

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031533.D
 Acq On : 26 Apr 2019 15:19
 Operator : JC/SP
 Sample : K2481-20ME
 Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHX3ME

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\SOMULM042719WMA.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	1.180	24	28	37	rVB2	19670	20369	0.02%	0.006%
2	1.293	59	63	68	rBV	12097	11248	0.01%	0.003%
3	1.396	87	95	110	rBV	373000	537459	0.63%	0.162%
4	1.675	176	182	198	rBV	230359	370047	0.44%	0.112%
5	2.244	349	359	374	rBV	736212	1179870	1.39%	0.357%
6	2.563	455	458	462	rBV5	1529	1153	0.00%	0.000%
7	2.630	469	479	486	rBV4	7869	15672	0.02%	0.005%
8	2.897	556	562	565	rBV5	1710	1758	0.00%	0.001%
9	3.058	608	612	617	rVB5	1490	1282	0.00%	0.000%
10	3.174	645	648	651	rBV3	1930	983	0.00%	0.000%
11	3.379	710	712	716	rVB3	1445	985	0.00%	0.000%
12	3.444	729	732	736	rVB4	1537	1256	0.00%	0.000%
13	3.469	736	740	744	rBV4	1468	1563	0.00%	0.000%
14	3.556	762	767	772	rBV2	2306	2303	0.00%	0.001%
15	3.592	772	778	781	rBV3	1326	1250	0.00%	0.000%
16	3.611	781	784	791	rBV6	684	941	0.00%	0.000%
17	3.656	794	798	802	rBV2	1283	1240	0.00%	0.000%
18	3.759	827	830	835	rVB3	1822	1717	0.00%	0.001%
19	3.791	835	840	841	rBV4	1581	1458	0.00%	0.000%
20	3.894	869	872	876	rVV2	1408	1283	0.00%	0.000%
21	3.920	876	880	883	rVV2	1616	1432	0.00%	0.000%
22	3.936	883	885	888	rVV4	1705	1279	0.00%	0.000%
23	3.961	891	893	896	rVV	1725	1148	0.00%	0.000%
24	3.977	896	898	902	rVV2	1180	931	0.00%	0.000%
25	4.055	919	922	928	rBV3	1090	1365	0.00%	0.000%
26	4.093	931	934	939	rVB4	1385	1010	0.00%	0.000%
27	4.122	939	943	946	rBV4	1448	1410	0.00%	0.000%
28	4.206	954	969	1014	rBV2	172447	874829	1.03%	0.264%
29	4.643	1087	1105	1136	rBV	472373	1265058	1.49%	0.382%
30	4.862	1170	1173	1176	rBV5	1188	1014	0.00%	0.000%
31	4.887	1177	1181	1185	rVV5	1879	1612	0.00%	0.000%
32	4.974	1198	1208	1209	rBV6	3842	4530	0.01%	0.001%
33	5.119	1246	1253	1254	rBV3	1170	1145	0.00%	0.000%
34	5.235	1284	1289	1292	rBV3	1741	1471	0.00%	0.000%

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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Title : VOC Analysis

35	5.331	1296	1319	1354	rBV2	1194578	3488169	4.11%	1.054%
36	5.575	1393	1395	1398	rBV3	1479	989	0.00%	0.000%
37	5.614	1401	1407	1408	rBV3	3040	2856	0.00%	0.001%
38	5.781	1457	1459	1463	rVB5	2005	1239	0.00%	0.000%
39	5.881	1474	1490	1517	rBV	986985	2217747	2.61%	0.670%
40	6.148	1570	1573	1574	rBV3	1705	1011	0.00%	0.000%
41	6.328	1613	1629	1662	rBV	679602	1544125	1.82%	0.467%
42	6.569	1701	1704	1708	rVV5	1386	1189	0.00%	0.000%
43	6.701	1741	1745	1748	rBV4	1032	959	0.00%	0.000%
44	6.717	1748	1750	1756	rVV5	1604	1397	0.00%	0.000%
45	6.817	1777	1781	1785	rBV6	1938	1562	0.00%	0.000%
46	6.881	1798	1801	1804	rBV4	2082	1874	0.00%	0.001%
47	6.900	1804	1807	1809	rBV3	1682	1107	0.00%	0.000%
48	7.154	1882	1886	1887	rBV3	1513	993	0.00%	0.000%
49	7.170	1887	1891	1896	rVV8	3222	3603	0.00%	0.001%
50	7.228	1896	1909	1935	rVV	372020	804907	0.95%	0.243%
51	7.395	1958	1961	1964	rVB4	1955	1100	0.00%	0.000%
52	7.460	1978	1981	1985	rVB3	2088	1884	0.00%	0.001%
53	7.563	1992	2013	2028	rBV	1397918	2695994	3.17%	0.815%
54	7.636	2030	2036	2064	rVB2	141951	311848	0.37%	0.094%
55	7.813	2085	2091	2092	rBV4	13550	10893	0.01%	0.003%
56	7.852	2094	2103	2138	rVB2	235569	555902	0.65%	0.168%
57	8.228	2213	2220	2230	rVB2	5949	10223	0.01%	0.003%
58	8.337	2239	2254	2284	rBV	826890	2126425	2.50%	0.643%
59	8.601	2329	2336	2345	rBV4	29868	46966	0.06%	0.014%
60	8.752	2374	2383	2393	rVB7	20273	34480	0.04%	0.010%
61	8.810	2395	2401	2405	rBV3	17093	23153	0.03%	0.007%
62	8.910	2425	2432	2442	rVB3	59187	92928	0.11%	0.028%
63	9.029	2459	2469	2477	rBV	72671	124498	0.15%	0.038%
64	9.090	2477	2488	2510	rVV	1365105	2636097	3.10%	0.797%
65	9.251	2528	2538	2551	rBV2	67744	145937	0.17%	0.044%
66	9.440	2590	2597	2623	rVB	424265	726244	0.85%	0.220%
67	9.559	2626	2634	2652	rVB7	54644	108159	0.13%	0.033%
68	9.717	2674	2683	2692	rVB3	139484	241150	0.28%	0.073%
69	9.784	2695	2704	2722	rVV4	321081	770597	0.91%	0.233%
70	9.948	2738	2755	2765	rBV2	572641	1077129	1.27%	0.326%
71	10.042	2777	2784	2791	rBV5	361764	619872	0.73%	0.187%

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72	10.087	2793	2798	2810	rVB	480339	724532	0.85%	0.219%
73	10.440	2896	2908	2916	rBV2	1130961	2280951	2.69%	0.690%
74	10.771	2998	3011	3017	rBV2	2236833	4490695	5.29%	1.357%
75	10.810	3018	3023	3034	rVB	2690881	3772626	4.44%	1.140%
76	10.971	3066	3073	3092	rVB3	971004	2153010	2.53%	0.651%
77	11.112	3110	3117	3122	rBV	1188229	1677999	1.98%	0.507%
78	11.395	3198	3205	3212	rBV2	1231707	1970914	2.32%	0.596%
79	11.482	3225	3232	3241	rBV2	1626792	2415838	2.84%	0.730%
80	11.569	3252	3259	3267	rBV	3531248	4922074	5.79%	1.488%
81	11.865	3341	3351	3367	rVB3	3952236	8743770	10.29%	2.643%
82	11.980	3380	3387	3392	rBV	1871113	2732596	3.22%	0.826%
83	12.022	3393	3400	3408	rVB	5368771	7263832	8.55%	2.196%
84	12.357	3498	3504	3510	rBV3	1322995	1928576	2.27%	0.583%
85	12.607	3575	3582	3587	rBV	2391845	3457613	4.07%	1.045%
86	12.701	3603	3611	3629	rBV2	4985671	11309534	13.31%	3.419%
87	12.961	3687	3692	3706	rVB2	2160375	3120345	3.67%	0.943%
88	13.119	3734	3741	3755	rVB2	13360947	19554145	23.02%	5.911%
89	13.289	3784	3794	3813	rVB2	12809304	24942065	29.36%	7.540%
90	14.141	4052	4059	4066	rBV3	5141810	7911684	9.31%	2.392%
91	14.334	4111	4119	4130	rBV5	7365671	14426107	16.98%	4.361%
92	14.871	4278	4286	4298	rBV	10271089	16425986	19.34%	4.965%
93	15.064	4335	4346	4359	rBV2	51927965	84943481	100.00%	25.678%
94	15.797	4567	4574	4581	rBV	5282015	7592302	8.94%	2.295%
95	15.913	4599	4610	4640	rVB	19376249	33648282	39.61%	10.172%
96	16.057	4645	4655	4662	rBV	14521396	22851327	26.90%	6.908%
97	16.282	4710	4725	4735	rBV	2506394	5887349	6.93%	1.780%
98	16.427	4763	4770	4783	rVB	1061040	1638968	1.93%	0.495%
99	16.524	4791	4800	4816	rVB2	1596984	2949260	3.47%	0.892%
100	17.224	5013	5018	5028	rVB3	226876	325661	0.38%	0.098%

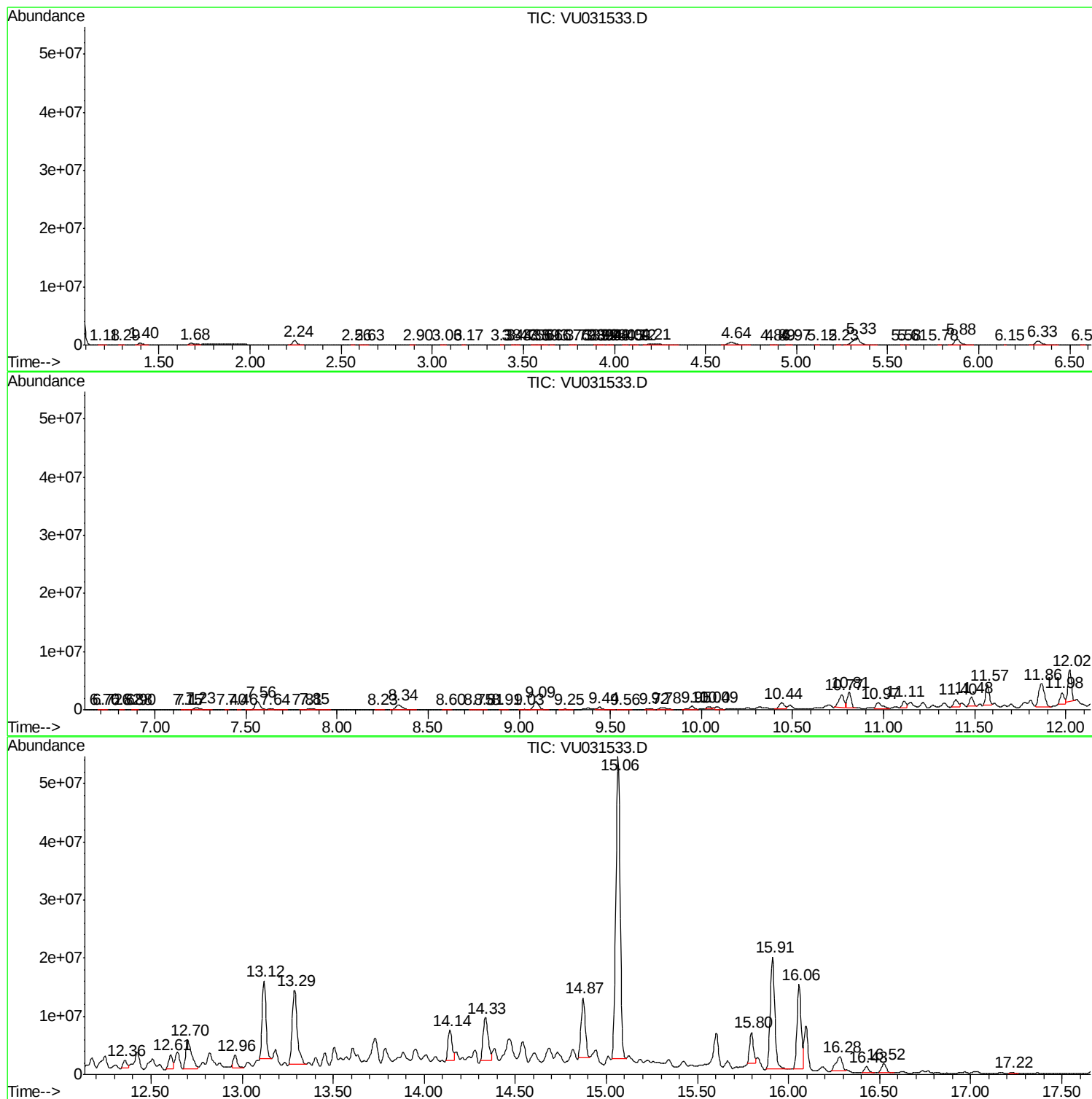
Sum of corrected areas: 330808799

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Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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



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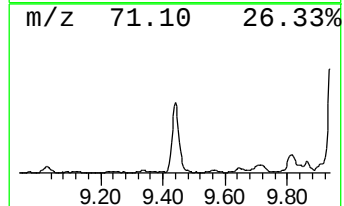
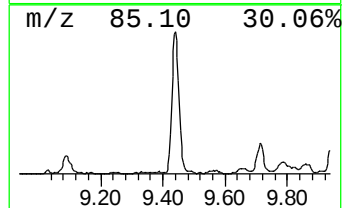
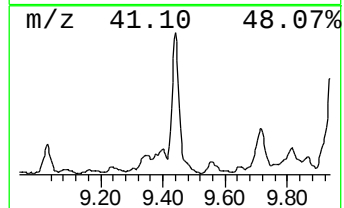
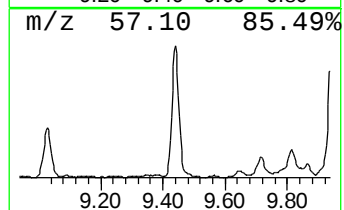
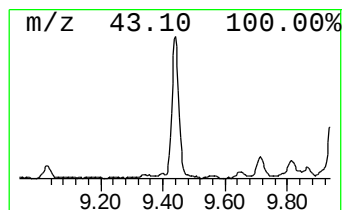
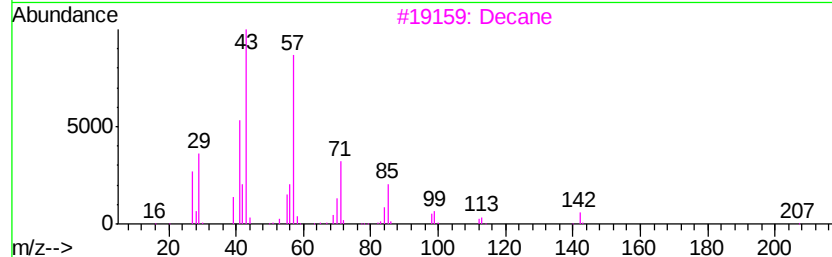
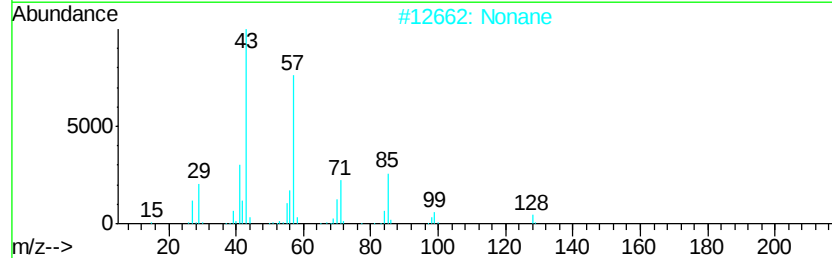
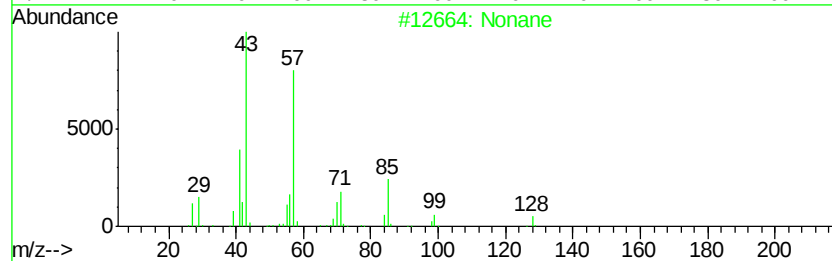
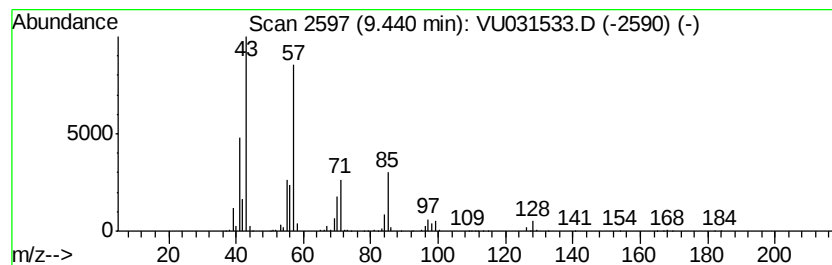
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	13.78 ug/L	726244	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	87
2		Nonane	128	C9H20	000111-84-2	87
3		Decane	142	C10H22	000124-18-5	64
4		Decane	142	C10H22	000124-18-5	64
5		Nonane	128	C9H20	000111-84-2	58



