

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053019\
 Data File : VU032385.D
 Acq On : 30 May 2019 16:34
 Operator : JC/SP
 Sample : VIBLK40
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK40

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\SOMULM052819WMA.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	25	28	38	rVB2	13191	13115	0.46%	0.049%
2	1.395	89	95	105	rBV	354185	370053	13.09%	1.373%
3	1.669	172	180	198	rVB	281122	373103	13.20%	1.385%
4	2.267	356	366	379	rVB	625956	940708	33.27%	3.491%
5	2.392	402	405	409	rVB4	1822	1128	0.04%	0.004%
6	2.450	416	423	439	rVV3	7691	16350	0.58%	0.061%
7	2.598	467	469	472	rBV3	848	517	0.02%	0.002%
8	2.669	488	491	494	rBV3	743	573	0.02%	0.002%
9	2.698	494	500	503	rBV3	2422	2775	0.10%	0.010%
10	2.756	514	518	521	rBV	921	766	0.03%	0.003%
11	2.778	521	525	528	rVV4	1012	796	0.03%	0.003%
12	2.836	528	543	563	rVV	66863	146713	5.19%	0.545%
13	2.952	575	579	582	rBV3	783	580	0.02%	0.002%
14	2.984	586	589	592	rBV3	698	485	0.02%	0.002%
15	3.093	619	623	627	rBV3	871	637	0.02%	0.002%
16	3.167	642	646	651	rVB3	715	633	0.02%	0.002%
17	3.611	780	784	786	rBV2	759	549	0.02%	0.002%
18	3.707	809	814	817	rBV2	501	478	0.02%	0.002%
19	3.743	820	825	829	rBV3	650	587	0.02%	0.002%
20	3.768	831	833	841	rVB2	505	499	0.02%	0.002%
