

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
 Data File : VU023686.D
 Acq On : 06 May 2018 12:49
 Operator : MD/SY
 Sample : J2721-18
 Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 0 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.082	135	153	175	rBV	1114820	1256472	4.48%	0.463%
2	1.268	206	211	236	rVB	10287	18293	0.07%	0.007%
3	1.394	243	250	270	rVB	123899	166134	0.59%	0.061%
4	1.641	322	327	340	rBV	70348	84921	0.30%	0.031%
5	2.236	501	512	526	rBV	228956	355170	1.27%	0.131%
6	3.275	823	835	849	rBV3	6940	14287	0.05%	0.005%
7	4.194	1107	1121	1169	rVV	78766	277928	0.99%	0.102%
8	4.648	1243	1262	1292	rVB	169970	438222	1.56%	0.162%
9	4.976	1351	1364	1378	rVV3	9323	20625	0.07%	0.008%
10	5.207	1423	1436	1453	rBV4	12808	31005	0.11%	0.011%
11	5.336	1453	1476	1508	rVV2	407334	1160527	4.14%	0.428%
12	5.612	1551	1562	1587	rVB7	7420	17183	0.06%	0.006%
13	5.776	1599	1613	1632	rBV	37889	75418	0.27%	0.028%
14	5.886	1632	1647	1675	rBV	406174	864092	3.08%	0.319%
15	6.181	1726	1739	1749	rBV7	3875	8359	0.03%	0.003%
16	6.265	1752	1765	1772	rVV4	9056	19303	0.07%	0.007%
17	6.332	1773	1786	1800	rVV	247186	531951	1.90%	0.196%
18	6.410	1802	1810	1823	rVV3	84094	178699	0.64%	0.066%
19	6.471	1823	1829	1838	rVV3	15033	27765	0.10%	0.010%
20	6.529	1839	1847	1862	rVB3	19393	36206	0.13%	0.013%
21	6.638	1872	1881	1893	rVB5	6615	13405	0.05%	0.005%
22	6.731	1893	1910	1925	rVB6	15665	37853	0.14%	0.014%
23	6.902	1950	1963	1984	rVB7	13918	34934	0.12%	0.013%
24	7.101	2016	2025	2034	rBV3	13600	23913	0.09%	0.009%
25	7.178	2040	2049	2056	rBV	72257	120517	0.43%	0.044%
26	7.230	2057	2065	2081	rVB2	142729	286385	1.02%	0.106%
27	7.342	2091	2100	2120	rVB	65470	133256	0.48%	0.049%
28	7.529	2144	2158	2161	rBV2	117352	185682	0.66%	0.068%
29	7.567	2162	2170	2181	rVV	556491	1035238	3.69%	0.382%
30	7.641	2181	2193	2229	rVB	1639259	3163236	11.29%	1.167%
31	7.821	2239	2249	2256	rBV	222260	369105	1.32%	0.136%
32	7.918	2271	2279	2293	rVB2	73983	135835	0.48%	0.050%
33	8.046	2306	2319	2331	rBV2	59888	108739	0.39%	0.040%
34	8.229	2365	2376	2390	rBV	100041	172773	0.62%	0.064%

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Integrator: RTE
 Smoothing : OFF
 Sampling : 1
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Filtering: 5
 Min Area: 0 % of largest Peak
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Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Title : VOC Analysis

35	8.329	2393	2407	2434	rBV	435794	828975	2.96%	0.306%
36	8.458	2437	2447	2450	rBV	70449	110273	0.39%	0.041%
37	8.545	2466	2474	2485	rVB	147430	250476	0.89%	0.092%
38	8.609	2485	2494	2503	rBV	73553	122931	0.44%	0.045%
39	8.760	2532	2541	2549	rBV4	15726	26501	0.09%	0.010%
40	8.818	2549	2559	2563	rBV	63096	100480	0.36%	0.037%
41	8.911	2580	2588	2603	rVB2	278829	479698	1.71%	0.177%
42	9.033	2615	2626	2635	rBV	214594	352031	1.26%	0.130%
43	9.098	2635	2646	2664	rVV	620732	1116500	3.98%	0.412%
44	9.255	2682	2695	2719	rBV	3247235	5798969	20.70%	2.139%
45	9.384	2720	2735	2748	rVV	16018726	28020034	100.00%	10.334%
46	9.445	2749	2754	2782	rVB	952829	1502513	5.36%	0.554%
47	9.570	2782	2793	2807	rBV3	30718	56742	0.20%	0.021%
48	9.657	2812	2820	2826	rBV3	14938	24894	0.09%	0.009%
49	9.721	2827	2840	2848	rBV4	171886	329913	1.18%	0.122%
50	9.786	2848	2860	2883	rVB	6698647	11244746	40.13%	4.147%
51	9.956	2895	2913	2923	rBV3	225142	439338	1.57%	0.162%
52	10.049	2934	2942	2950	rBV3	170414	275921	0.98%	0.102%
53	10.172	2969	2980	2990	rBV	212535	359753	1.28%	0.133%
54	10.445	3053	3065	3076	rBV2	447184	959357	3.42%	0.354%
55	10.593	3103	3111	3121	rBV	282989	425898	1.52%	0.157%
56	10.686	3131	3140	3157	rBV	1268586	2776954	9.91%	1.024%
57	10.779	3158	3169	3174	rVV	808158	1358622	4.85%	0.501%
58	10.818	3175	3181	3203	rVB	1320345	1900998	6.78%	0.701%
59	10.979	3221	3231	3240	rBV	585780	942141	3.36%	0.347%
60	11.120	3268	3275	3276	rBV	243850	244436	0.87%	0.090%
61	11.155	3277	3286	3299	rVB	4171483	6314298	22.53%	2.329%
62	11.297	3315	3330	3335	rBV2	190545	446859	1.59%	0.165%
63	11.397	3353	3361	3366	rBV3	211738	348802	1.24%	0.129%
64	11.432	3367	3372	3381	rVV	452444	649852	2.32%	0.240%
65	11.487	3381	3389	3399	rVV3	945208	1457193	5.20%	0.537%
66	11.577	3408	3417	3426	rBV	3079785	4506660	16.08%	1.662%
67	11.786	3467	3482	3485	rBV3	2504166	4610787	16.46%	1.700%
68	11.815	3486	3491	3500	rVB	5373596	7443121	26.56%	2.745%
69	11.882	3500	3512	3532	rVB3	9499711	19687933	70.26%	7.261%
70	11.988	3536	3545	3551	rBV	467916	709562	2.53%	0.262%
71	12.033	3551	3559	3561	rBV	766976	924124	3.30%	0.341%

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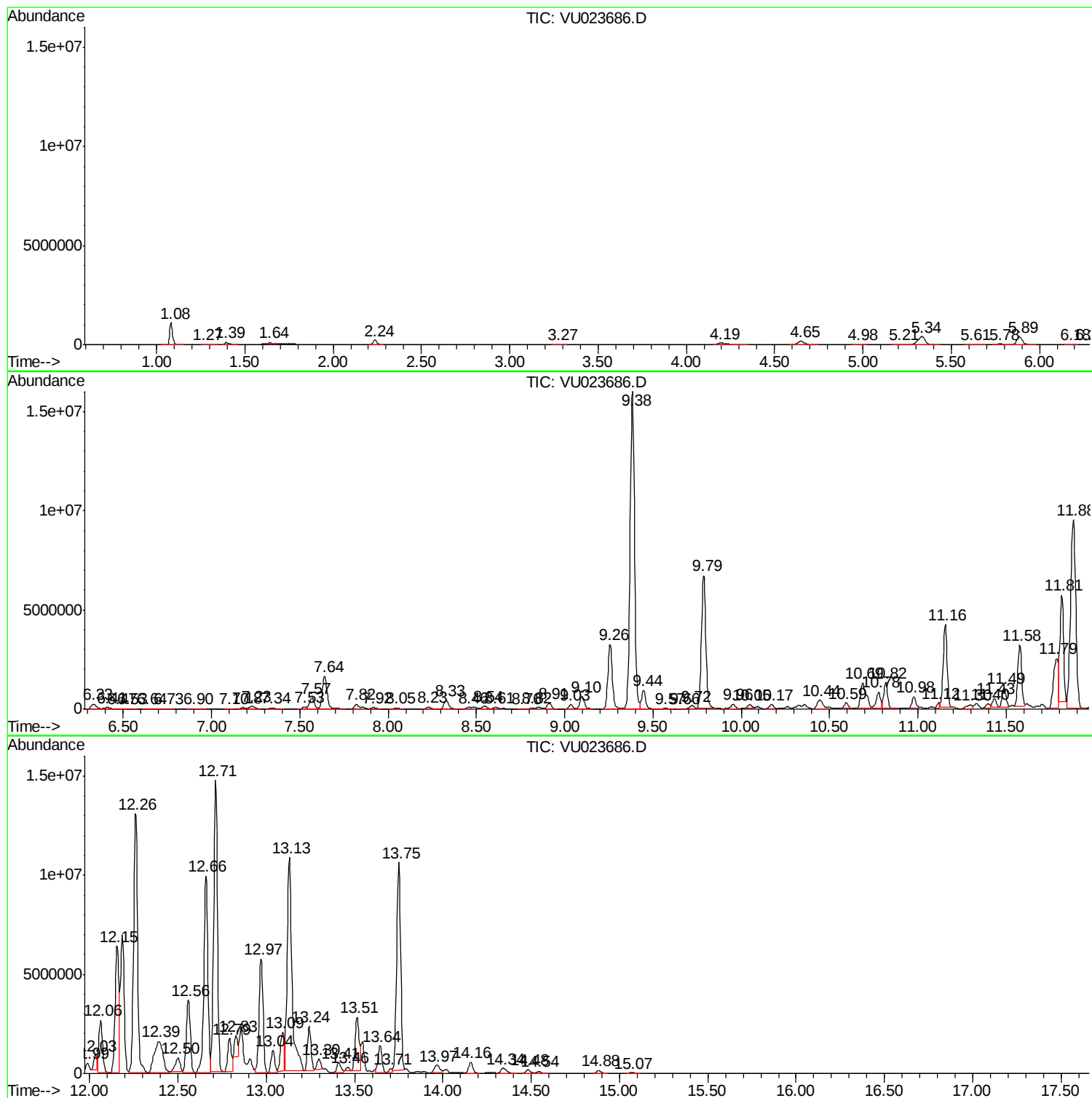
72	12.062	3562	3568	3584	rVB	2643472	3925235	14.01%	1.448%
73	12.152	3585	3596	3601	rBV	6367565	9943190	35.49%	3.667%
74	12.258	3617	3629	3652	rVB	13059742	20420121	72.88%	7.531%
75	12.390	3652	3670	3690	rBV6	1572849	5282784	18.85%	1.948%
76	12.499	3691	3704	3712	rBV3	708585	1332324	4.75%	0.491%
77	12.557	3712	3722	3733	rVB	3656117	5586066	19.94%	2.060%
78	12.657	3734	3753	3761	rBV	9927857	15765261	56.26%	5.814%
79	12.712	3761	3770	3785	rVB	14697179	21705441	77.46%	8.005%
80	12.792	3786	3795	3800	rBV	1657392	2425475	8.66%	0.895%
81	12.827	3801	3806	3810	rBV	1094714	1308425	4.67%	0.483%
82	12.969	3840	3850	3862	rVB2	5726297	8675336	30.96%	3.199%
83	13.036	3862	3871	3879	rBV2	1102254	1587686	5.67%	0.586%
84	13.091	3879	3888	3891	rVV3	1973744	2875910	10.26%	1.061%
85	13.130	3892	3900	3926	rVB3	10768527	20709965	73.91%	7.638%
86	13.242	3926	3935	3944	rBV	2269966	3224932	11.51%	1.189%
87	13.297	3945	3952	3960	rVB2	517622	763343	2.72%	0.282%
88	13.409	3978	3987	3996	rBV2	506929	856148	3.06%	0.316%
89	13.461	3998	4003	4009	rVB	190128	232828	0.83%	0.086%
90	13.512	4009	4019	4025	rBV2	2701716	4359307	15.56%	1.608%
91	13.644	4052	4060	4070	rVB	1358691	2048335	7.31%	0.755%
92	13.705	4071	4079	4081	rBV2	204991	252187	0.90%	0.093%
93	13.750	4082	4093	4103	rVB	10447793	16182507	57.75%	5.968%
94	13.966	4148	4160	4170	rBV5	390772	893865	3.19%	0.330%
95	14.155	4209	4219	4234	rVB	562414	896447	3.20%	0.331%
96	14.342	4266	4277	4302	rVB3	261487	575672	2.05%	0.212%
97	14.480	4311	4320	4331	rBV	180329	292058	1.04%	0.108%
98	14.541	4332	4339	4355	rVB2	93375	151977	0.54%	0.056%
99	14.882	4435	4445	4460	rBV	158550	251529	0.90%	0.093%
100	15.065	4494	4502	4518	rVB2	40187	75802	0.27%	0.028%

Sum of corrected areas: 271151872

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Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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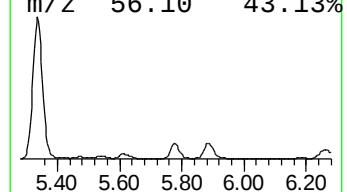
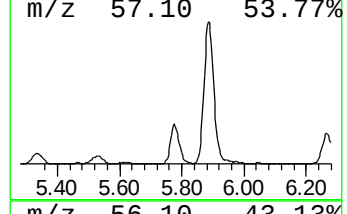
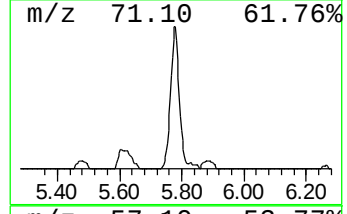
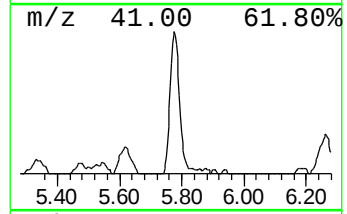
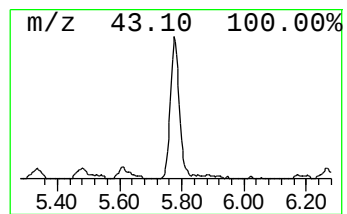
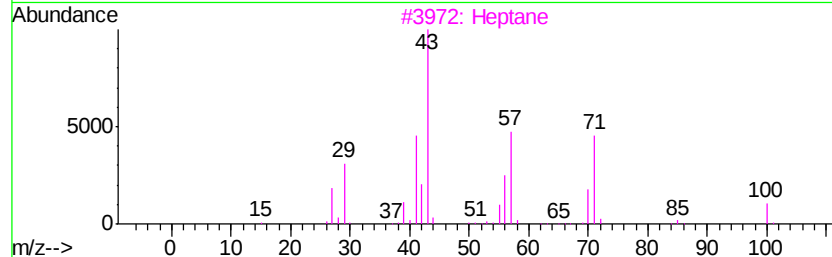
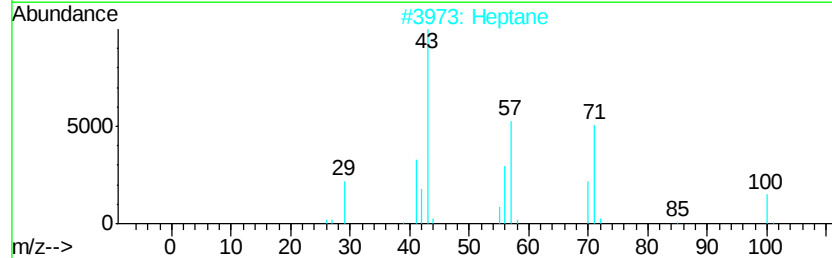
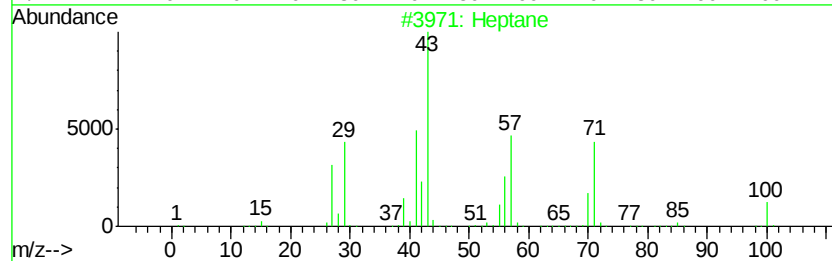
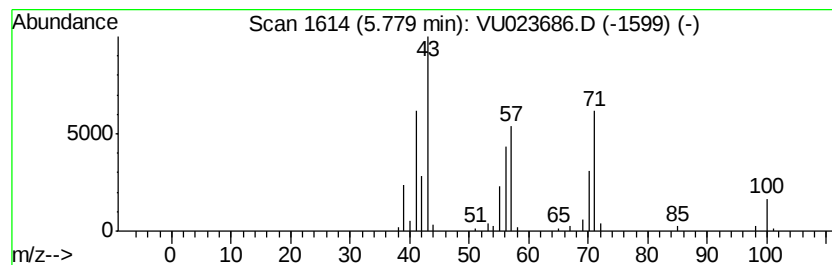
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	4.36 ug/L	75418	1,4-Difluorobenzene	5.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	87
2		Heptane	100	C7H16	000142-82-5	86
3		Heptane	100	C7H16	000142-82-5	72
4		Heptane	100	C7H16	000142-82-5	72
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	53



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ALS Vial : 6 Sample Multiplier: 1

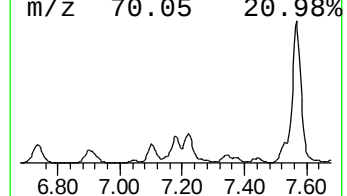
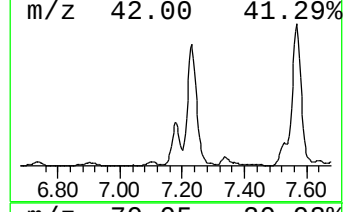
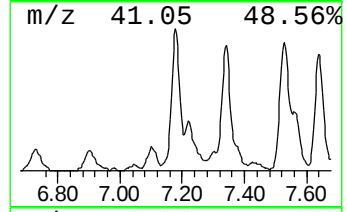
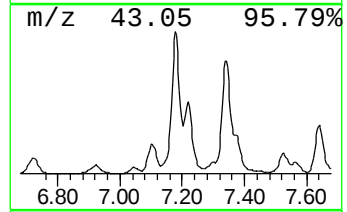
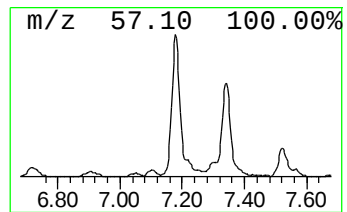
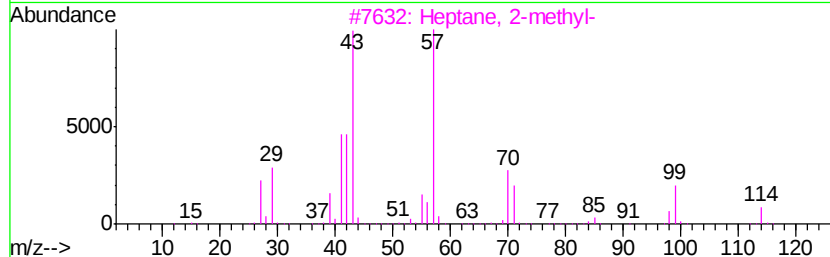
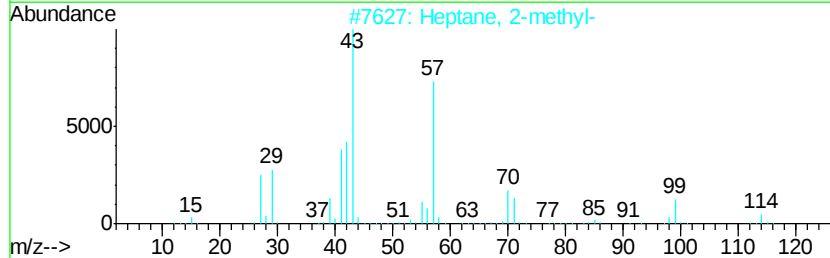
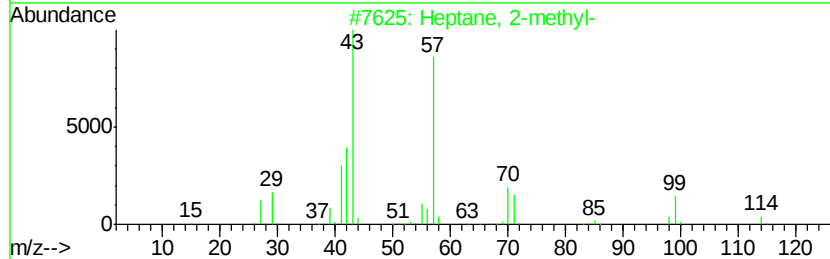
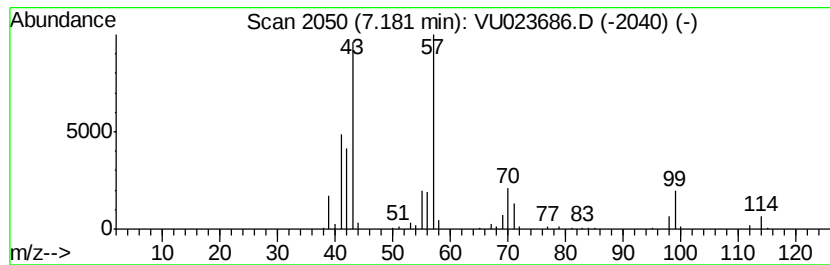
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	6.97 ug/L	120517	1,4-Difluorobenzene	5.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	72
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	45
5		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	45



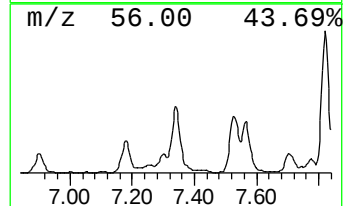
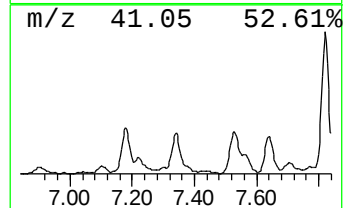
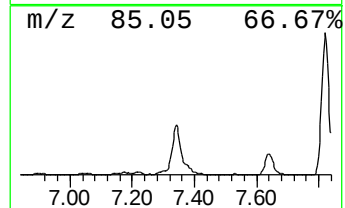
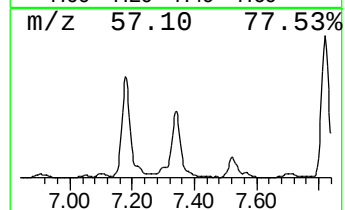
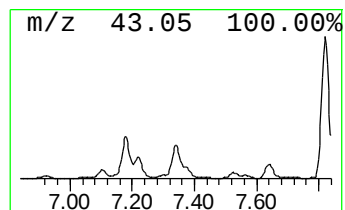
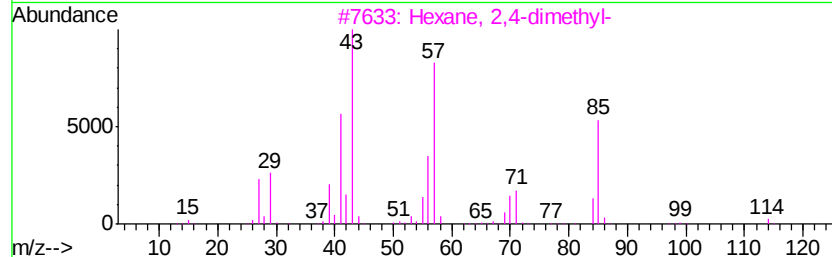
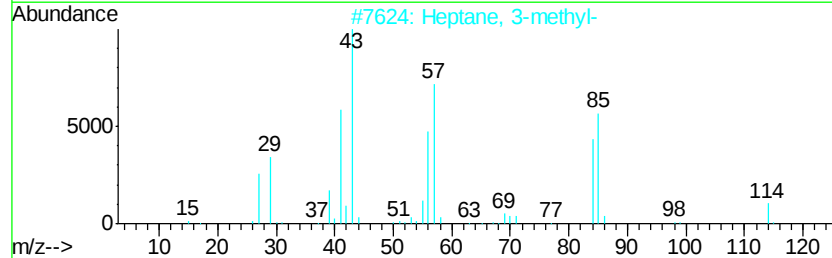
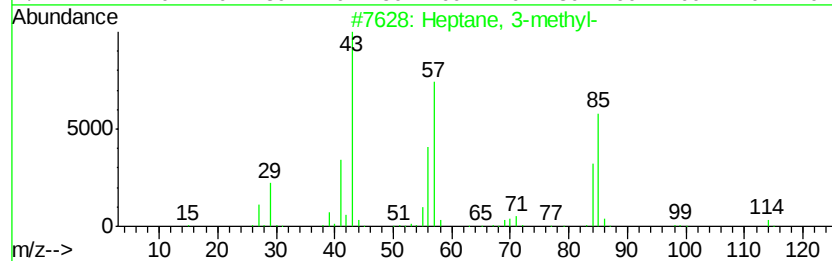
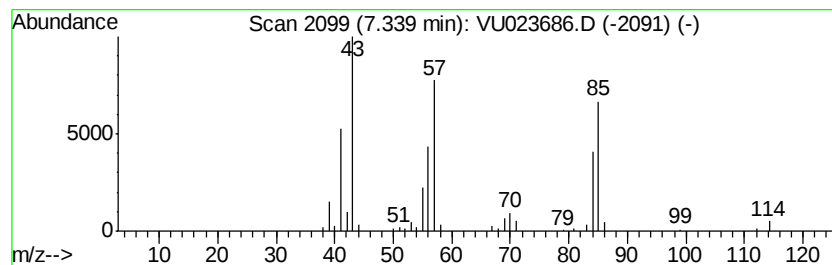
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TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.34	7.71 ug/L	133256	1,4-Difluorobenzene	5.89	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	53



