

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028822.D
 Acq On : 20 Dec 2018 14:17
 Operator : MD/SY
 Sample : J6441-11
 Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF024

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.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	1.321	42	46	57	rVB	3659	4229	0.01%	0.002%
2	1.395	62	69	83	rBV	83729	96444	0.19%	0.039%
3	1.578	108	126	127	rBV8	8441	17864	0.04%	0.007%
4	1.640	140	145	156	rBV	58766	65203	0.13%	0.026%
5	2.099	282	288	296	rBV5	1109	1609	0.00%	0.001%
6	2.234	319	330	344	rBV	136860	211675	0.43%	0.086%
7	2.347	360	365	381	rVB7	2672	4946	0.01%	0.002%
8	2.434	386	392	404	rVB2	1261	2017	0.00%	0.001%
9	2.630	444	453	461	rBV3	1270	2324	0.00%	0.001%
10	2.688	464	471	478	rVB4	1312	2261	0.00%	0.001%
11	2.723	479	482	487	rBV2	294	244	0.00%	0.000%
12	2.826	503	514	528	rVB	2577	5709	0.01%	0.002%
13	3.135	604	610	613	rBV	346	421	0.00%	0.000%
14	3.189	622	627	630	rVB2	249	285	0.00%	0.000%
15	3.218	630	636	640	rBV2	221	325	0.00%	0.000%
16	3.543	731	737	739	rBV2	296	215	0.00%	0.000%
17	3.646	765	769	773	rBV2	201	217	0.00%	0.000%
18	3.787	810	813	818	rVB	238	250	0.00%	0.000%
19	3.983	869	874	875	rBV	273	212	0.00%	0.000%
20	4.192	926	939	978	rBV	45079	159241	0.32%	0.065%
21	4.553	1047	1051	1054	rBV2	238	209	0.00%	0.000%
22	4.643	1060	1079	1108	rBV	97462	241247	0.49%	0.098%
23	4.881	1148	1153	1156	rBV2	286	307	0.00%	0.000%
24	5.327	1270	1292	1325	rBV2	230943	670218	1.35%	0.272%
25	5.536	1351	1357	1359	rBV3	174	204	0.00%	0.000%
26	5.610	1373	1380	1389	rBV4	949	1946	0.00%	0.001%
27	5.880	1450	1464	1492	rBV	224229	462529	0.93%	0.187%
28	6.077	1519	1525	1528	rBV2	183	224	0.00%	0.000%
29	6.250	1570	1579	1589	rBV5	1202	2449	0.00%	0.001%
30	6.324	1589	1602	1624	rBV	141219	296757	0.60%	0.120%
31	6.482	1647	1651	1658	rVB	294	239	0.00%	0.000%
32	6.893	1770	1779	1784	rBV2	573	876	0.00%	0.000%
33	7.173	1861	1866	1871	rBV2	845	1197	0.00%	0.000%
34	7.224	1871	1882	1903	rVB2	79963	155151	0.31%	0.063%

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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Title : VOC Analysis

35	7.337	1910	1917	1929	rVB4	1102	1520	0.00%	0.001%
36	7.485	1955	1963	1964	rBV3	622	546	0.00%	0.000%
37	7.562	1967	1987	2004	rBV	287466	534356	1.07%	0.217%
38	7.639	2005	2011	2023	rVB3	5508	10343	0.02%	0.004%
39	7.745	2041	2044	2047	rVB2	297	246	0.00%	0.000%
40	7.816	2056	2066	2069	rBV3	11616	16344	0.03%	0.007%
41	7.848	2069	2076	2091	rVB	50035	94804	0.19%	0.038%
42	7.970	2111	2114	2116	rBV	284	195	0.00%	0.000%
43	7.993	2117	2121	2127	rVB2	444	484	0.00%	0.000%
44	8.041	2127	2136	2148	rVB3	5319	9088	0.02%	0.004%
45	8.157	2154	2172	2185	rBV5	4421	9265	0.02%	0.004%
46	8.224	2185	2193	2206	rVB3	8118	13044	0.03%	0.005%
47	8.324	2209	2224	2251	rBV	240124	455455	0.92%	0.185%
48	8.475	2254	2271	2282	rBV5	54110	139195	0.28%	0.056%
49	8.604	2301	2311	2319	rBV2	21695	37013	0.07%	0.015%
50	8.755	2350	2358	2365	rBV4	3616	5584	0.01%	0.002%
51	8.813	2365	2376	2379	rVV	37158	57549	0.12%	0.023%
52	8.845	2381	2386	2396	rVV3	87561	166923	0.34%	0.068%
53	8.906	2396	2405	2420	rVB2	253582	441977	0.89%	0.179%
54	9.031	2431	2444	2453	rBV	196942	327030	0.66%	0.133%
55	9.093	2453	2463	2475	rVV	334706	596965	1.20%	0.242%
56	9.260	2498	2515	2528	rBV2	27232437	46120710	92.73%	18.691%
57	9.376	2541	2551	2556	rBV	342141	625459	1.26%	0.253%
58	9.443	2564	2572	2598	rVB	1743871	2698915	5.43%	1.094%
59	9.565	2598	2610	2623	rBV4	52790	100220	0.20%	0.041%
60	9.652	2627	2637	2643	rBV3	54096	99343	0.20%	0.040%
61	9.716	2644	2657	2666	rBV5	542319	1039021	2.09%	0.421%
62	9.781	2667	2677	2697	rVB	1514939	2871351	5.77%	1.164%
63	9.951	2712	2730	2739	rBV3	775245	1458984	2.93%	0.591%
64	10.009	2740	2748	2749	rBV2	138715	156559	0.31%	0.063%
65	10.041	2751	2758	2767	rVV2	634315	1025874	2.06%	0.416%
66	10.170	2785	2798	2808	rBV	2159670	3623488	7.29%	1.468%
67	10.253	2819	2824	2832	rVB2	332124	454016	0.91%	0.184%
68	10.453	2870	2886	2894	rBV2	1022879	2126079	4.27%	0.862%
69	10.591	2918	2929	2940	rBV	6041652	9538010	19.18%	3.865%
70	10.694	2948	2961	2976	rBV	21828813	49734264	100.00%	20.155%
71	10.781	2977	2988	2994	rVV	11505096	18035924	36.26%	7.309%

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 Title : VOC Analysis

72	10.816	2995	2999	3010	rVB	5054709	6461786	12.99%	2.619%
73	10.977	3038	3049	3068	rVB	7789881	12495418	25.12%	5.064%
74	11.118	3086	3093	3095	rBV	869303	1063536	2.14%	0.431%
75	11.160	3095	3106	3130	rVB	27794329	44082250	88.64%	17.864%
76	11.273	3132	3141	3143	rBV2	374291	491242	0.99%	0.199%
77	11.398	3172	3180	3185	rBV2	623139	951727	1.91%	0.386%
78	11.482	3200	3206	3214	rBV3	554452	745452	1.50%	0.302%
79	11.530	3216	3221	3226	rBV2	412436	506437	1.02%	0.205%
80	11.575	3226	3235	3243	rBV	6503205	9344906	18.79%	3.787%
81	11.700	3268	3274	3284	rVB	660500	941200	1.89%	0.381%
82	11.777	3286	3298	3305	rBV3	2905276	6012819	12.09%	2.437%
83	11.871	3316	3327	3343	rVB5	3020216	6214152	12.49%	2.518%
84	12.025	3366	3375	3383	rBV	3553251	5014972	10.08%	2.032%
85	12.147	3405	3413	3417	rBV	777732	1136926	2.29%	0.461%
86	12.250	3438	3445	3455	rVB	2282989	3437761	6.91%	1.393%
87	12.359	3472	3479	3497	rBV8	241229	588358	1.18%	0.238%
88	12.610	3548	3557	3562	rBV2	310971	485164	0.98%	0.197%
89	12.700	3578	3585	3592	rBV2	332399	519807	1.05%	0.211%
90	13.121	3708	3716	3740	rVB2	353133	593202	1.19%	0.240%
91	13.247	3747	3755	3772	rVB	242356	391952	0.79%	0.159%
92	13.610	3860	3868	3882	rVB2	48881	99751	0.20%	0.040%
93	13.742	3899	3909	3918	rVB	36694	62333	0.13%	0.025%
94	14.054	3997	4006	4017	rVB5	23063	39693	0.08%	0.016%
95	14.141	4025	4033	4042	rBV3	11375	18319	0.04%	0.007%
96	14.340	4089	4095	4107	rVB10	4230	5797	0.01%	0.002%
97	14.449	4126	4129	4130	rBV2	1324	861	0.00%	0.000%
98	14.526	4150	4153	4154	rBV3	883	566	0.00%	0.000%
99	14.887	4257	4265	4274	rBV7	6721	12804	0.03%	0.005%
100	15.067	4317	4321	4323	rBV3	4600	4417	0.01%	0.002%

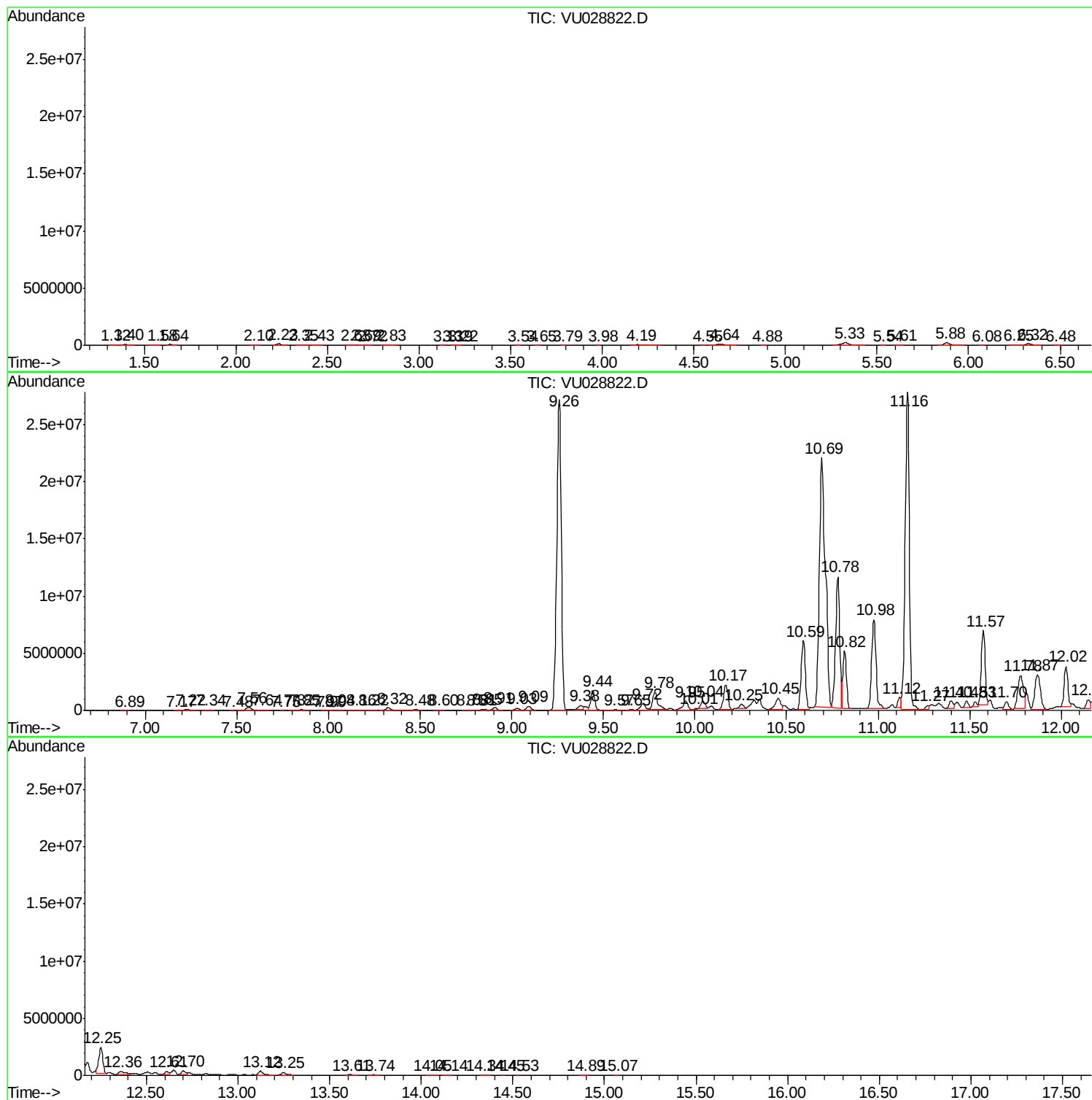
Sum of corrected areas: 246758995

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Instrument :
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BF024

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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



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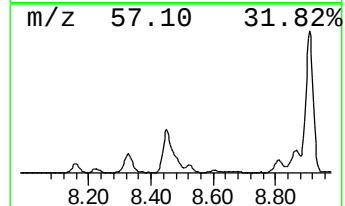
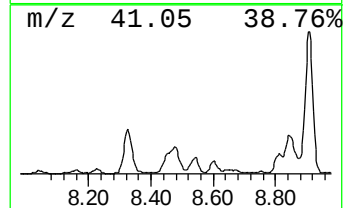
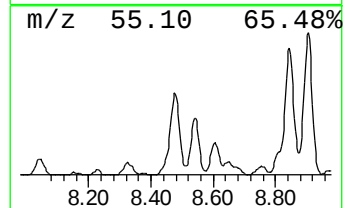
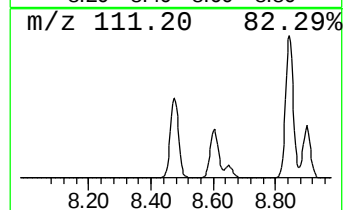
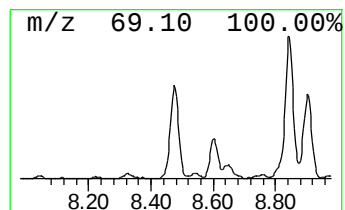
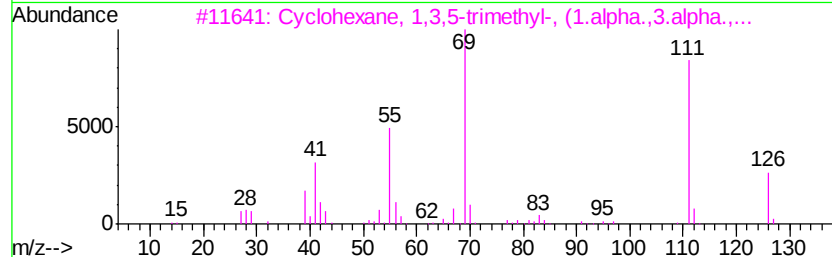
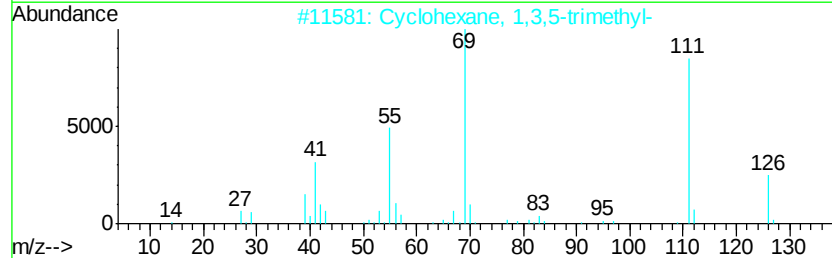
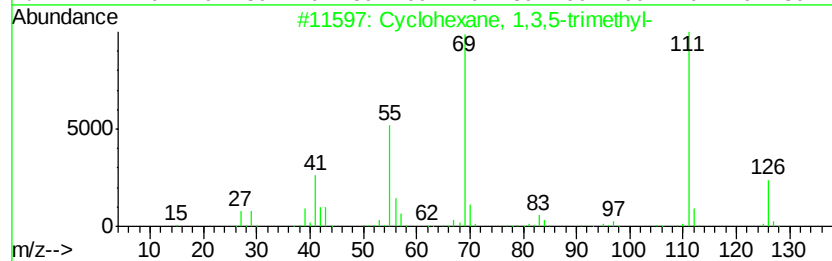
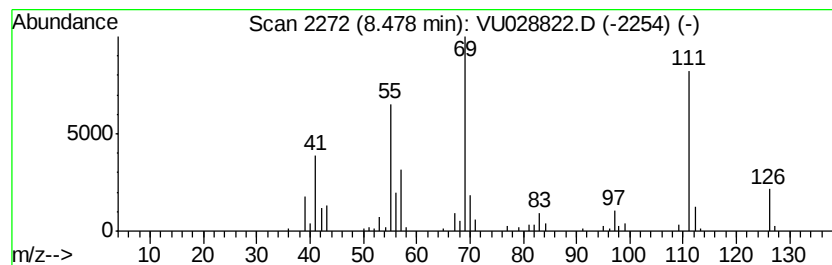
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Cyclic8.48 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	11.66 ug/L	139195	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
2		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
5		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87



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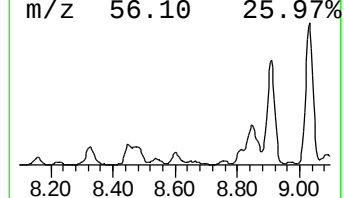
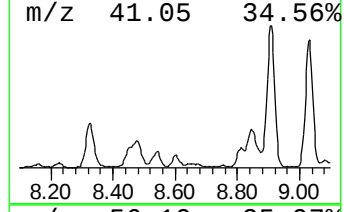
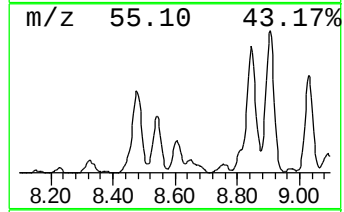
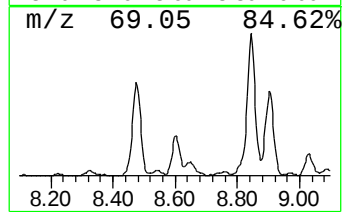
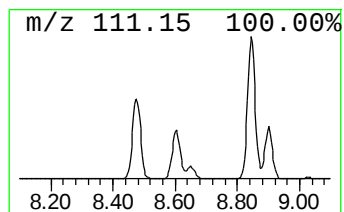
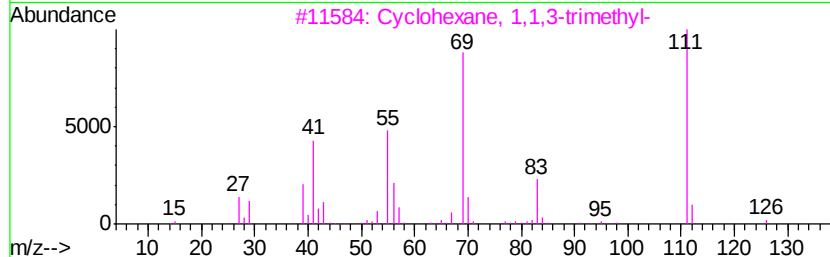
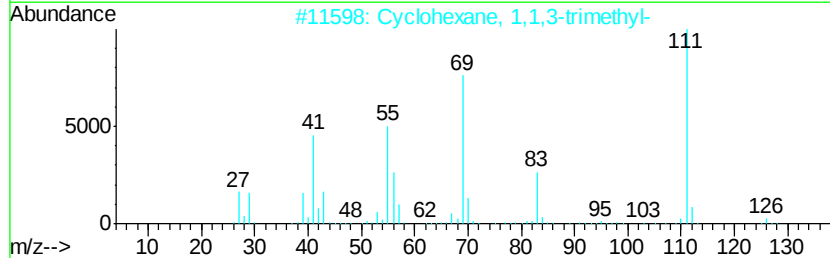
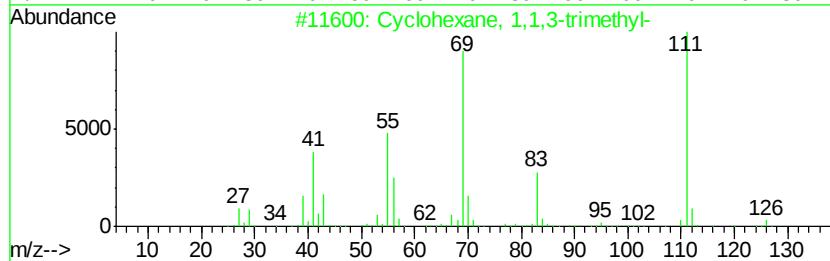
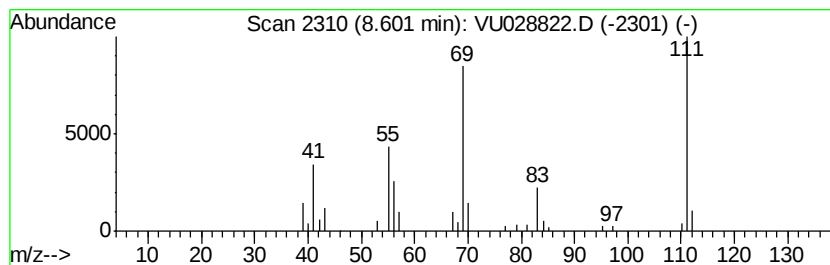
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic8.60 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	3.10 ug/L	37013	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5		6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	64



