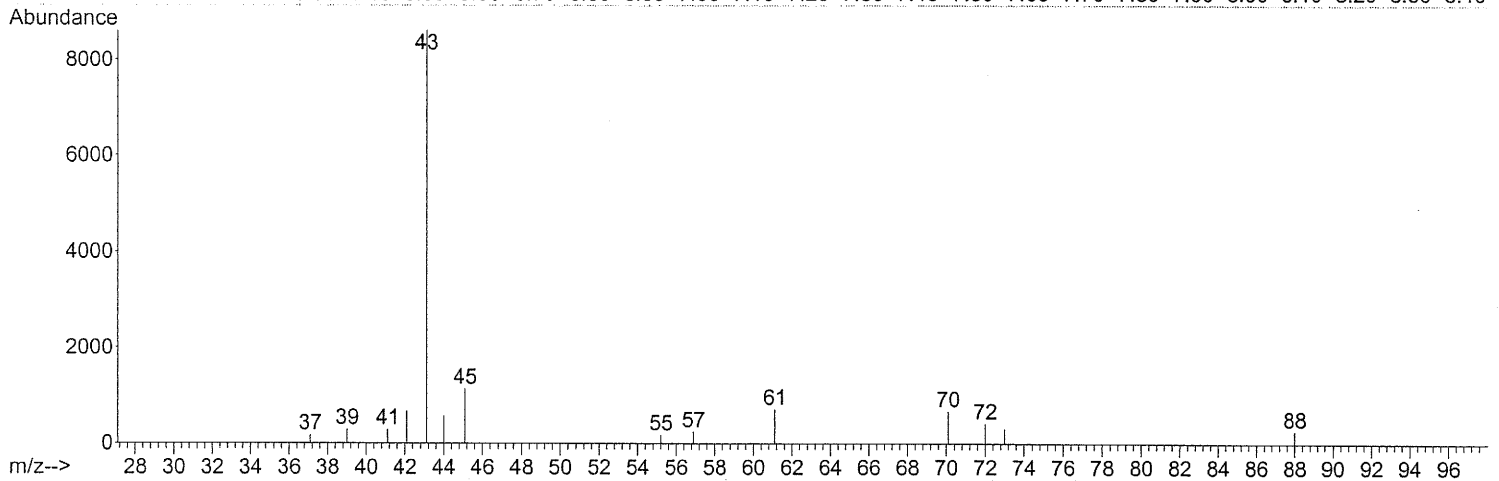
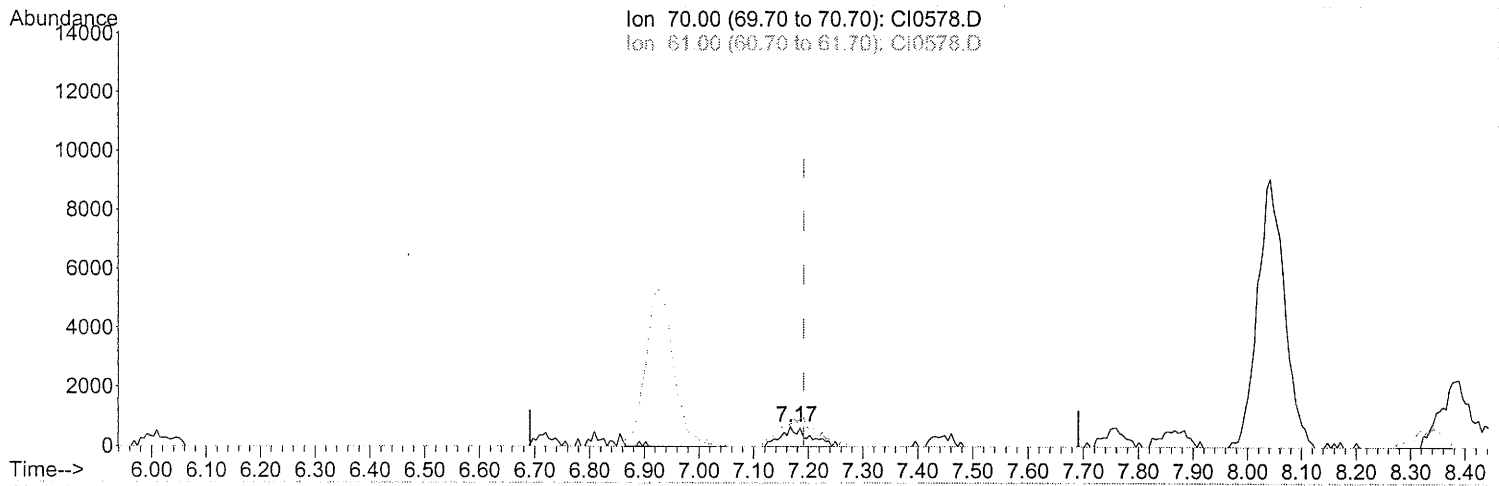
split peak
120000
9/27/05
from 863
9/29/05

0062

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\SEP25\
 Data File : CI0578.D
 Acq On : 26 Sep 2005 3:51
 Operator : JBS
 Sample : 4600660 500CC
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 27 21:06:29 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 QLast Update : Mon Sep 26 08:28:19 2005
 Response via : Initial Calibration



TIC: CI0578.D

(32) Ethyl Acetate

7.167min (-0.025) 2.36PPB m

response 23260

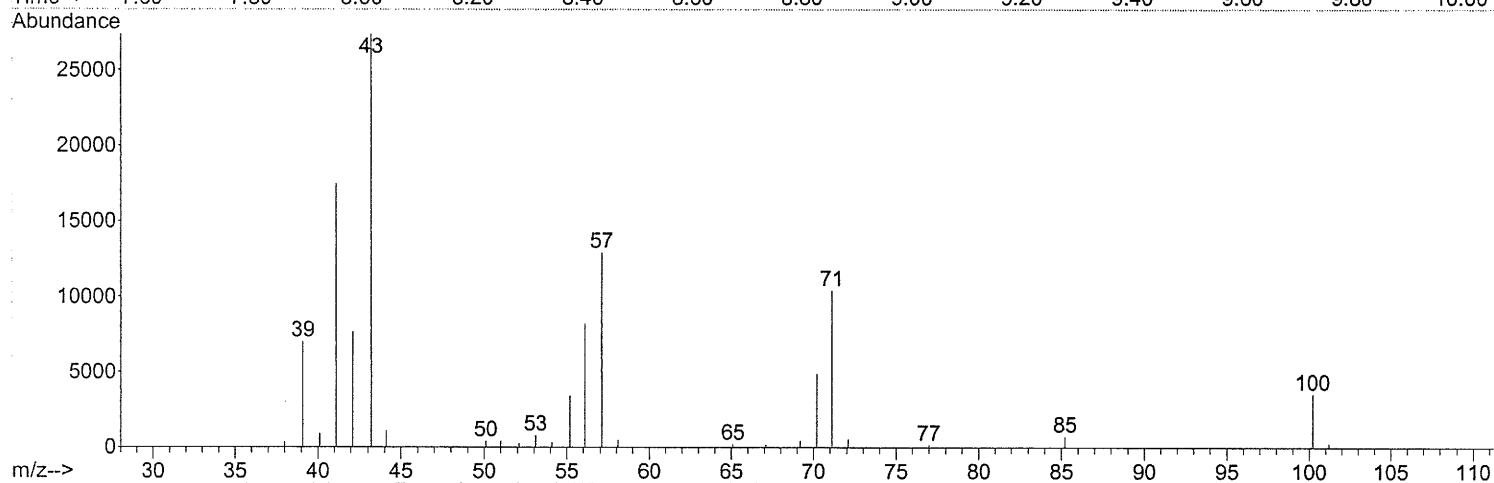
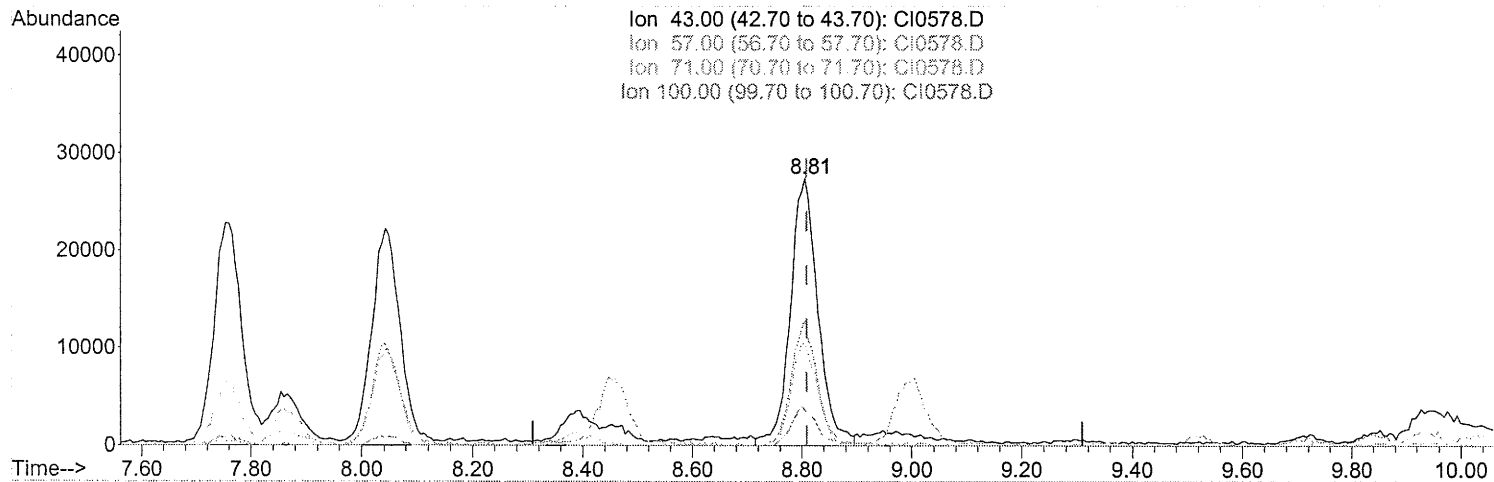
Ion	Exp%	Act%
70.00	100	100
61.00	172.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Spot peak
Mon 9/27/05
2710/19/05

8863

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0578.D
Acq On : 26 Sep 2005 3:51
Operator : JBS
Sample : 4600660 500CC
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 26 08:30:59 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0578.D

(41) Heptane

8.806min (-0.003) 5.66PPB m

response 958968

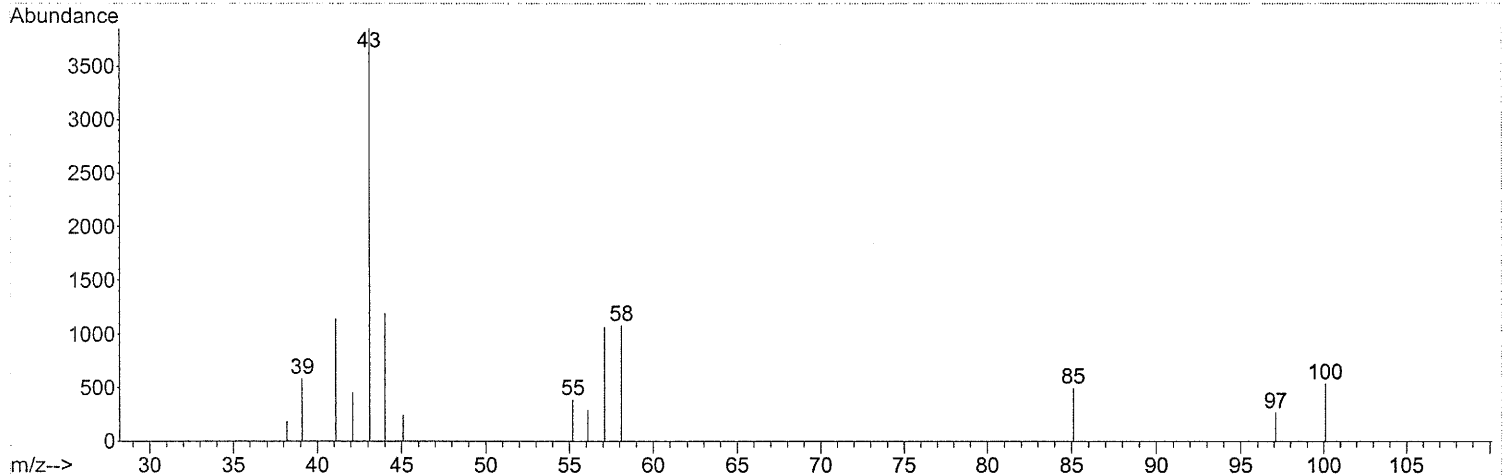
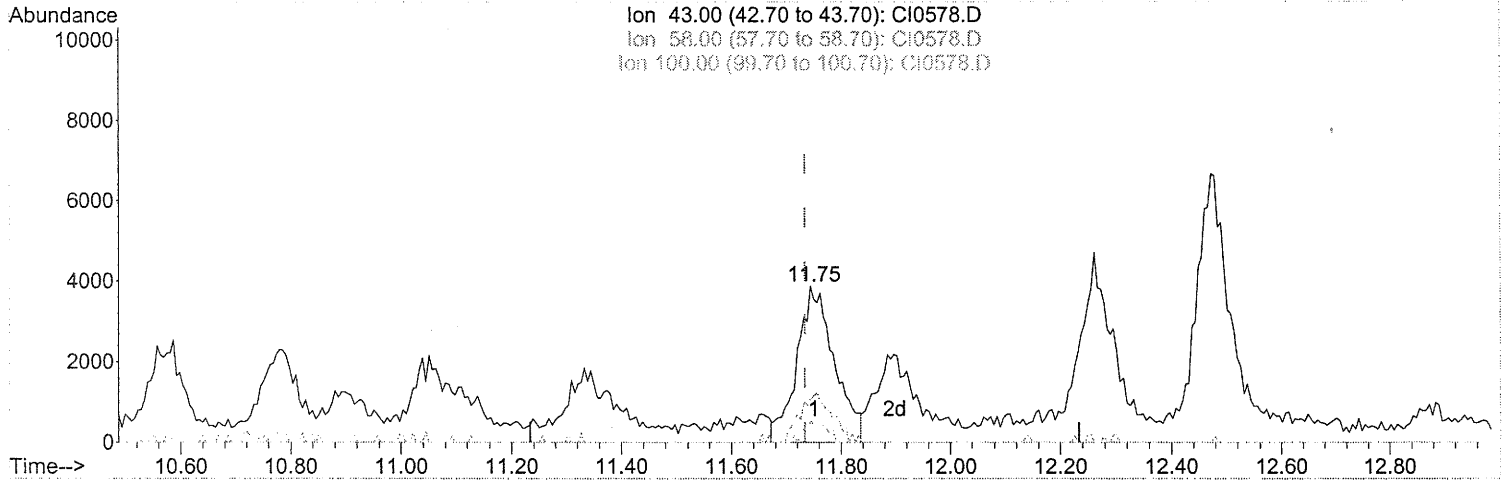
Ion	Exp%	Act%
43.00	100	100
57.00	49.30	43.23
71.00	37.60	37.24
100.00	14.60	13.01

*split peak
Rxxxy
9/22/05
Hxxm
9/22/05*

0064

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0578.D
Acq On : 26 Sep 2005 3:51
Operator : JBS
Sample : 4600660 500CC
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 27 21:02:06 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0578.D

(50) 4-Methyl-2-Pentanone

11.744min (+0.010) 0.60PPB m

response 182607

Ion	Exp%	Act%
43.00	100	100
58.00	38.50	27.10#
100.00	12.40	0.00#
0.00	0.00	0.00

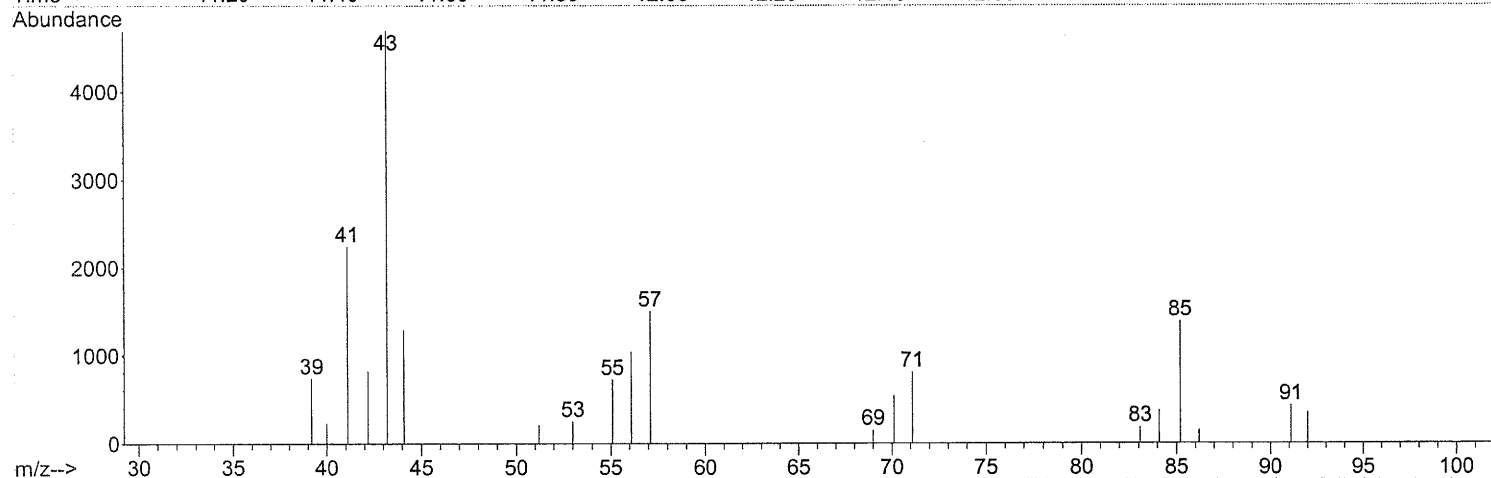
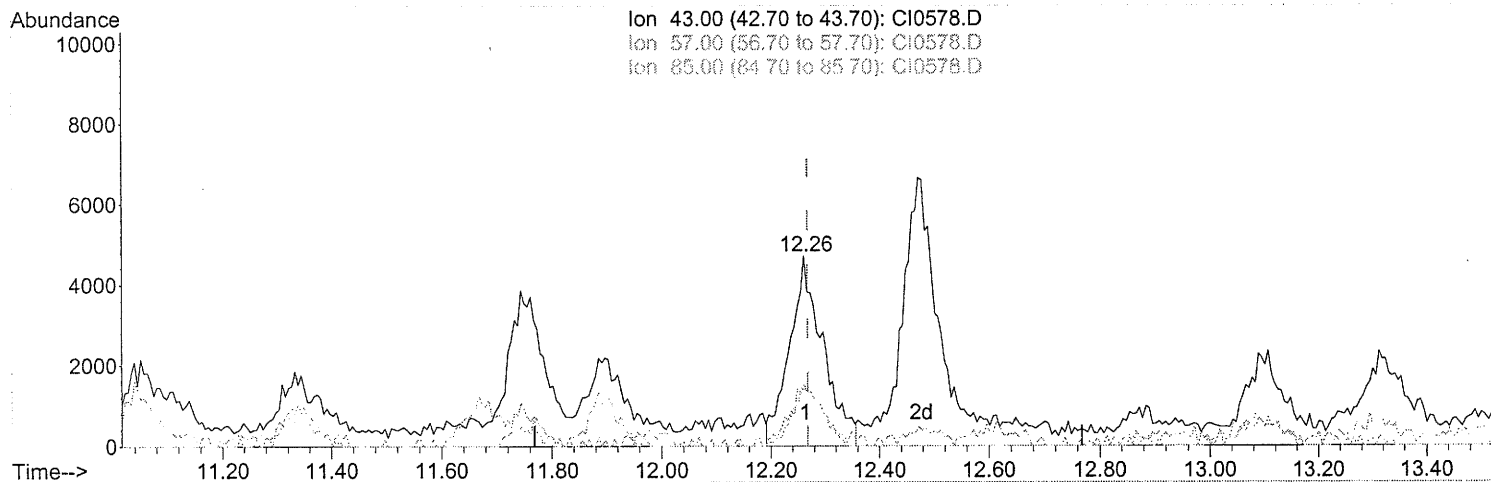
split peak
236244
9/27/05
from 703
9/28/05

8865

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\SEP25\
 Data File : CI0578.D
 Acq On : 26 Sep 2005 3:51
 Operator : JBS
 Sample : 4600660 500CC
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 27 21:02:06 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 QLast Update : Mon Sep 26 08:28:19 2005
 Response via : Initial Calibration



TIC: CI0578.D

(53) Octane

12.261min (-0.007) 0.56PPB m

response 200873

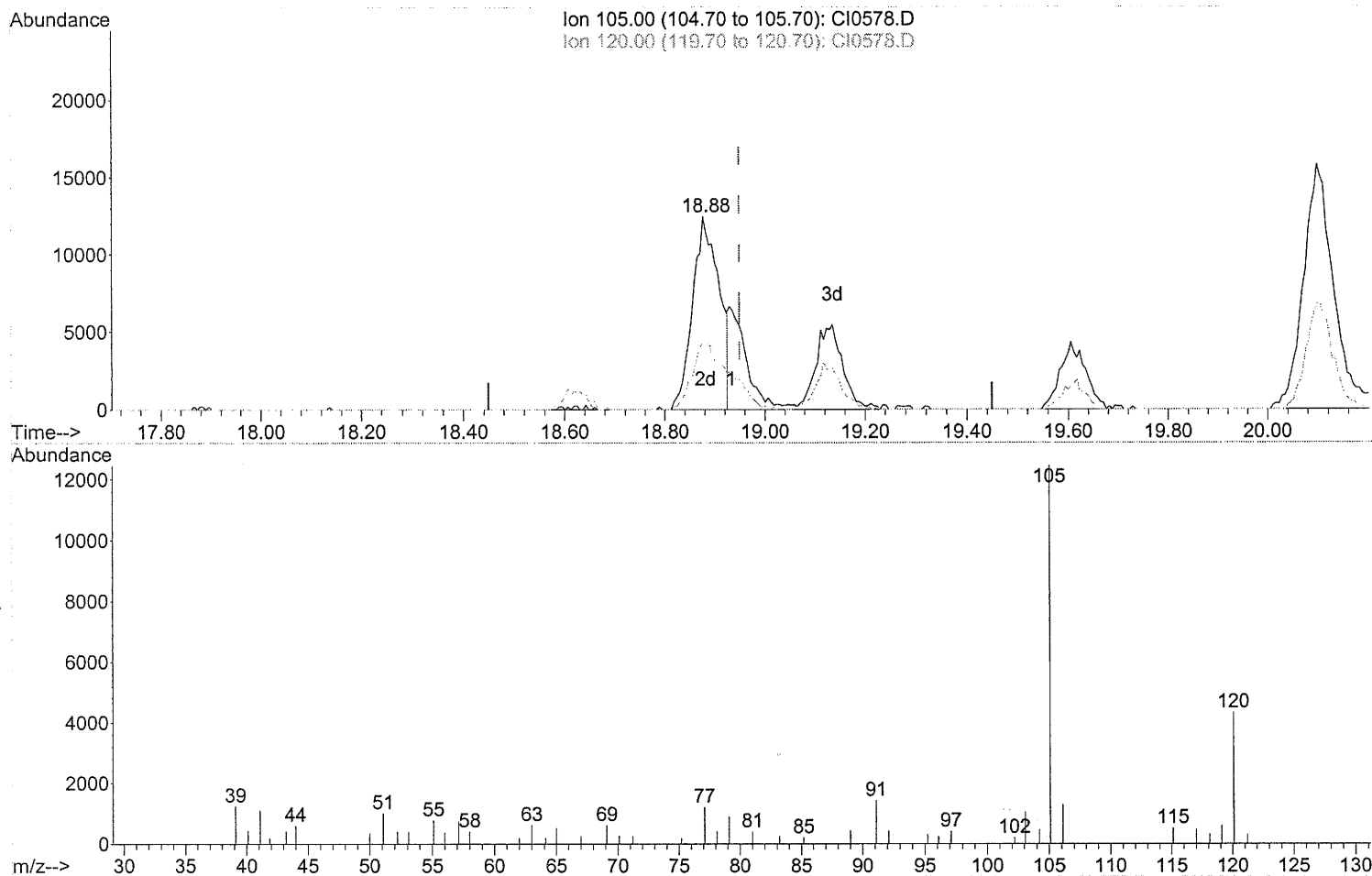
Ion	Exp%	Act%
43.00	100	100
57.00	40.30	35.14
85.00	35.10	29.64
0.00	0.00	0.00

split peak
response
12/27/05
10/28/06

0066

Data Path : C:\MSDCHEM\1\DATA\SEP25\
 Data File : CI0578.D
 Acq On : 26 Sep 2005 3:51
 Operator : JBS
 Sample : 4600660 500CC
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 27 21:02:06 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 QLast Update : Mon Sep 26 08:28:19 2005
 Response via : Initial Calibration



TIC: CI0578.D

(72) 4-Ethyltoluene

18.877min (-0.072) 0.95PPB m

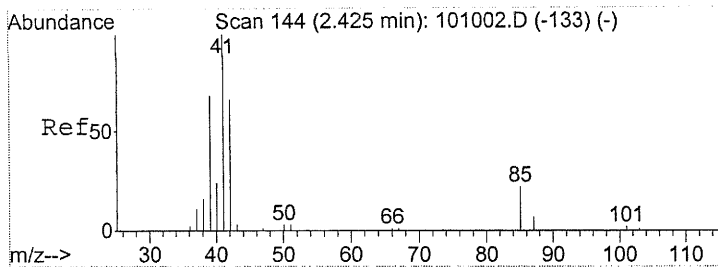
response 466323

Ion	Exp%	Act%
105.00	100	100
120.00	32.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

*removed
 should be
 2/27/05*

*ASm 203
 9/28/05*

8067



#2

Propene

Concen: 13.18 PPB

RT: 2.50 min Scan# 157

Delta R.T. 0.00 min

Lab File: CI0578.D

Acq: 26 Sep 2005 3:51

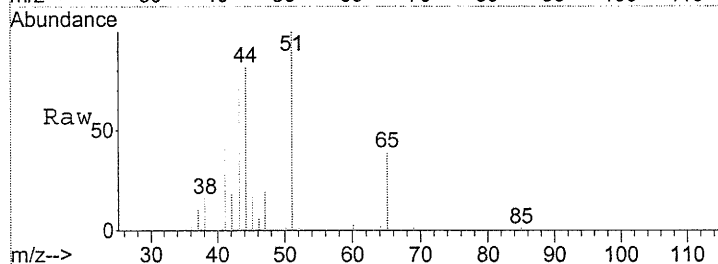
Tgt Ion: 41 Resp: 1014069

Ion Ratio Lower Upper

41 100

39 127.1 51.6 77.4#

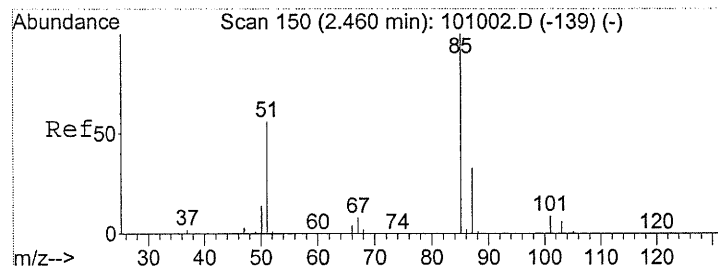
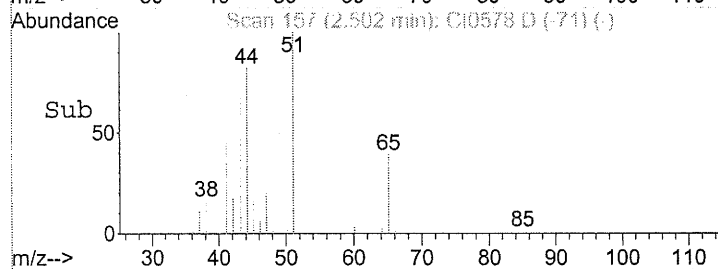
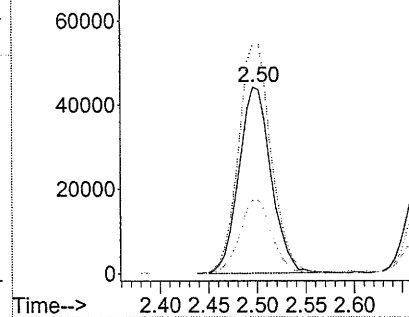
42 39.8 55.0 82.4#



Abundance Ion 41.00 (40.70 to 41.70): CI0

Ion 39.00 (38.70 to 39.70): CI0

Ion 42.00 (41.70 to 42.70): CI0



#3

Dichlorodifluoromethane

Concen: 1.02 PPB

RT: 2.54 min Scan# 163

Delta R.T. 0.01 min

Lab File: CI0578.D

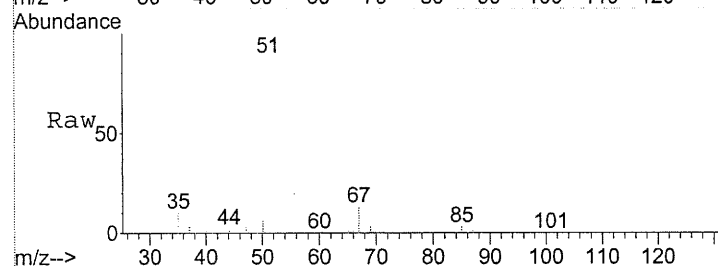
Acq: 26 Sep 2005 3:51

Tgt Ion: 85 Resp: 223736

Ion Ratio Lower Upper

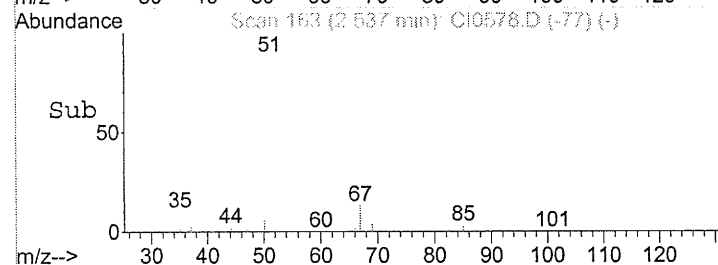
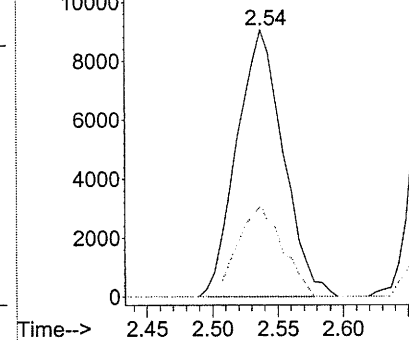
85 100

87 32.8 25.8 38.8

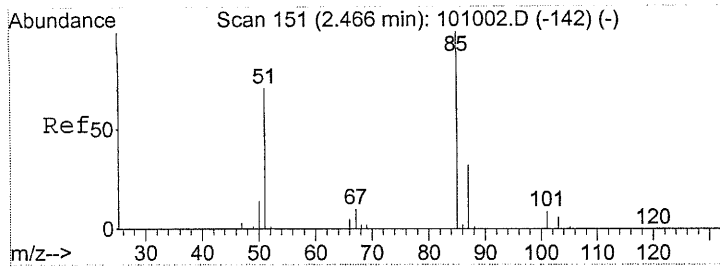


Abundance Ion 85.00 (84.70 to 85.70): CI0

Ion 87.00 (86.70 to 87.70): CI0

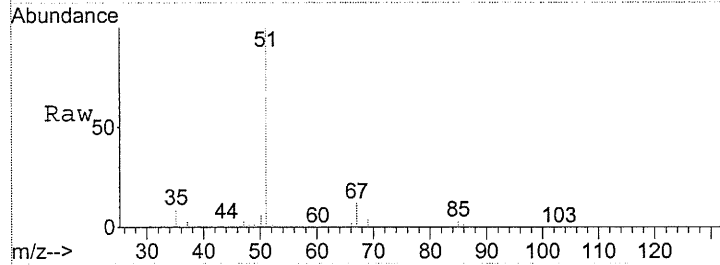


8868

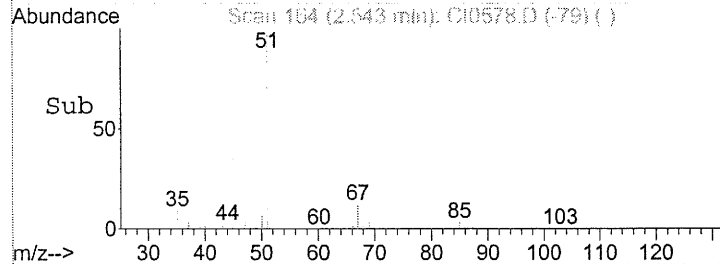
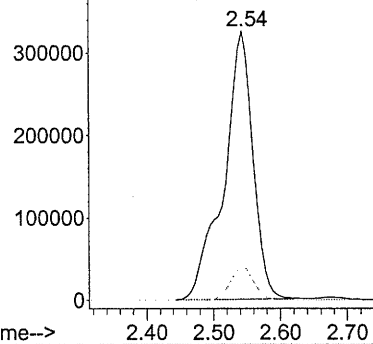


#4
Chlorodifluoromethane
Concen: 67.23 PPB
RT: 2.54 min Scan# 164
Delta R.T. 0.00 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 51 Resp: 9877427
Ion Ratio Lower Upper
51 100
67 10.0 9.6 14.4

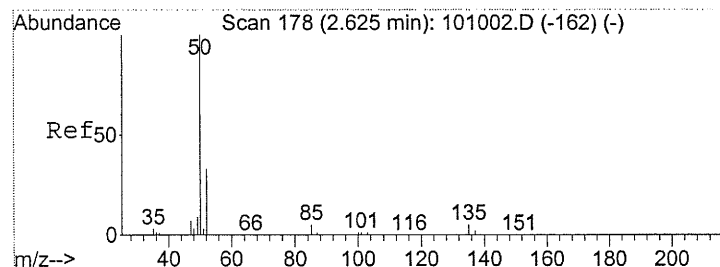


Abundance Ion 51.00 (50.70 to 51.70): ClO
Ion 67.00 (66.70 to 67.70): ClO

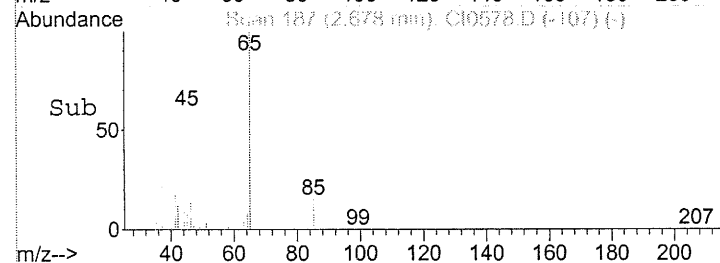
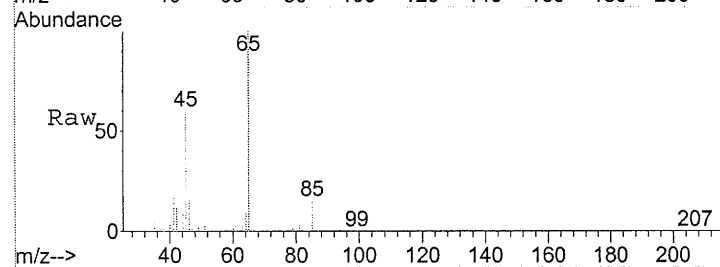
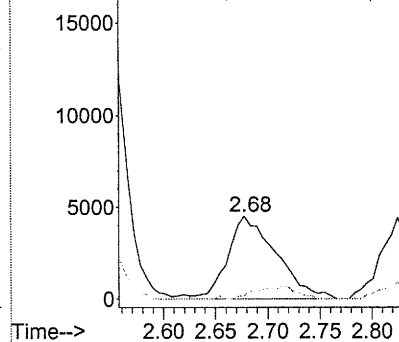


#6
Chloromethane
Concen: 1.28 PPB m
RT: 2.68 min Scan# 187
Delta R.T. -0.03 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

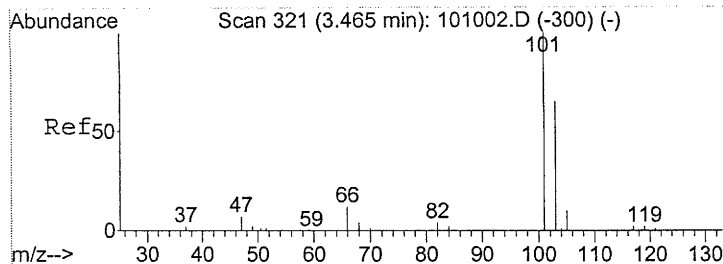
Tgt Ion: 50 Resp: 145152
Ion Ratio Lower Upper
50 100
52 0.0 21.0 31.4#



Abundance Ion 50.00 (49.70 to 50.70): ClO
Ion 52.00 (51.70 to 52.70): ClO

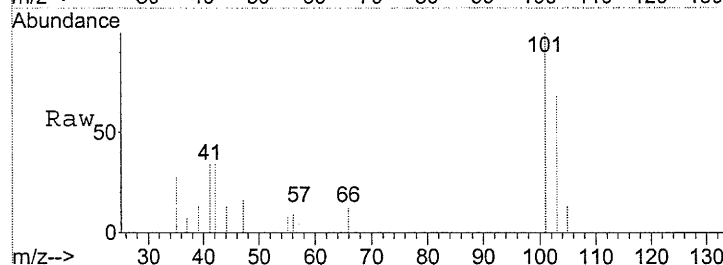


0069

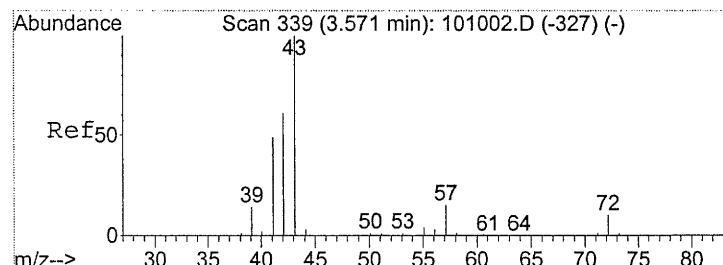
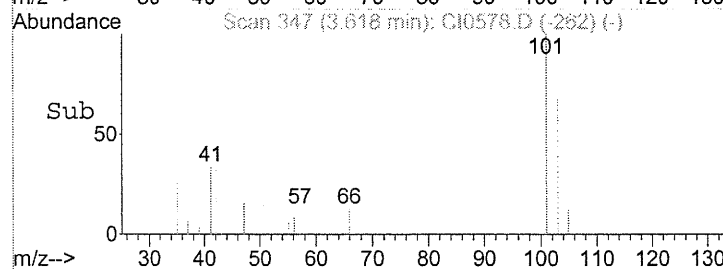
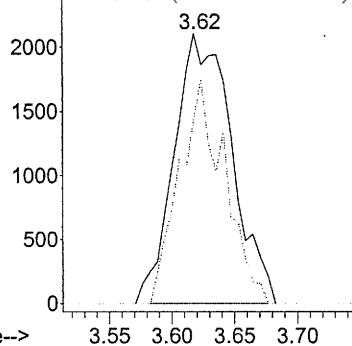