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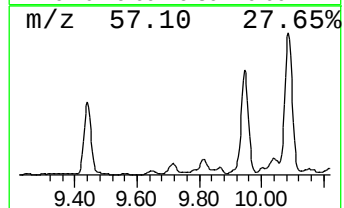
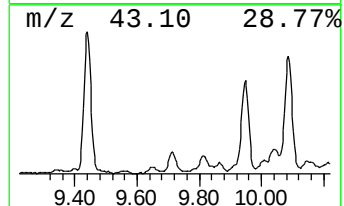
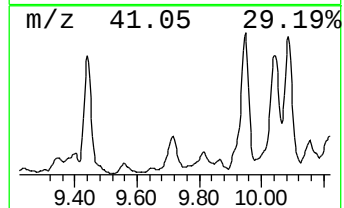
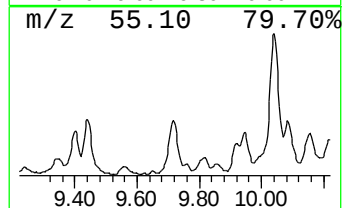
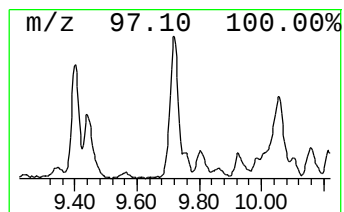
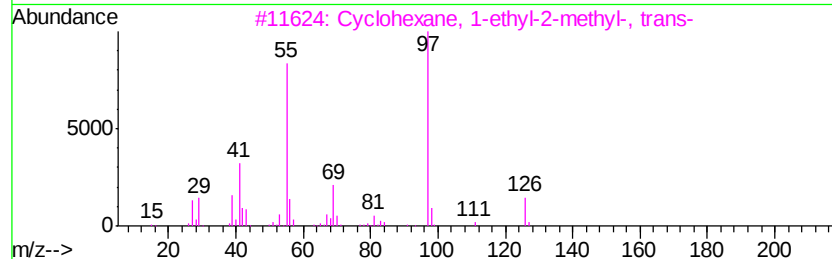
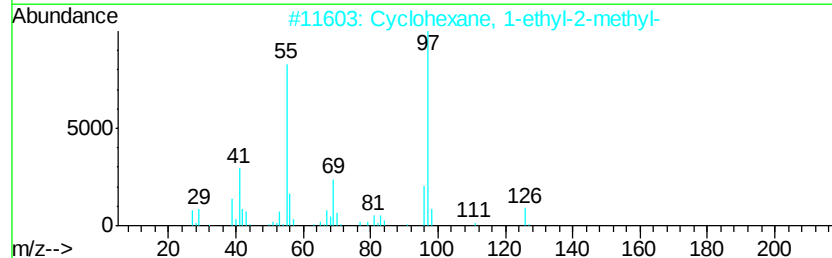
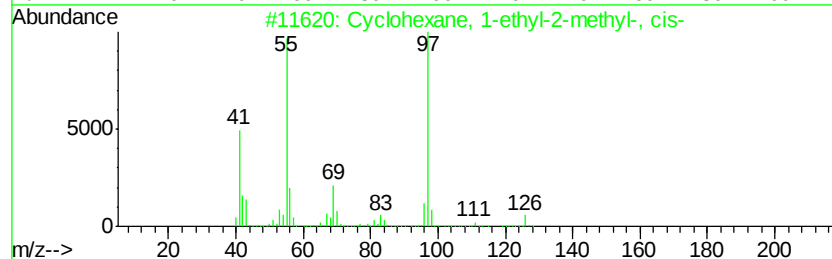
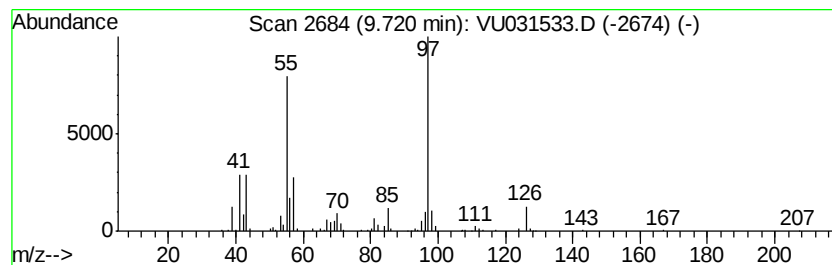
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic9.72 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	4.57 ug/L	241150	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	90
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	68
4		Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	64
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59



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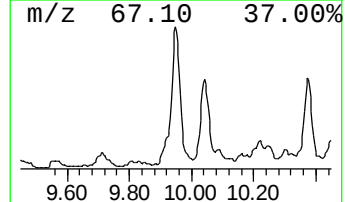
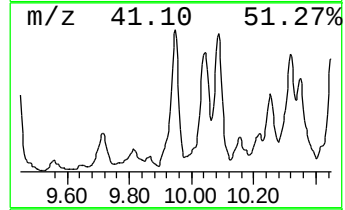
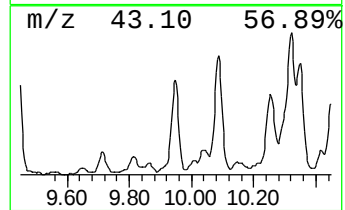
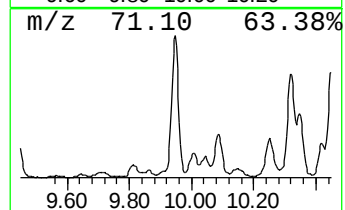
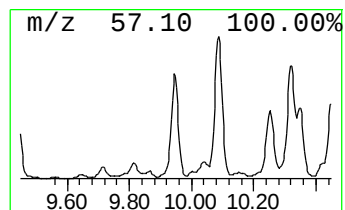
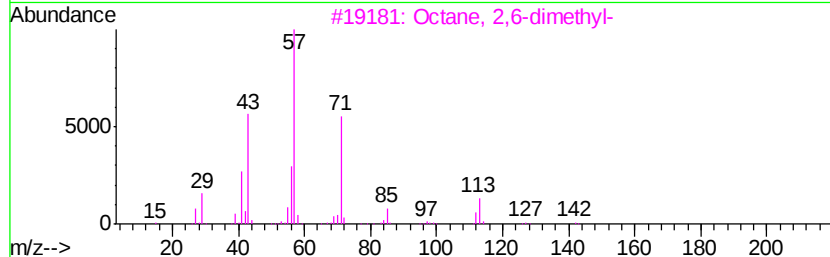
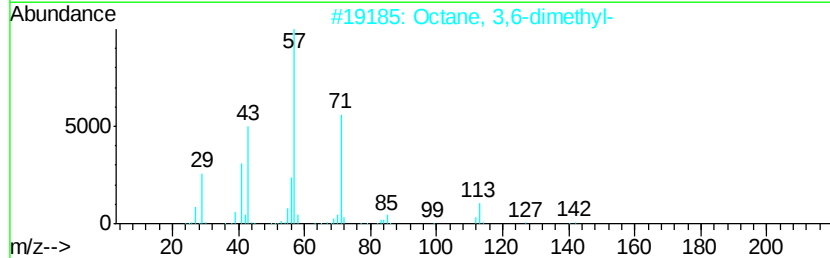
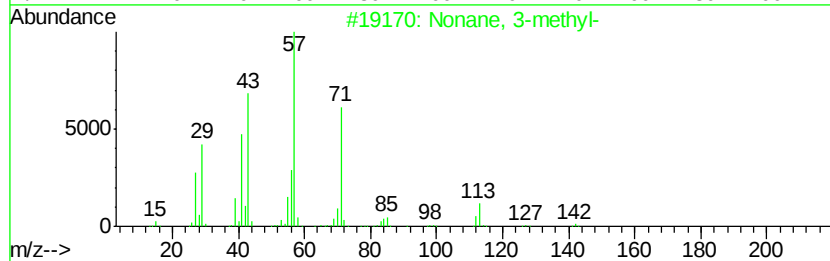
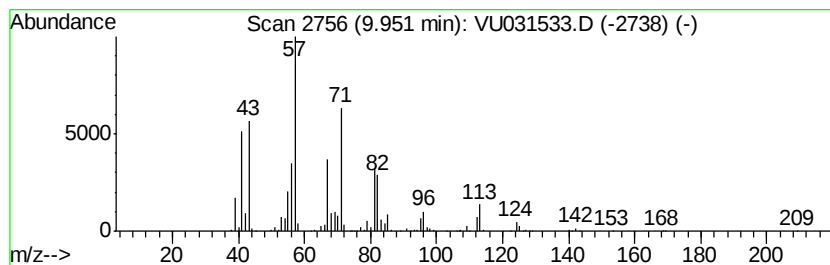
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	20.43 ug/L	1077130	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	60
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	60
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02uL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

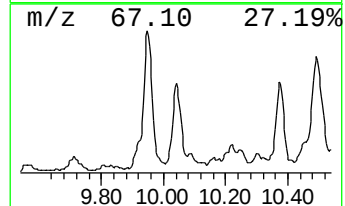
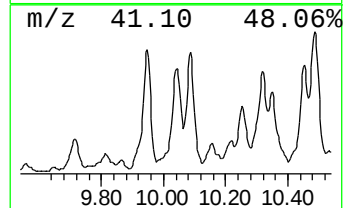
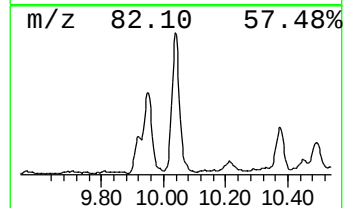
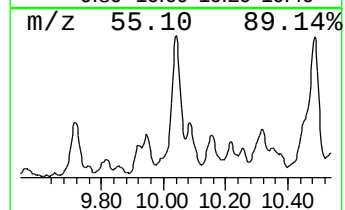
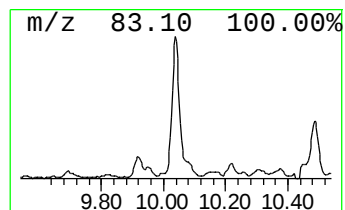
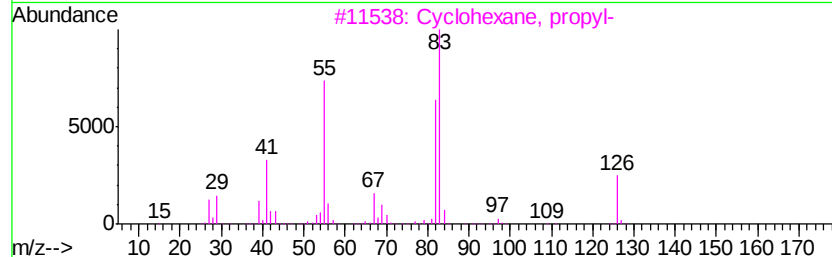
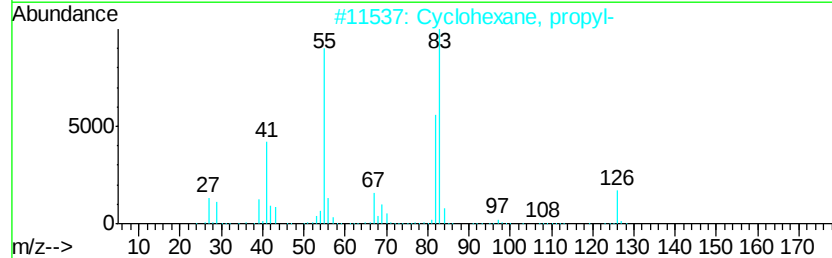
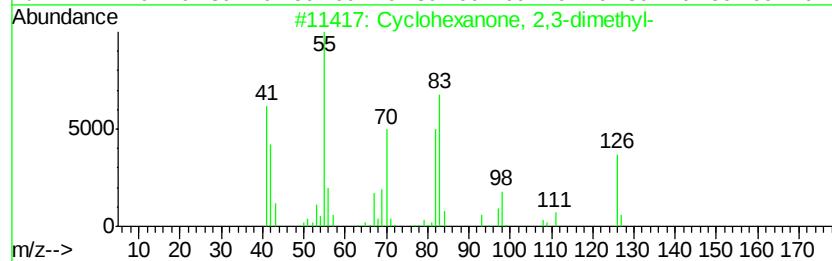
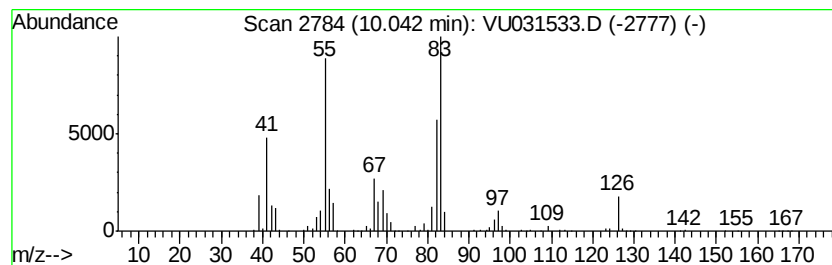
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 5 Cyclohexanone, 2,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.04	11.76 ug/L	619872	Chlorobenzene-d5	9.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	80
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
3	Cvclohexane, propyl-	126	C9H18	001678-92-8	74
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

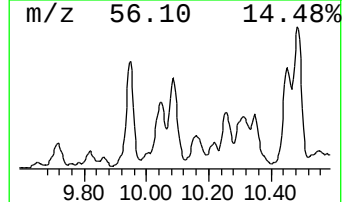
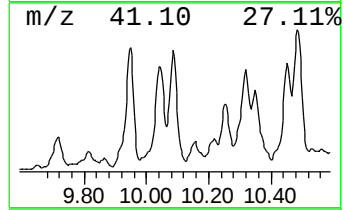
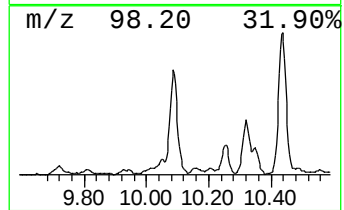
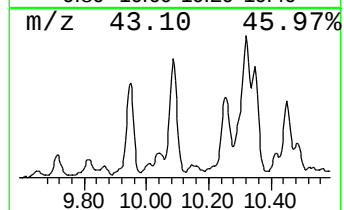
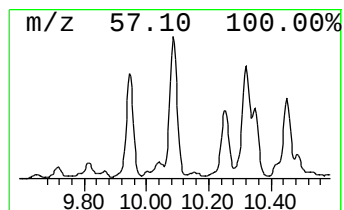
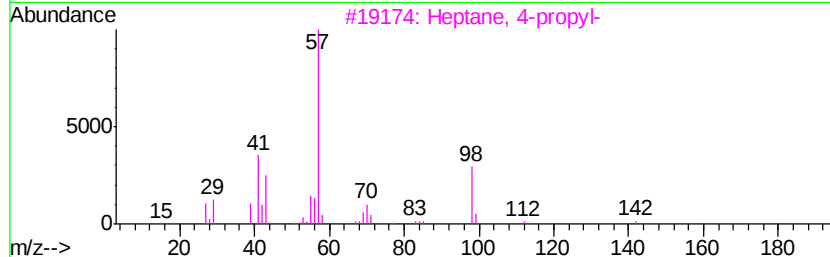
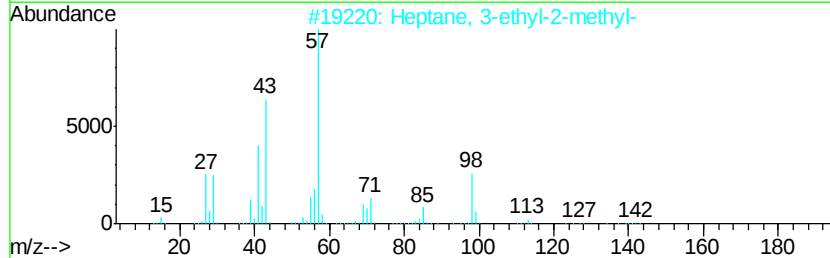
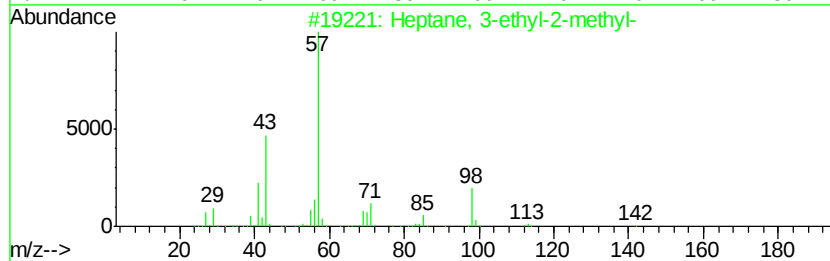
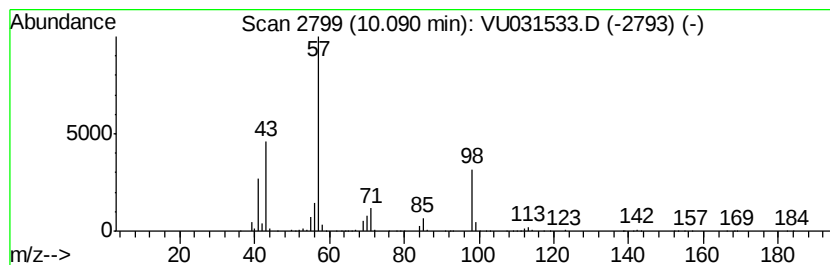
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic10.09 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.09	13.74 ug/L	724532	Chlorobenzene-d5	9.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	74
3		Heptane, 4-propyl-	142	C10H22	003178-29-8	59
4		Undecane, 6-methyl-	170	C12H26	017302-33-9	59
5		Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