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

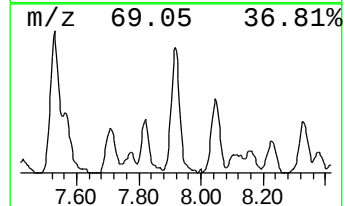
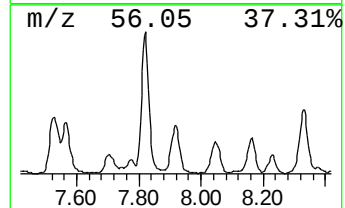
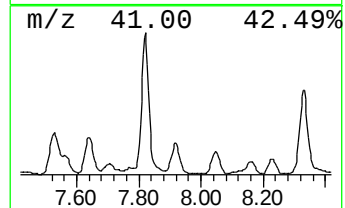
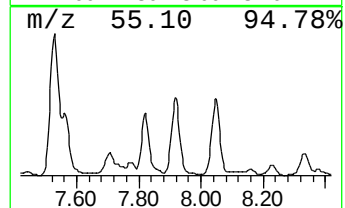
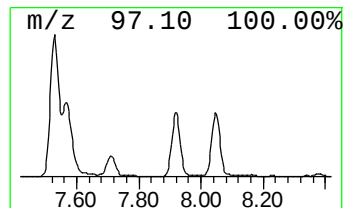
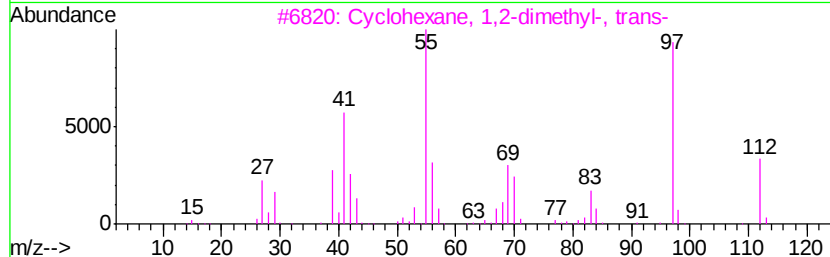
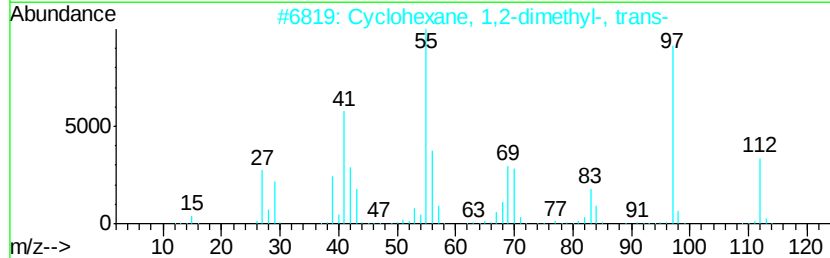
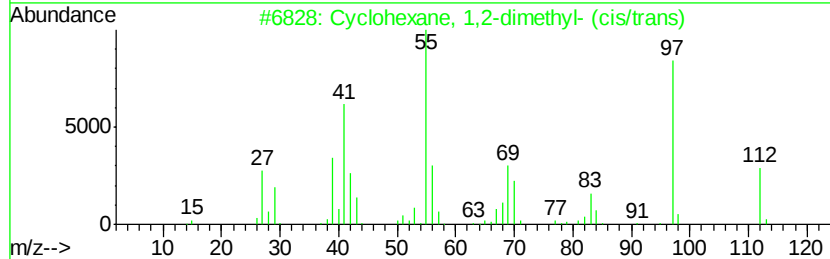
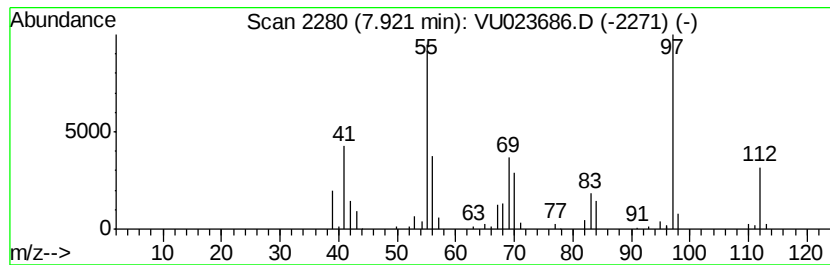
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Cyclic7.92 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	6.08 ug/L	135835	Chlorobenzene-d5	9.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	95
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
4		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	95
5		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

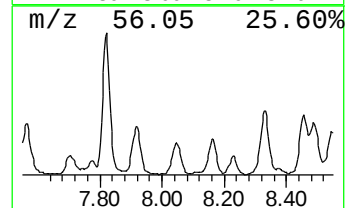
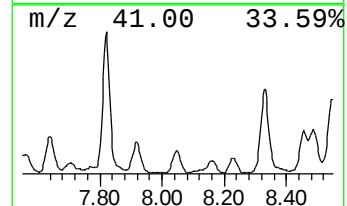
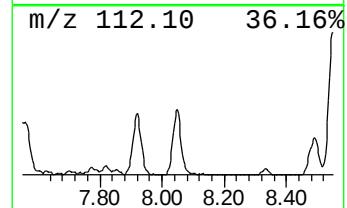
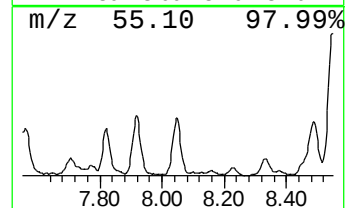
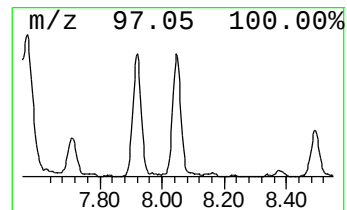
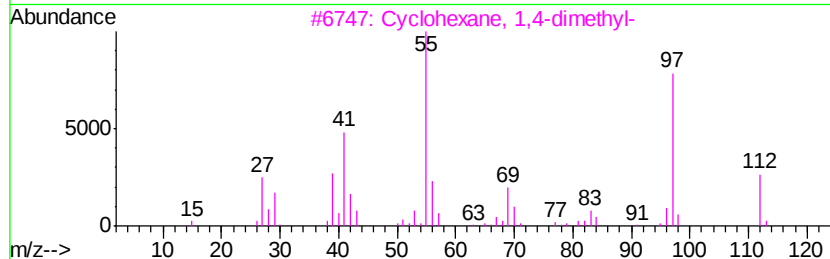
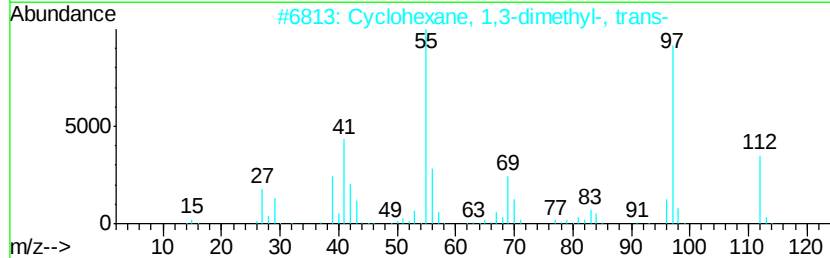
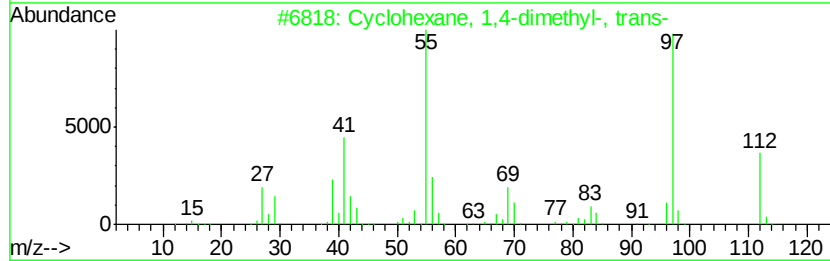
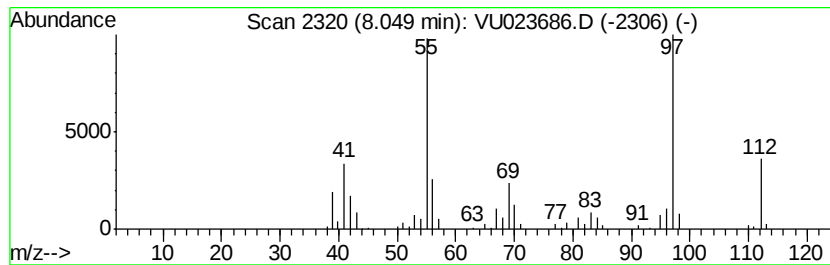
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Cyclic8.05 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	4.87 ug/L	108739	Chlorobenzene-d5	9.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

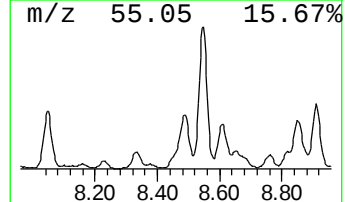
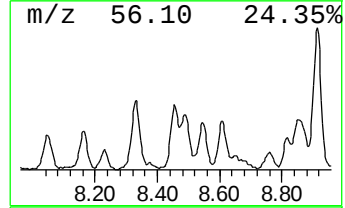
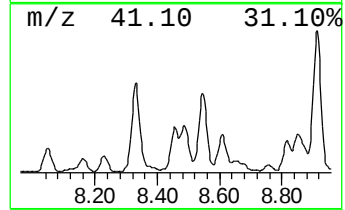
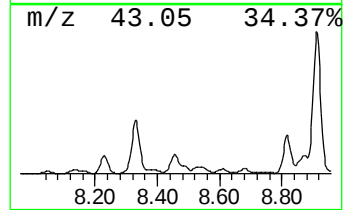
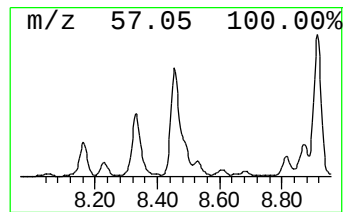
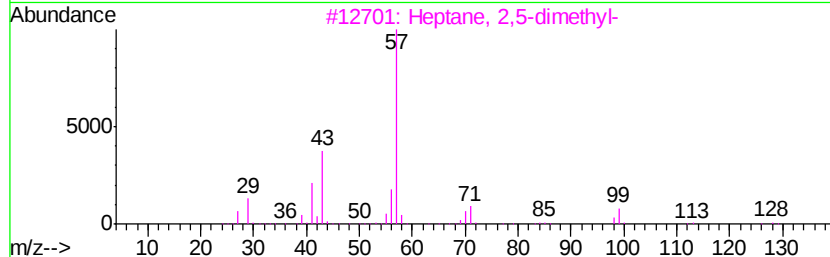
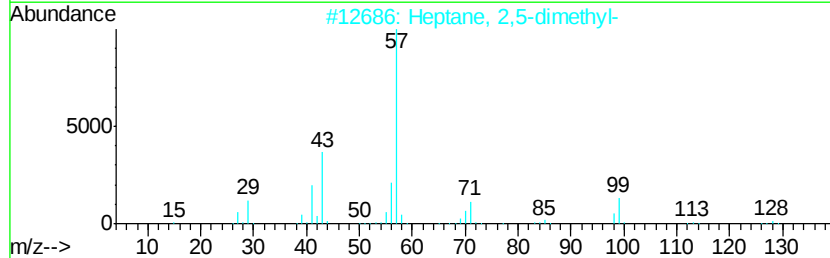
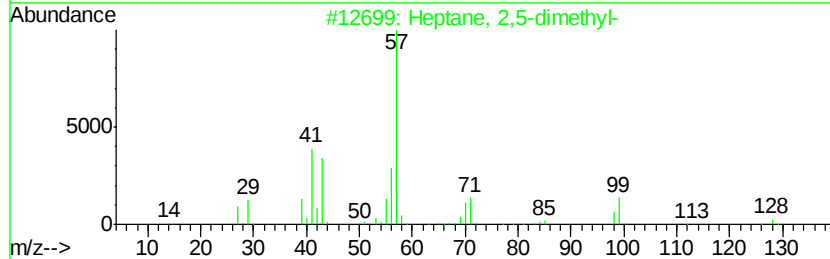
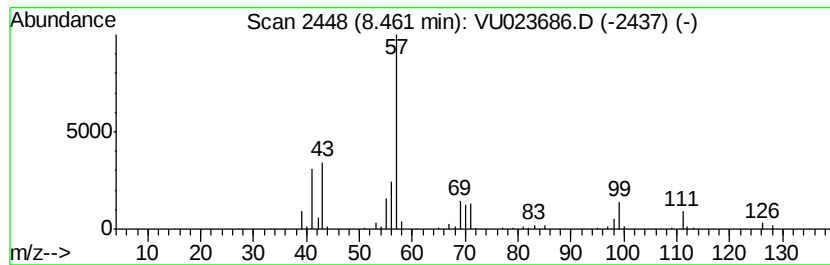
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	4.94 ug/L	110273	Chlorobenzene-d5	9.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	87
2	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	87
3	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	72
4	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	68
5	Heptane, 3,5-dimethyl-			128	C9H20	000926-82-9	62



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

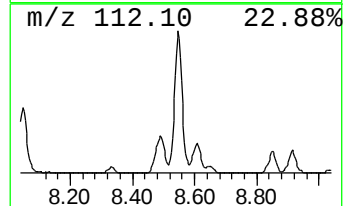
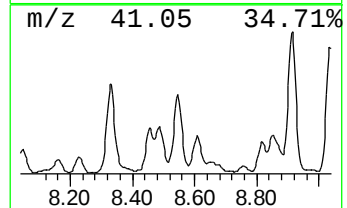
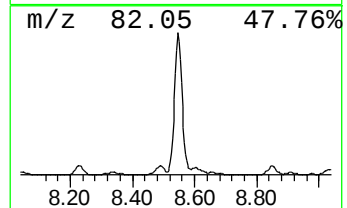
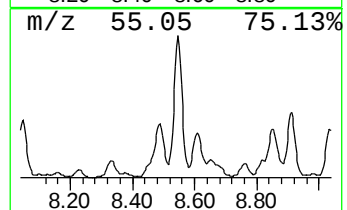
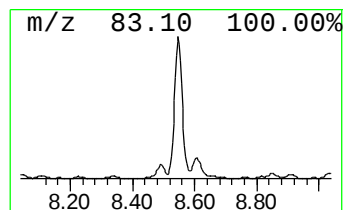
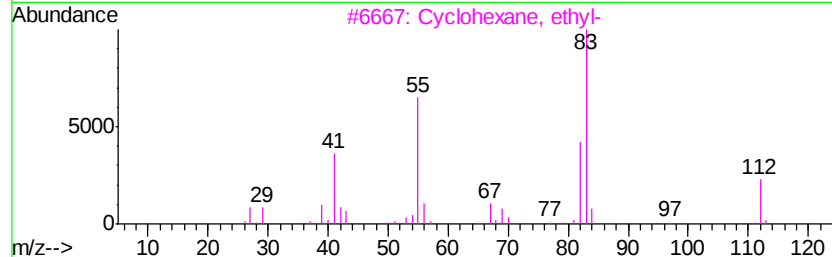
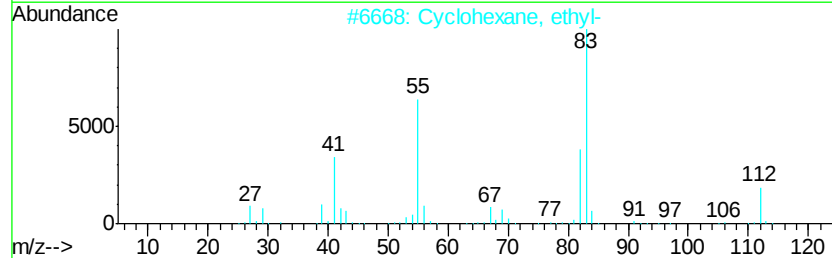
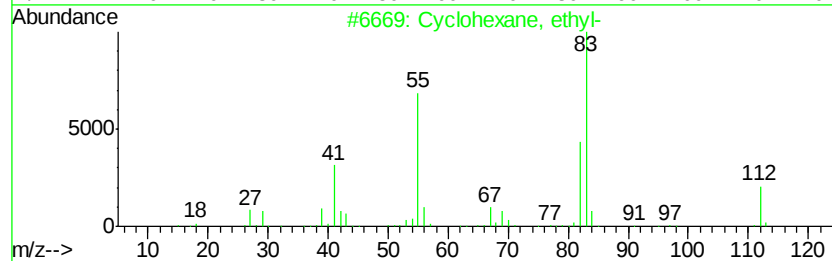
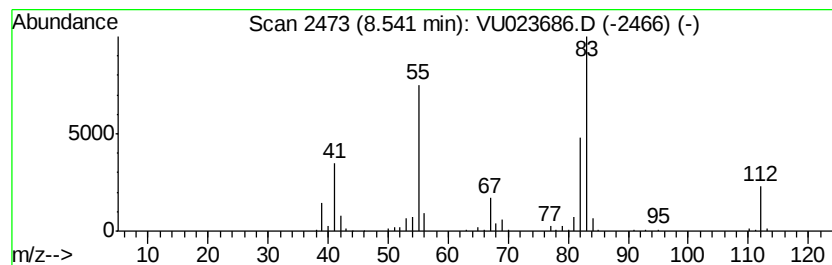
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Cyclic8.54 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	11.22 ug/L	250476	Chlorobenzene-d5	9.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	70
5		3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	53



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

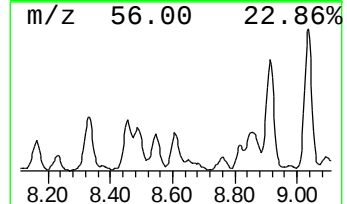
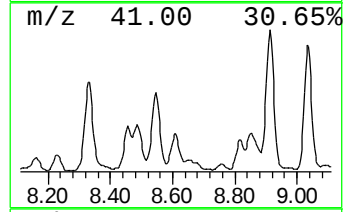
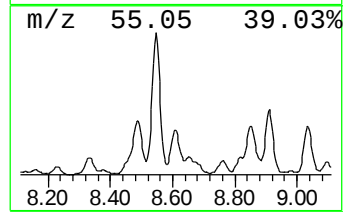
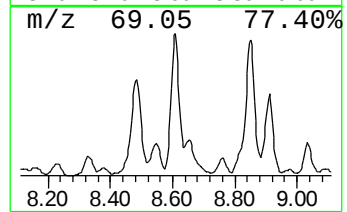
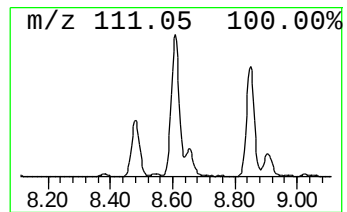
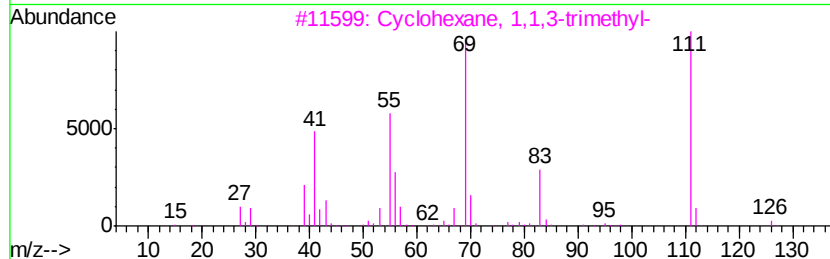
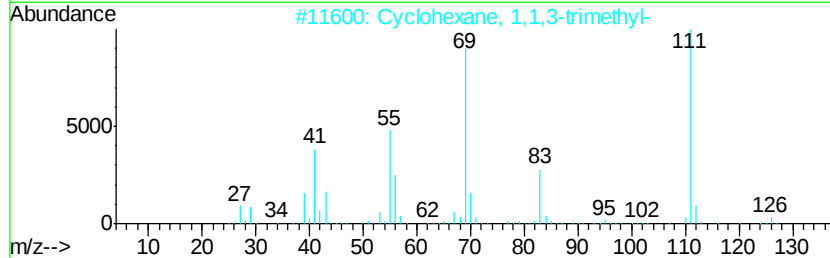
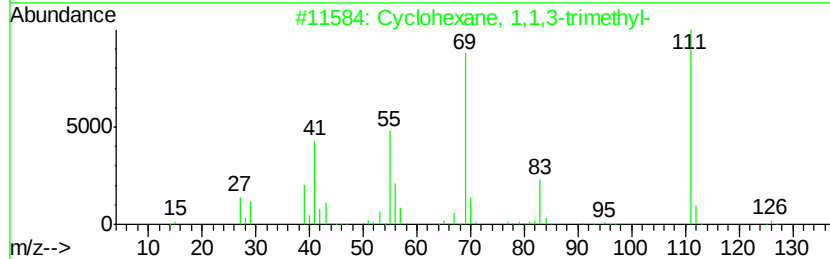
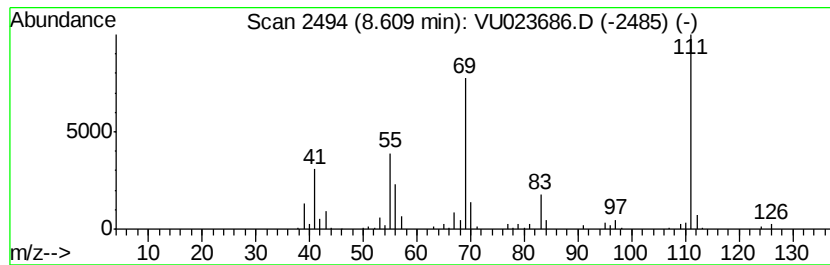
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Cyclic8.61 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	5.51 ug/L	122931	Chlorobenzene-d5	9.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
4			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	78
5			Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	64



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

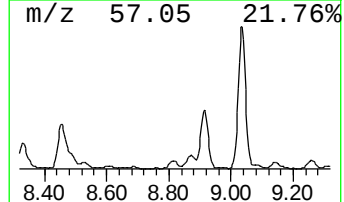
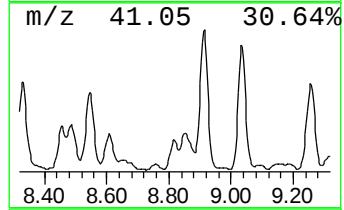
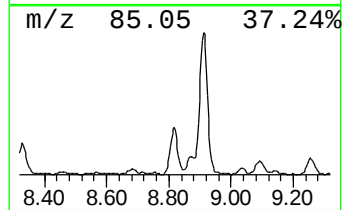
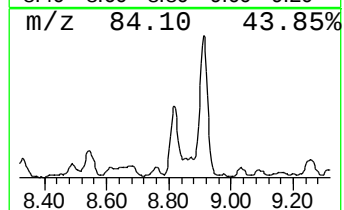
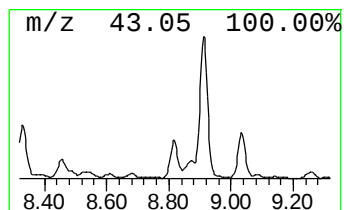
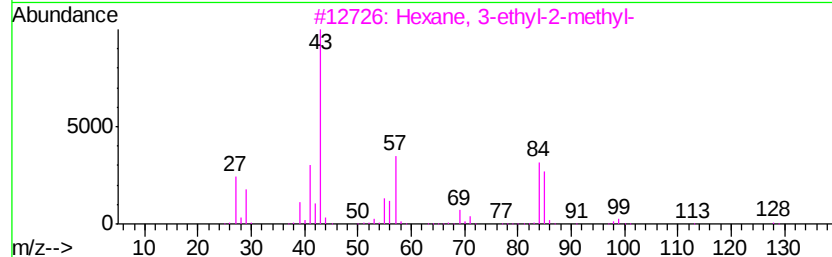
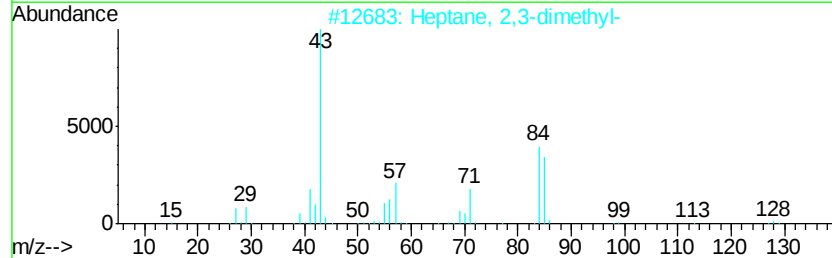
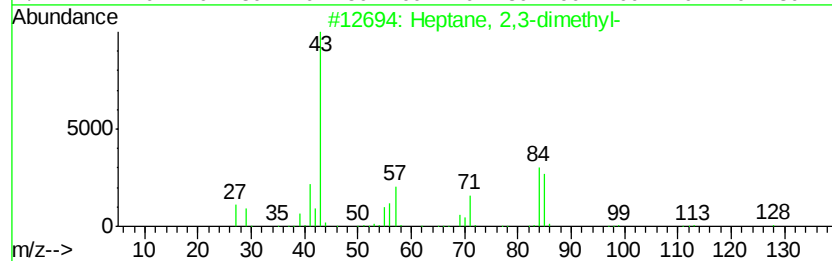
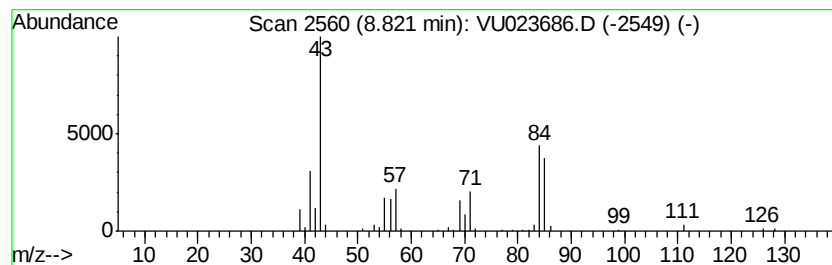
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	4.50 ug/L	100480	Chlorobenzene-d5	9.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
2			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
3			Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	80
4			Hexane, 3-ethyl-	114	C8H18	000619-99-8	78
5			Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	72



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

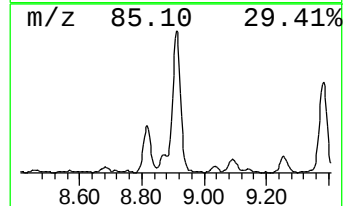
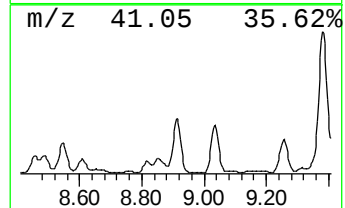
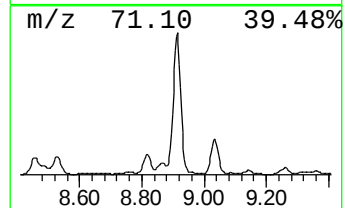
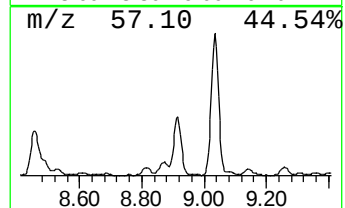
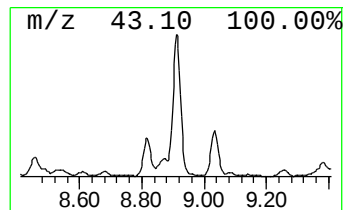
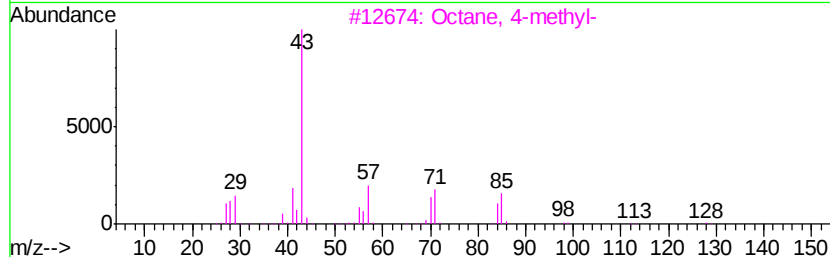
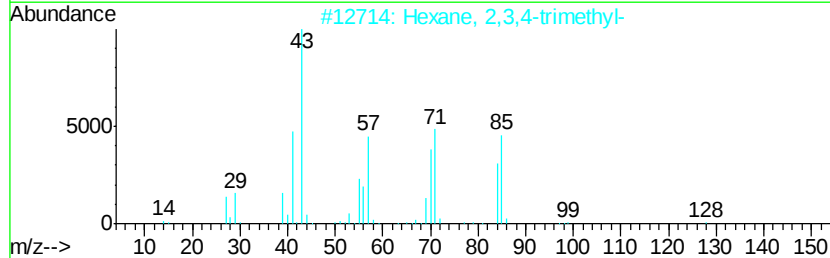
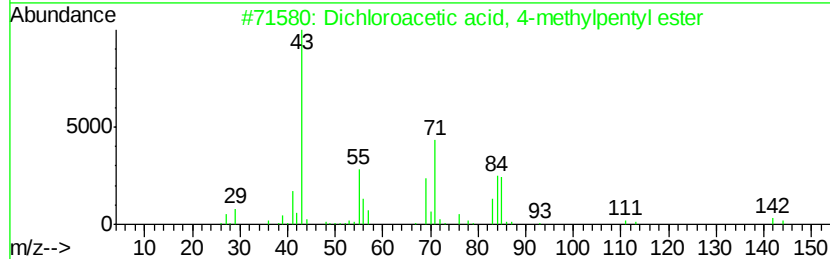
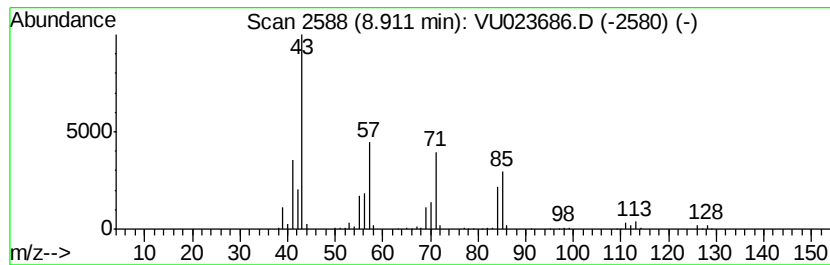
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Dichloroacetic acid, 4-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	21.48 ug/L	479698	Chlorobenzene-d5	9.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	59
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
3			Octane, 4-methyl-	128	C9H20	002216-34-4	58
4			Octane	114	C8H18	000111-65-9	53
5			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72u/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