#12
 Trichlorofluoromethane
 Concen: 0.27 PPB
 RT: 3.62 min Scan# 347
 Delta R.T. 0.00 min
 Lab File: CI0578.D
 Acq: 26 Sep 2005 3:51

Tgt Ion: 101 Resp: 67113
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4

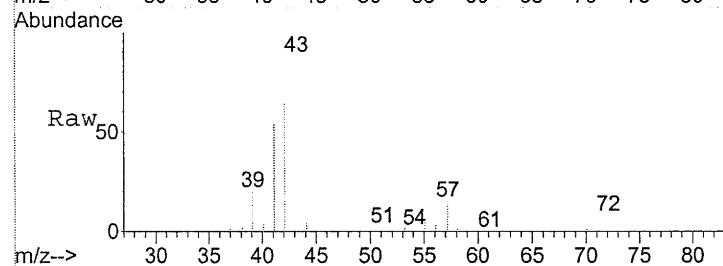


Abundance Ion 101.00 (100.70 to 101.70): (

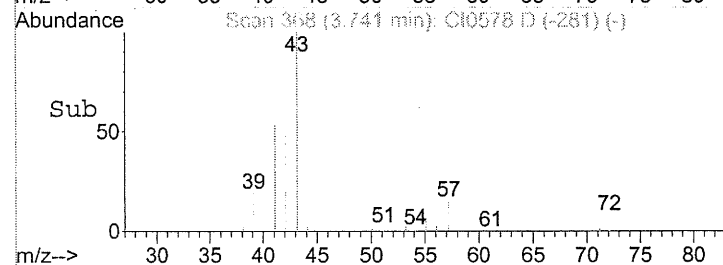
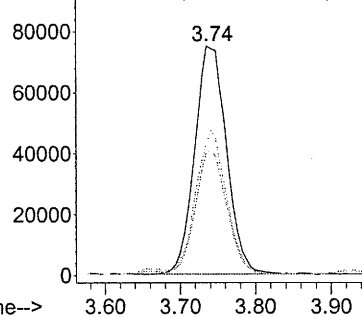


#13
 Pentane
 Concen: 12.87 PPB
 RT: 3.74 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: CI0578.D
 Acq: 26 Sep 2005 3:51

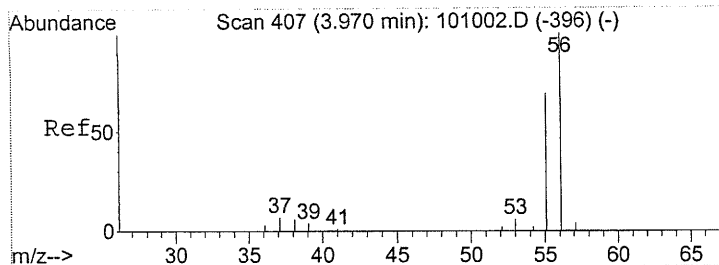
Tgt Ion: 43 Resp: 2198380
 Ion Ratio Lower Upper
 43 100
 41 54.3 37.7 56.5
 42 62.6 47.8 71.8



Abundance Ion 43.00 (42.70 to 43.70): ClO
 Ion 41.00 (40.70 to 41.70): ClO
 Ion 42.00 (41.70 to 42.70): ClO



0078



#14

Acrolein

Concen: 1.52 PPB

RT: 4.22 min Scan# 449

Delta R.T. -0.00 min

Lab File: CI0578.D

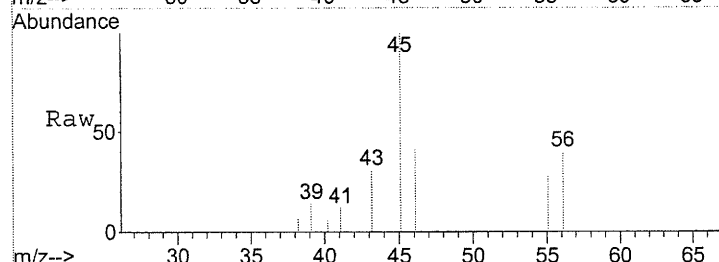
Acq: 26 Sep 2005 3:51

Tgt Ion: 56 Resp: 34941

Ion Ratio Lower Upper

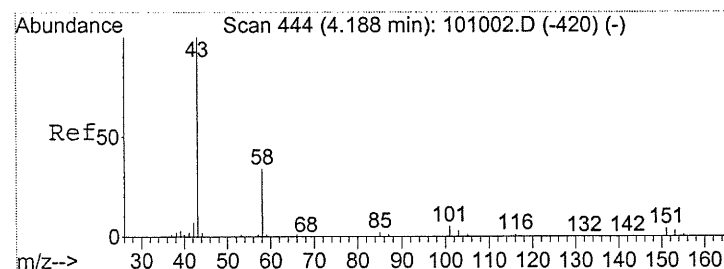
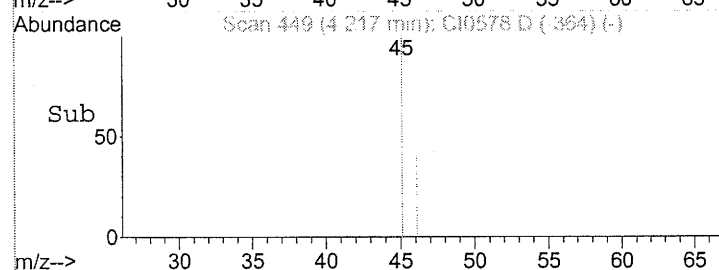
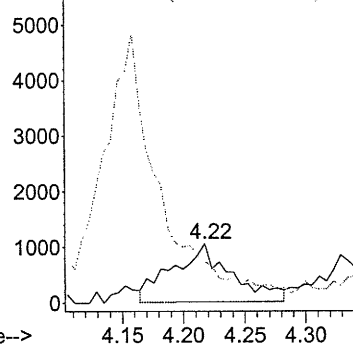
56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): ClO

Ion 55.00 (54.70 to 55.70): ClO



#17

Acetone

Concen: 107.31 PPB

RT: 4.43 min Scan# 486

Delta R.T. -0.03 min

Lab File: CI0578.D

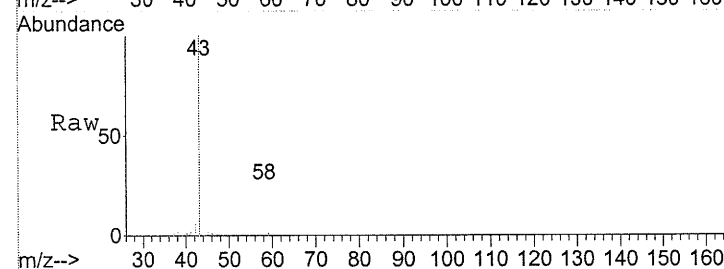
Acq: 26 Sep 2005 3:51

Tgt Ion: 43 Resp: 13436709

Ion Ratio Lower Upper

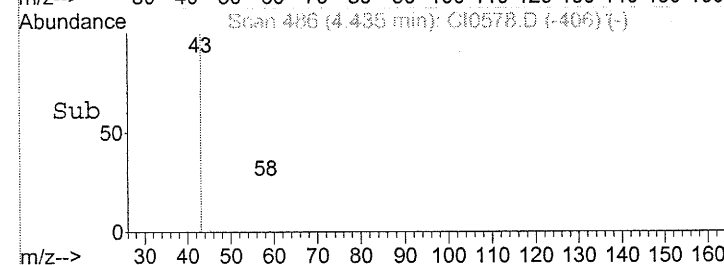
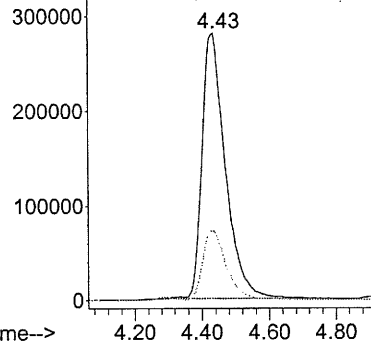
43 100

58 26.6 28.2 42.4#

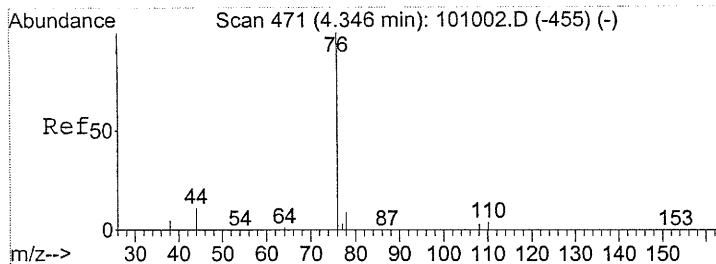


Abundance Ion 43.00 (42.70 to 43.70): ClO

Ion 58.00 (57.70 to 58.70): ClO



0071



#19

Carbon Disulfide

Concen: 0.24 PPB

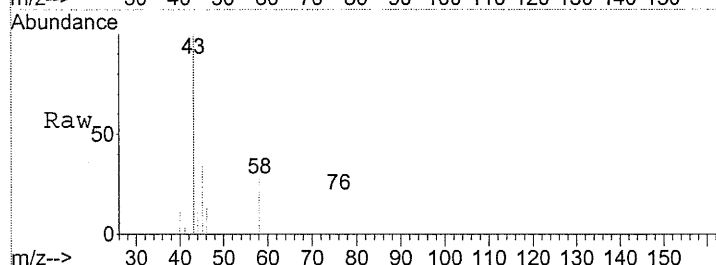
RT: 4.58 min Scan# 510

Delta R.T. 0.02 min

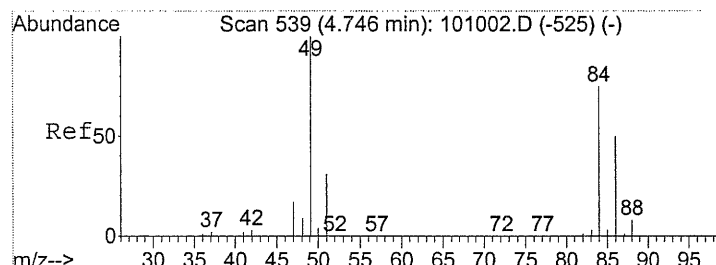
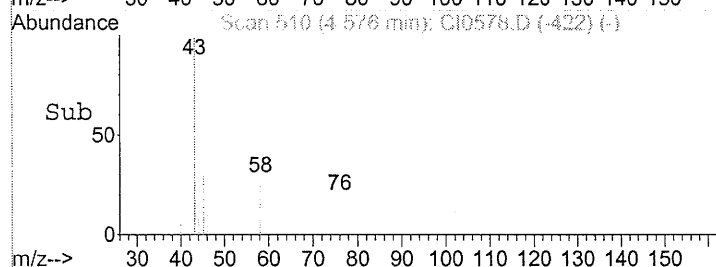
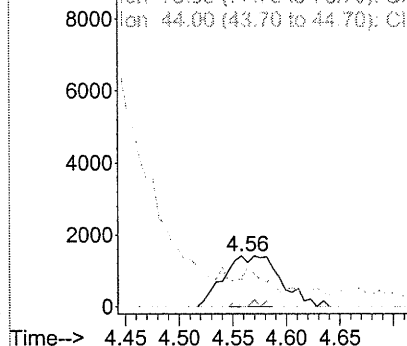
Lab File: CI0578.D

Acq: 26 Sep 2005 3:51

Tgt Ion: 76	Resp: 52605
Ion Ratio	Lower Upper
76	100
78	0.0 7.4 11.0#
44	0.0 13.6 20.4#



Abundance Ion 76.00 (75.70 to 76.70): ClO
Ion 78.00 (77.70 to 78.70): ClO
Ion 44.00 (43.70 to 44.70): ClO



#22

Methylene Chloride

Concen: 0.84 PPB

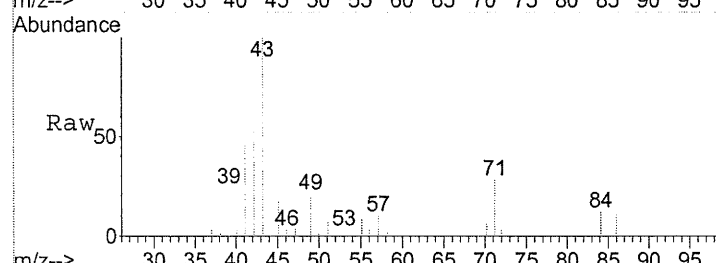
RT: 5.02 min Scan# 586

Delta R.T. 0.03 min

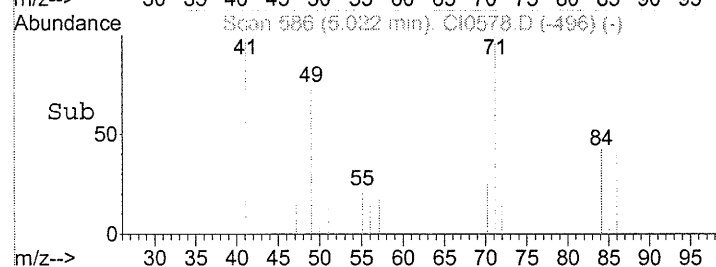
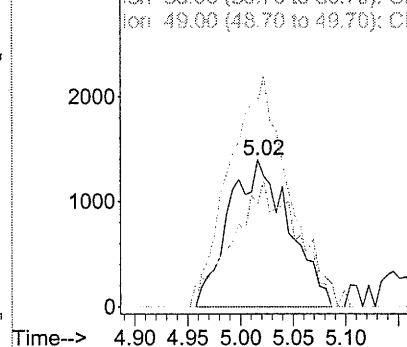
Lab File: CI0578.D

Acq: 26 Sep 2005 3:51

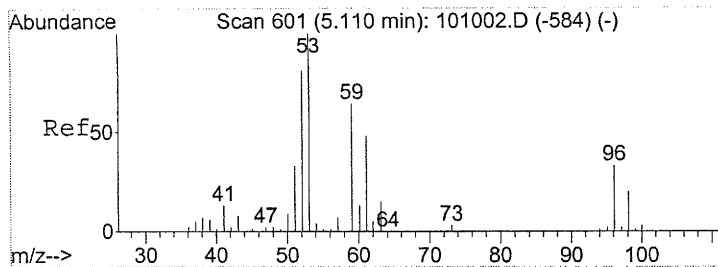
Tgt Ion: 84	Resp: 55105
Ion Ratio	Lower Upper
84	100
86	54.8 56.4 84.6#
49	151.2 155.8 233.6#



Abundance Ion 84.00 (83.70 to 84.70): ClO
Ion 86.00 (85.70 to 86.70): ClO
Ion 49.00 (48.70 to 49.70): ClO

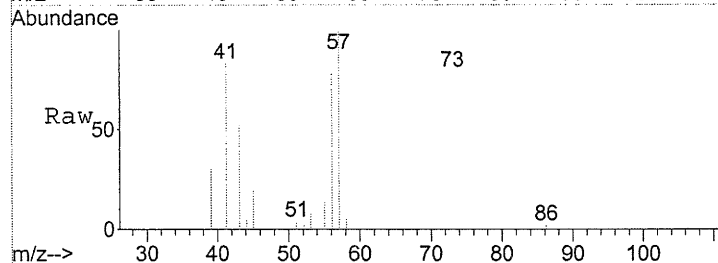


0072

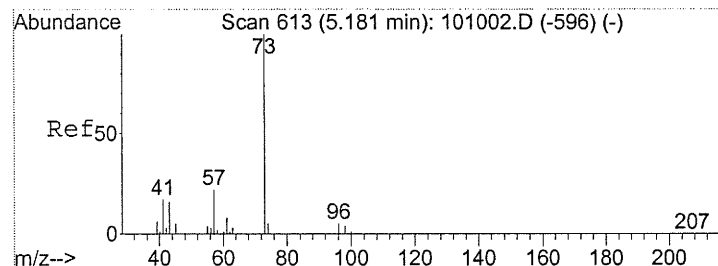
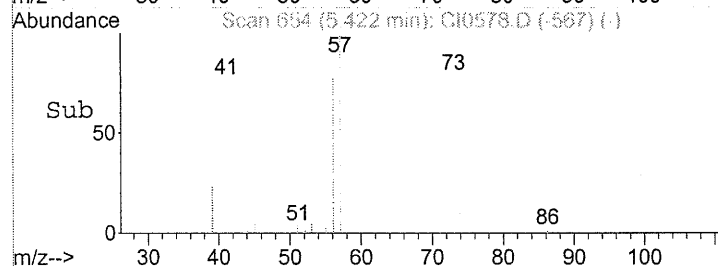
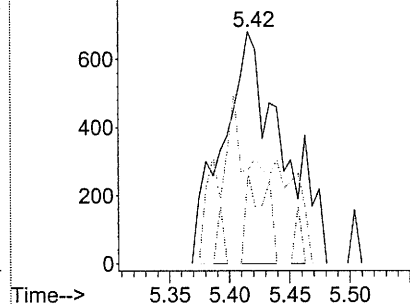


#24
Acrylonitrile
Concen: 0.28 PPB
RT: 5.42 min Scan# 654
Delta R.T. 0.01 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 53 Resp: 23293
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 0.0 28.6 43.0#

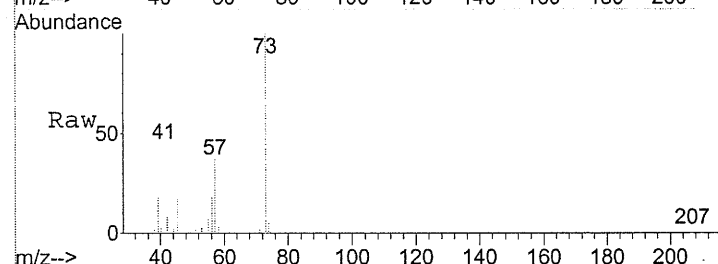


Abundance Ion 53.00 (52.70 to 53.70): ClO
Ion 52.00 (51.70 to 52.70): ClO
Ion 51.00 (50.70 to 51.70): ClO

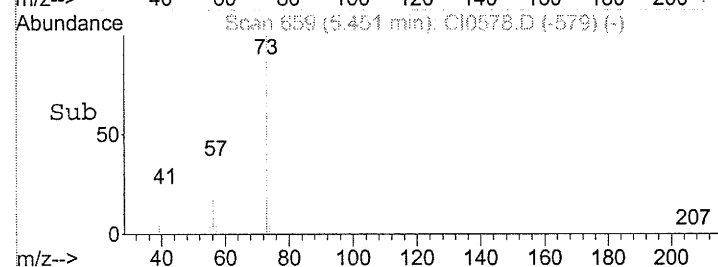
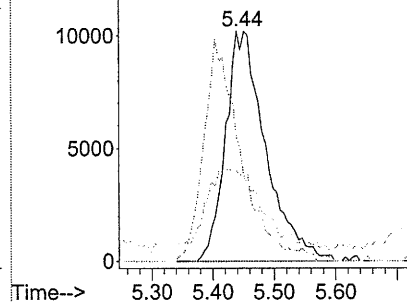


#26
Methyl t-Butyl Ether
Concen: 2.47 PPB
RT: 5.45 min Scan# 659
Delta R.T. -0.03 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

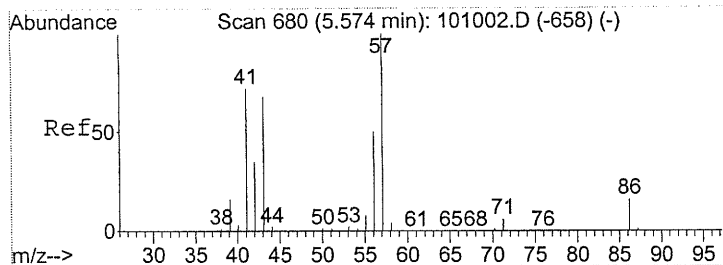
Tgt Ion: 73 Resp: 463388
Ion Ratio Lower Upper
73 100
57 0.0 28.2 42.2#
43 0.0 22.9 34.3#



Abundance Ion 73.00 (72.70 to 73.70): ClO
Ion 57.00 (56.70 to 57.70): ClO
Ion 43.00 (42.70 to 43.70): ClO



8873



#27

Hexane

Concen: 3.03 PPB

RT: 5.83 min Scan# 724

Delta R.T. 0.00 min

Lab File: CI0578.D

Acq: 26 Sep 2005 3:51

Tgt Ion: 57 Resp: 385435

Ion Ratio Lower Upper

57 100

41 83.7 60.4 90.6

43 76.4 53.3 79.9

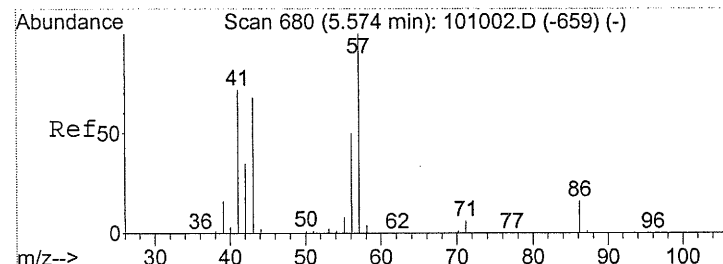
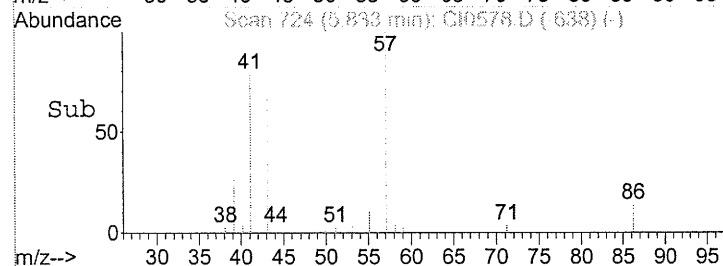
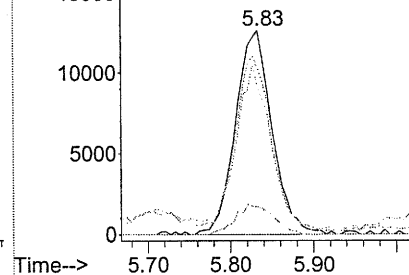
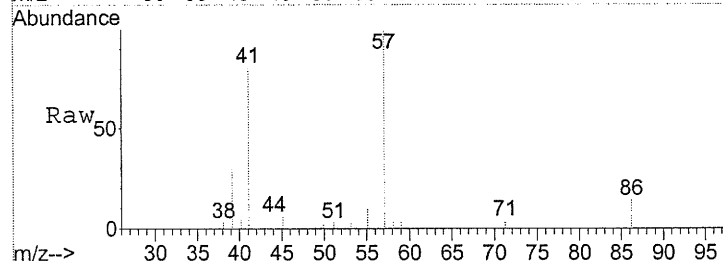
86 15.1 10.2 15.2

Abundance Ion 57.00 (56.70 to 57.70): CI0

Ion 41.00 (40.70 to 41.70): CI0

Ion 43.00 (42.70 to 43.70): CI0

Ion 86.00 (85.70 to 86.70): CI0



#29

Vinyl Acetate

Concen: 1.37 PPB m

RT: 6.19 min Scan# 785

Delta R.T. -0.01 min

Lab File: CI0578.D

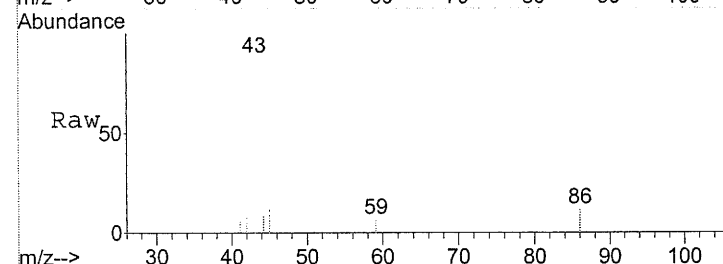
Acq: 26 Sep 2005 3:51

Tgt Ion: 43 Resp: 186114

Ion Ratio Lower Upper

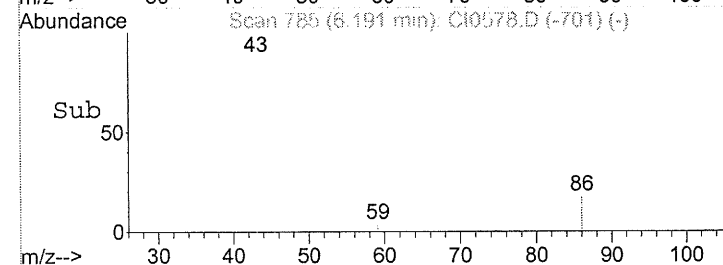
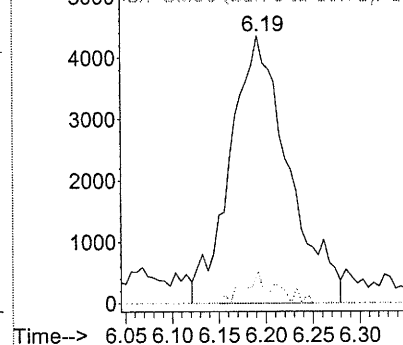
43 100

86 0.0 6.0 9.0#

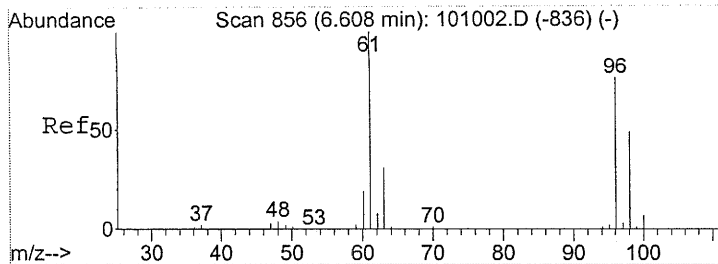


Abundance Ion 43.00 (42.70 to 43.70): CI0

Ion 86.00 (85.70 to 86.70): CI0

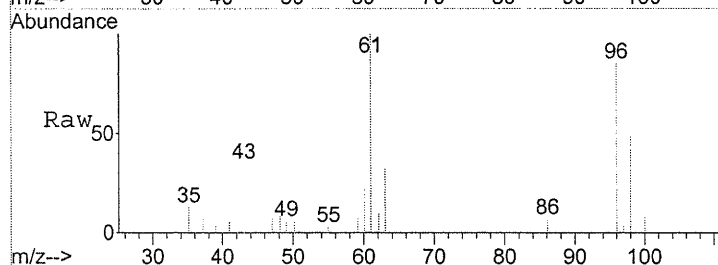


0074

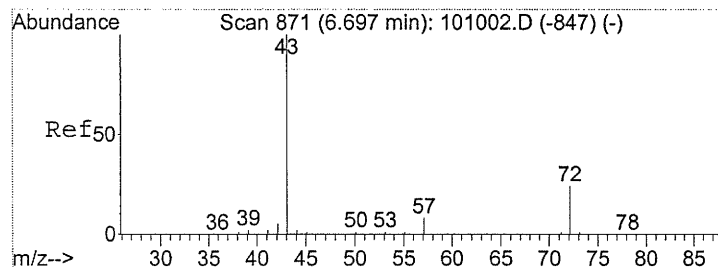
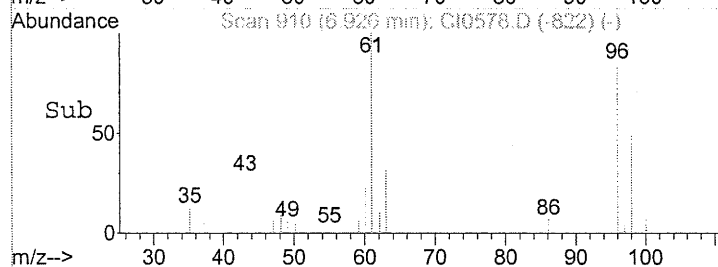
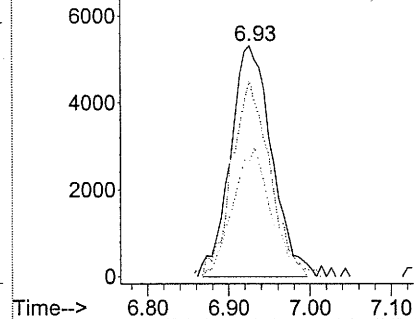


#30
 cis-1,2-Dichloroethene
 Concen: 1.86 PPB
 RT: 6.93 min Scan# 910
 Delta R.T. 0.02 min
 Lab File: CI0578.D
 Acq: 26 Sep 2005 3:51

Tgt Ion: 61 Resp: 189282
 Ion Ratio Lower Upper
 61 100
 96 75.1 53.8 80.8
 98 51.2 34.8 52.2

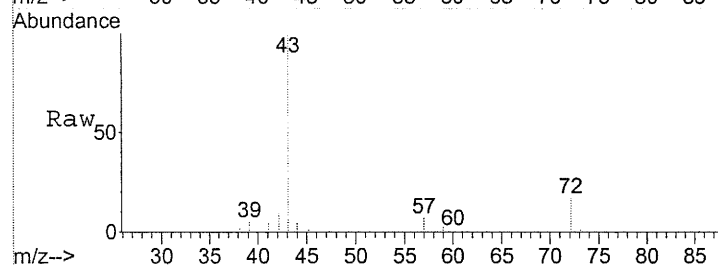


Abundance Ion 61.00 (60.70 to 61.70): ClO
 Ion 96.00 (95.70 to 96.70): ClO
 Ion 98.00 (97.70 to 98.70): ClO

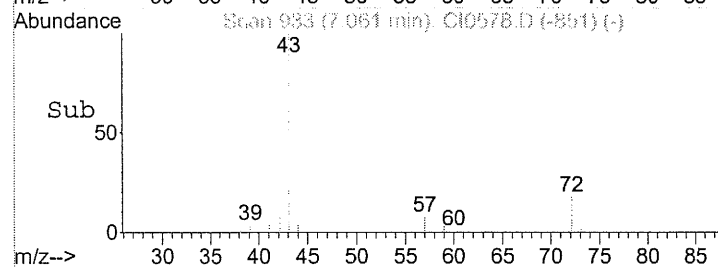
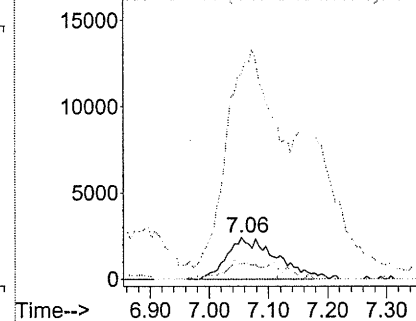


#31
 2-Butanone
 Concen: 5.32 PPB
 RT: 7.06 min Scan# 933
 Delta R.T. -0.02 min
 Lab File: CI0578.D
 Acq: 26 Sep 2005 3:51

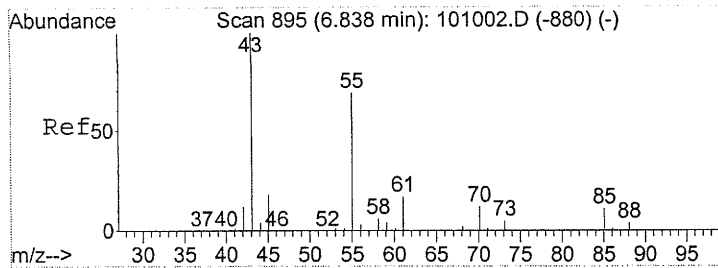
Tgt Ion: 72 Resp: 140721
 Ion Ratio Lower Upper
 72 100
 43 512.8 415.1 622.7
 57 0.0 28.9 43.3#



Abundance Ion 72.00 (71.70 to 72.70): ClO
 Ion 43.00 (42.70 to 43.70): ClO
 Ion 57.00 (56.70 to 57.70): ClO

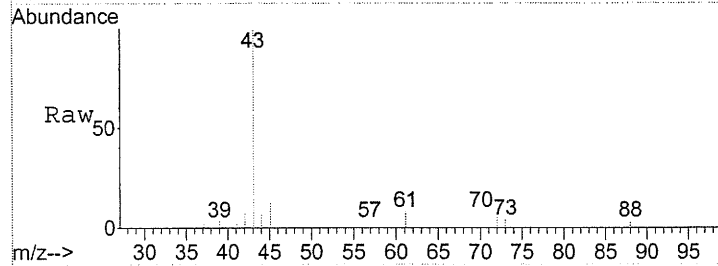


8875

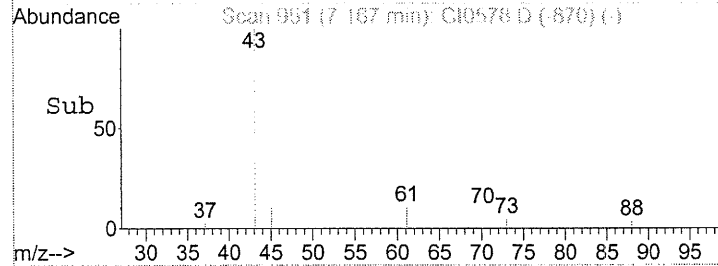
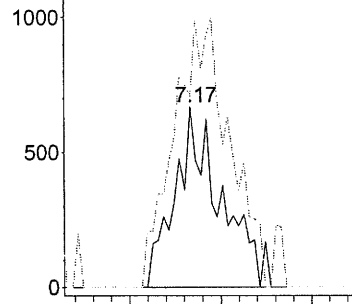


#32
Ethyl Acetate
Concen: 2.36 PPB m
RT: 7.17 min Scan# 951
Delta R.T. -0.02 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 70 Resp: 23260
Ion Ratio Lower Upper
70 100
61 0.0 137.6 206.4#

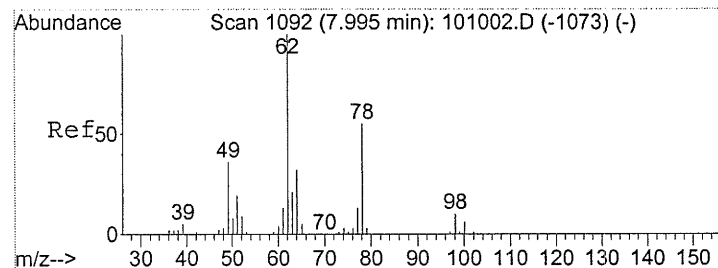


Abundance Ion 70.00 (69.70 to 70.70): ClO
Ion 61.00 (60.70 to 61.70): ClO

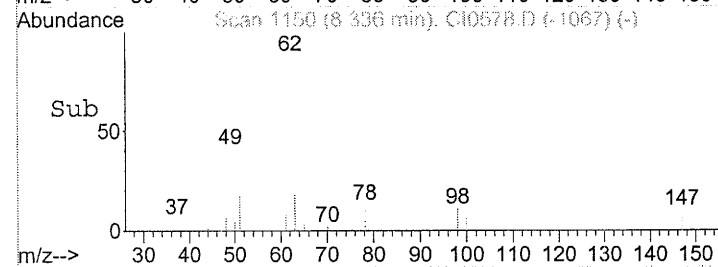
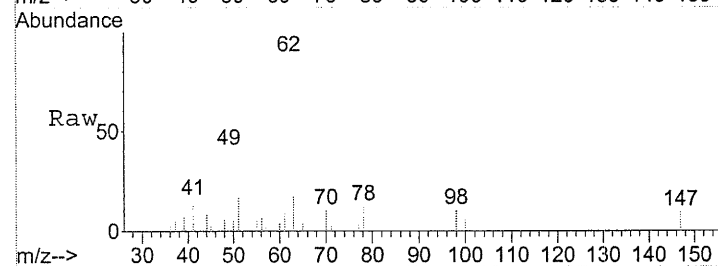
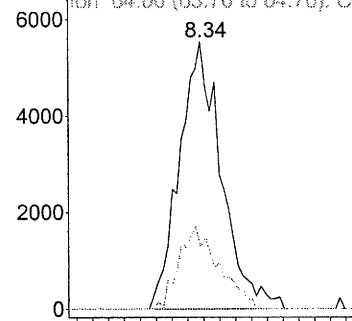


#38
1,2-Dichloroethane
Concen: 1.96 PPB
RT: 8.34 min Scan# 1150
Delta R.T. -0.01 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

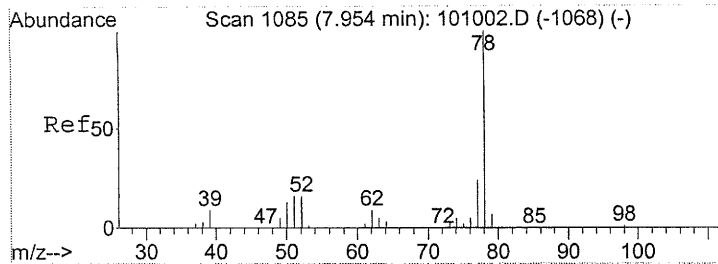
Tgt Ion: 62 Resp: 201582
Ion Ratio Lower Upper
62 100
64 29.3 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): ClO
Ion 64.00 (63.70 to 64.70): ClO



0076



#39

Benzene

Concen: 1.08 PPB

RT: 8.28 min Scan# 1141

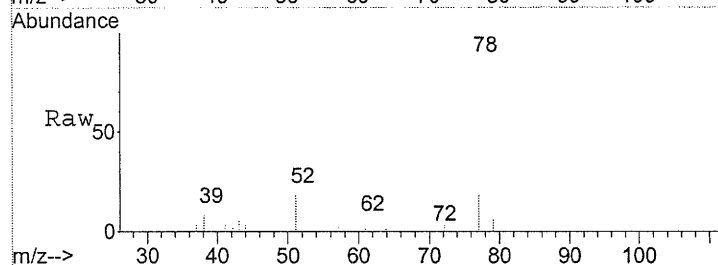
Delta R.T. -0.01 min

Lab File: CI0578.D

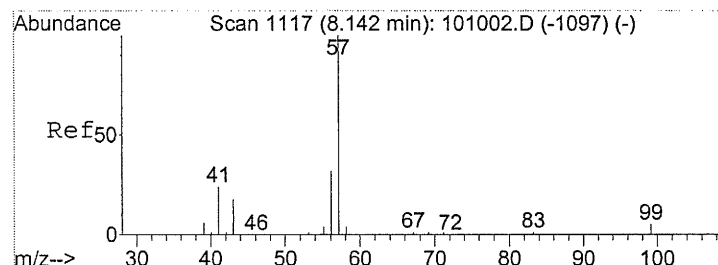
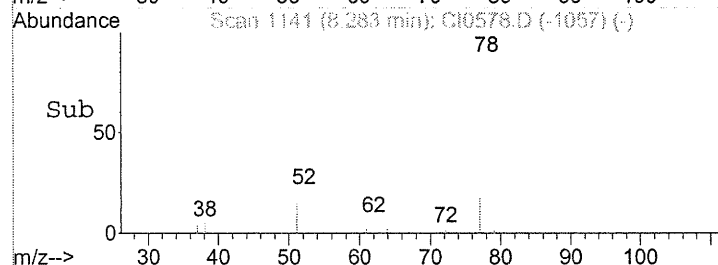
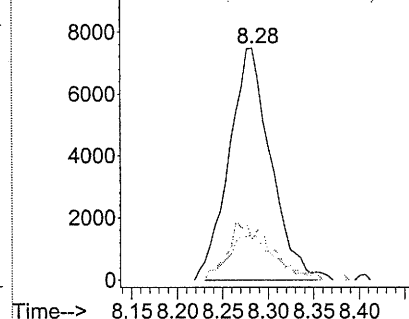
Acq: 26 Sep 2005 3:51