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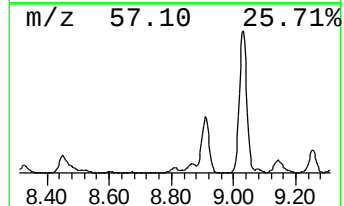
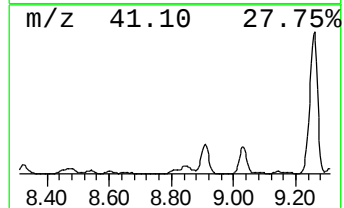
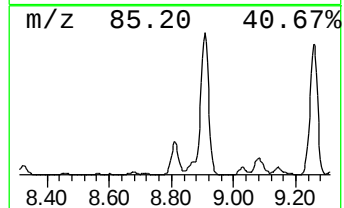
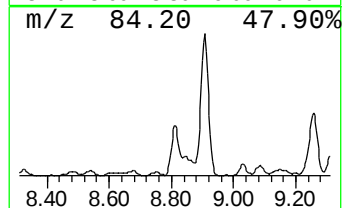
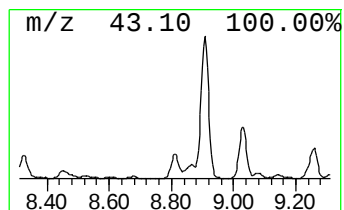
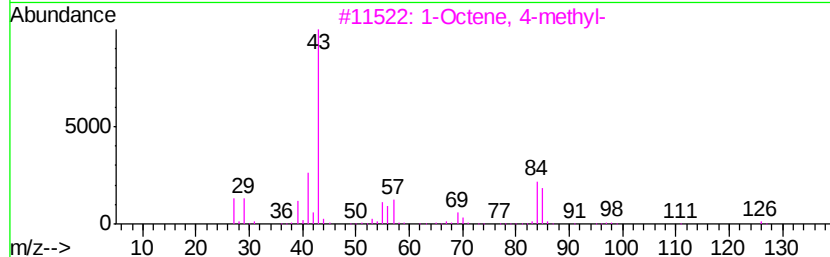
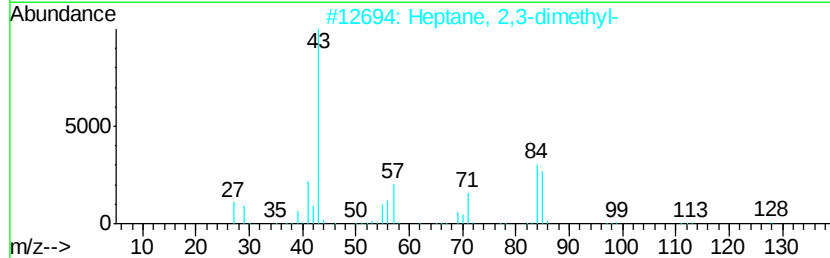
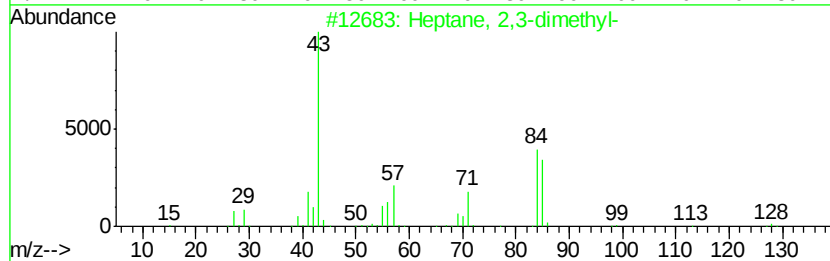
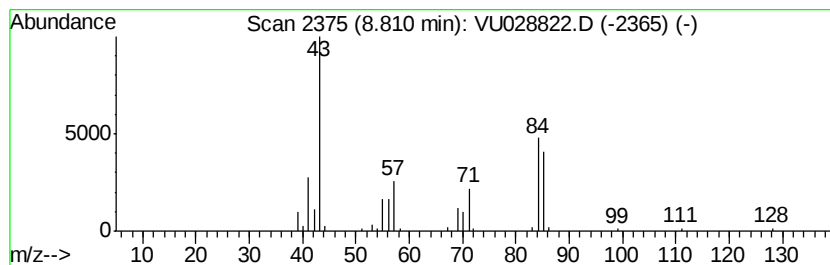
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	4.82 ug/L	57549	Chlorobenzene-d5	9.09

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	87
3			1-Octene, 4-methyl-	126	C9H18	013151-12-7	74
4			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68
5			Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

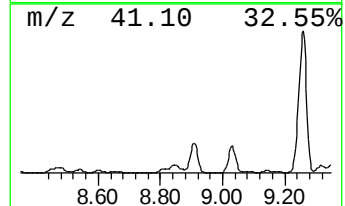
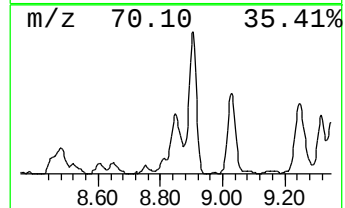
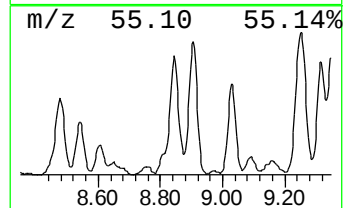
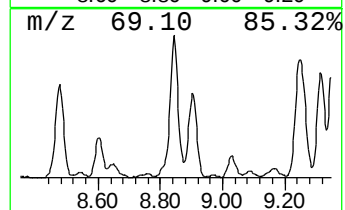
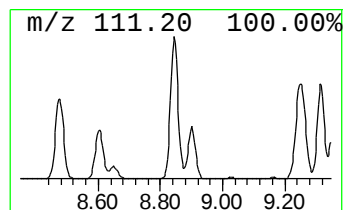
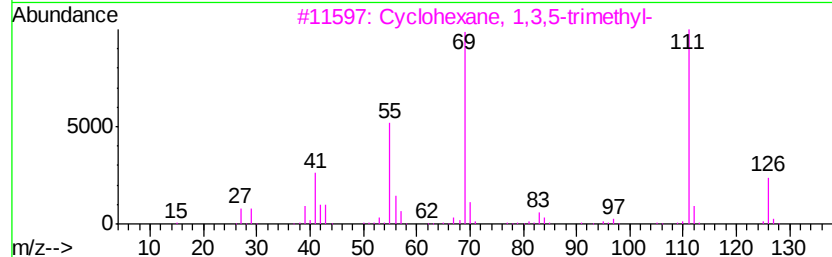
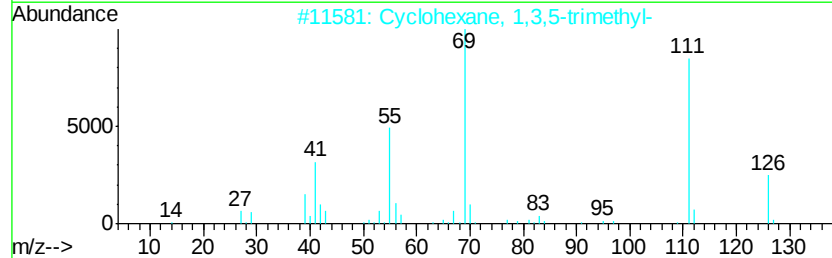
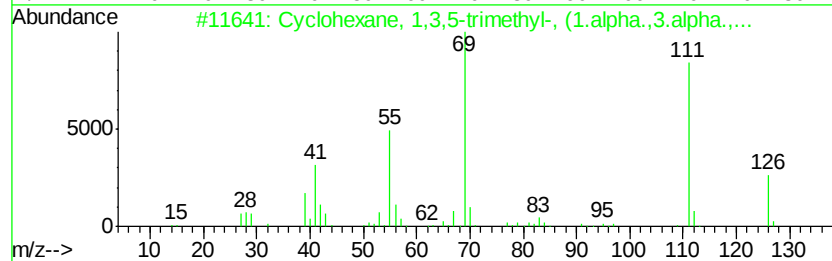
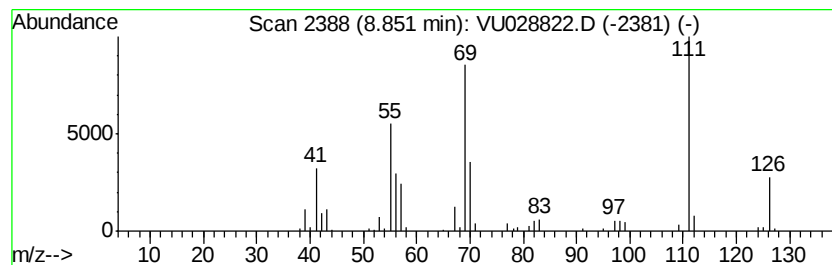
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic8.85 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	13.98 ug/L	166923	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	90
2		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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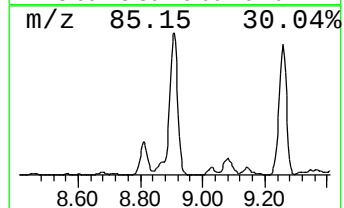
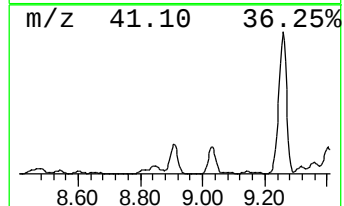
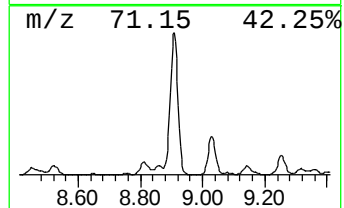
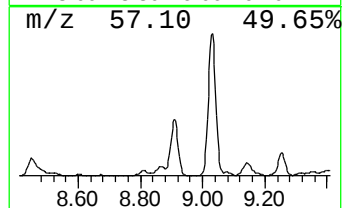
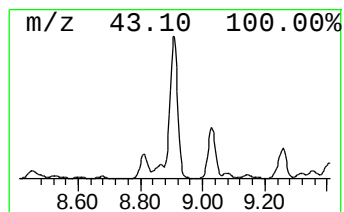
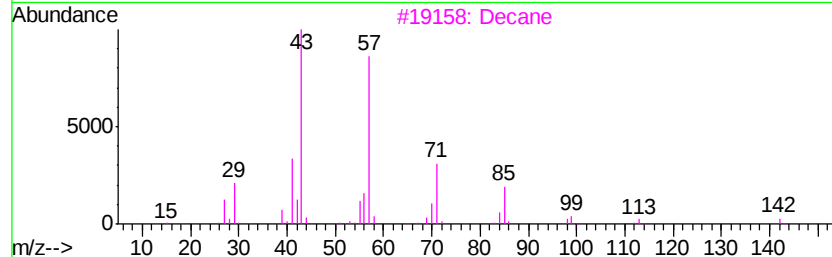
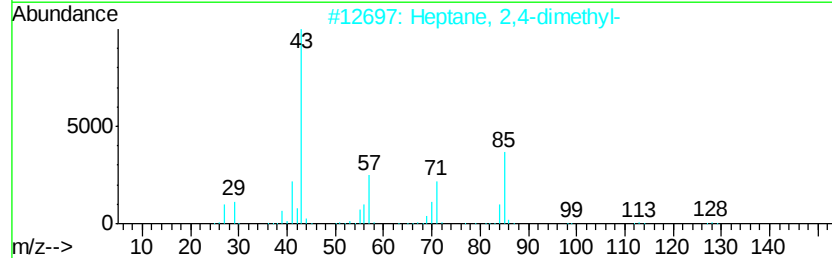
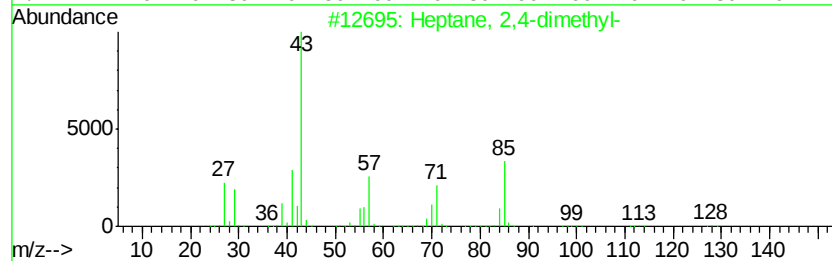
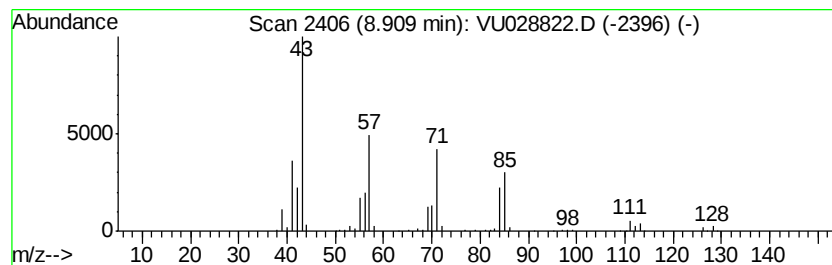
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	37.02 ug/L	441977	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3		Decane	142	C10H22	000124-18-5	59
4		Octane, 4-methyl-	128	C9H20	002216-34-4	53
5		Ether, hexyl pentyl	172	C11H24O	032357-83-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