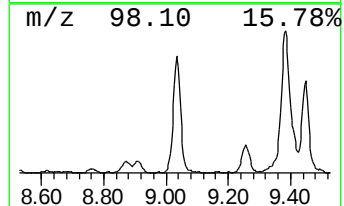
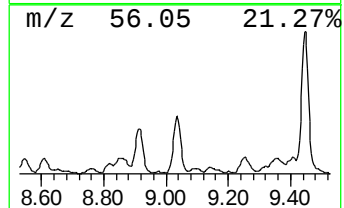
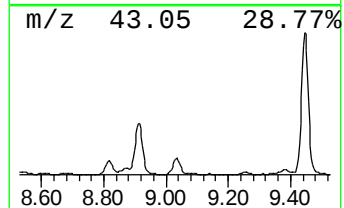
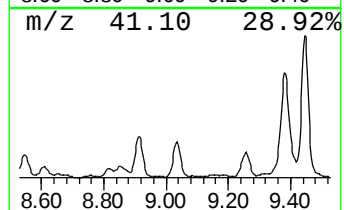
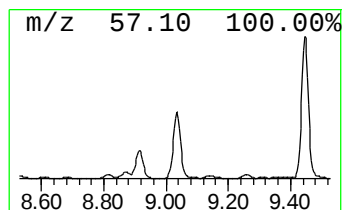
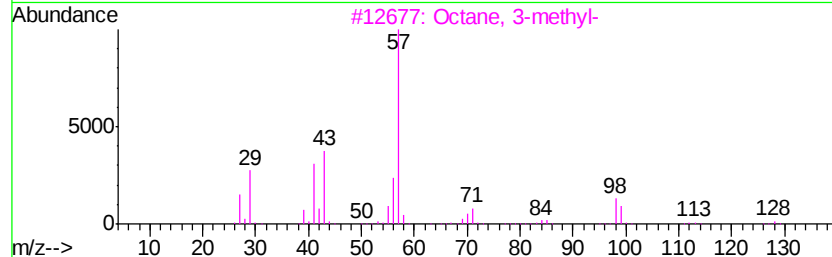
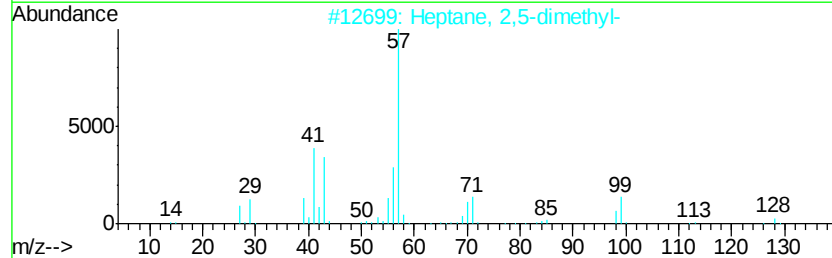
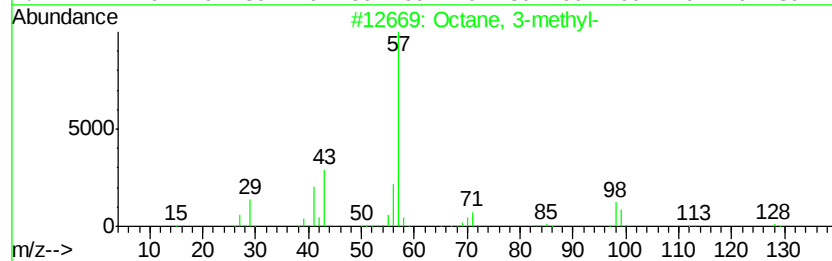
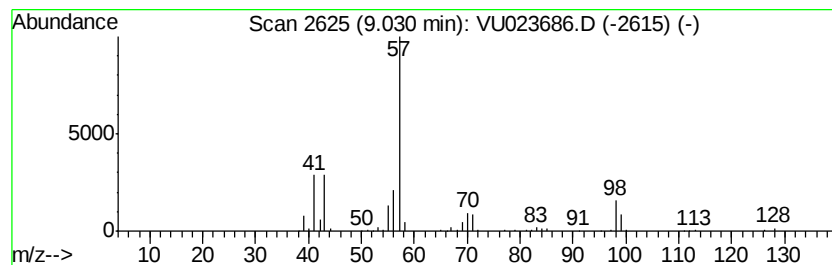
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	15.76 ug/L	352031	Chlorobenzene-d5	9.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3-methyl-	128	C9H20	002216-33-3	90
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3			Octane, 3-methyl-	128	C9H20	002216-33-3	72
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
5			Octane, 3-methyl-	128	C9H20	002216-33-3	64



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

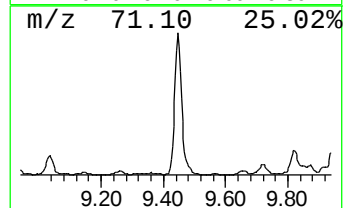
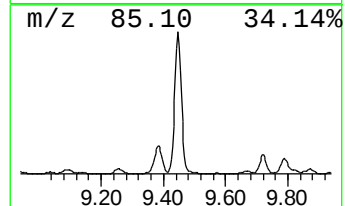
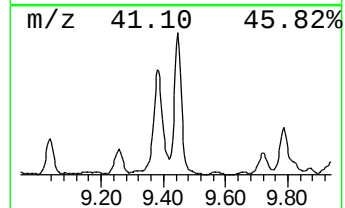
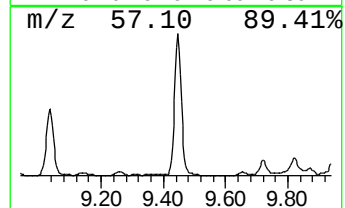
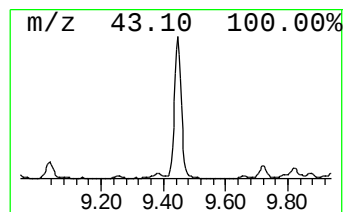
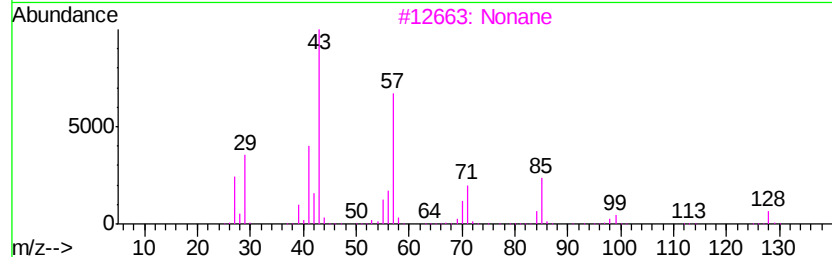
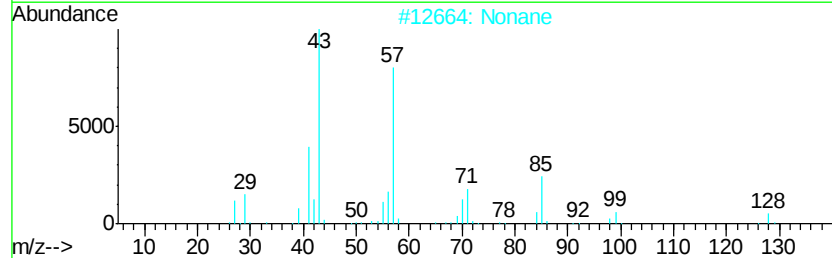
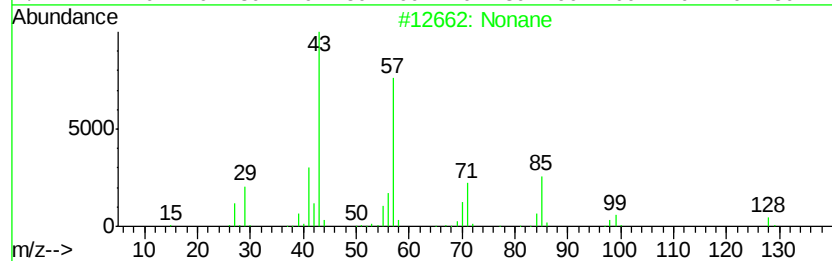
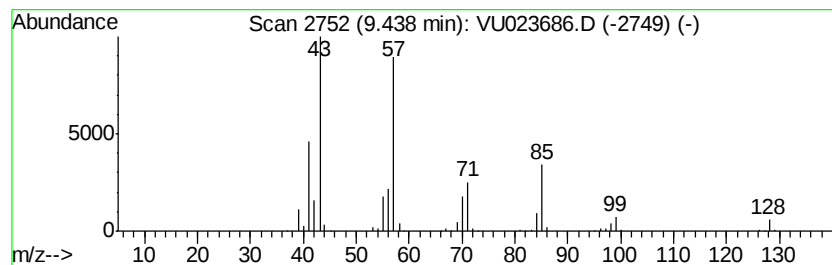
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	67.29 ug/L	1502510	Chlorobenzene-d5	9.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	97
2		Nonane	128	C9H20	000111-84-2	94
3		Nonane	128	C9H20	000111-84-2	91
4		Octane	114	C8H18	000111-65-9	53
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

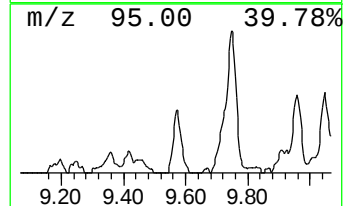
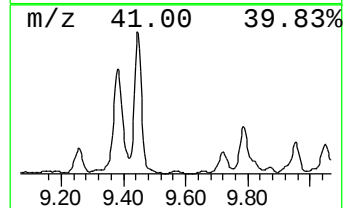
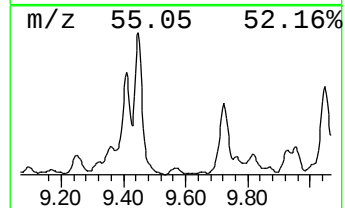
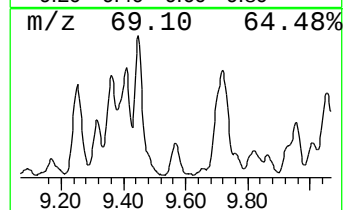
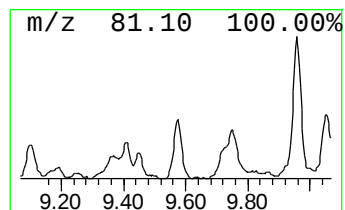
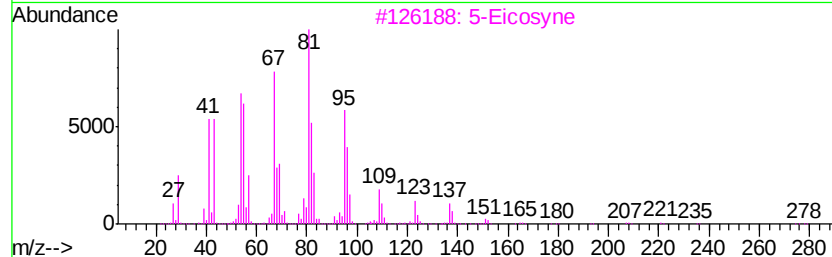
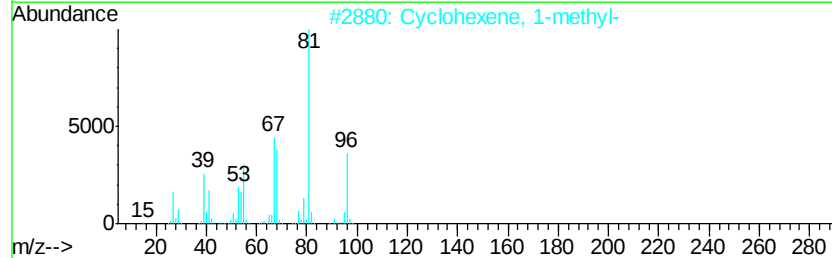
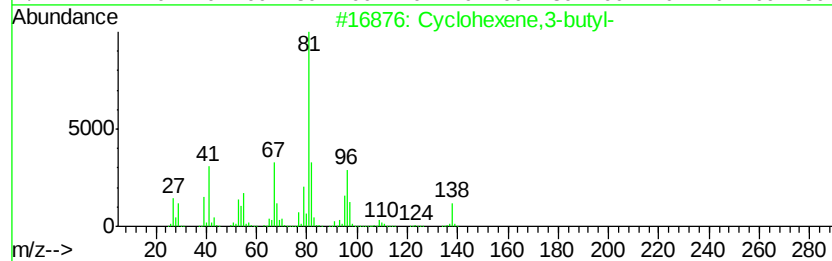
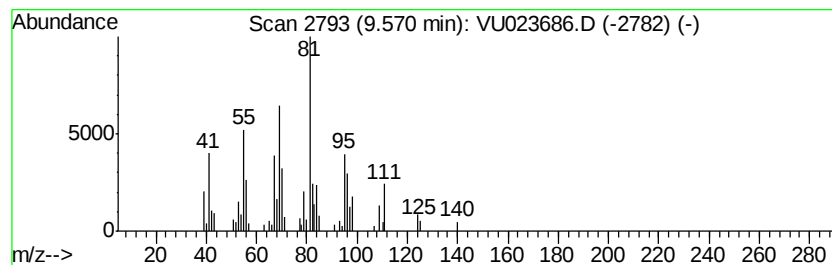
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown-01 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	2.54 ug/L	56742	Chlorobenzene-d5	9.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene,3-butyl-	138	C10H18	003983-07-1	47
2			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
3			5-Eicosyne	278	C20H38	074685-31-7	38
4			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	38
5			1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	38



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

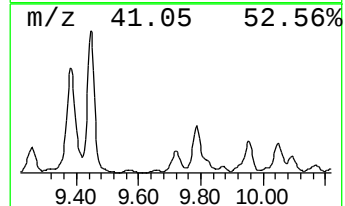
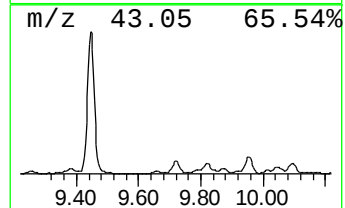
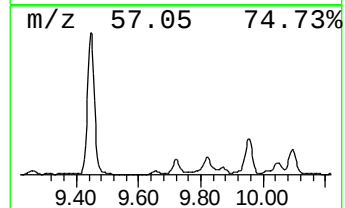
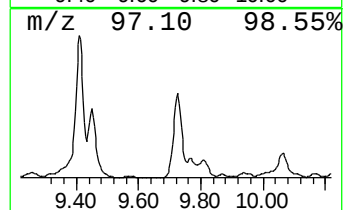
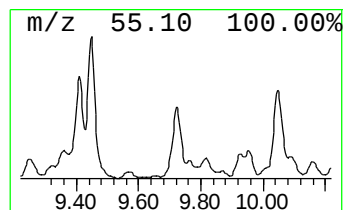
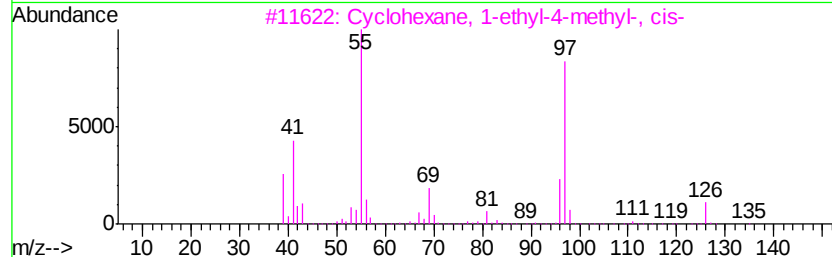
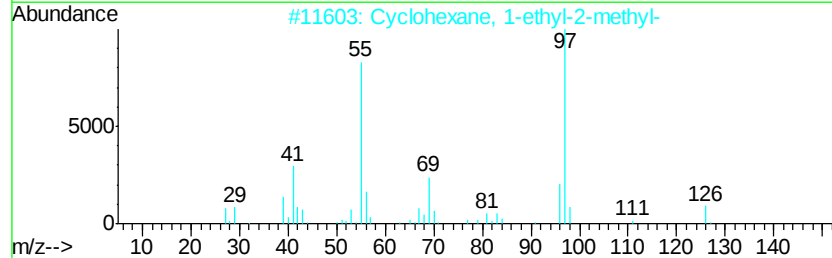
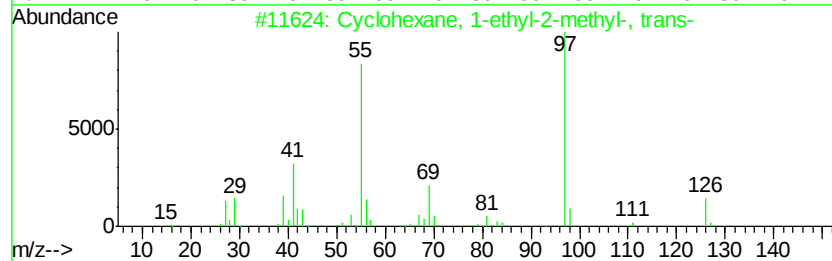
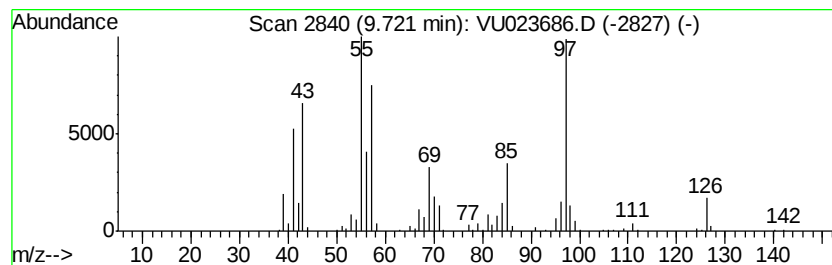
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Cyclic9.72 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	14.77 ug/L	329913	Chlorobenzene-d5	9.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	60
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
4		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
5		4-Octen-3-one	126	C8H14O	014129-48-7	49



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

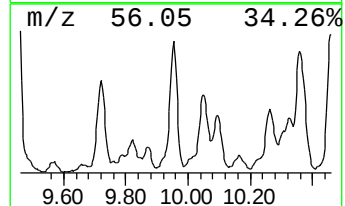
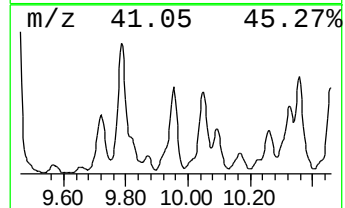
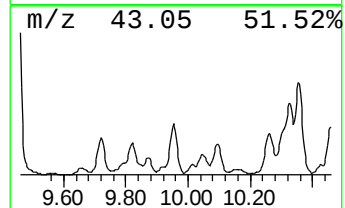
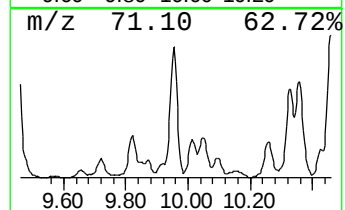
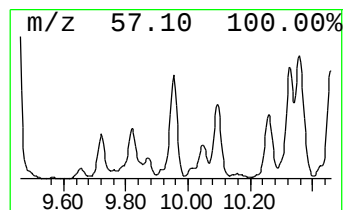
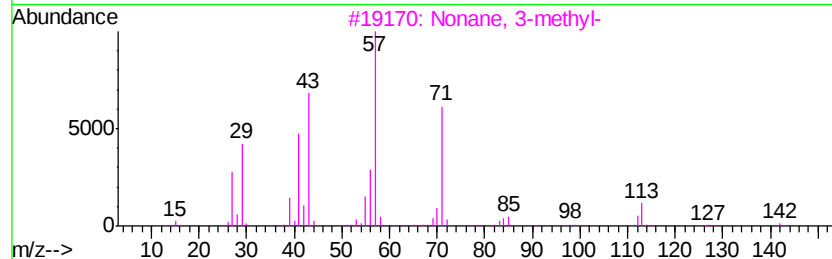
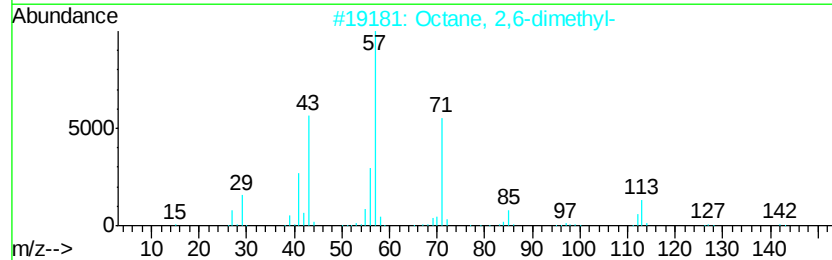
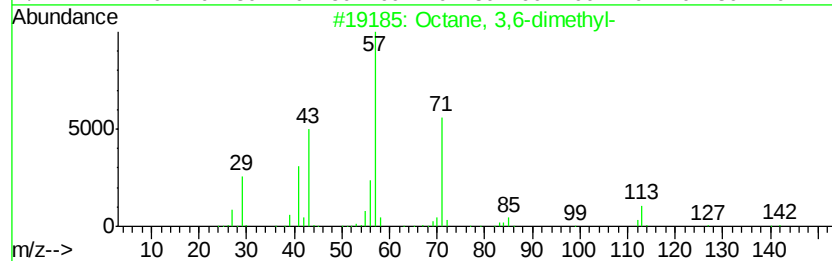
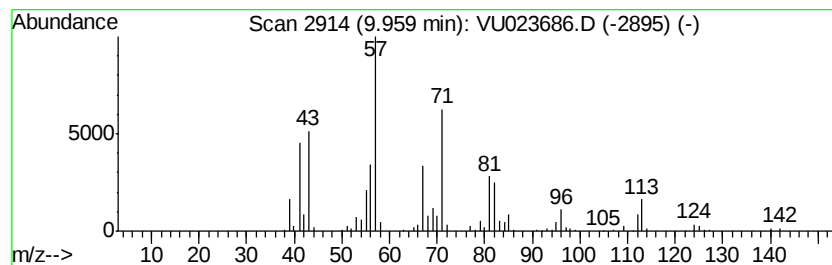
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	19.67 ug/L	439338	Chlorobenzene-d5	9.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	60
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	60
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	60



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

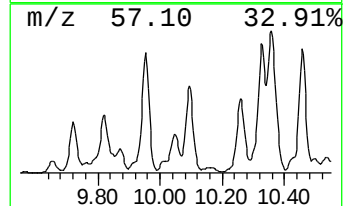
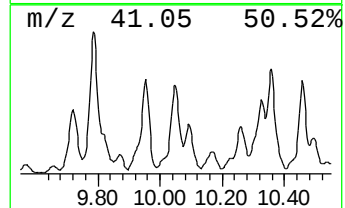
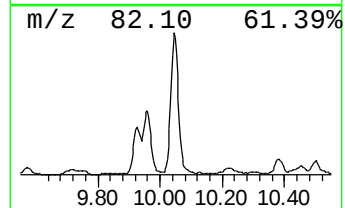
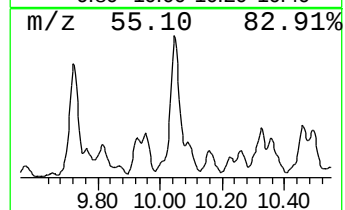
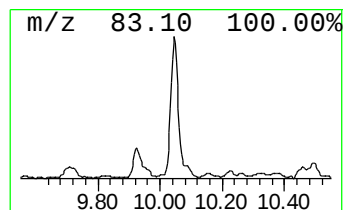
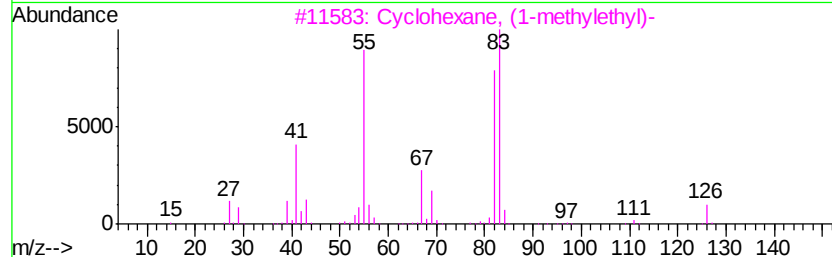
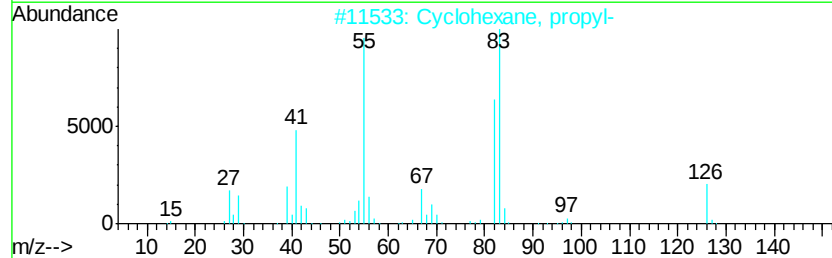
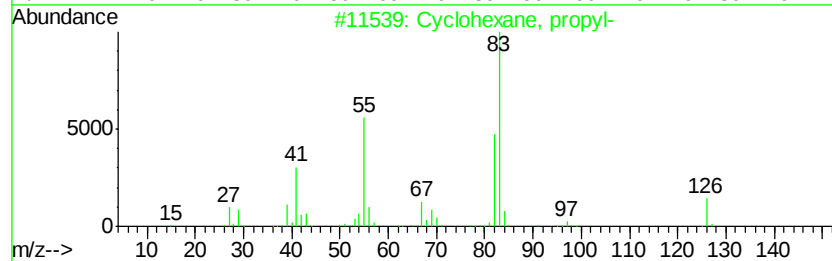
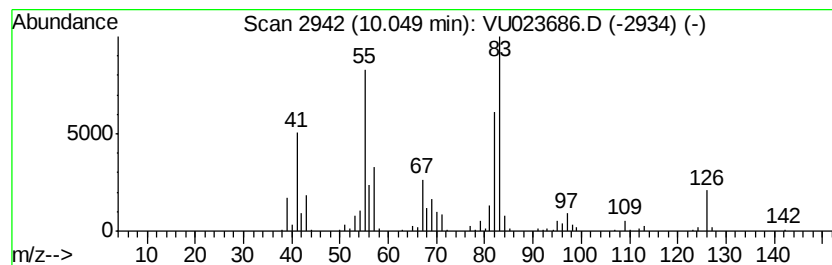
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Cyclic10.05 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	12.36 ug/L	275921	Chlorobenzene-d5	9.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	74
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	72