Tgt Ion: 78 Resp: 237754

Ion	Ratio	Lower	Upper
78	100		
77	25.6	18.6	27.8
50	21.8	16.9	25.3



Abundance Ion 78.00 (77.70 to 78.70): CI0
Ion 77.00 (76.70 to 77.70): CI0
Ion 50.00 (49.70 to 50.70): CI0



#40

Isooctane

Concen: 0.69 PPB

RT: 8.45 min Scan# 1170

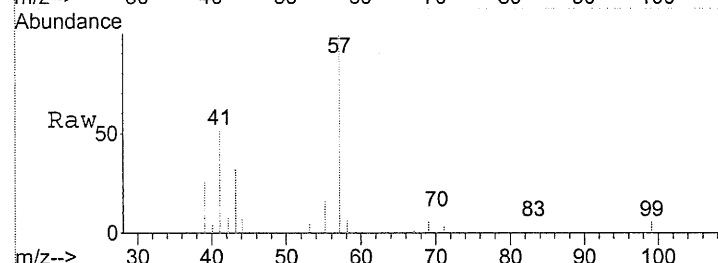
Delta R.T. -0.01 min

Lab File: CI0578.D

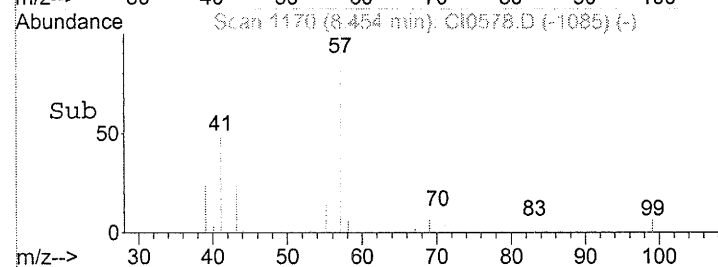
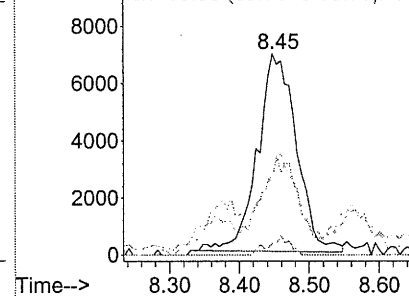
Acq: 26 Sep 2005 3:51

Tgt Ion: 57 Resp: 266589

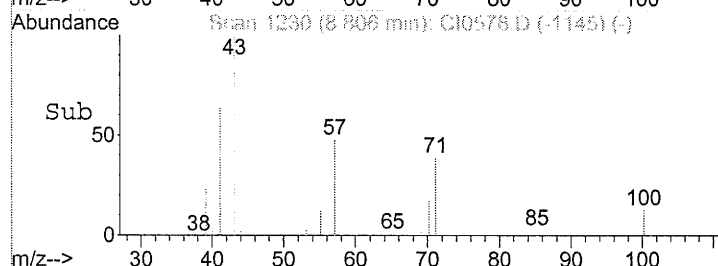
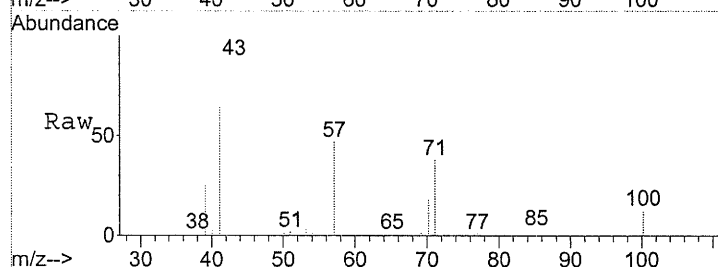
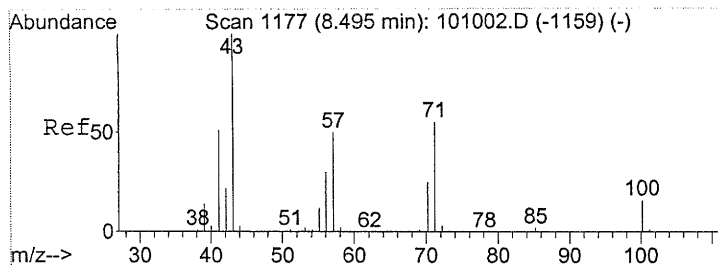
Ion	Ratio	Lower	Upper
57	100		
41	0.0	18.7	28.1#
56	51.8	25.7	38.5#
99	0.0	3.5	5.3#



Abundance Ion 57.00 (56.70 to 57.70): CI0
Ion 41.00 (40.70 to 41.70): CI0
Ion 56.00 (55.70 to 56.70): CI0
Ion 99.00 (98.70 to 99.70): CI0

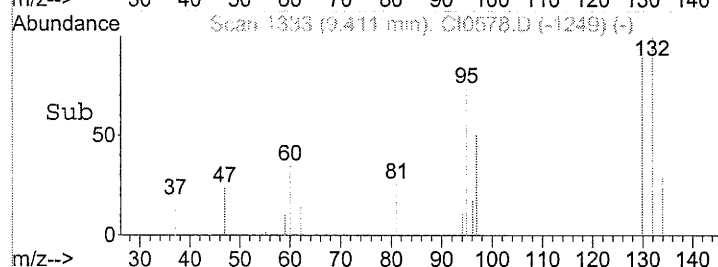
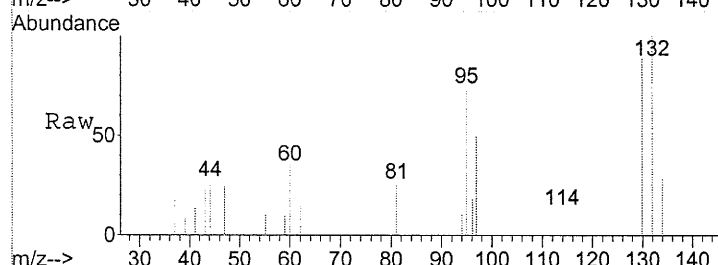
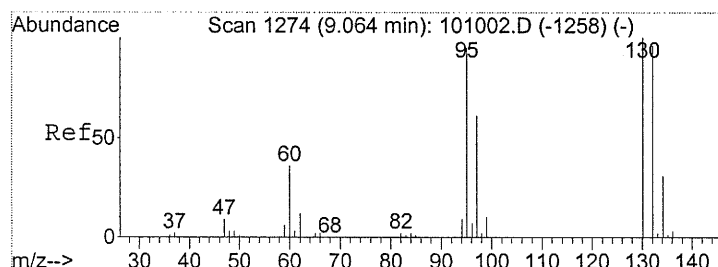
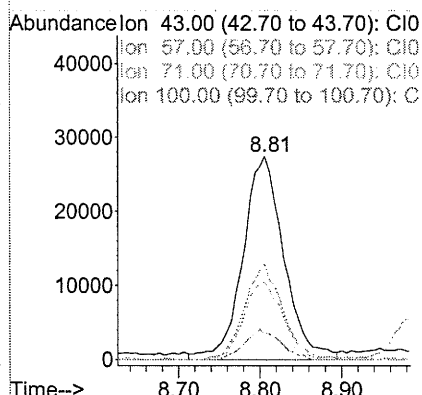


0077



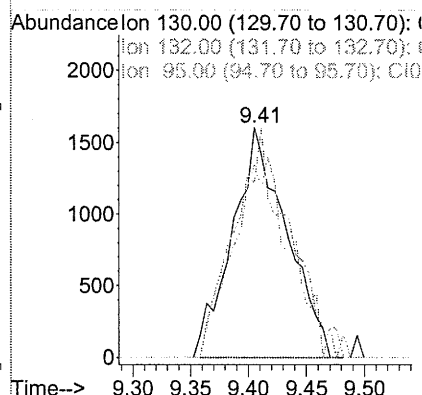
#41
Heptane
Concen: 5.66 PPB m
RT: 8.81 min Scan# 1230
Delta R.T. -0.00 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 43 Resp: 958968
Ion Ratio Lower Upper
43 100
57 43.2 39.4 59.2
71 37.2 30.1 45.1
100 13.0 11.7 17.5

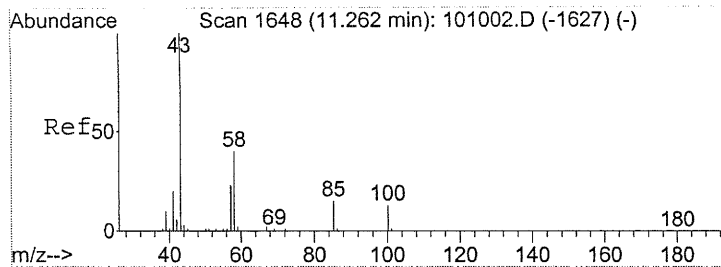


#42
Trichloroethene
Concen: 0.29 PPB
RT: 9.41 min Scan# 1333
Delta R.T. -0.01 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 130 Resp: 51779
Ion Ratio Lower Upper
130 100
132 101.5 77.6 116.4
95 94.0 67.4 101.2

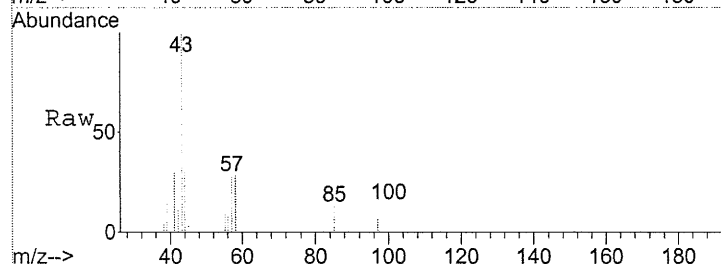


0078

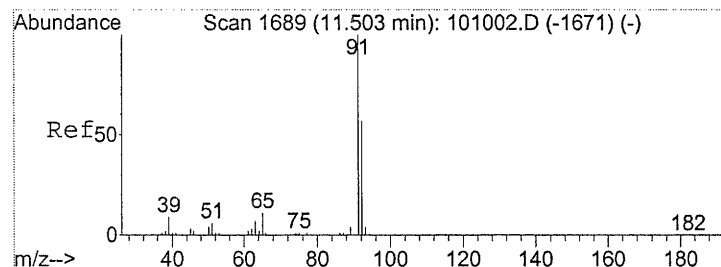
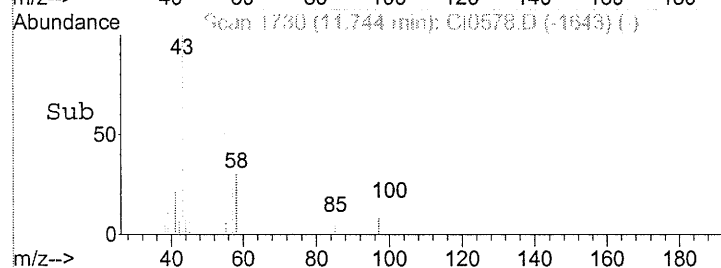
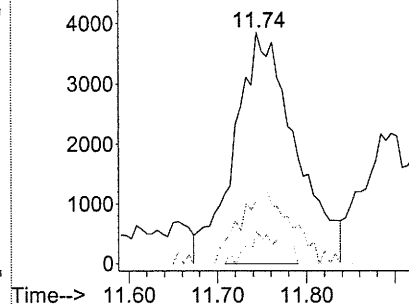


#50
4-Methyl-2-Pentanone
Concen: 0.60 PPB m
RT: 11.74 min Scan# 1730
Delta R.T. 0.01 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 43 Resp: 182607
Ion Ratio Lower Upper
43 100
58 27.1 30.8 46.2#
100 0.0 9.9 14.9#

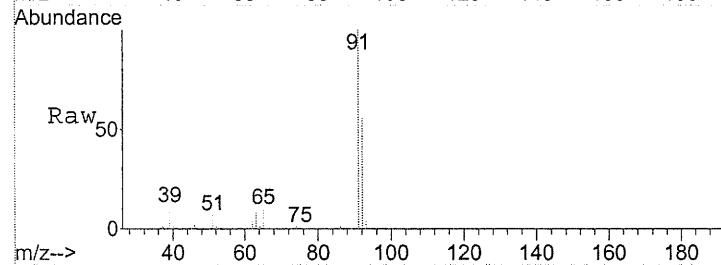


Abundance Ion 43.00 (42.70 to 43.70): ClO
Ion 58.00 (57.70 to 58.70): ClO
Ion 100.00 (99.70 to 100.70): C

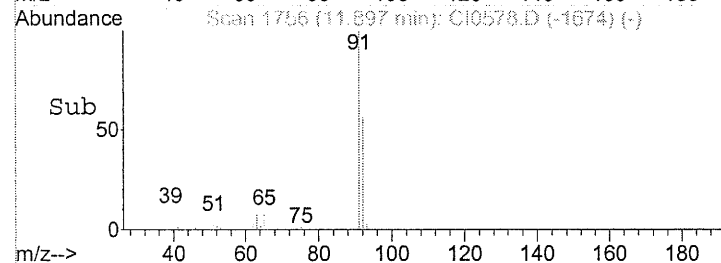
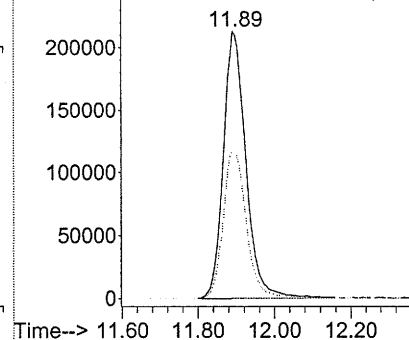


#52
Toluene
Concen: 17.42 PPB
RT: 11.90 min Scan# 1756
Delta R.T. -0.02 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

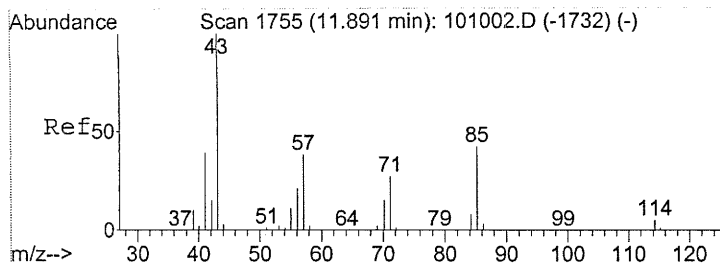
Tgt Ion: 91 Resp: 8598406
Ion Ratio Lower Upper
91 100
92 56.4 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): ClO
Ion 92.00 (91.70 to 92.70): ClO

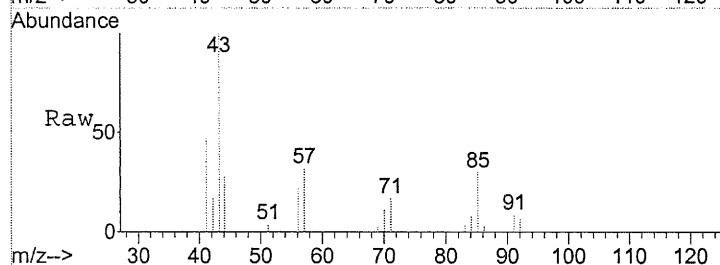


0079



#53
Octane
Concen: 0.56 PPB m
RT: 12.26 min Scan# 1818
Delta R.T. -0.01 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 43 Resp: 200873
Ion Ratio Lower Upper
43 100
57 35.1 32.2 48.4
85 29.6 28.1 42.1

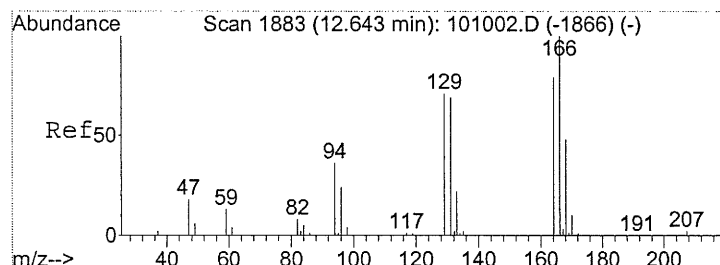
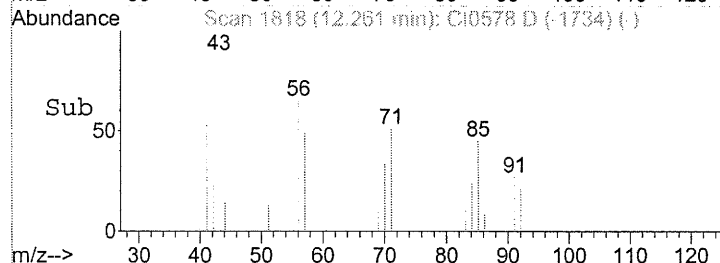
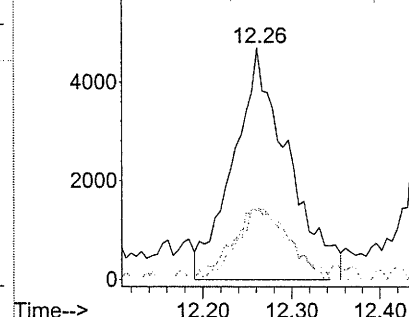


Abundance

Ion 43.00 (42.70 to 43.70): ClO

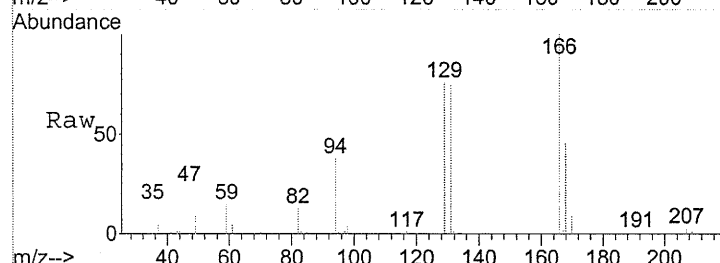
Ion 57.00 (56.70 to 57.70): ClO

Ion 85.00 (84.70 to 85.70): ClO



#57
Tetrachloroethene
Concen: 13.25 PPB
RT: 13.04 min Scan# 1951
Delta R.T. -0.00 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 166 Resp: 4210179
Ion Ratio Lower Upper
166 100
164 79.2 63.2 94.8
131 76.6 59.0 88.4

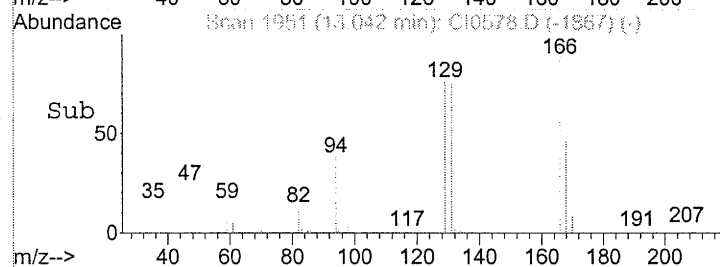
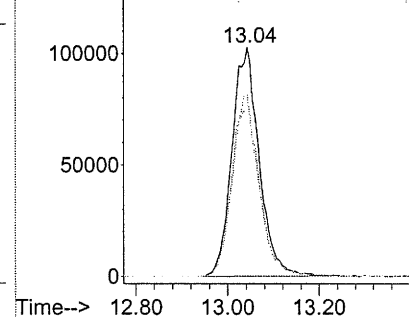


Abundance

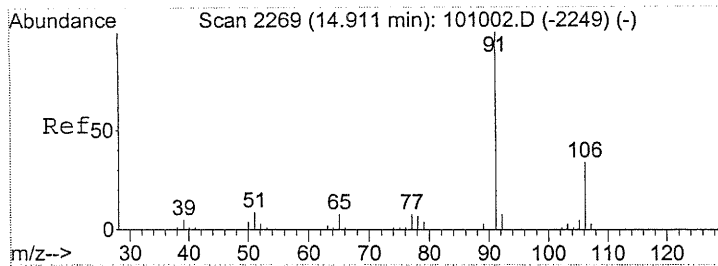
Ion 166.00 (165.70 to 166.70): Cl

Ion 164.00 (163.70 to 164.70): Cl

Ion 131.00 (130.70 to 131.70): Cl

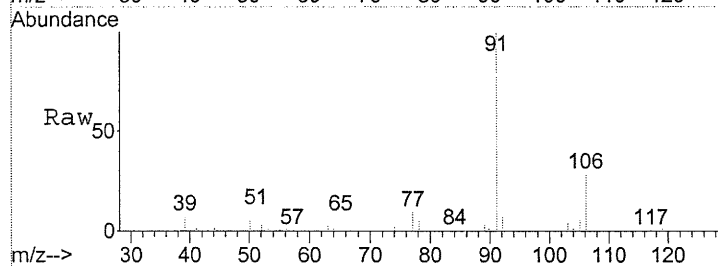


0000

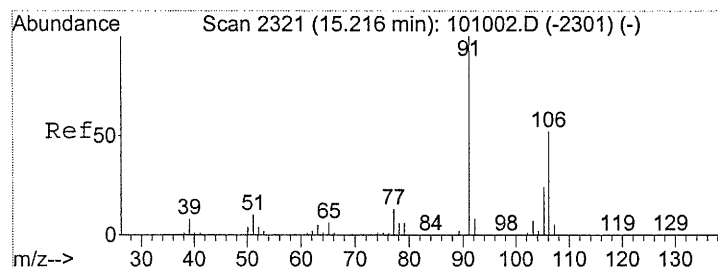
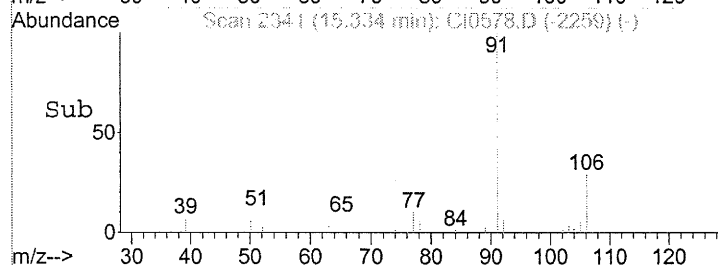
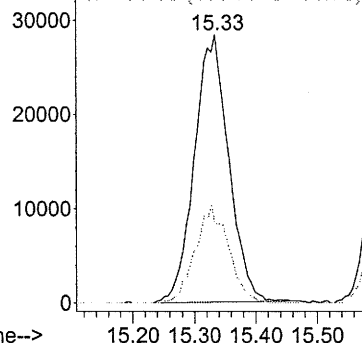


#63
Ethylbenzene
Concen: 2.83 PPB
RT: 15.33 min Scan# 2341
Delta R.T. -0.02 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 91 Resp: 1104296
Ion Ratio Lower Upper
91 100
106 35.5 27.7 41.5

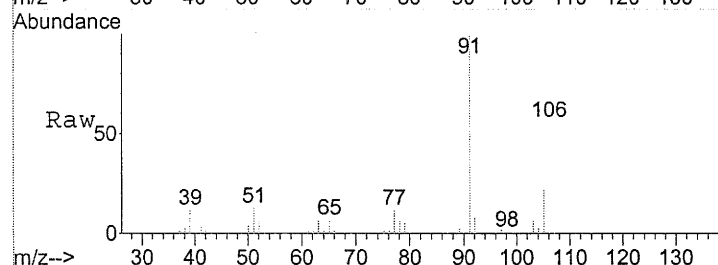


Abundance Ion 91.00 (90.70 to 91.70): CI0
Ion 106.00 (105.70 to 106.70):

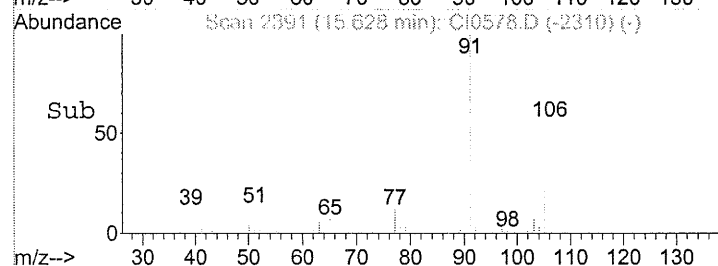
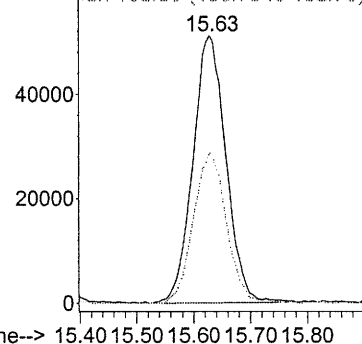


#64
m/p-Xylene
Concen: 6.50 PPB
RT: 15.63 min Scan# 2391
Delta R.T. -0.02 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

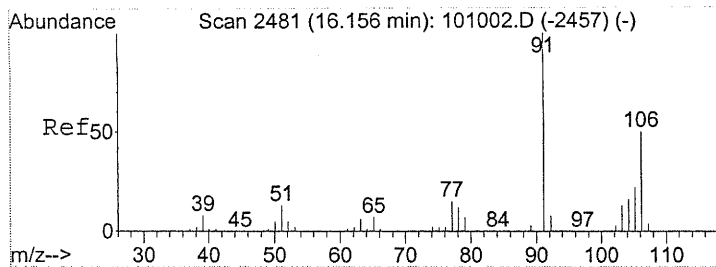
Tgt Ion: 91 Resp: 2080665
Ion Ratio Lower Upper
91 100
106 56.5 43.1 64.7



Abundance Ion 91.00 (90.70 to 91.70): CI0
Ion 106.00 (105.70 to 106.70):

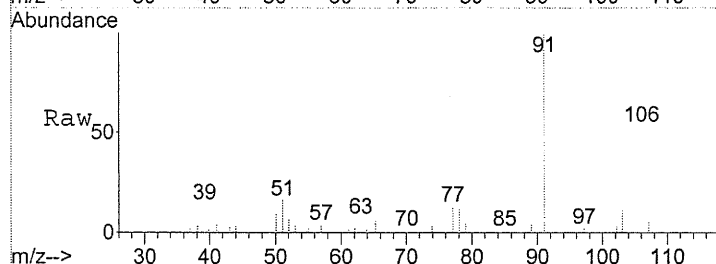


0001

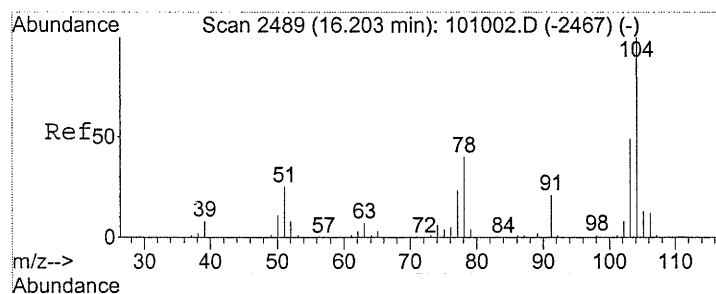
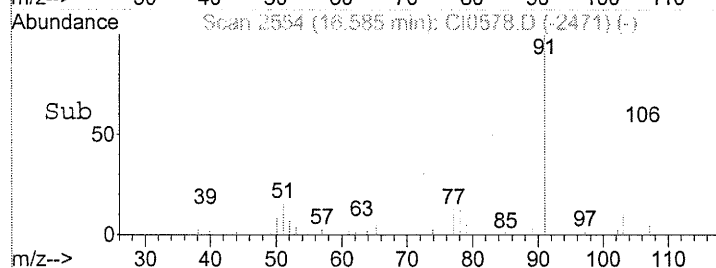
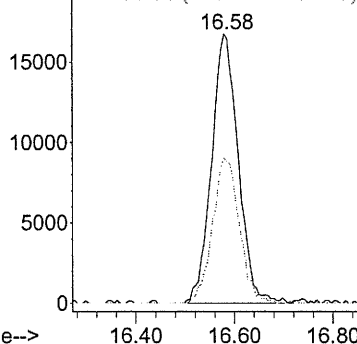


#65
o-Xylene
Concen: 2.01 PPB
RT: 16.58 min Scan# 2554
Delta R.T. -0.02 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 91 Resp: 631254
Ion Ratio Lower Upper
91 100
106 54.6 41.1 61.7

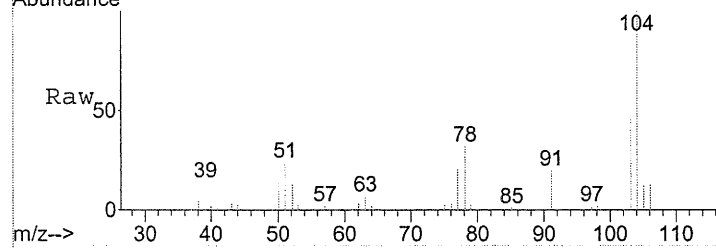


Abundance Ion 91.00 (90.70 to 91.70): CI0
Ion 106.00 (105.70 to 106.70):

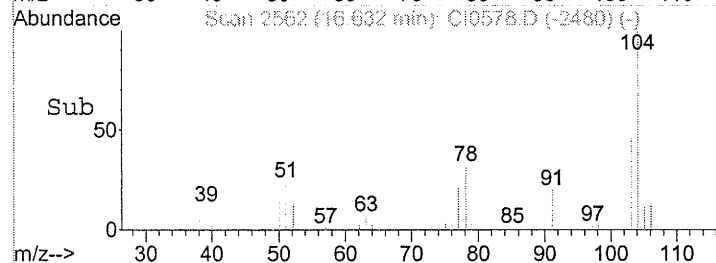
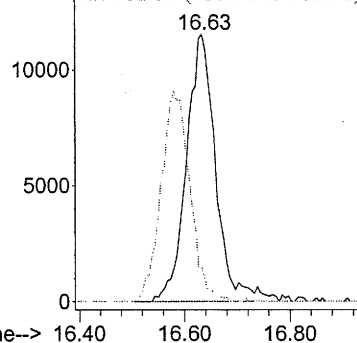


#66
Styrene
Concen: 1.73 PPB
RT: 16.63 min Scan# 2562
Delta R.T. -0.01 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

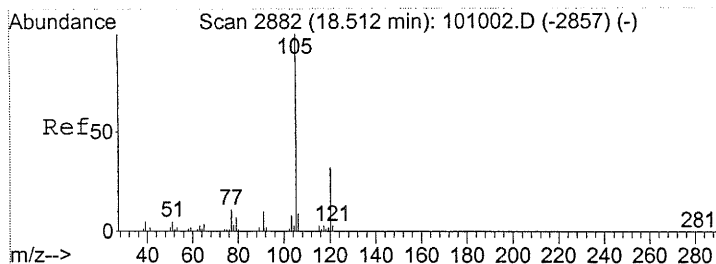
Tgt Ion: 104 Resp: 447583
Ion Ratio Lower Upper
104 100
106 0.0 0.0 0.0



Abundance Ion 104.00 (103.70 to 104.70): CI0
Ion 106.00 (105.70 to 106.70):

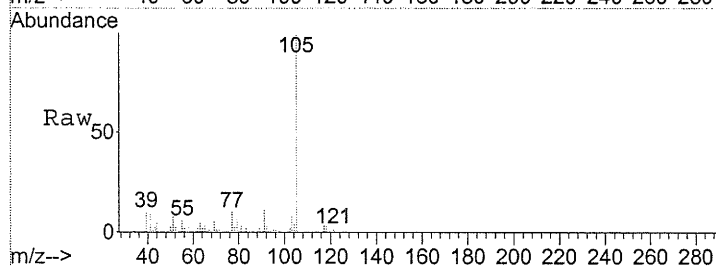


0002

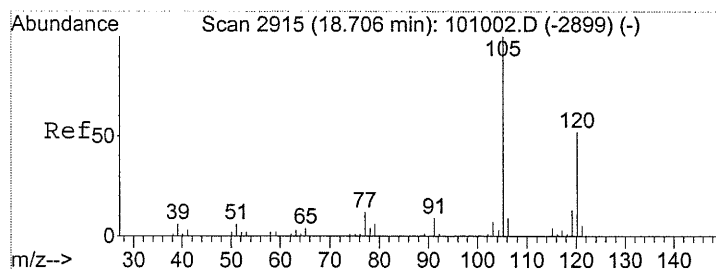
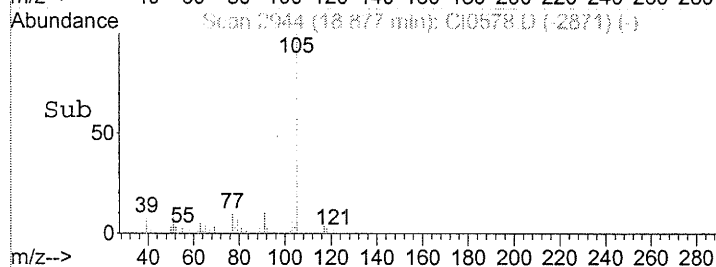
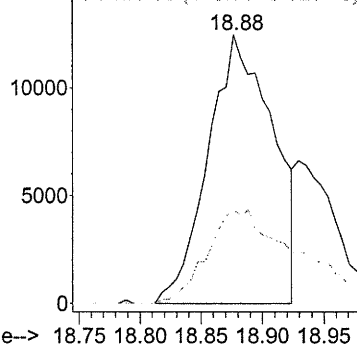


#72
4-Ethyltoluene
Concen: 0.95 PPB m
RT: 18.88 min Scan# 2944
Delta R.T. -0.07 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

Tgt Ion: 105 Resp: 466323
Ion Ratio Lower Upper
105 100
120 0.0 25.8 38.6#

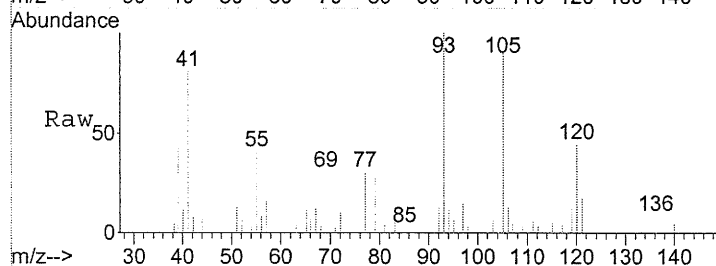


Abundance Ion 105.00 (104.70 to 105.70): (

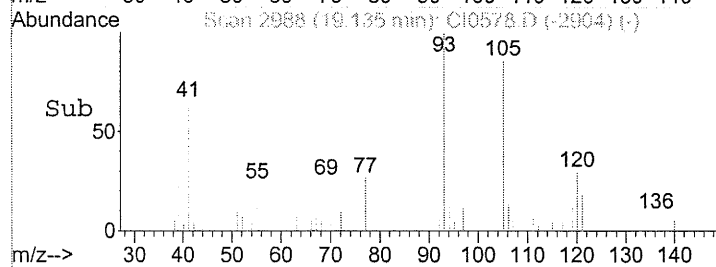
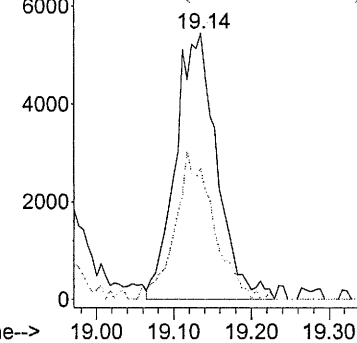


#73
1,3,5-Trimethylbenzene
Concen: 0.48 PPB
RT: 19.13 min Scan# 2988
Delta R.T. -0.01 min
Lab File: CI0578.D
Acq: 26 Sep 2005 3:51

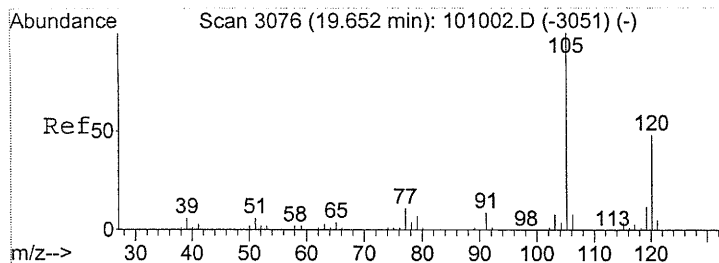
Tgt Ion: 105 Resp: 203827
Ion Ratio Lower Upper
105 100
120 50.6 42.2 63.4



Abundance Ion 105.00 (104.70 to 105.70): (

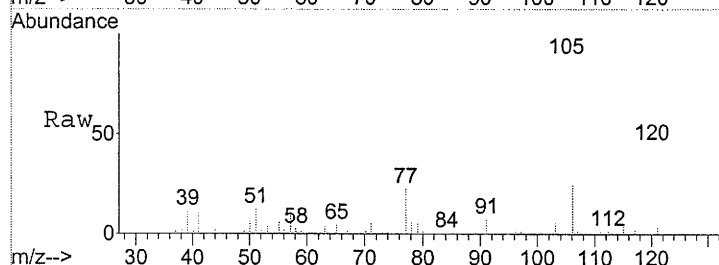


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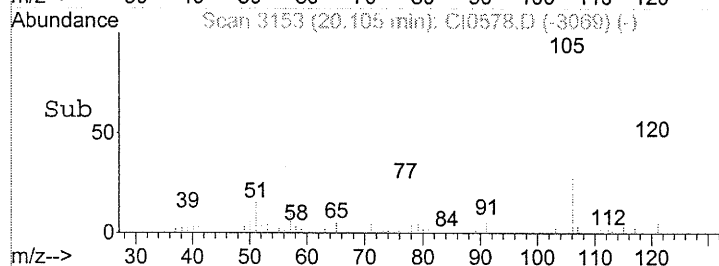
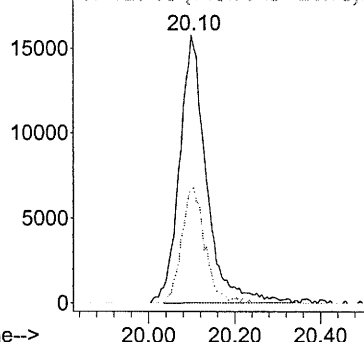


#75
 1,2,4-Trimethylbenzene
 Concen: 1.57 PPB
 RT: 20.10 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: CI0578.D
 Acq: 26 Sep 2005 3:51

Tgt Ion:105 Resp: 679192
 Ion Ratio Lower Upper
 105 100
 120 37.6 40.5 60.7#



Abundance Ion 105.00 (104.70 to 105.70): (



8884

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

Sample No.: 1STLO Date Collected: 09/09/05 Date Received: 09/20/05
Lab Sample ID: 4600661 Date Analyzed: 09/26/05 Time Analyzed: 05:06
Canister ID: SUMMA0043 Pressure Rec'd: 9.1 psia Final Pressure: 27.2 psia
Injection Volume: 750 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP09464 ²¹⁹⁶ Lab File ID: C:\MSDCHEM\1\DATA\SEP25\CI0580.D
10-14-05

CAS RN	COMPOUND NAME	CONCENTRATION	UNITS: MDL ug/m3	Q
75-71-8	Dichlorodifluoromethane	3		J
76-14-2	Freon 114	4		J
74-87-3	Chloromethane	1		J
75-01-4	Vinyl Chloride	2		J
74-83-9	Bromomethane	0.8		U
75-00-3	Chloroethane	0.5		U
75-69-4	Trichlorofluoromethane	1		J
75-35-4	1,1-Dichloroethene	0.8		U
76-13-1	Freon 113	4		U
107-05-1	3-Chloropropene	2		U
75-09-2	Methylene Chloride	2		U
75-34-3	1,1-Dichloroethane	0.8		U
156-59-2	cis-1,2-Dichloroethene	22		
67-66-3	Chloroform	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
107-06-2	1,2-Dichloroethane	6		
71-43-2	Benzene	1		J
79-01-6	Trichloroethene	4		J
78-87-5	1,2-Dichloropropane	0.9		U
10061-01-5	cis-1,3-Dichloropropene	0.9		U
108-88-3	Toluene	49		
10061-02-6	trans-1,3-Dichloropropene	0.9		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	380		
106-93-4	1,2-Dibromoethane	2		U
108-90-7	Chlorobenzene	0.9		U
100-41-4	Ethylbenzene	8		
1330-20-7	m/p-Xylene	18		
95-47-6	o-Xylene	6		
100-42-5	Styrene	6		
79-34-5	1,1,2,2-Tetrachloroethane	1		U
622-96-8	4-Ethyltoluene	4		J
108-67-8	1,3,5-Trimethylbenzene	2		J

U = Compound was undetected at the specified limit of quantitation.