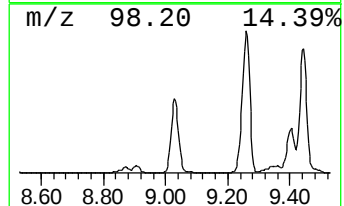
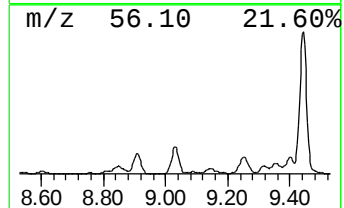
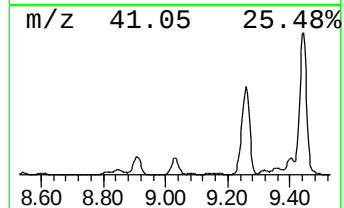
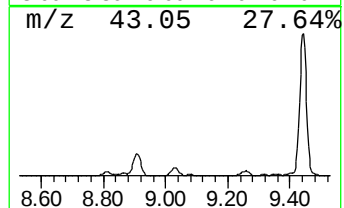
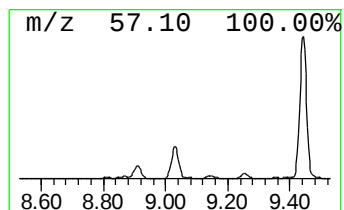
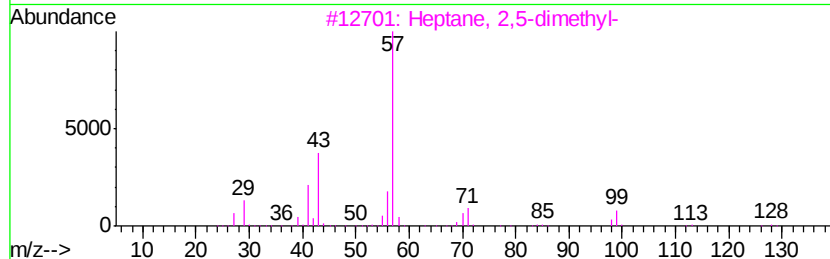
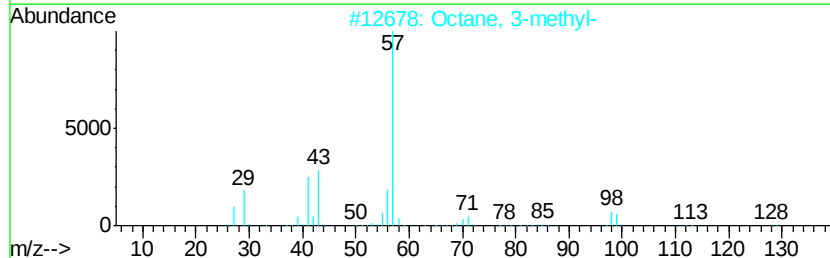
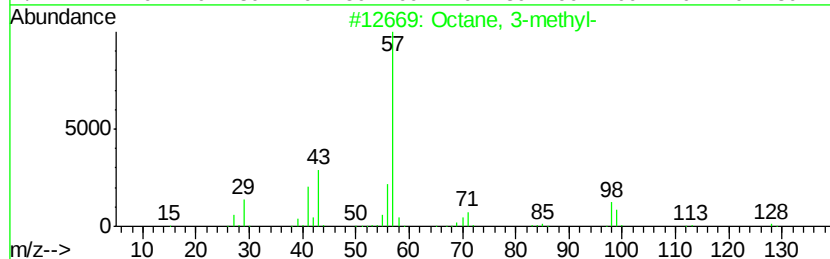
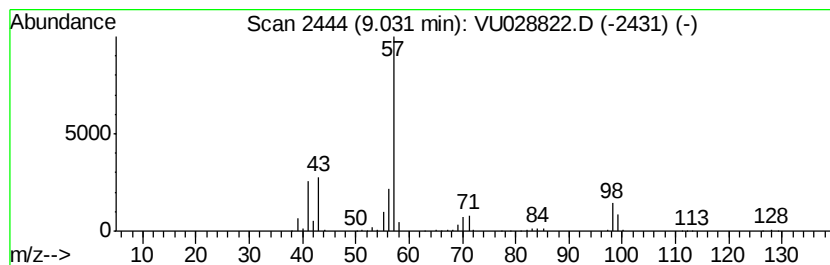
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	27.39 ug/L	327030	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	87
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
4		Octane, 3-methyl-	128	C9H20	002216-33-3	80
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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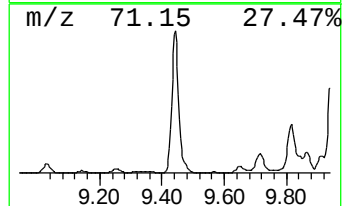
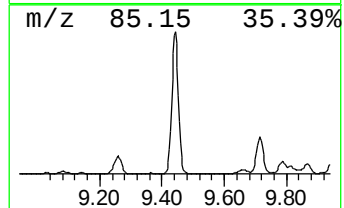
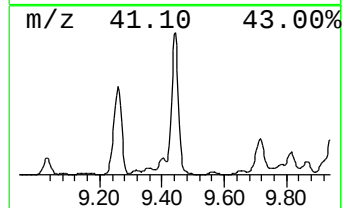
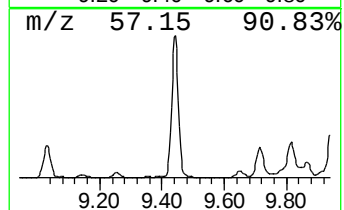
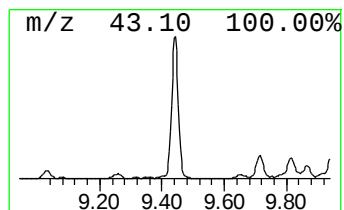
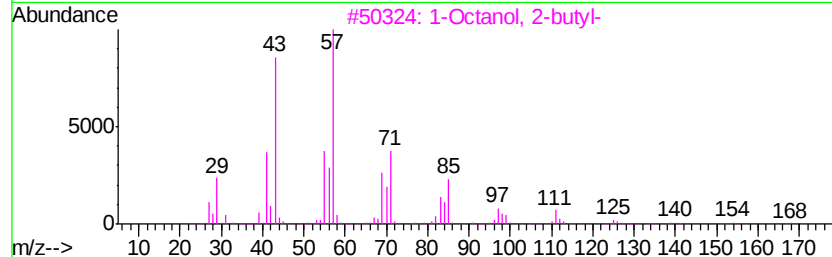
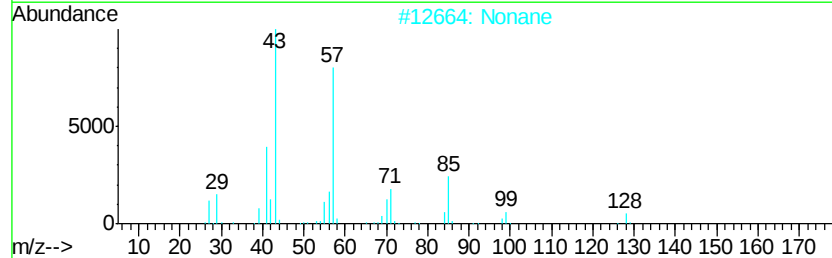
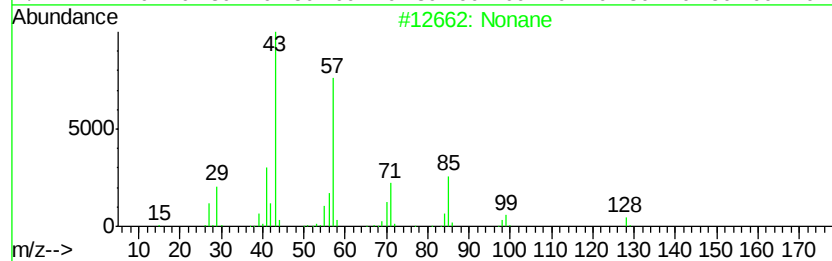
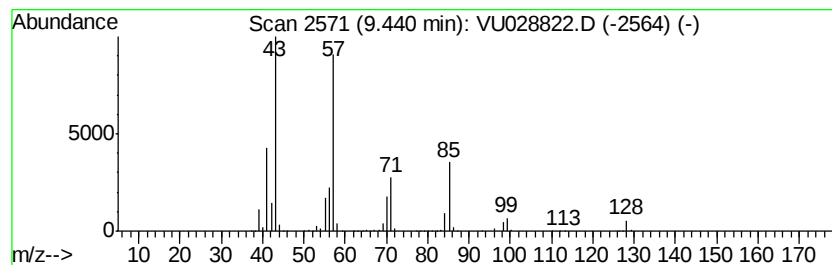
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	226.05 ug/L	2698920	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	97
2		Nonane	128	C9H20	000111-84-2	90
3		1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
4		Octane	114	C8H18	000111-65-9	72
5		Nonane	128	C9H20	000111-84-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

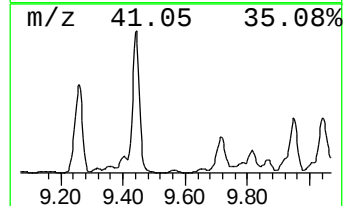
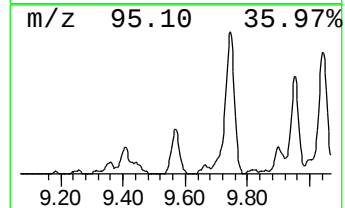
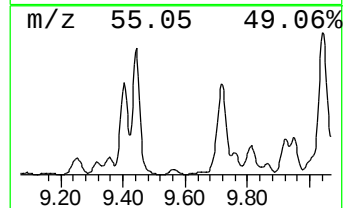
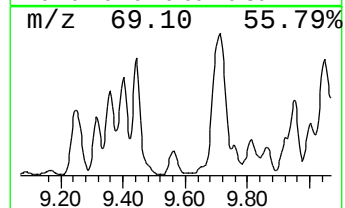
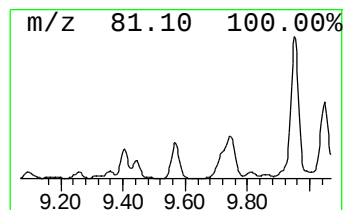
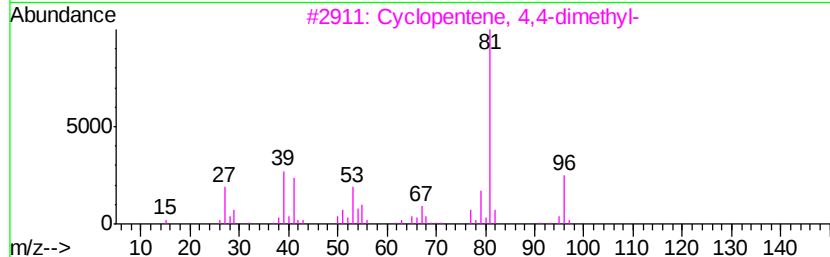
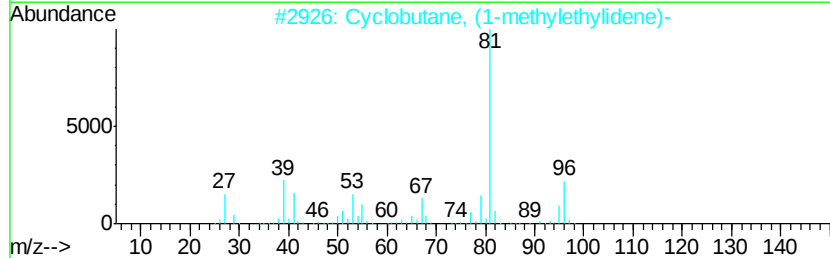
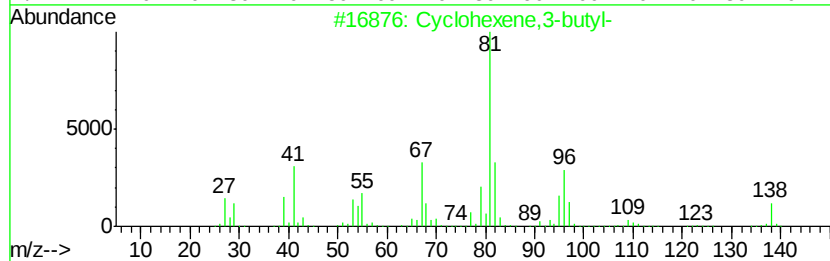
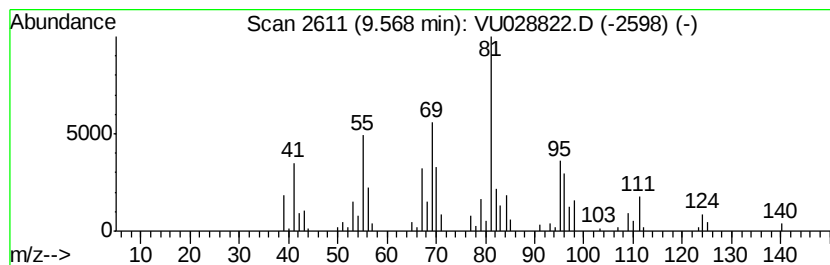
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 9 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.57	8.39 ug/L	100220	Chlorobenzene-d5	9.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexene, 3-butyl-	138	C10H18	003983-07-1	47
2		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	43
3		Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	38
4		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	38
5		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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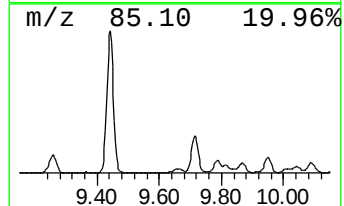
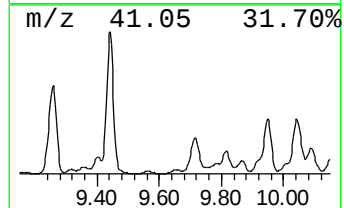
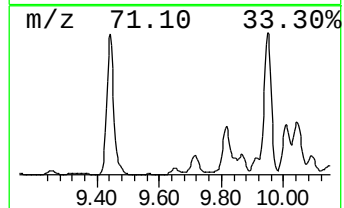
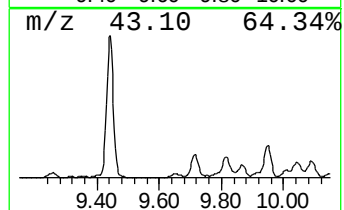
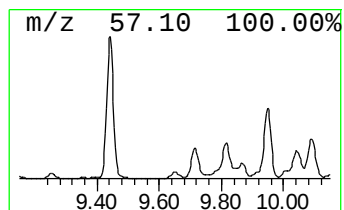
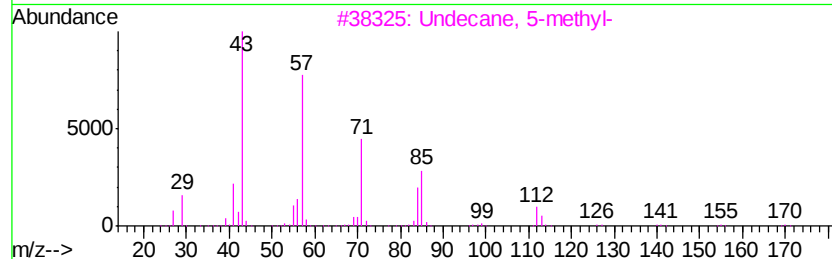
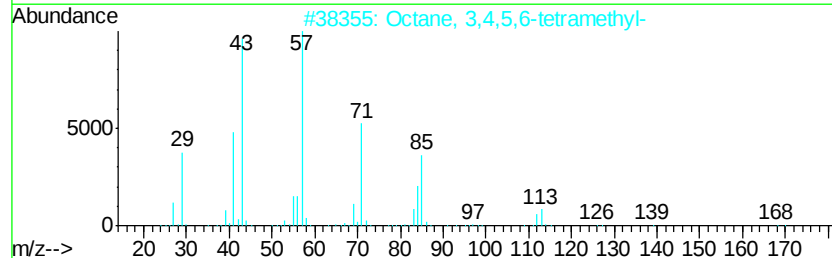
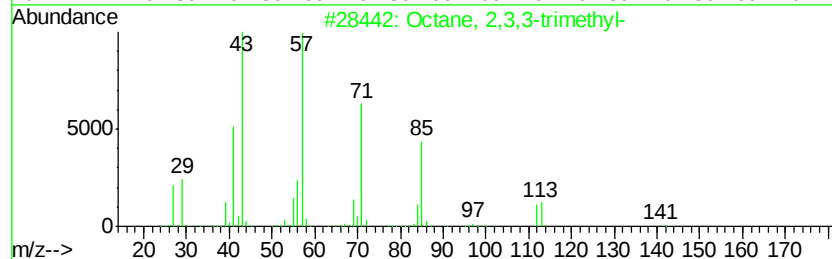
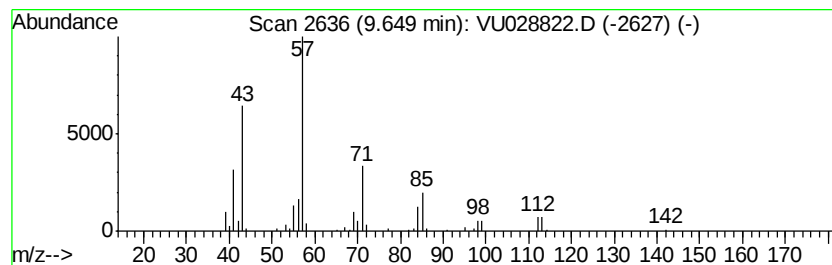
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	8.32 ug/L	99343	Chlorobenzene-d5	9.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64
2			Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	64
3			Undecane, 5-methyl-	170	C12H26	001632-70-8	59
4			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	53
5			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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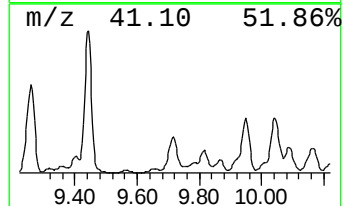
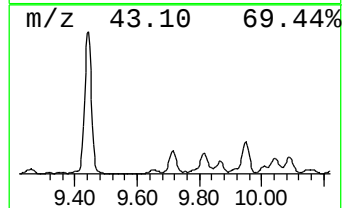
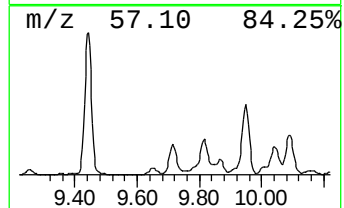
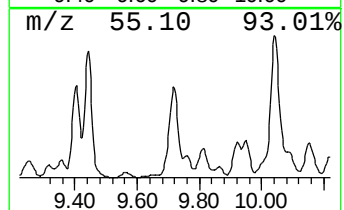
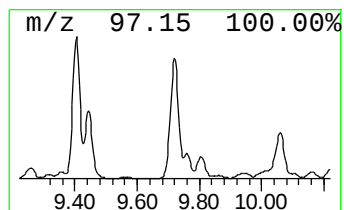
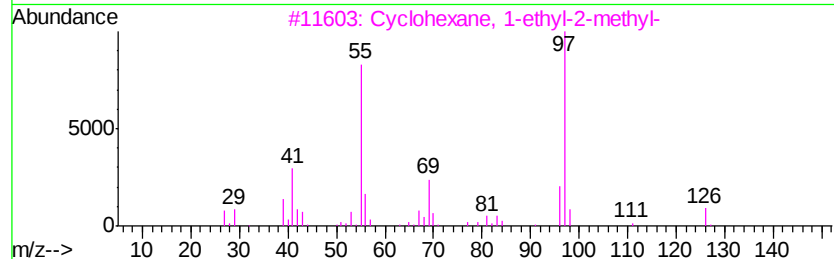
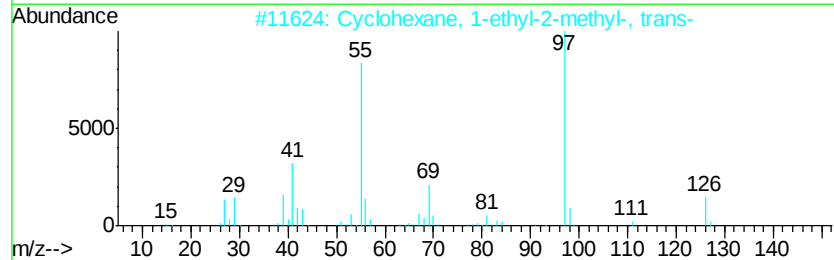
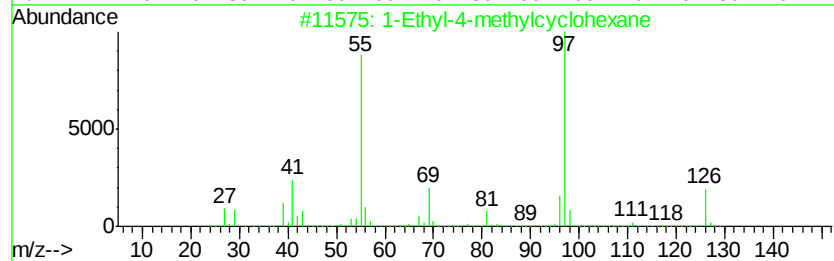
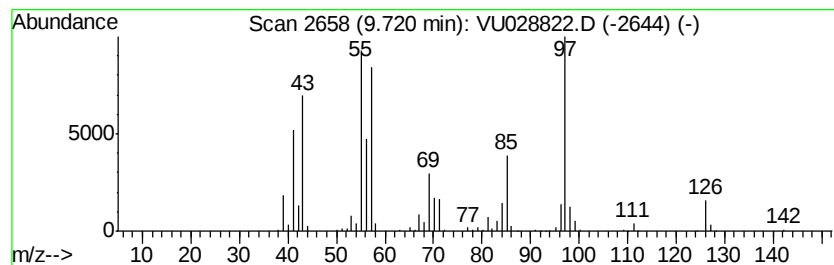
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic9.72 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	87.03 ug/L	1039020	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	45
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	43
3		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	43
4		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	43
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