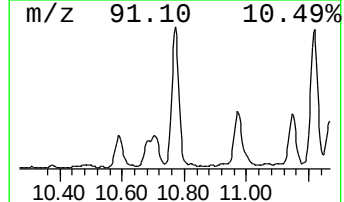
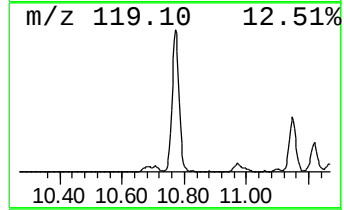
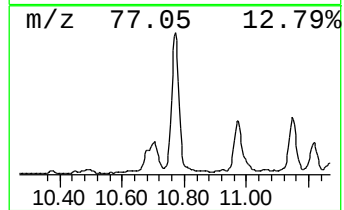
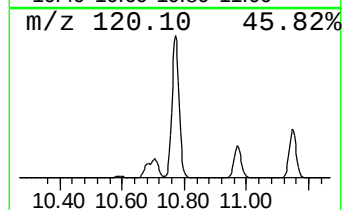
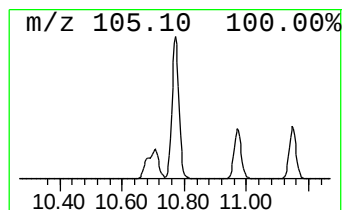
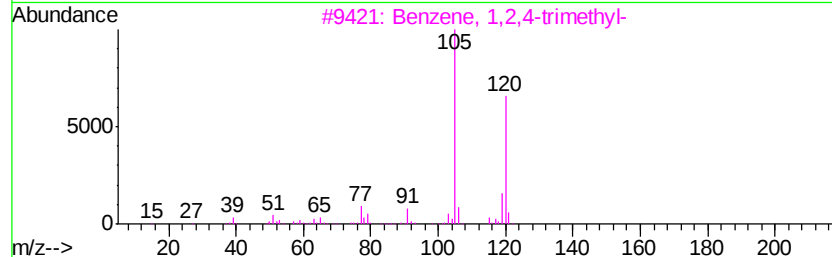
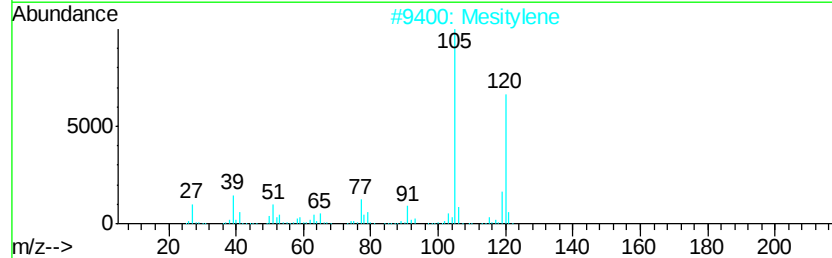
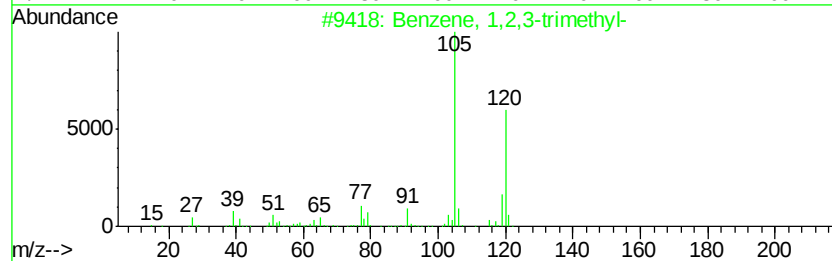
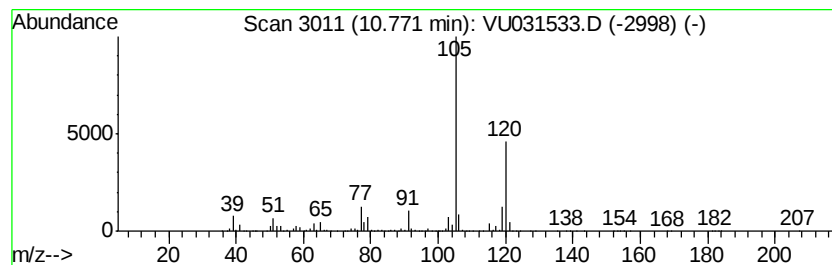
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	92.94 ug/L	4490700	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		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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 : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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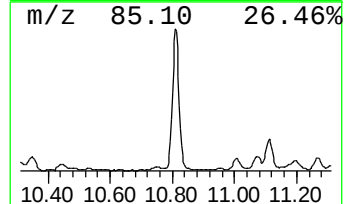
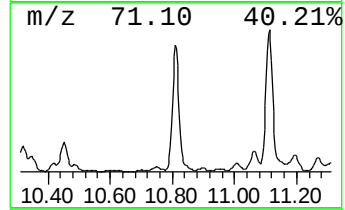
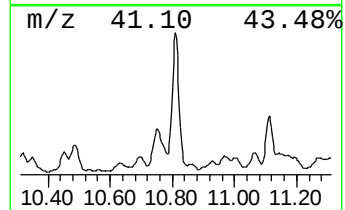
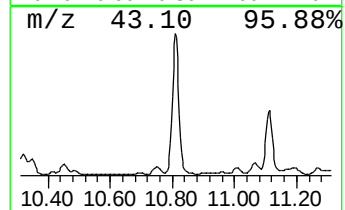
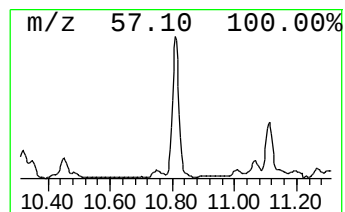
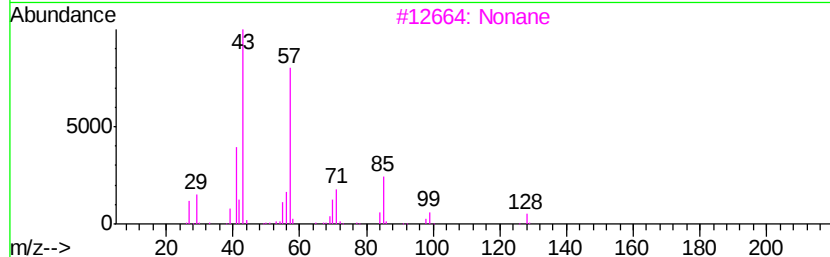
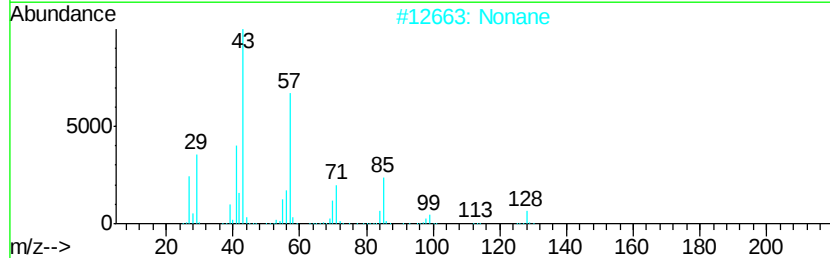
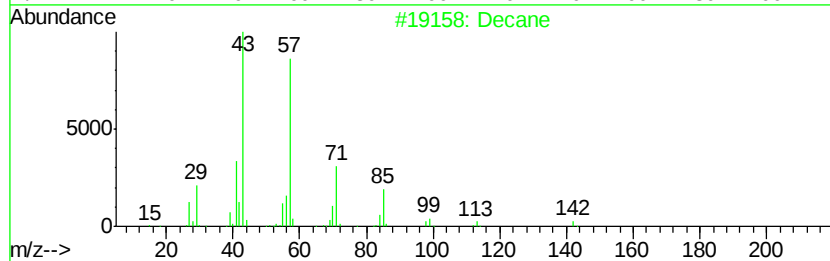
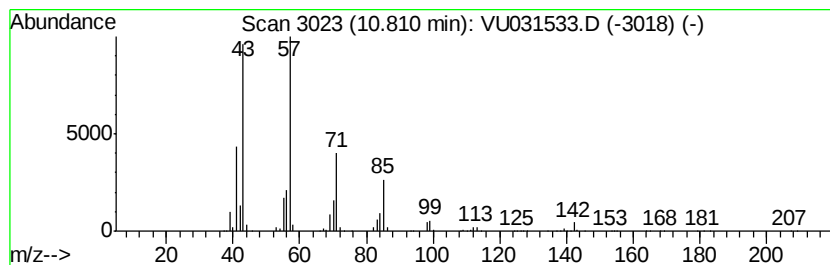
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	78.08 ug/L	3772630	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	87
2		Nonane	128	C9H20	000111-84-2	81
3		Nonane	128	C9H20	000111-84-2	81
4		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	76
5		Nonane	128	C9H20	000111-84-2	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02uL/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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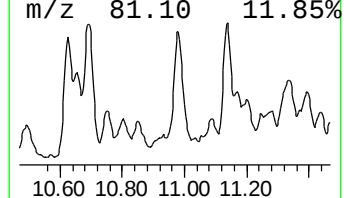
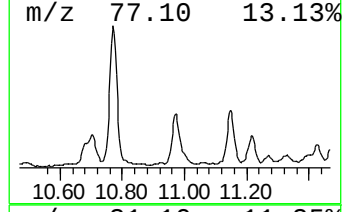
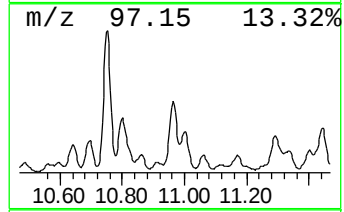
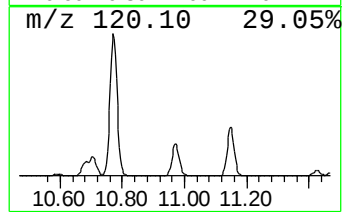
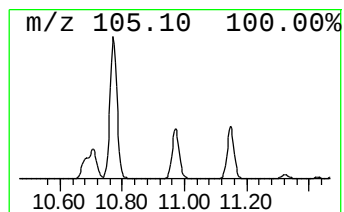
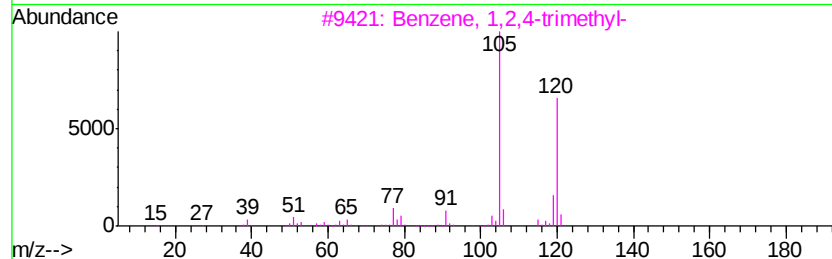
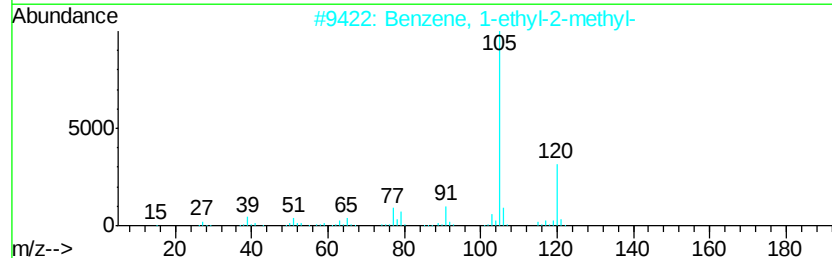
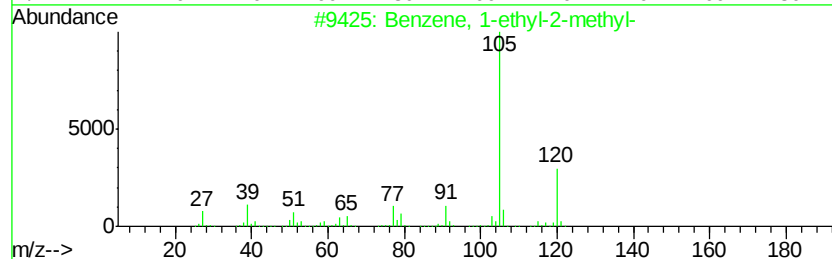
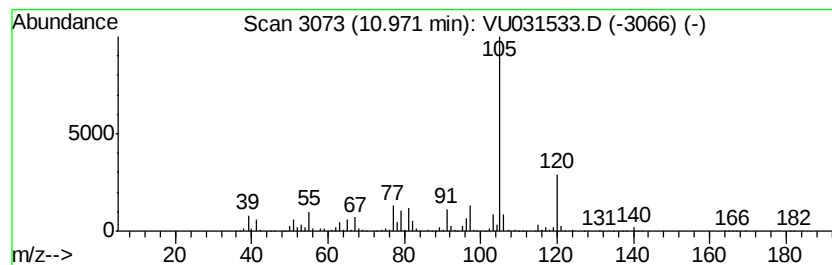
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	44.56 ug/L	2153010	1,4-Dichlorobenzene-d4	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76
4			Mesitylene	120	C9H12	000108-67-8	76
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02uL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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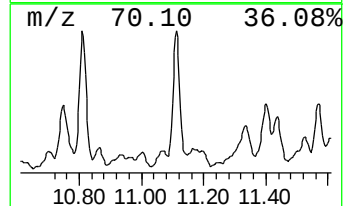
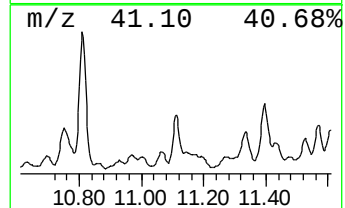
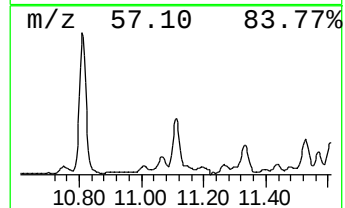
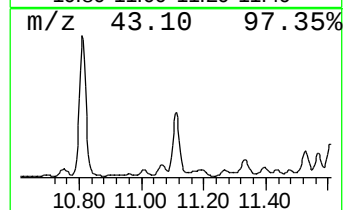
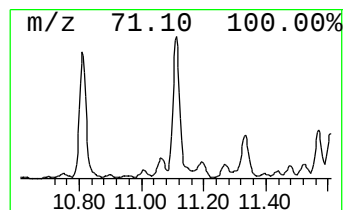
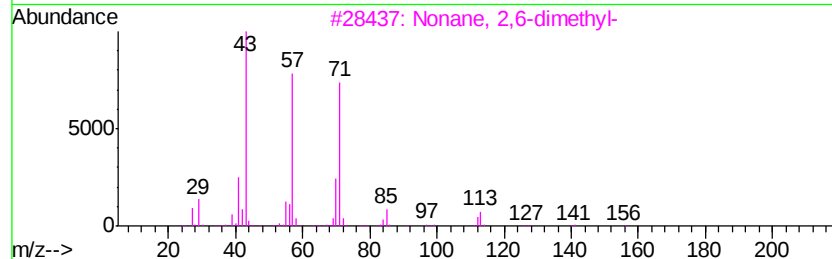
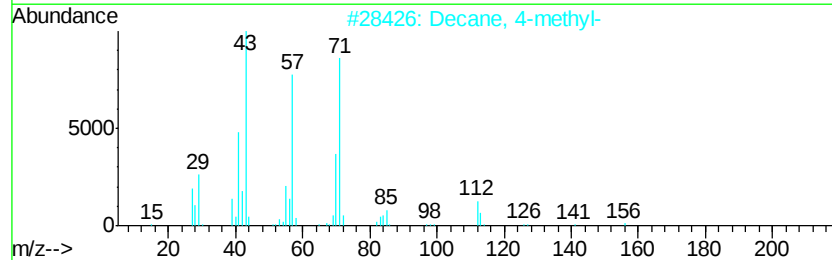
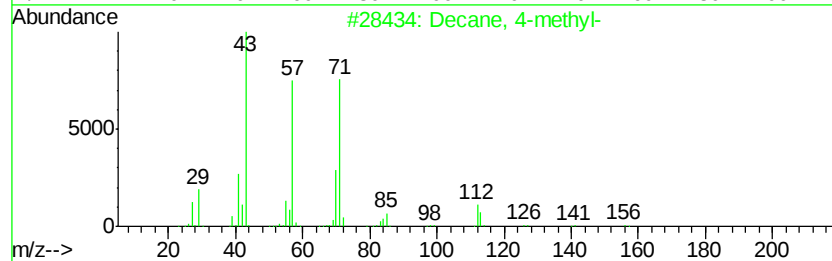
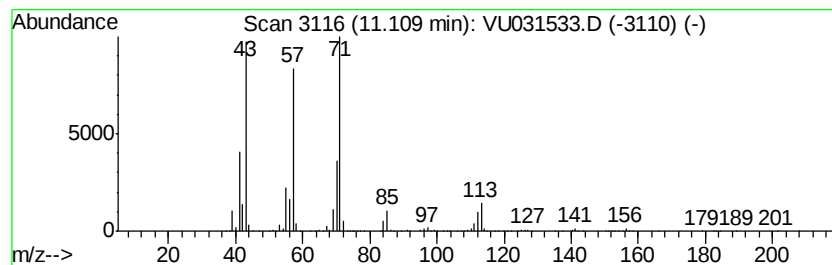
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	34.73 ug/L	1678000	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2		Decane, 4-methyl-	156	C11H24	002847-72-5	83
3		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	78
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