B = Compound was found in method blank. D = analysis of diluted sample.

J = Compound was detected, but below the limit of quantitation.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

Sample No.: 1STLO Date Collected: 09/09/05 Date Received: 09/20/05
Lab Sample ID: 4600661 Date Analyzed: 09/26/05 Time Analyzed: 05:06
Canister ID: SUMMA0043 Pressure Rec'd: 9.1 psia Final Pressure: 27.2 psia
Injection Volume: 750 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP09464 ^{2/14/05} Lab File ID: C:\MSDCHEM\1\DATA\SEP25\CI0580.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene	8	
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
95-50-1	1,2-Dichlorobenzene	3	U
120-82-1	1,2,4-Trichlorobenzene	7	U

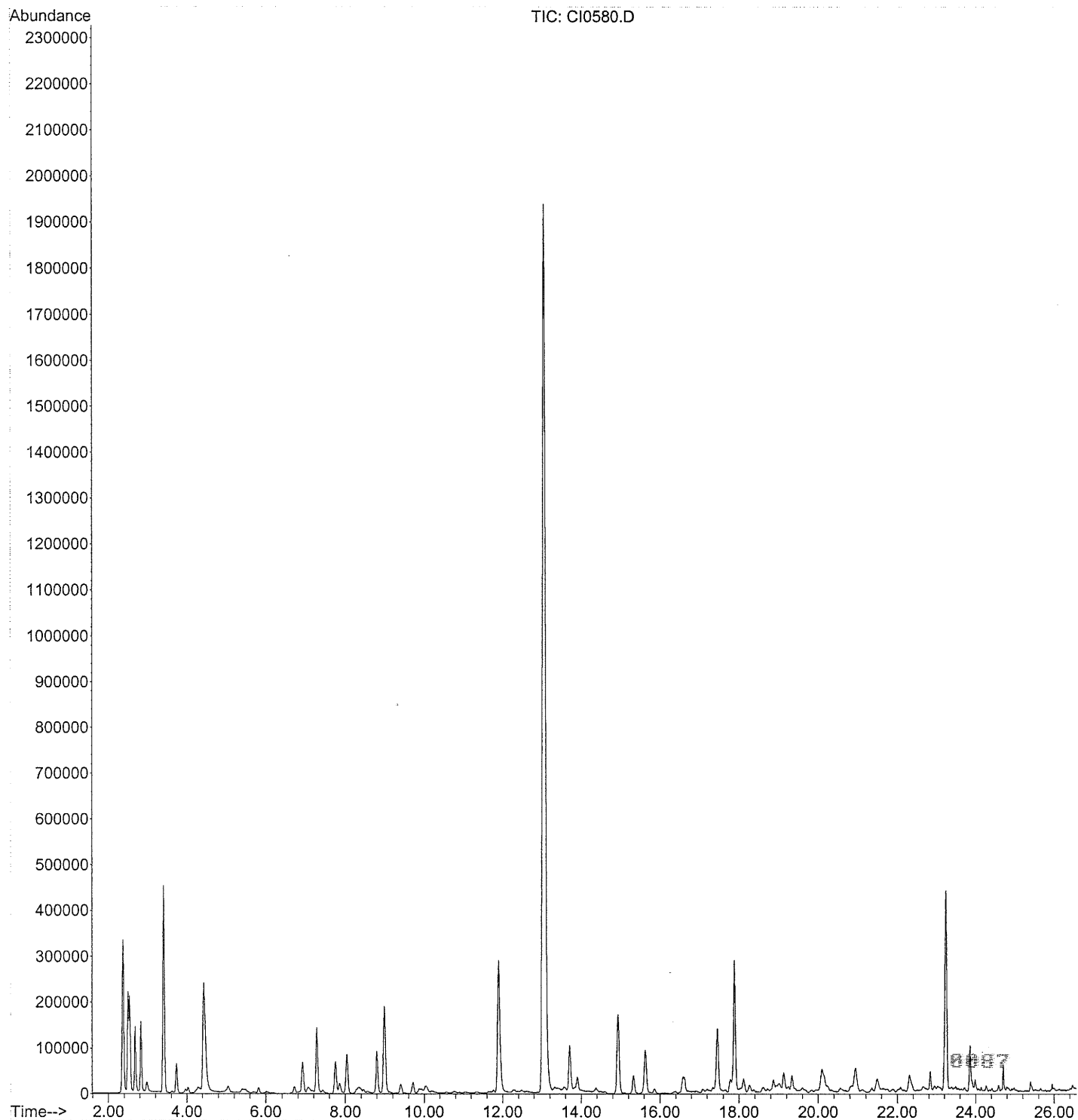
U = Compound was undetected at the specified limit of quantitation.

B = Compound was found in method blank. D = analysis of diluted sample.

J = Compound was detected, but below the limit of quantitation.

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 27 21:10:17 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\SEP25\
 Data File : CI0580.D
 Acq On : 26 Sep 2005 5:06
 Operator : JBS
 Sample : 4600661 750CC
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 27 21:10:17 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 QLast Update : Mon Sep 26 08:28:19 2005
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.28	130	922402	10.000		0.00
37) 1,4-Difluorobenzene	8.99	114	3273910	10.000		-0.01
51) Chlorobenzene d5	14.94	117	2410652	10.000		-0.01

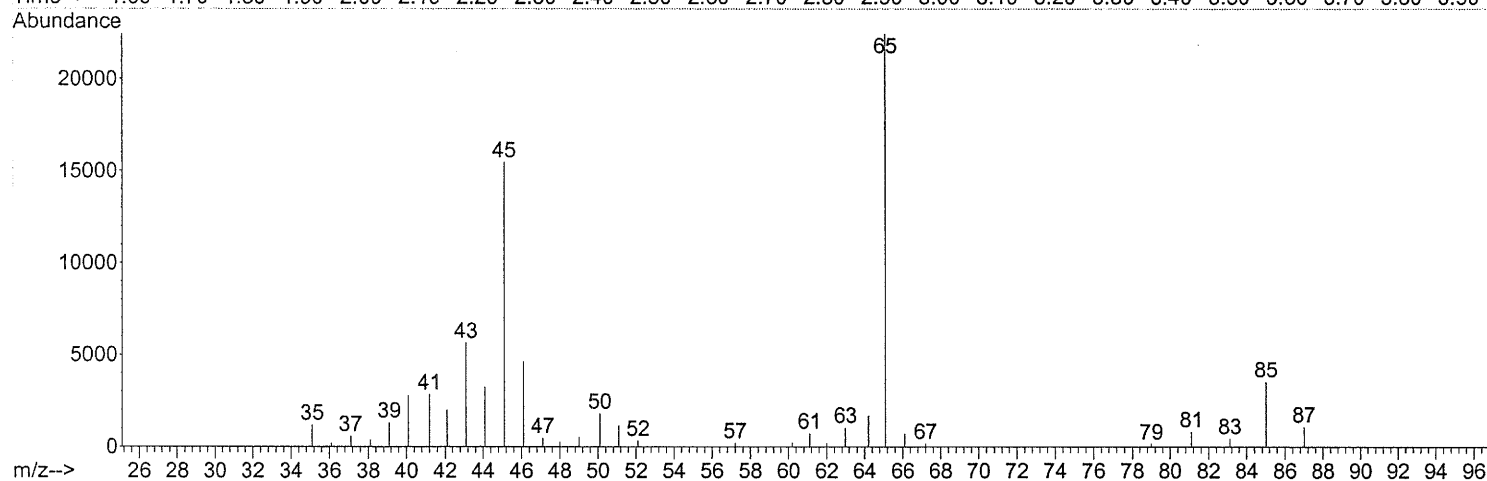
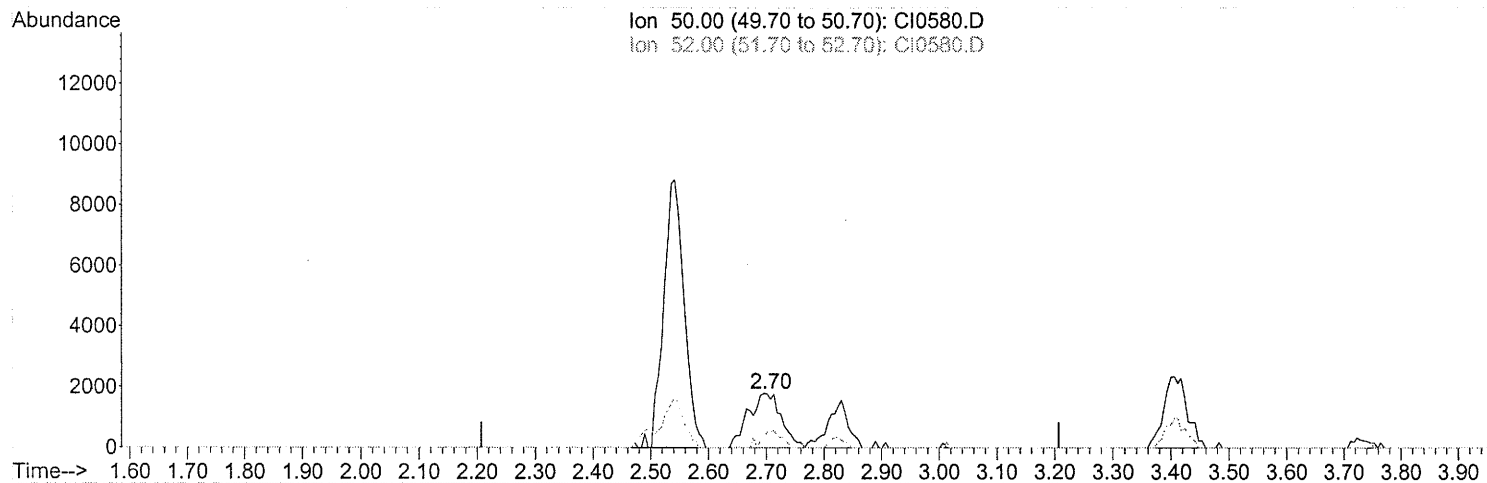
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propene	2.50	41	453886	5.362	PPB	# 42
3) Dichlorodifluoromethane	2.53	85	138002	0.571	PPB	95
4) Chlorodifluoromethane	2.54	51	4167900	25.778	PPB	94
5) Freon 114	2.68	85	145804	0.543	PPB	# 9
6) Chloromethane	2.70	50	70507m	0.565	PPB	
7) Vinyl Chloride	2.84	62	68715	0.756	PPB	# 44
12) Trichlorofluoromethane	3.62	101	55270	0.200	PPB	100
13) Pentane	3.74	43	664446	3.533	PPB	97
14) Acrolein	4.21	56	25337m	1.005	PPB	
17) Acetone	4.44	43	7662540	55.608	PPB	# 86
22) Methylene Chloride	5.00	84	24288m	0.335	PPB	
23) tert-Butyl Alcohol	6.04	59	166848m	1.042	PPB	
27) Hexane	5.83	57	87886	0.629	PPB	# 86
30) cis-1,2-Dichloroethene	6.92	61	608691	5.425	PPB	# 81
31) 2-Butanone	7.07	72	87201	2.997	PPB	# 86
38) 1,2-Dichloroethane	8.34	62	150319	1.355	PPB	95
39) Benzene	8.28	78	110224	0.464	PPB	# 84
40) Isooctane	8.45	57	85220m	0.205	PPB	
41) Heptane	8.81	43	790816m	4.338	PPB	
42) Trichloroethene	9.41	130	146295	0.754	PPB	90
50) 4-Methyl-2-Pentanone	11.76	43	119630m	0.365	PPB	
52) Toluene	11.90	91	5497983	12.925	PPB	97
53) Octane	12.30	43	137086m	0.442	PPB	
57) Tetrachloroethene	13.06	166	15327671	55.943	PPB	98
58) 2-Hexanone	13.57	43	87385m	0.275	PPB	
63) Ethylbenzene	15.33	91	609949	1.816	PPB	99
64) m/p-Xylene	15.63	91	1141662	4.135	PPB	95
65) o-Xylene	16.59	91	367957	1.359	PPB	96
66) Styrene	16.64	104	333993m	1.499	PPB	
72) 4-Ethyltoluene	18.87	105	349745m	0.823	PPB	
73) 1,3,5-Trimethylbenzene	19.12	105	149418	0.406	PPB	98
75) 1,2,4-Trimethylbenzene	20.10	105	574115	1.538	PPB	# 78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

0000

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(6) Chloromethane

2.695min (-0.012) 0.57PPB m

response 70507

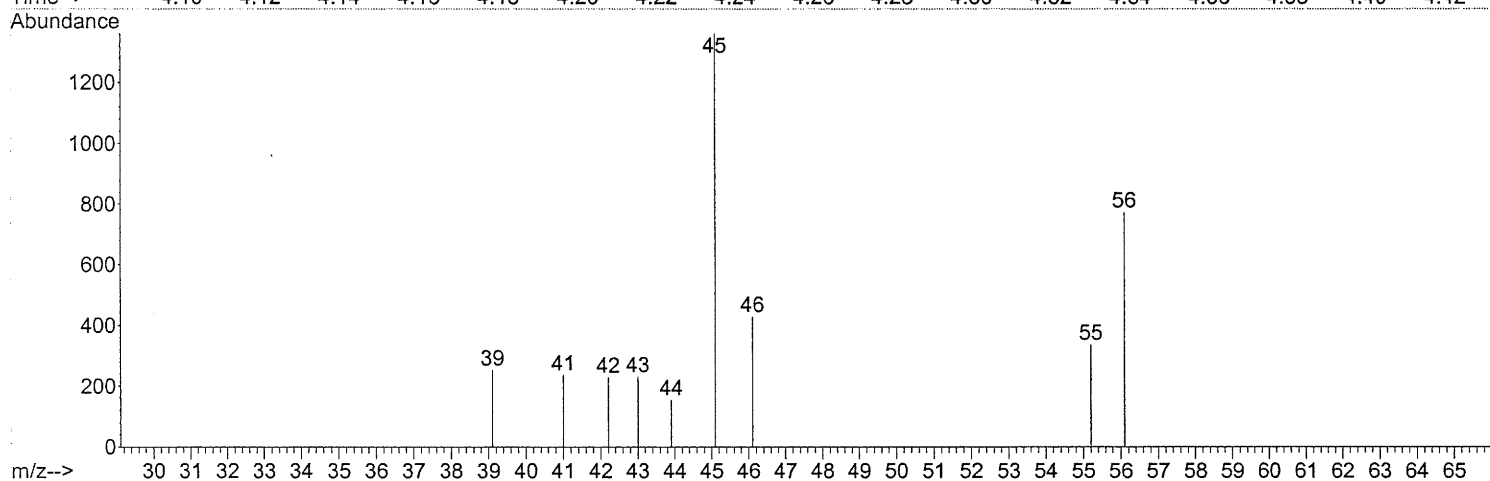
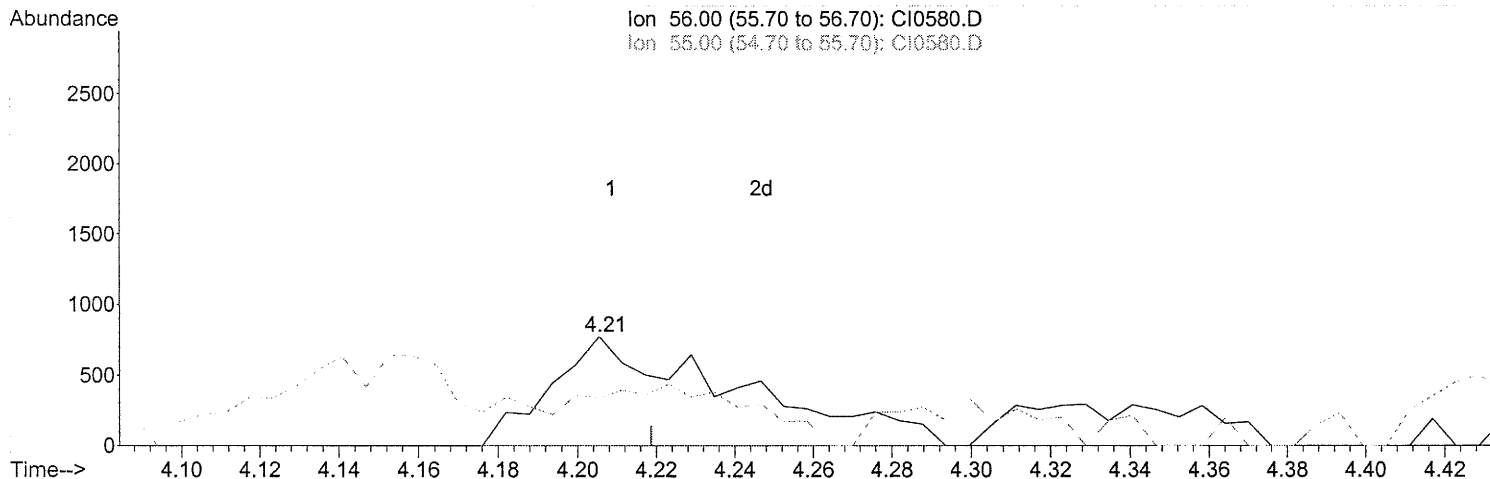
Ion	Exp%	Act%
50.00	100	100
52.00	26.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

*split peak
recovery
9/27/05
from 70507
9/29/05*

0000

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(14) Acrolein

4.205min (-0.013) 1.00PPB m

response 25337

Ion	Exp%	Act%
56.00	100	100
55.00	69.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

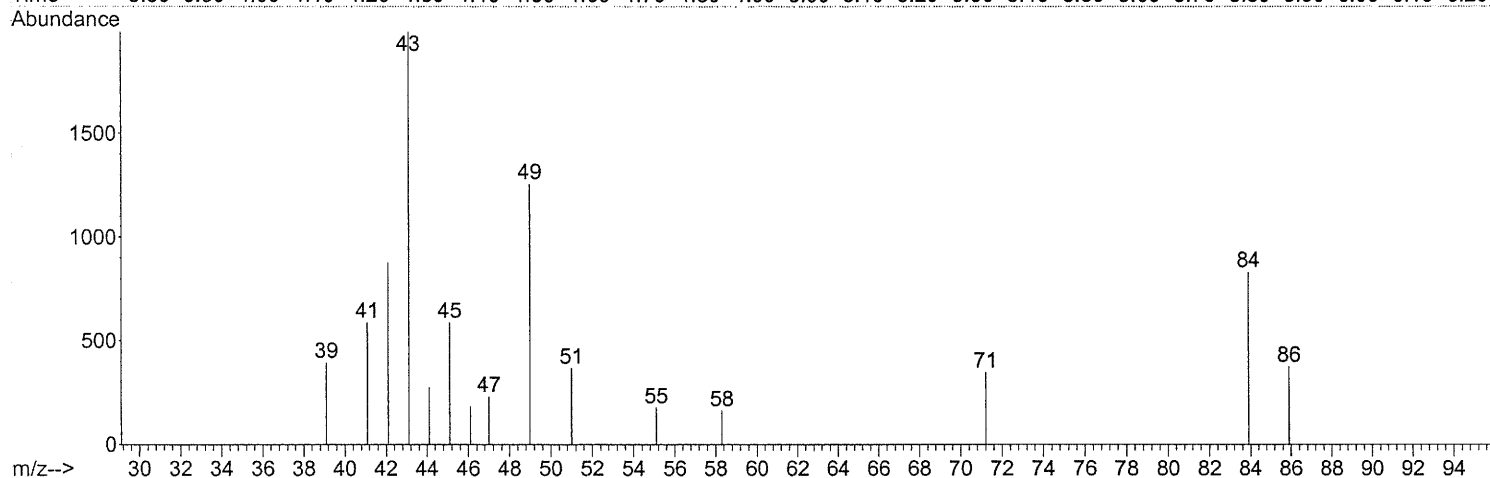
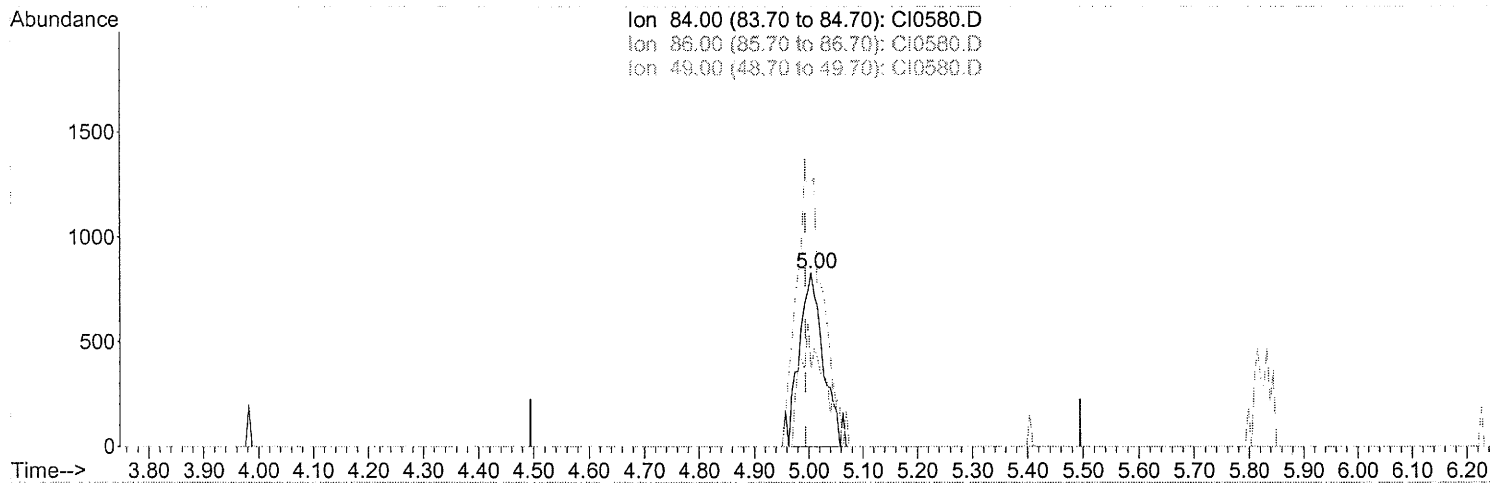
*split peak
not
9/27/05*

*from 753
9/29/05*

8898

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(22) Methylene Chloride

5.005min (+0.010) 0.34PPB m

response 24288

Ion	Exp%	Act%
84.00	100	100
86.00	70.50	0.00#
49.00	194.70	180.11
0.00	0.00	0.00

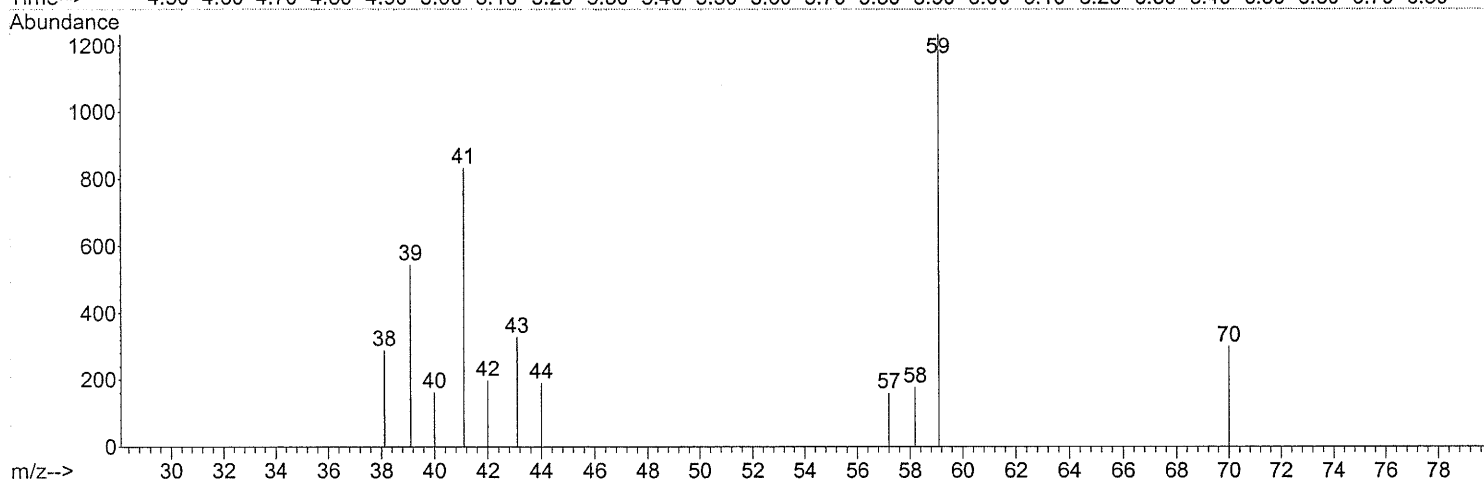
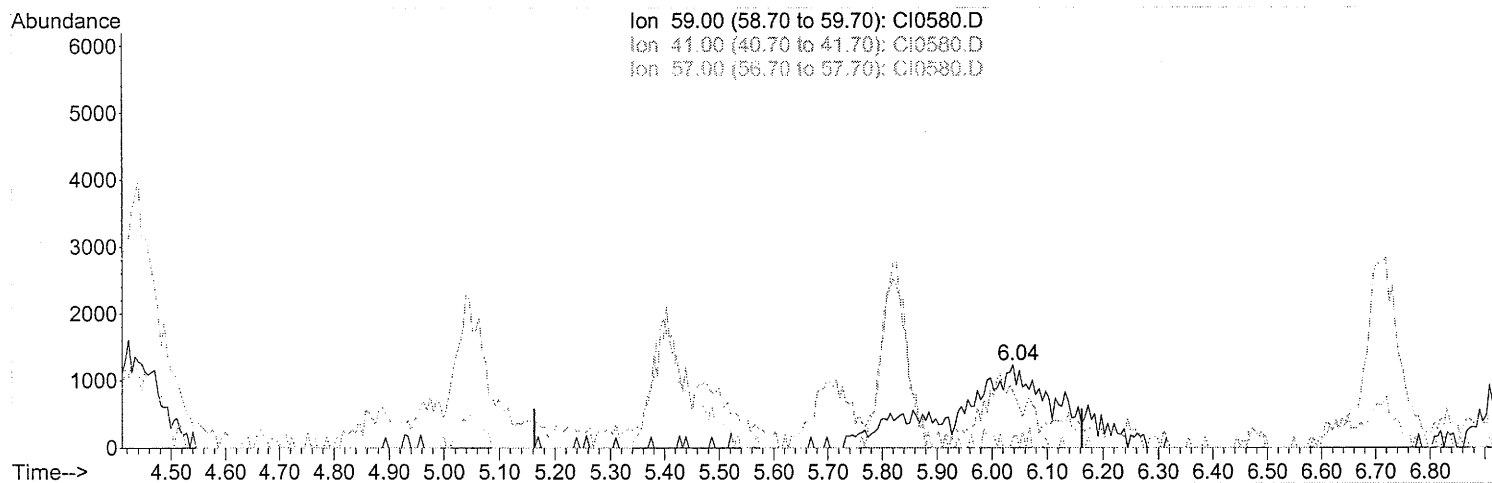
split peak
226114
9/27/05

from 83
9/22/05

0091

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(23) tert-Butyl Alcohol

6.039min (+0.376) 1.04PPB m

response 166848

Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
57.00	0.00	0.00
0.00	0.00	0.00

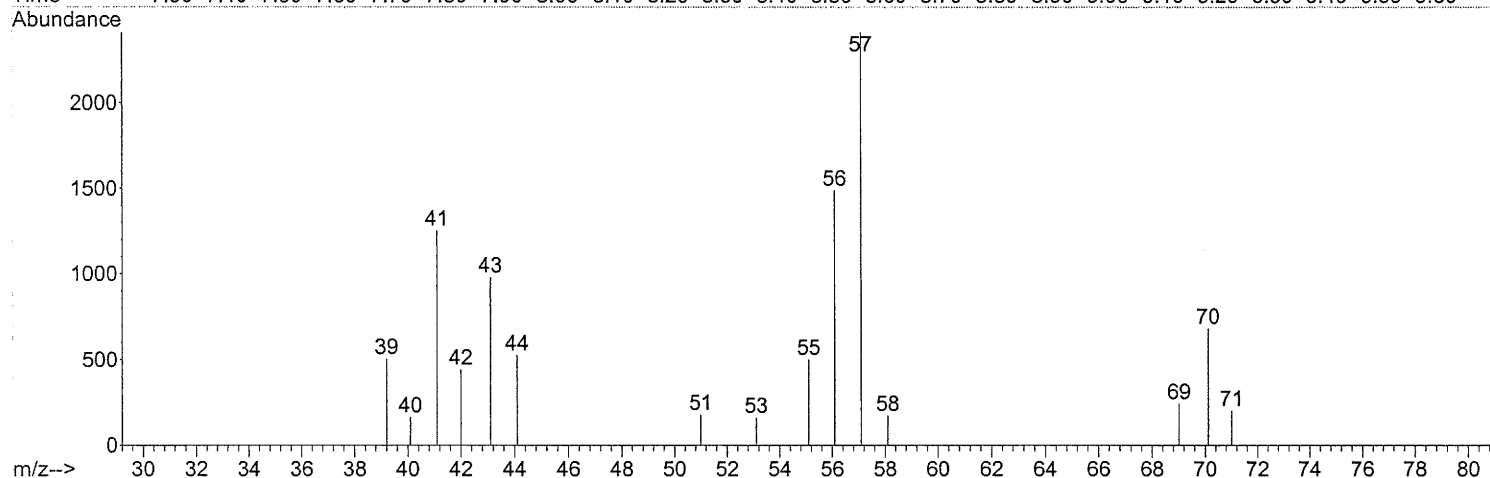
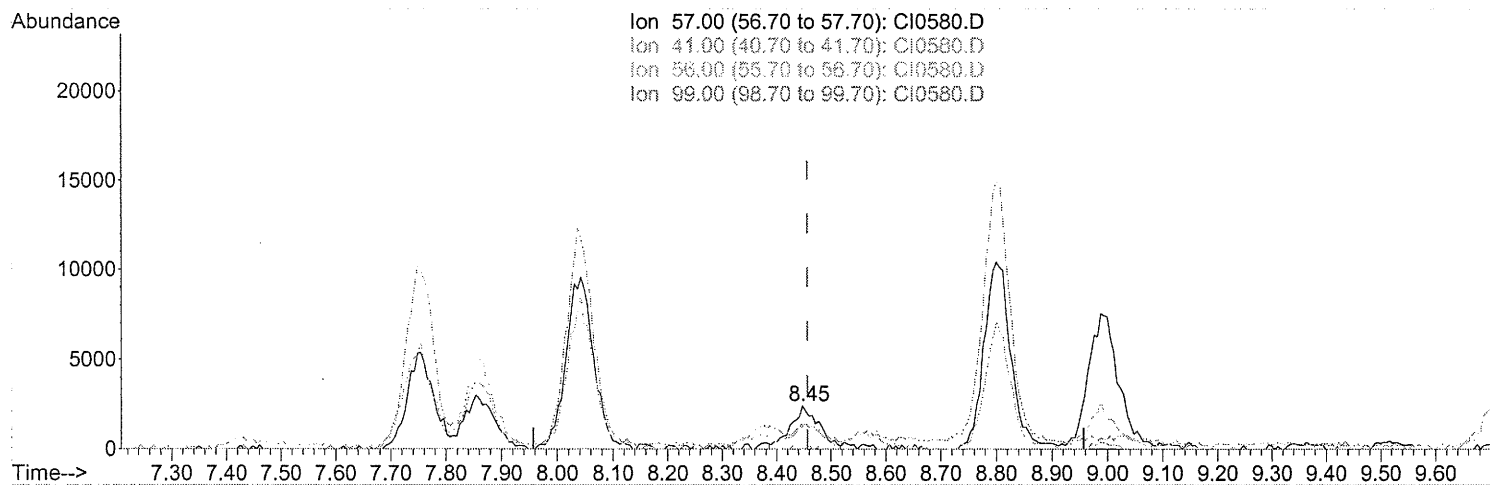
split peak
ready
9/27/05

from 263
9/29/05

0092

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(40) Isooctane

8.448min (-0.009) 0.20PPB m

response 85220

Ion	Exp%	Act%
57.00	100	100
41.00	23.40	0.00#
56.00	32.10	0.00#
99.00	4.40	0.00#

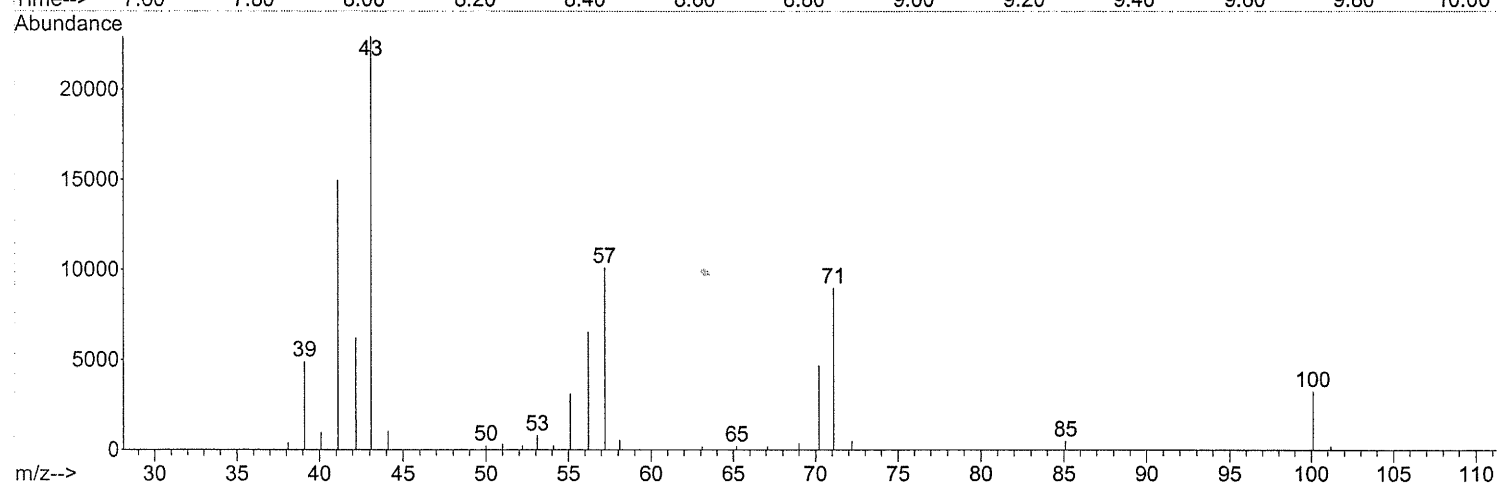
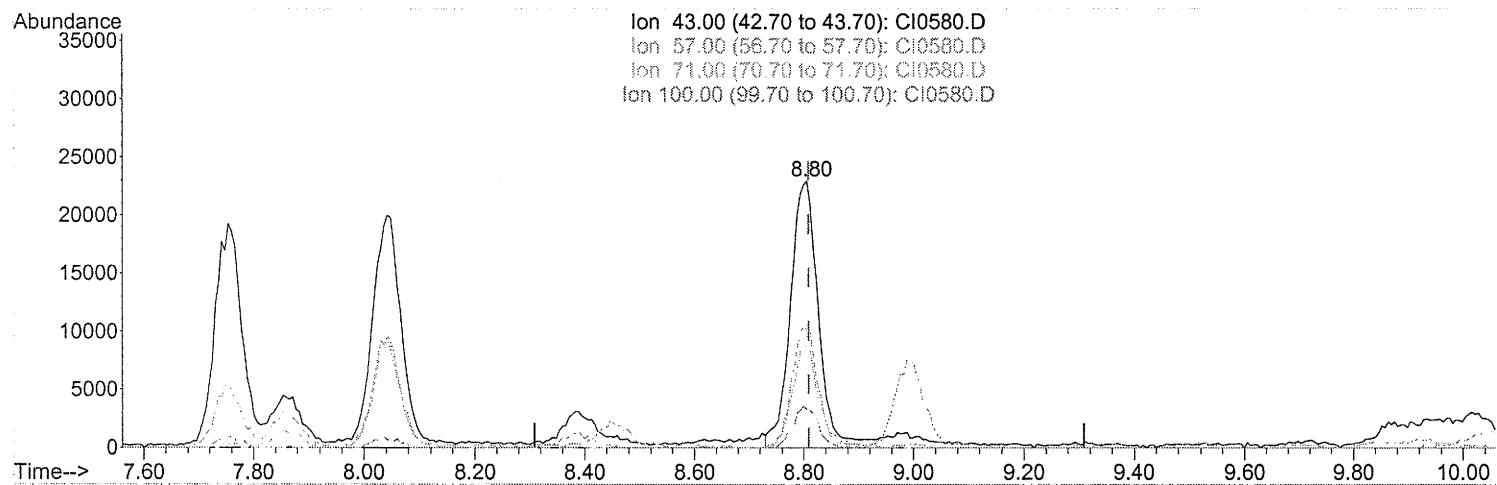
*split peak
8.448
2/27/05*