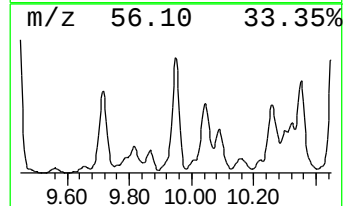
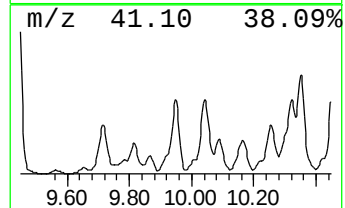
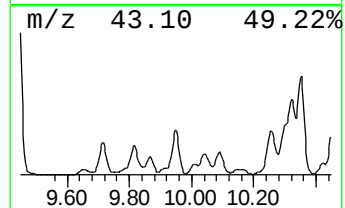
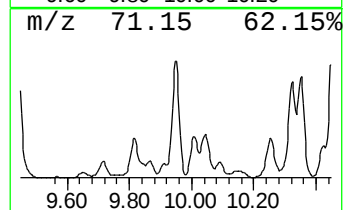
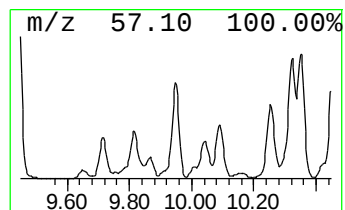
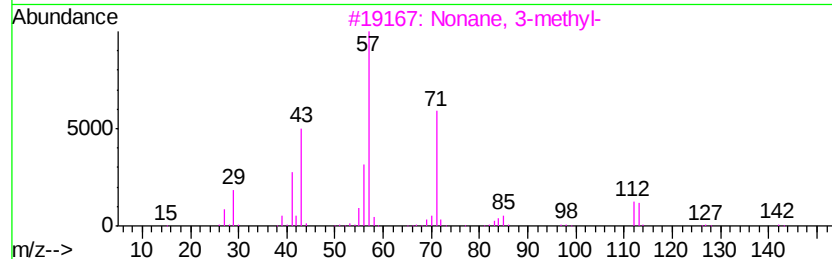
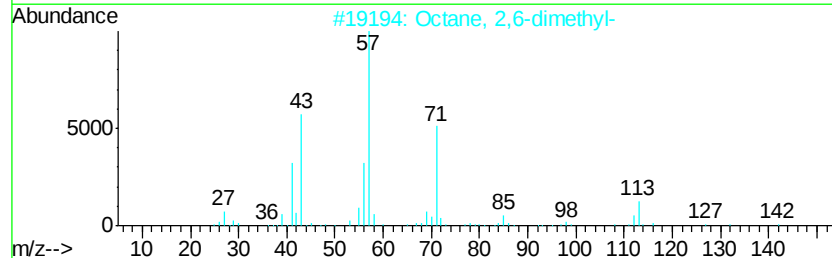
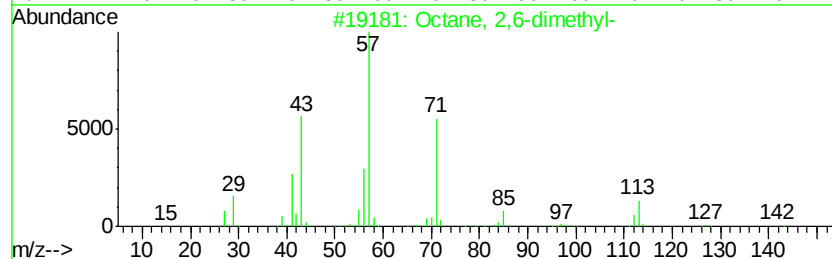
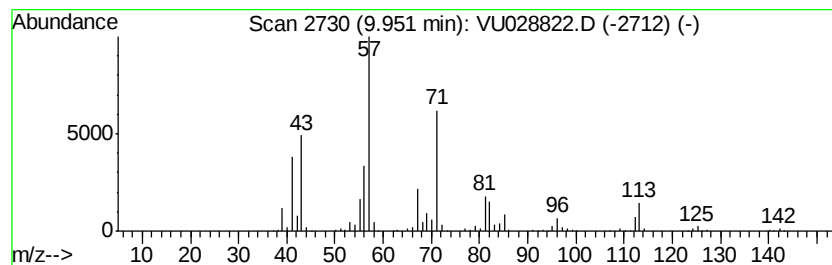
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	122.20 ug/L	1458980	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	93
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	76
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	76
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

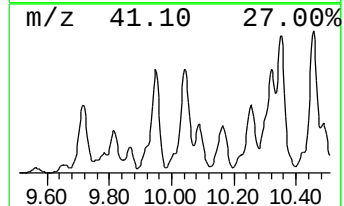
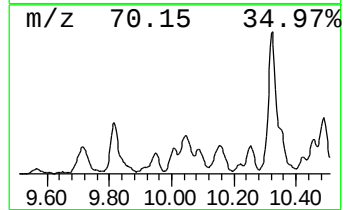
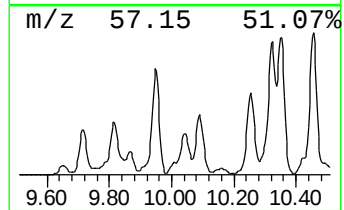
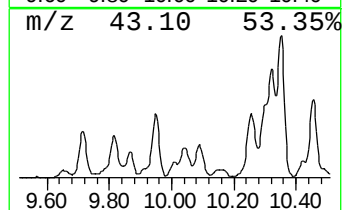
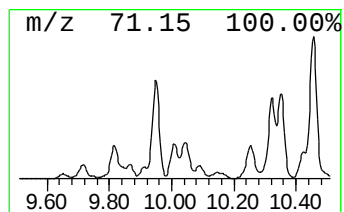
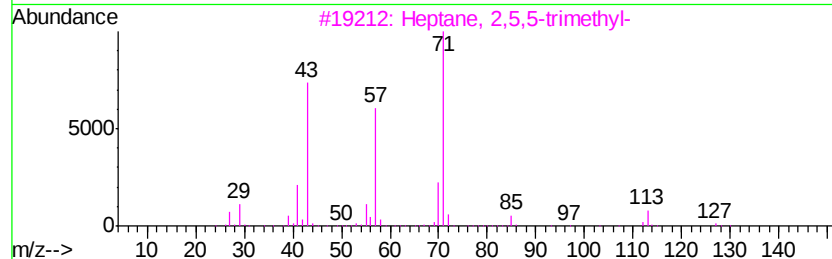
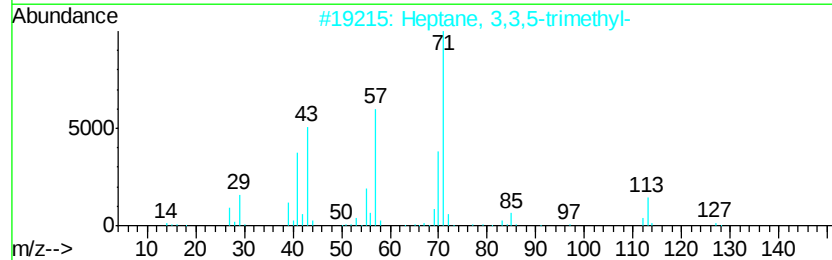
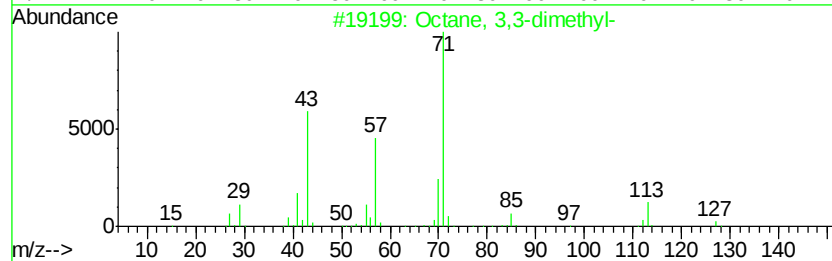
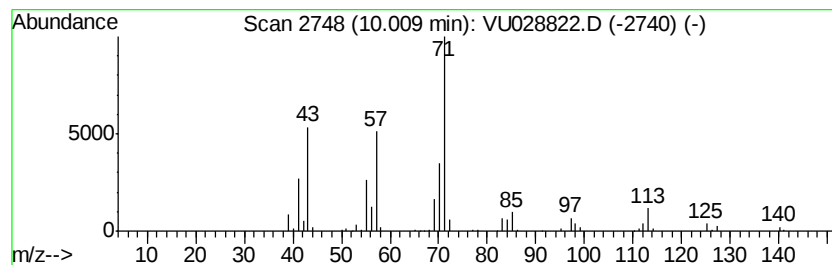
Instrument :
MSVOA_U
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.01	13.11 ug/L	156559	Chlorobenzene-d5	9.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	80
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	80
3	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	72
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5	Hexane, 3,3,4,4-tetramethyl-	142	C10H22	005171-84-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSV0A_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSV0A_U
ClientSampleId :
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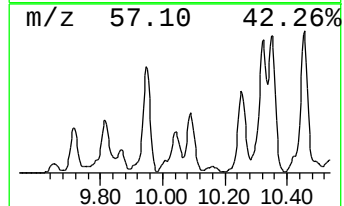
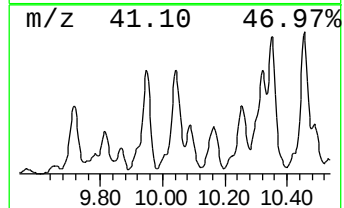
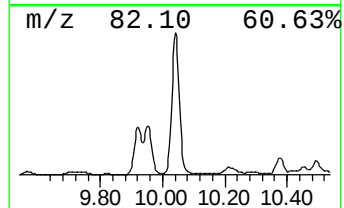
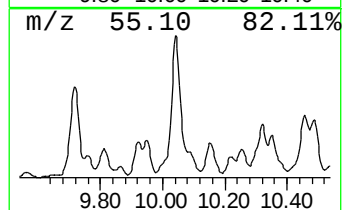
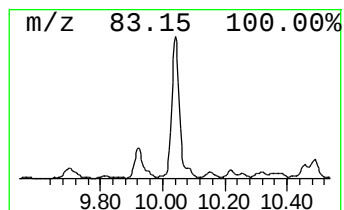
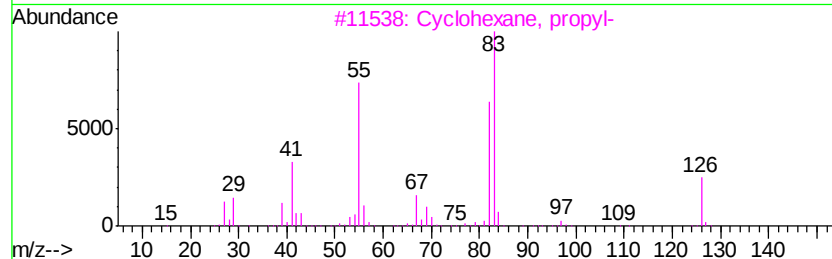
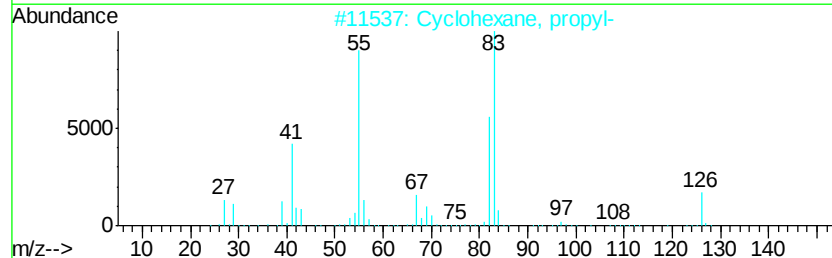
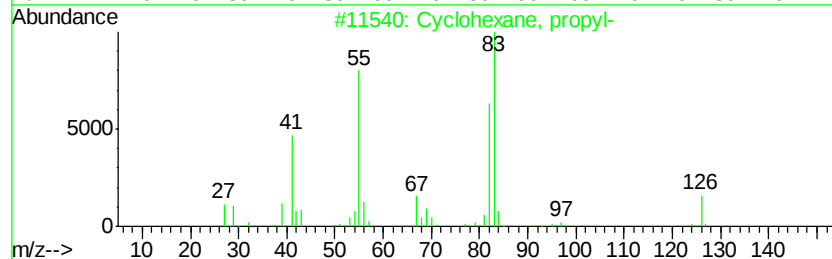
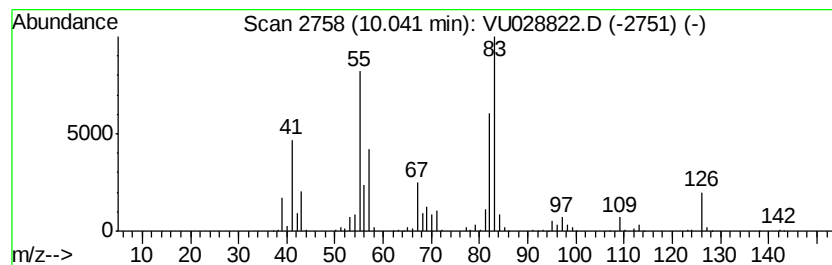
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic10.04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	85.92 ug/L	1025870	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

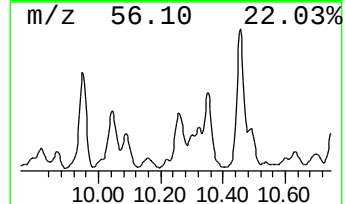
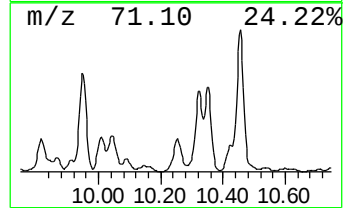
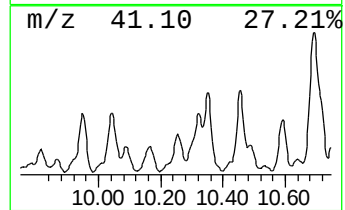
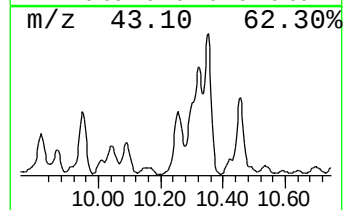
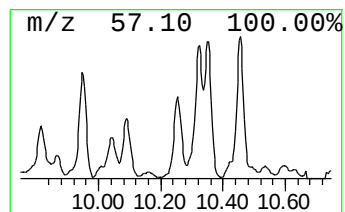
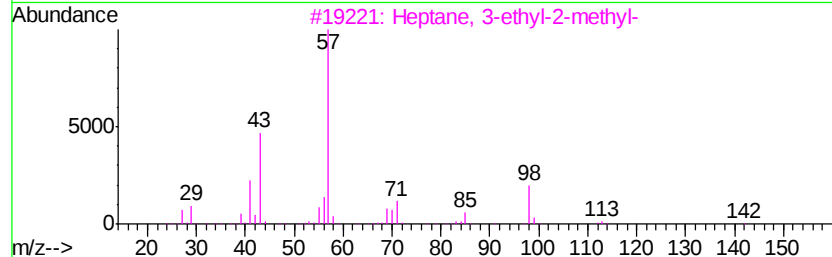
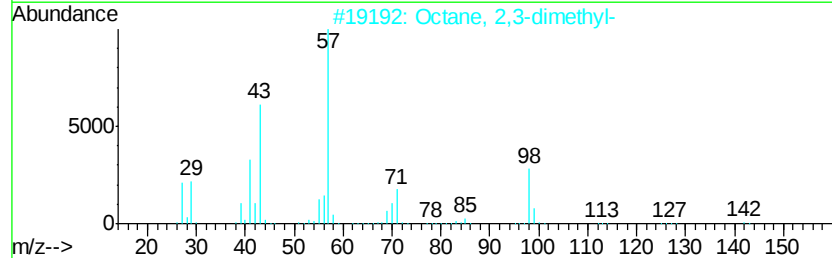
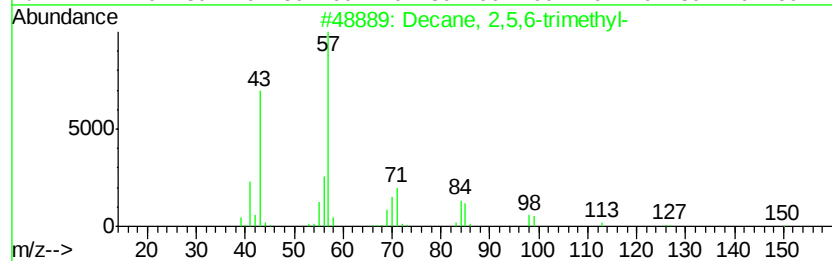
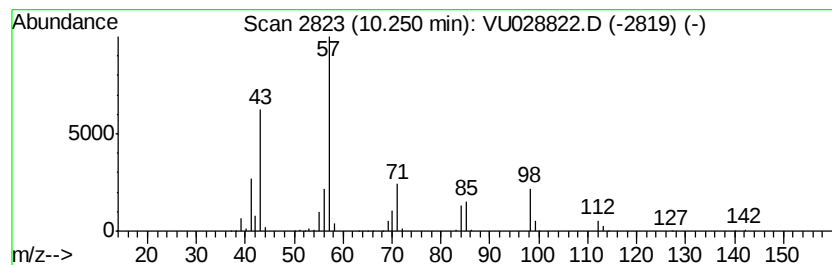
Instrument :
MSVOA_U
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.25	38.03 ug/L	454016	Chlorobenzene-d5	9.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-		184	C13H28	062108-23-0	64
2	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	53
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	50
4	Octane, 3-methyl-		128	C9H20	002216-33-3	47
5	Heptane, 4-(1-methylethyl)-		142	C10H22	052896-87-4	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

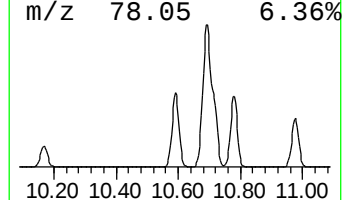
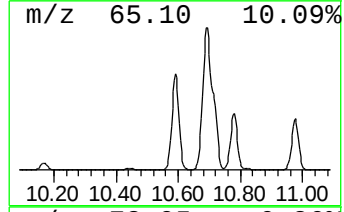
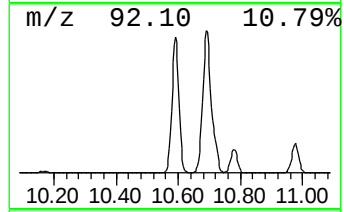
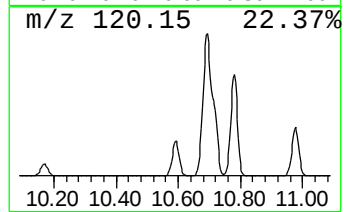
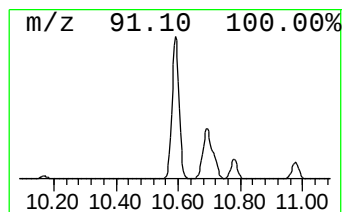
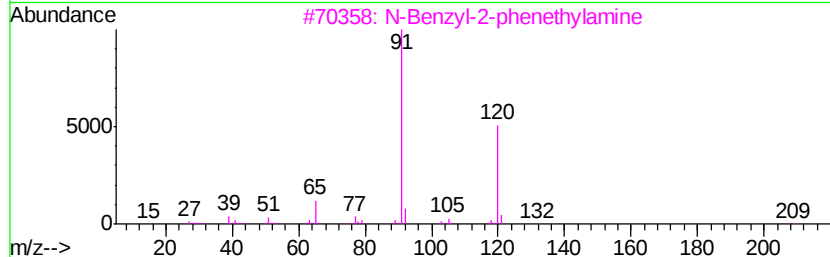
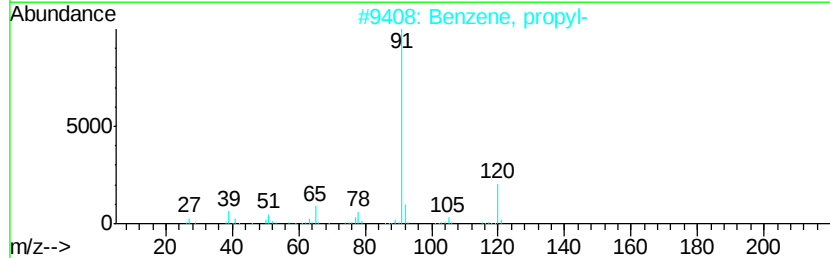
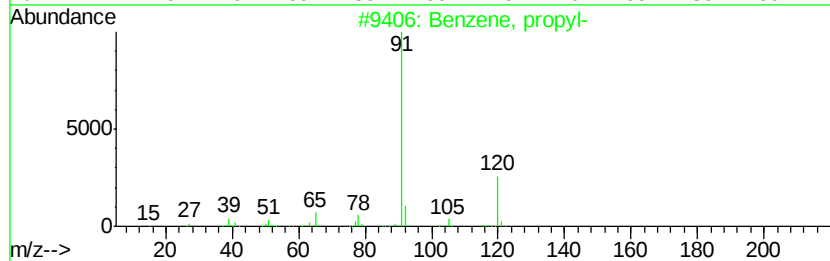
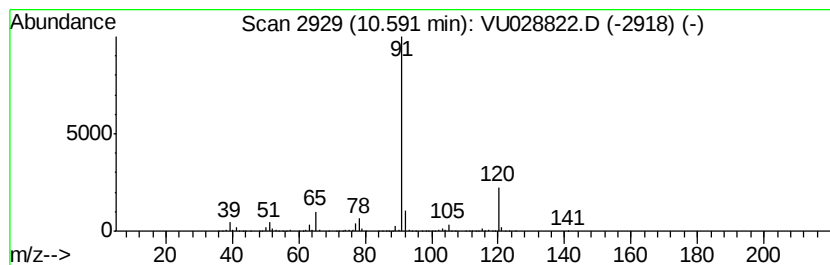
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