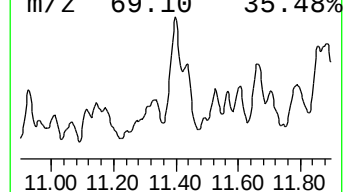
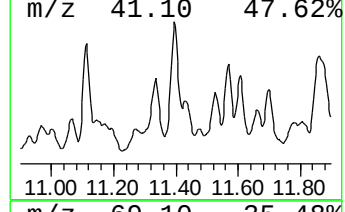
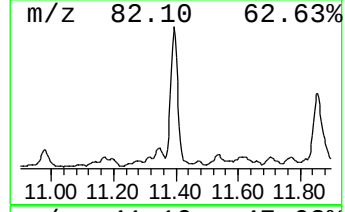
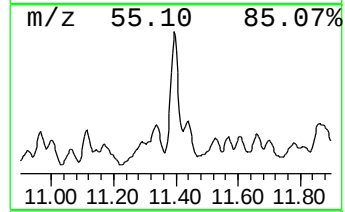
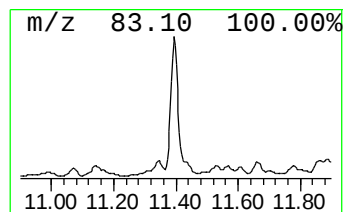
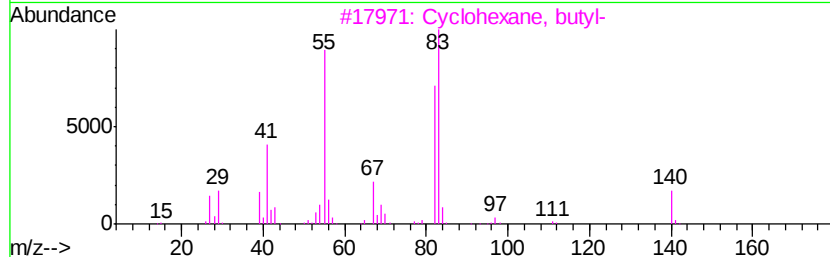
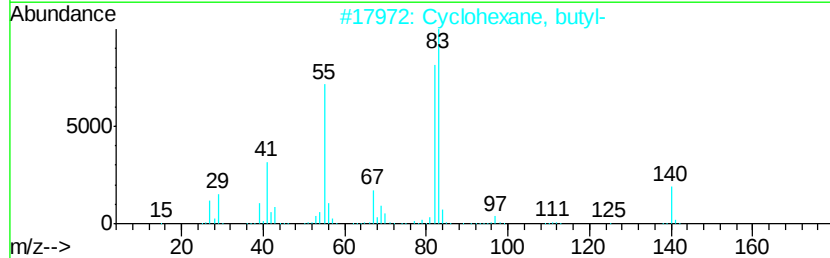
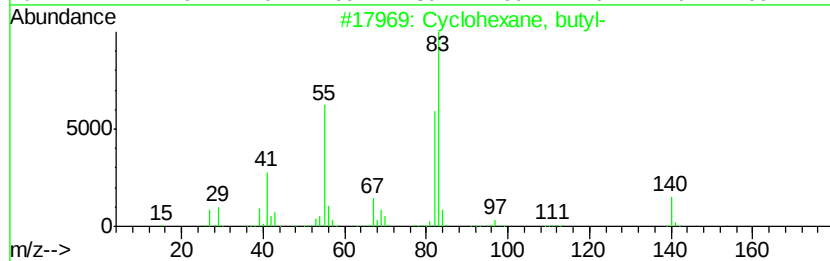
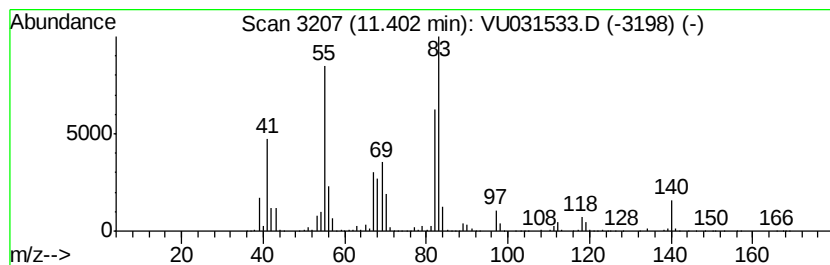
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic11.40 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	40.79 ug/L	1970910	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

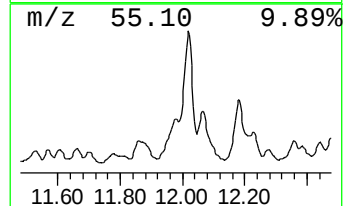
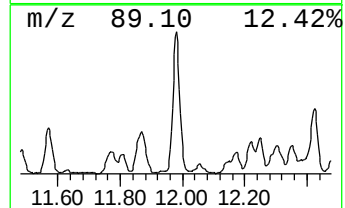
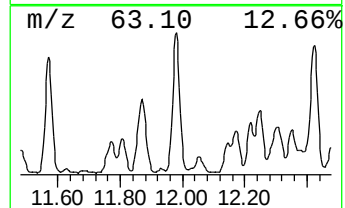
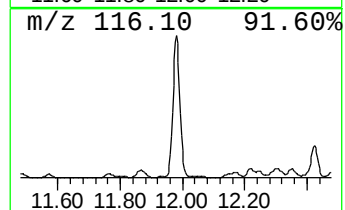
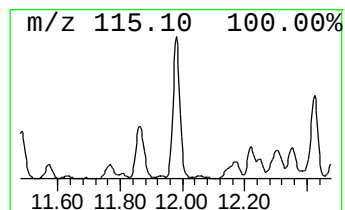
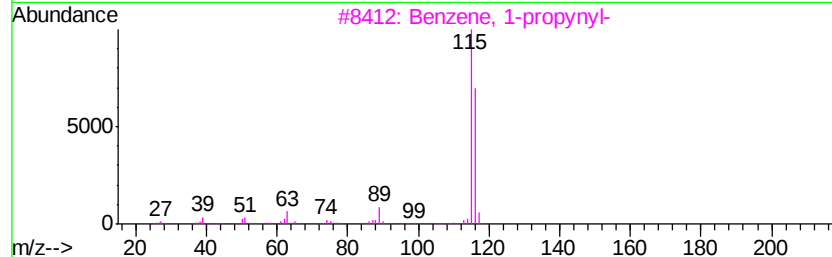
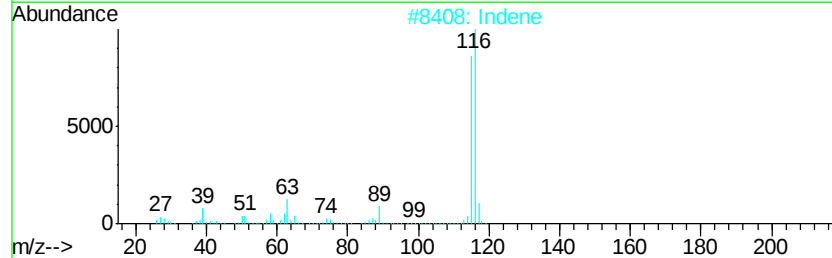
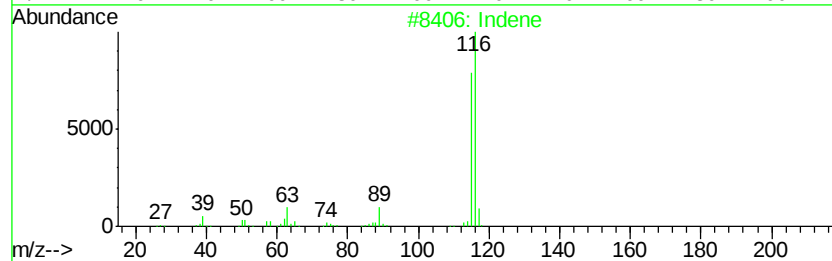
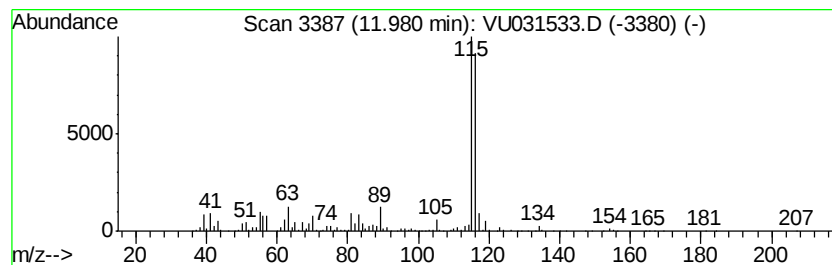
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Quant Title : VOC Analysis

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

Peak Number 13 Indene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	56.56 ug/L	2732600	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Indene	116	C9H8	000095-13-6	95
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4		3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031533.D
 Acq On : 26 Apr 2019 15:19
 Operator : JC/SP
 Sample : K2481-20ME
 Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHX3ME

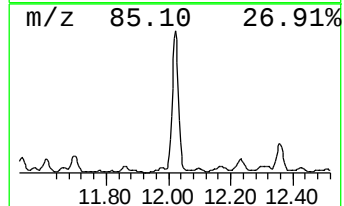
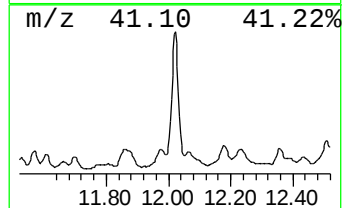
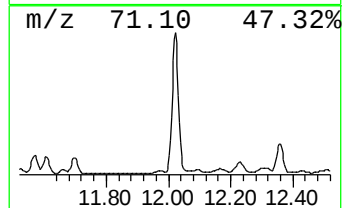
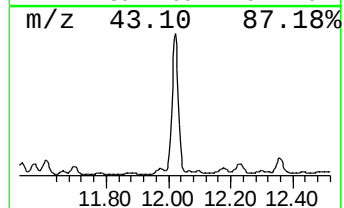
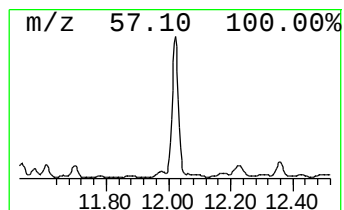
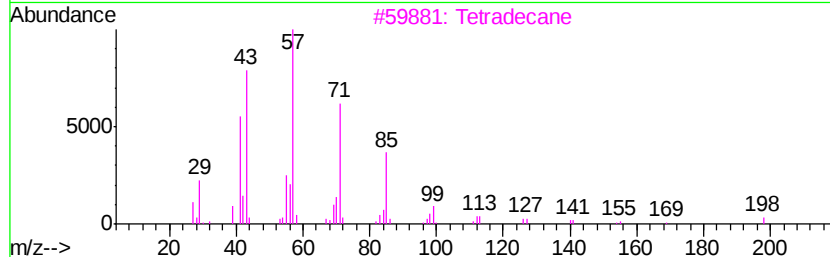
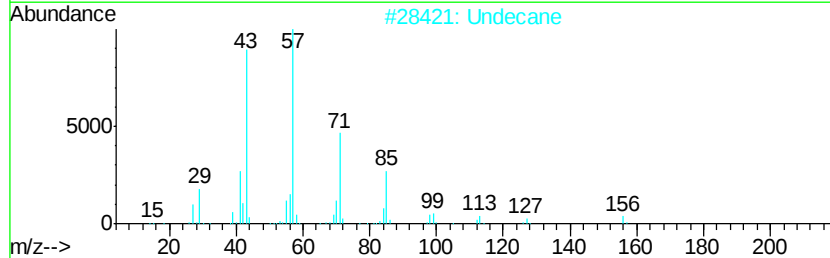
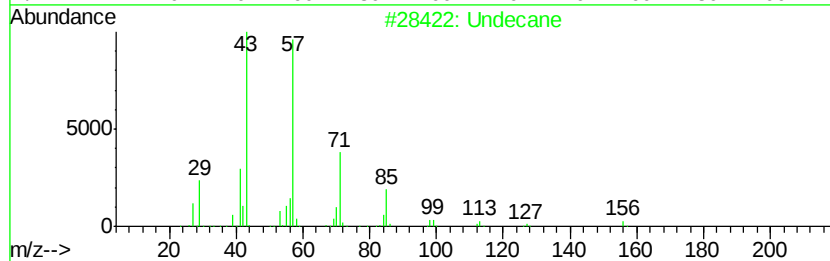
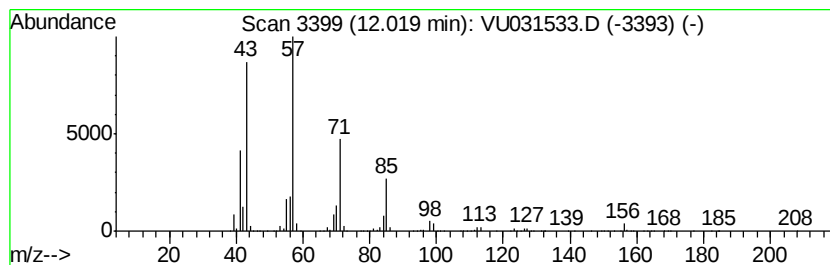
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 Quant Title : VOC Analysis

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

 Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	150.34 ug/L	7263830	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	93
2		Undecane	156	C11H24	001120-21-4	91
3		Tetradecane	198	C14H30	000629-59-4	90
4		Tridecane	184	C13H28	000629-50-5	86
5		Tridecane	184	C13H28	000629-50-5	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

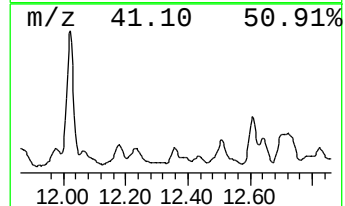
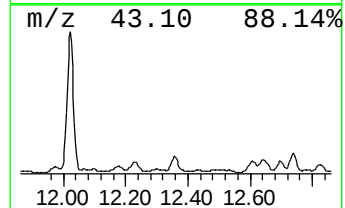
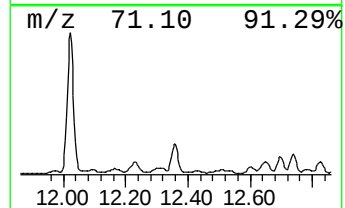
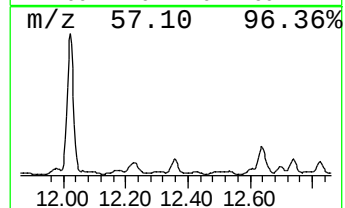
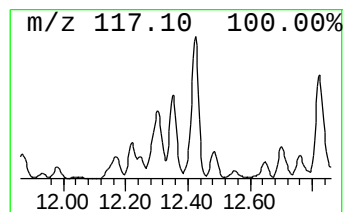
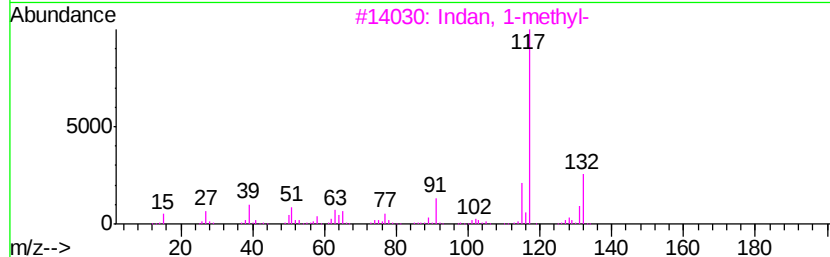
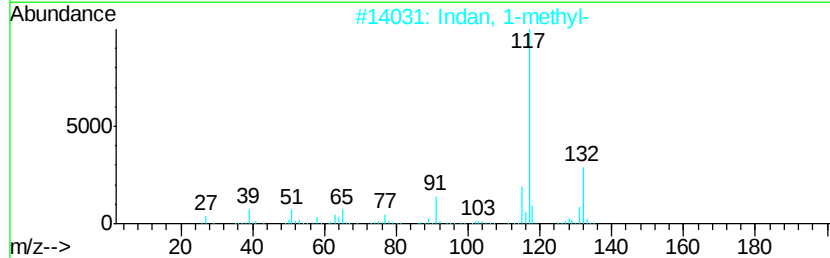
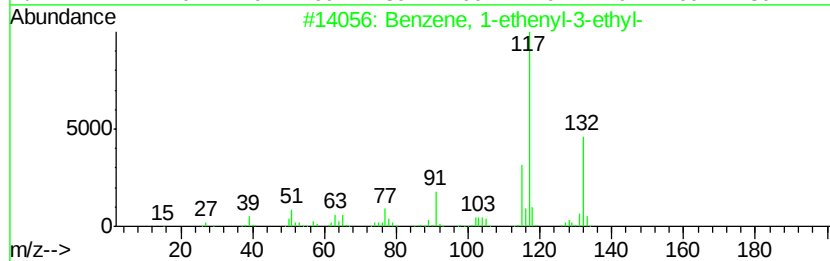
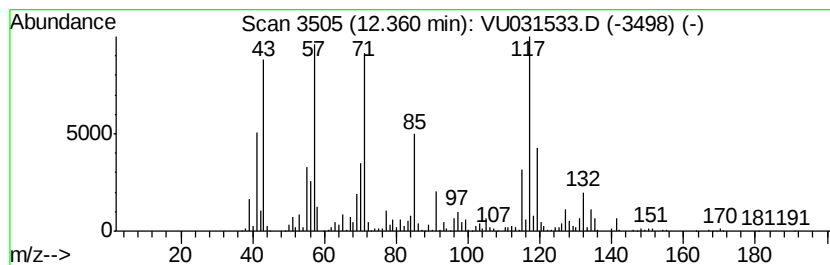
Instrument :
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ClientSampleId :
GAHX3ME