*from 703
9/22/01*

8093

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(41) Heptane

8.806min (-0.003) 4.34PPB m

response 790816

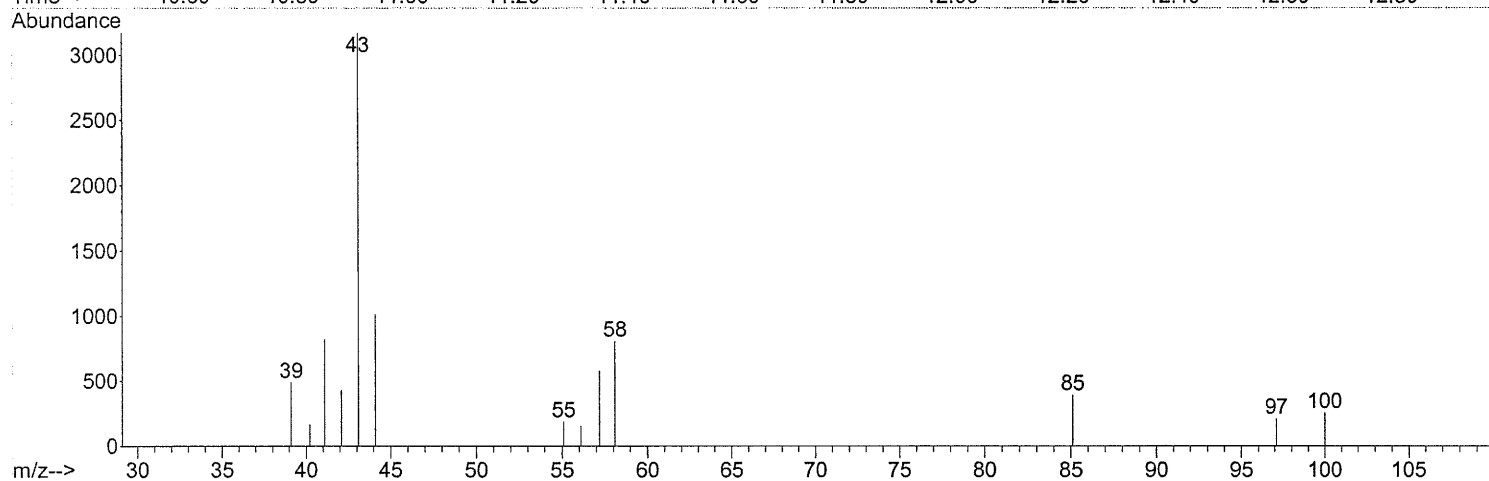
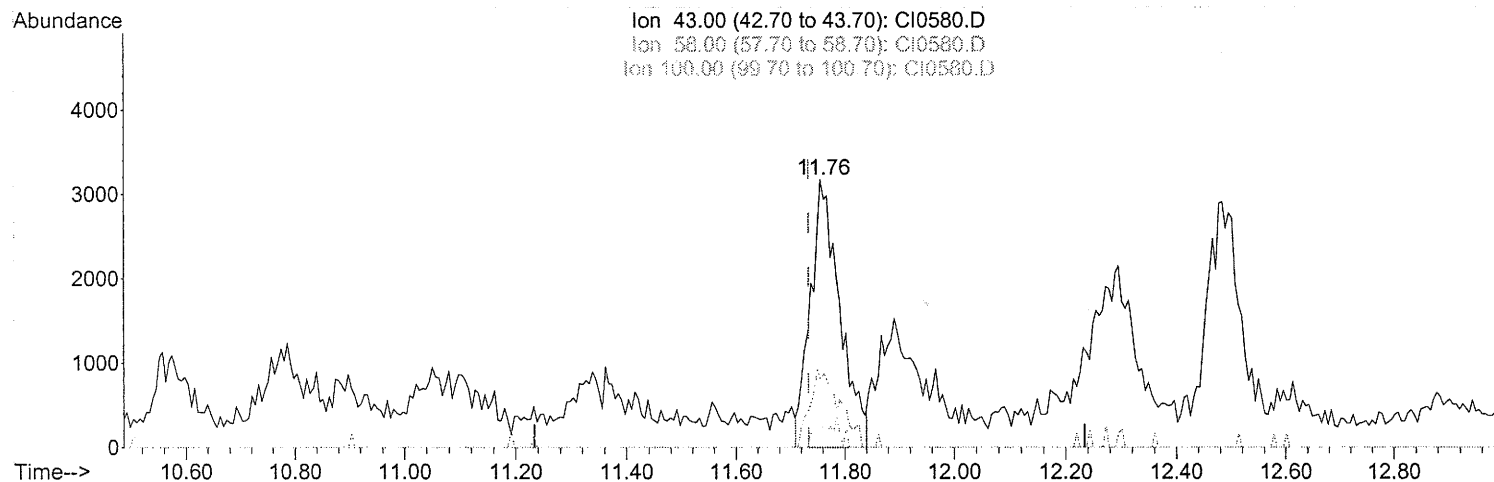
Ion	Exp%	Act%
43.00	100	100
57.00	49.30	43.60
71.00	37.60	36.20
100.00	14.60	14.15

*split peak
recovery
2/27/05
Hm 703
9/14/05*

8894

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(50) 4-Methyl-2-Pentanone

11.756min (+0.022) 0.37PPB m

response 119630

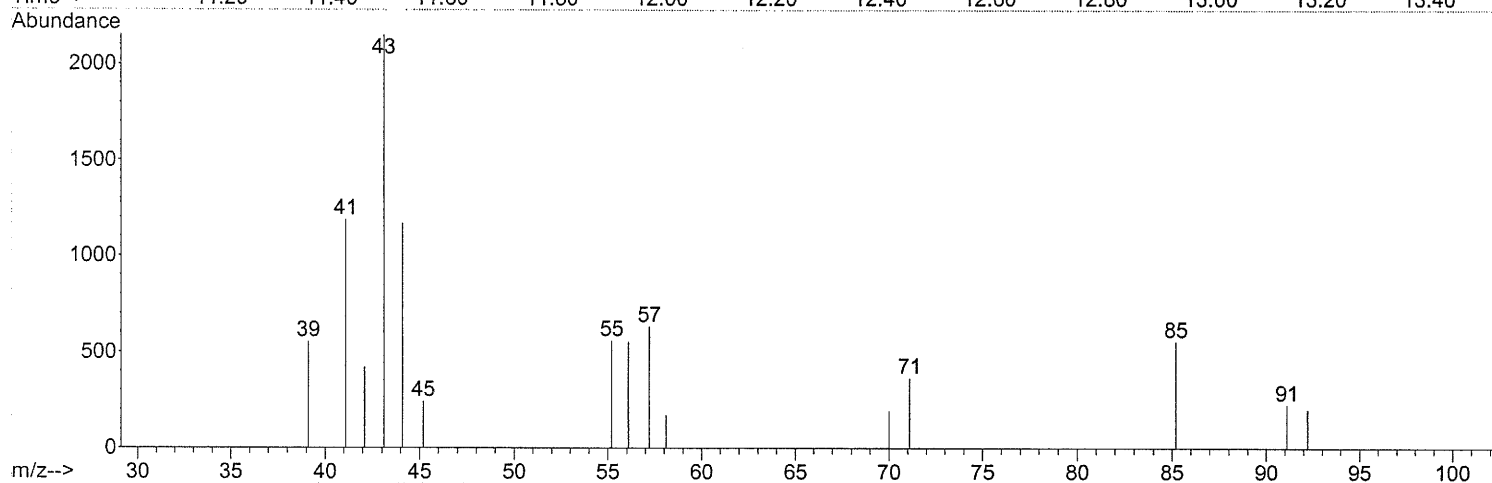
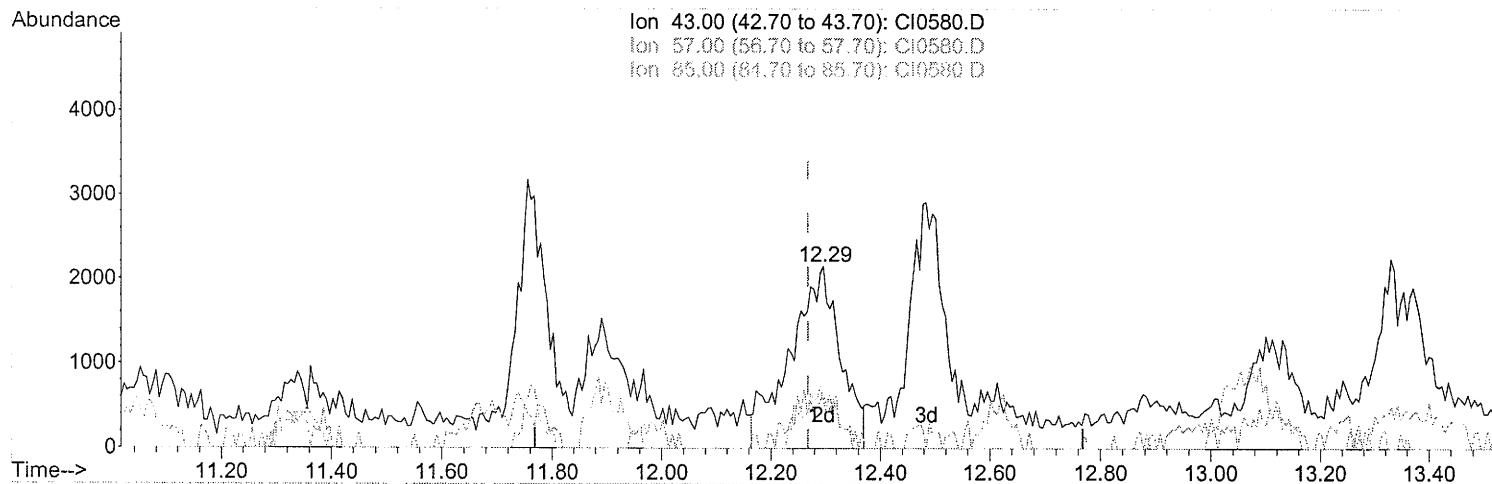
Ion	Exp%	Act%
43.00	100	100
58.00	38.50	29.20#
100.00	12.40	0.00#
0.00	0.00	0.00

*split peak
reducing
9/27/05
from 11.756
9/28/05*

0095

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(53) Octane

12.296min (+0.028) 0.44PPB m

response 137086

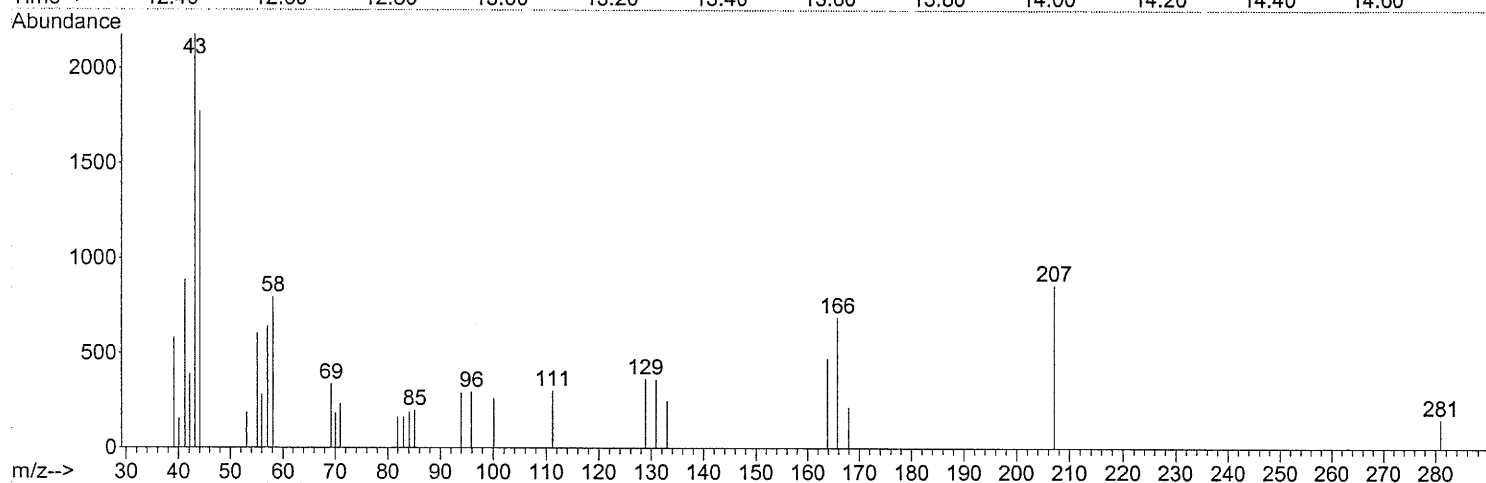
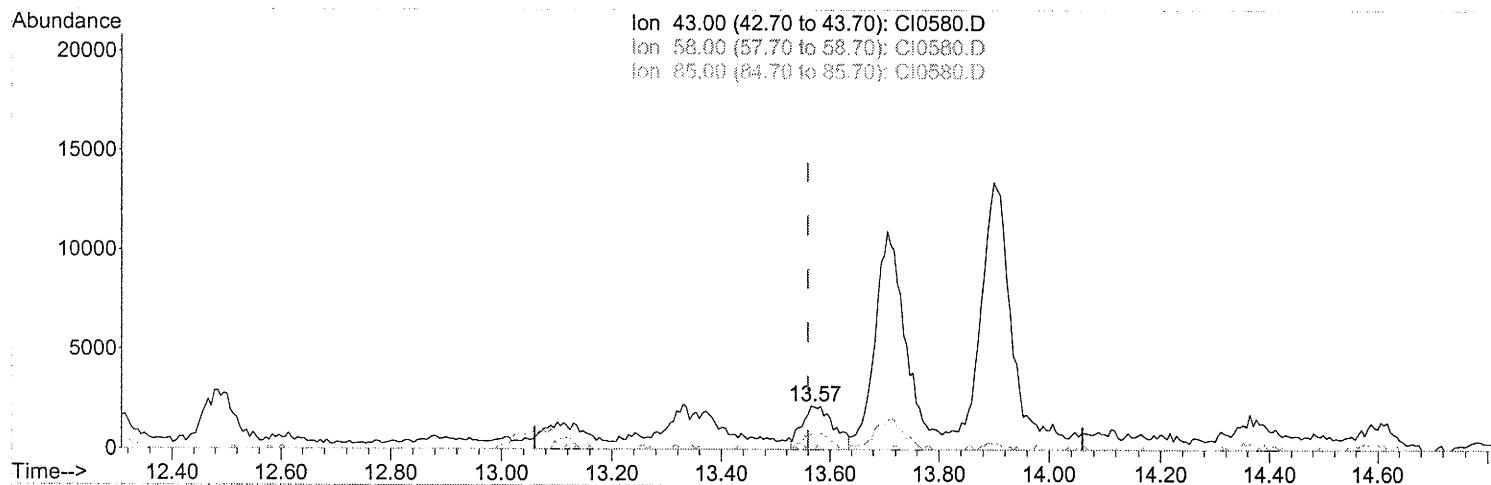
Ion	Exp%	Act%
43.00	100	100
57.00	40.30	0.00#
85.00	35.10	0.00#
0.00	0.00	0.00

*split peak
recovery
9/27/05
HMM
9/19/05*

8896

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(58) 2-Hexanone

13.565min (+0.005) 0.28PPB m

response 87385

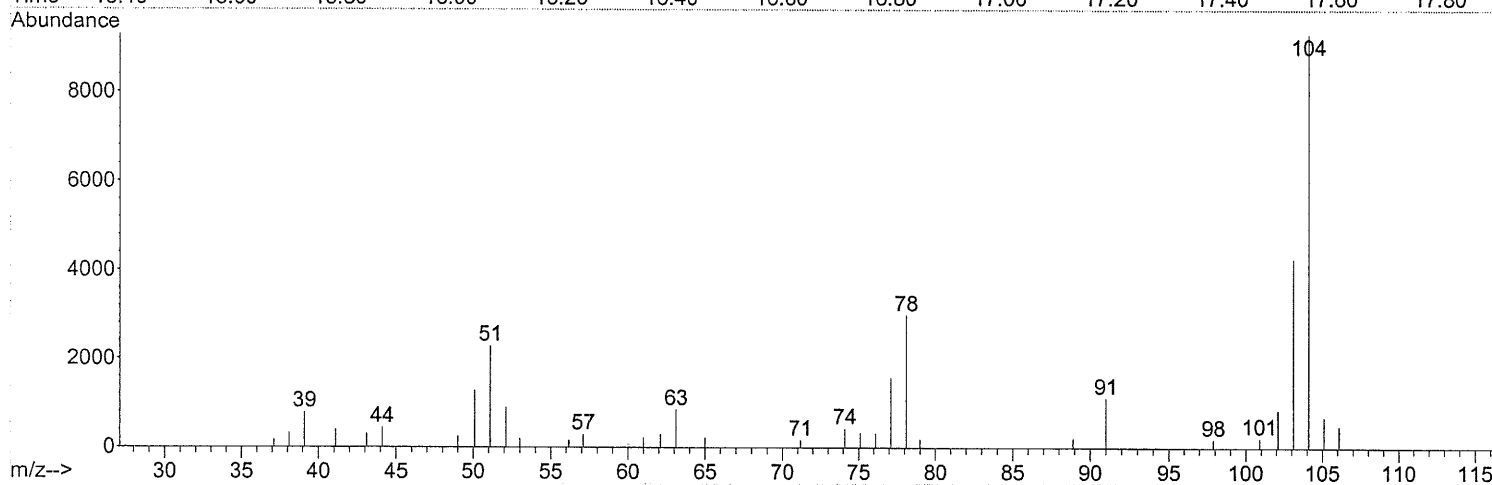
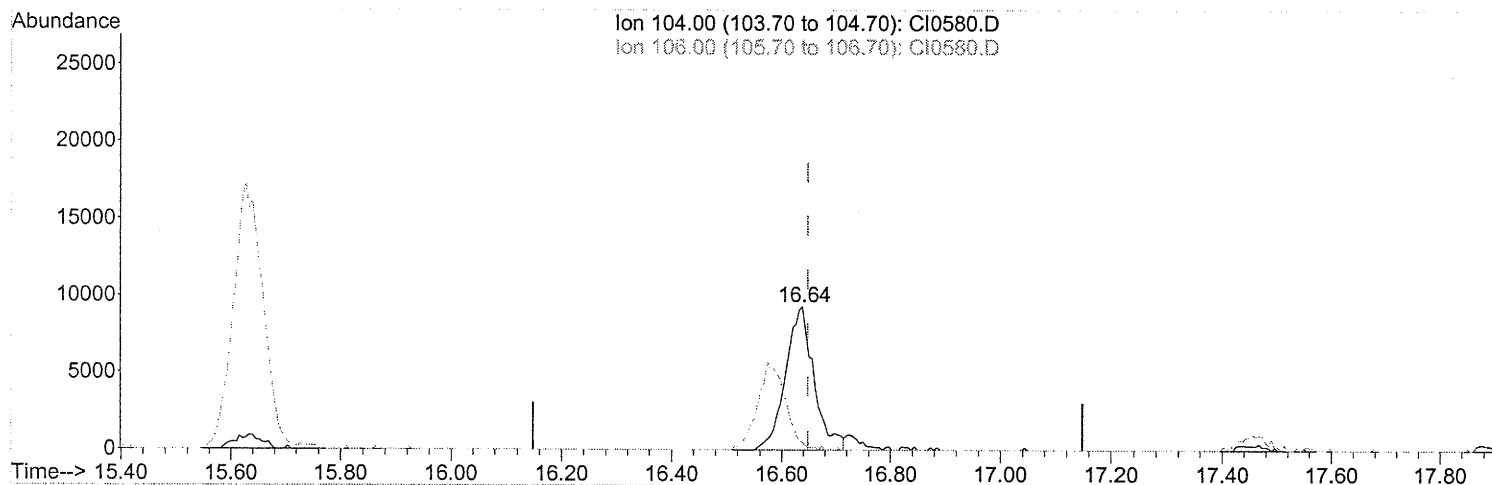
Ion	Exp%	Act%
43.00	100	100
58.00	53.20	68.91#
85.00	7.20	0.00#
0.00	0.00	0.00

*split peaks
robby
9/27/05
from 763
9/29/05*

8897

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0580.D
Acq On : 26 Sep 2005 5:06
Operator : JBS
Sample : 4600661 750CC
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0580.D

(66) Styrene

16.638min (-0.010) 1.50PPB m

response 333993

Ion	Exp%	Act%
104.00	100	100
106.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

split peak
12/26/04
9/27/05

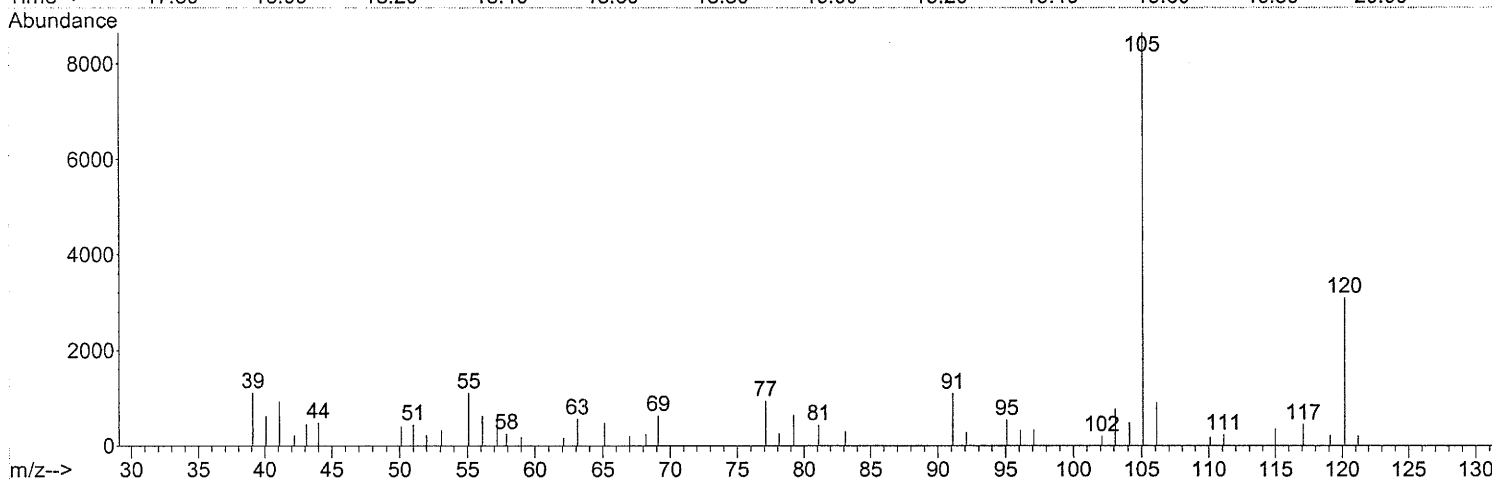
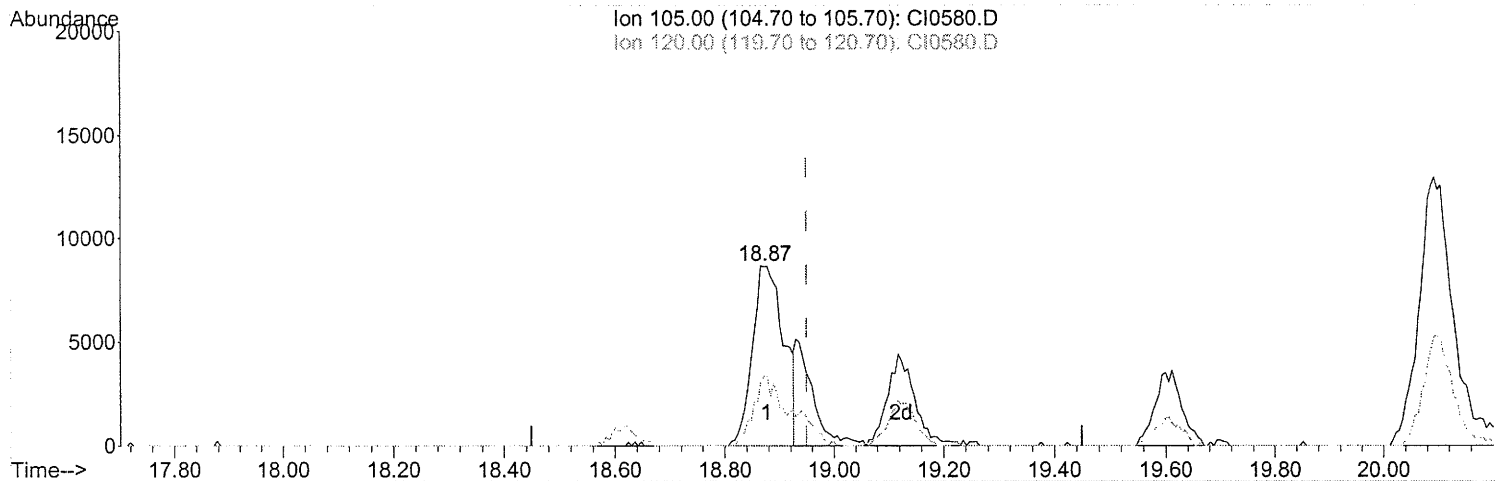
Ann 703
9/27/05

8898

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\SEP25\
 Data File : CI0580.D
 Acq On : 26 Sep 2005 5:06
 Operator : JBS
 Sample : 4600661 750CC
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:31:08 2005
 Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
 Quant Title :
 QLast Update : Mon Sep 26 08:28:19 2005
 Response via : Initial Calibration



TIC: CI0580.D

(72) 4-Ethyltoluene

18.865min (-0.084) 0.82PPB m

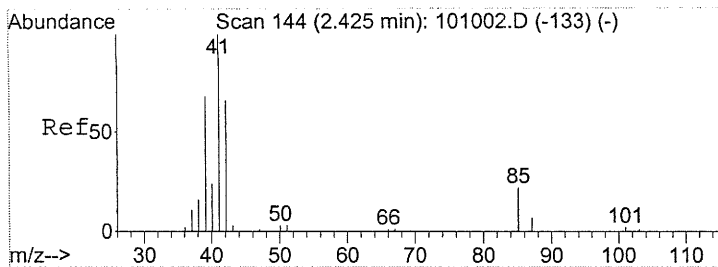
response 349745

Ion	Exp%	Act%
105.00	100	100
120.00	32.20	18.07#
0.00	0.00	0.00
0.00	0.00	0.00

*remove shoulder
 10/11/05
 9/12/05*

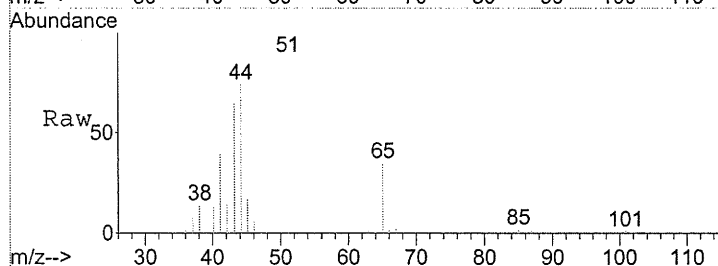
*Ann 103
 9/12/05*

0099

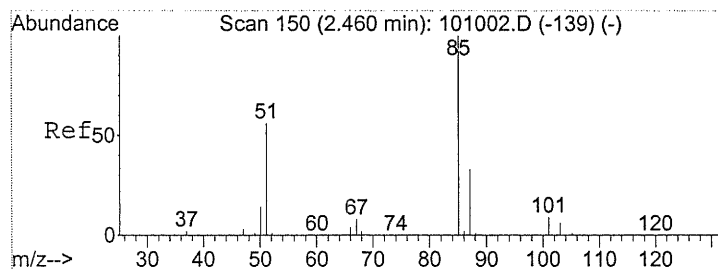
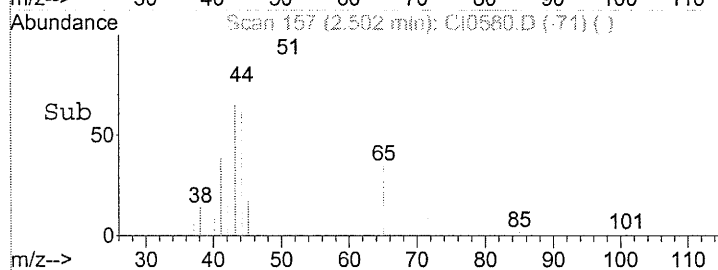
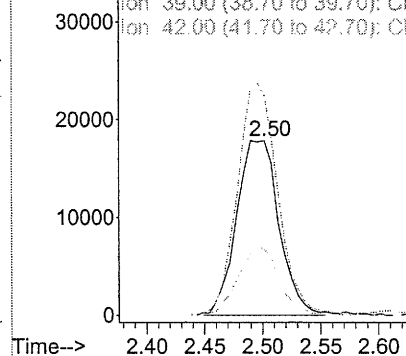


#2
Propene
Concen: 5.36 PPB
RT: 2.50 min Scan# 157
Delta R.T. 0.00 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 41 Resp: 453886
Ion Ratio Lower Upper
41 100
39 126.4 51.6 77.4#
42 37.6 55.0 82.4#

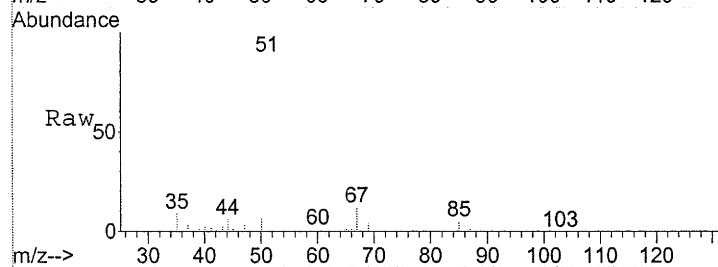


Abundance Ion 41.00 (40.70 to 41.70): ClO
Ion 39.00 (38.70 to 39.70): ClO
Ion 42.00 (41.70 to 42.70): ClO

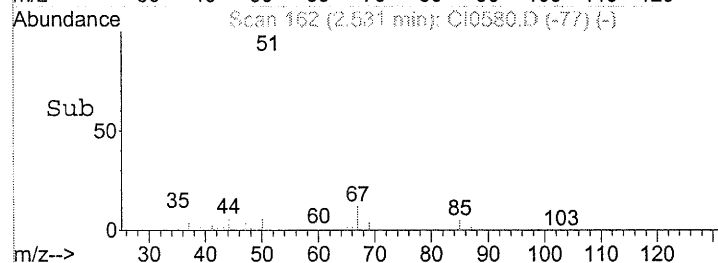
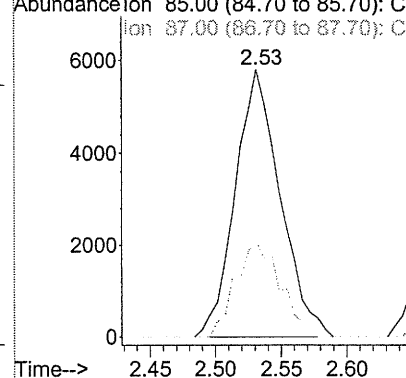


#3
Dichlorodifluoromethane
Concen: 0.57 PPB
RT: 2.53 min Scan# 162
Delta R.T. 0.00 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

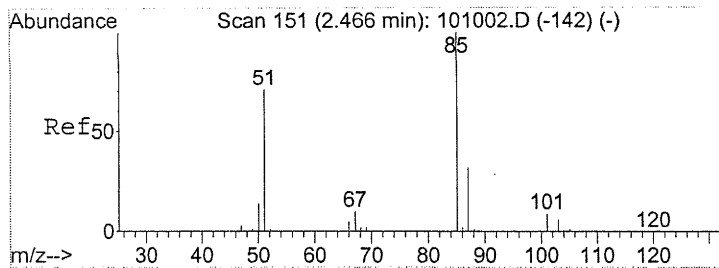
Tgt Ion: 85 Resp: 138002
Ion Ratio Lower Upper
85 100
87 35.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): ClO
Ion 87.00 (86.70 to 87.70): ClO

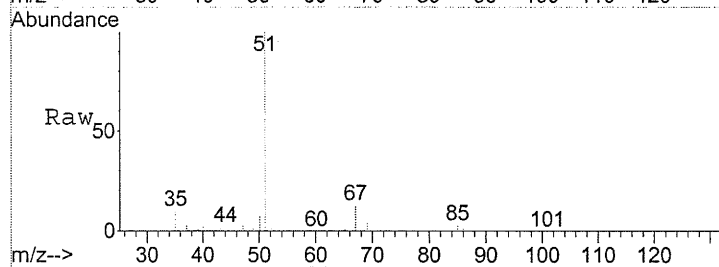


0100

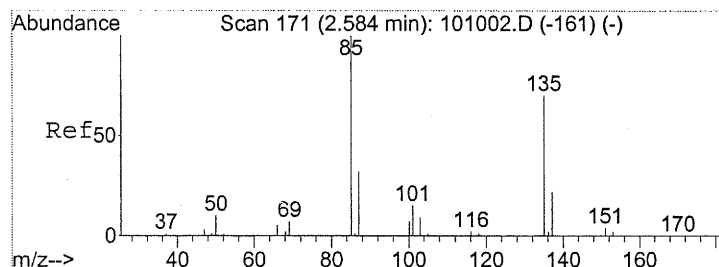
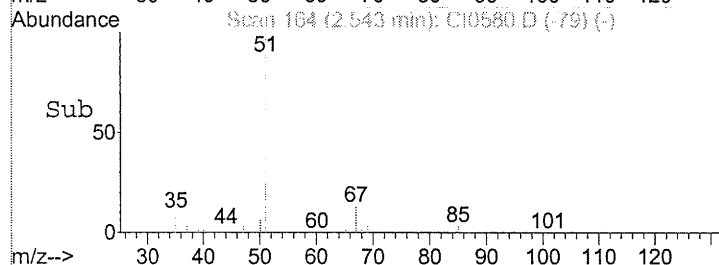
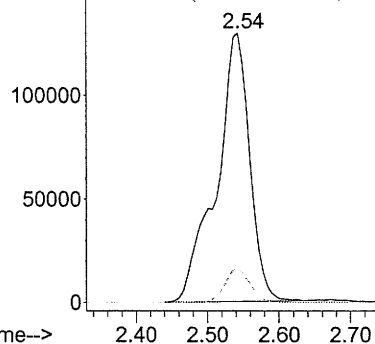


#4
Chlorodifluoromethane
Concen: 25.78 PPB
RT: 2.54 min Scan# 164
Delta R.T. 0.00 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 51 Resp: 4167900
Ion Ratio Lower Upper
51 100
67 9.8 9.6 14.4

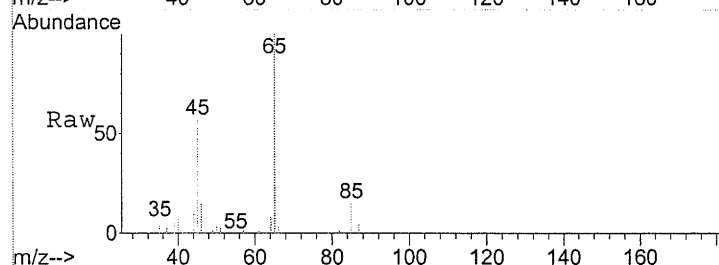


Abundance Ion 51.00 (50.70 to 51.70): ClO
150000 Ion 67.00 (66.70 to 67.70): ClO

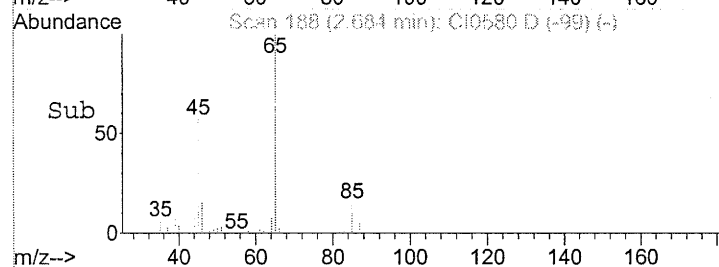
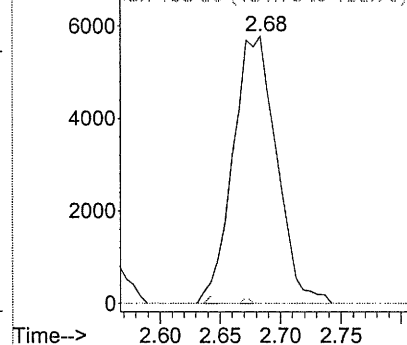


#5
Freon 114
Concen: 0.54 PPB
RT: 2.68 min Scan# 188
Delta R.T. 0.02 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

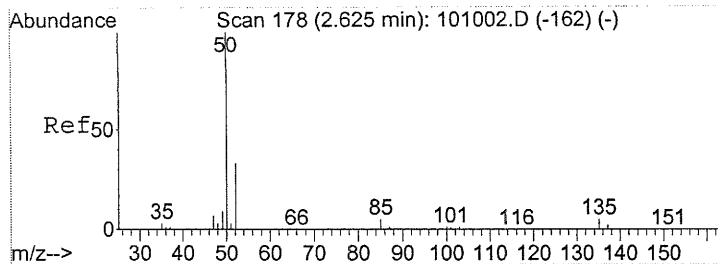
Tgt Ion: 85 Resp: 145804
Ion Ratio Lower Upper
85 100
135 0.0 64.6 97.0#



Abundance Ion 85.00 (84.70 to 85.70): ClO
6000 Ion 135.00 (134.70 to 135.70): ClO



0101



#6

Chloromethane

Concen: 0.57 PPB m

RT: 2.70 min Scan# 190

Delta R.T. -0.01 min

Lab File: CI0580.D

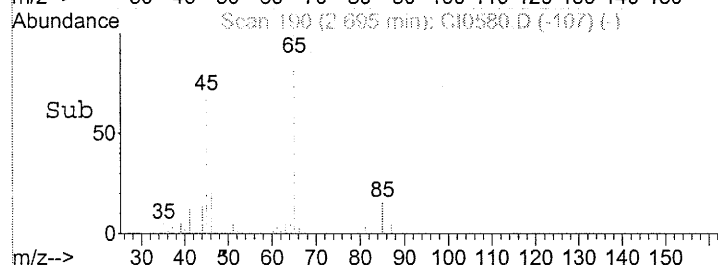
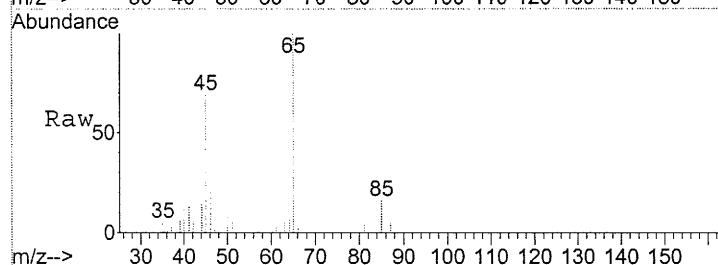
Acq: 26 Sep 2005 5:06

Tgt Ion: 50 Resp: 70507

Ion Ratio Lower Upper

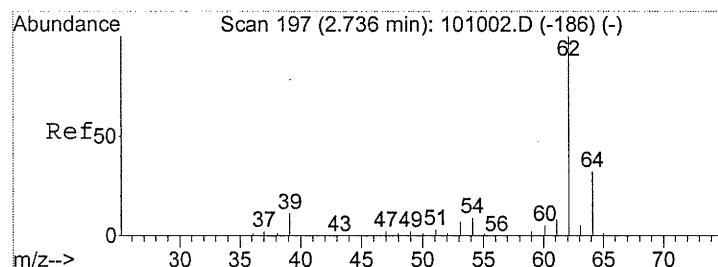
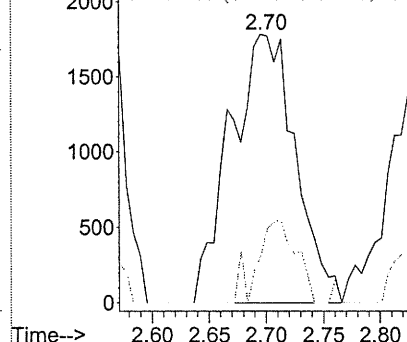
50 100