Peak Number 16 Benzene, propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	639.75 ug/L	9538010	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, propyl-	120 C9H12	000103-65-1 91
2		Benzene, propyl-	120 C9H12	000103-65-1 91
3		N-Benzyl-2-phenethylamine	211 C15H17N	003647-71-0 78
4		1,2-Ethanediamine, N,N'-bis(phen...	240 C16H20N2	000140-28-3 64
5		Propanenitrile, 3-[(phenylmethyl...	160 C10H12N2	000706-03-6 56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

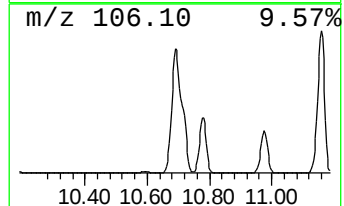
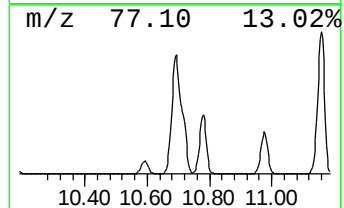
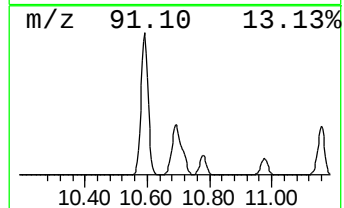
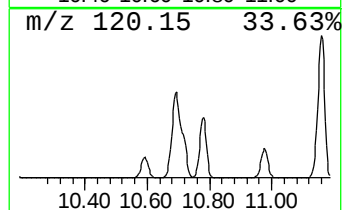
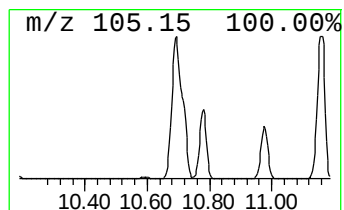
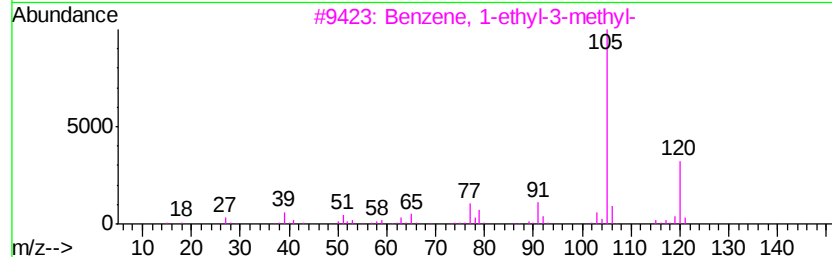
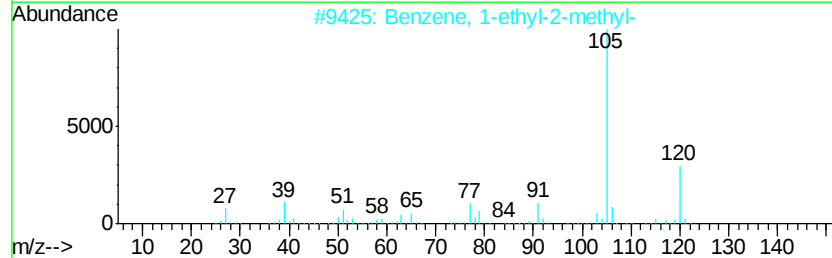
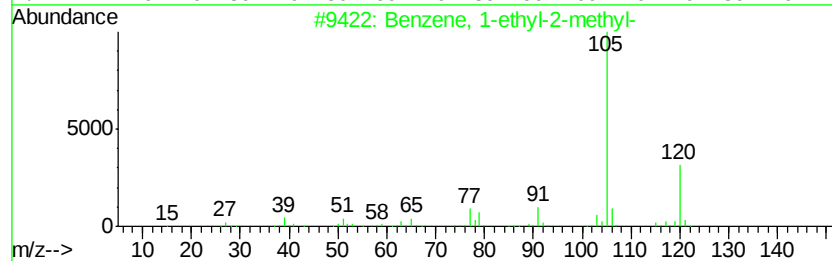
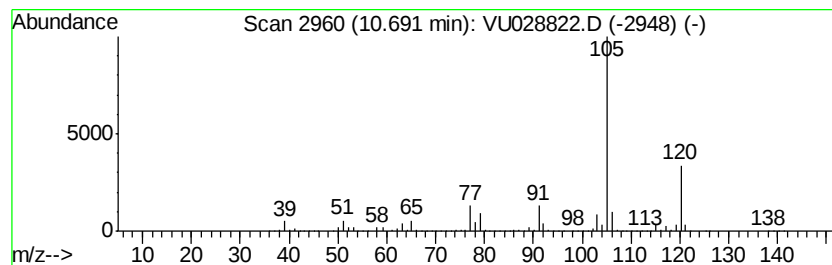
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	3335.85 ug/L	49734300	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 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-3-methyl-	120 C9H12	000620-14-4 94
5		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

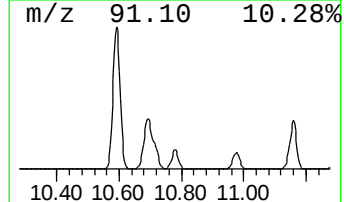
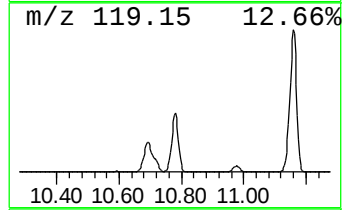
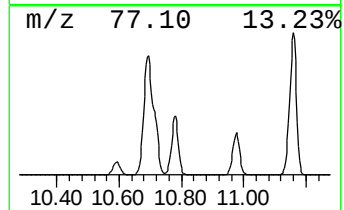
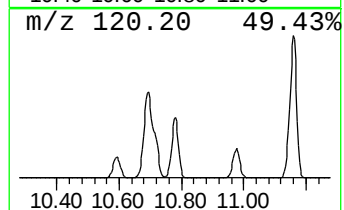
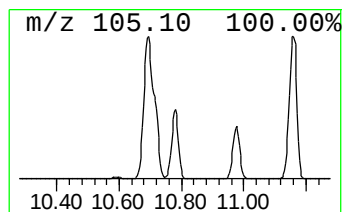
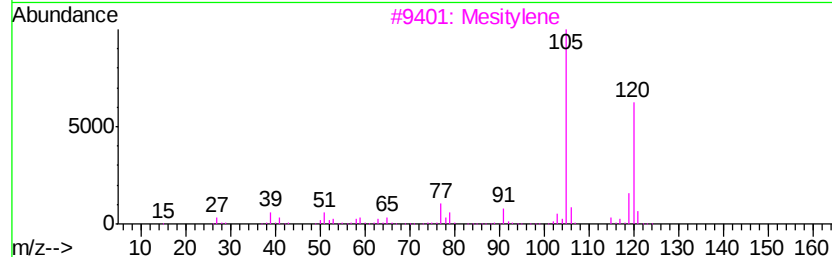
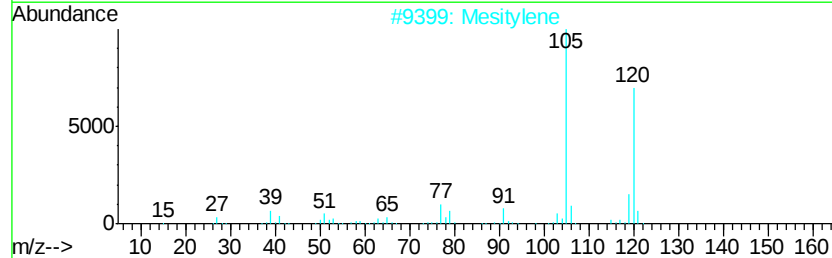
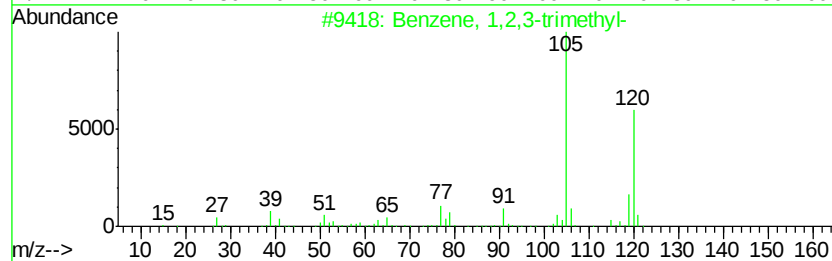
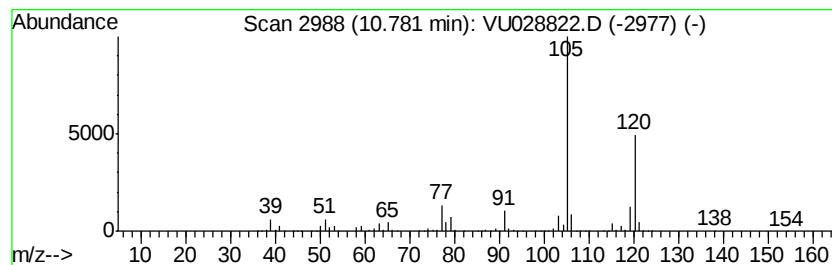
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	1209.73 ug/L	18035900	1,4-Dichlorobenzene-d4	11.48

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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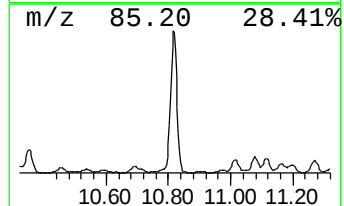
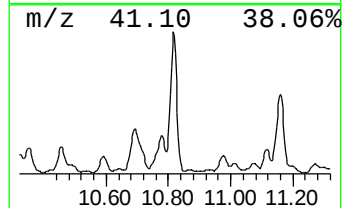
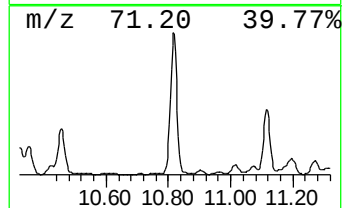
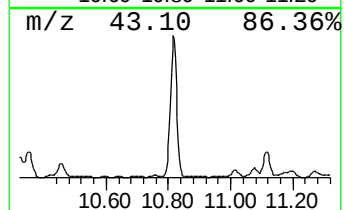
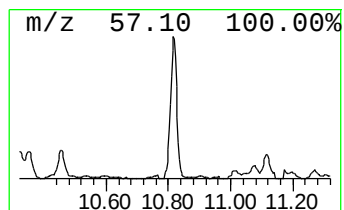
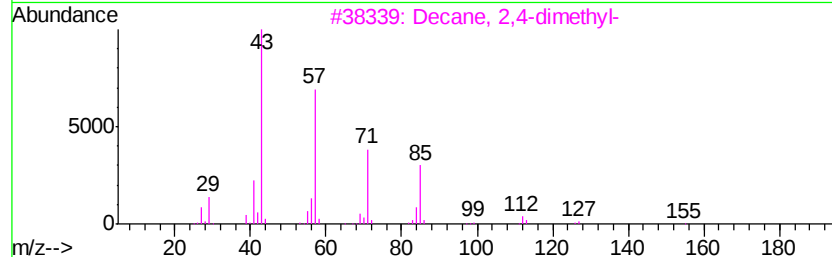
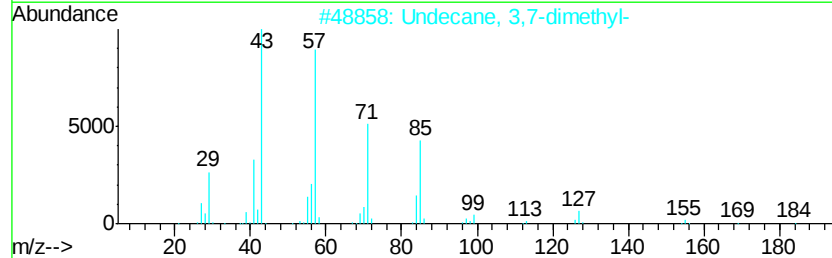
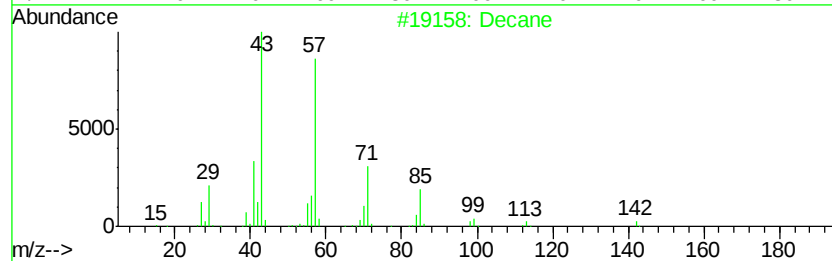
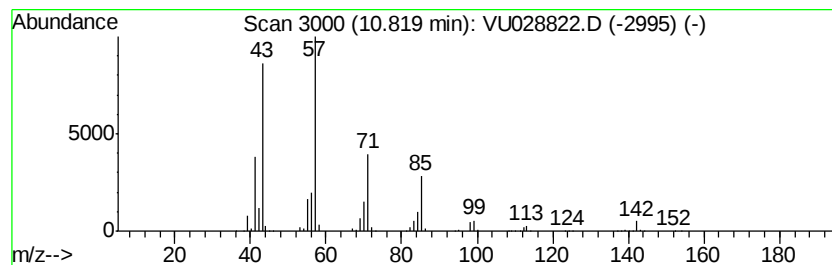
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	433.41 ug/L	6461790	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	90
2		Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	72
3		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	72
4		Nonane	128	C9H20	000111-84-2	72
5		Tridecane	184	C13H28	000629-50-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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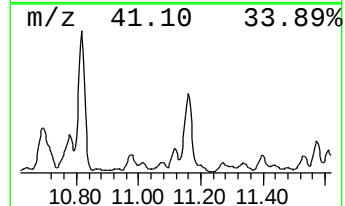
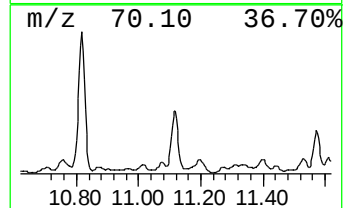
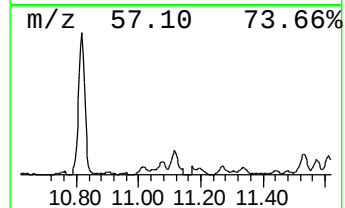
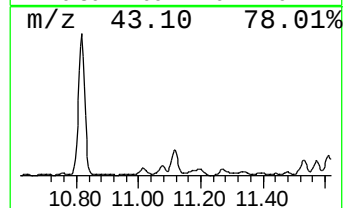
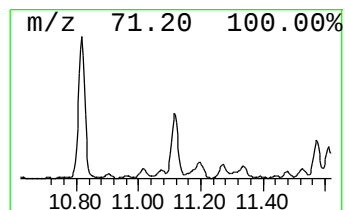
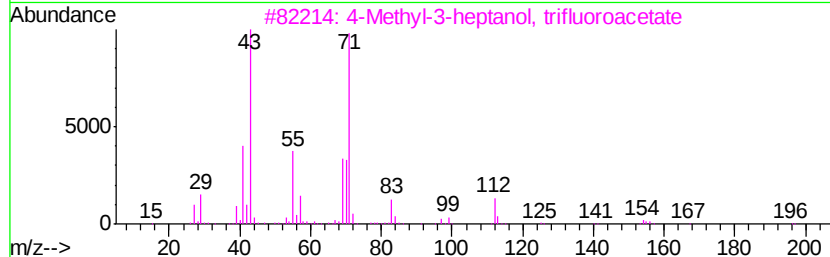
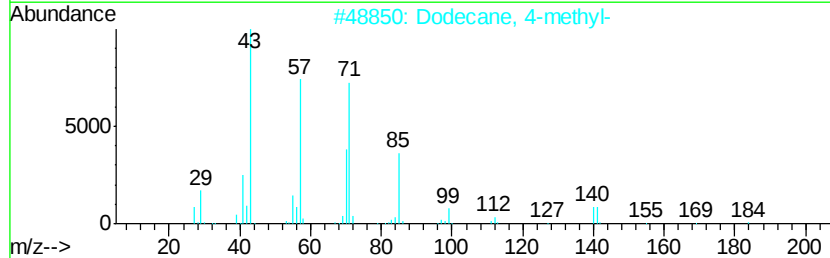
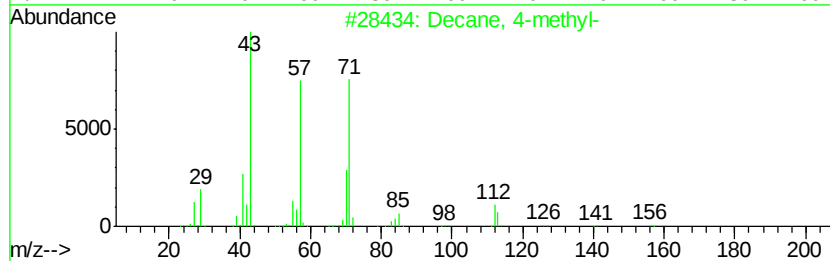
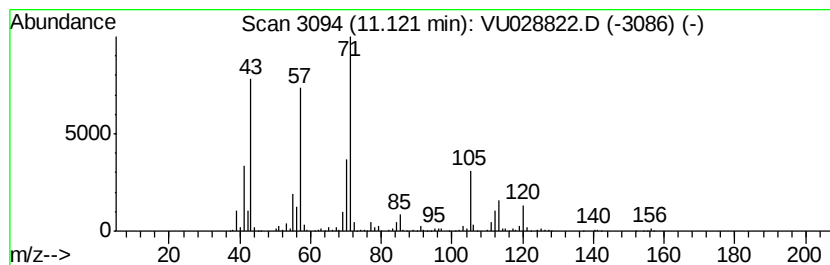
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	71.34 ug/L	1063540	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	74
2			Dodecane, 4-methyl-	184	C13H28	006117-97-1	59
3			4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	59
4			Sulfurous acid, octyl 2-propyl e...	236	C11H24O3S	1000309-11-9	59
5			Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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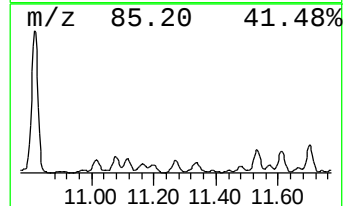
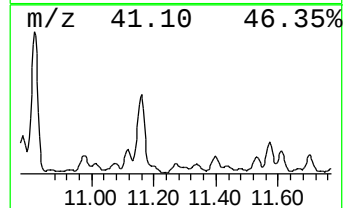
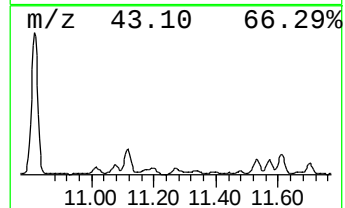
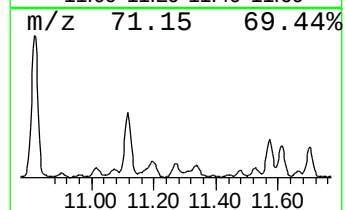
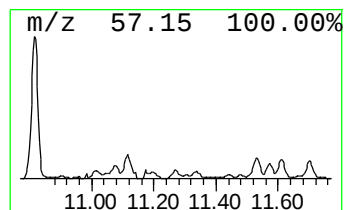
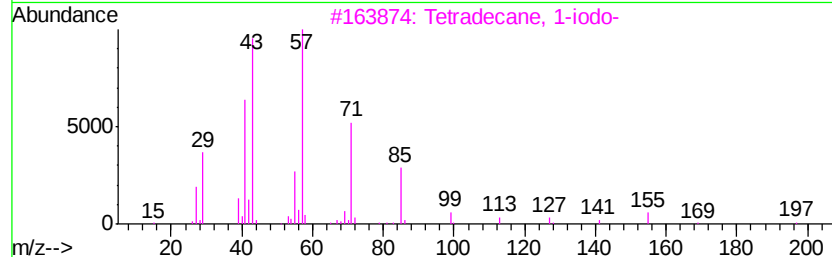
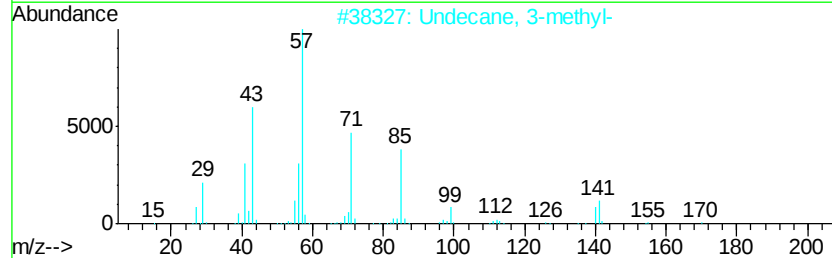
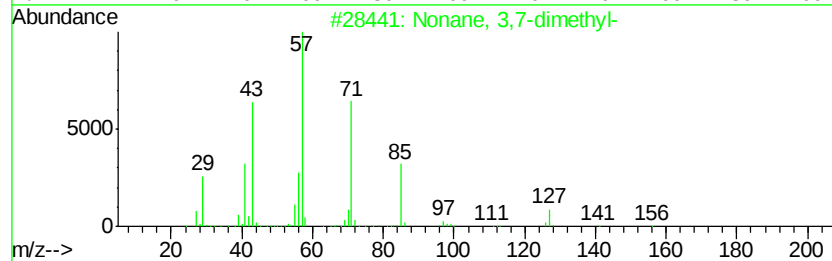
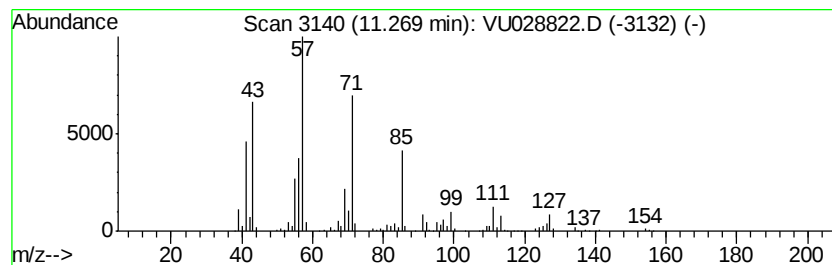
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	32.95 ug/L	491242	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	81
2		Undecane, 3-methyl-	170	C12H26	001002-43-3	59
3		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	53
4		Decane, 1-iodo-	268	C10H21I	002050-77-3	50
5		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