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

Peak Number 15 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	39.92 ug/L	1928580	1,4-Dichlorobenzene-d4	11.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4 43
2		Indan, 1-methyl-	132 C10H12	000767-58-8 41
3		Indan, 1-methyl-	132 C10H12	000767-58-8 41
4		Decane, 3,7-dimethyl-	170 C12H26	017312-54-8 38
5		(E)-1-Phenyl-1-butene	132 C10H12	001005-64-7 30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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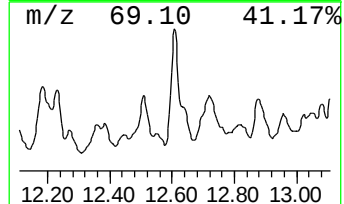
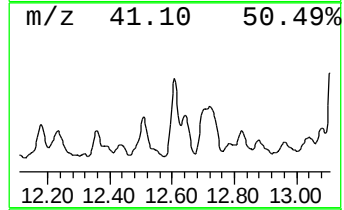
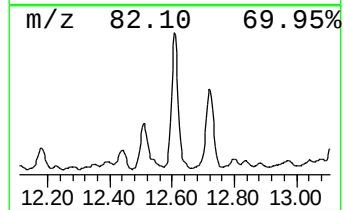
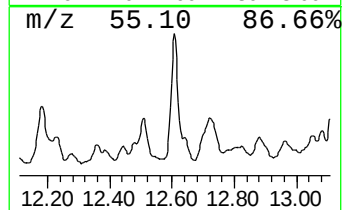
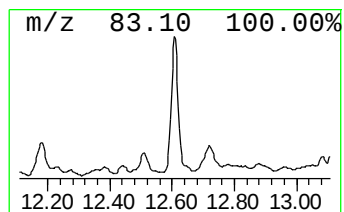
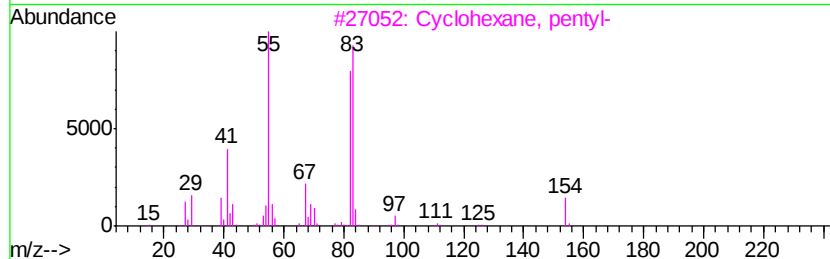
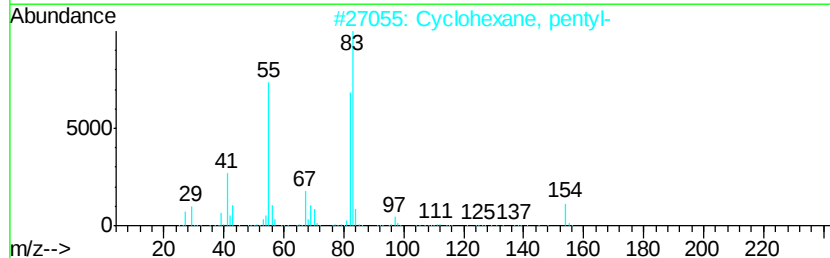
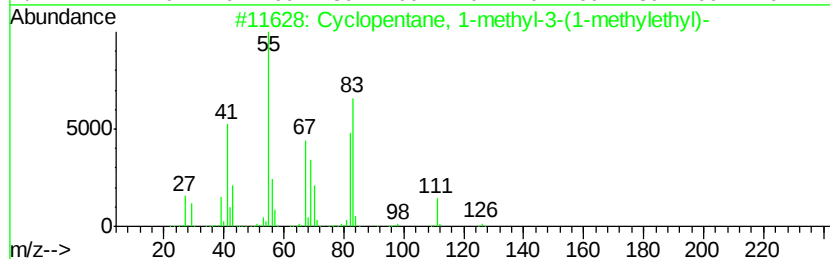
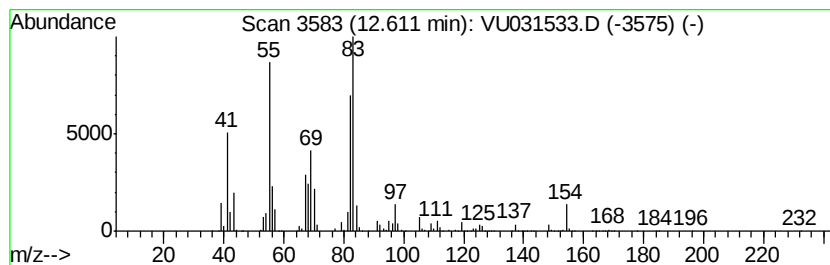
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic12.61 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	71.56 ug/L	3457610	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	64
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

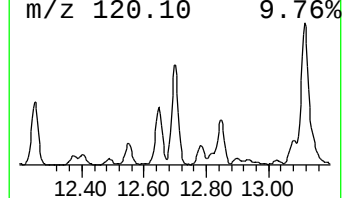
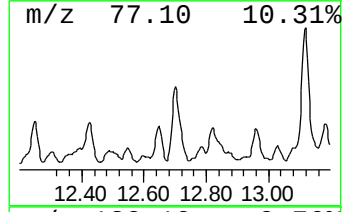
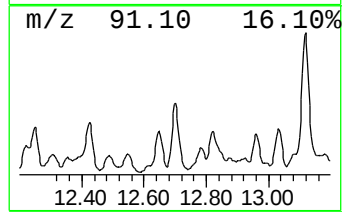
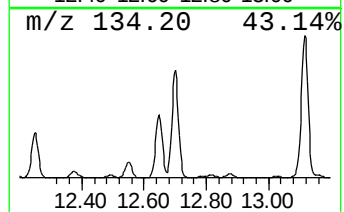
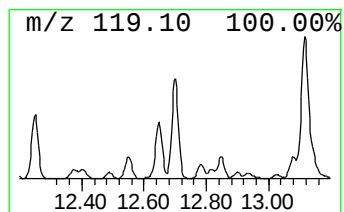
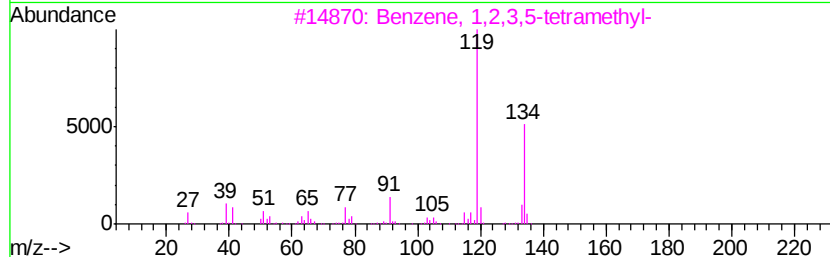
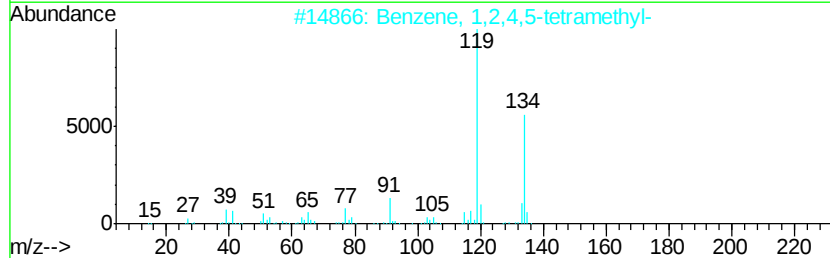
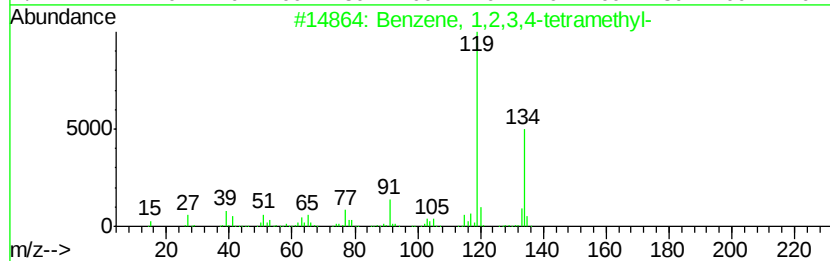
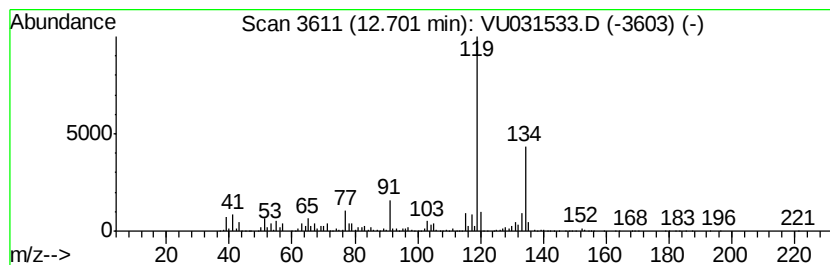
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	234.07 ug/L	11309500	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02a/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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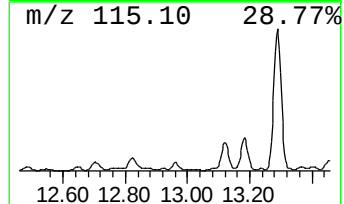
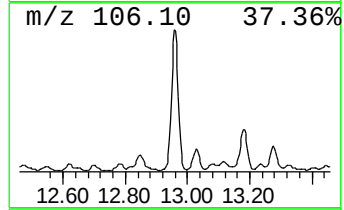
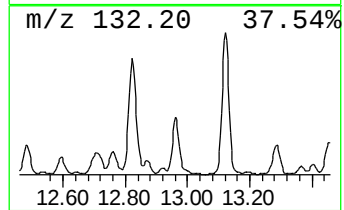
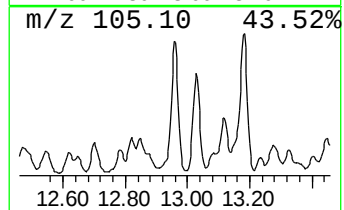
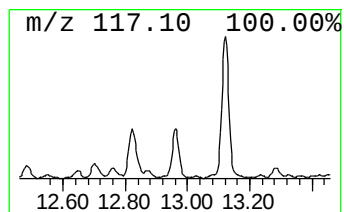
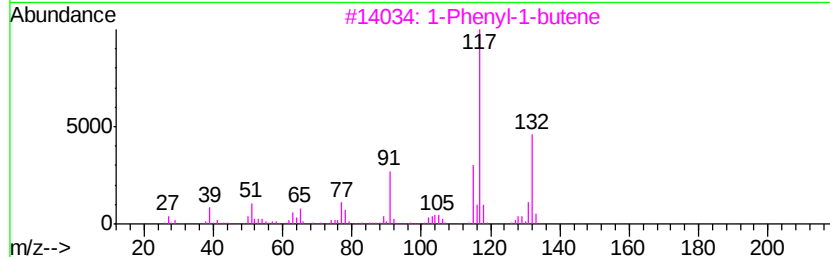
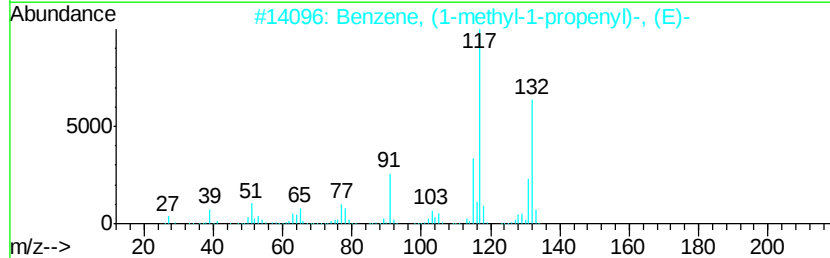
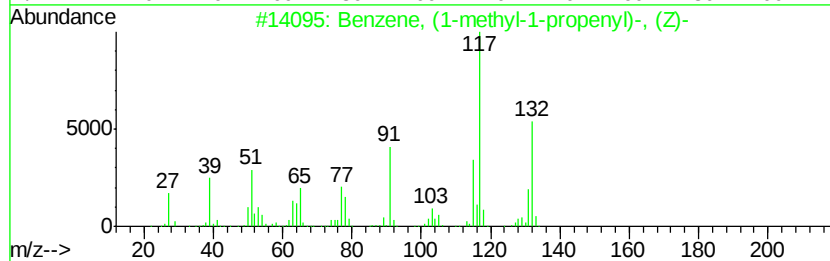
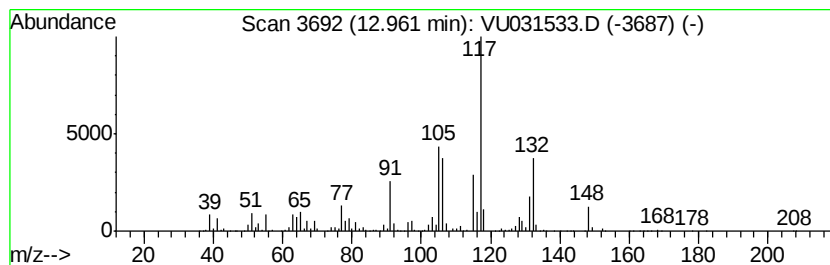
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, (1-methyl-1-propen... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	64.58 ug/L	3120350	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	94
2		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	93
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	93
4		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02uL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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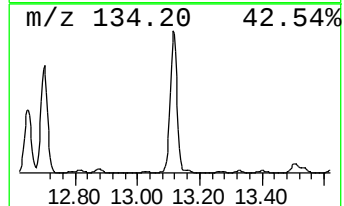
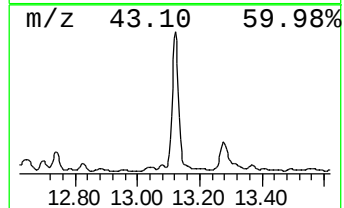
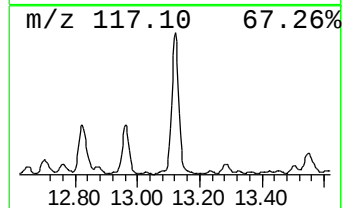
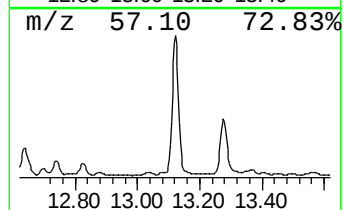
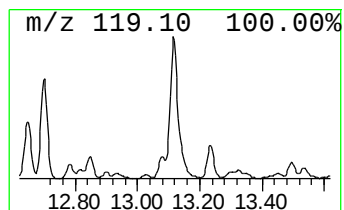
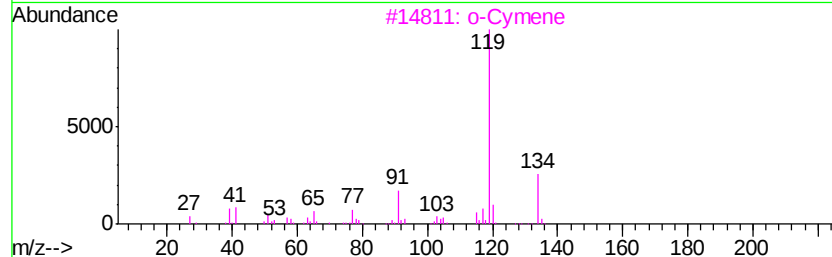
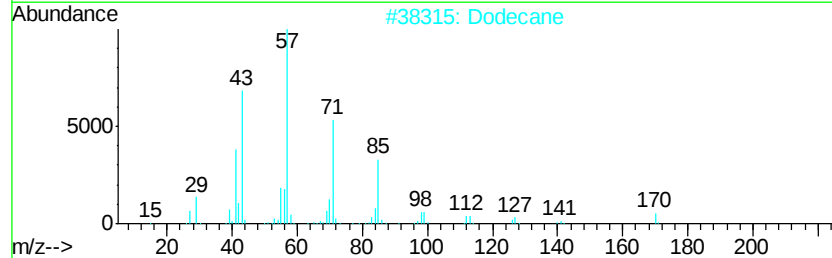
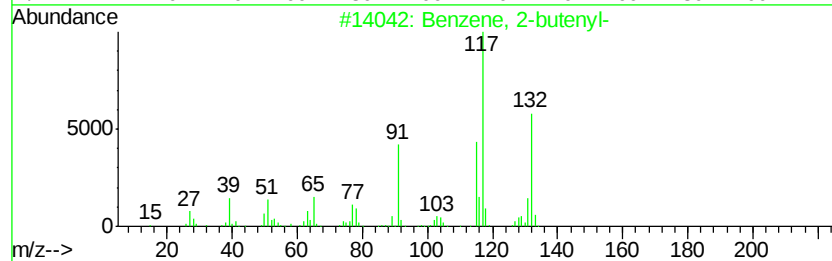
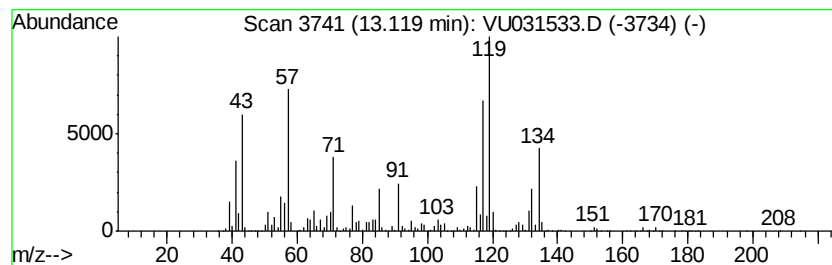
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 2-butenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	404.71 ug/L	19554100	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	66
2		Dodecane	170	C12H26	000112-40-3	53
3		o-Cymene	134	C10H14	000527-84-4	50
4		o-Cymene	134	C10H14	000527-84-4	50
5		o-Cymene	134	C10H14	000527-84-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