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

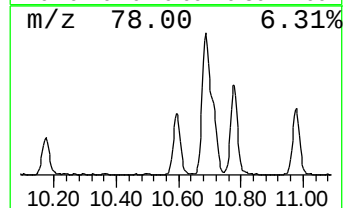
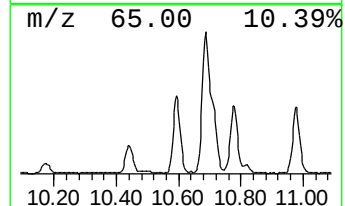
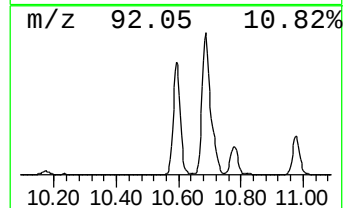
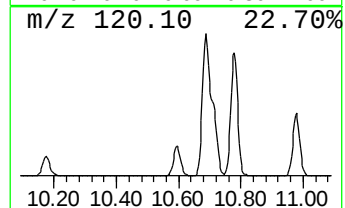
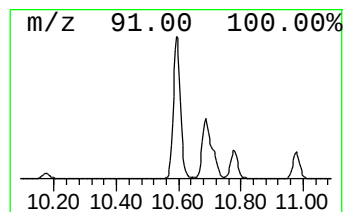
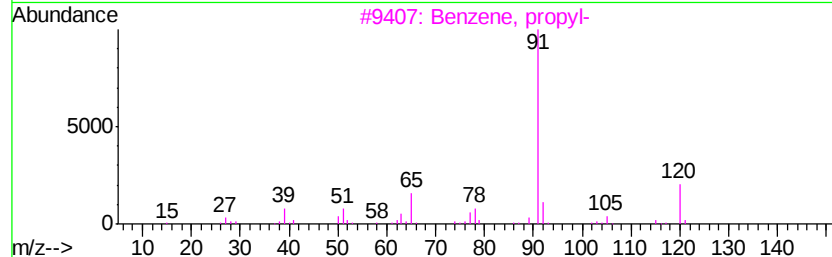
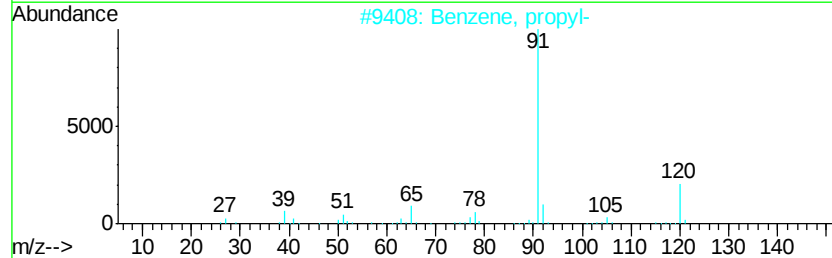
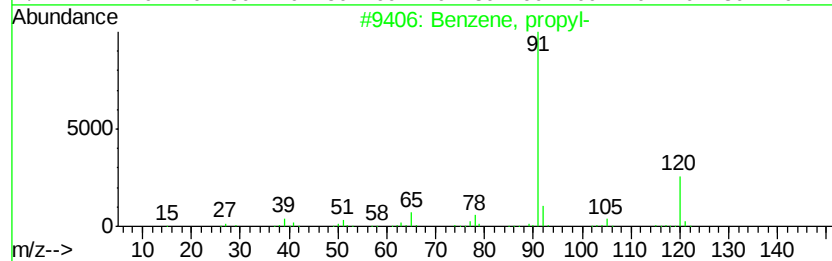
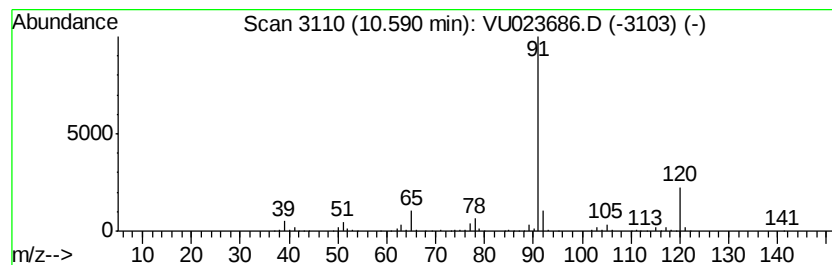
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzene, propyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	14.61 ug/L	425898	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	90
2		Benzene, propyl-	120	C9H12	000103-65-1	90
3		Benzene, propyl-	120	C9H12	000103-65-1	90
4		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5		Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

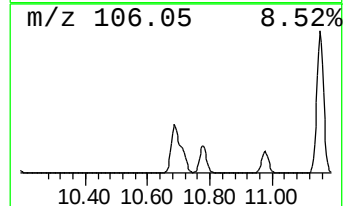
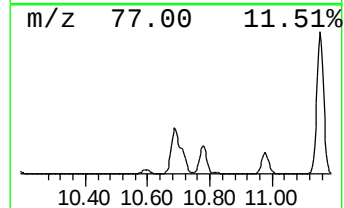
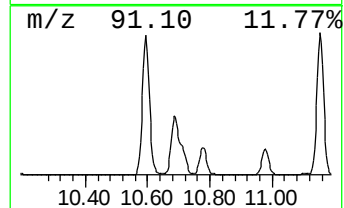
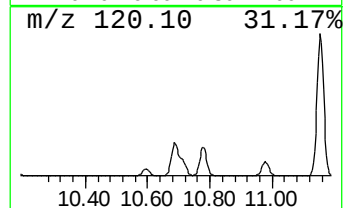
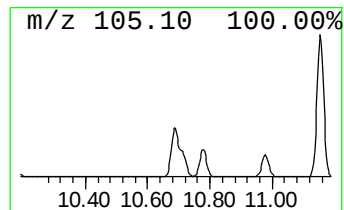
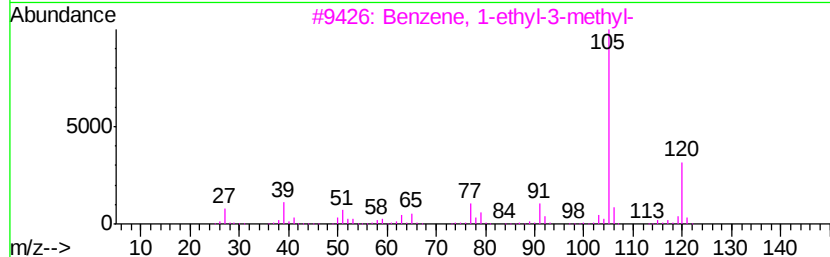
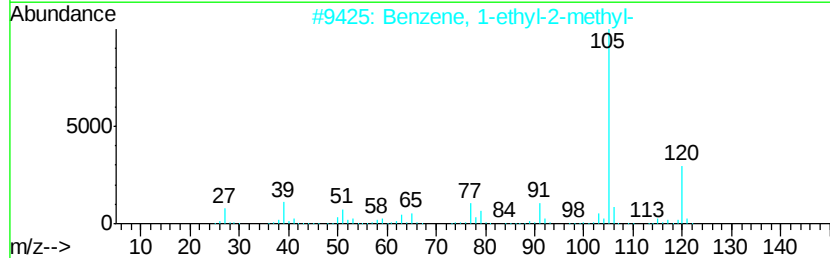
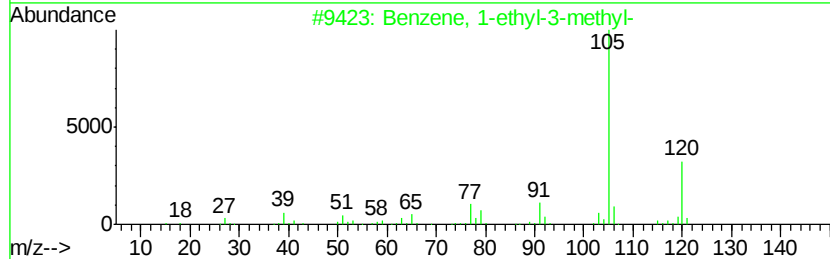
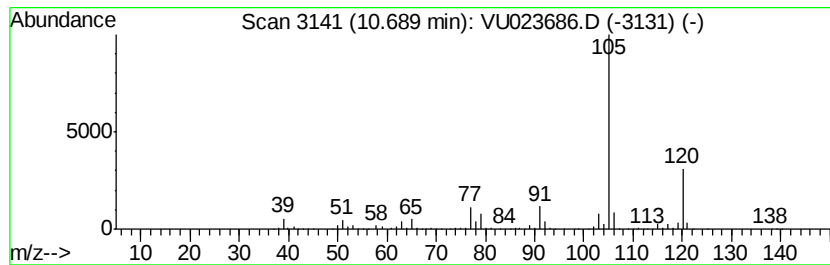
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzene, 1-ethyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	95.28 ug/L	2776950	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

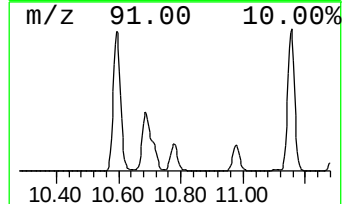
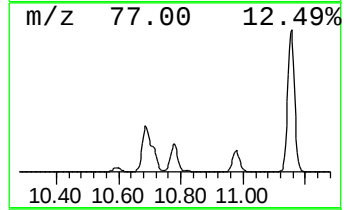
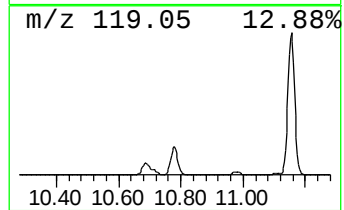
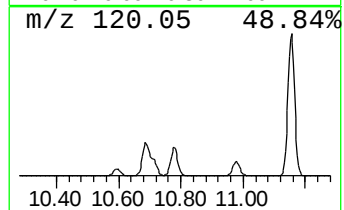
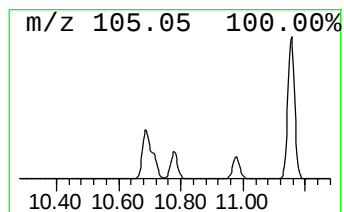
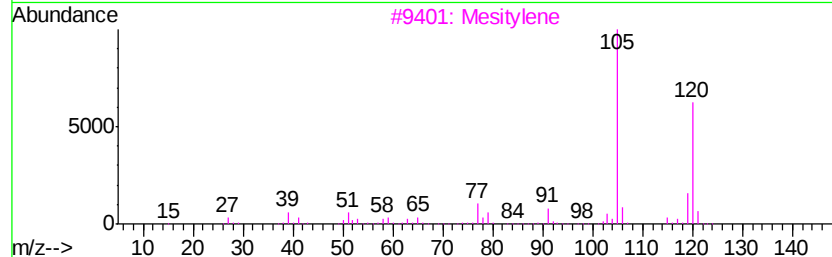
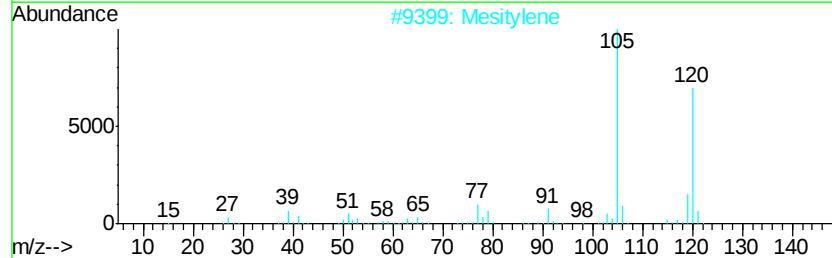
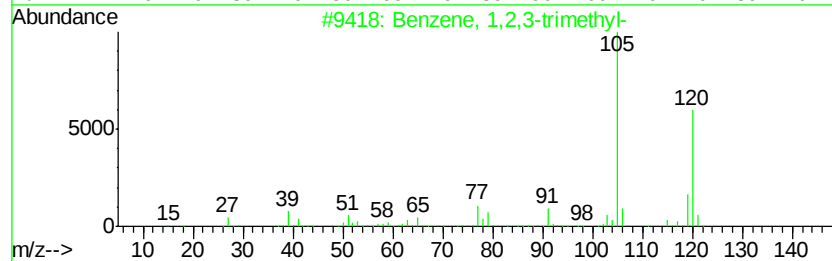
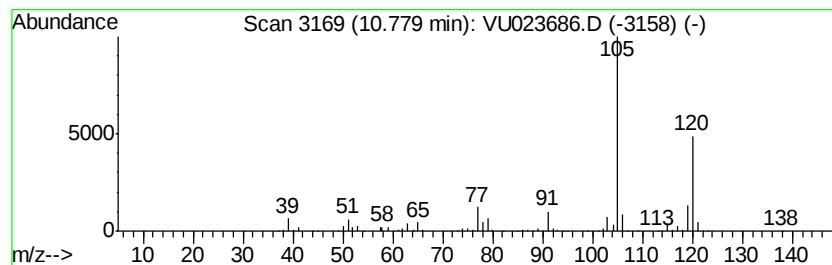
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 Benzene, 1,2,3-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	46.62 ug/L	1358620	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Mesitylene	120	C9H12	000108-67-8	95
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

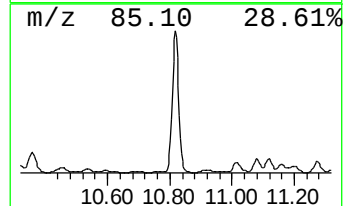
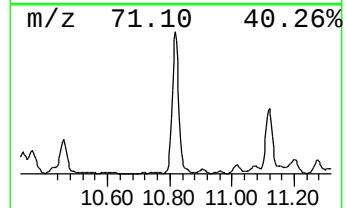
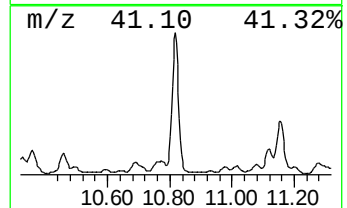
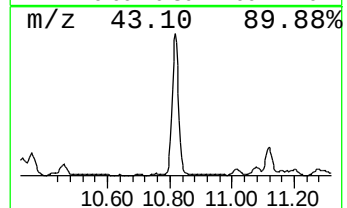
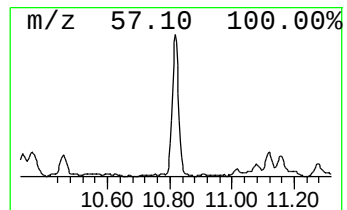
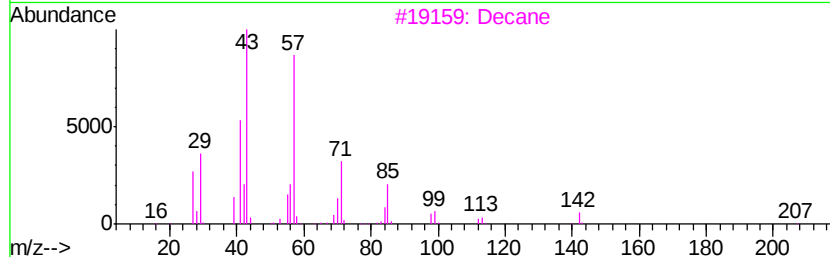
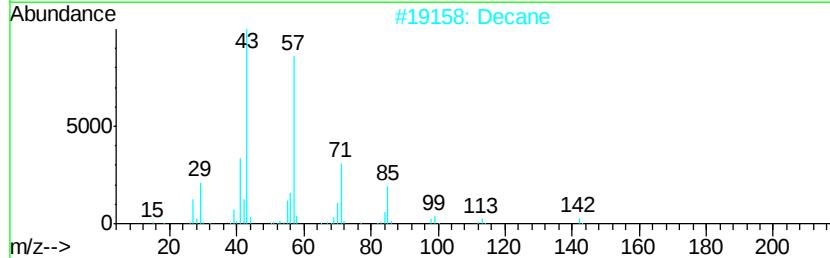
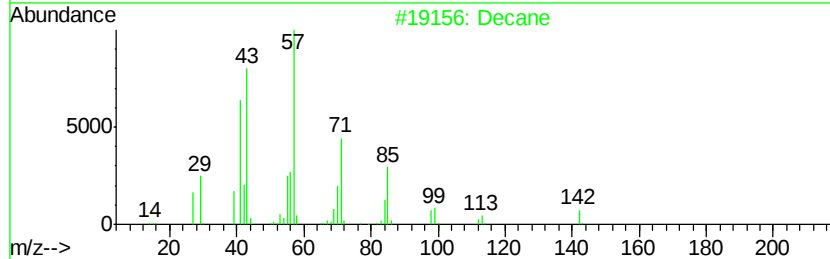
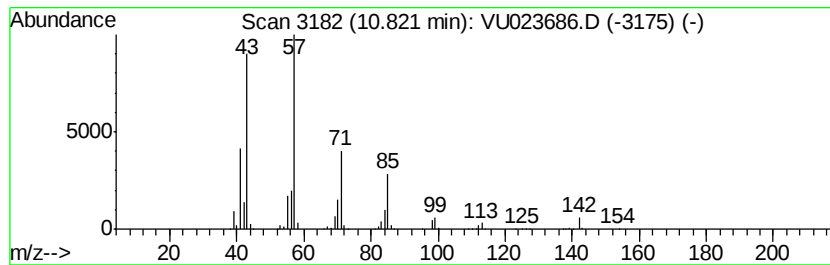
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	65.23 ug/L	1901000	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	93
2		Decane	142	C10H22	000124-18-5	91
3		Decane	142	C10H22	000124-18-5	81
4		Nonane	128	C9H20	000111-84-2	72
5		Tridecane	184	C13H28	000629-50-5	72



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

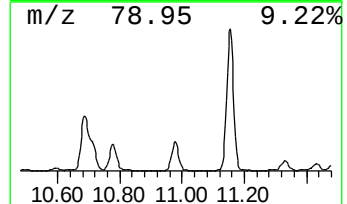
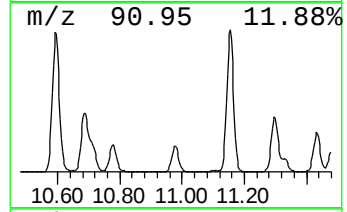
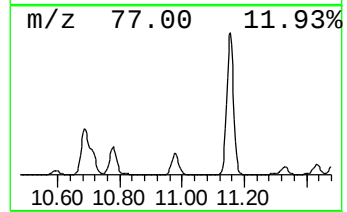
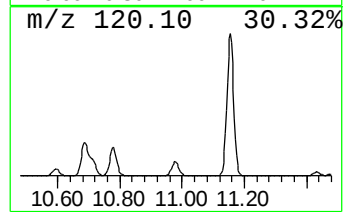
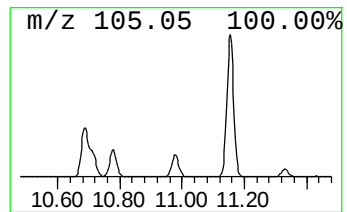
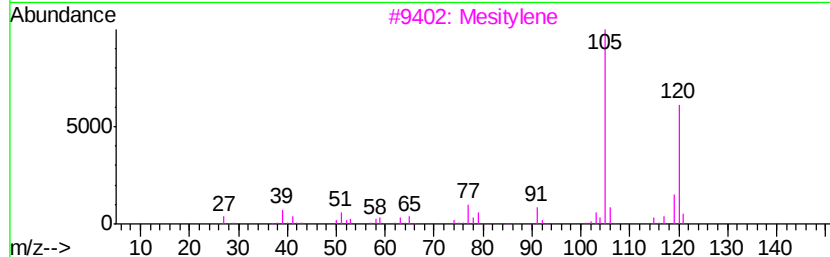
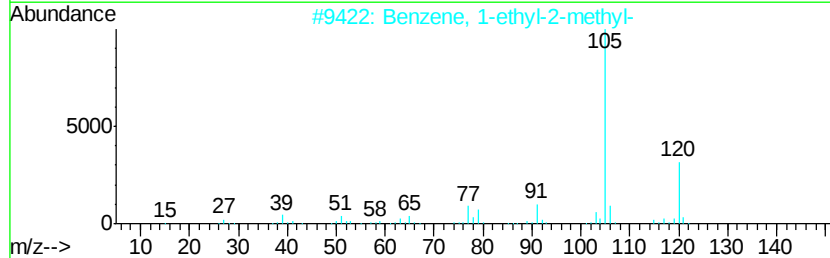
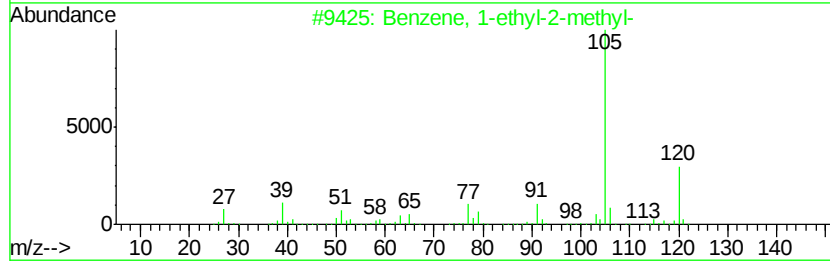
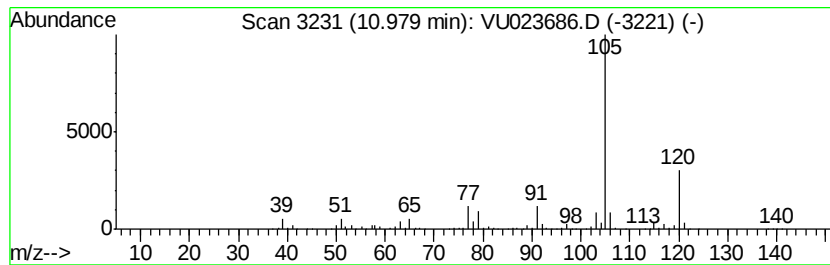
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 Benzene, 1-ethyl-2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	32.33 ug/L	942141	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72u/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

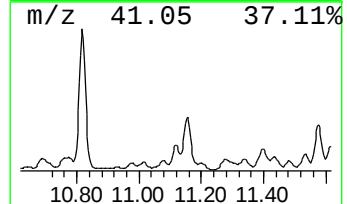
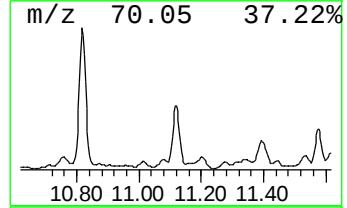
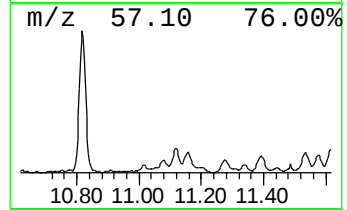
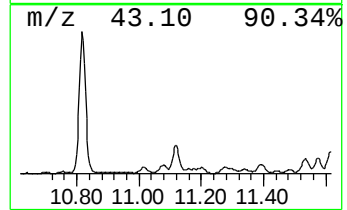
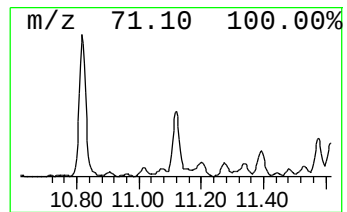
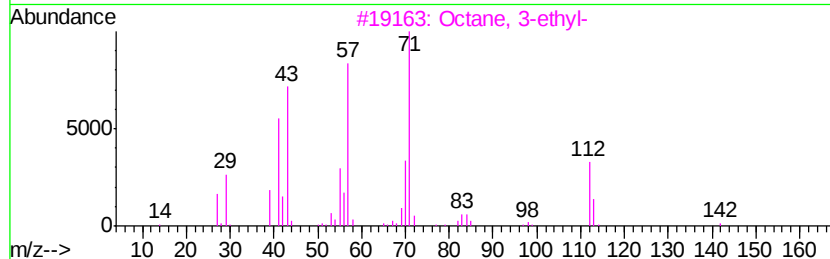
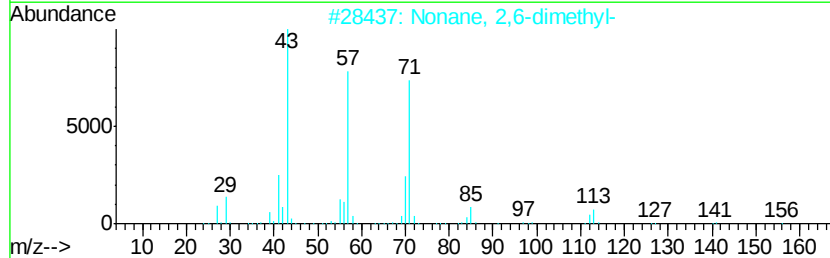
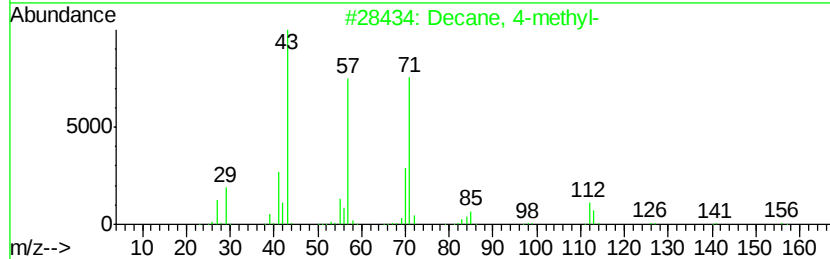
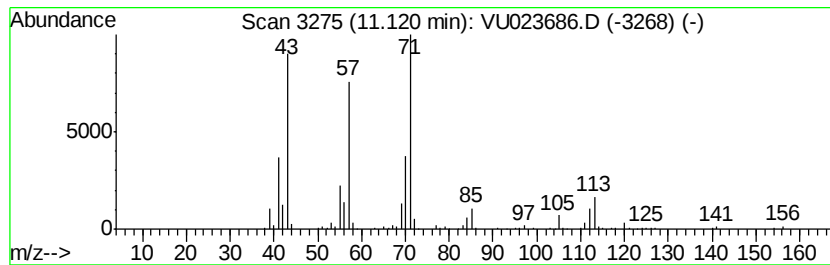
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	8.39 ug/L	244436	1,4-Dichlorobenzene-d4	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	91
2			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	87
3			Octane, 3-ethyl-	142	C10H22	005881-17-4	78
4			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
5			Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	72



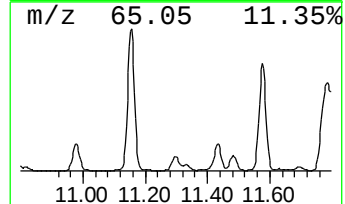
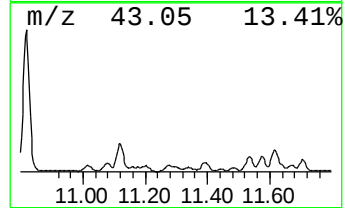
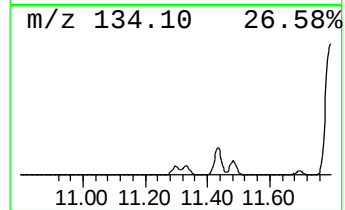
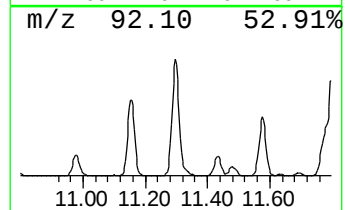
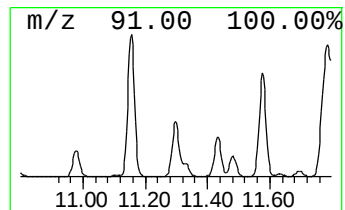
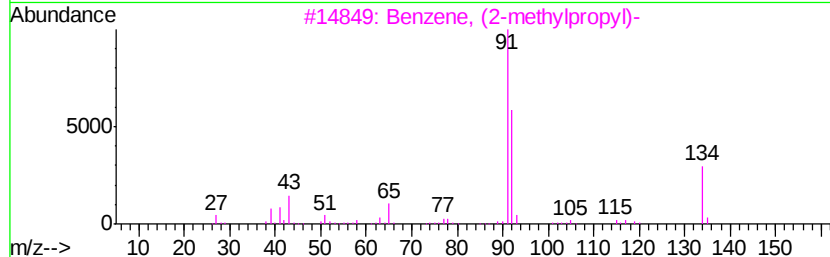
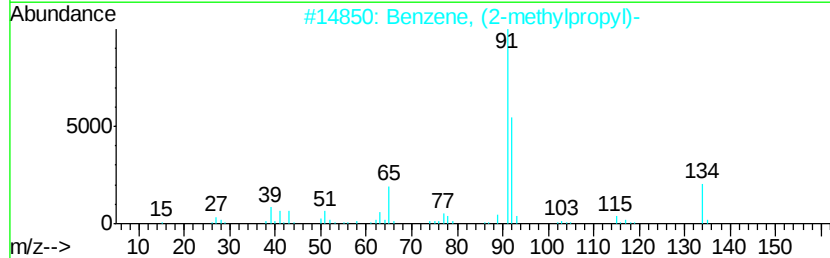
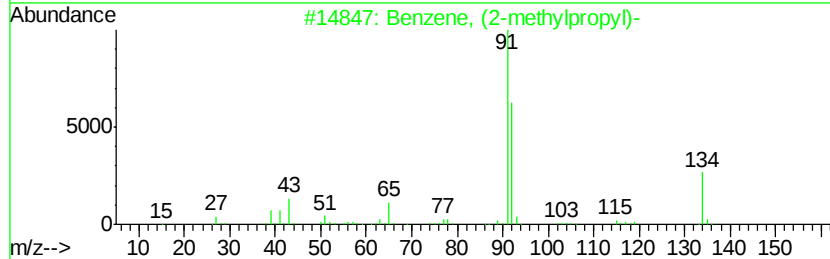
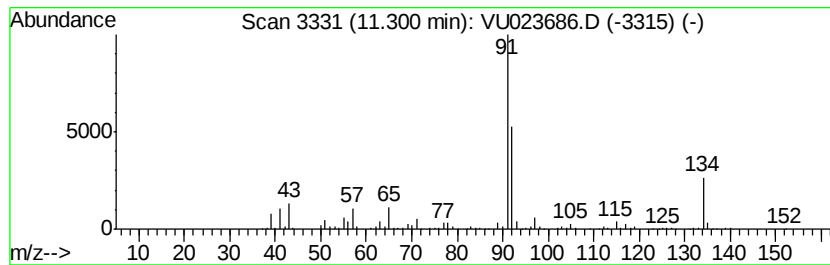
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Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 Benzene, (2-methylpropyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.30	15.33 ug/L	446859	1,4-Dichlorobenzene-d4		11.49
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	81
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	81
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	81
4	Benzene, butyl-	134	C10H14	000104-51-8	64
5	Toluene	92	C7H8	000108-88-3	49