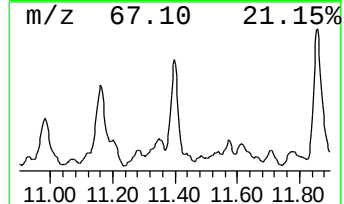
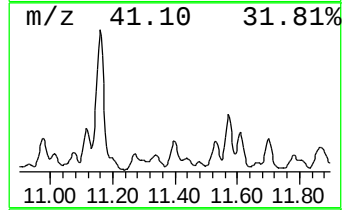
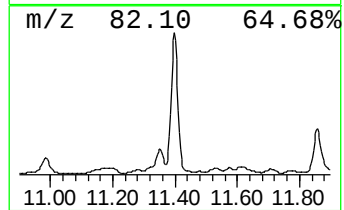
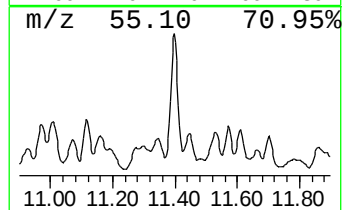
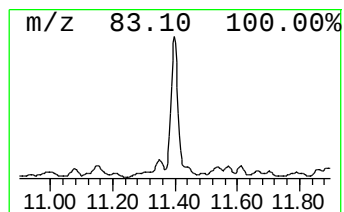
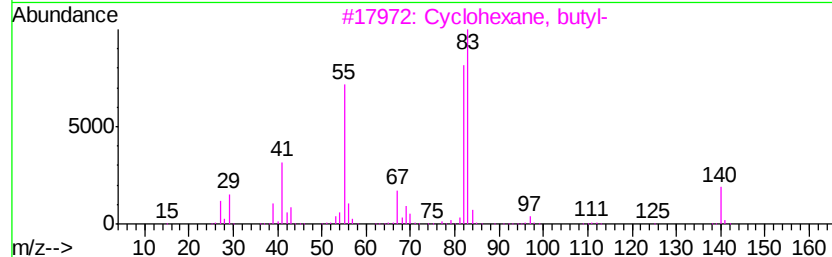
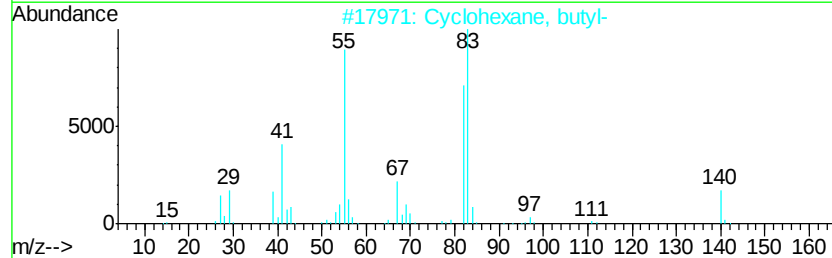
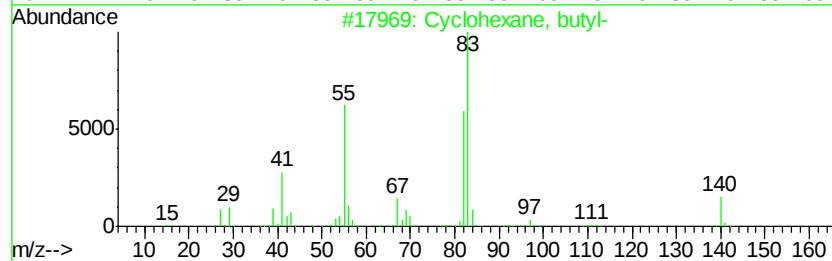
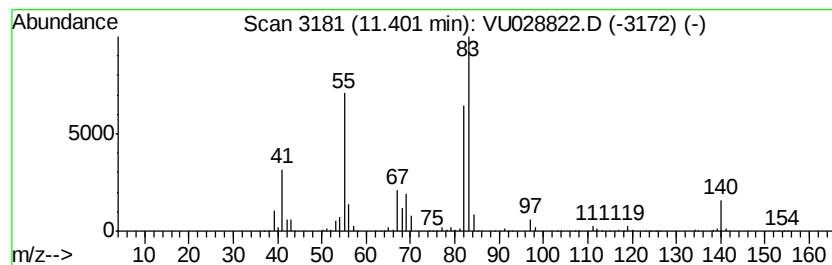
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic11.40 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	63.84 ug/L	951727	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, butyl-	140 C10H20	001678-93-9 93
2		Cyclohexane, butyl-	140 C10H20	001678-93-9 90
3		Cyclohexane, butyl-	140 C10H20	001678-93-9 87
4		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 80
5		Cyclohexane, octyl-	196 C14H28	001795-15-9 78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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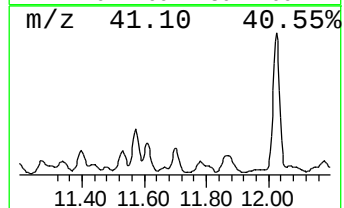
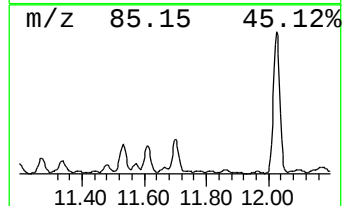
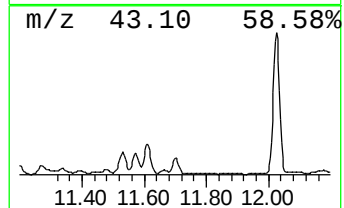
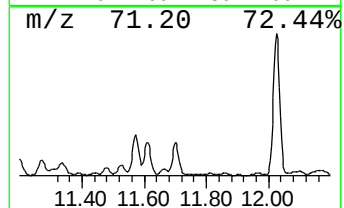
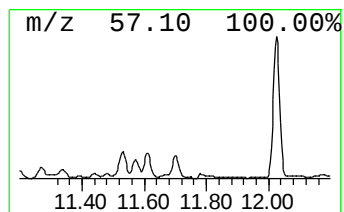
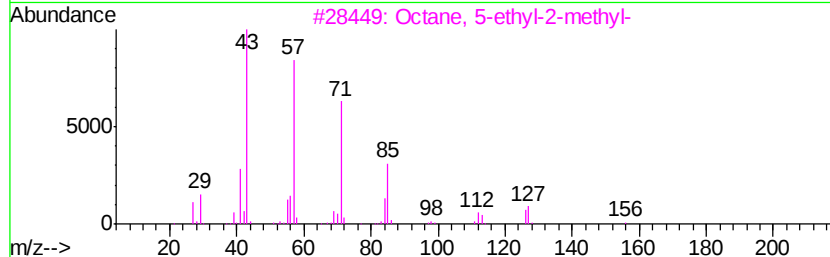
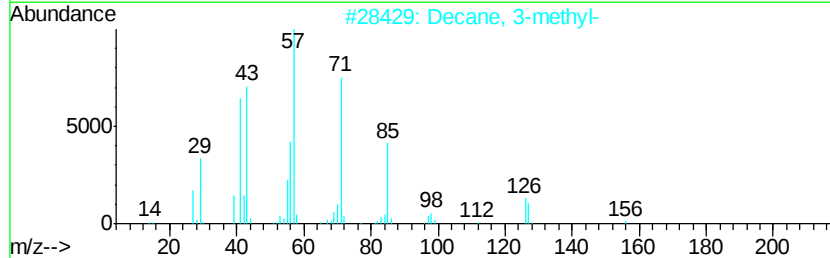
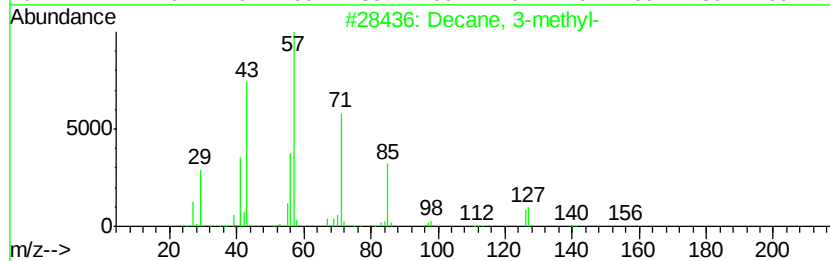
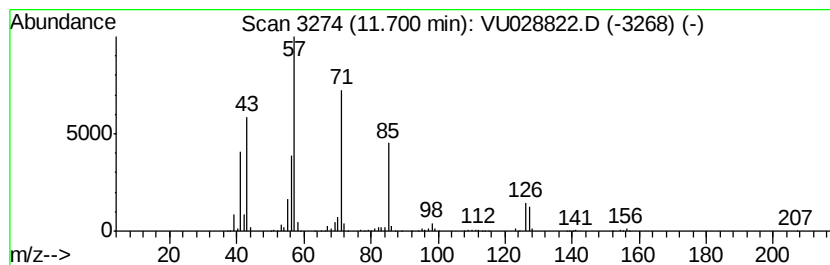
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	63.13 ug/L	941200	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	91
2			Decane, 3-methyl-	156	C11H24	013151-34-3	90
3			Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	59
4			Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
5			Undecane, 3-methyl-	170	C12H26	001002-43-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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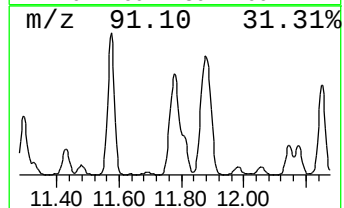
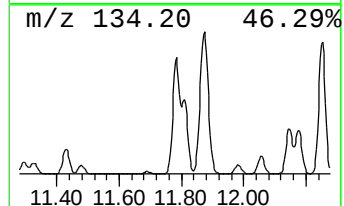
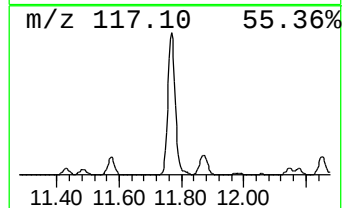
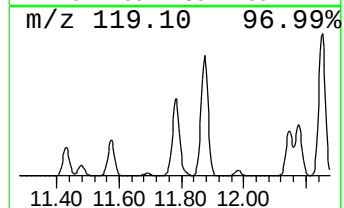
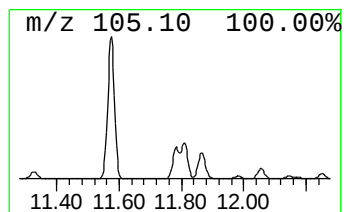
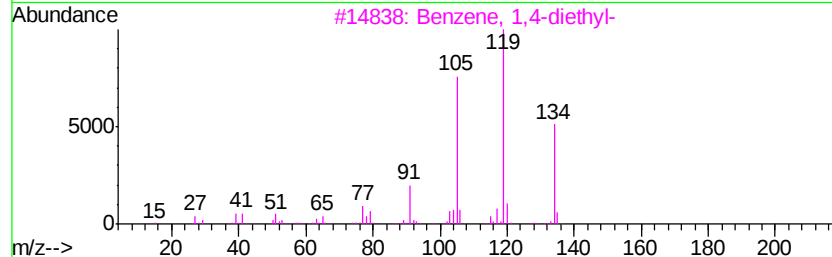
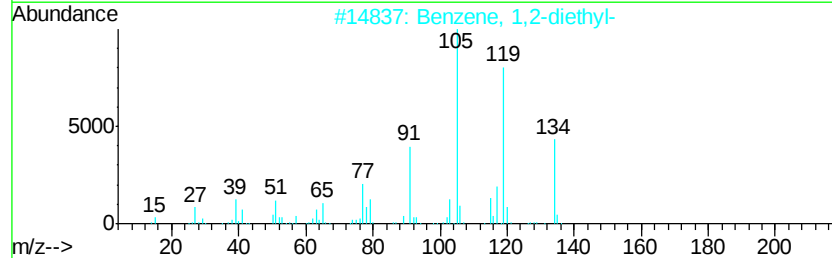
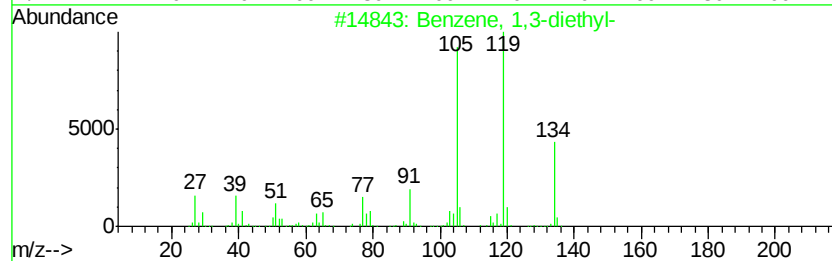
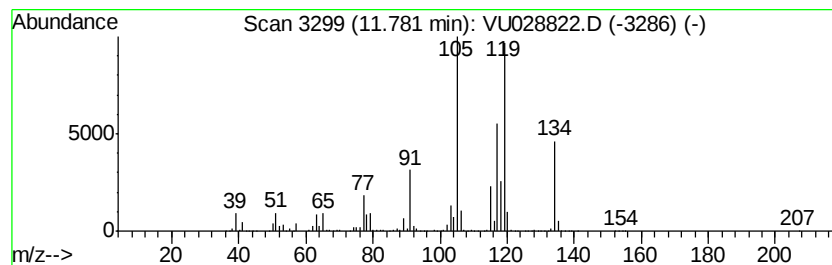
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1,3-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	403.30 ug/L	6012820	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	78
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
5		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