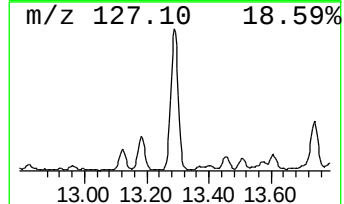
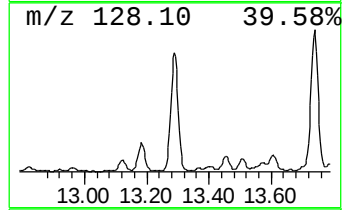
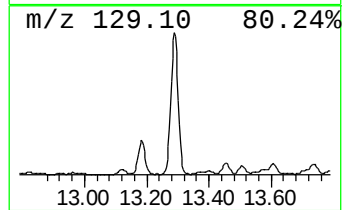
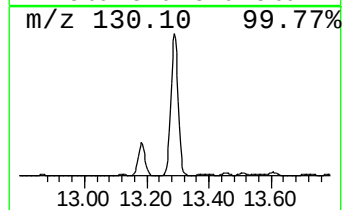
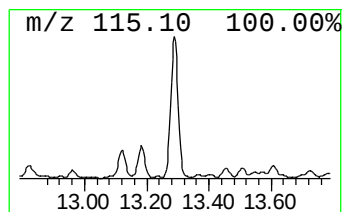
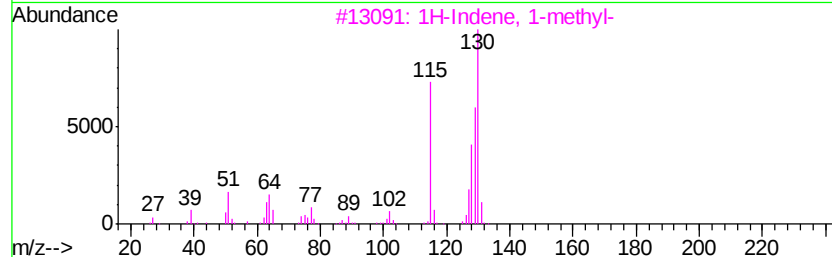
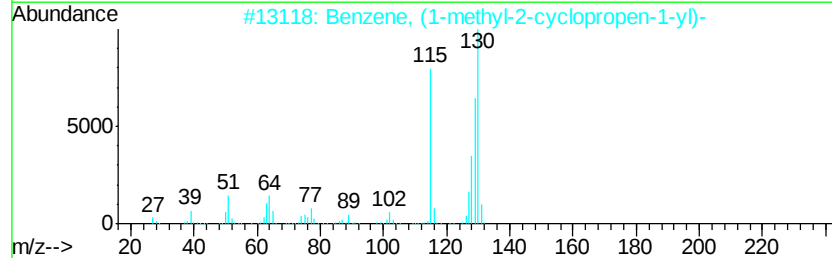
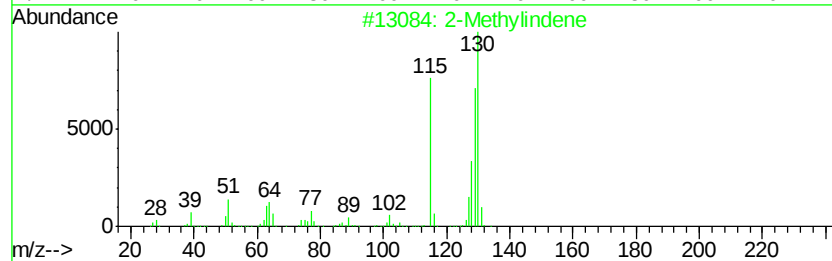
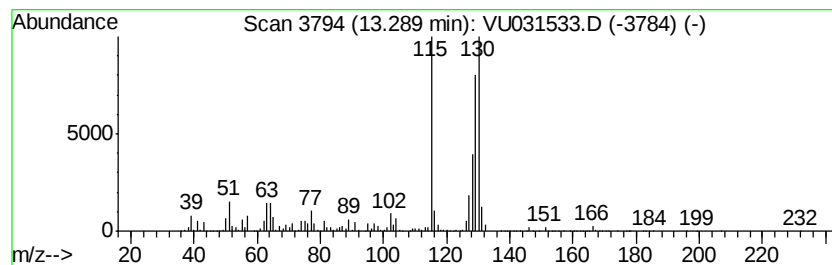
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Quant Title : VOC Analysis

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

Peak Number 20 2-Methylindene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	516.22 ug/L	24942100	1,4-Dichlorobenzene-d4	11.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene		130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...		130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-		130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-		130	C10H10	000767-59-9	96
5	Benzene, 1-butyryl-		130	C10H10	000622-76-4	96



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031533.D
 Acq On : 26 Apr 2019 15:19
 Operator : JC/SP
 Sample : K2481-20ME
 Misc : 5.02uL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
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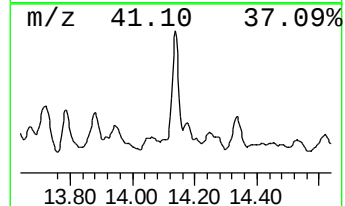
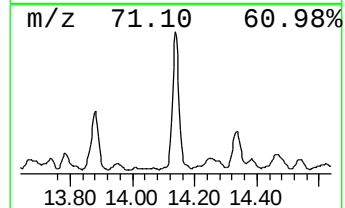
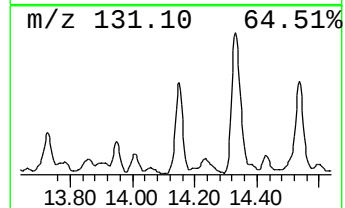
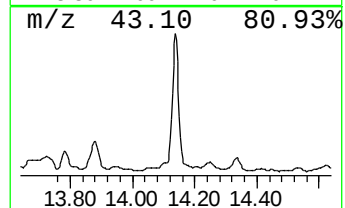
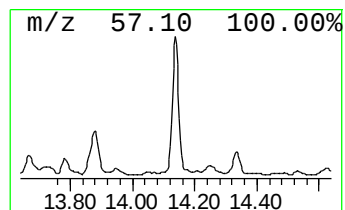
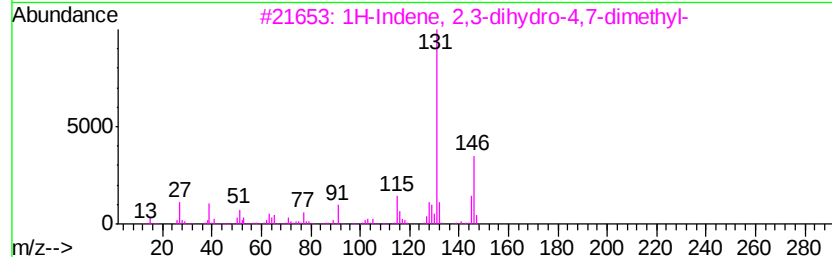
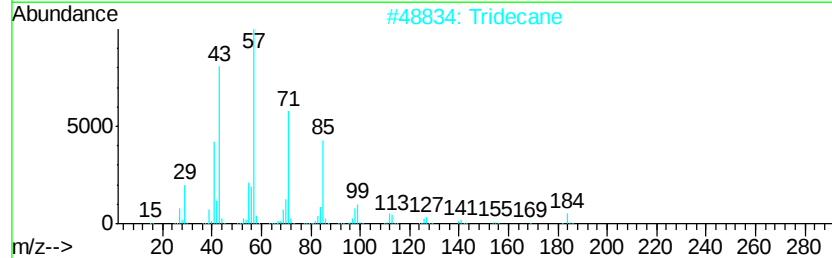
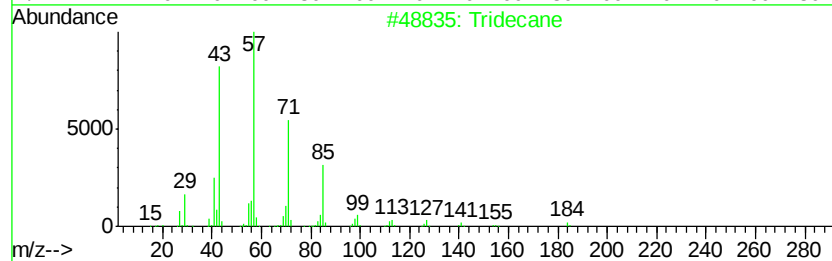
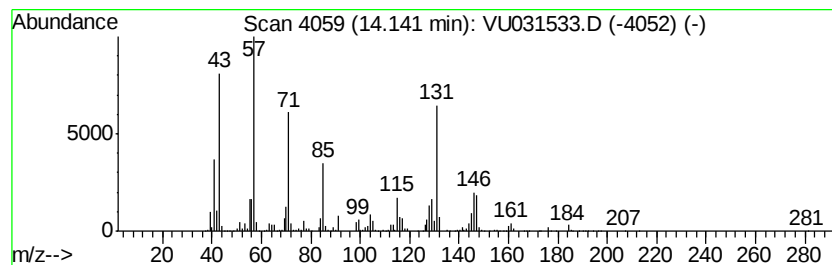
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 Quant Title : VOC Analysis

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

 Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	163.75 ug/L	7911680	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	83
2		Tridecane	184	C13H28	000629-50-5	53
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
4		Tridecane	184	C13H28	000629-50-5	46
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

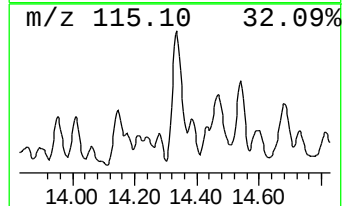
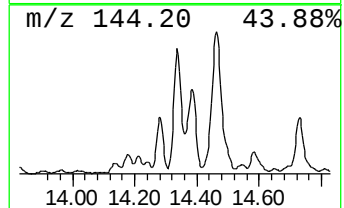
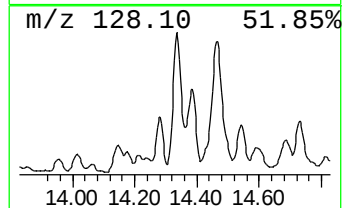
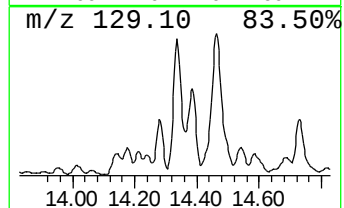
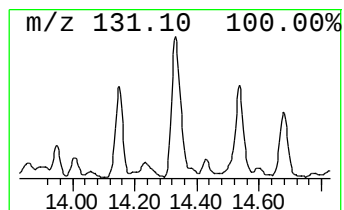
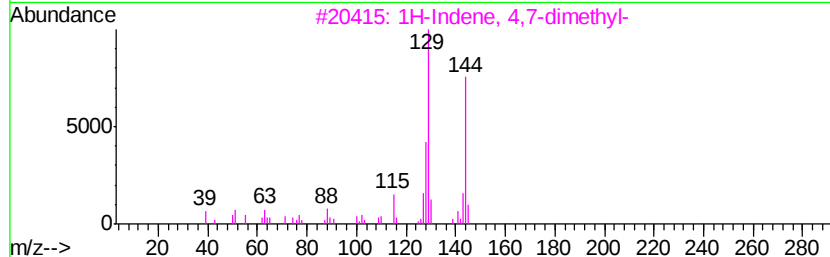
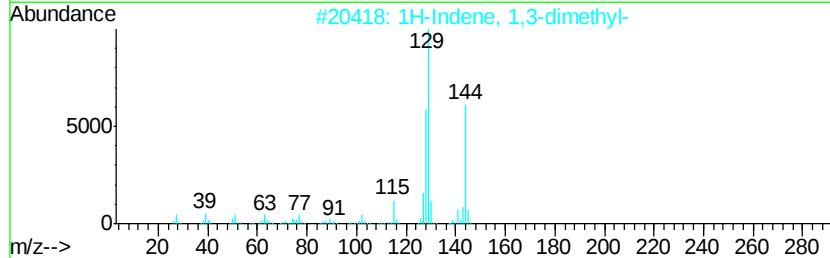
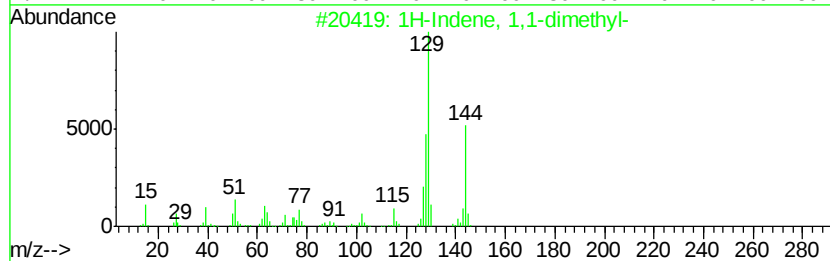
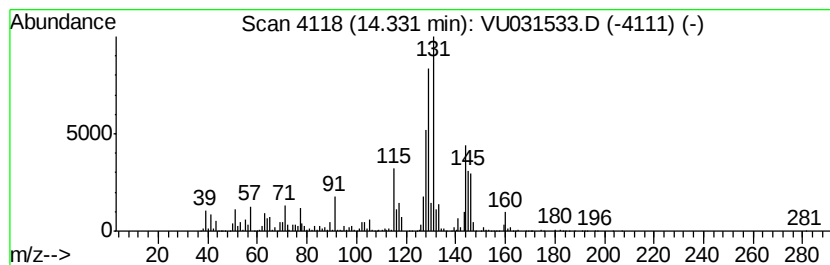
Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

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Quant Title : VOC Analysis

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

Peak Number 22 1H-Indene, 1,1-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.33	298.57 ug/L	14426100	1,4-Dichlorobenzene-d4	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	55
3	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	55
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	50
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	46



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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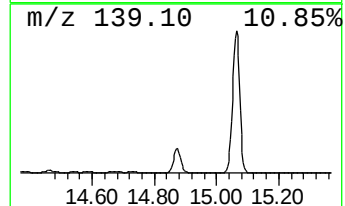
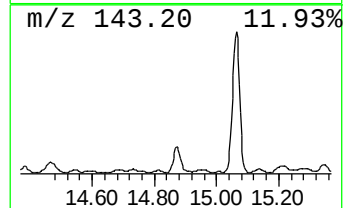
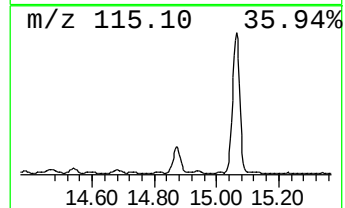
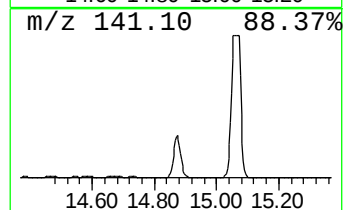
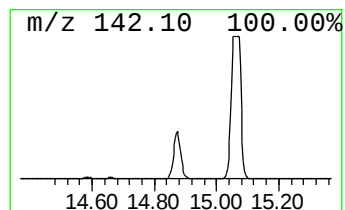
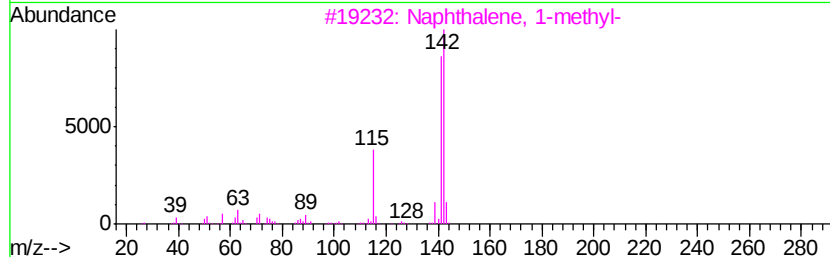
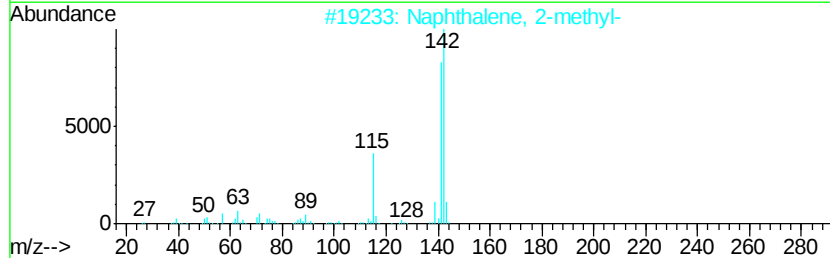
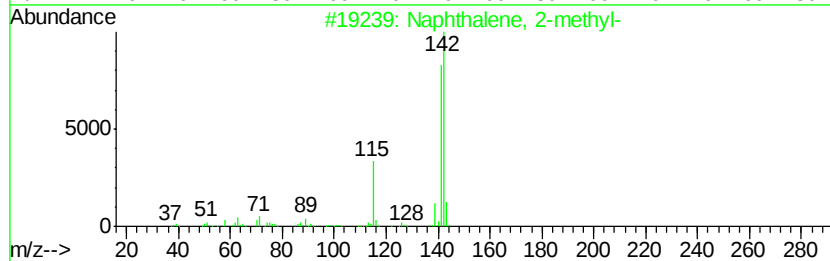
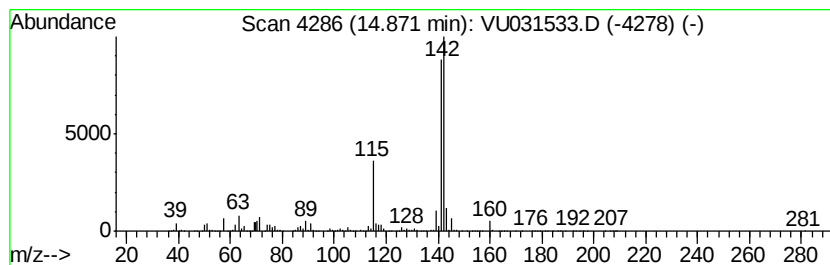
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Quant Title : VOC Analysis