21	3.823	847	850	857	rBV2	916	983	0.03%	0.004%
22	4.010	904	908	914	rBV2	413	476	0.02%	0.002%
23	4.109	932	939	942	rBV3	557	631	0.02%	0.002%
24	4.125	942	944	947	rBV2	663	517	0.02%	0.002%
25	4.177	947	960	995	rBV	253792	714615	25.27%	2.652%
26	4.456	1043	1047	1050	rVB3	1268	991	0.04%	0.004%
27	4.569	1078	1082	1084	rBV3	803	704	0.02%	0.003%
28	4.643	1084	1105	1134	rBV	461018	1095111	38.73%	4.064%
29	4.762	1139	1142	1146	rBV3	1086	1084	0.04%	0.004%
30	4.865	1170	1174	1176	rBV	981	880	0.03%	0.003%
31	4.974	1204	1208	1209	rBV2	967	653	0.02%	0.002%
32	5.067	1233	1237	1241	rVB3	897	581	0.02%	0.002%
33	5.180	1267	1272	1276	rBV3	953	906	0.03%	0.003%
34	5.225	1280	1286	1290	rVB2	543	476	0.02%	0.002%

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 Title : VOC Analysis

35	5.334	1297	1320	1341	rBV2	969774	2827493	100.00%	10.494%
36	5.588	1396	1399	1404	rVB3	1192	948	0.03%	0.004%
37	5.620	1404	1409	1412	rBV3	805	731	0.03%	0.003%
38	5.733	1442	1444	1447	rBV2	940	615	0.02%	0.002%
39	5.755	1447	1451	1454	rBV4	950	761	0.03%	0.003%
40	5.881	1474	1490	1523	rBV	900173	1842180	65.15%	6.837%
41	6.071	1546	1549	1552	rBV2	1155	853	0.03%	0.003%
42	6.173	1572	1581	1593	rBV10	9295	22378	0.79%	0.083%
43	6.328	1613	1629	1649	rBV	617230	1252395	44.29%	4.648%