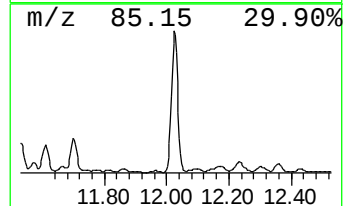
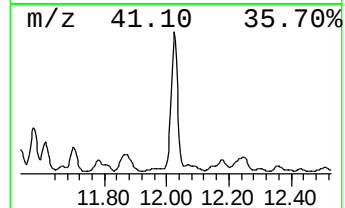
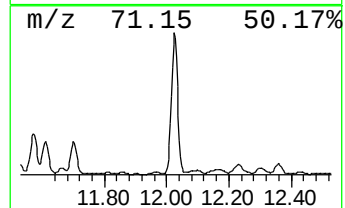
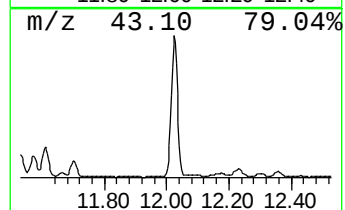
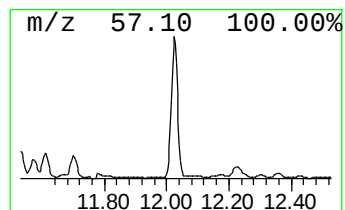
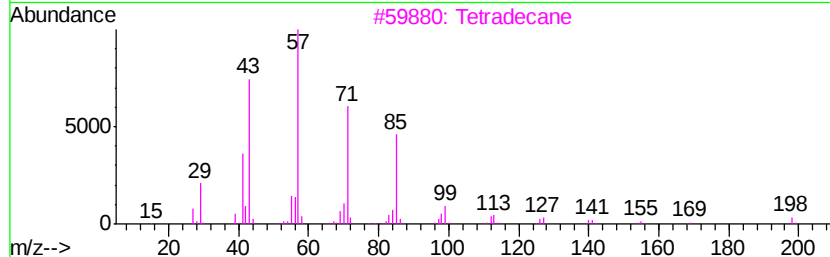
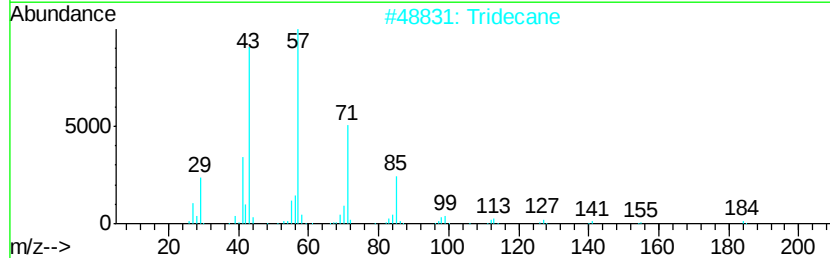
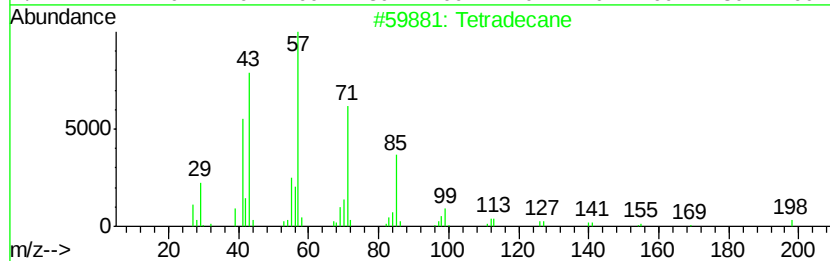
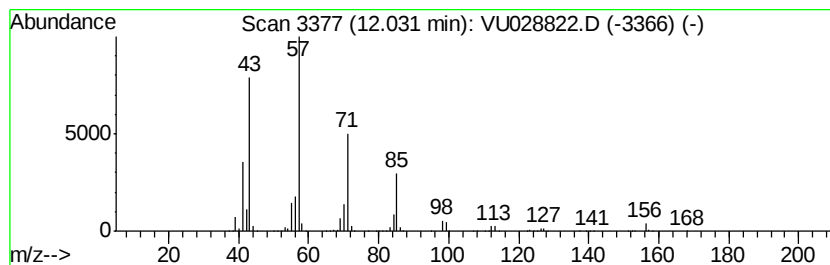
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	336.37 ug/L	5014970	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	90
2		Tridecane	184	C13H28	000629-50-5	86
3		Tetradecane	198	C14H30	000629-59-4	83
4		Tridecane	184	C13H28	000629-50-5	83
5		Undecane	156	C11H24	001120-21-4	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

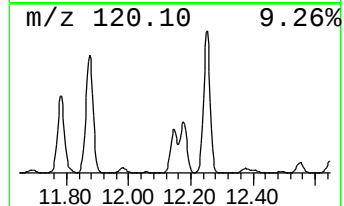
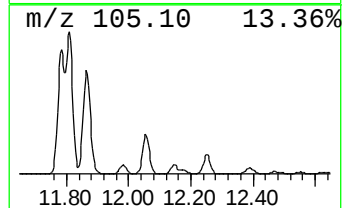
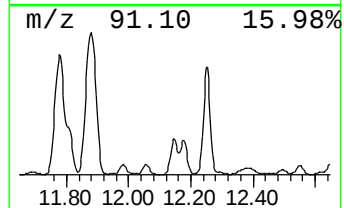
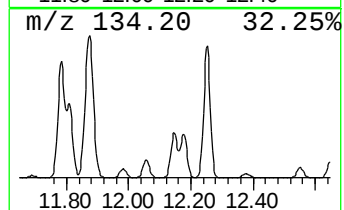
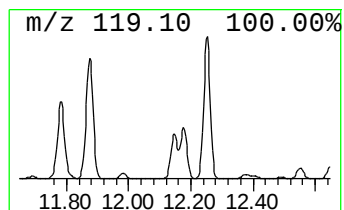
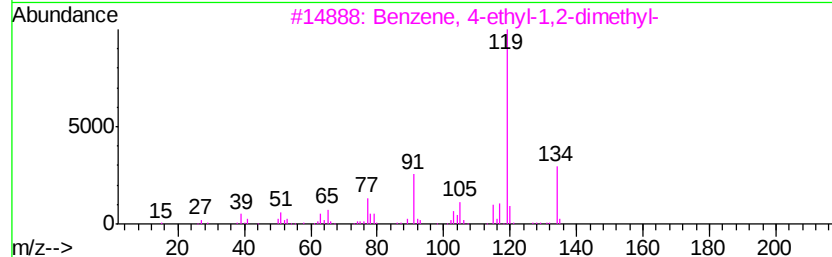
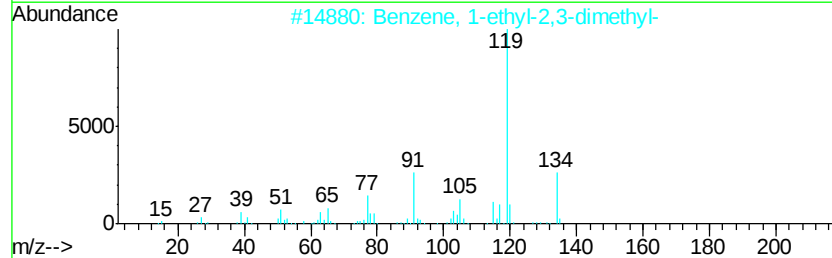
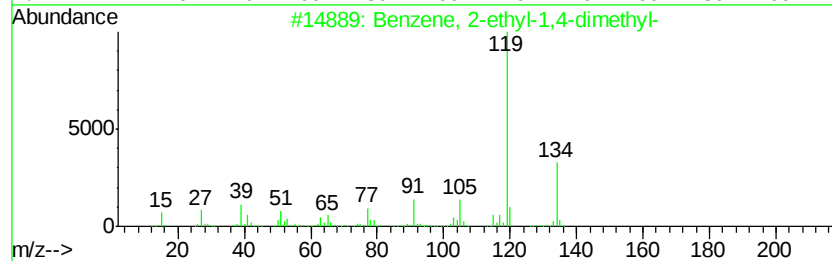
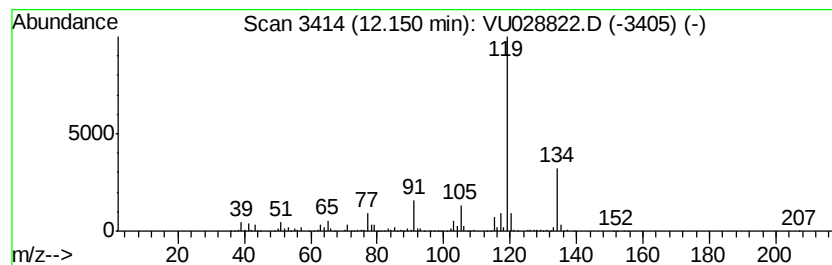
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	76.26 ug/L	1136930	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	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 : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

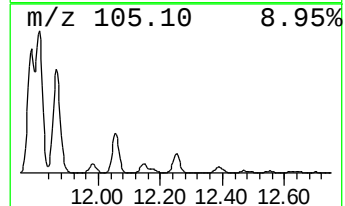
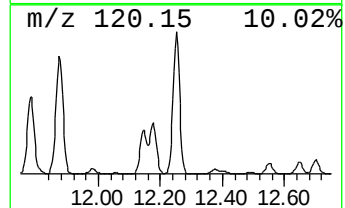
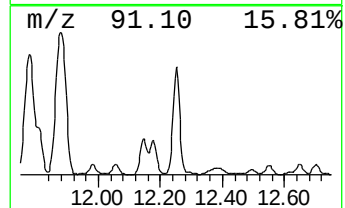
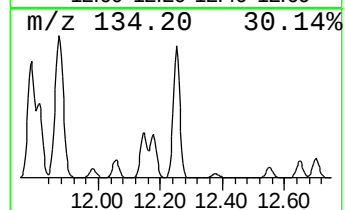
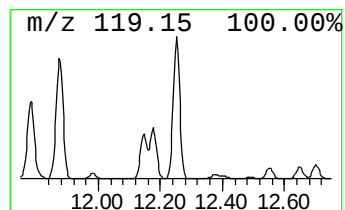
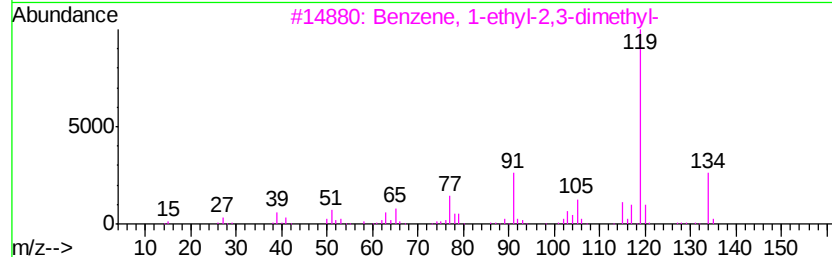
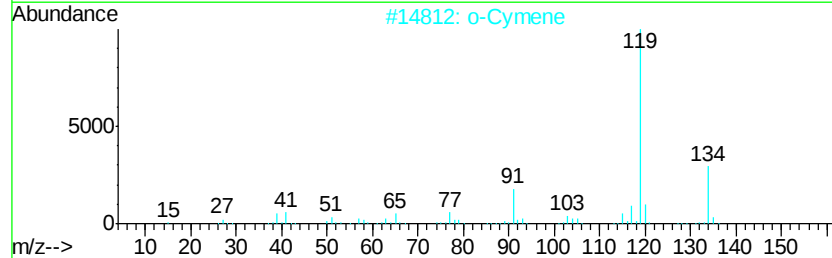
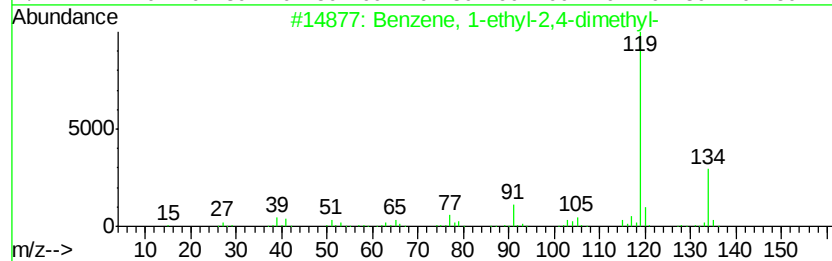
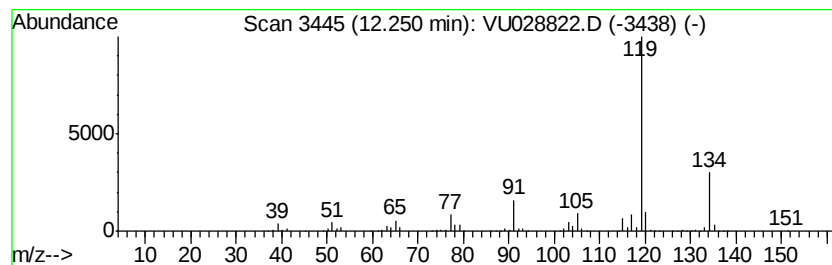
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	230.58 ug/L	3437760	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2		o-Cymene	134	C10H14	000527-84-4	97
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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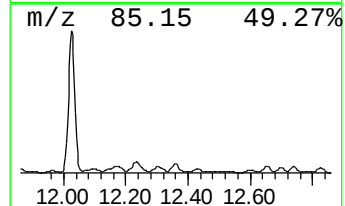
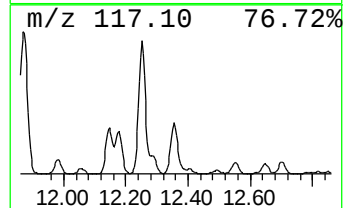
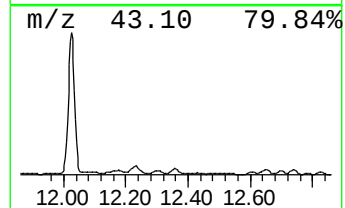
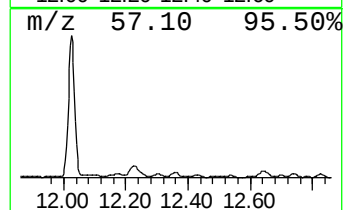
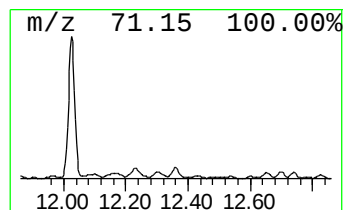
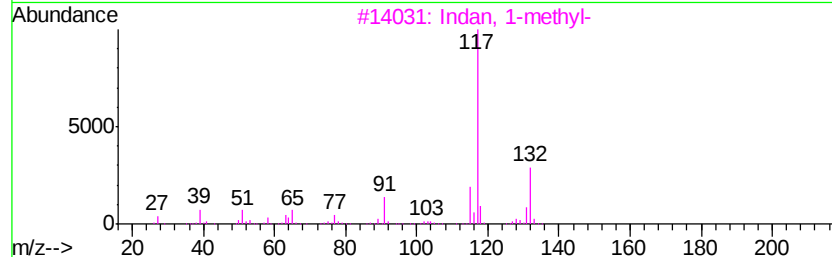
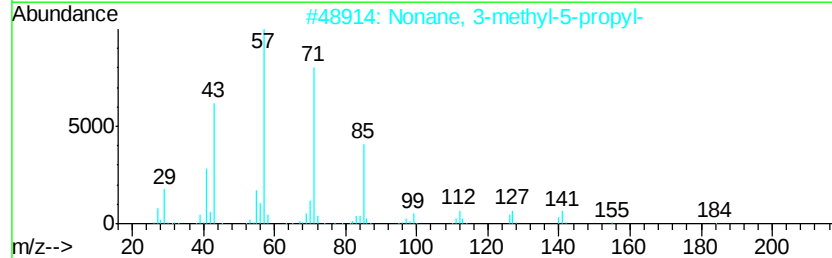
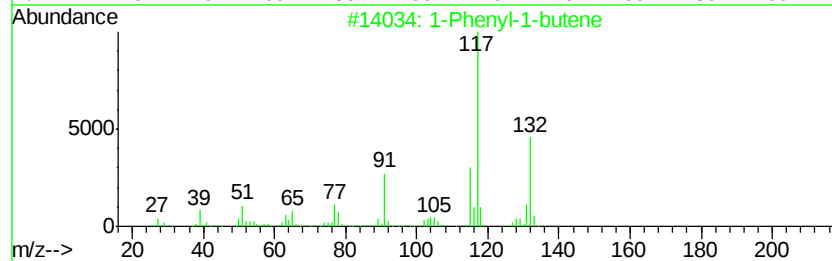
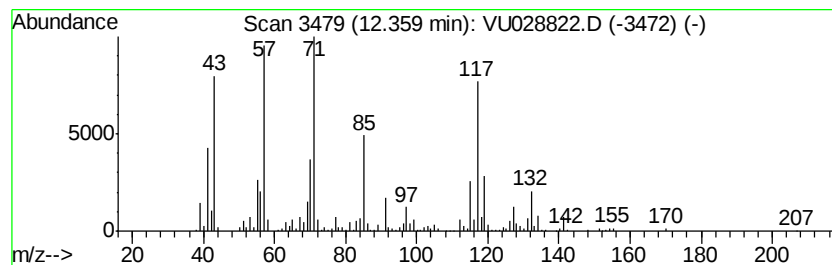
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Quant Title : VOC Analysis

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

Peak Number 31 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	39.46 ug/L	588358	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	47
2		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	43
3		Indan, 1-methyl-	132	C10H12	000767-58-8	38
4		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	38
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