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72u/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

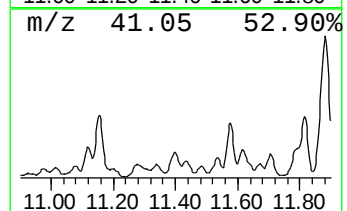
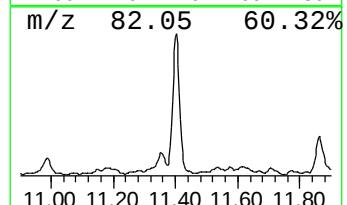
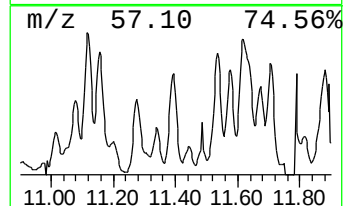
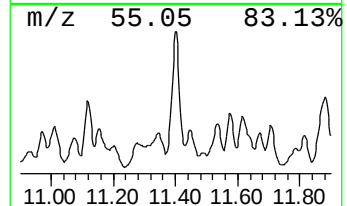
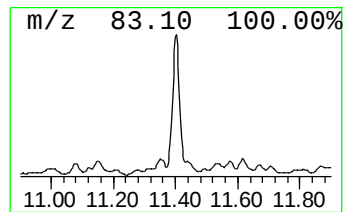
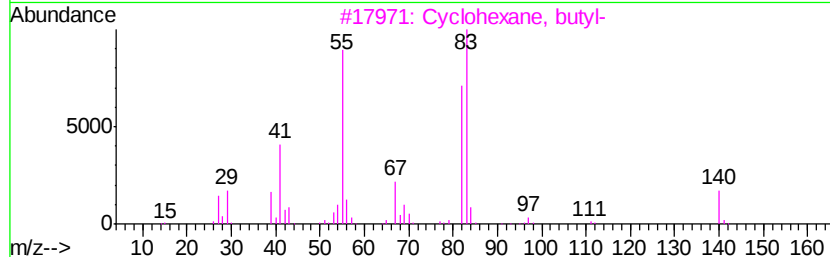
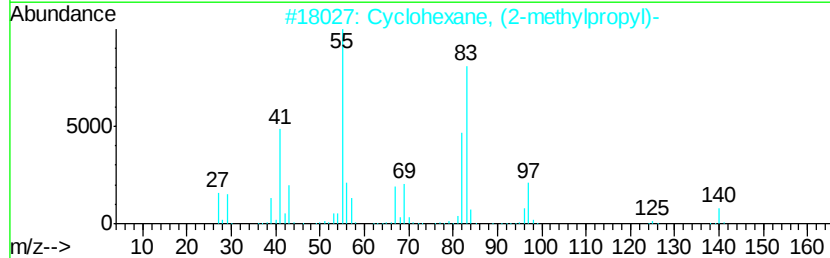
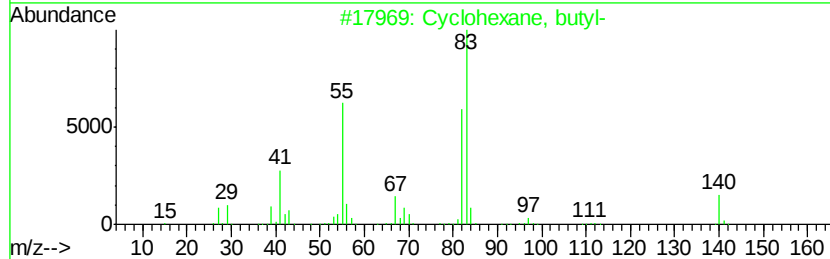
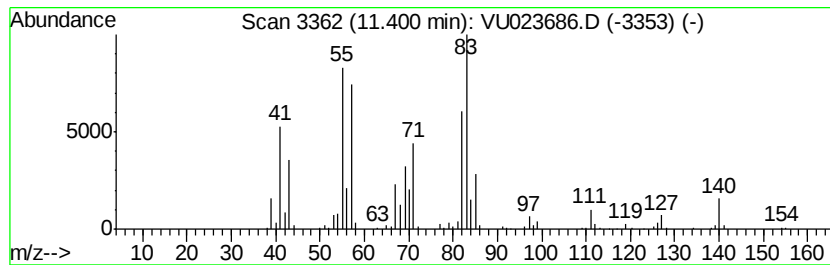
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 (DEL) Alkane: Cyclic11.40 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	11.97 ug/L	348802	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	55
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	46
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	46
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
5		Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	43



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

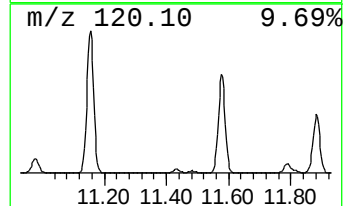
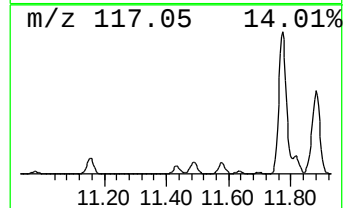
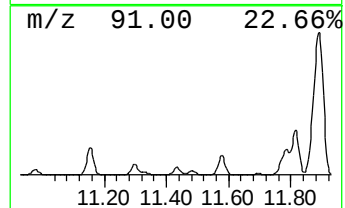
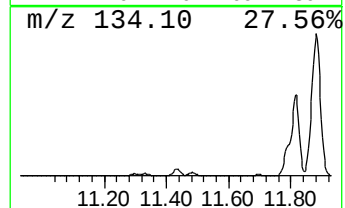
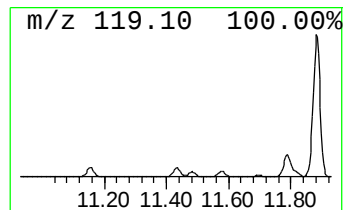
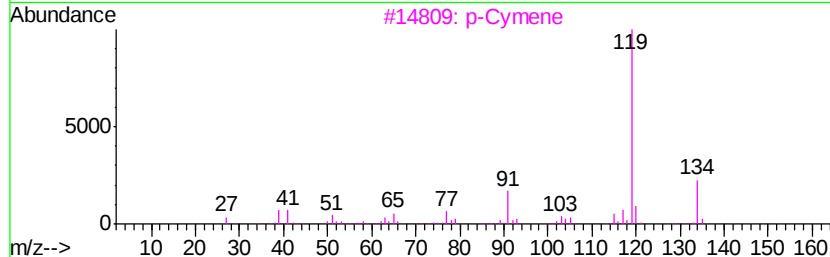
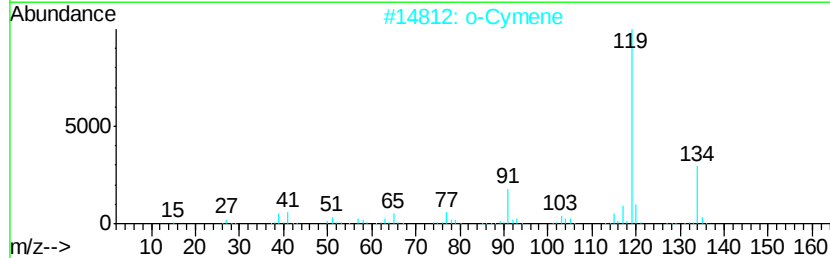
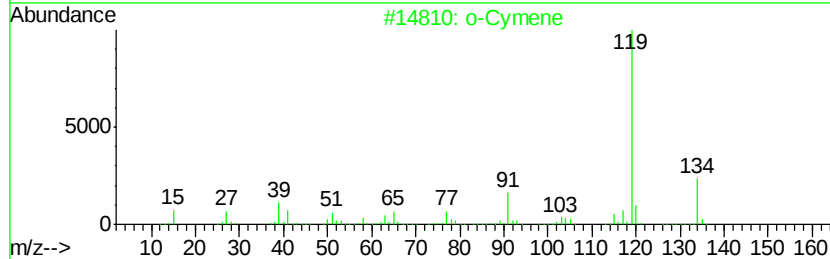
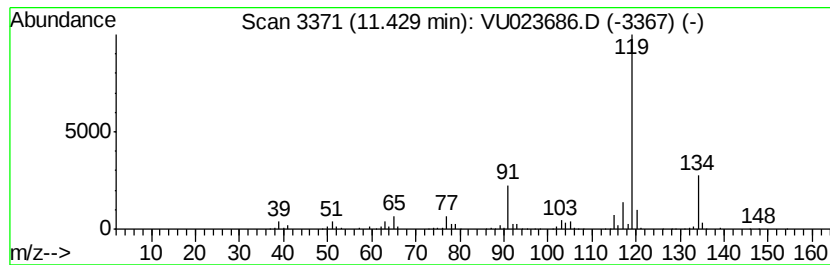
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 o-Cymene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	22.30 ug/L	649852	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		o-Cymene	134	C10H14	000527-84-4	97
3		p-Cymene	134	C10H14	000099-87-6	97
4		p-Cymene	134	C10H14	000099-87-6	95
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

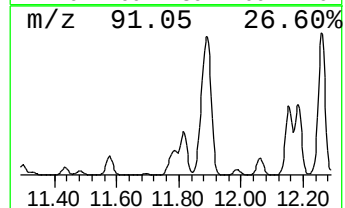
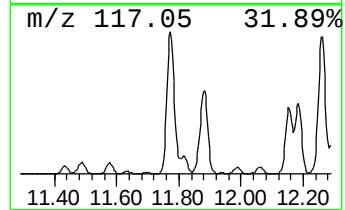
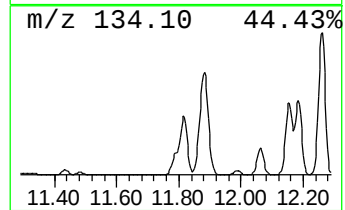
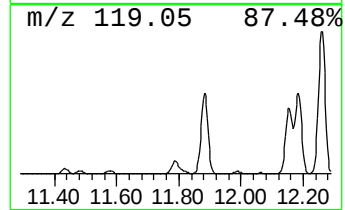
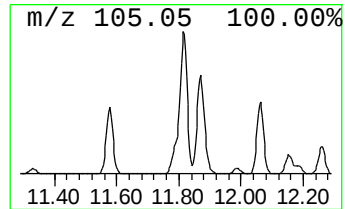
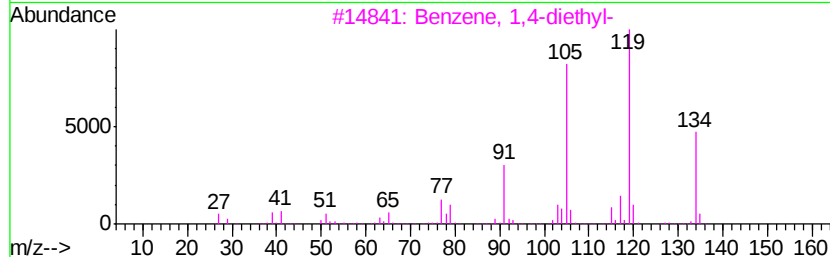
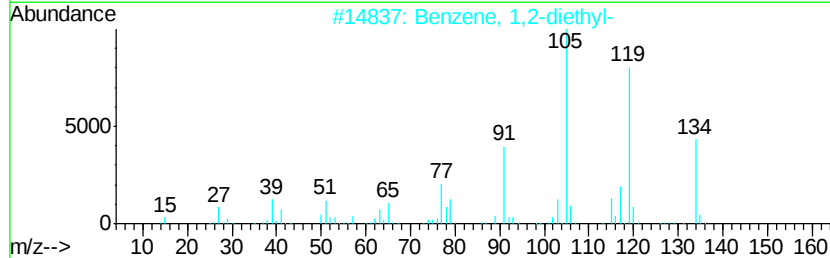
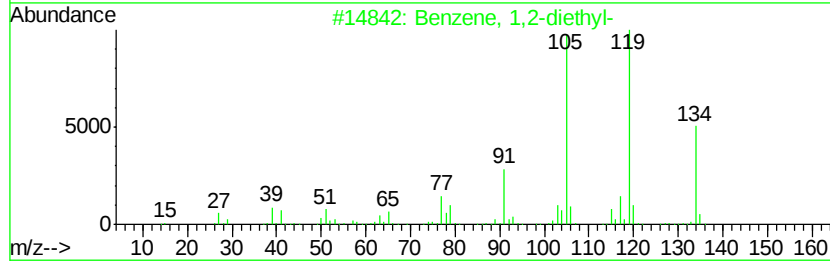
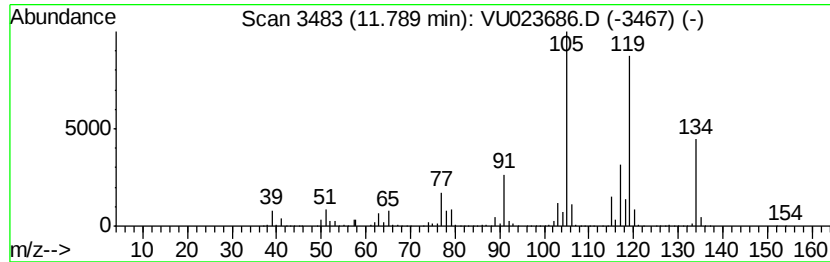
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	158.21 ug/L	4610790	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

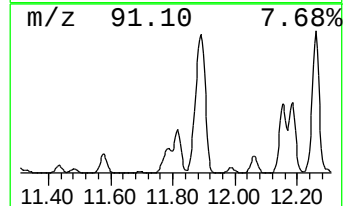
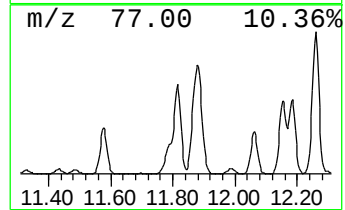
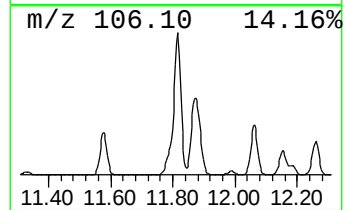
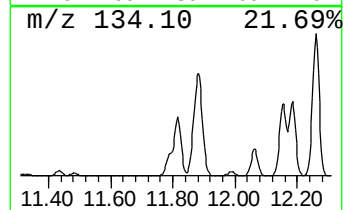
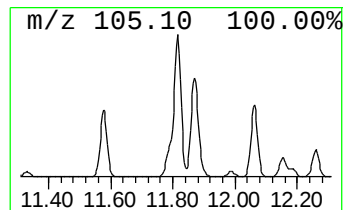
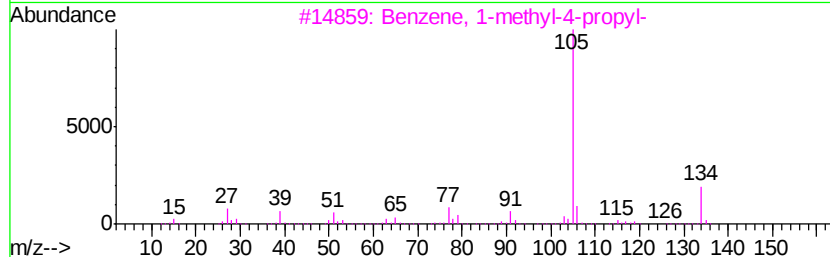
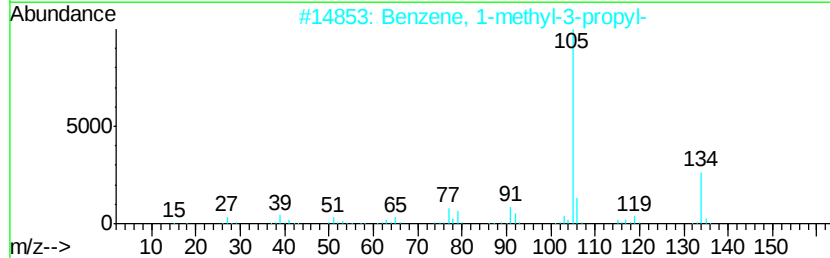
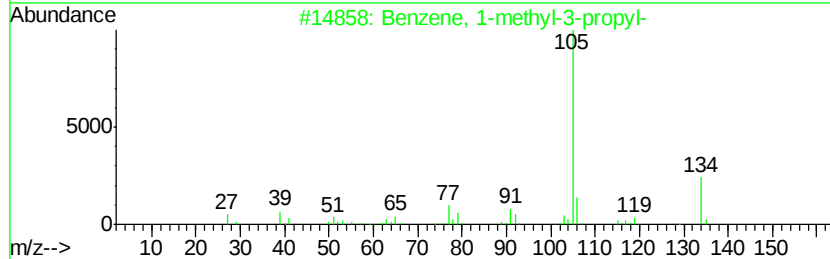
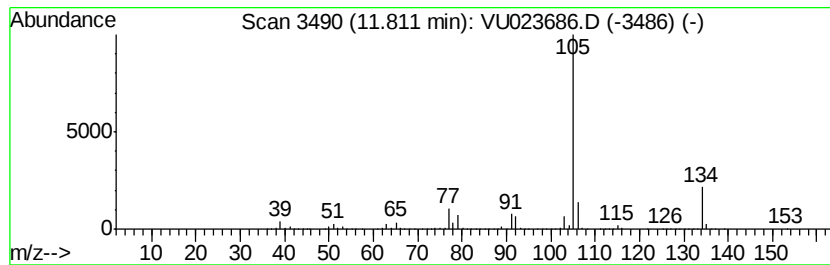
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 Benzene, 1-methyl-3-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	255.39 ug/L	7443120	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

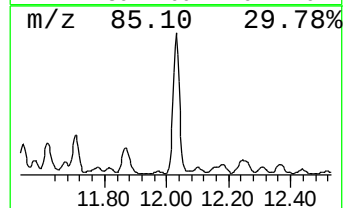
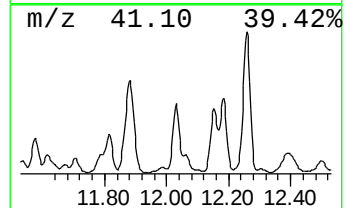
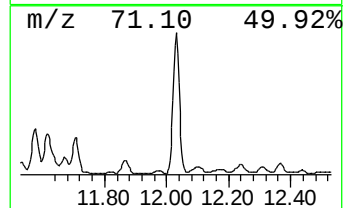
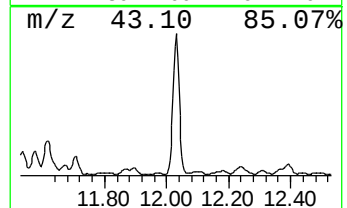
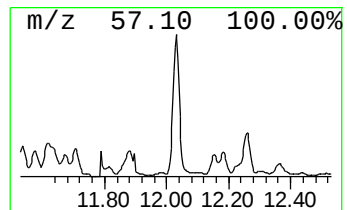
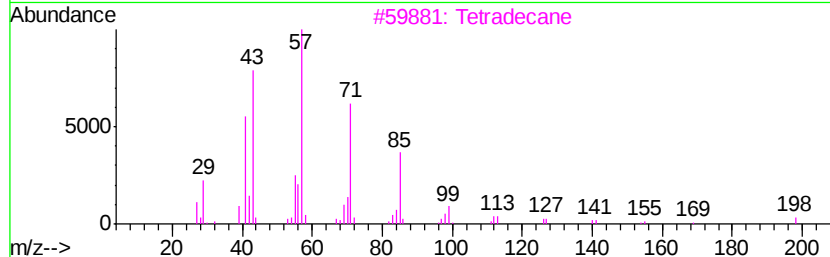
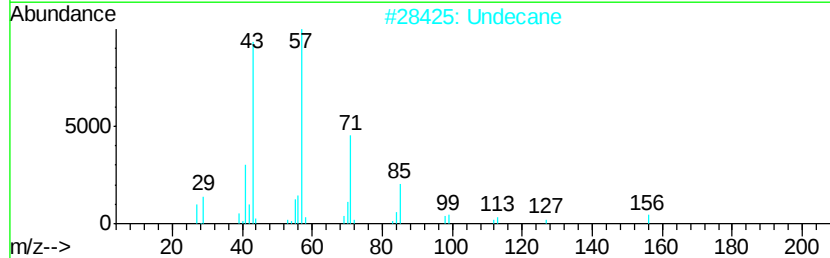
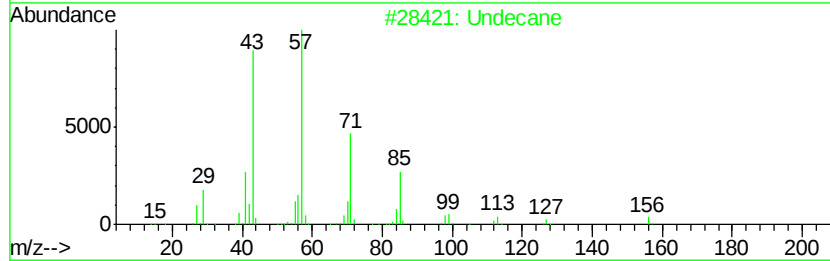
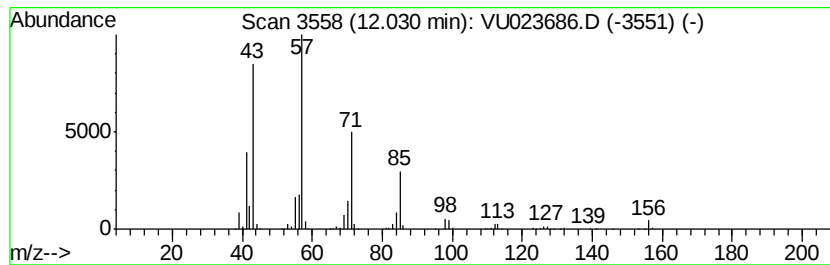
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	31.71 ug/L	924124	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	91
2		Undecane	156	C11H24	001120-21-4	90
3		Tetradecane	198	C14H30	000629-59-4	90
4		Undecane	156	C11H24	001120-21-4	87
5		Tridecane	184	C13H28	000629-50-5	86



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

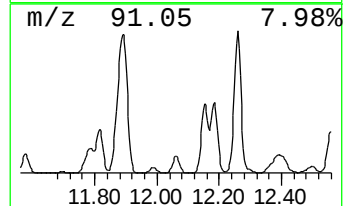
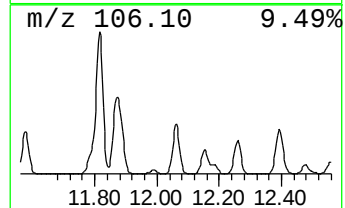
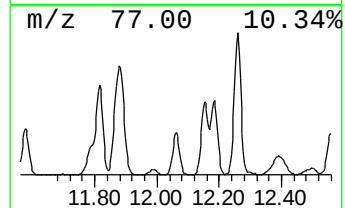
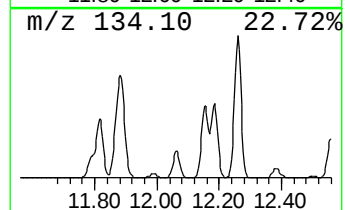
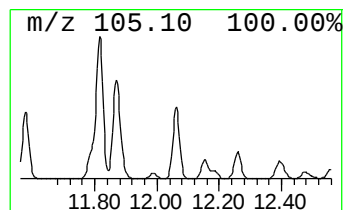
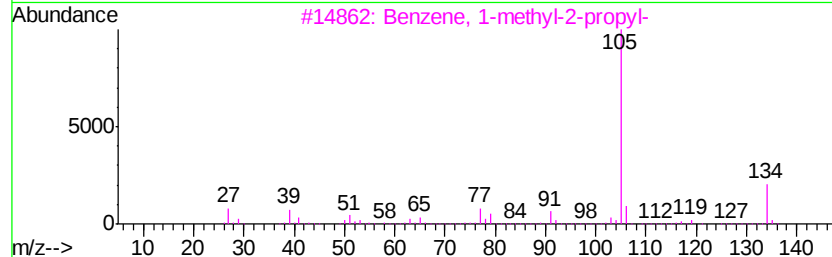
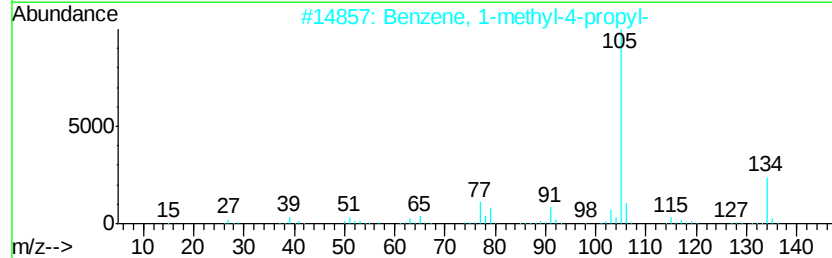
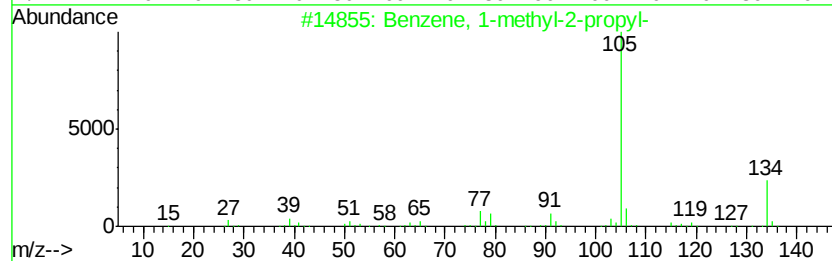
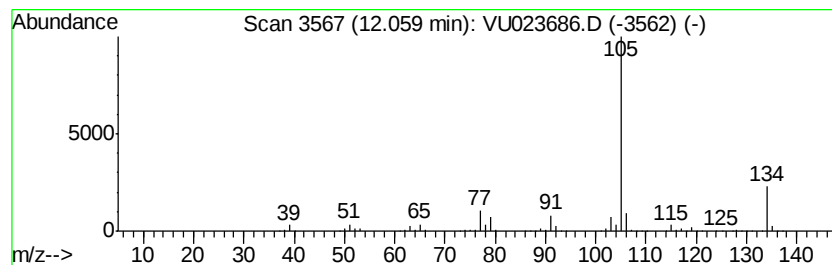
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 Benzene, 1-methyl-2-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	134.69 ug/L	3925240	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