44	6.524	1687	1690	1694	rBV3	1136	972	0.03%	0.004%
45	6.588	1704	1710	1712	rBV5	990	1059	0.04%	0.004%
46	6.736	1754	1756	1760	rVB4	900	597	0.02%	0.002%
47	6.759	1760	1763	1766	rBV3	1020	790	0.03%	0.003%
48	6.871	1791	1798	1803	rBV8	2783	4041	0.14%	0.015%
49	6.913	1809	1811	1813	rVB2	1256	675	0.02%	0.003%
50	7.151	1882	1885	1888	rVB3	878	567	0.02%	0.002%
51	7.183	1888	1895	1897	rBV6	2729	3119	0.11%	0.012%
52	7.225	1897	1908	1937	rVV2	324796	590817	20.90%	2.193%
53	7.382	1955	1957	1959	rBV2	1204	509	0.02%	0.002%
54	7.405	1959	1964	1965	rBV3	1841	1276	0.05%	0.005%
55	7.472	1984	1985	1989	rVB4	1306	586	0.02%	0.002%
56	7.562	1997	2013	2034	rBV	1319868	2334307	82.56%	8.664%
57	7.845	2086	2101	2120	rBV	219173	401625	14.20%	1.491%
58	8.041	2158	2162	2165	rBV5	2243	1793	0.06%	0.007%
59	8.080	2172	2174	2177	rBV3	1427	983	0.03%	0.004%
60	8.128	2185	2189	2193	rBV5	816	929	0.03%	0.003%
61	8.225	2212	2219	2228	rVB10	2416	3854	0.14%	0.014%
62	8.308	2234	2245	2281	rBV	854225	1599047	56.55%	5.935%
63	8.604	2330	2337	2348	rVB8	9990	17761	0.63%	0.066%
64	8.755	2381	2384	2390	rVB6	3955	3654	0.13%	0.014%
65	8.810	2395	2401	2404	rBV5	4579	6125	0.22%	0.023%
66	8.910	2425	2432	2444	rVB5	13321	21077	0.75%	0.078%
67	9.032	2458	2470	2476	rBV4	19828	36294	1.28%	0.135%
68	9.086	2476	2487	2510	rVV	1361574	2266454	80.16%	8.412%