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

Peak Number 23 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	339.97 ug/L	16426000	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02uL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

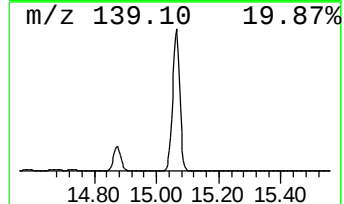
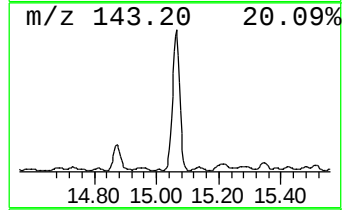
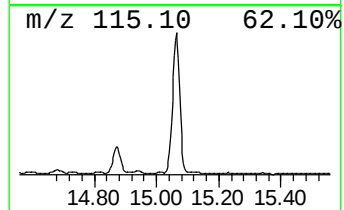
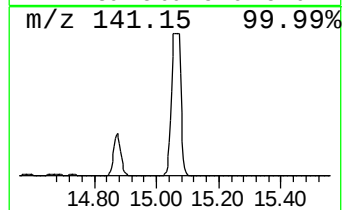
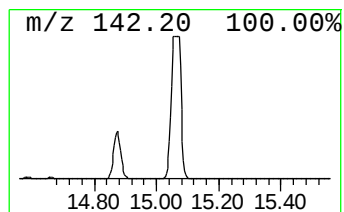
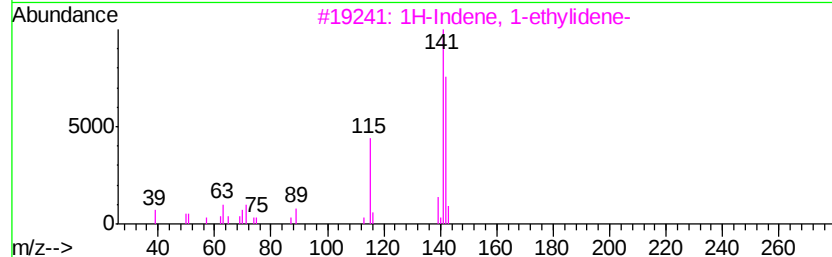
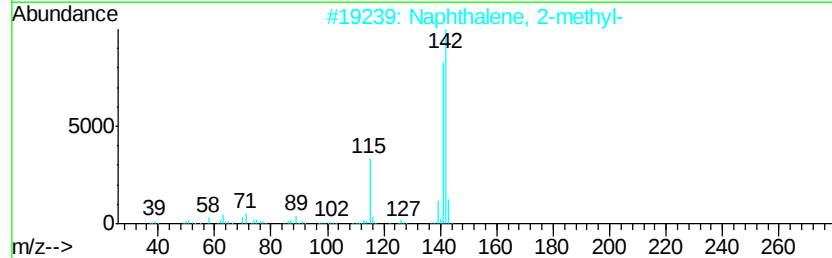
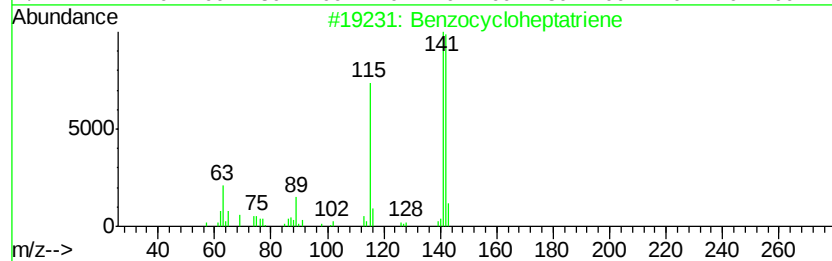
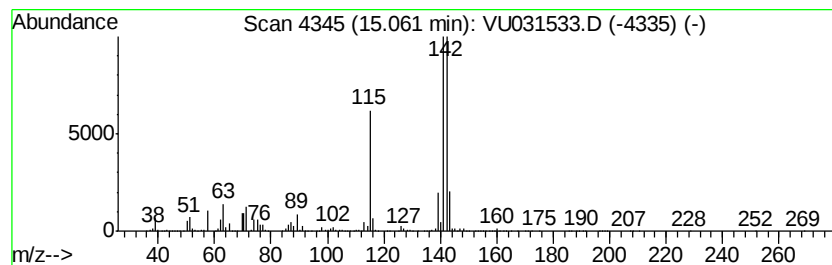
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Quant Title : VOC Analysis

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

Peak Number 24 Benzocycloheptatriene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	1758.05 ug/L	84943500	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzocycloheptatriene	142	C11H10	000264-09-5	93
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	90
4		Benzocycloheptatriene	142	C11H10	000264-09-5	90
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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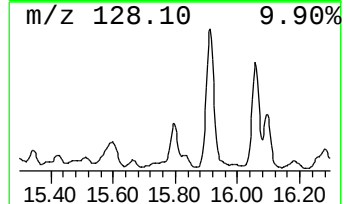
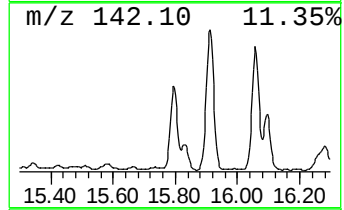
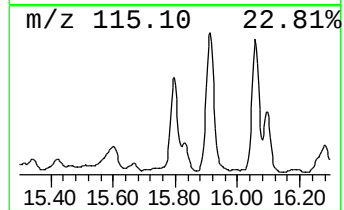
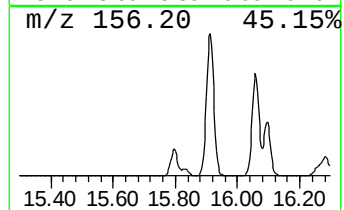
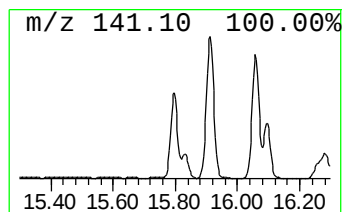
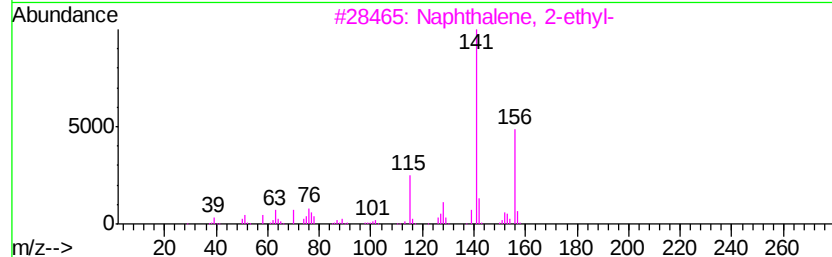
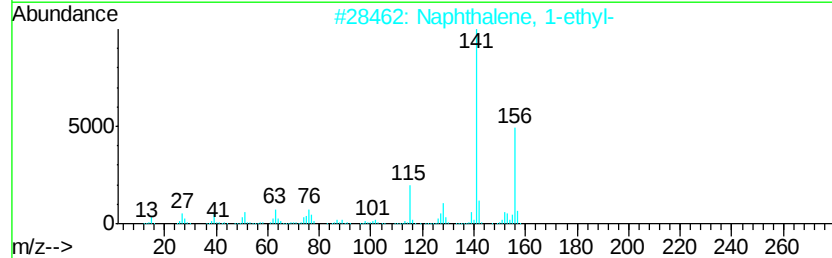
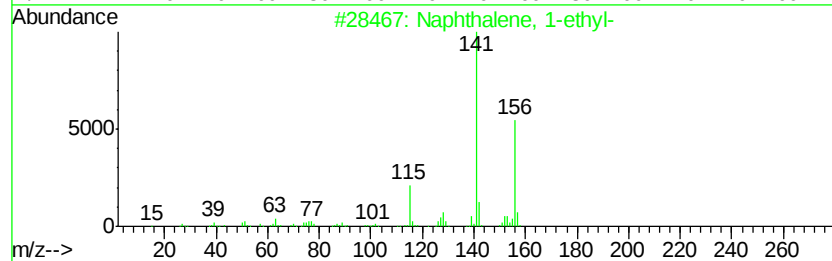
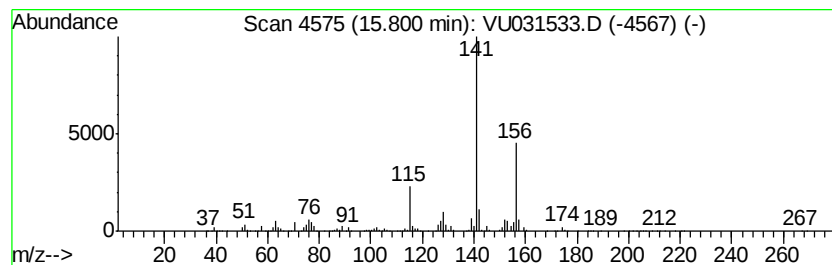
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Quant Title : VOC Analysis

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

Peak Number 25 Naphthalene, 1-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	157.14 ug/L	7592300	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

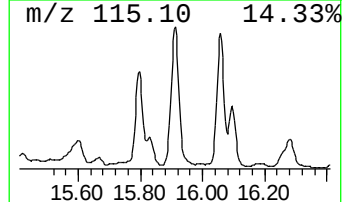
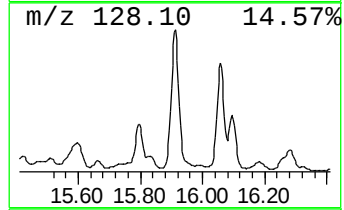
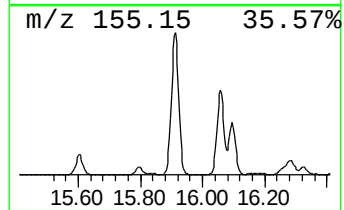
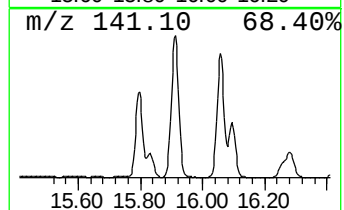
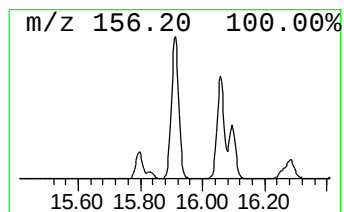
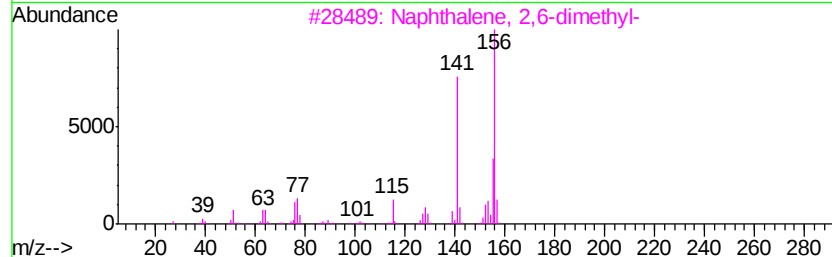
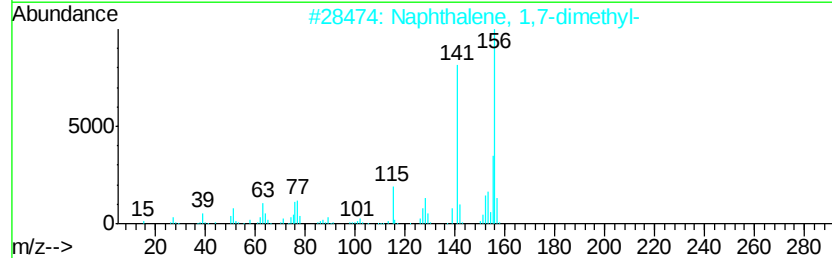
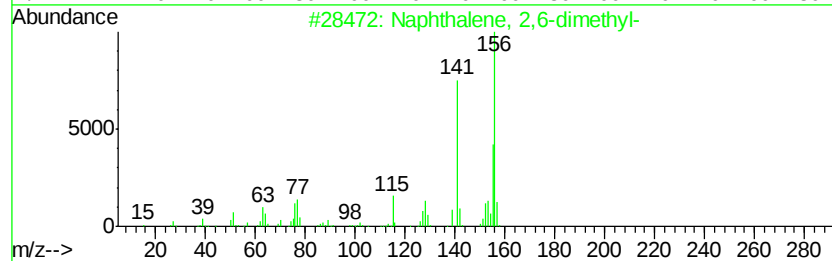
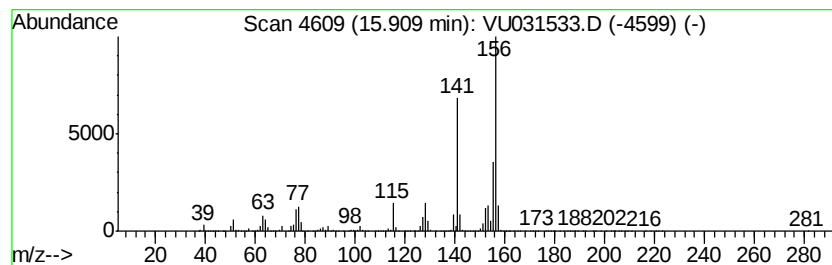
Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

Peak Number 26 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.91	696.41 ug/L	33648300	1,4-Dichlorobenzene-d4	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02uL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

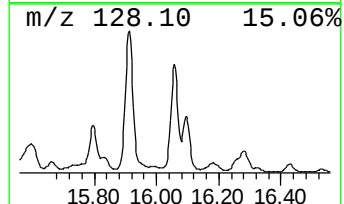
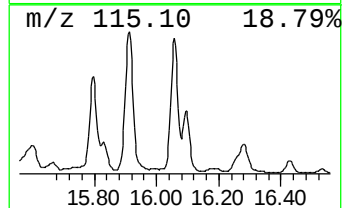
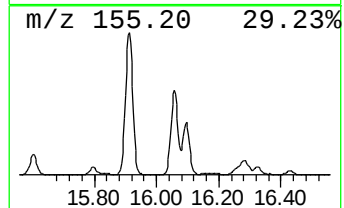
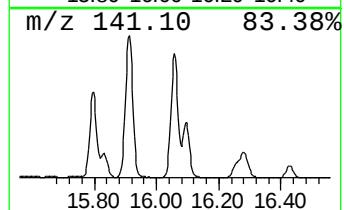
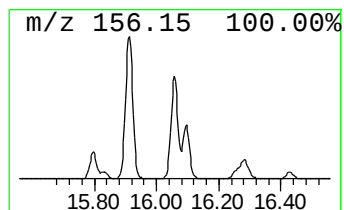
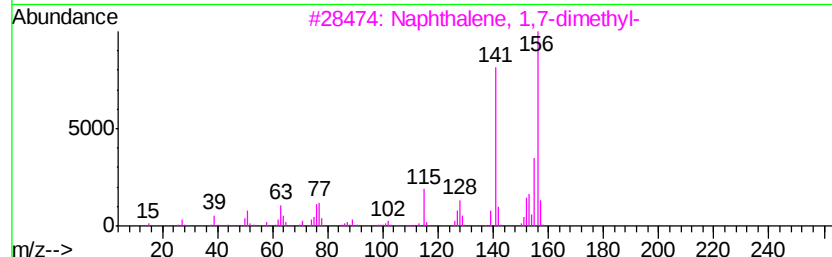
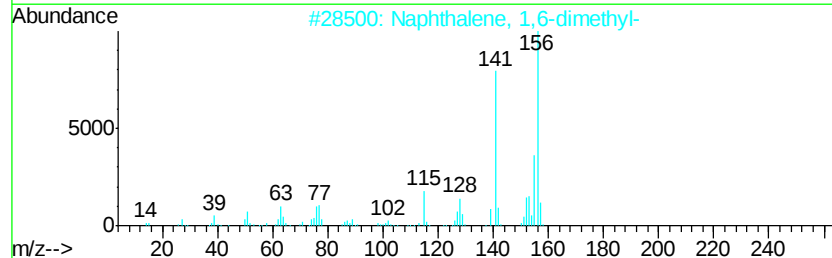
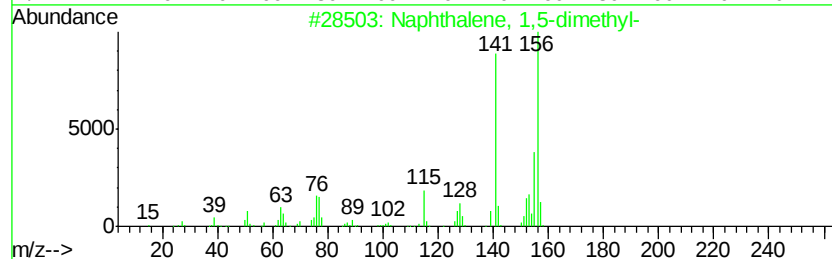
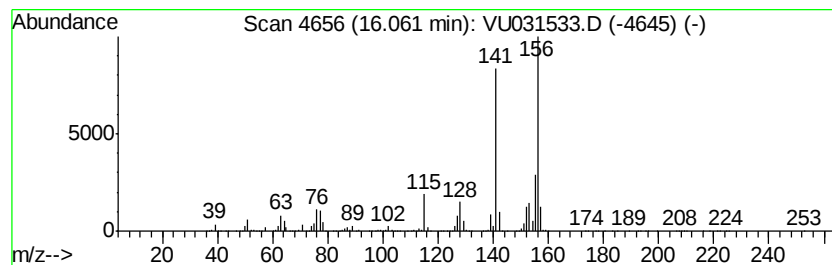
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Quant Title : VOC Analysis