52 0.0 21.0 31.4#



Abundance Ion 50.00 (49.70 to 50.70): ClO

Ion 52.00 (51.70 to 52.70): ClO



#7

Vinyl Chloride

Concen: 0.76 PPB

RT: 2.84 min Scan# 214

Delta R.T. 0.01 min

Lab File: CI0580.D

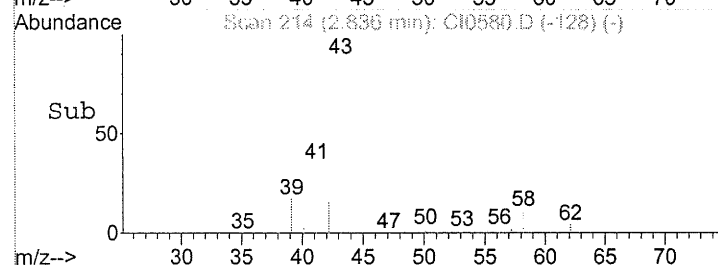
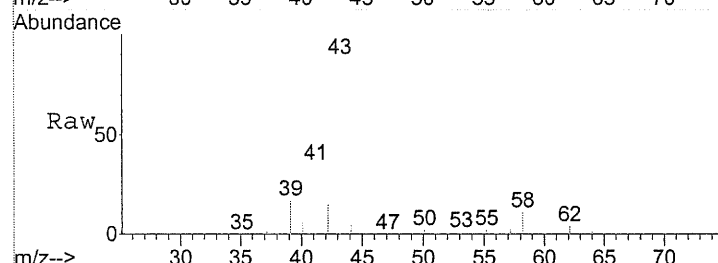
Acq: 26 Sep 2005 5:06

Tgt Ion: 62 Resp: 68715

Ion Ratio Lower Upper

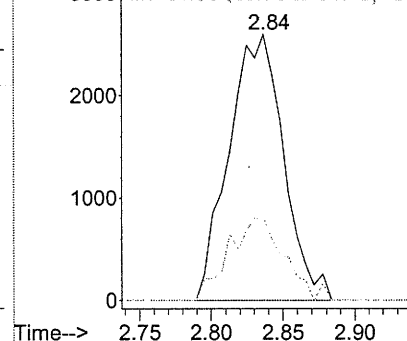
62 100

64 0.0 24.6 36.8#

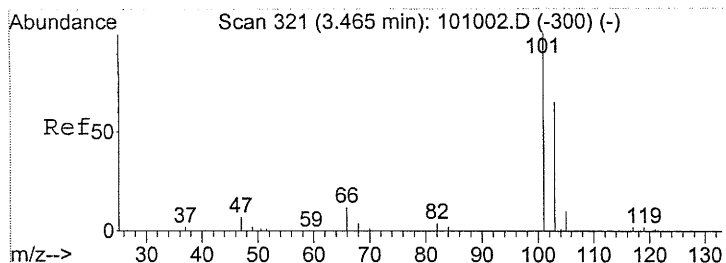


Abundance Ion 62.00 (61.70 to 62.70): ClO

Ion 64.00 (63.70 to 64.70): ClO

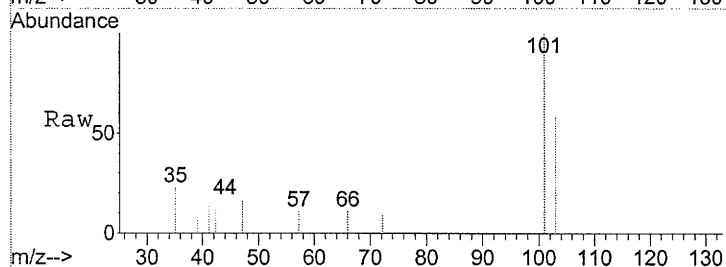


0102

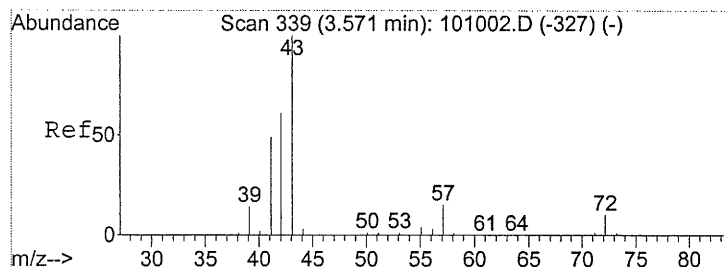
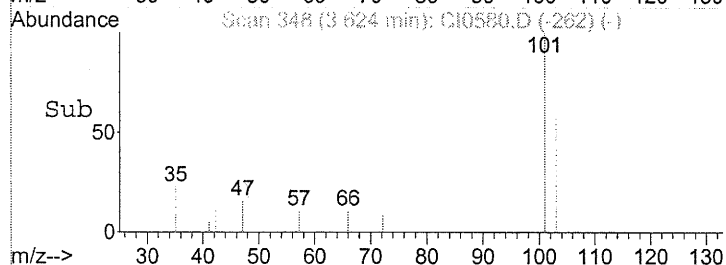
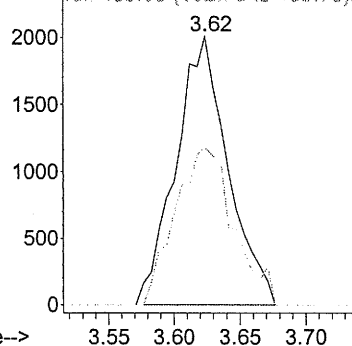


#12
 Trichlorofluoromethane
 Concen: 0.20 PPB
 RT: 3.62 min Scan# 348
 Delta R.T. 0.00 min
 Lab File: CI0580.D
 Acq: 26 Sep 2005 5:06

Tgt Ion: 101 Resp: 55270
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4

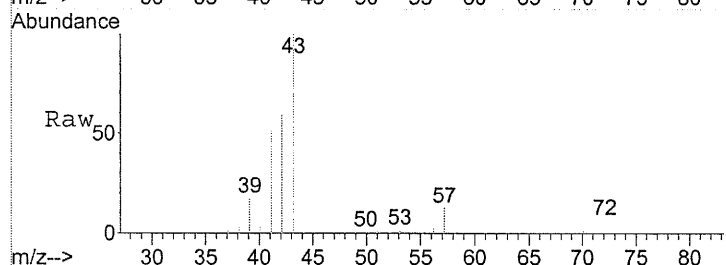


Abundance Ion 101.00 (100.70 to 101.70): C
 Ion 103.00 (102.70 to 103.70): C

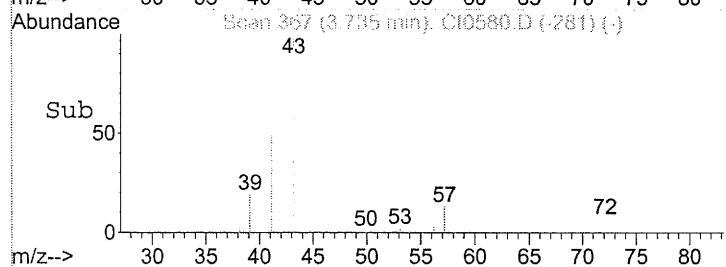
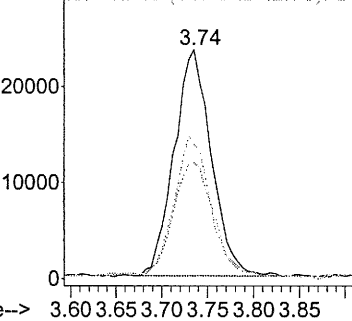


#13
 Pentane
 Concen: 3.53 PPB
 RT: 3.74 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: CI0580.D
 Acq: 26 Sep 2005 5:06

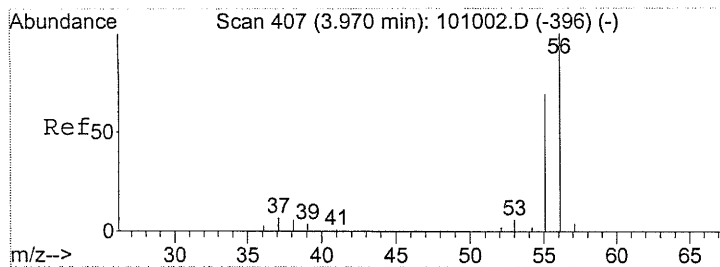
Tgt Ion: 43 Resp: 664446
 Ion Ratio Lower Upper
 43 100
 41 52.0 37.7 56.5
 42 59.8 47.8 71.8



Abundance Ion 43.00 (42.70 to 43.70): C10
 Ion 41.00 (40.70 to 41.70): C10
 Ion 42.00 (41.70 to 42.70): C10



0103



#14

Acrolein

Concen: 1.00 PPB m

RT: 4.21 min Scan# 447

Delta R.T. -0.01 min

Lab File: CI0580.D

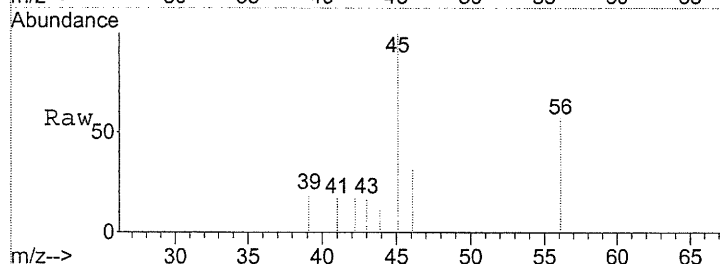
Acq: 26 Sep 2005 5:06

Tgt Ion: 56 Resp: 25337

Ion Ratio Lower Upper

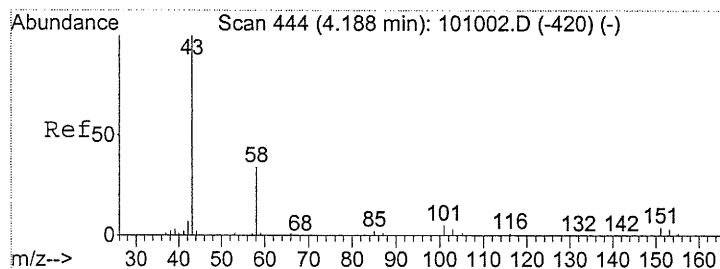
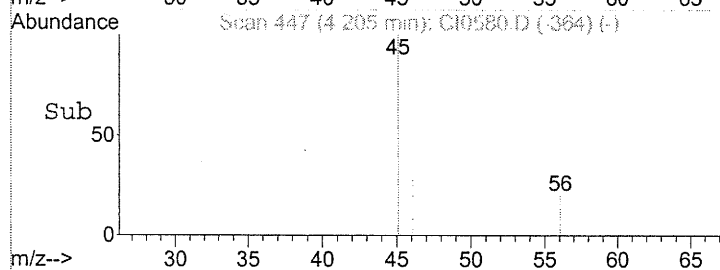
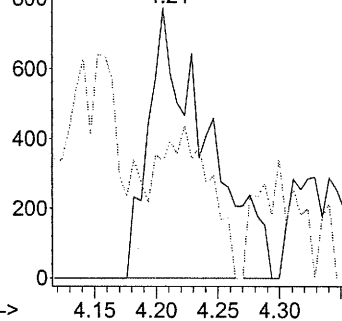
56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): CI0

Ion 55.00 (54.70 to 55.70): CI0



#17

Acetone

Concen: 55.61 PPB

RT: 4.44 min Scan# 486

Delta R.T. -0.03 min

Lab File: CI0580.D

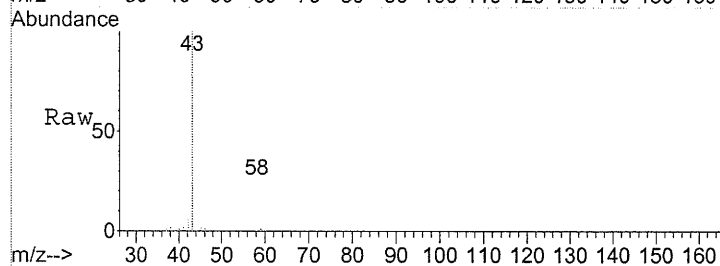
Acq: 26 Sep 2005 5:06

Tgt Ion: 43 Resp: 7662540

Ion Ratio Lower Upper

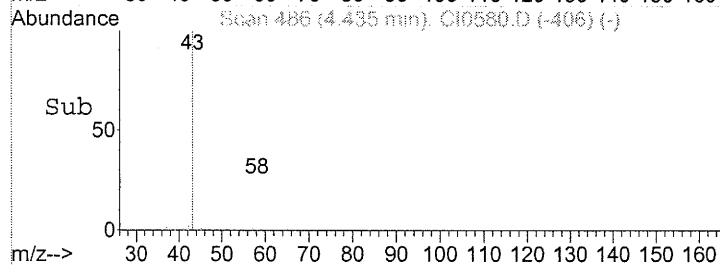
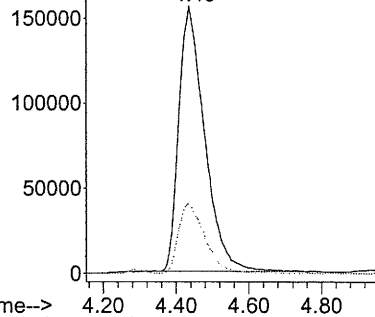
43 100

58 26.9 28.2 42.4#

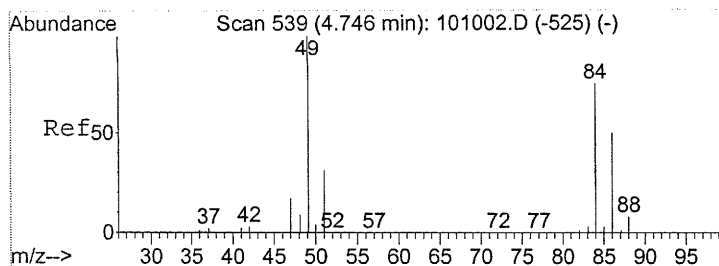


Abundance Ion 43.00 (42.70 to 43.70): CI0

Ion 58.00 (57.70 to 58.70): CI0



0104



#22

Methylene Chloride

Concen: 0.34 PPB m

RT: 5.00 min Scan# 583

Delta R.T. 0.01 min

Lab File: CI0580.D

Acq: 26 Sep 2005 5:06

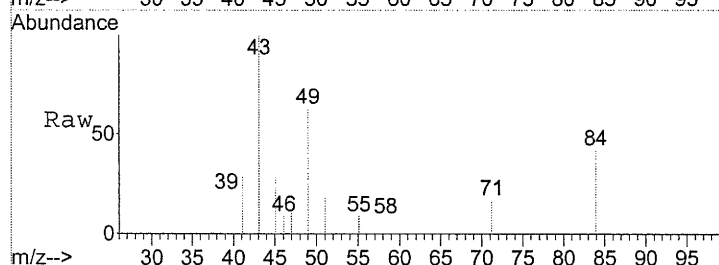
Tgt Ion: 84 Resp: 24288

Ion Ratio Lower Upper

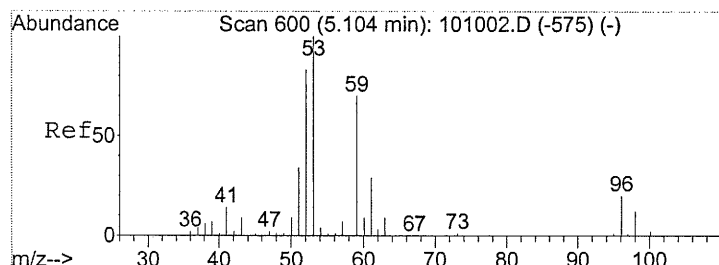
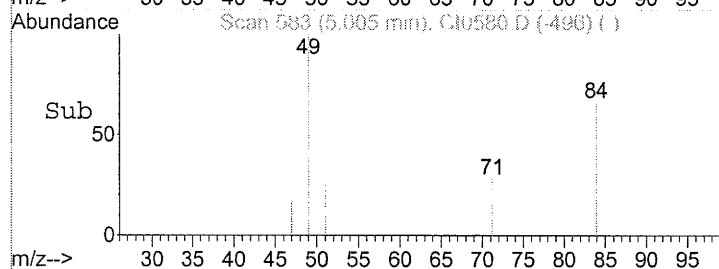
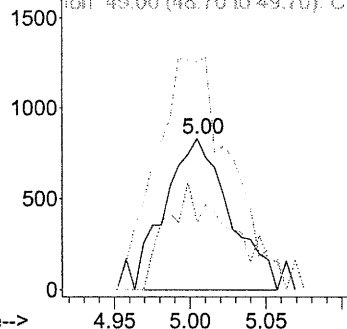
84 100

86 0.0 56.4 84.6#

49 180.1 155.8 233.6



Abundance Ion 84.00 (83.70 to 84.70): ClO
Ion 86.00 (85.70 to 86.70): ClO
Ion 49.00 (48.70 to 49.70): ClO



#23

tert-Butyl Alcohol

Concen: 1.04 PPB m

RT: 6.04 min Scan# 759

Delta R.T. 0.38 min

Lab File: CI0580.D

Acq: 26 Sep 2005 5:06

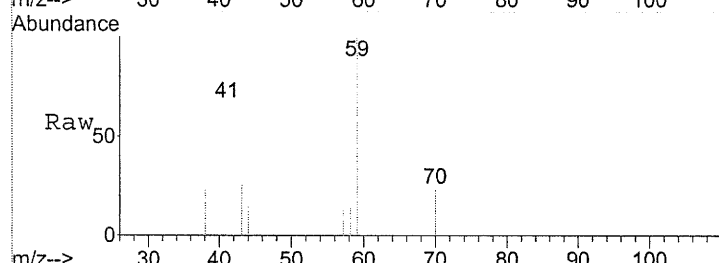
Tgt Ion: 59 Resp: 166848

Ion Ratio Lower Upper

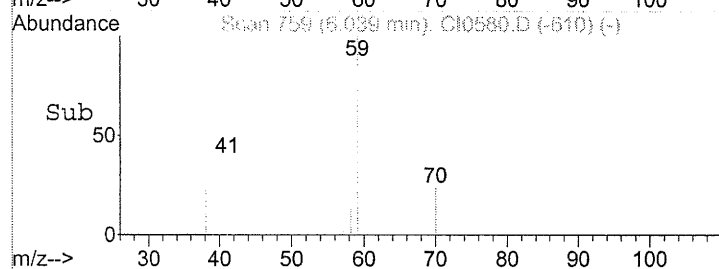
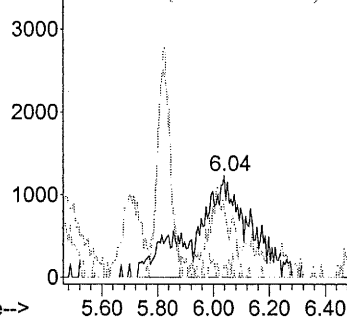
59 100

41 0.0 0.0 0.0

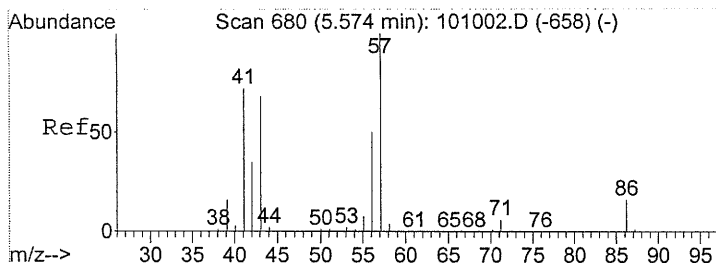
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): ClO
Ion 41.00 (40.70 to 41.70): ClO
Ion 57.00 (56.70 to 57.70): ClO

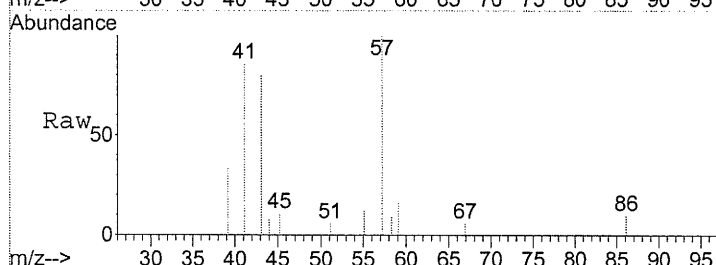


0185



#27
Hexane
Concen: 0.63 PPB
RT: 5.83 min Scan# 723
Delta R.T. -0.00 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 57	Resp: 87886
Ion Ratio	Lower Upper
57	100
41	95.1 60.4 90.6#
43	67.3 53.3 79.9
86	0.0 10.2 15.2#



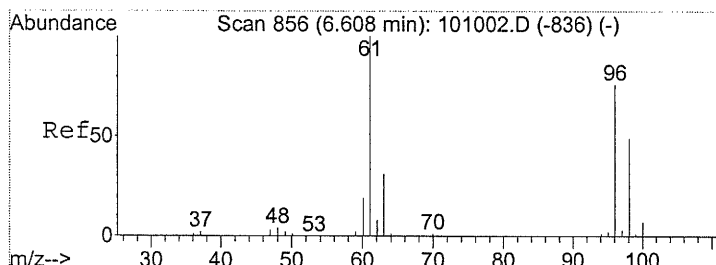
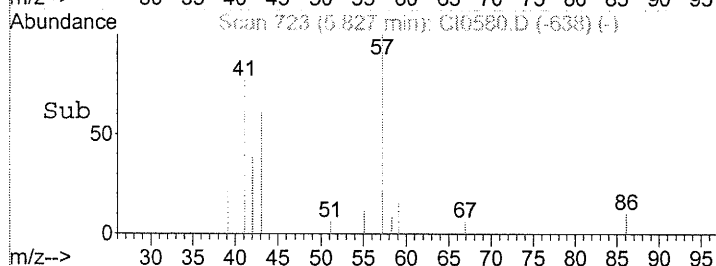
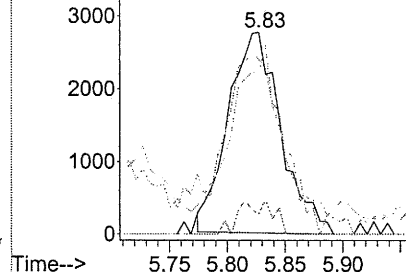
Abundance

Ion 57.00 (56.70 to 57.70): ClO

Ion 41.00 (40.70 to 41.70): ClO

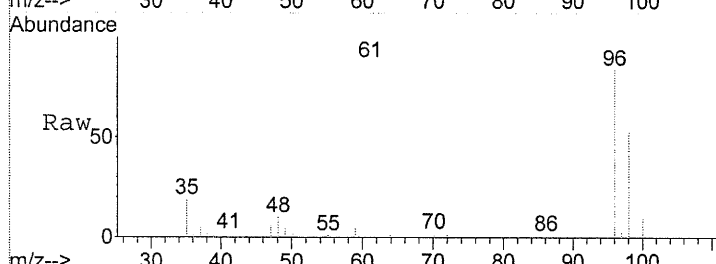
Ion 43.00 (42.70 to 43.70): ClO

Ion 86.00 (85.70 to 86.70): ClO



#30
cis-1,2-Dichloroethene
Concen: 5.43 PPB
RT: 6.92 min Scan# 909
Delta R.T. 0.01 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 61	Resp: 608691
Ion Ratio	Lower Upper
61	100
96	83.9 53.8 80.8#
98	53.9 34.8 52.2#

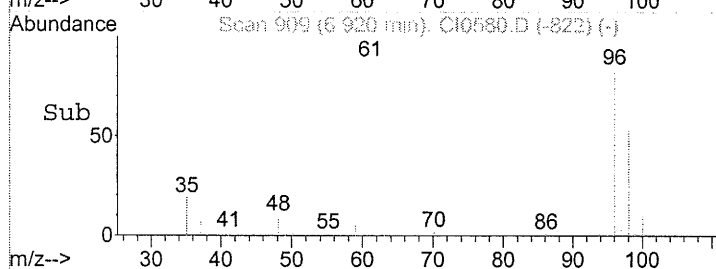
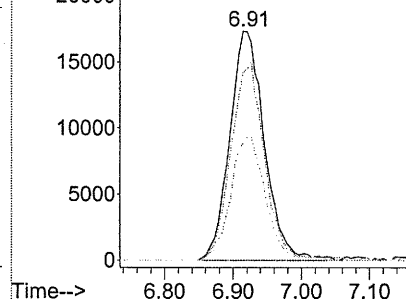


Abundance

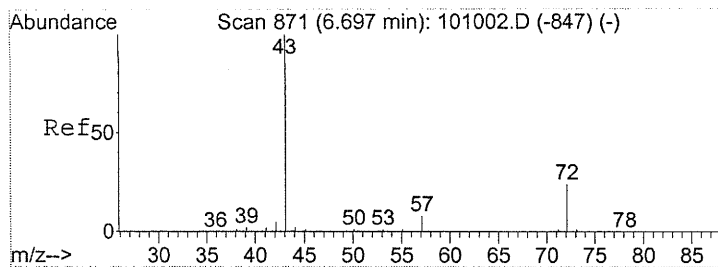
Ion 61.00 (60.70 to 61.70): ClO

Ion 96.00 (95.70 to 96.70): ClO

Ion 98.00 (97.70 to 98.70): ClO

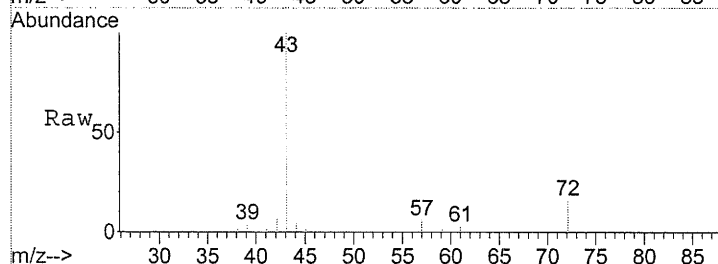


0186

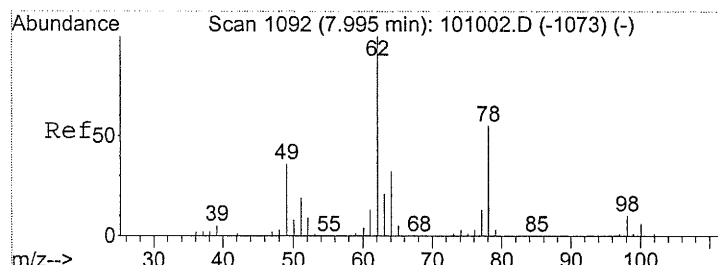
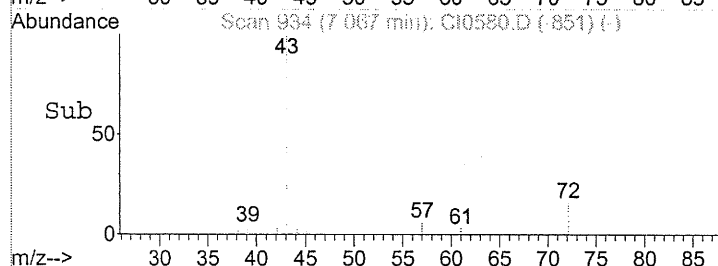
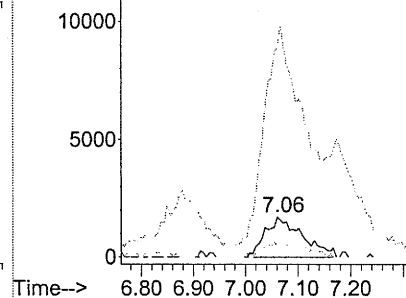


#31
2-Butanone
Concen: 3.00 PPB
RT: 7.07 min Scan# 934
Delta R.T. -0.01 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 72 Resp: 87201
Ion Ratio Lower Upper
72 100
43 550.4 415.1 622.7
57 0.0 28.9 43.3#

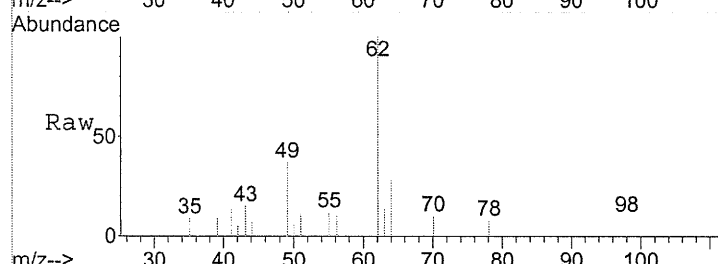


Abundance Ion 72.00 (71.70 to 72.70): C10
Ion 43.00 (42.70 to 43.70): C10
Ion 57.00 (56.70 to 57.70): C10

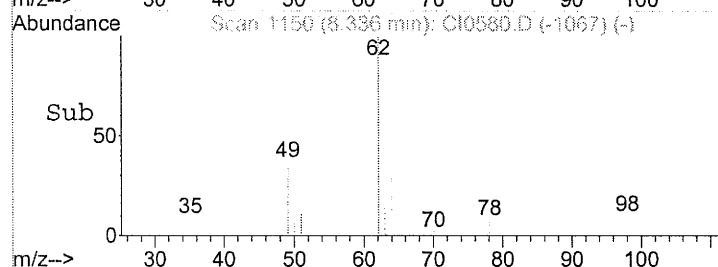
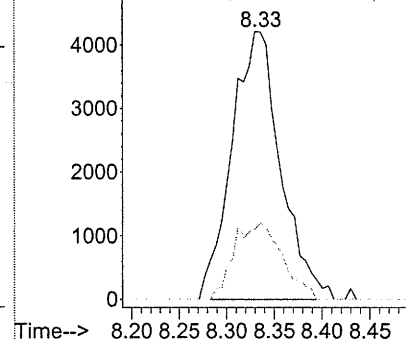


#38
1,2-Dichloroethane
Concen: 1.36 PPB
RT: 8.34 min Scan# 1150
Delta R.T. -0.01 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

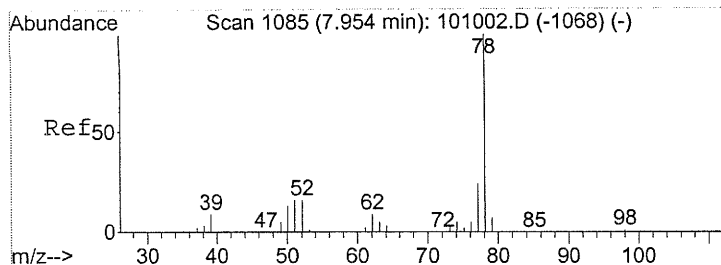
Tgt Ion: 62 Resp: 150319
Ion Ratio Lower Upper
62 100
64 28.2 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): C10
Ion 64.00 (63.70 to 64.70): C10



0187



#39

Benzene

Concen: 0.46 PPB

RT: 8.28 min Scan# 1141

Delta R.T. -0.00 min

Lab File: CI0580.D

Acq: 26 Sep 2005 5:06

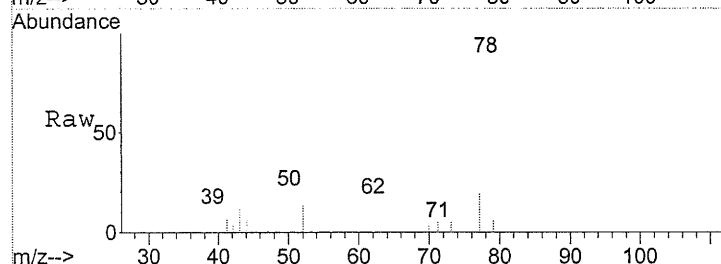
Tgt Ion: 78 Resp: 110224

Ion Ratio Lower Upper

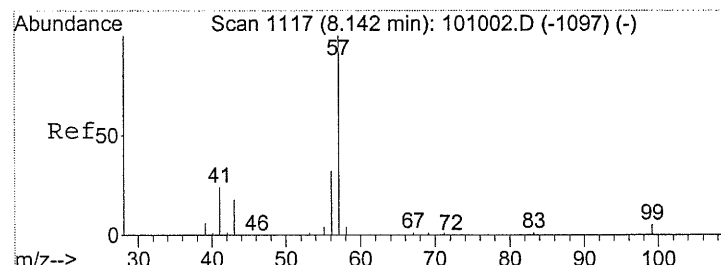
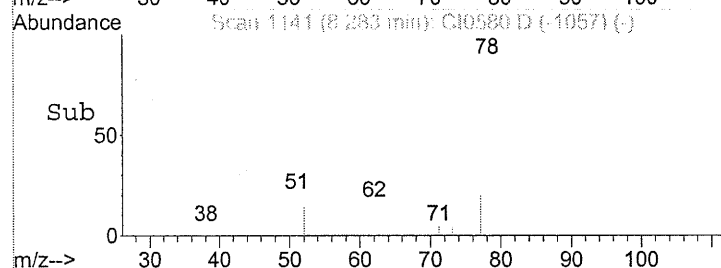
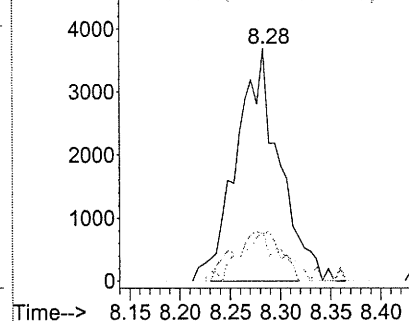
78 100

77 23.0 18.6 27.8

50 5.4 16.9 25.3#



Abundance Ion 78.00 (77.70 to 78.70): CI0
5000 Ion 77.00 (76.70 to 77.70): CI0
Ion 50.00 (49.70 to 50.70): CI0



#40

Isooctane

Concen: 0.20 PPB m

RT: 8.45 min Scan# 1169

Delta R.T. -0.01 min

Lab File: CI0580.D

Acq: 26 Sep 2005 5:06

Tgt Ion: 57 Resp: 85220

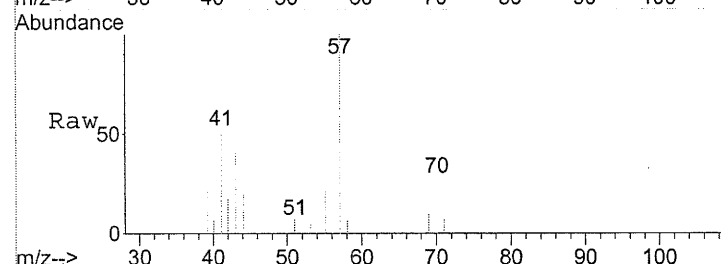
Ion Ratio Lower Upper

57 100

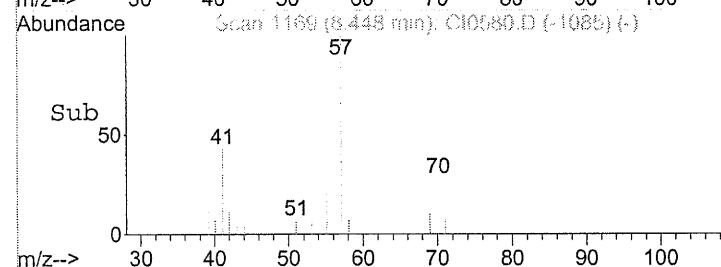
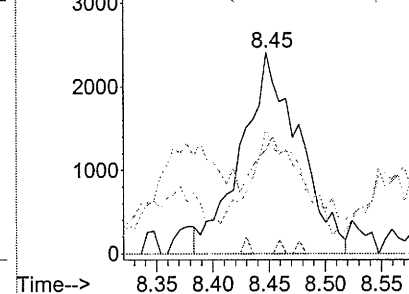
41 0.0 18.7 28.1#

56 0.0 25.7 38.5#

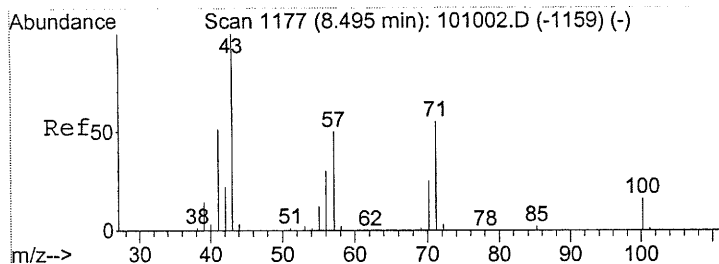
99 0.0 3.5 5.3#



Abundance Ion 57.00 (56.70 to 57.70): CI0
Ion 41.00 (40.70 to 41.70): CI0
Ion 56.00 (55.70 to 56.70): CI0
Ion 99.00 (98.70 to 99.70): CI0



0100



#41

Heptane

Concen: 4.34 PPB m

RT: 8.81 min Scan# 1230

Delta R.T. -0.00 min

Lab File: CI0580.D

Acq: 26 Sep 2005 5:06

Tgt Ion: 43 Resp: 790816

Ion Ratio Lower Upper

43 100

57 43.6 39.4 59.2

71 36.2 30.1 45.1

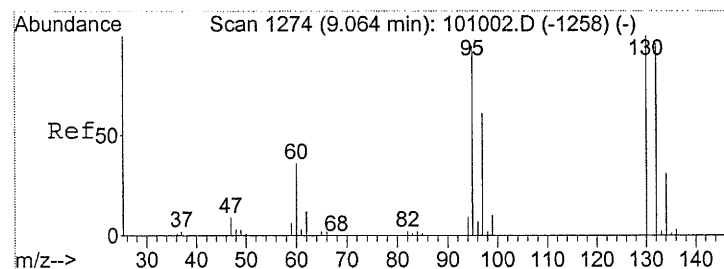
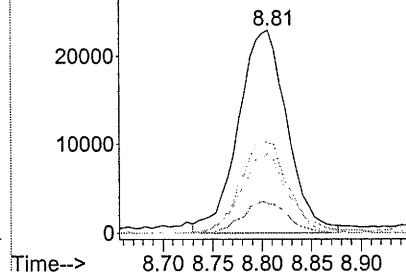
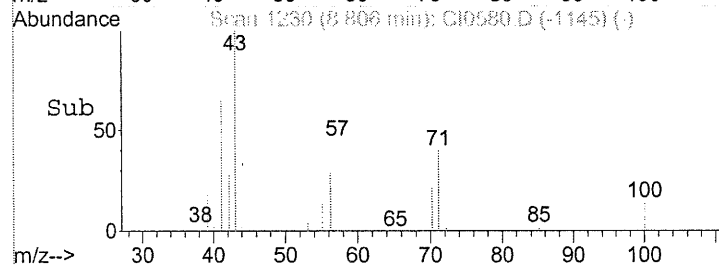
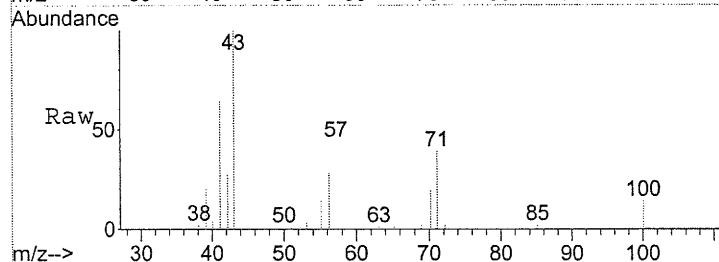
100 14.1 11.7 17.5