69	9.299	2551	2553	2555	rBV2	1806	947	0.03%	0.004%
70	9.443	2590	2598	2619	rVB3	67206	118608	4.19%	0.440%
71	9.559	2630	2634	2635	rBV3	2384	1738	0.06%	0.006%

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72	9.649	2654	2662	2669	rBV9	3101	5406	0.19%	0.020%
73	9.717	2673	2683	2693	rVV9	10857	22850	0.81%	0.085%
74	9.900	2737	2740	2741	rBV3	1389	917	0.03%	0.003%
75	9.948	2741	2755	2766	rVV3	49836	84515	2.99%	0.314%
76	10.254	2844	2850	2858	rVB7	10454	14040	0.50%	0.052%
77	10.321	2858	2871	2875	rBV5	28990	49513	1.75%	0.184%
78	10.427	2893	2904	2930	rBV	926355	1528225	54.05%	5.672%
79	10.591	2947	2955	2961	rBV2	10255	16351	0.58%	0.061%
80	10.681	2974	2983	2988	rBV2	41167	68781	2.43%	0.255%
81	10.810	3016	3023	3041	rVB	167522	263796	9.33%	0.979%
82	10.971	3067	3073	3081	rBV2	15883	24475	0.87%	0.091%
83	11.112	3110	3117	3121	rBV3	41297	55599	1.97%	0.206%
84	11.147	3122	3128	3143	rVB	78044	124570	4.41%	0.462%
85	11.266	3159	3165	3174	rBV	9981	18948	0.67%	0.070%
86	11.479	3221	3231	3251	rBV	1426674	2281376	80.69%	8.467%
87	11.569	3253	3259	3266	rVB3	39881	51454	1.82%	0.191%
88	11.774	3313	3323	3327	rBV6	26814	48568	1.72%	0.180%
89	11.855	3338	3348	3369	rVB	1397980	2309189	81.67%	8.571%
90	12.022	3391	3400	3430	rVB	210375	370063	13.09%	1.373%