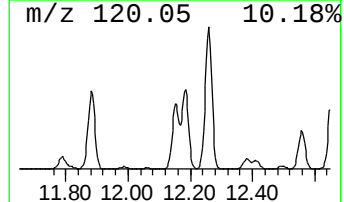
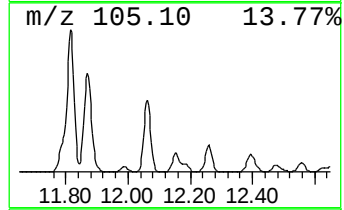
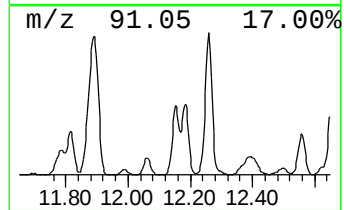
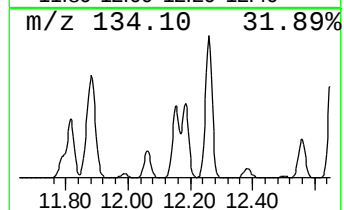
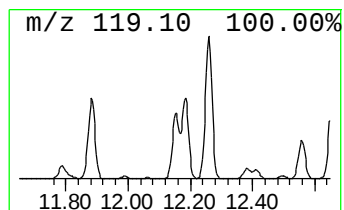
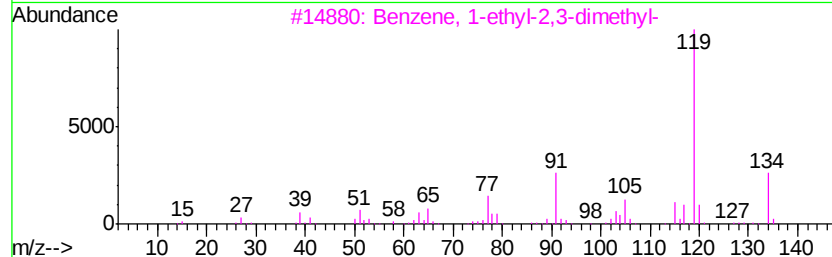
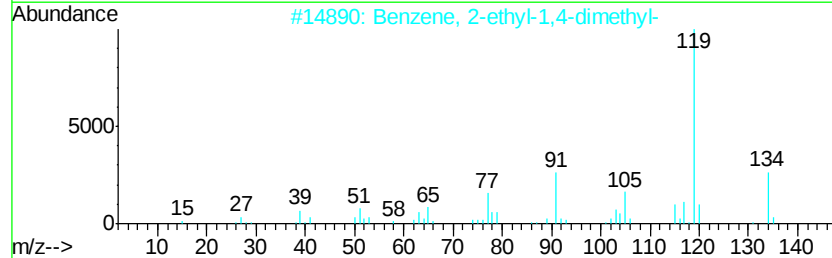
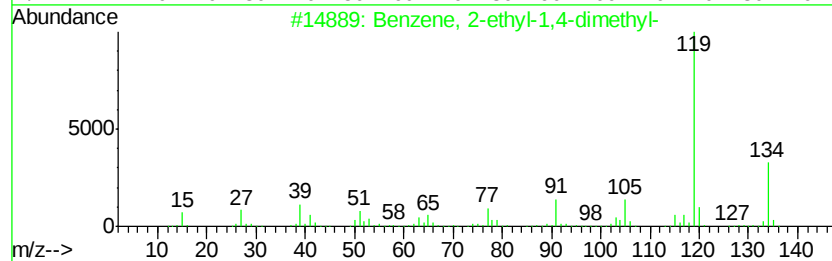
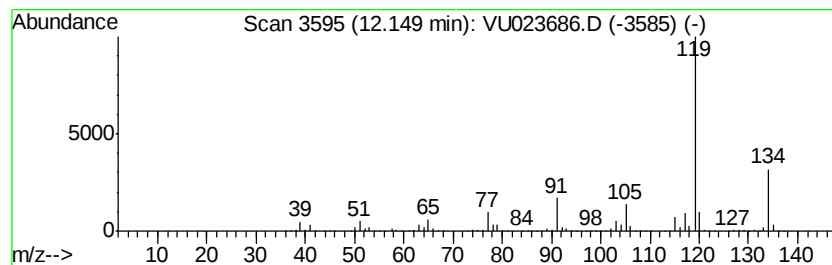
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	341.18 ug/L	9943190	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5		o-Cymene	134	C10H14	000527-84-4	95



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

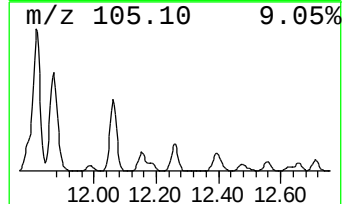
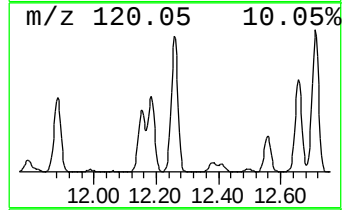
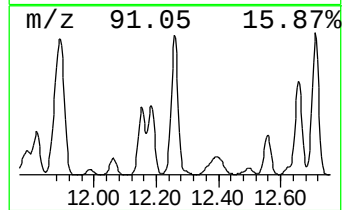
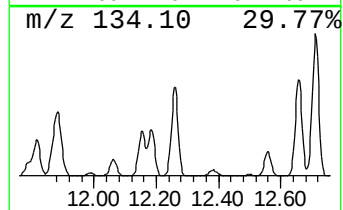
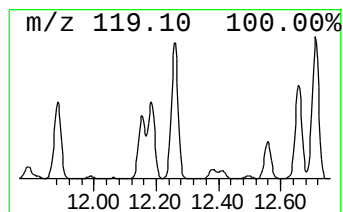
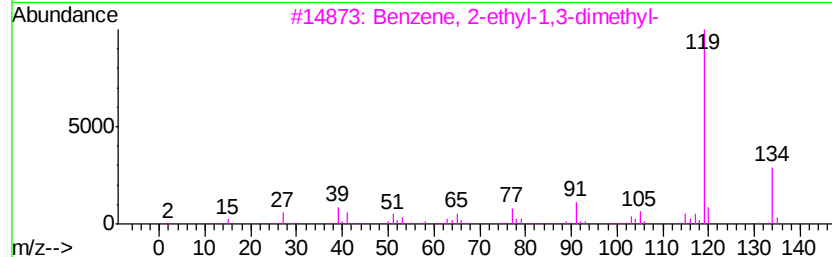
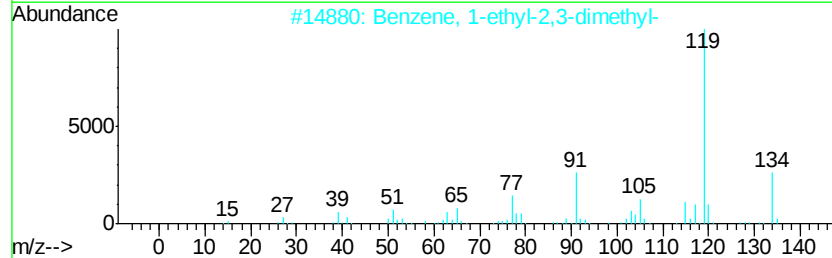
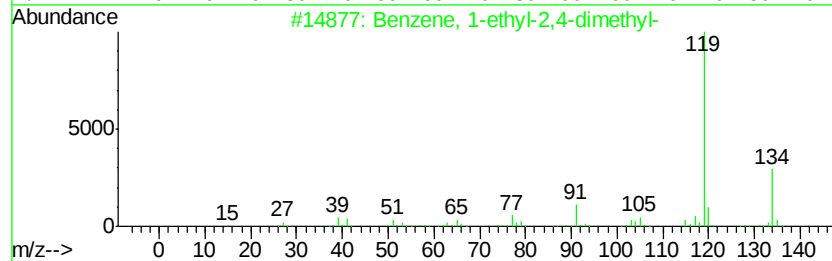
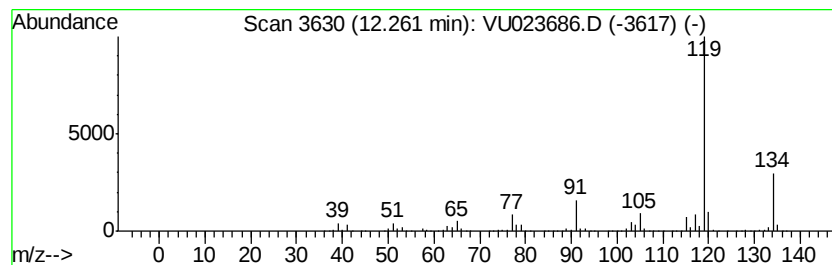
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	700.67 ug/L	20420100	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

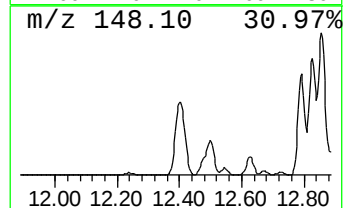
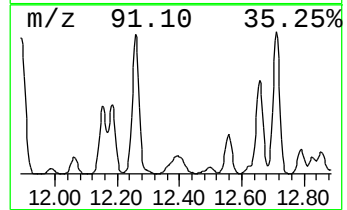
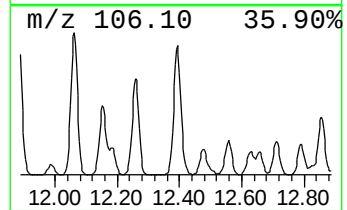
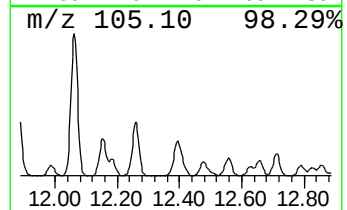
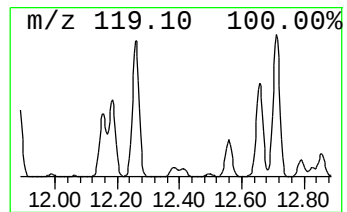
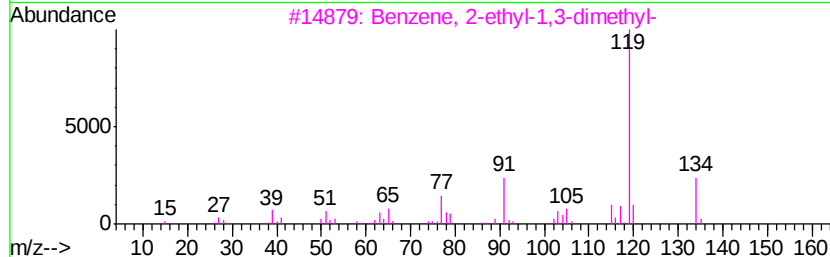
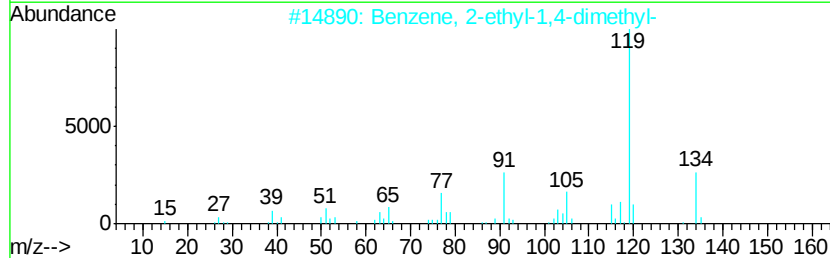
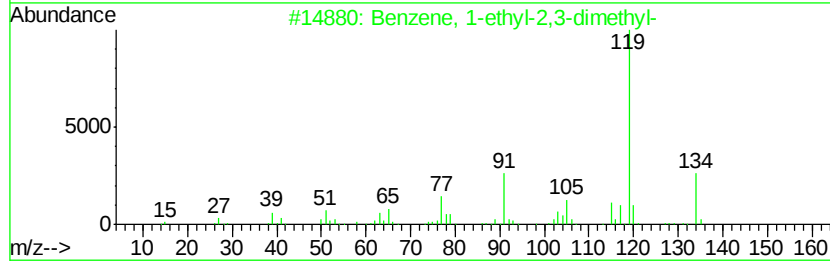
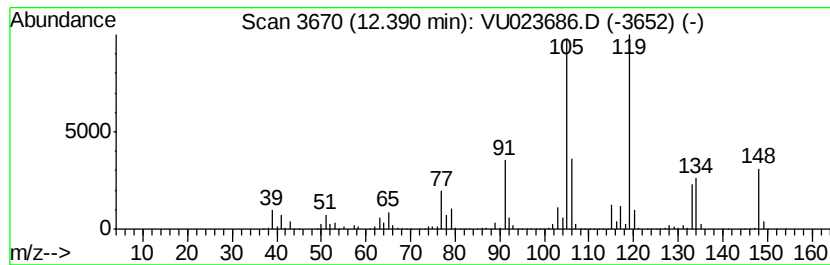
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	181.27 ug/L	5282780	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	92
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	92
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4		o-Cymene	134	C10H14	000527-84-4	87
5		o-Cymene	134	C10H14	000527-84-4	78



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

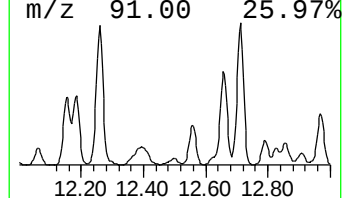
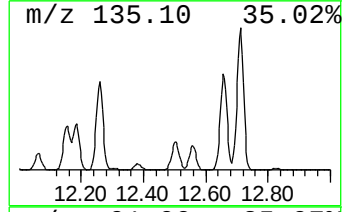
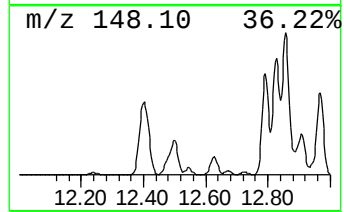
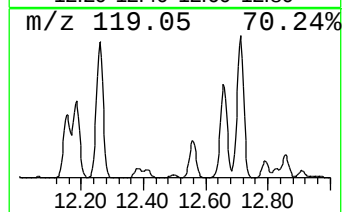
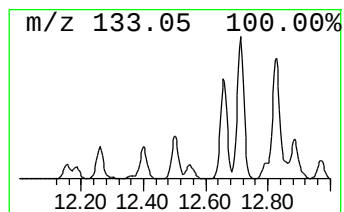
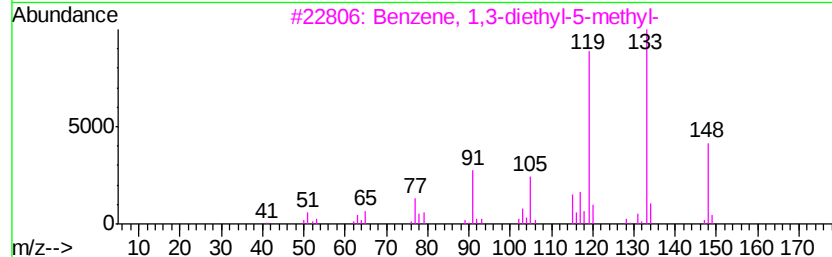
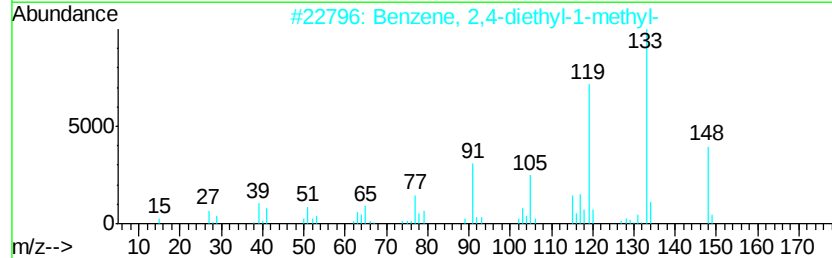
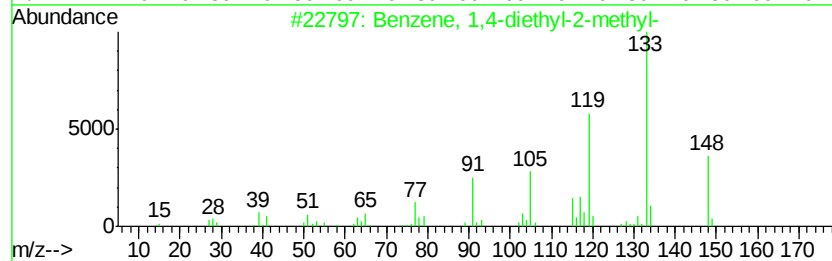
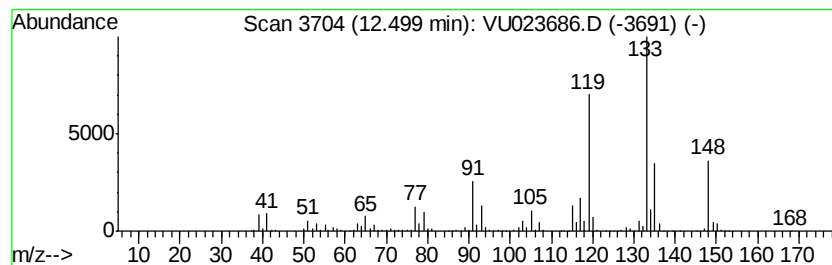
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	45.72 ug/L	1332320	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
4		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

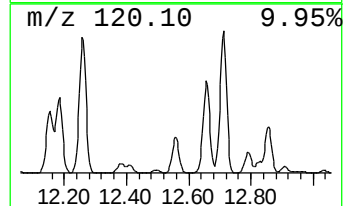
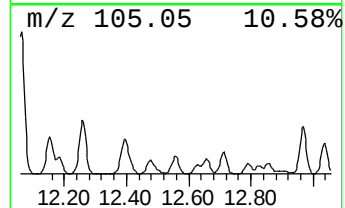
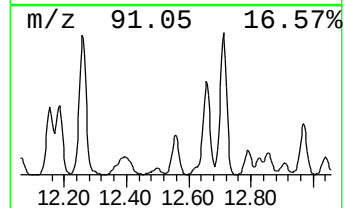
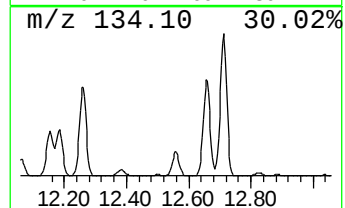
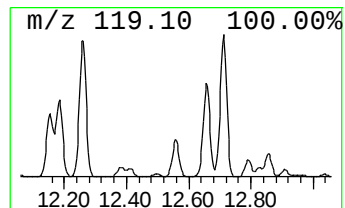
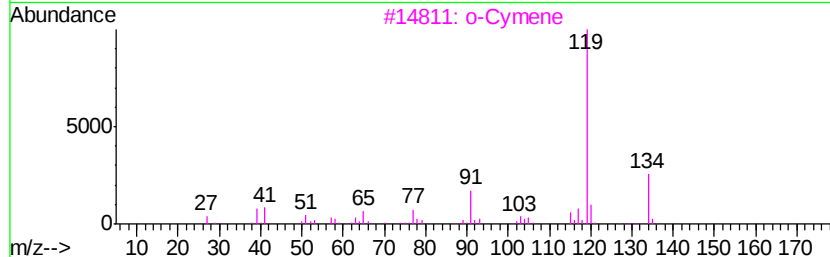
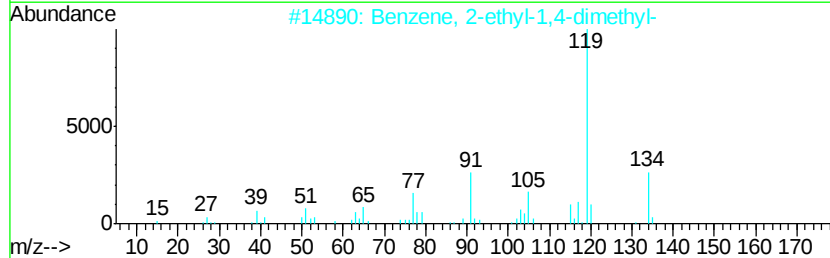
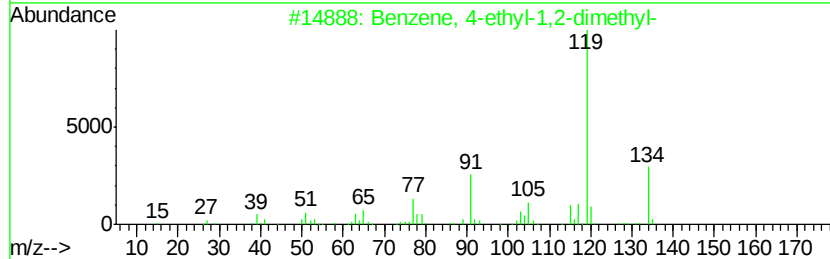
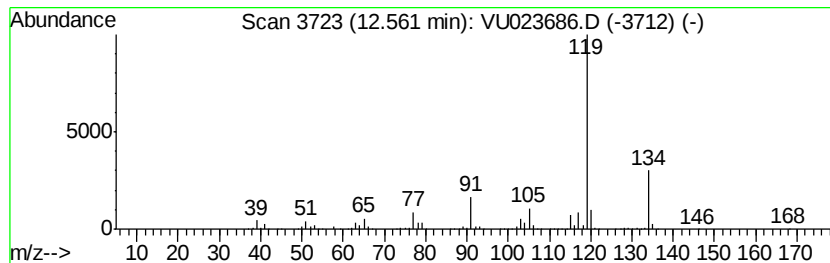
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	191.67 ug/L	5586070	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3		o-Cymene	134	C10H14	000527-84-4	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

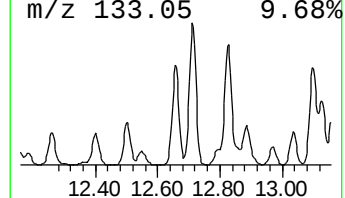
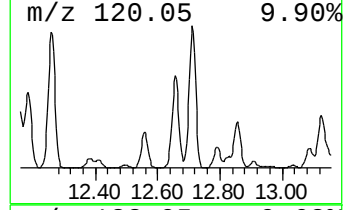
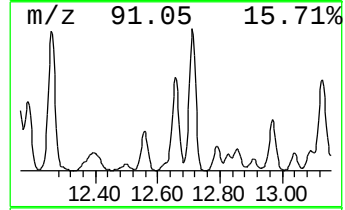
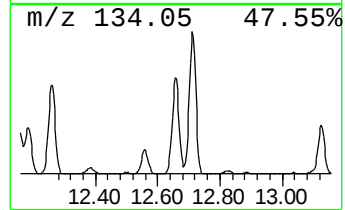
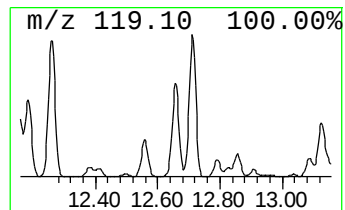
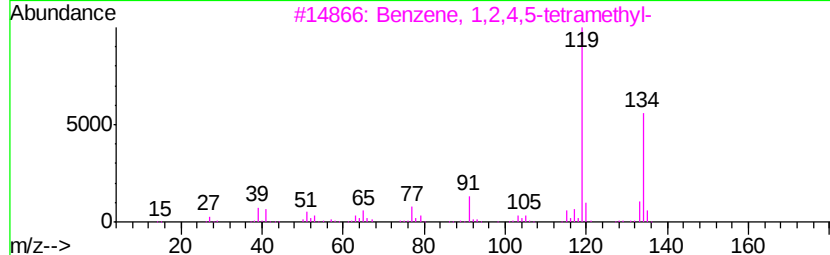
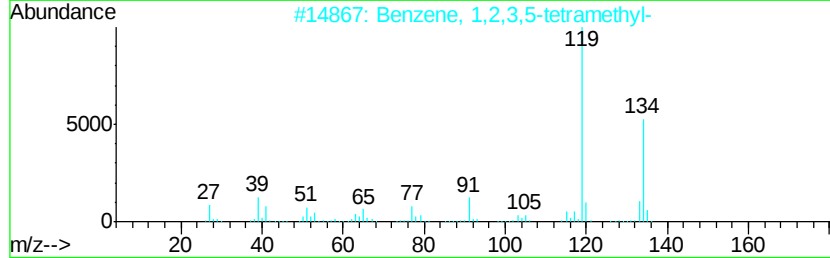
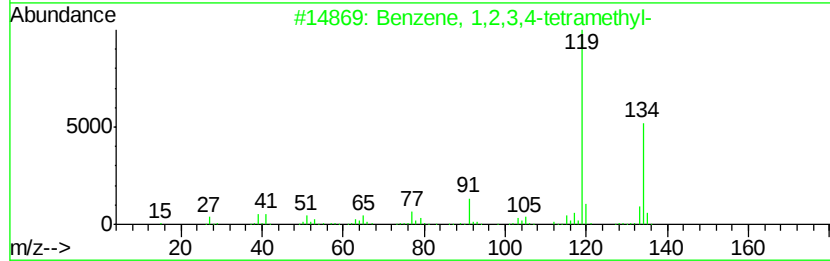
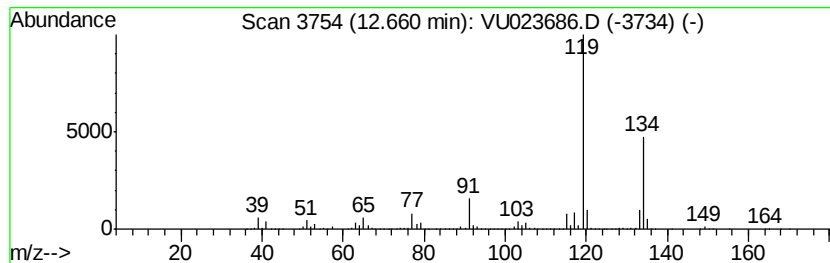
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	540.95 ug/L	15765300	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

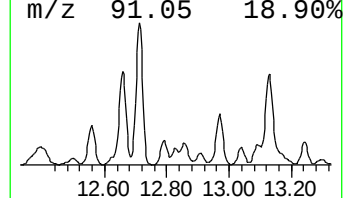
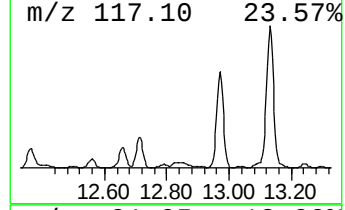
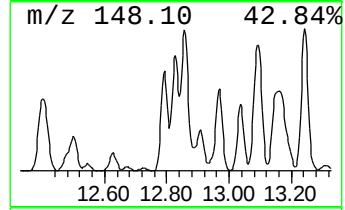
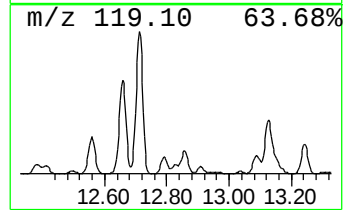
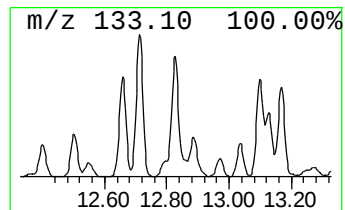
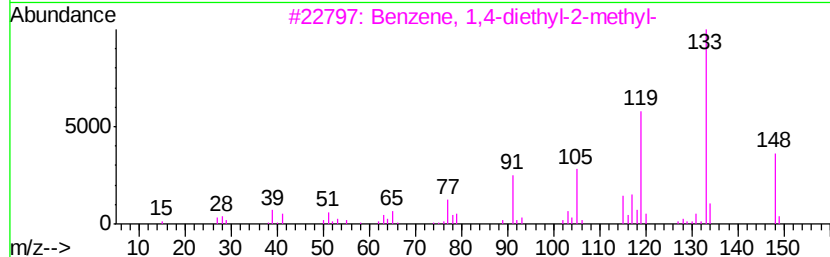
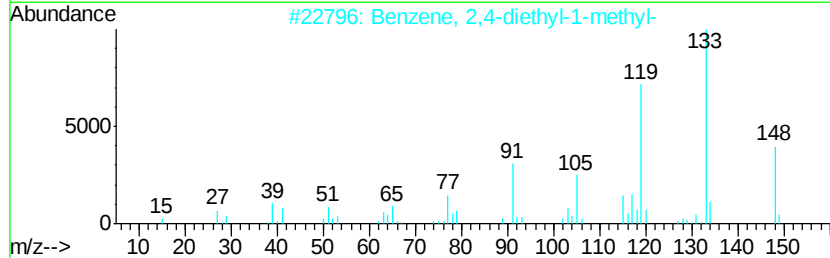
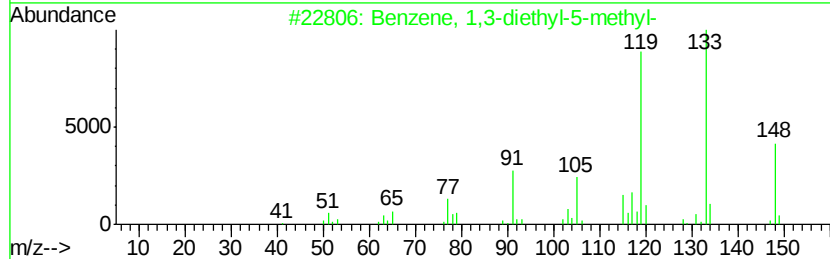
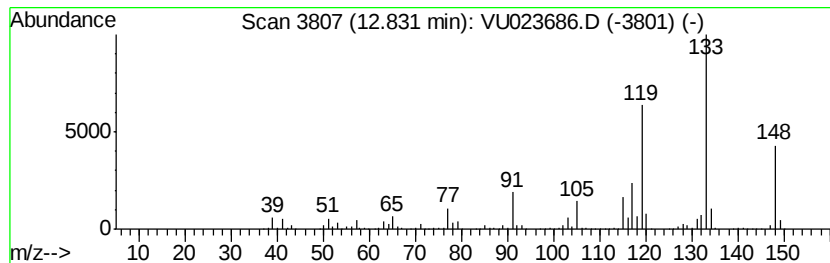
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 43 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	44.90 ug/L	1308430	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	93
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
3		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	93
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	70
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	68