Abundance Ion 43.00 (42.70 to 43.70): C10

Ion 57.00 (56.70 to 57.70): C10

Ion 71.00 (70.70 to 71.70): C10

Ion 100.00 (99.70 to 100.70): C



#42

Trichloroethene

Concen: 0.75 PPB

RT: 9.41 min Scan# 1333

Delta R.T. -0.01 min

Lab File: CI0580.D

Acq: 26 Sep 2005 5:06

Tgt Ion: 130 Resp: 146295

Ion Ratio Lower Upper

130 100

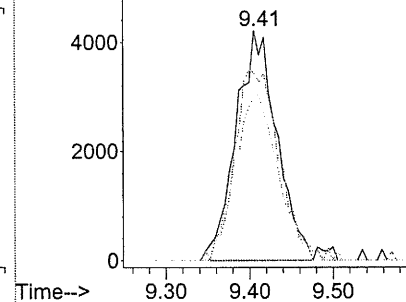
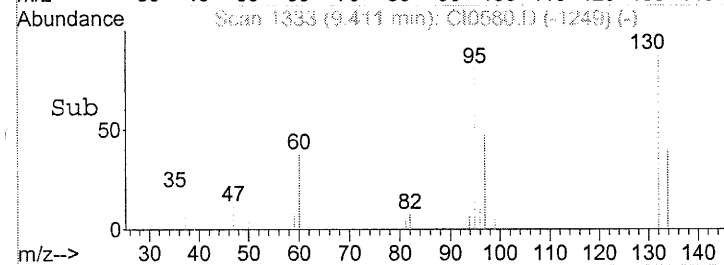
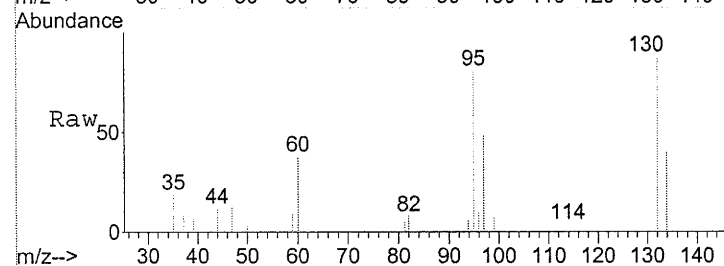
132 88.4 77.6 116.4

95 74.6 67.4 101.2

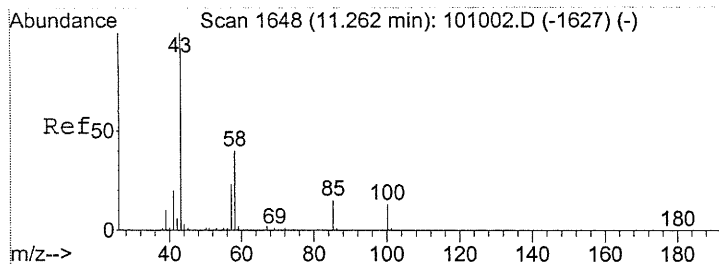
Abundance Ion 130.00 (129.70 to 130.70): C

Ion 132.00 (131.70 to 132.70): C

Ion 95.00 (94.70 to 95.70): C10

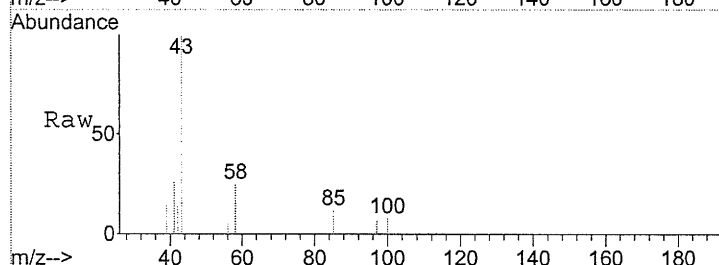


8189

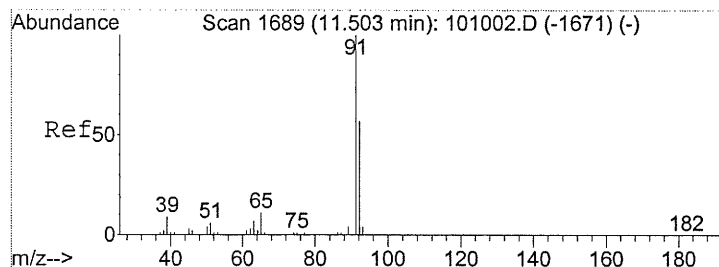
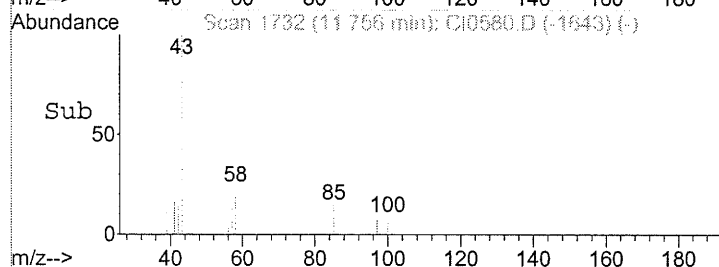
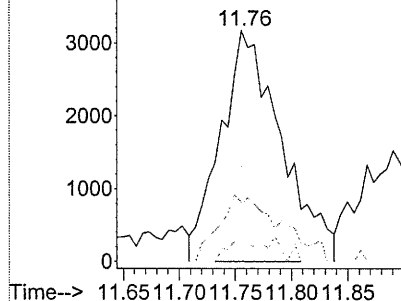


#50
4-Methyl-2-Pentanone
Concen: 0.37 PPB m
RT: 11.76 min Scan# 1732
Delta R.T. 0.02 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 43 Resp: 119630
Ion Ratio Lower Upper
43 100
58 29.2 30.8 46.2#
100 0.0 9.9 14.9#

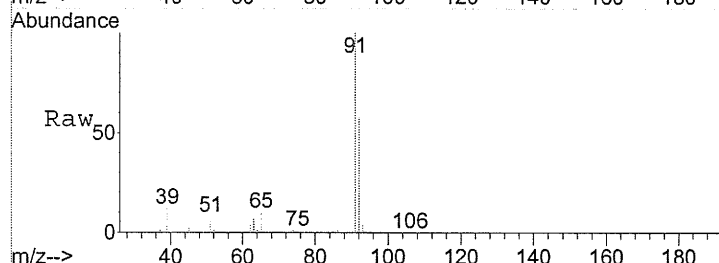


Abundance Ion 43.00 (42.70 to 43.70): C10
Ion 58.00 (57.70 to 58.70): C10
Ion 100.00 (99.70 to 100.70): C

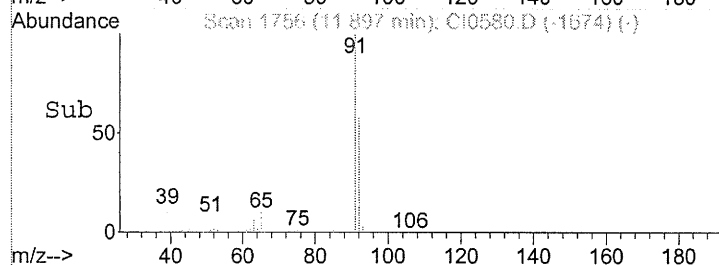
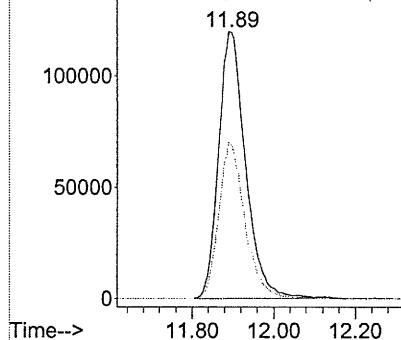


#52
Toluene
Concen: 12.92 PPB
RT: 11.90 min Scan# 1756
Delta R.T. -0.02 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

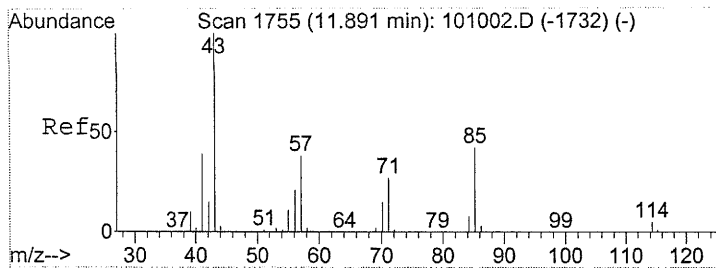
Tgt Ion: 91 Resp: 5497983
Ion Ratio Lower Upper
91 100
92 56.9 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): C10
Ion 92.00 (91.70 to 92.70): C10



0110



#53

Octane

Concen: 0.44 PPB m

RT: 12.30 min Scan# 1824

Delta R.T. 0.03 min

Lab File: CI0580.D

Acq: 26 Sep 2005 5:06

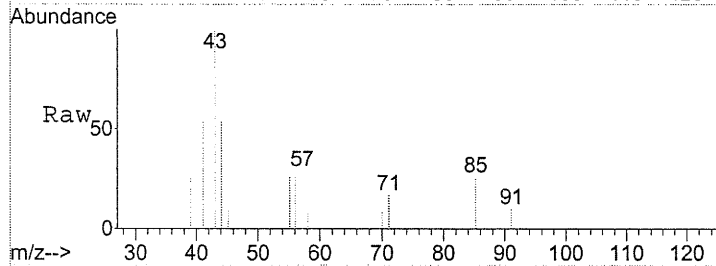
Tgt Ion: 43 Resp: 137086

Ion Ratio Lower Upper

43 100

57 0.0 32.2 48.4#

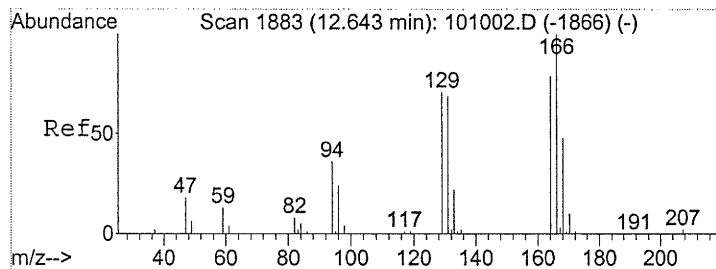
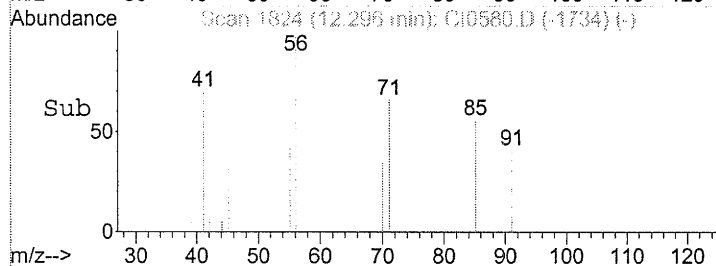
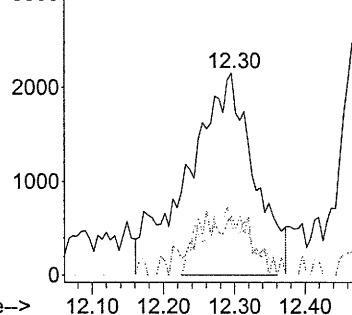
85 0.0 28.1 42.1#



Abundance Ion 43.00 (42.70 to 43.70): ClO

Ion 57.00 (56.70 to 57.70): ClO

Ion 85.00 (84.70 to 85.70): ClO



#57

Tetrachloroethene

Concen: 55.94 PPB

RT: 13.06 min Scan# 1954

Delta R.T. 0.01 min

Lab File: CI0580.D

Acq: 26 Sep 2005 5:06

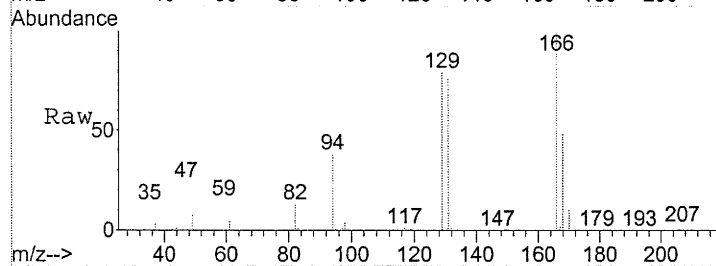
Tgt Ion: 166 Resp: 15327671

Ion Ratio Lower Upper

166 100

164 79.4 63.2 94.8

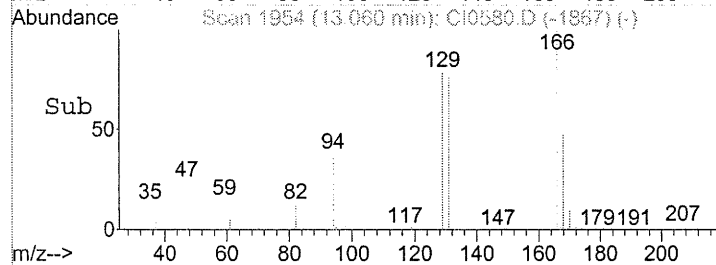
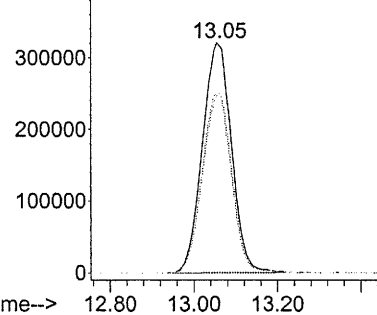
131 76.8 59.0 88.4



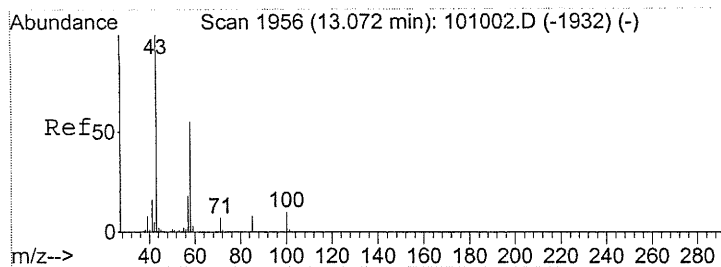
Abundance Ion 166.00 (165.70 to 166.70): C

Ion 164.00 (163.70 to 164.70): C

Ion 131.00 (130.70 to 131.70): C

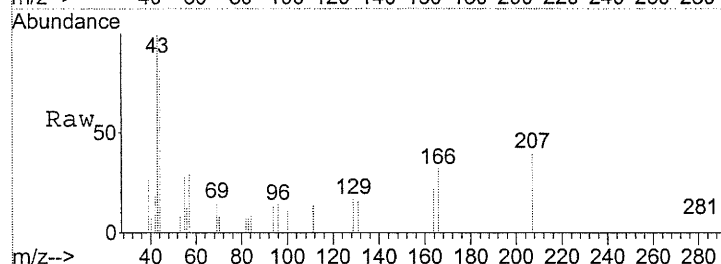


0111

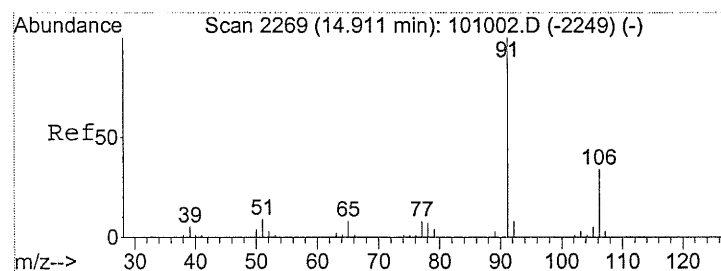
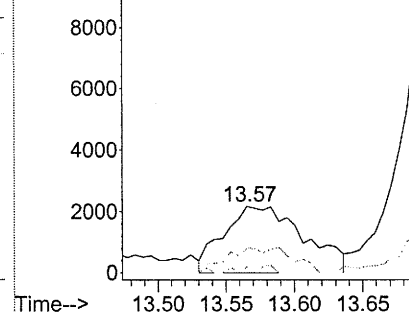
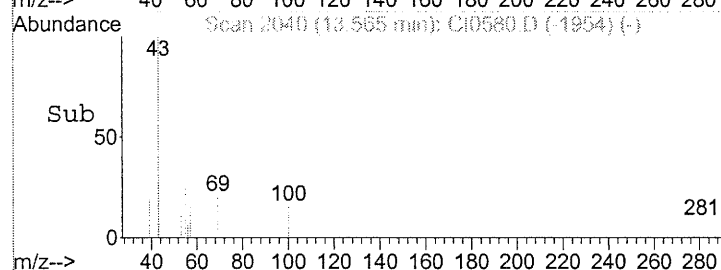


#58
2-Hexanone
Concen: 0.28 PPB m
RT: 13.57 min Scan# 2040
Delta R.T. 0.01 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 43 Resp: 87385
Ion Ratio Lower Upper
43 100
58 68.9 42.6 63.8#
85 0.0 5.8 8.6#

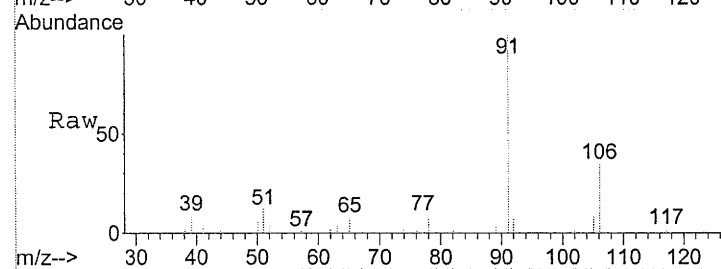


Abundance Ion 43.00 (42.70 to 43.70): CI0
Ion 58.00 (57.70 to 58.70): CI0
Ion 85.00 (84.70 to 85.70): CI0

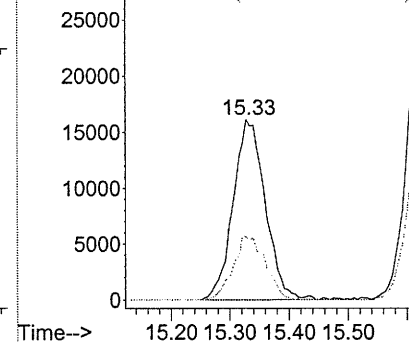
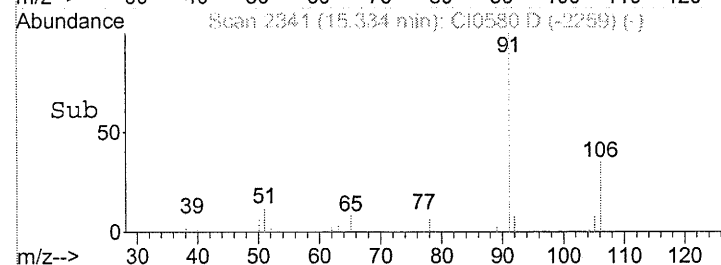


#63
Ethylbenzene
Concen: 1.82 PPB
RT: 15.33 min Scan# 2341
Delta R.T. -0.01 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

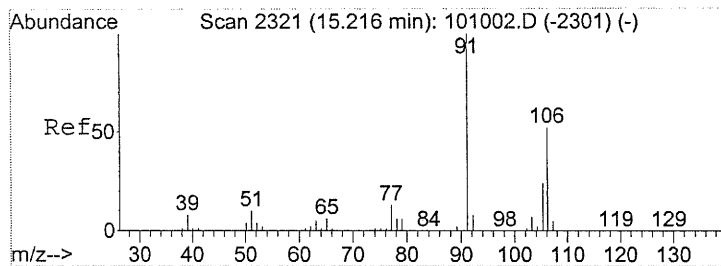
Tgt Ion: 91 Resp: 609949
Ion Ratio Lower Upper
91 100
106 35.3 27.7 41.5



Abundance Ion 91.00 (90.70 to 91.70): CI0
Ion 106.00 (105.70 to 106.70): CI0

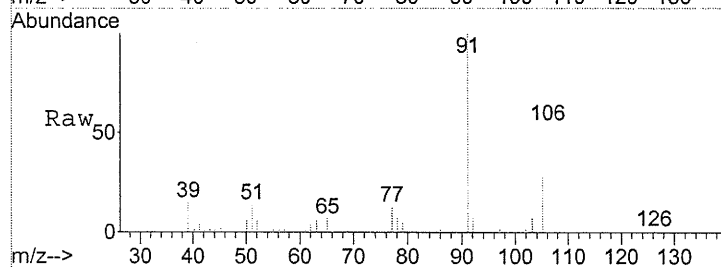


0112

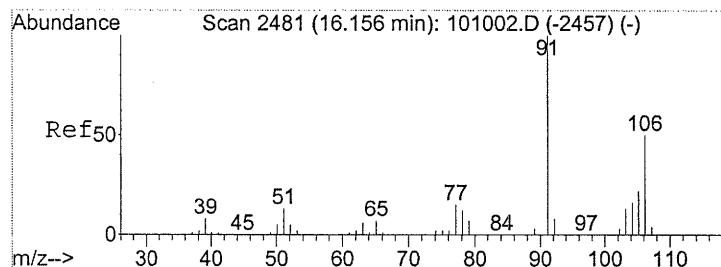
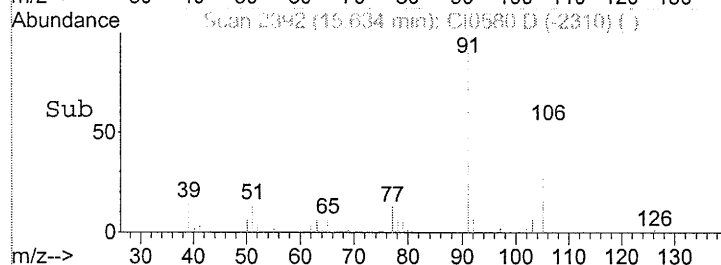
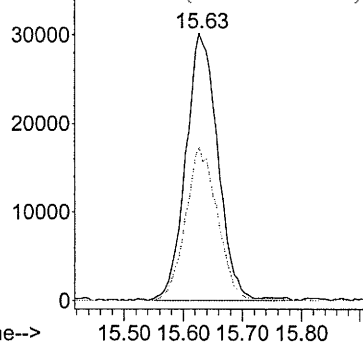


#64
m/p-Xylene
Concen: 4.13 PPB
RT: 15.63 min Scan# 2392
Delta R.T. -0.02 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 91 Resp: 1141662
Ion Ratio Lower Upper
91 100
106 57.2 43.1 64.7

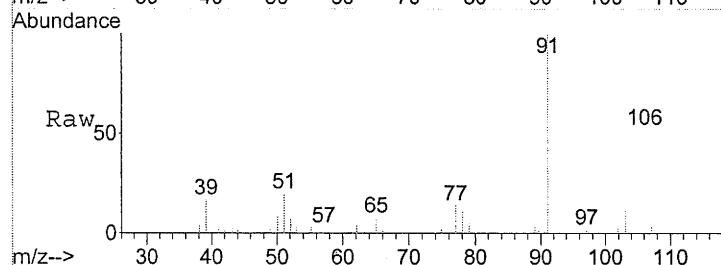


Abundance Ion 91.00 (90.70 to 91.70): ClO
Ion 106.00 (105.70 to 106.70):

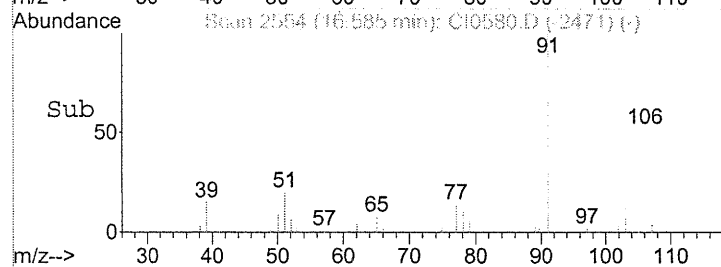
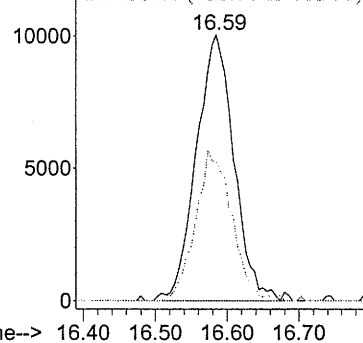


#65
o-Xylene
Concen: 1.36 PPB
RT: 16.59 min Scan# 2554
Delta R.T. -0.01 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

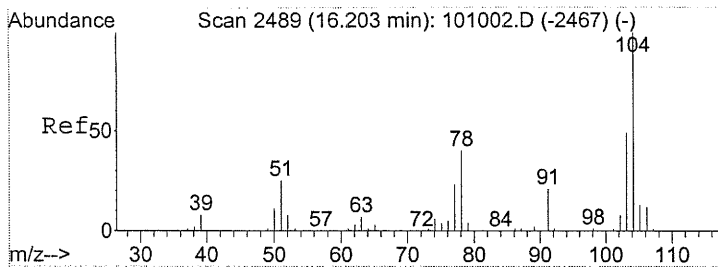
Tgt Ion: 91 Resp: 367957
Ion Ratio Lower Upper
91 100
106 54.1 41.1 61.7



Abundance Ion 91.00 (90.70 to 91.70): ClO
Ion 106.00 (105.70 to 106.70):

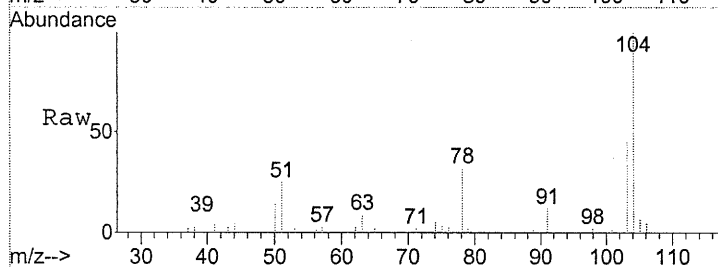


0113

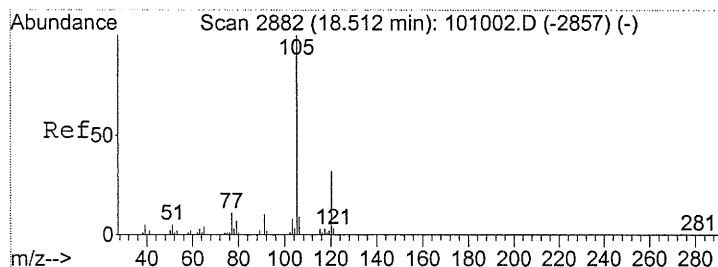
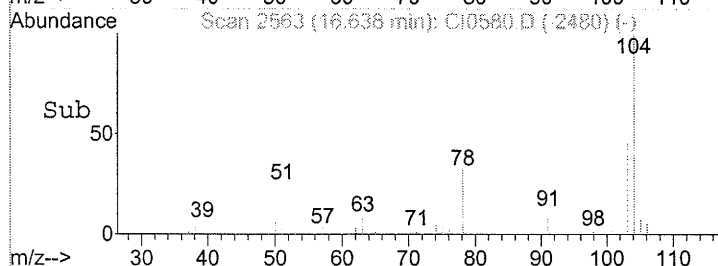
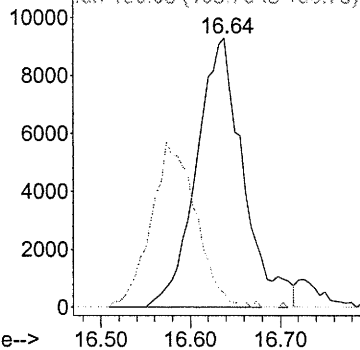


#66
Styrene
Concen: 1.50 PPB m
RT: 16.64 min Scan# 2563
Delta R.T. -0.01 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion: 104 Resp: 333993
Ion Ratio Lower Upper
104 100
106 0.0 0.0 0.0

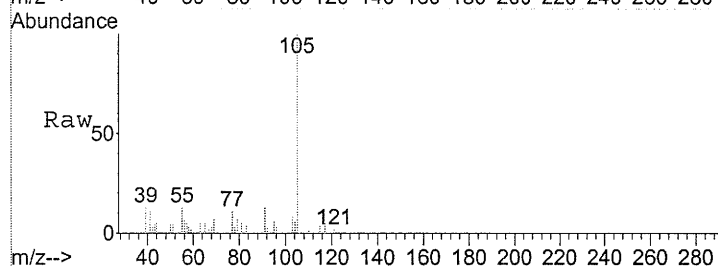


Abundance Ion 104.00 (103.70 to 104.70): (

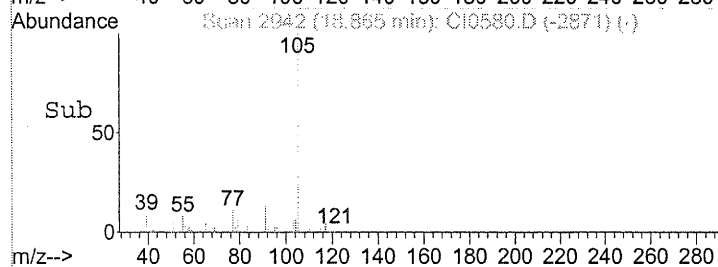
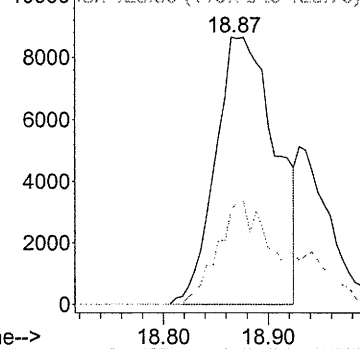


#72
4-Ethyltoluene
Concen: 0.82 PPB m
RT: 18.87 min Scan# 2942
Delta R.T. -0.08 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

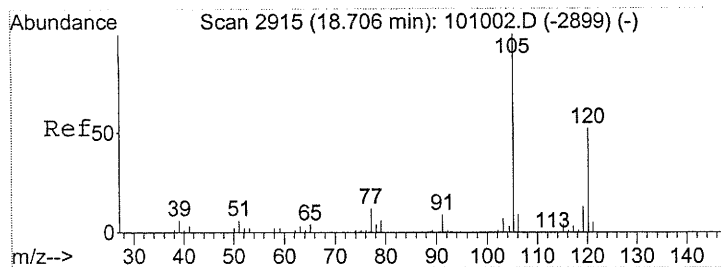
Tgt Ion: 105 Resp: 349745
Ion Ratio Lower Upper
105 100
120 18.1 25.8 38.6#



Abundance Ion 105.00 (104.70 to 105.70): (

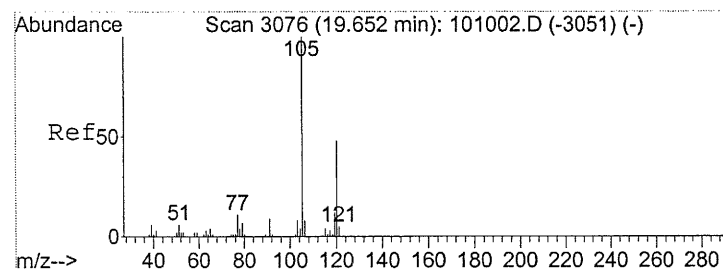
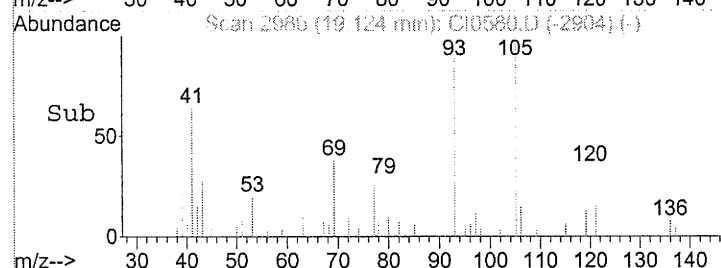
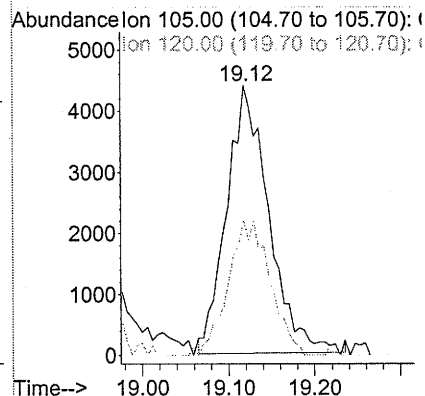
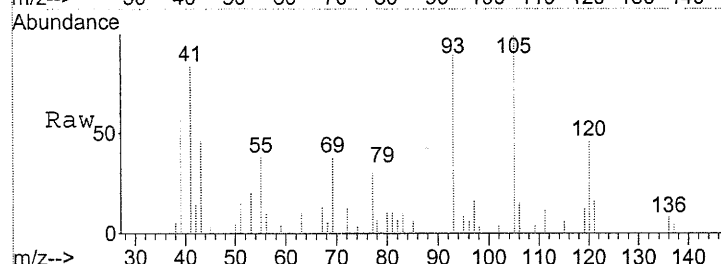


0114



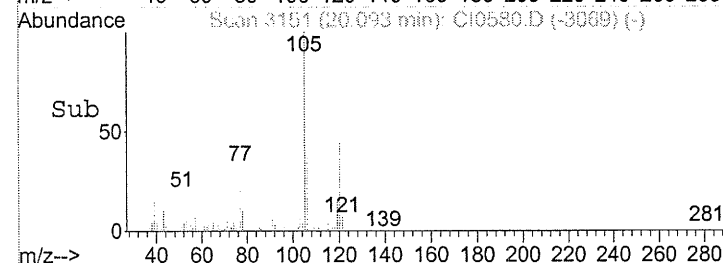
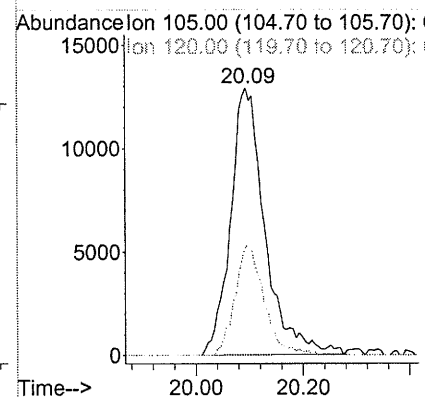
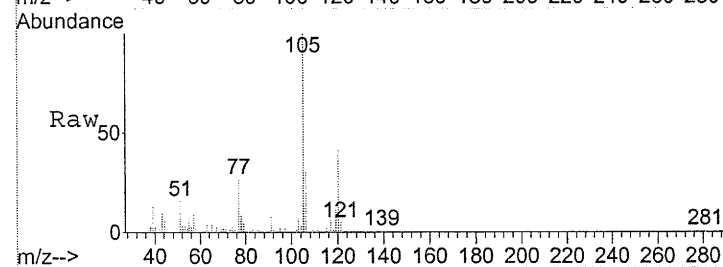
#73
1,3,5-Trimethylbenzene
Concen: 0.41 PPB
RT: 19.12 min Scan# 2986
Delta R.T. -0.02 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

Tgt Ion:105 Resp: 149418
Ion Ratio Lower Upper
105 100
120 51.3 42.2 63.4



#75
1,2,4-Trimethylbenzene
Concen: 1.54 PPB
RT: 20.10 min Scan# 3151
Delta R.T. -0.02 min
Lab File: CI0580.D
Acq: 26 Sep 2005 5:06

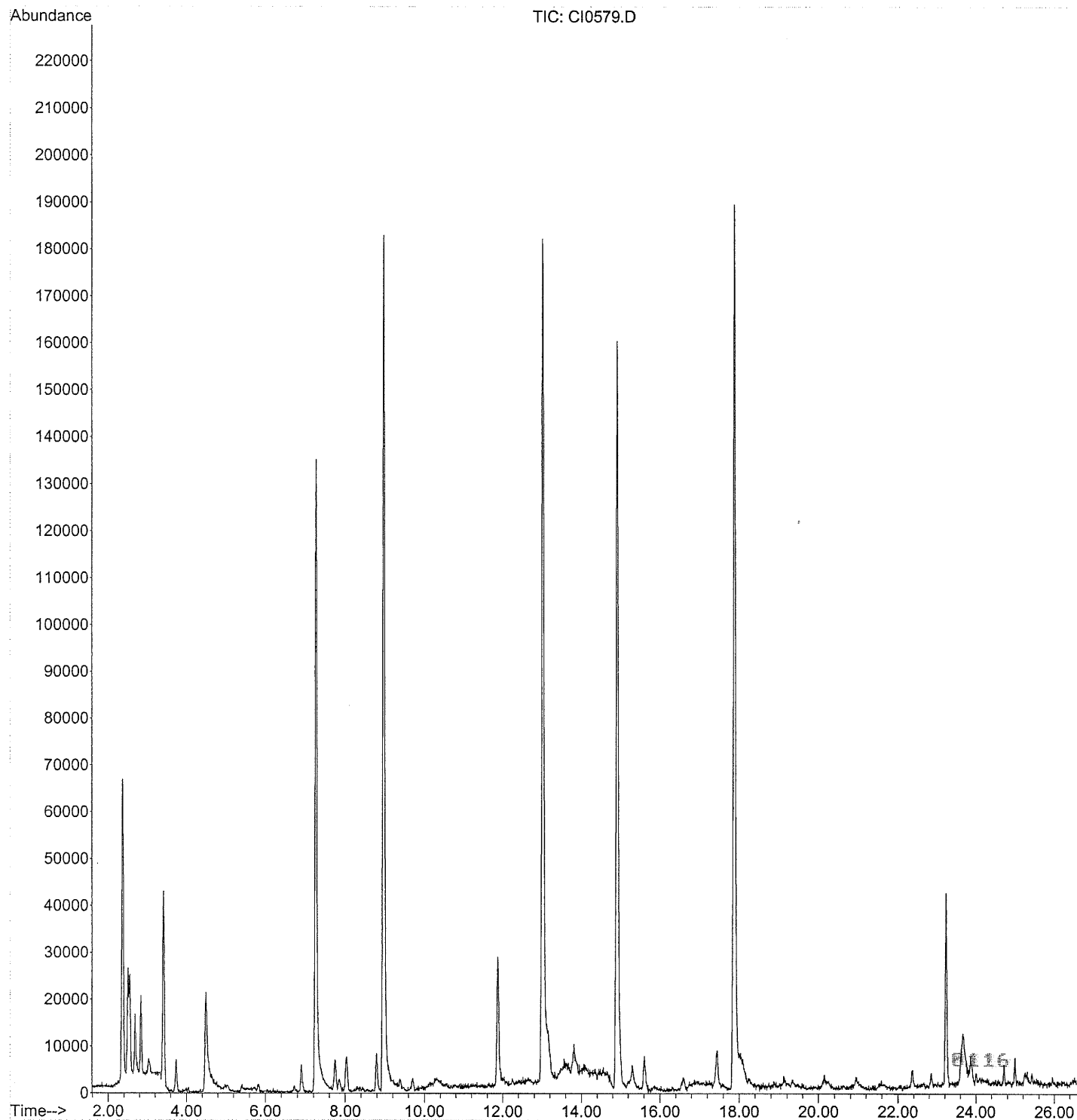
Tgt Ion:105 Resp: 574115
Ion Ratio Lower Upper
105 100
120 35.1 40.5 60.7#



0115

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0579.D
Acq On : 26 Sep 2005 4:28
Operator : JBS
Sample : 4600661 75CC
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 27 21:13:24 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0579.D
Acq On : 26 Sep 2005 4:28
Operator : JBS
Sample : 4600661 75CC
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 27 21:13:24 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.26	130	833067	10.000		-0.02
37) 1,4-Difluorobenzene	8.97	114	2892990	10.000		-0.04
51) Chlorobenzene d5	14.91	117	2191615	10.000		-0.04