91	12.607	3577	3582	3586	rBV5	18657	21721	0.77%	0.081%
92	12.697	3604	3610	3618	rBV4	38308	60001	2.12%	0.223%
93	12.961	3685	3692	3705	rVB2	45226	70213	2.48%	0.261%
94	13.032	3709	3714	3723	rVV5	21314	28572	1.01%	0.106%
95	13.122	3734	3742	3759	rVB2	215578	326650	11.55%	1.212%
96	13.276	3784	3790	3810	rVB7	42873	103894	3.67%	0.386%
97	13.742	3926	3935	3946	rBV	215622	351638	12.44%	1.305%
98	14.138	4052	4058	4067	rBV4	51830	72679	2.57%	0.270%
99	14.874	4277	4287	4314	rBV	658288	1177665	41.65%	4.371%
100	15.060	4336	4345	4363	rVB2	186992	333503	11.80%	1.238%

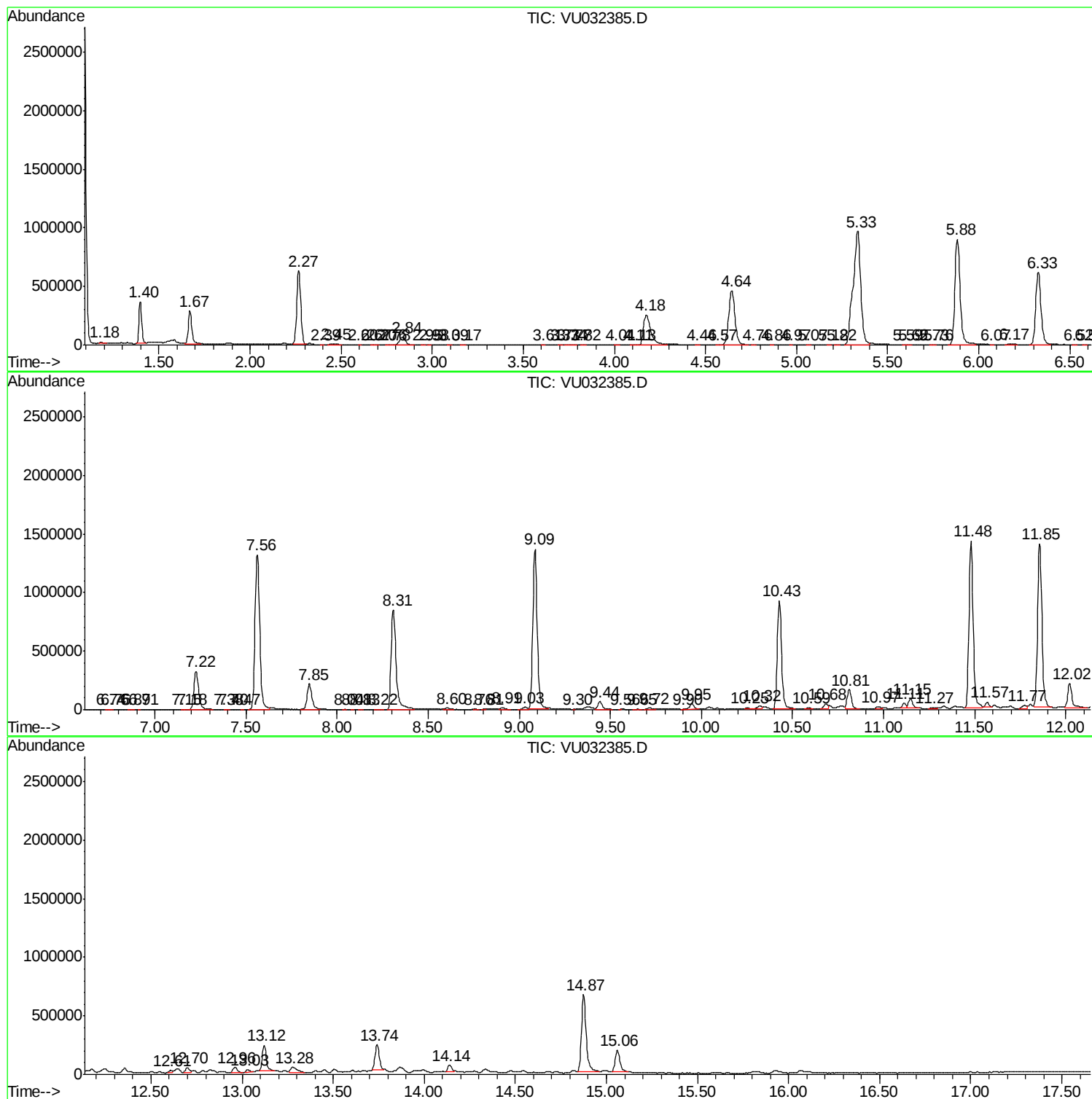
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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



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Instrument :
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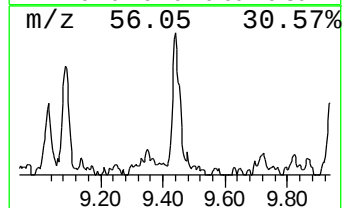
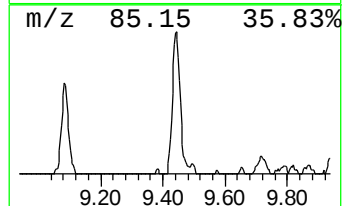
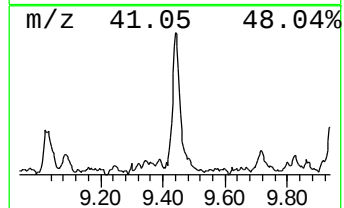
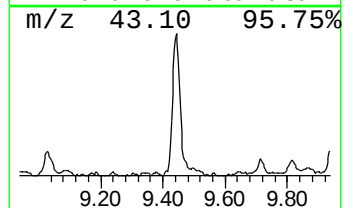
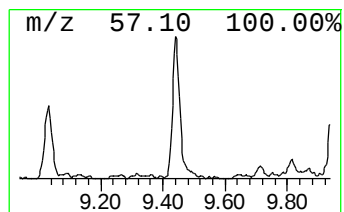
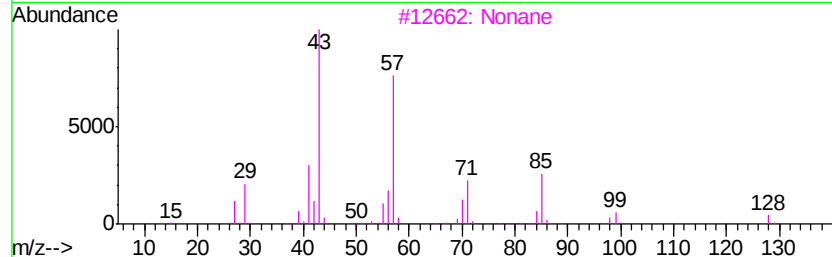
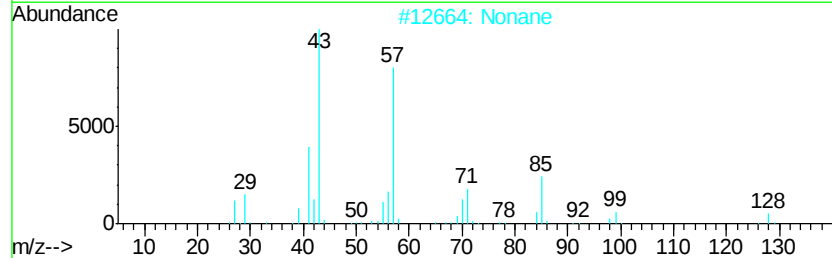
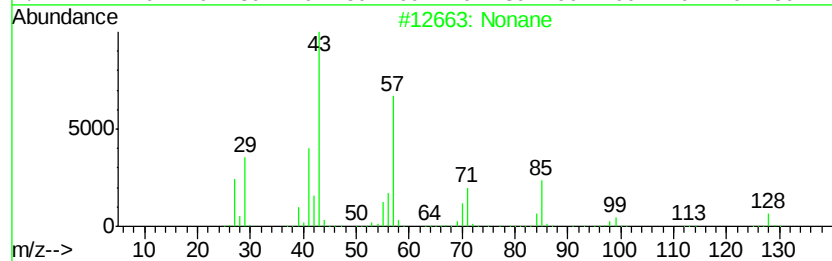
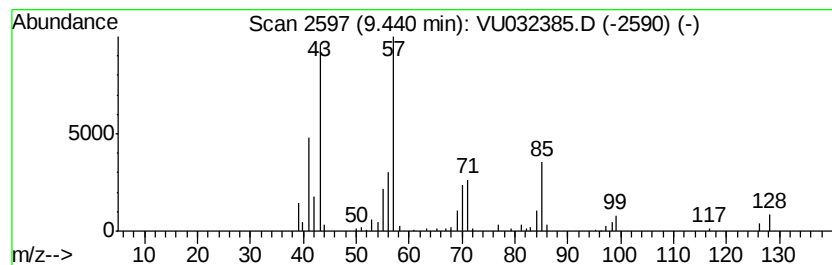
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	2.62 ug/L	118608	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	90