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

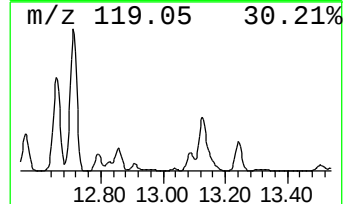
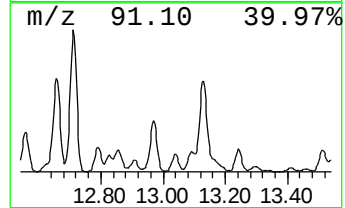
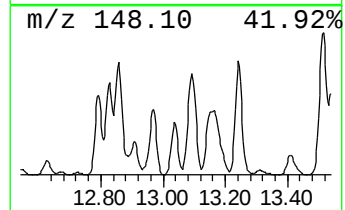
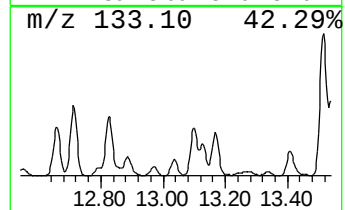
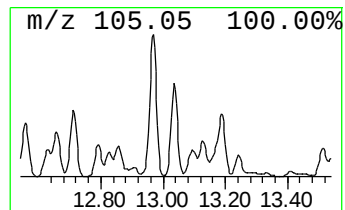
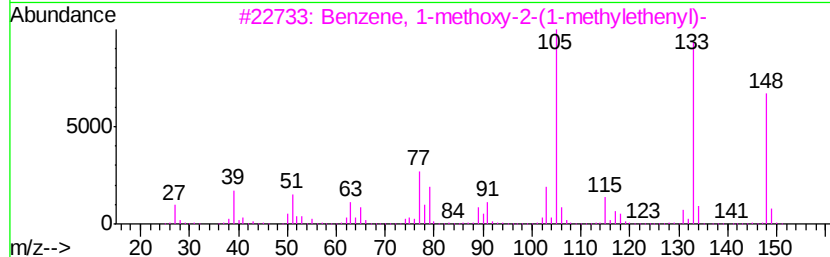
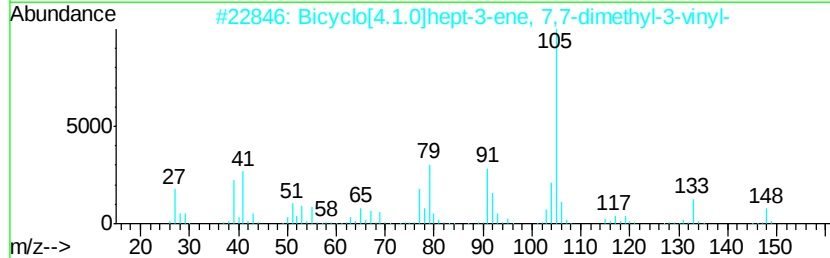
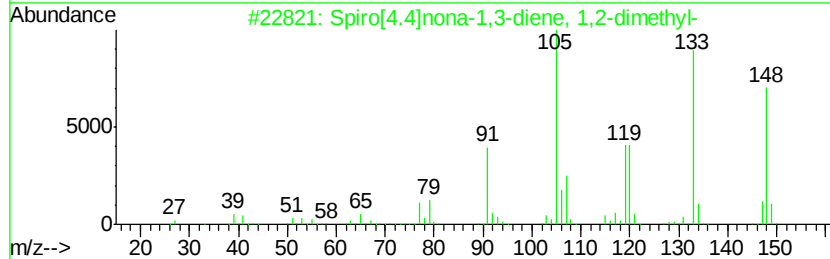
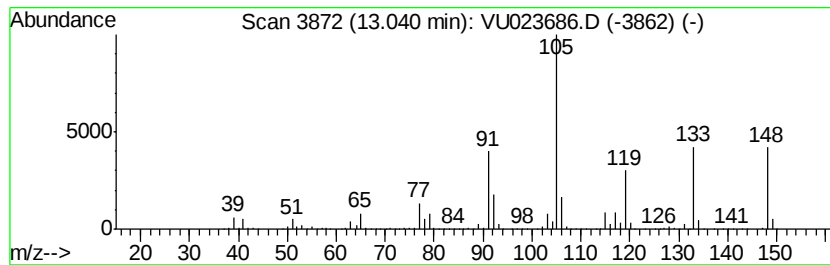
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 45 Spiro[4.4]nona-1,3-diene, 1... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	54.48 ug/L	1587690	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	78
2		Bicyclo[4.1.0]hept-3-ene, 7,7-di...	148	C11H16	113003-13-7	64
3		Benzene, 1-methoxy-2-(1-methyl-...	148	C10H12O	010278-02-1	58
4		2-Methyl-3,5-dinitrophenyl .beta...	330	C16H14N2O6	1000129-40-5	43
5		Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	38



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

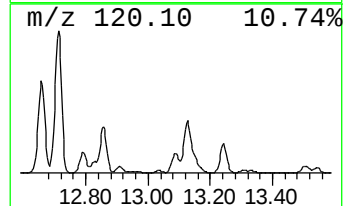
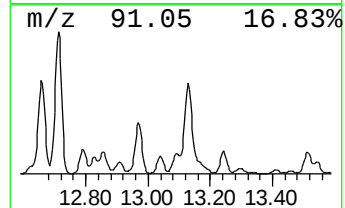
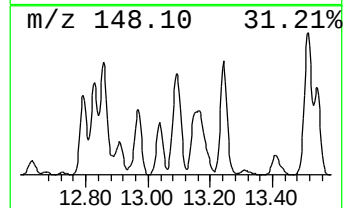
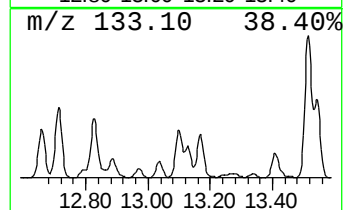
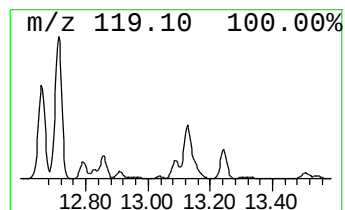
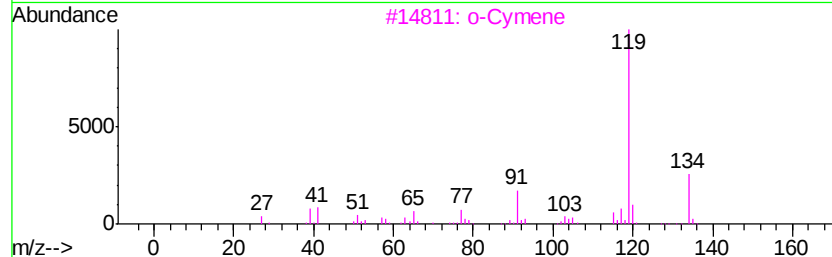
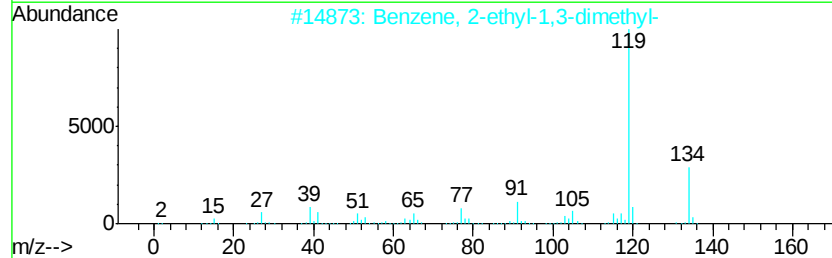
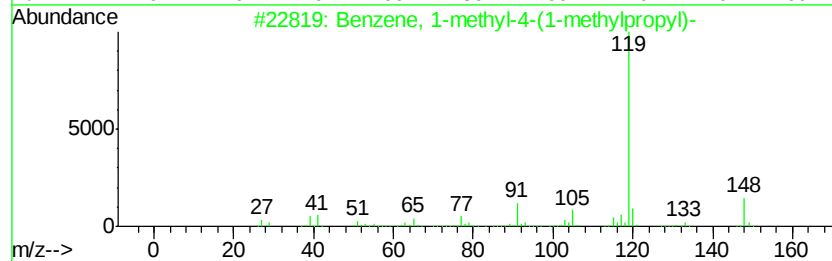
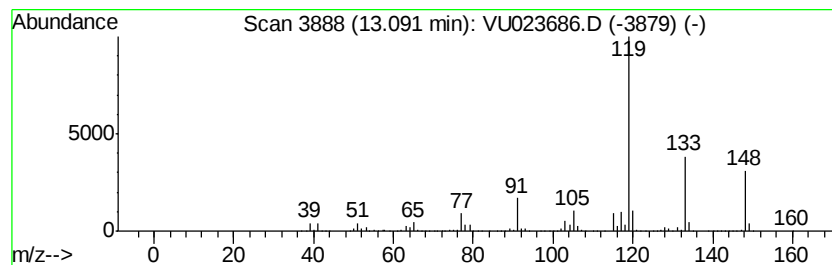
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 46 Benzene, 1-methyl-4-(1-meth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	98.68 ug/L	2875910	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
3		o-Cymene	134	C10H14	000527-84-4	60
4		o-Cymene	134	C10H14	000527-84-4	53
5		p-Cymene	134	C10H14	000099-87-6	53



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

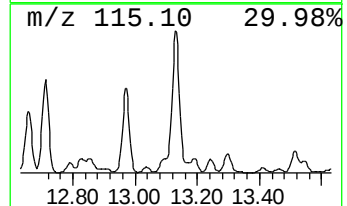
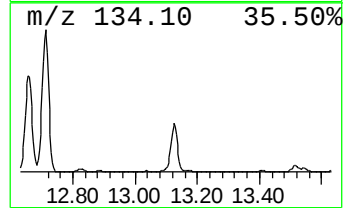
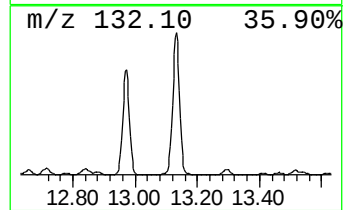
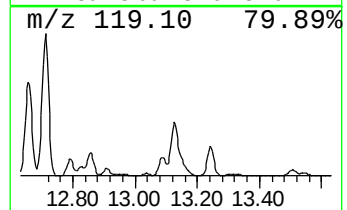
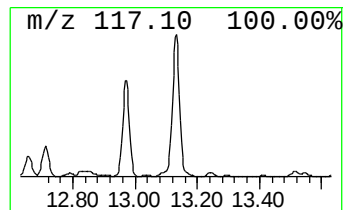
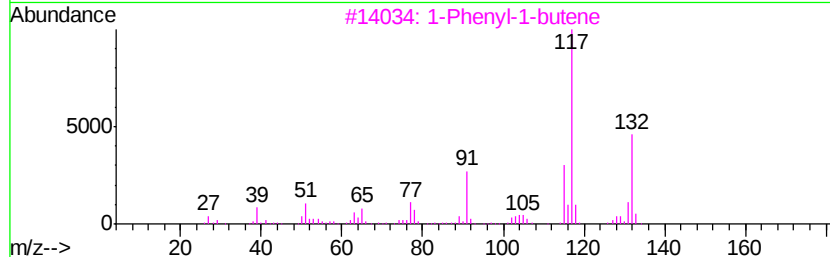
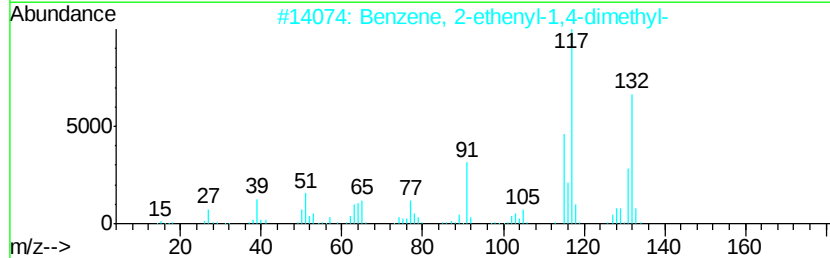
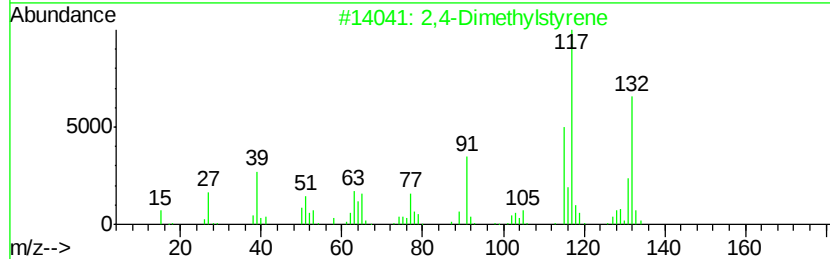
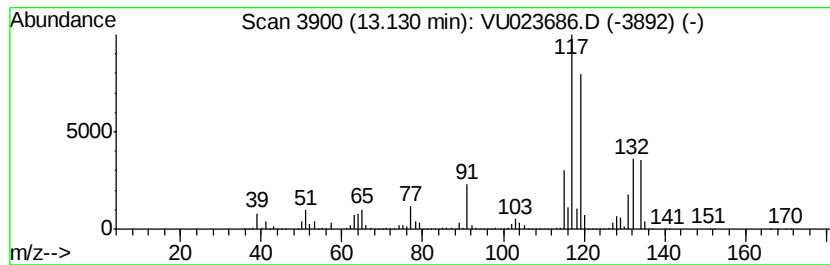
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 2,4-Dimethylstyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	710.61 ug/L	20710000	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	89
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	60
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	60



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

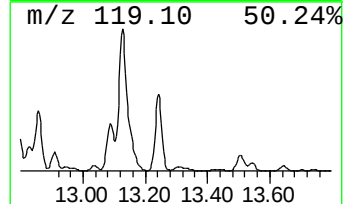
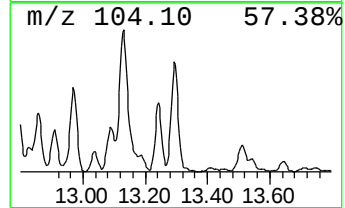
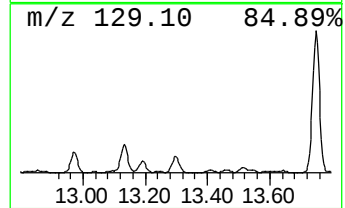
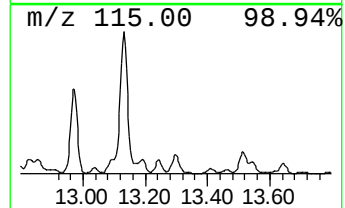
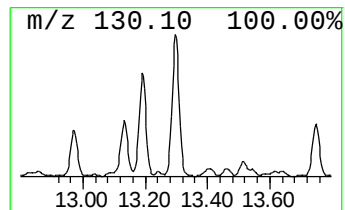
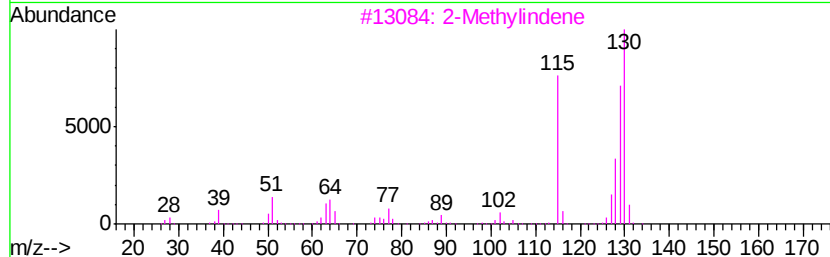
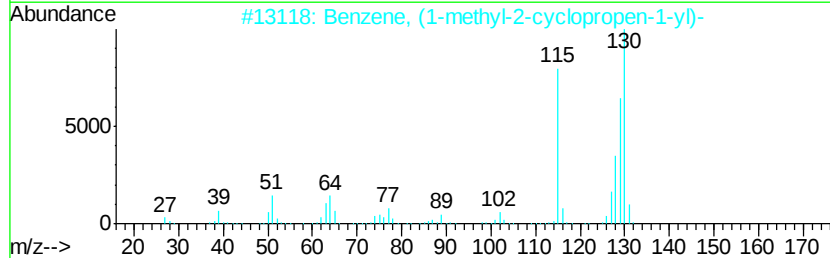
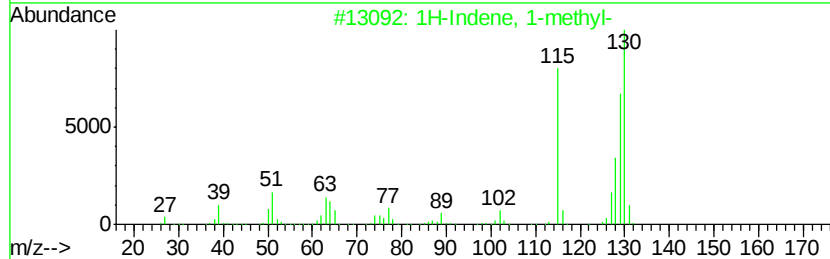
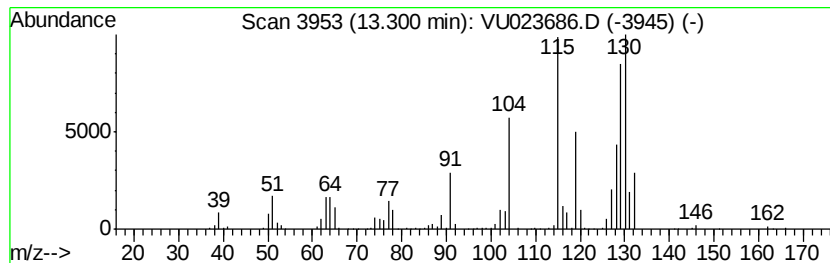
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 49 1H-Indene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	26.19 ug/L	763343	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2		Benzene, (1-methyl-2-cyclopropen-1-yl)-	130	C10H10	065051-83-4	92
3		2-Methylindene	130	C10H10	002177-47-1	92
4		Cyclopropylindene, 1,1a,6,6a-tetrahydro-	130	C10H10	015677-15-3	91
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	90



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

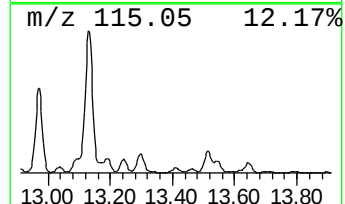
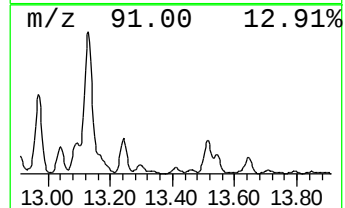
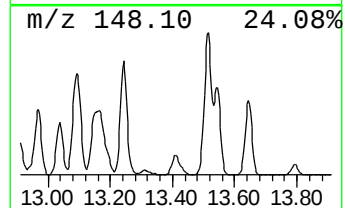
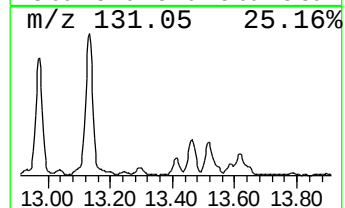
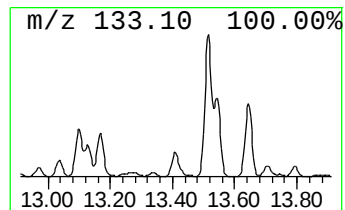
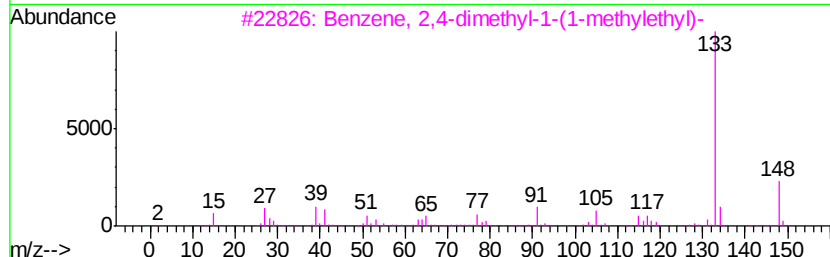
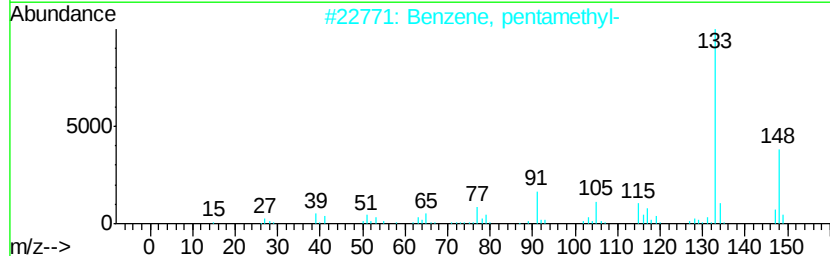
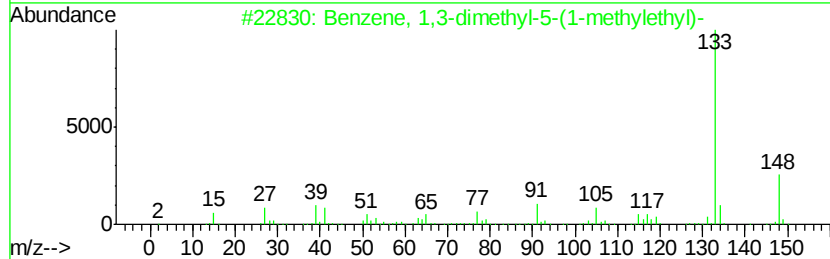
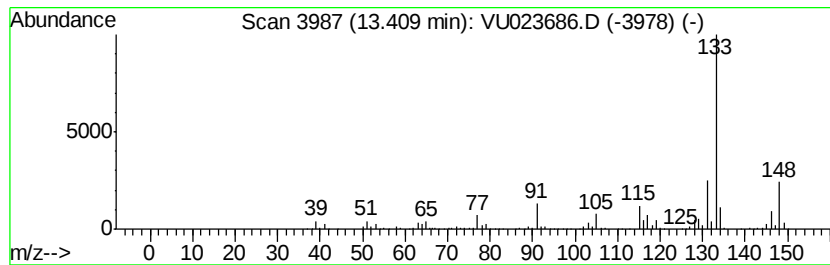
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 50 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	29.38 ug/L	856148	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-5-(1-methv...	148	C11H16	004706-90-5	76
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3		Benzene, 2,4-dimethyl-1-(1-methv...	148	C11H16	004706-89-2	76
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	74
5		4-tert-Butyltoluene	148	C11H16	000098-51-1	70



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

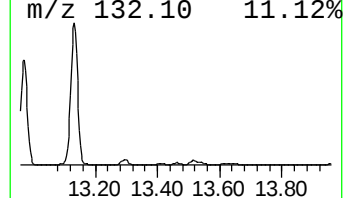
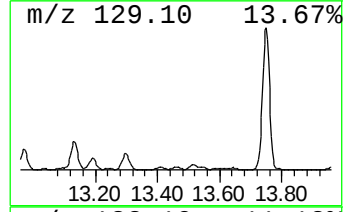
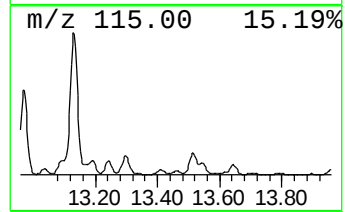
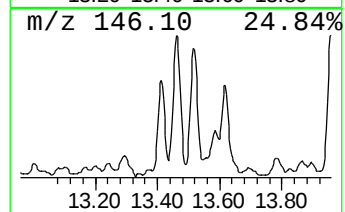
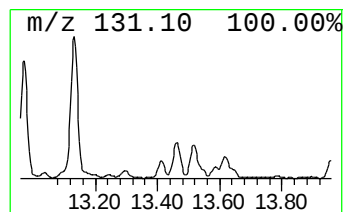
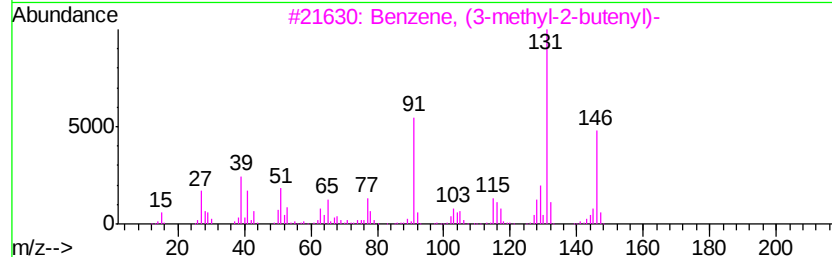
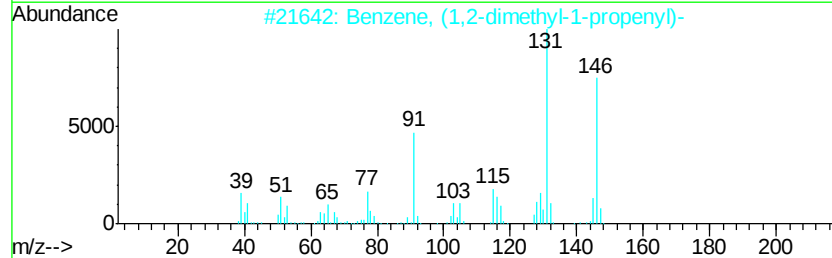
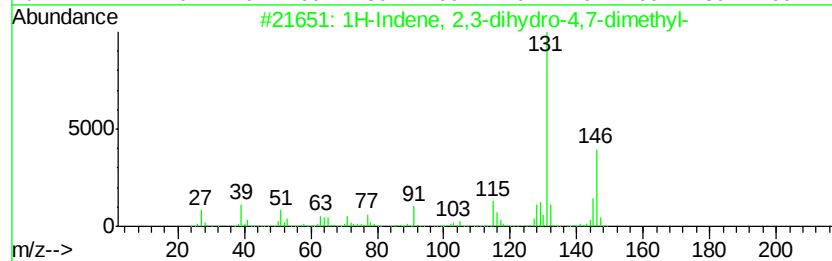
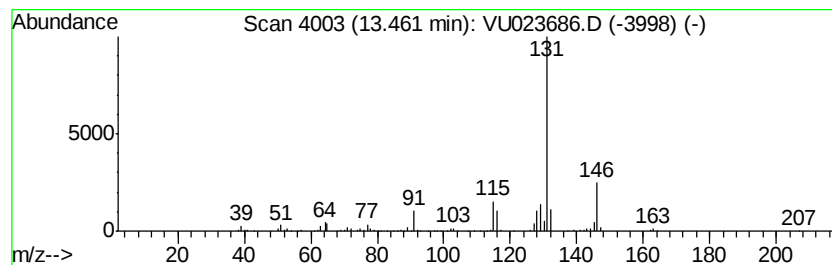
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 51 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	7.99 ug/L	232828	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
3		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