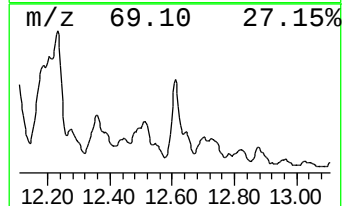
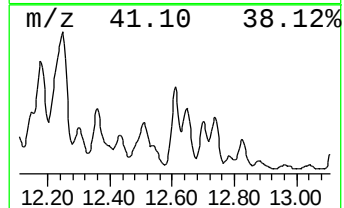
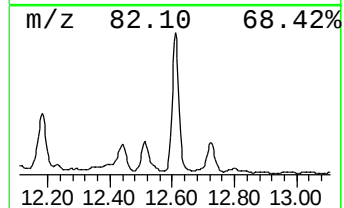
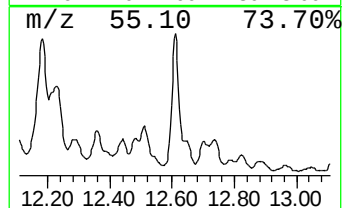
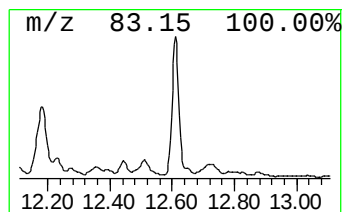
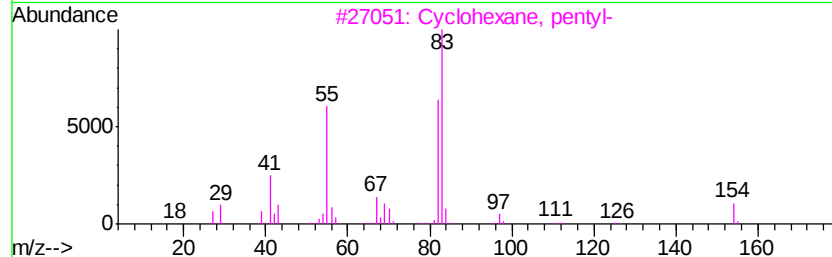
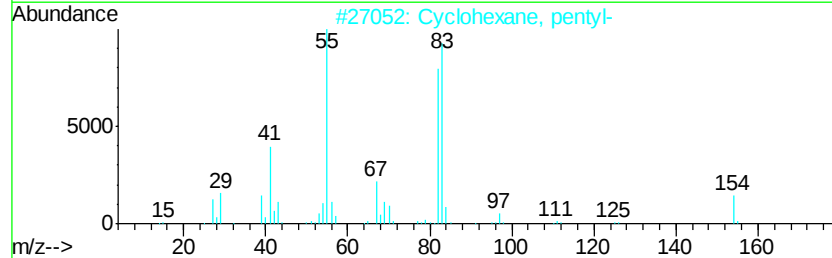
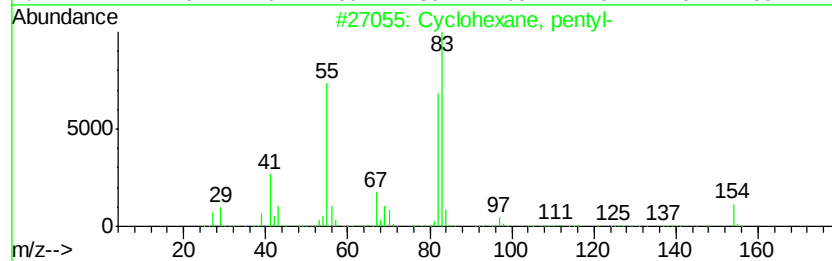
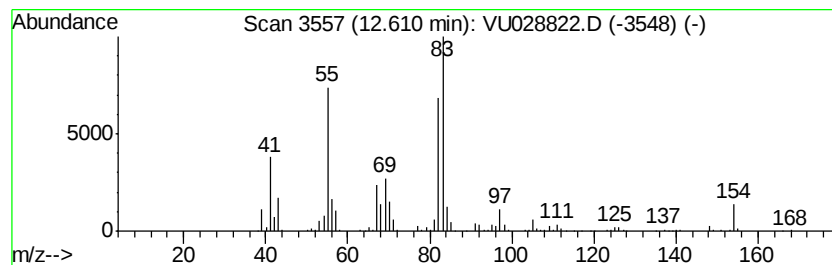
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic12.61 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	32.54 ug/L	485164	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	90
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
4		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	80
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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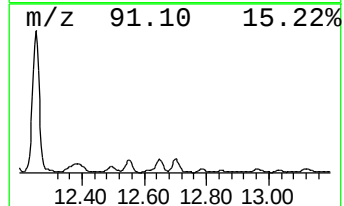
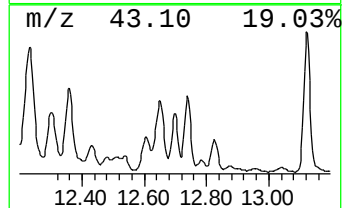
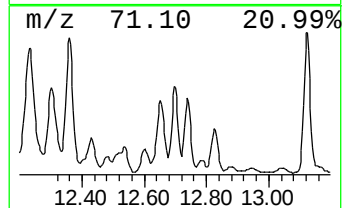
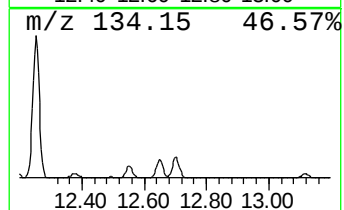
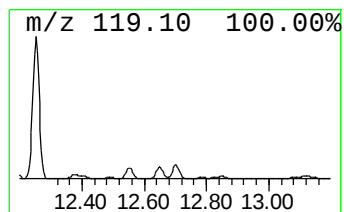
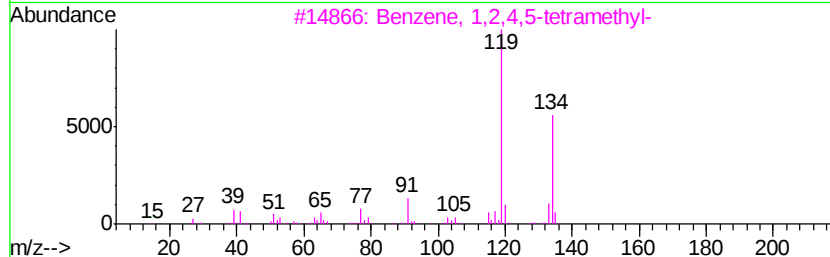
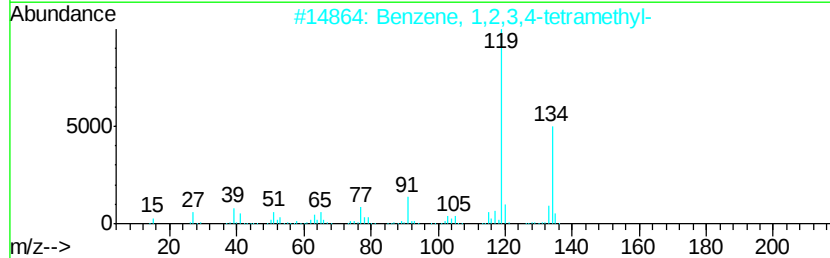
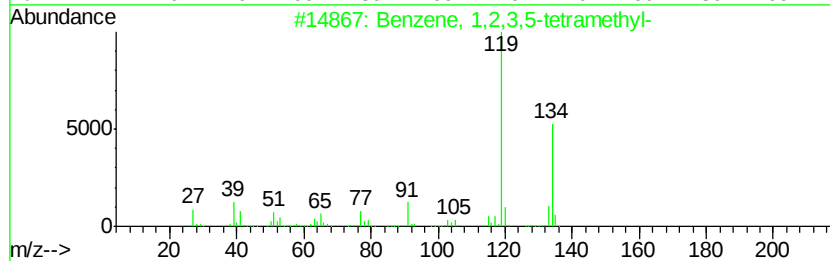
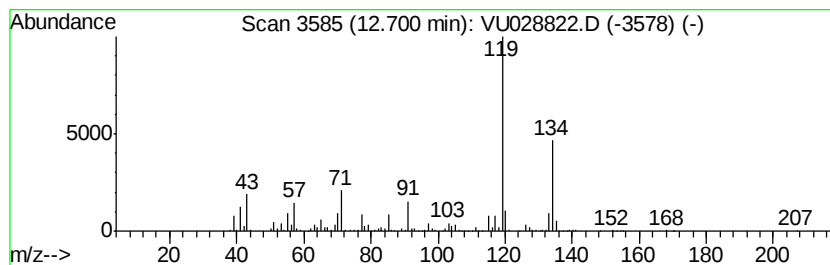
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	34.87 ug/L	519807	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

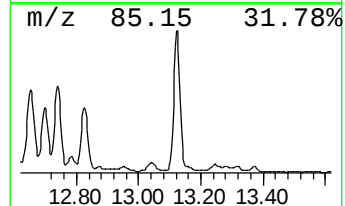
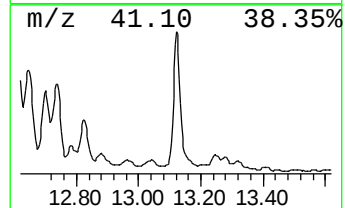
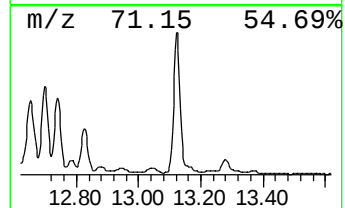
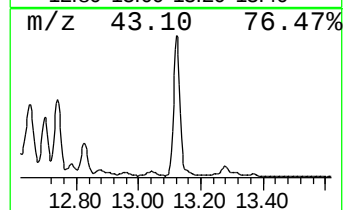
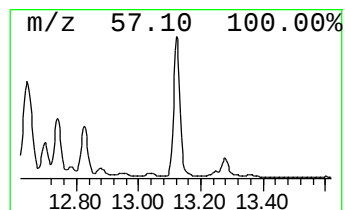
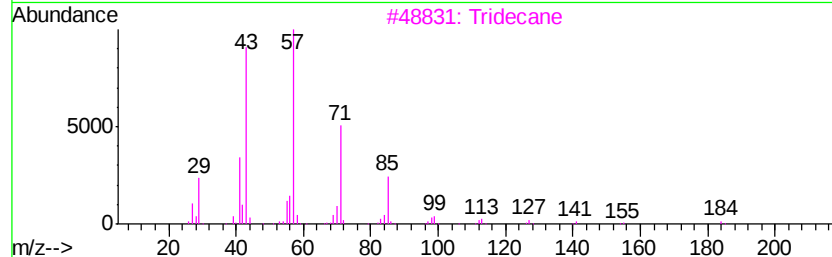
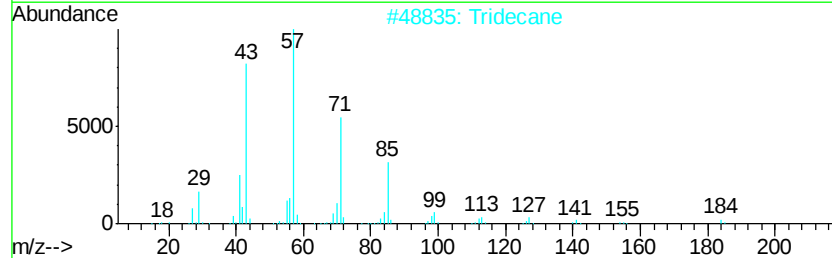
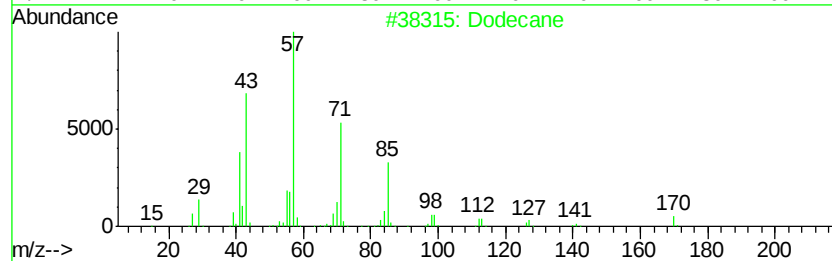
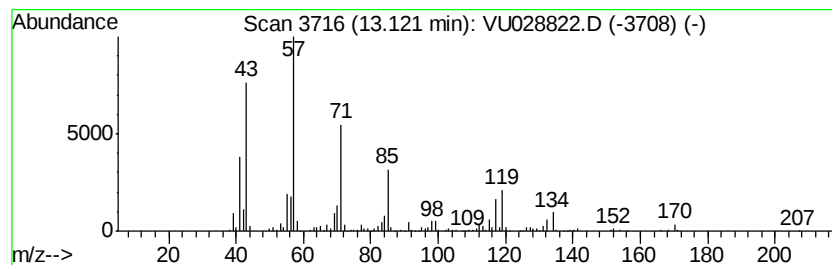
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	39.79 ug/L	593202	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	93
2		Tridecane	184	C13H28	000629-50-5	52
3		Tridecane	184	C13H28	000629-50-5	52
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	52
5		Undecane	156	C11H24	001120-21-4	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028822.D
Acq On : 20 Dec 2018 14:17
Operator : MD/SY
Sample : J6441-11
Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF024

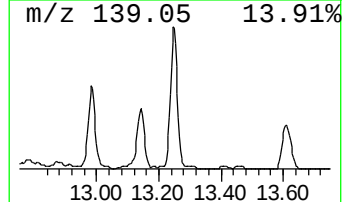
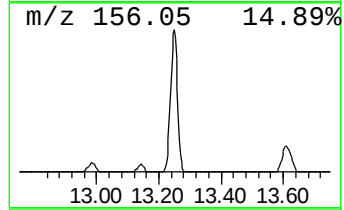
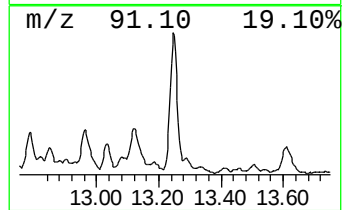
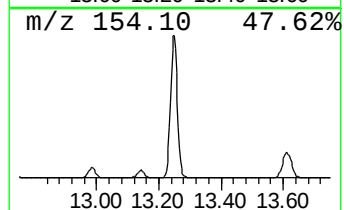
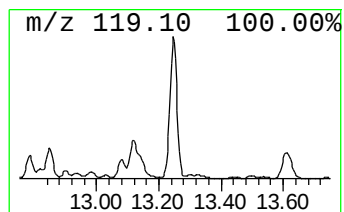
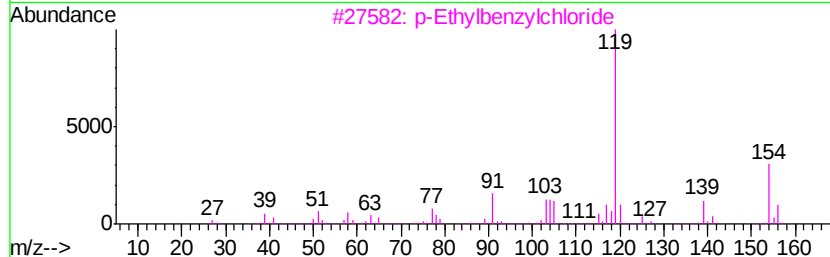
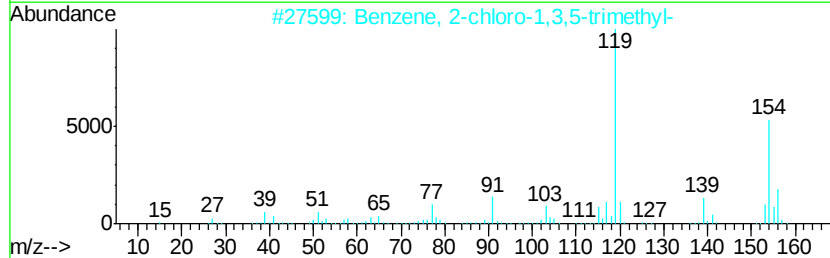
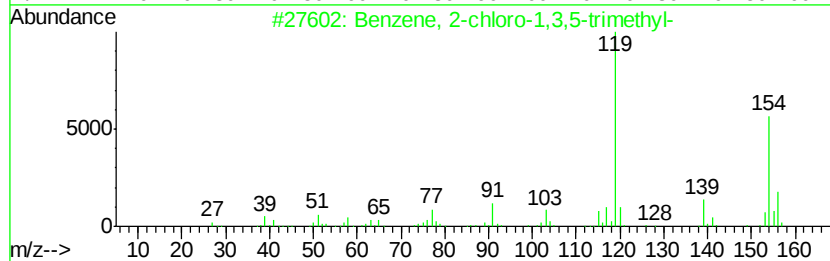
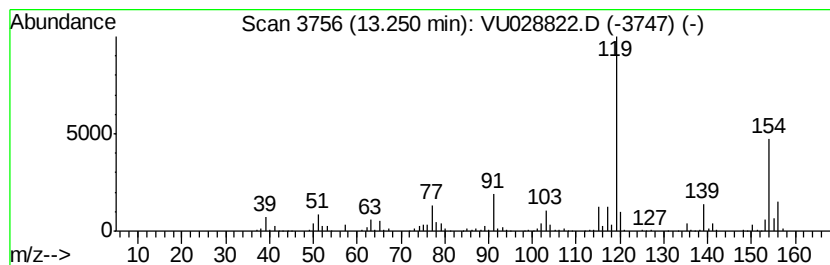
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 2-chloro-1,3,5-tri... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	26.29 ug/L	391952	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-chloro-1,3,5-trimethyl-	154	C9H11Cl	001667-04-5	96
2		Benzene, 2-chloro-1,3,5-trimethyl-	154	C9H11Cl	001667-04-5	95
3		p-Ethylbenzylchloride	154	C9H11Cl	001467-05-6	91
4		2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	87
5		2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028822.D
 Acq On : 20 Dec 2018 14:17
 Operator : MD/SY
 Sample : J6441-11
 Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF024

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis

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

						--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc	
(DEL) Alkane: Cyc...	8.48	11.7	ug/L	139195	2	9.09	596965	50.0	
(DEL) Alkane: Cyc...	8.60	3.1	ug/L	37013	2	9.09	596965	50.0	
(DEL) Alkane: Str...	8.81	4.8	ug/L	57549	2	9.09	596965	50.0	
(DEL) Alkane: Cyc...	8.85	14.0	ug/L	166923	2	9.09	596965	50.0	
(DEL) Alkane: Str...	8.91	37.0	ug/L	441977	2	9.09	596965	50.0	
(DEL) Alkane: Str...	9.03	27.4	ug/L	327030	2	9.09	596965	50.0	
(DEL) Alkane: Str...	9.44	226.1	ug/L	2698920	2	9.09	596965	50.0	
unknown-01	9.57	8.4	ug/L	100220	2	9.09	596965	50.0	
(DEL) Alkane: Str...	9.65	8.3	ug/L	99343	2	9.09	596965	50.0	
(DEL) Alkane: Cyc...	9.72	87.0	ug/L	1039020	2	9.09	596965	50.0	
(DEL) Alkane: Str...	9.95	122.2	ug/L	1458980	2	9.09	596965	50.0	
(DEL) Alkane: Str...	10.01	13.1	ug/L	156559	2	9.09	596965	50.0	
(DEL) Alkane: Cyc...	10.04	85.9	ug/L	1025870	2	9.09	596965	50.0	
(DEL) Alkane: Str...	10.25	38.0	ug/L	454016	2	9.09	596965	50.0	
Benzene, propyl-	10.59	639.8	ug/L	9538010	3	11.48	745452	50.0	
Benzene, 1-ethyl-...	10.69	3335.8	ug/L	49734300	3	11.48	745452	50.0	
Benzene, 1,2,3-tr...	10.78	1209.7	ug/L	18035900	3	11.48	745452	50.0	
(DEL) Alkane: Str...	10.82	433.4	ug/L	6461790	3	11.48	745452	50.0	
(DEL) Alkane: Str...	11.12	71.3	ug/L	1063540	3	11.48	745452	50.0	
(DEL) Alkane: Str...	11.27	33.0	ug/L	491242	3	11.48	745452	50.0	
(DEL) Alkane: Cyc...	11.40	63.8	ug/L	951727	3	11.48	745452	50.0	
(DEL) Alkane: Str...	11.70	63.1	ug/L	941200	3	11.48	745452	50.0	
Benzene, 1,3-diet...	11.78	403.3	ug/L	6012820	3	11.48	745452	50.0	
(DEL) Alkane: Str...	12.03	336.4	ug/L	5014970	3	11.48	745452	50.0	
Benzene, 2-ethyl-...	12.15	76.3	ug/L	1136930	3	11.48	745452	50.0	
Benzene, 1-ethyl-...	12.25	230.6	ug/L	3437760	3	11.48	745452	50.0	
unknown-02	12.36	39.5	ug/L	588358	3	11.48	745452	50.0	
(DEL) Alkane: Cyc...	12.61	32.5	ug/L	485164	3	11.48	745452	50.0	
Benzene, 1,2,3,5-...	12.70	34.9	ug/L	519807	3	11.48	745452	50.0	
(DEL) Alkane: Str...	13.12	39.8	ug/L	593202	3	11.48	745452	50.0	
Benzene, 2-chloro...	13.25	26.3	ug/L	391952	3	11.48	745452	50.0	