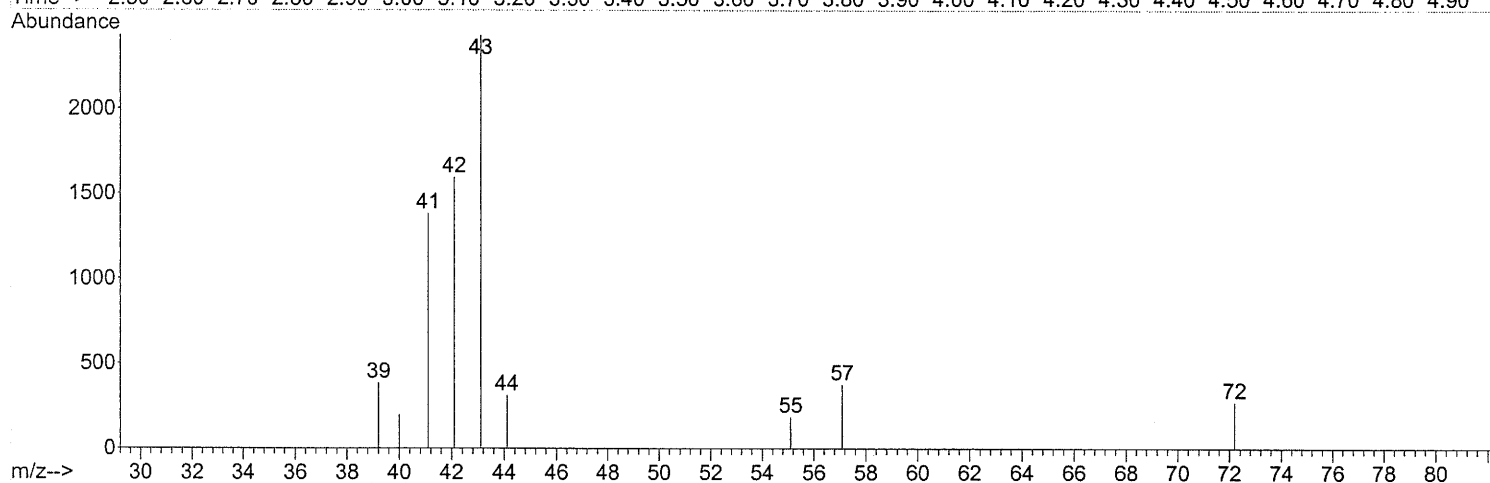
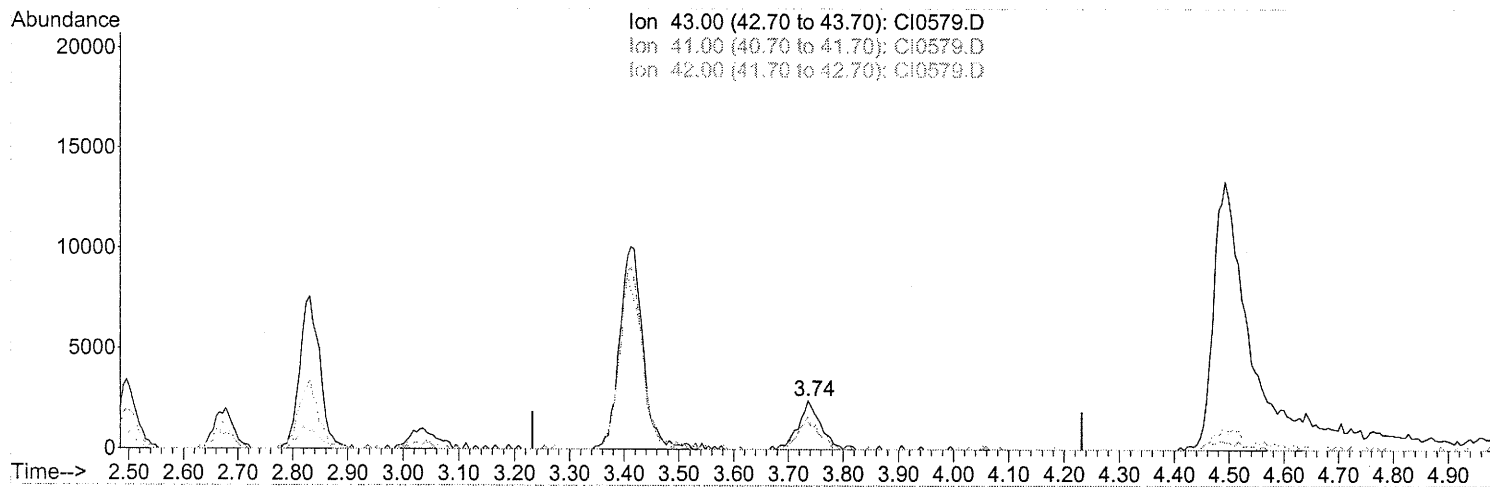
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propene	2.50	41	48609	0.636	PPB	# 16
4) Chlorodifluoromethane	2.55	51	444790	3.046	PPB	94
13) Pentane	3.74	43	67755m	0.399	PPB	
17) Acetone	4.49	43	636648m	5.116	PPB	
30) cis-1,2-Dichloroethene	6.90	61	53309	0.526	PPB	# 90
41) Heptane	8.79	43	66415	0.412	PPB	# 59
52) Toluene	11.87	91	468571	1.212	PPB	94
57) Tetrachloroethene	13.01	166	1186624	4.764	PPB	94
64) m/p-Xylene	15.61	91	87744	0.350	PPB	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

0117

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0579.D
Acq On : 26 Sep 2005 4:28
Operator : JBS
Sample : 4600661 75CC
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 26 08:31:03 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0579.D

(13) Pentane

3.736min (+0.003) 0.40PPB m

response 67755

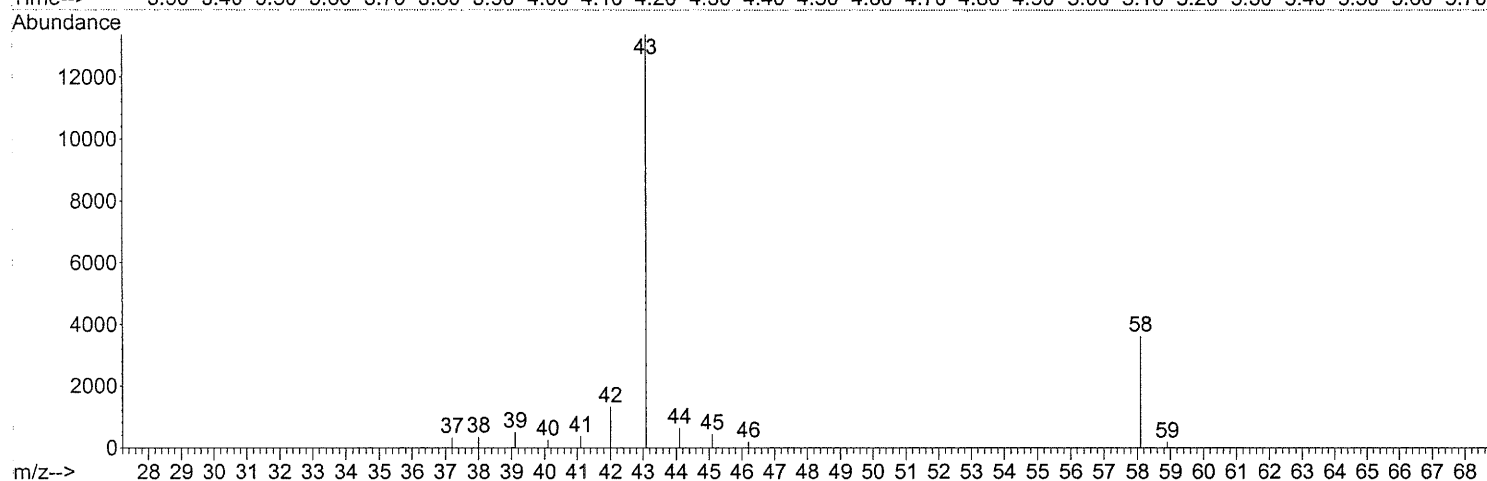
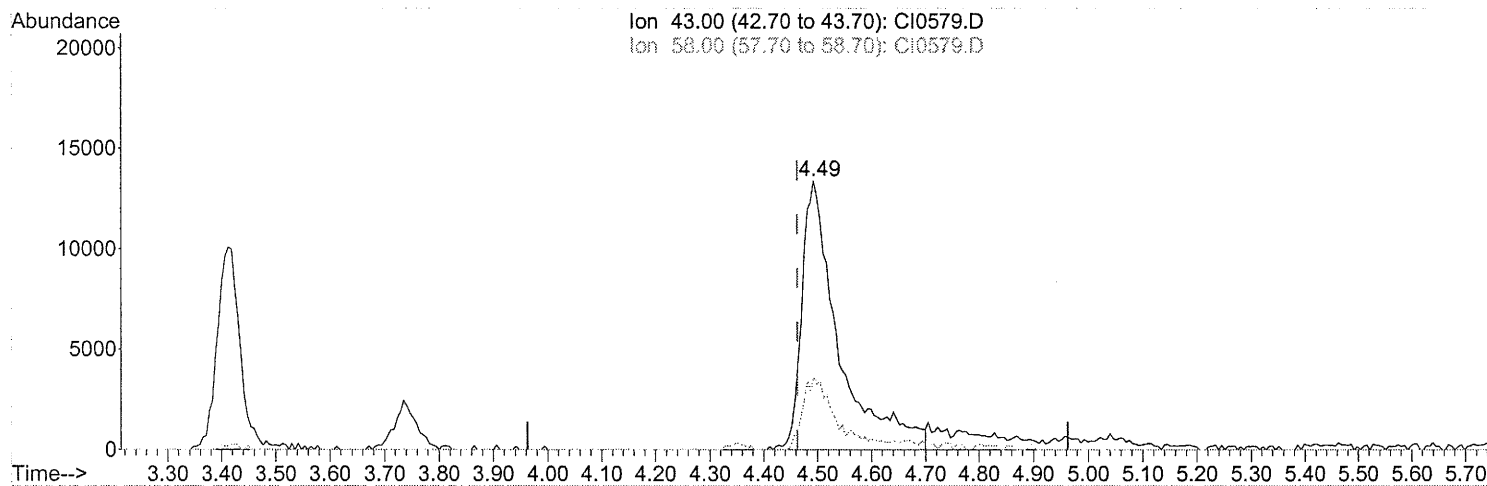
Ion	Exp%	Act%
43.00	100	100
41.00	47.10	0.00#
42.00	59.80	0.00#
0.00	0.00	0.00

*split peak
rechecked
9/27/05
6mm 703
9/29/05*

0118

Data Path : C:\MSDCHEM\1\DATA\SEP25\
Data File : CI0579.D
Acq On : 26 Sep 2005 4:28
Operator : JBS
Sample : 4600661 75CC
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 26 08:31:03 2005
Quant Method : C:\MSDCHEM\1\METHODS\ALLTO15.M
Quant Title :
QLast Update : Mon Sep 26 08:28:19 2005
Response via : Initial Calibration



TIC: CI0579.D

(17) Acetone

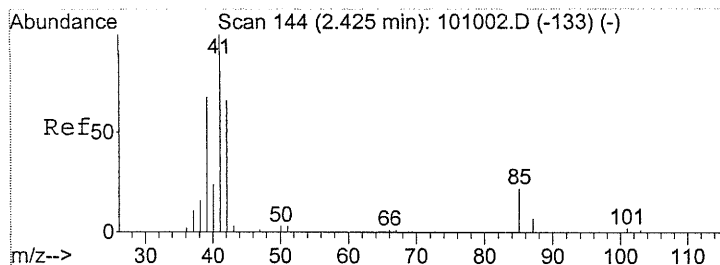
4.494min (+0.031) 5.12PPB m

response 636648

Ion	Exp%	Act%
43.00	100	100
58.00	35.30	16.37#
0.00	0.00	0.00
0.00	0.00	0.00

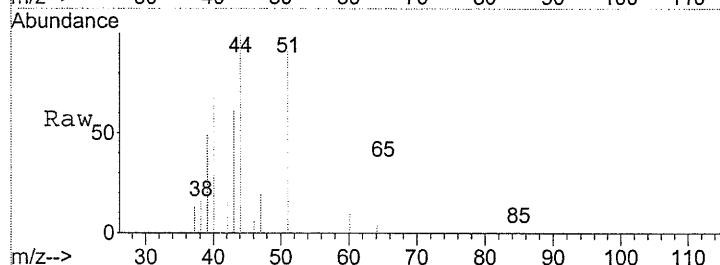
split peak
Rogers
8/27/05
from 753
9/29/05

0119

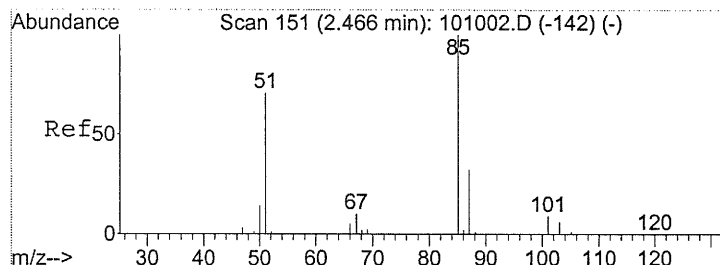
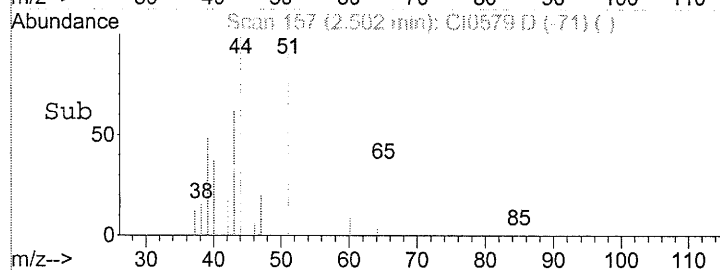
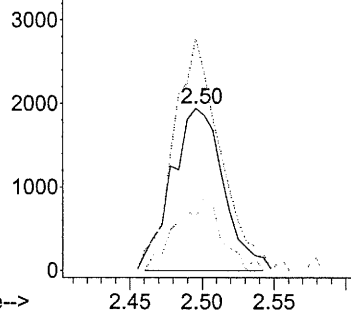


#2
Propene
Concen: 0.64 PPB
RT: 2.50 min Scan# 157
Delta R.T. 0.00 min
Lab File: CI0579.D
Acq: 26 Sep 2005 4:28

Tgt Ion: 41 Resp: 48609
Ion Ratio Lower Upper
41 100
39 129.5 51.6 77.4#
42 0.0 55.0 82.4#

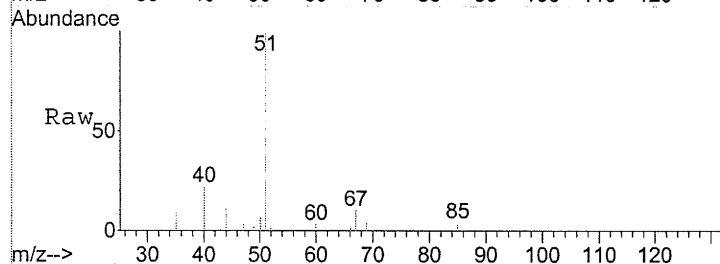


Abundance Ion 41.00 (40.70 to 41.70): ClO
Ion 39.00 (38.70 to 39.70): ClO
Ion 42.00 (41.70 to 42.70): ClO

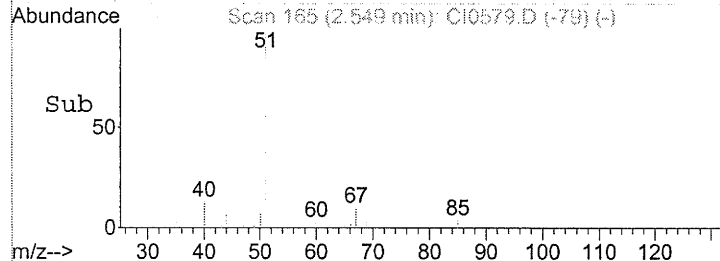
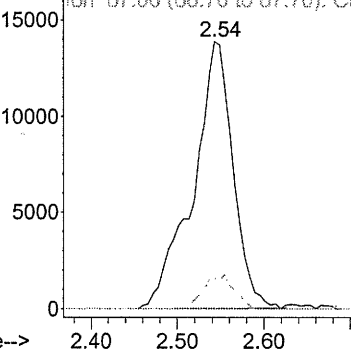


#4
Chlorodifluoromethane
Concen: 3.05 PPB
RT: 2.55 min Scan# 165
Delta R.T. 0.01 min
Lab File: CI0579.D
Acq: 26 Sep 2005 4:28

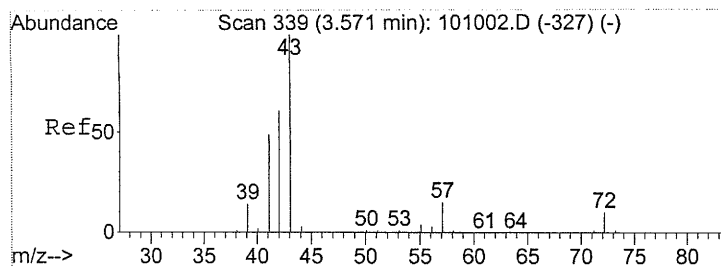
Tgt Ion: 51 Resp: 444790
Ion Ratio Lower Upper
51 100
67 9.8 9.6 14.4



Abundance Ion 51.00 (50.70 to 51.70): ClO
Ion 67.00 (66.70 to 67.70): ClO

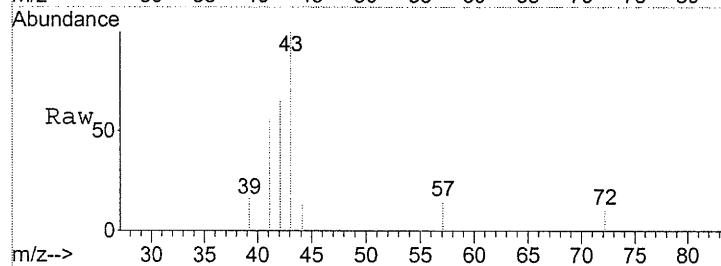


0120

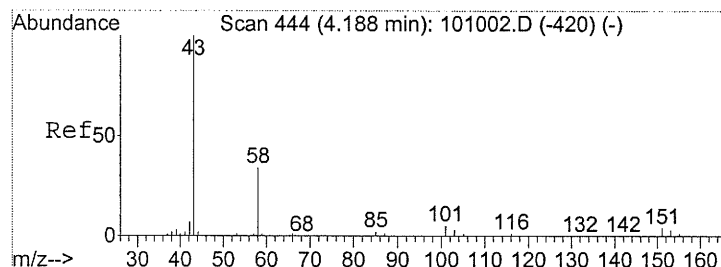
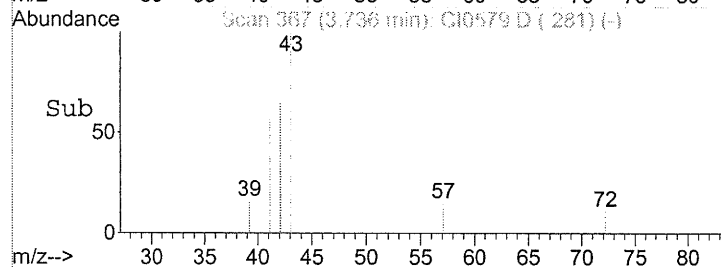
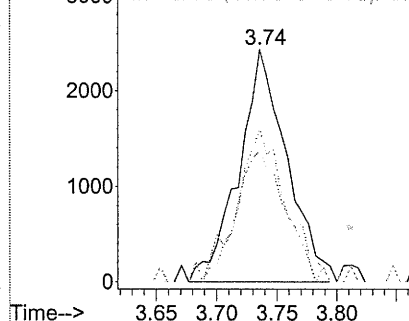


#13
Pentane
Concen: 0.40 PPB m
RT: 3.74 min Scan# 367
Delta R.T. 0.00 min
Lab File: CI0579.D
Acq: 26 Sep 2005 4:28

Tgt Ion: 43 Resp: 67755
Ion Ratio Lower Upper
43 100
41 0.0 37.7 56.5#
42 0.0 47.8 71.8#

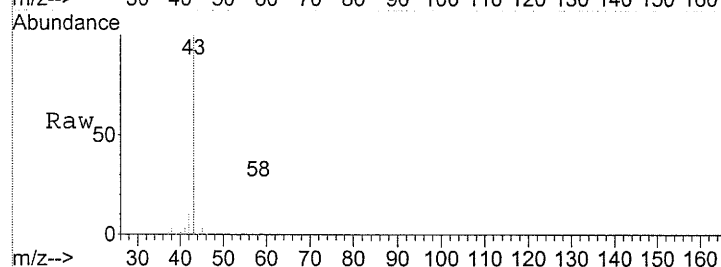


Abundance Ion 43.00 (42.70 to 43.70): C10
Ion 41.00 (40.70 to 41.70): C10
Ion 42.00 (41.70 to 42.70): C10

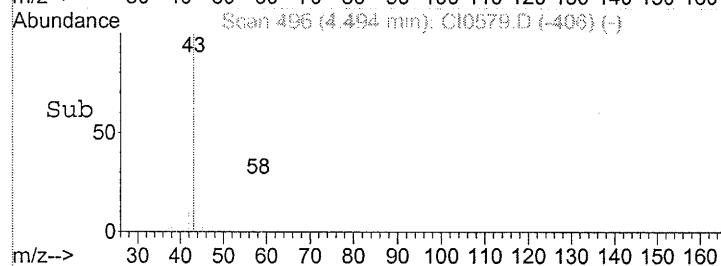
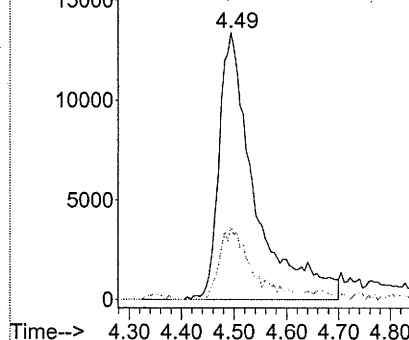


#17
Acetone
Concen: 5.12 PPB m
RT: 4.49 min Scan# 496
Delta R.T. 0.03 min
Lab File: CI0579.D
Acq: 26 Sep 2005 4:28

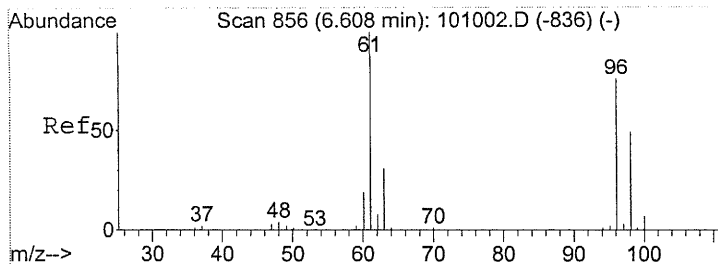
Tgt Ion: 43 Resp: 636648
Ion Ratio Lower Upper
43 100
58 16.4 28.2 42.4#



Abundance Ion 43.00 (42.70 to 43.70): C10
Ion 58.00 (57.70 to 58.70): C10

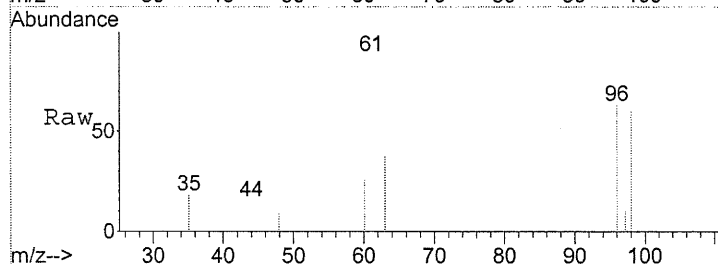


6121

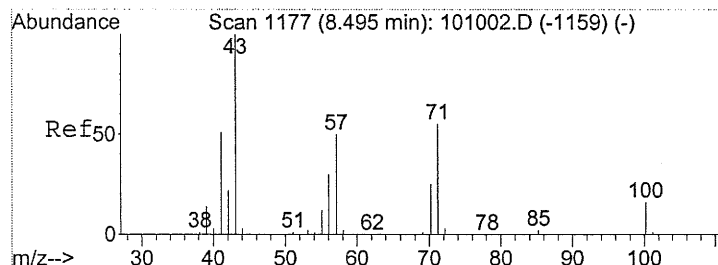
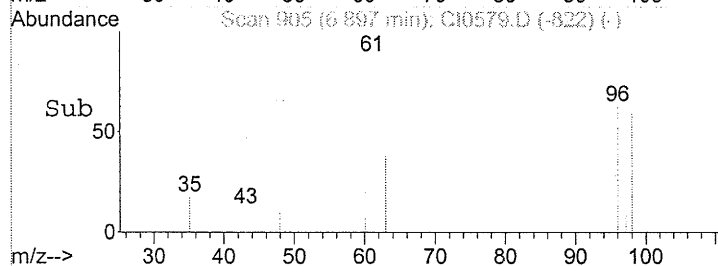
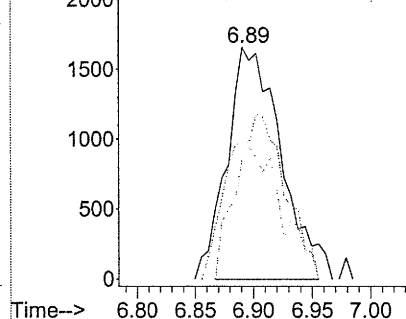


#30
 cis-1,2-Dichloroethene
 Concen: 0.53 PPB
 RT: 6.90 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: CI0579.D
 Acq: 26 Sep 2005 4:28

Tgt Ion: 61 Resp: 53309
 Ion Ratio Lower Upper
 61 100
 96 73.6 53.8 80.8
 98 52.6 34.8 52.2#

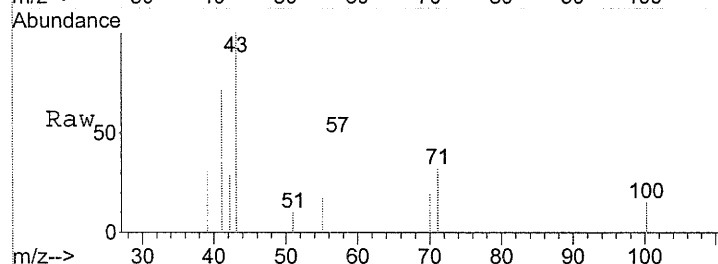


Abundance Ion 61.00 (60.70 to 61.70): CI0
 Ion 96.00 (95.70 to 96.70): CI0
 Ion 98.00 (97.70 to 98.70): CI0

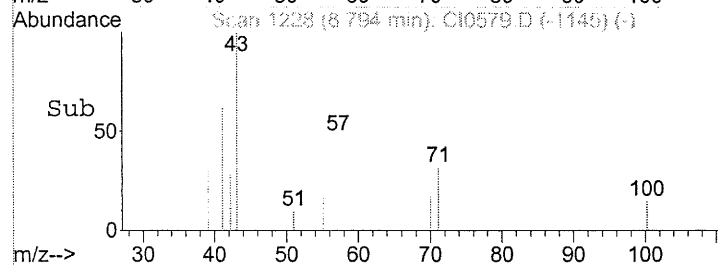
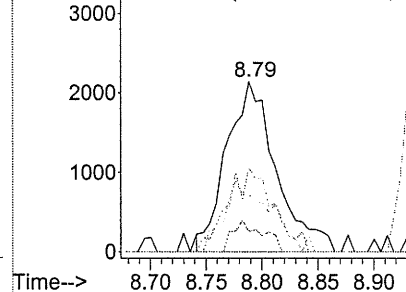


#41
 Heptane
 Concen: 0.41 PPB
 RT: 8.79 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: CI0579.D
 Acq: 26 Sep 2005 4:28

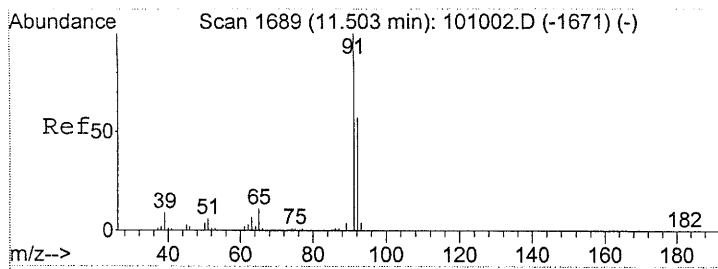
Tgt Ion: 43 Resp: 66415
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.4 59.2#
 71 38.4 30.1 45.1
 100 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): CI0
 Ion 57.00 (56.70 to 57.70): CI0
 Ion 71.00 (70.70 to 71.70): CI0
 Ion 100.00 (99.70 to 100.70): C

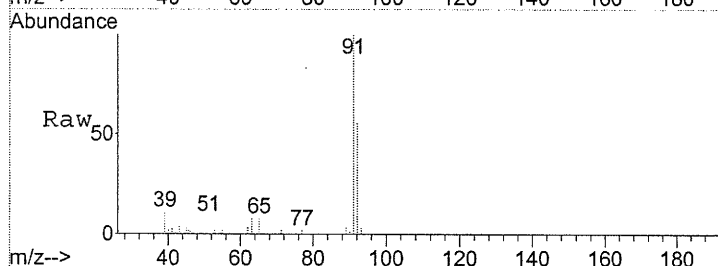


0122

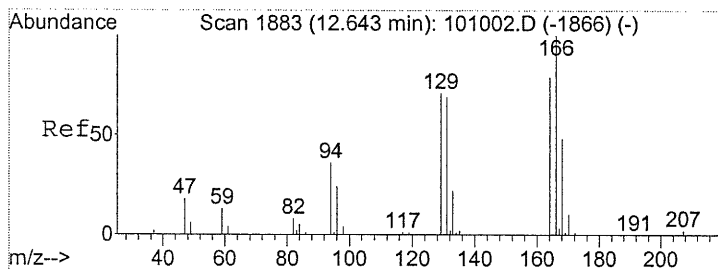
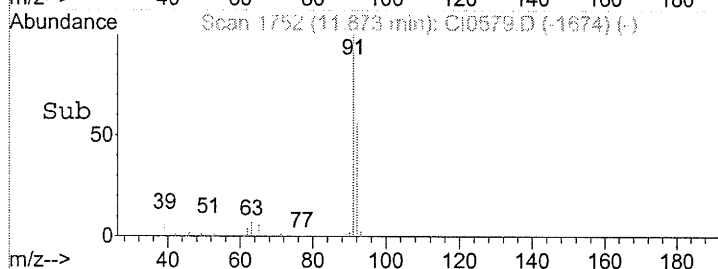
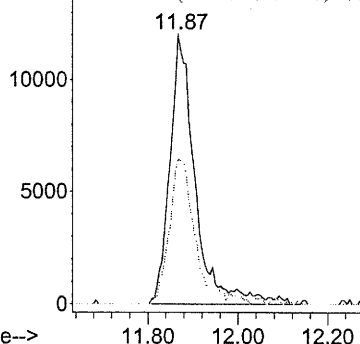


#52
Toluene
Concen: 1.21 PPB
RT: 11.87 min Scan# 1752
Delta R.T. -0.04 min
Lab File: CI0579.D
Acq: 26 Sep 2005 4:28

Tgt Ion: 91 Resp: 468571
Ion Ratio Lower Upper
91 100
92 54.2 47.2 70.8

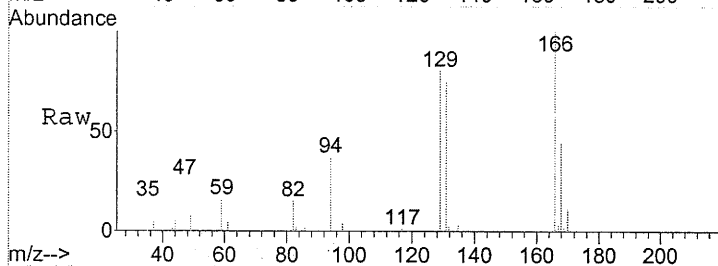


Abundance Ion 91.00 (90.70 to 91.70): CI0
Ion 92.00 (91.70 to 92.70): CI0

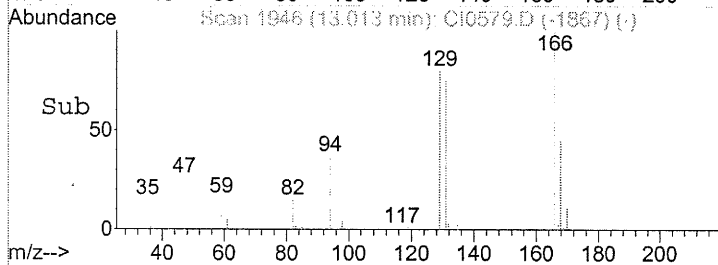
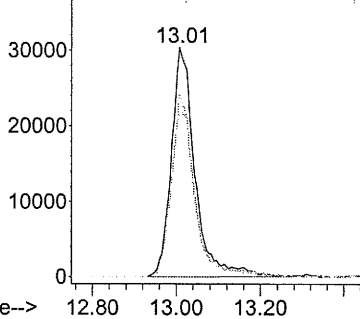


#57
Tetrachloroethene
Concen: 4.76 PPB
RT: 13.01 min Scan# 1946
Delta R.T. -0.03 min
Lab File: CI0579.D
Acq: 26 Sep 2005 4:28

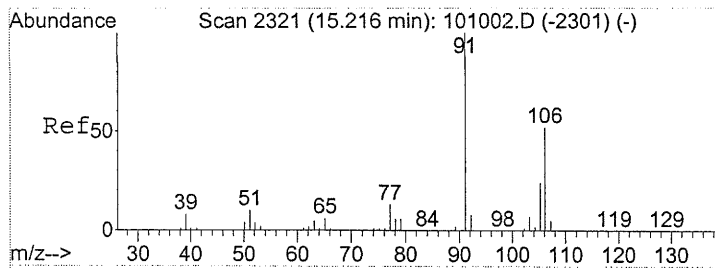
Tgt Ion: 166 Resp: 1186624
Ion Ratio Lower Upper
166 100
164 70.7 63.2 94.8
131 75.8 59.0 88.4



Abundance Ion 166.00 (165.70 to 166.70): CI
Ion 164.00 (163.70 to 164.70): CI
Ion 131.00 (130.70 to 131.70): CI



0123



#64

m/p-Xylene

Concen: 0.35 PPB

RT: 15.61 min Scan# 2388

Delta R.T. -0.04 min

Lab File: CI0579.D

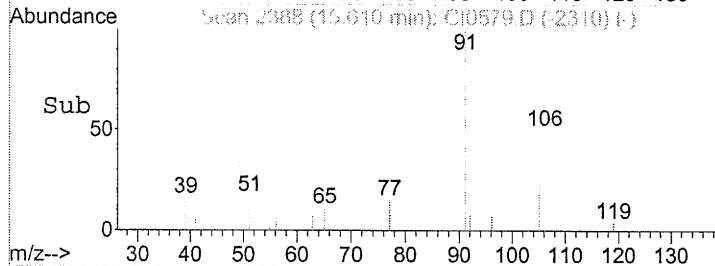
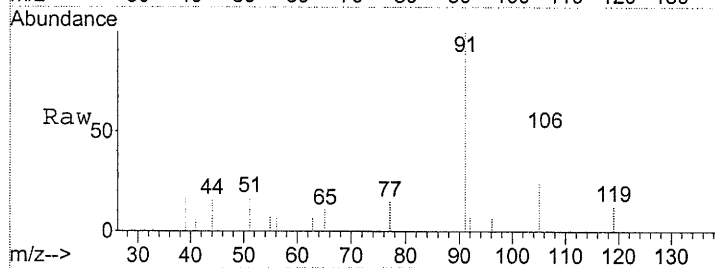
Acq: 26 Sep 2005 4:28

Tgt Ion: 91 Resp: 87744

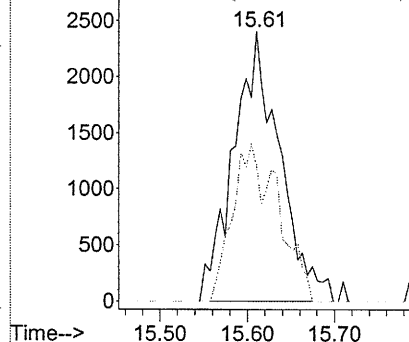
Ion Ratio Lower Upper

91 100

106 57.9 43.1 64.7



Abundance Ion 91.00 (90.70 to 91.70): CI0



0124

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

Sample No.: BASMA Date Collected: 09/09/05 Date Received: 09/12/05
Lab Sample ID: 4600662 Date Analyzed: 09/26/05 Time Analyzed: 06:21
Canister ID: SUMMA0342 Pressure Rec'd: 13.9 psia Final Pressure: 27.9 psia
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP0946 Lab File ID: C:\MSDCHEM\1\DATA\SEP25\CI0582.D

CAS RN	COMPOUND NAME	CONCENTRATION	UNITS: MDL ug/m3	Q
75-71-8	Dichlorodifluoromethane	3		J
76-14-2	Freon 114	7		
74-87-3	Chloromethane	2		J
75-01-4	Vinyl Chloride	10		
74-83-9	Bromomethane	0.8		U
75-00-3	Chloroethane	0.5		U
75-69-4	Trichlorodifluoromethane	1		J
75-35-4	1,1-Dichloroethene	0.8		U
76-13-1	Freon 113	4		U
107-05-1	3-Chloropropene	2		U
75-09-2	Methylene Chloride	2		J
75-34-3	1,1-Dichloroethane	0.8		U
156-59-2	cis-1,2-Dichloroethene	120		
67-66-3	Chloroform	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
107-06-2	1,2-Dichloroethane	21		
71-43-2	Benzene	3		J
79-01-6	Trichloroethene	20		
78-87-5	1,2-Dichloropropane	0.9		U
10061-01-5	cis-1,3-Dichloropropene	0.9		U
108-88-3	Toluene	92		
10061-02-6	trans-1,3-Dichloropropene	0.9		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1200		D
106-93-4	1,2-Dibromoethane	2		U
108-90-7	Chlorobenzene	0.9		U
100-41-4	Ethylbenzene	14		
1330-20-7	m/p-Xylene	30		
95-47-6	o-Xylene	11		
100-42-5	Styrene	16		
79-34-5	1,1,2,2-Tetrachloroethane	1		U
622-96-8	4-Ethyltoluene	5		J
108-67-8	1,3,5-Trimethylbenzene	3		J

U = Compound was undetected at the specified limit of quantitation.

B = Compound was found in method blank. D = analysis of diluted sample.

J = Compound was detected, but below the limit of quantitation.

LANCASTER LABORATORIES
VOLATILE ORGANICS IN AIR
SUMMA CANISTER SAMPLE
ANALYSIS DATA SHEET

Sample No.: BASMA Date Collected: 09/09/05 Date Received: 09/12/05
Lab Sample ID: 4600662 Date Analyzed: 09/26/05 Time Analyzed: 06:21
Canister ID: SUMMA0342 Pressure Rec'd: 13.9 psia Final Pressure: 27.9 psia
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP0946 Lab File ID: C:\MSDCHEM\1\DATA\SEP25\CI0582.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ug/m3	Q
95-63-6	1,2,4-Trimethylbenzene	11	
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
95-50-1	1,2-Dichlorobenzene	3	U
120-82-1	1,2,4-Trichlorobenzene	7	U

U = Compound was undetected at the specified limit of quantitation.

B = Compound was found in method blank. D = analysis of diluted sample.

J = Compound was detected, but below the limit of quantitation.