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

Peak Number 27 Naphthalene, 1,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	472.95 ug/L	22851300	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

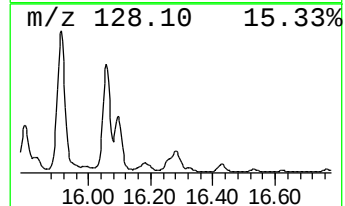
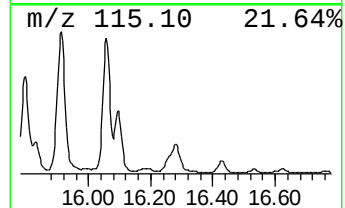
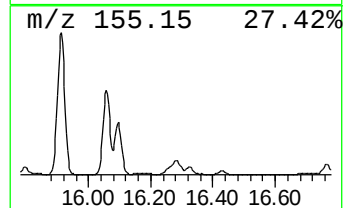
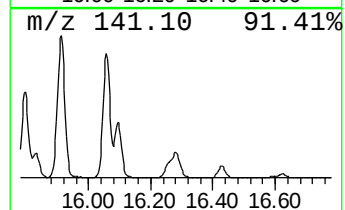
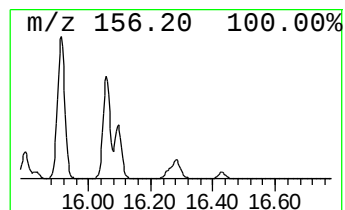
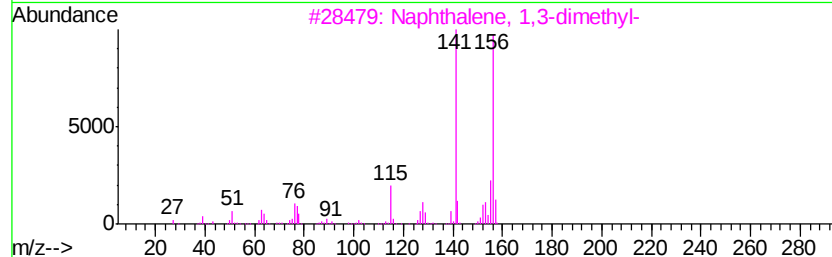
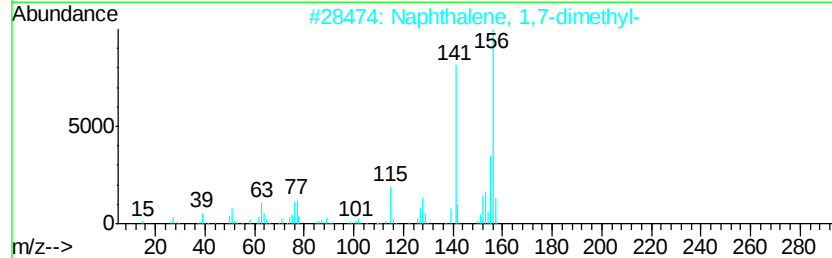
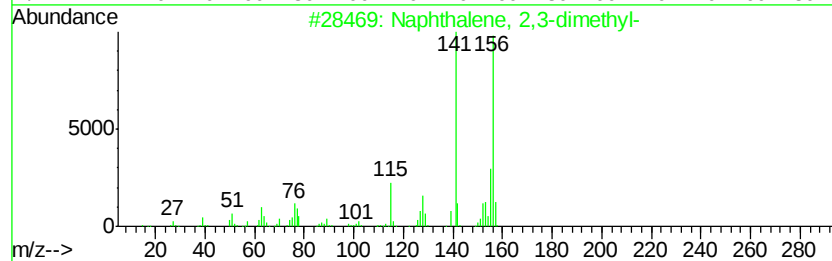
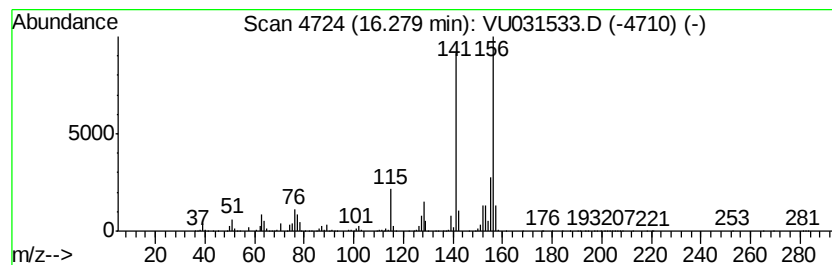
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Quant Title : VOC Analysis

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

Peak Number 28 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	121.85 ug/L	5887350	1,4-Dichlorobenzene-d4	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

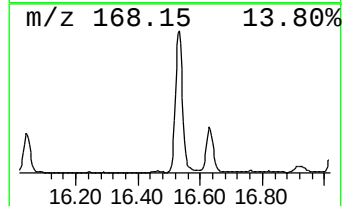
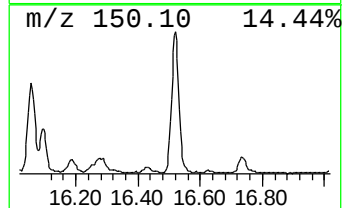
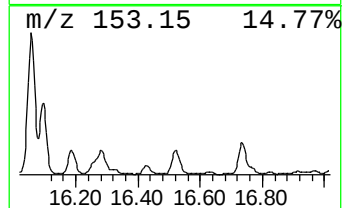
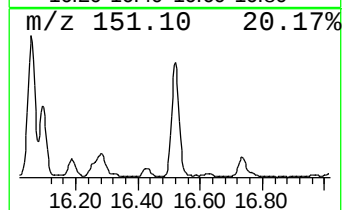
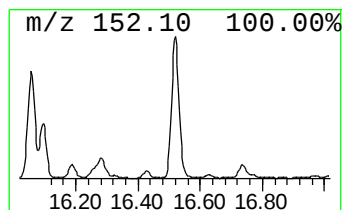
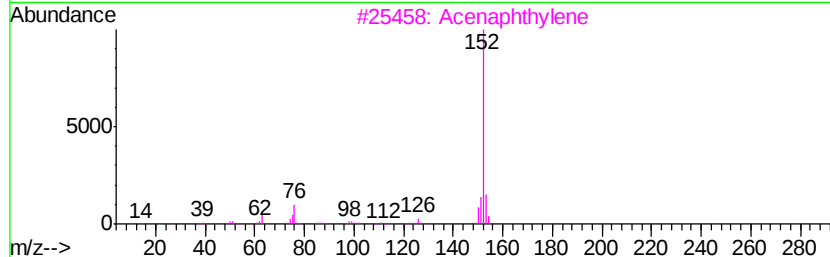
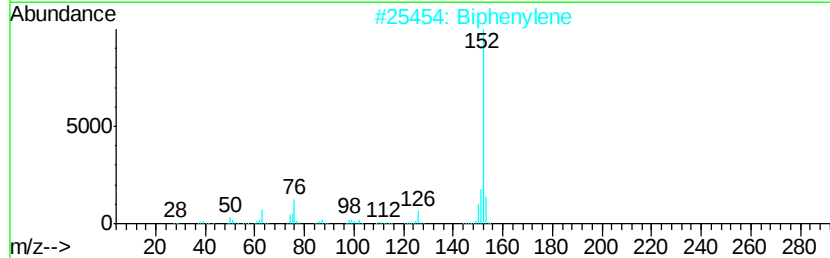
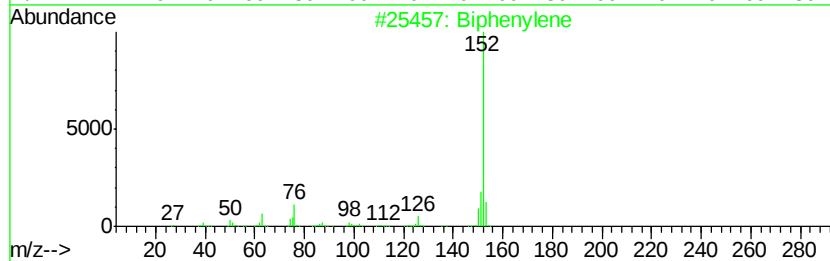
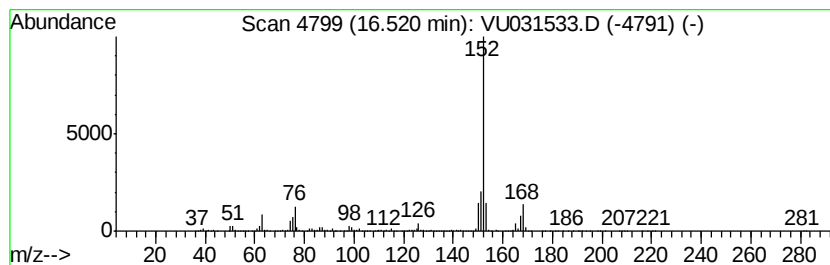
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Quant Title : VOC Analysis

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

Peak Number 30 Biphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	61.04 ug/L	2949260	1,4-Dichlorobenzene-d4	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Biphenylene	152	C12H8	000259-79-0	93
2			Biphenylene	152	C12H8	000259-79-0	89
3			Acenaphthylene	152	C12H8	000208-96-8	76
4			Acenaphthylene	152	C12H8	000208-96-8	64
5			1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031533.D
Acq On : 26 Apr 2019 15:19
Operator : JC/SP
Sample : K2481-20ME
Misc : 5.02µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX3ME

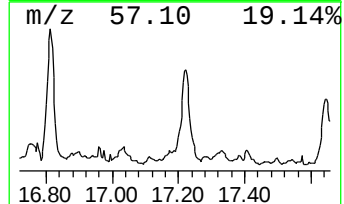
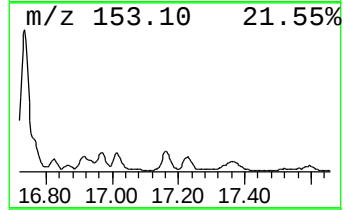
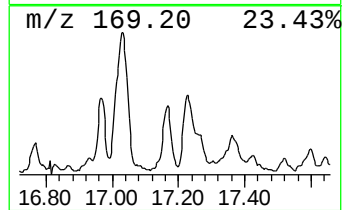
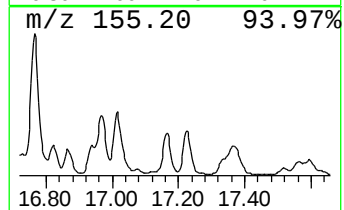
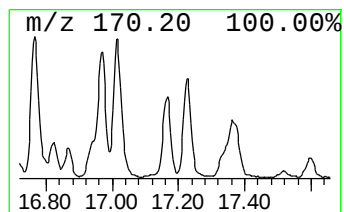
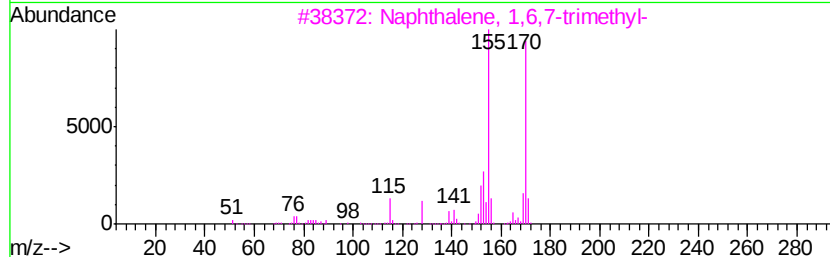
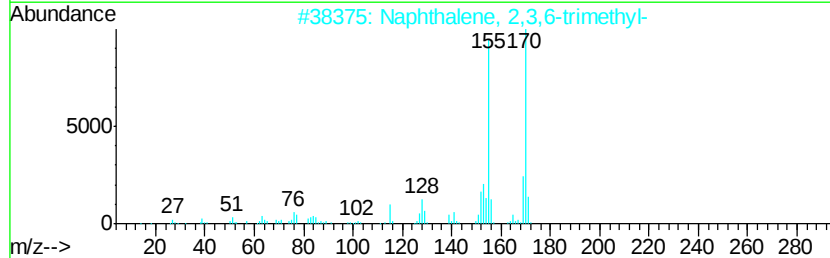
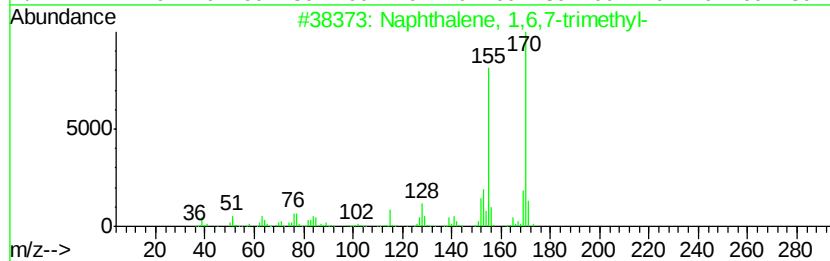
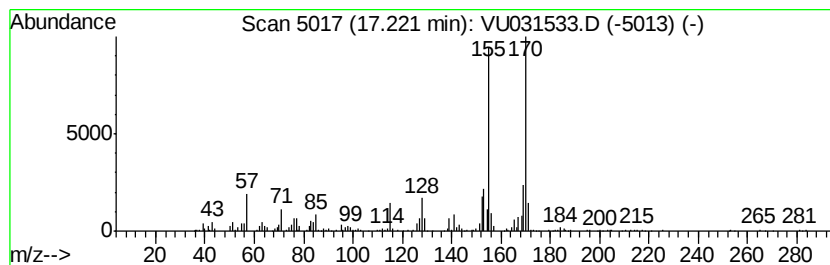
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

Peak Number 31 Naphthalene, 1,6,7-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	6.74 ug/L	325661	1,4-Dichlorobenzene-d4	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042719\
 Data File : VU031533.D
 Acq On : 26 Apr 2019 15:19
 Operator : JC/SP
 Sample : K2481-20ME
 Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHX3ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.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...	9.44	13.8	ug/L	726244	2	9.09	2636100	50.0
(DEL) Alkane: Cyc...	9.72	4.6	ug/L	241150	2	9.09	2636100	50.0
(DEL) Alkane: Str...	9.95	20.4	ug/L	1077130	2	9.09	2636100	50.0
Cyclohexanone, 2,...	10.04	11.8	ug/L	619872	2	9.09	2636100	50.0
(DEL) Alkane: Cyc...	10.09	13.7	ug/L	724532	2	9.09	2636100	50.0
Benzene, 1,2,3-tr...	10.77	92.9	ug/L	4490700	3	11.49	2415840	50.0
(DEL) Alkane: Str...	10.81	78.1	ug/L	3772630	3	11.49	2415840	50.0
Benzene, 1-ethyl-...	10.97	44.6	ug/L	2153010	3	11.49	2415840	50.0
(DEL) Alkane: Str...	11.11	34.7	ug/L	1678000	3	11.49	2415840	50.0
(DEL) Alkane: Cyc...	11.40	40.8	ug/L	1970910	3	11.49	2415840	50.0
Indene	11.98	56.6	ug/L	2732600	3	11.49	2415840	50.0
(DEL) Alkane: Str...	12.02	150.3	ug/L	7263830	3	11.49	2415840	50.0
unknown-01	12.36	39.9	ug/L	1928580	3	11.49	2415840	50.0
(DEL) Alkane: Cyc...	12.61	71.6	ug/L	3457610	3	11.49	2415840	50.0
Benzene, 1,2,3,4-...	12.70	234.1	ug/L	11309500	3	11.49	2415840	50.0
Benzene, (1-methy...	12.96	64.6	ug/L	3120350	3	11.49	2415840	50.0
Benzene, 2-butenyl-	13.12	404.7	ug/L	19554100	3	11.49	2415840	50.0
2-Methylindene	13.29	516.2	ug/L	24942100	3	11.49	2415840	50.0
(DEL) Alkane: Str...	14.14	163.8	ug/L	7911680	3	11.49	2415840	50.0
1H-Indene, 1,1-di...	14.33	298.6	ug/L	14426100	3	11.49	2415840	50.0
Naphthalene, 1-me...	14.87	340.0	ug/L	16426000	3	11.49	2415840	50.0
Benzocycloheptatr...	15.06	1758.1	ug/L	84943500	3	11.49	2415840	50.0
Naphthalene, 1-et...	15.80	157.1	ug/L	7592300	3	11.49	2415840	50.0
Naphthalene, 2,6-...	15.91	696.4	ug/L	33648300	3	11.49	2415840	50.0
Naphthalene, 1,5-...	16.06	472.9	ug/L	22851300	3	11.49	2415840	50.0
Naphthalene, 2,3-...	16.28	121.8	ug/L	5887350	3	11.49	2415840	50.0
Biphenylene	16.52	61.0	ug/L	2949260	3	11.49	2415840	50.0
Naphthalene, 1,6,...	17.22	6.7	ug/L	325661	3	11.49	2415840	50.0