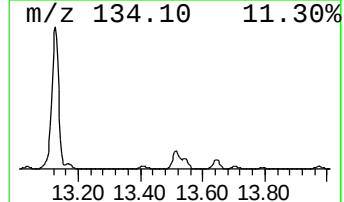
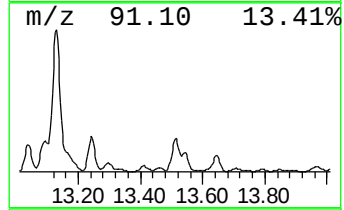
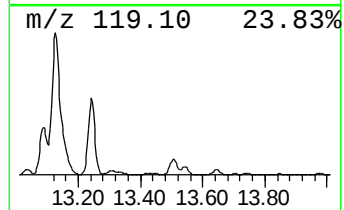
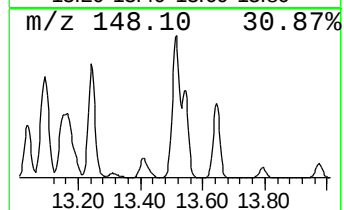
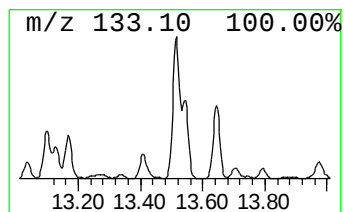
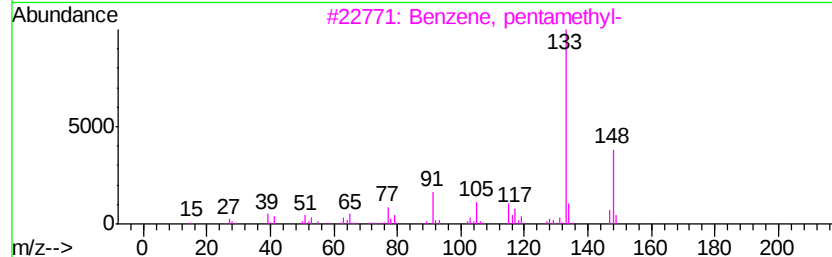
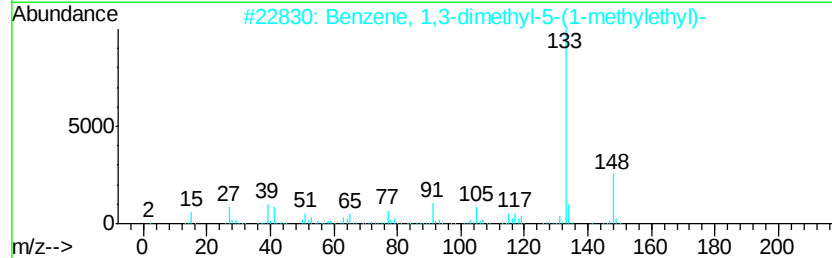
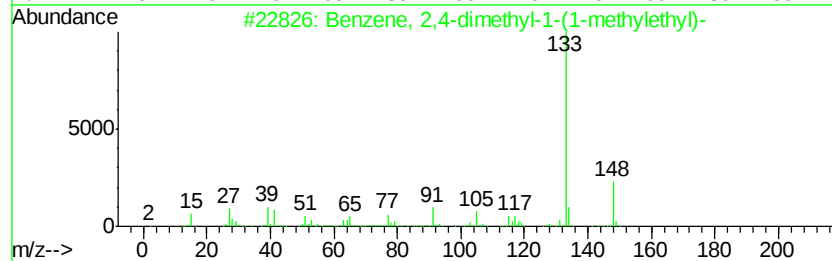
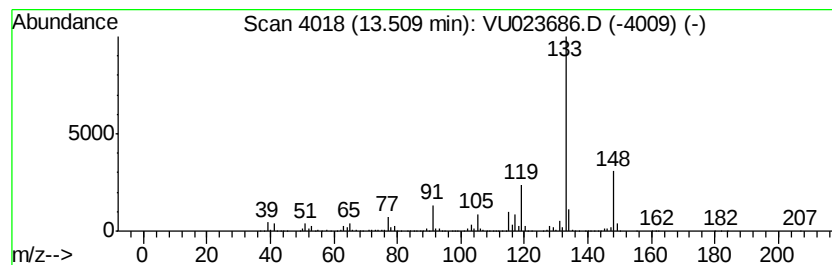
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 52 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	149.58 ug/L	4359310	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	94
2		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	94
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	94
4		3,4-Dimethylcumene	148	C11H16	1000370-34-1	91
5		Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	91



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

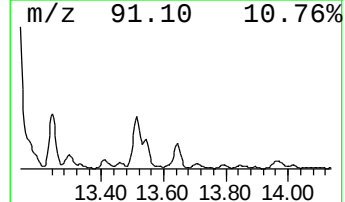
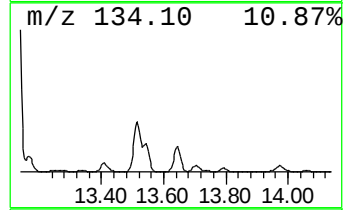
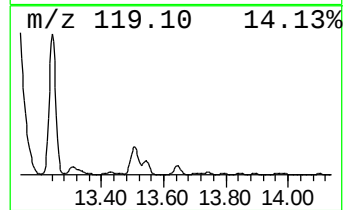
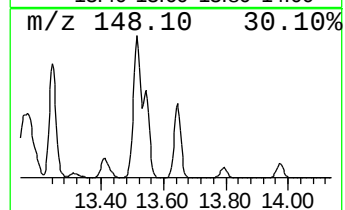
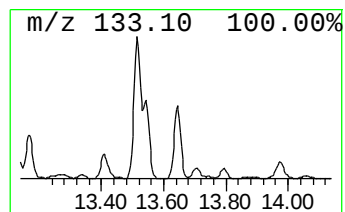
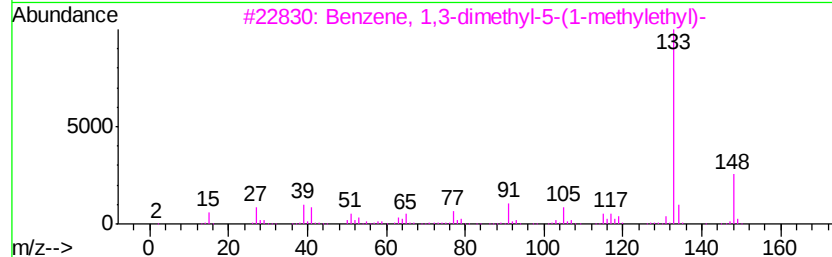
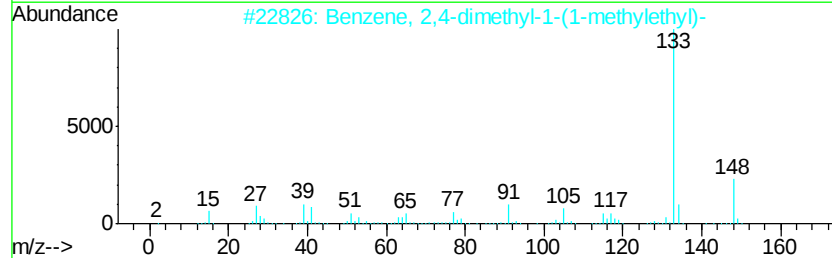
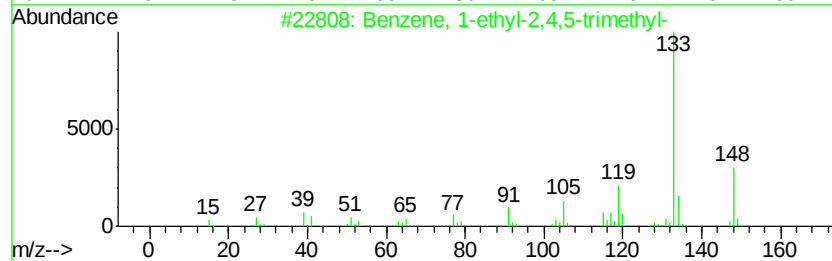
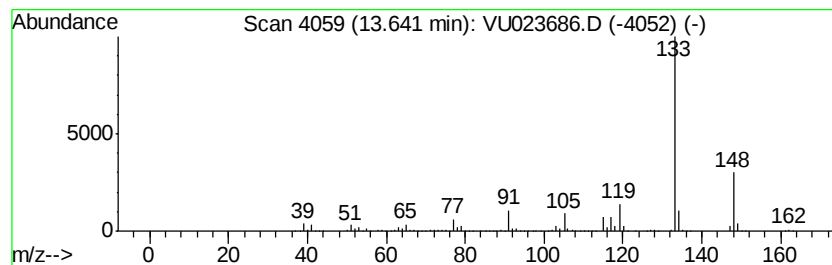
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 53 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	70.28 ug/L	2048340	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	91
2		Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	90
3		Benzene, 1,3-dimethyl-5-(1-methv...	148	C11H16	004706-90-5	90
4		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	87
5		Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	87



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

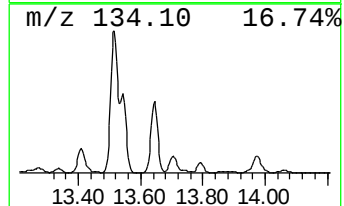
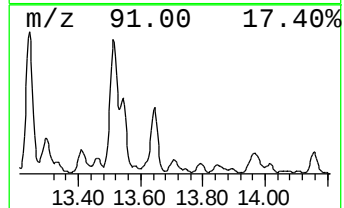
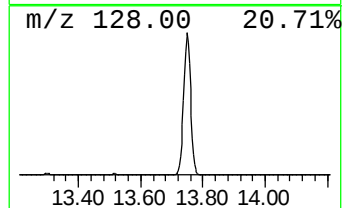
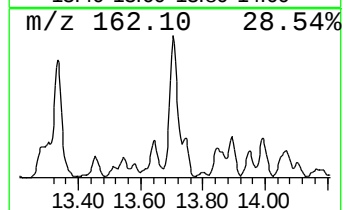
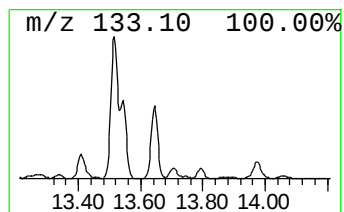
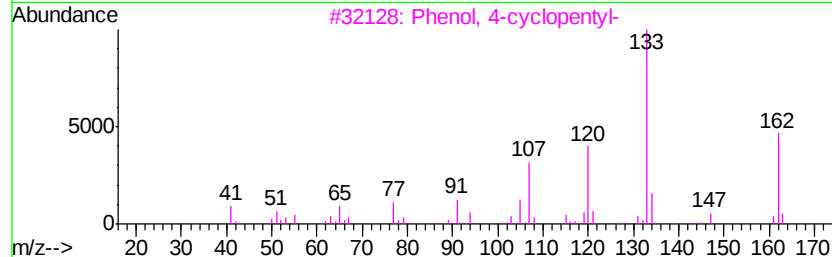
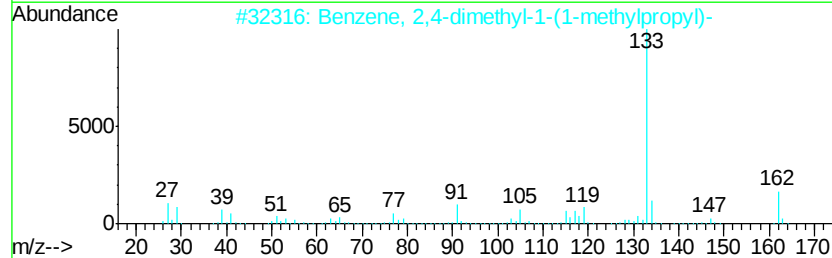
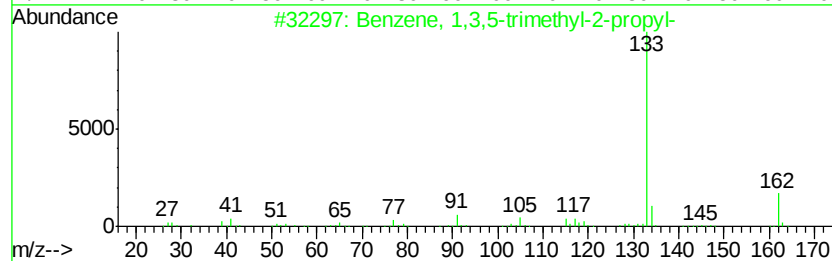
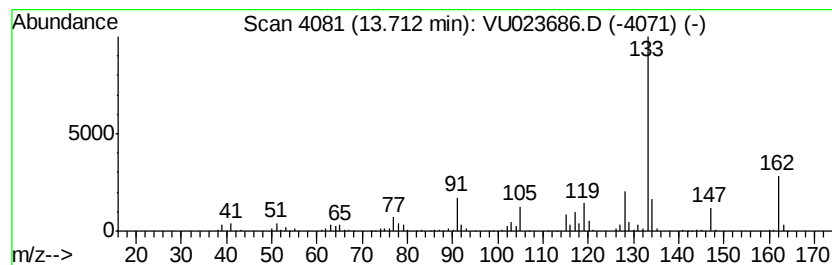
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 54 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	8.65 ug/L	252187	1,4-Dichlorobenzene-d4	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-propyl-	162	C12H18	004810-04-2	87
2			Benzene, 2,4-dimethyl-1-(1-methyl-...	162	C12H18	001483-60-9	86
3			Phenol, 4-cyclopentyl-	162	C11H14O	001518-83-8	64
4			Benzene, 1,4-dipropyl-	162	C12H18	004815-57-0	64
5			Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	58



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

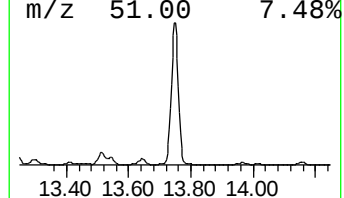
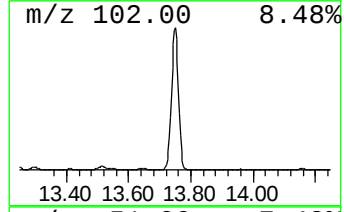
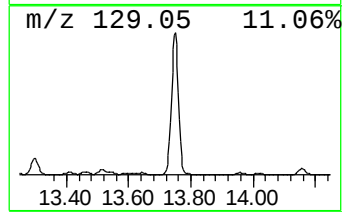
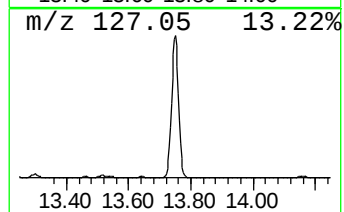
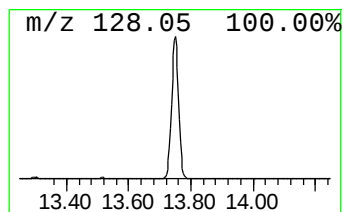
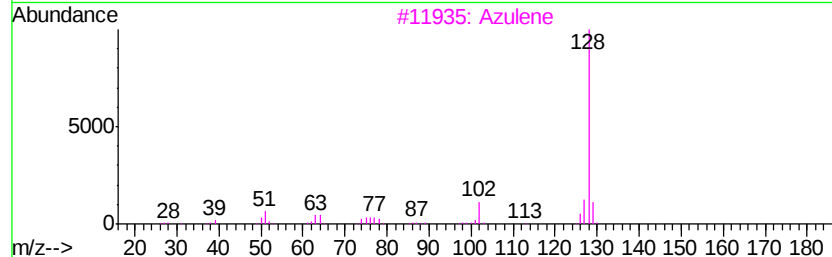
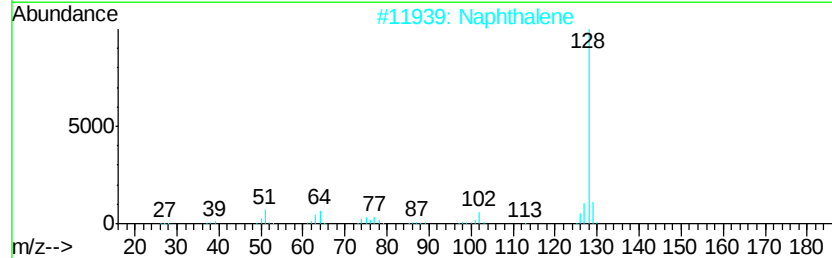
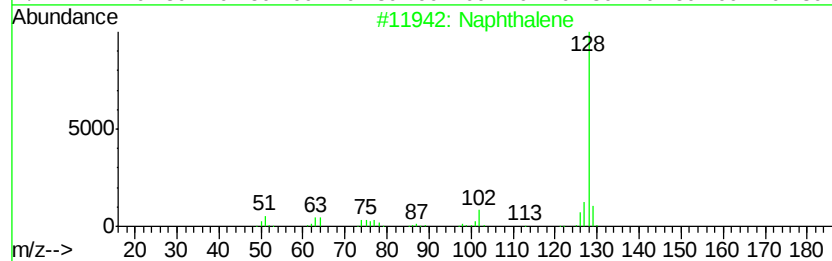
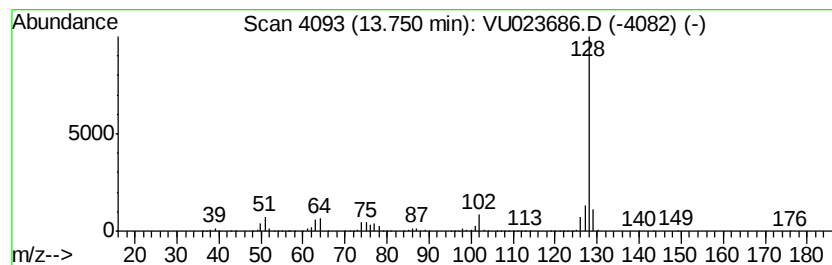
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 55 Azulene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	555.26 ug/L	16182500	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene	128	C10H8	000091-20-3	95
2		Naphthalene	128	C10H8	000091-20-3	94
3		Azulene	128	C10H8	000275-51-4	93
4		Naphthalene	128	C10H8	000091-20-3	91
5		Azulene	128	C10H8	000275-51-4	91



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050618\
Data File : VU023686.D
Acq On : 06 May 2018 12:49
Operator : MD/SY
Sample : J2721-18
Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

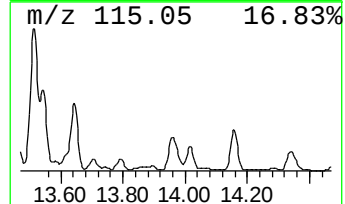
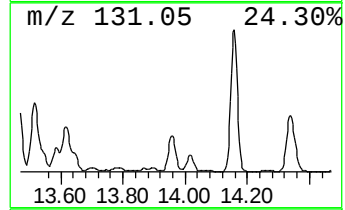
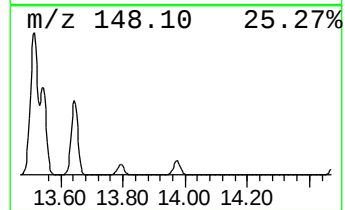
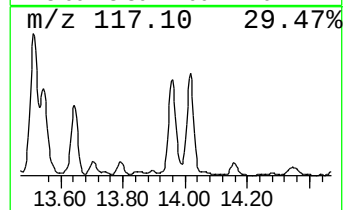
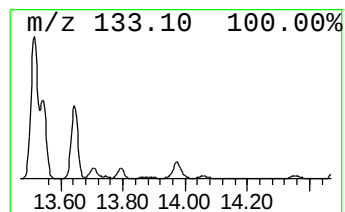
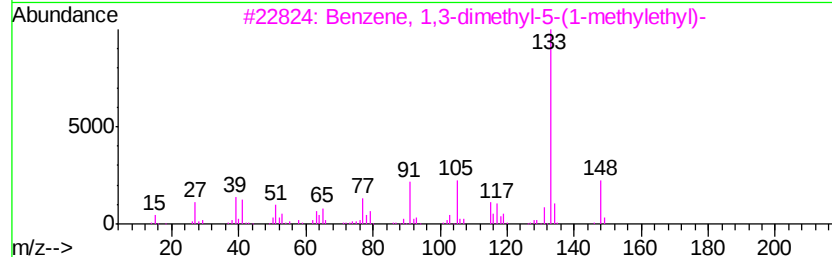
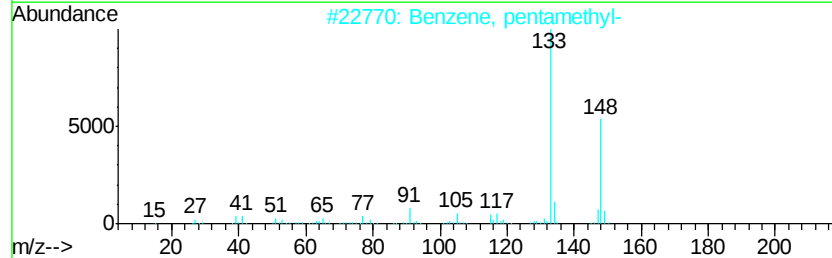
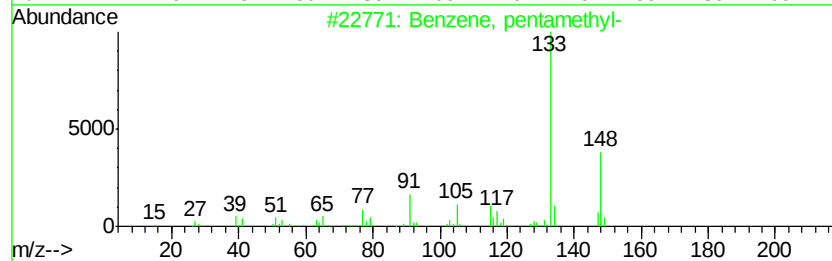
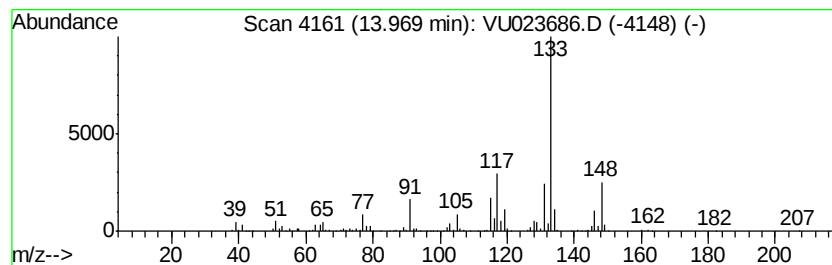
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 56 Benzene, pentamethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	30.67 ug/L	893865	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	50
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	50
3		Benzene, 1,3-dimethyl-5-(1-methv...	148	C11H16	004706-90-5	49
4		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	49
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	47



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050618\
 Data File : VU023686.D
 Acq On : 06 May 2018 12:49
 Operator : MD/SY
 Sample : J2721-18
 Misc : 3.72g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	5.78	4.4	ug/L	75418	1	5.89	864092	50.0
(DEL) Alkane: Str...	7.18	7.0	ug/L	120517	1	5.89	864092	50.0
(DEL) Alkane: Str...	7.34	7.7	ug/L	133256	1	5.89	864092	50.0
(DEL) Alkane: Cyc...	7.92	6.1	ug/L	135835	2	9.10	1116500	50.0
(DEL) Alkane: Cyc...	8.05	4.9	ug/L	108739	2	9.10	1116500	50.0
(DEL) Alkane: Str...	8.46	4.9	ug/L	110273	2	9.10	1116500	50.0
(DEL) Alkane: Cyc...	8.54	11.2	ug/L	250476	2	9.10	1116500	50.0
(DEL) Alkane: Cyc...	8.61	5.5	ug/L	122931	2	9.10	1116500	50.0
(DEL) Alkane: Str...	8.82	4.5	ug/L	100480	2	9.10	1116500	50.0
Dichloroacetic ac...	8.91	21.5	ug/L	479698	2	9.10	1116500	50.0
(DEL) Alkane: Str...	9.03	15.8	ug/L	352031	2	9.10	1116500	50.0
(DEL) Alkane: Str...	9.44	67.3	ug/L	1502510	2	9.10	1116500	50.0
unknown-01	9.57	2.5	ug/L	56742	2	9.10	1116500	50.0
(DEL) Alkane: Cyc...	9.72	14.8	ug/L	329913	2	9.10	1116500	50.0
(DEL) Alkane: Str...	9.96	19.7	ug/L	439338	2	9.10	1116500	50.0
(DEL) Alkane: Cyc...	10.05	12.4	ug/L	275921	2	9.10	1116500	50.0
Benzene, propyl-	10.59	14.6	ug/L	425898	3	11.49	1457190	50.0
Benzene, 1-ethyl-...	10.69	95.3	ug/L	2776950	3	11.49	1457190	50.0
Benzene, 1,2,3-tr...	10.78	46.6	ug/L	1358620	3	11.49	1457190	50.0
(DEL) Alkane: Str...	10.82	65.2	ug/L	1901000	3	11.49	1457190	50.0
Benzene, 1-ethyl-...	10.98	32.3	ug/L	942141	3	11.49	1457190	50.0
(DEL) Alkane: Str...	11.12	8.4	ug/L	244436	3	11.49	1457190	50.0
Benzene, (2-methy...	11.30	15.3	ug/L	446859	3	11.49	1457190	50.0
(DEL) Alkane: Cyc...	11.40	12.0	ug/L	348802	3	11.49	1457190	50.0
o-Cymene	11.43	22.3	ug/L	649852	3	11.49	1457190	50.0
Benzene, 1,2-diet...	11.79	158.2	ug/L	4610790	3	11.49	1457190	50.0
Benzene, 1-methyl...	11.81	255.4	ug/L	7443120	3	11.49	1457190	50.0
(DEL) Alkane: Str...	12.03	31.7	ug/L	924124	3	11.49	1457190	50.0
Benzene, 1-methyl...	12.06	134.7	ug/L	3925240	3	11.49	1457190	50.0
Benzene, 2-ethyl-...	12.15	341.2	ug/L	9943190	3	11.49	1457190	50.0
Benzene, 1-ethyl-...	12.26	700.7	ug/L	20420100	3	11.49	1457190	50.0
Benzene, 1-ethyl-...	12.39	181.3	ug/L	5282780	3	11.49	1457190	50.0
Benzene, 1,4-diet...	12.50	45.7	ug/L	1332320	3	11.49	1457190	50.0
Benzene, 4-ethyl-...	12.56	191.7	ug/L	5586070	3	11.49	1457190	50.0
Benzene, 1,2,3,4-...	12.66	541.0	ug/L	15765300	3	11.49	1457190	50.0
Benzene, 1,3-diet...	12.83	44.9	ug/L	1308430	3	11.49	1457190	50.0
Spiro[4.4]nona-1,...	13.04	54.5	ug/L	1587690	3	11.49	1457190	50.0
Benzene, 1-methyl...	13.09	98.7	ug/L	2875910	3	11.49	1457190	50.0
2,4-Dimethylstyrene	13.13	710.6	ug/L	20710000	3	11.49	1457190	50.0
1H-Indene, 1-methyl-	13.30	26.2	ug/L	763343	3	11.49	1457190	50.0
Benzene, 1,3-dime...	13.41	29.4	ug/L	856148	3	11.49	1457190	50.0
1H-Indene, 2,3-di...	13.46	8.0	ug/L	232828	3	11.49	1457190	50.0
Benzene, 2,4-dime...	13.51	149.6	ug/L	4359310	3	11.49	1457190	50.0
Benzene, 1-ethyl-...	13.64	70.3	ug/L	2048340	3	11.49	1457190	50.0
Benzene, 1,3,5-tr...	13.71	8.7	ug/L	252187	3	11.49	1457190	50.0
Azulene	13.75	555.3	ug/L	16182500	3	11.49	1457190	50.0
Benzene, pentamet...	13.97	30.7	ug/L	893865	3	11.49	1457190	50.0