2		Nonane	128	C9H20	000111-84-2	90
3		Nonane	128	C9H20	000111-84-2	90
4		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	53
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	47



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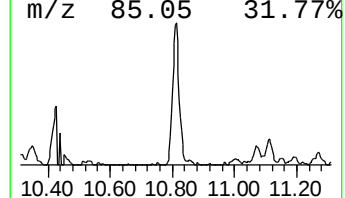
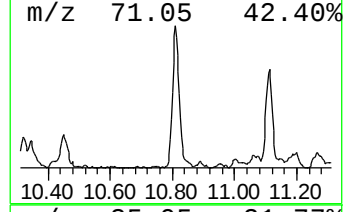
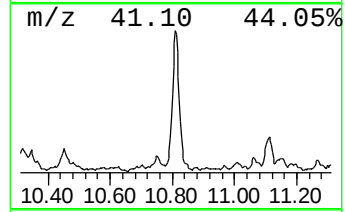
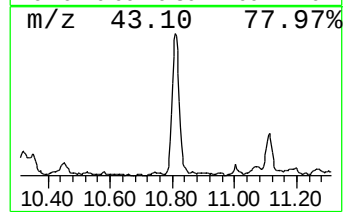
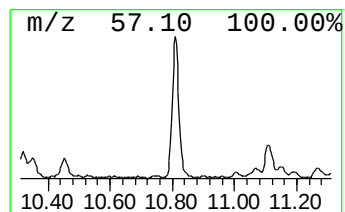
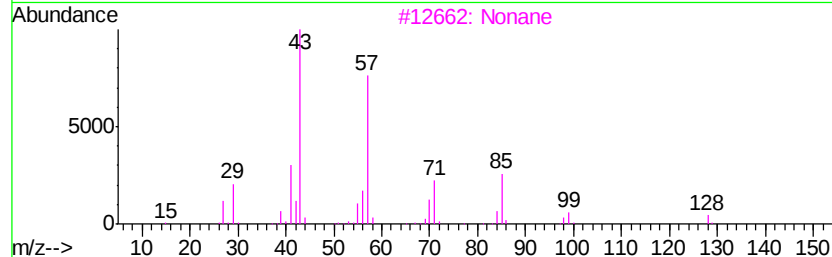
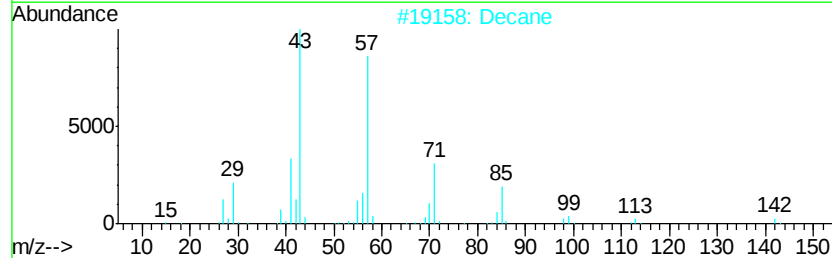
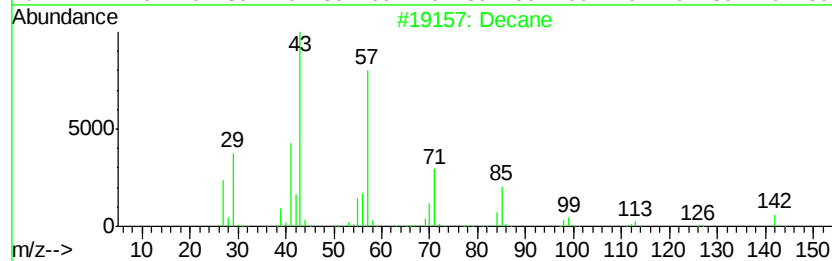
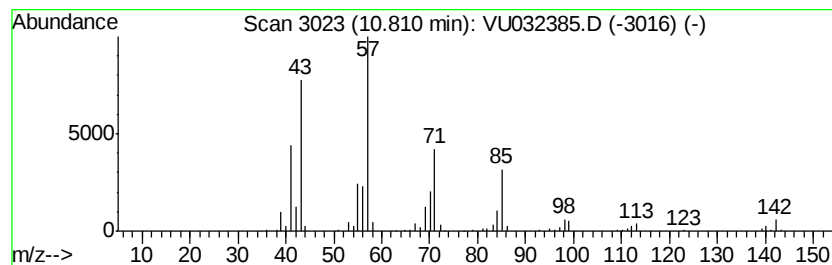
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	5.78 ug/L	263796	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	94
2		Decane	142	C10H22	000124-18-5	87
3		Nonane	128	C9H20	000111-84-2	86
4		Octane	114	C8H18	000111-65-9	72
5		Octane	114	C8H18	000111-65-9	72



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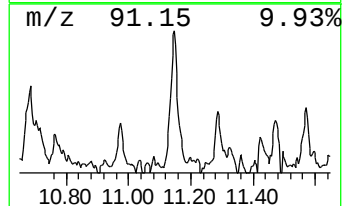
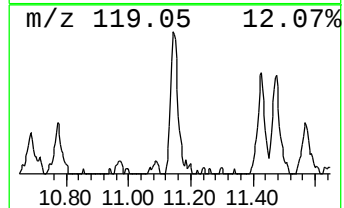
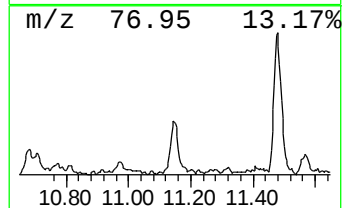
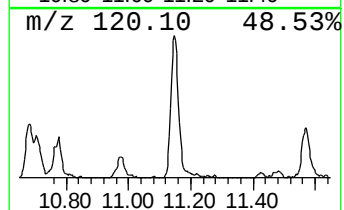
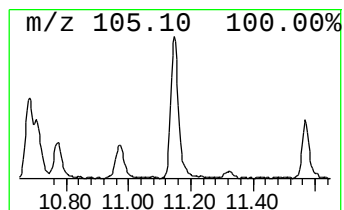
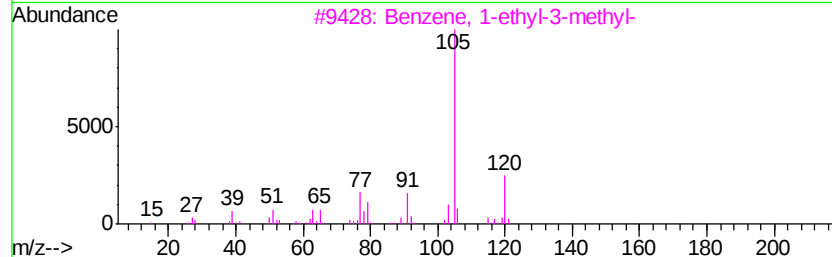
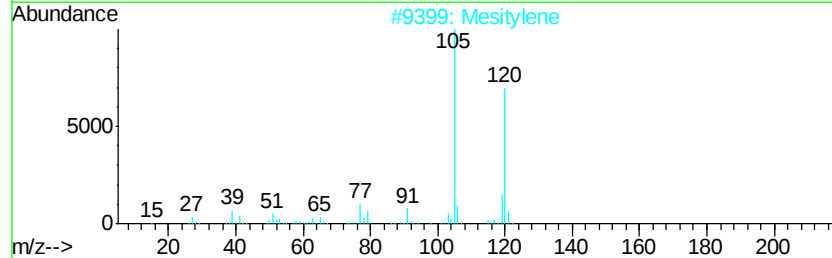
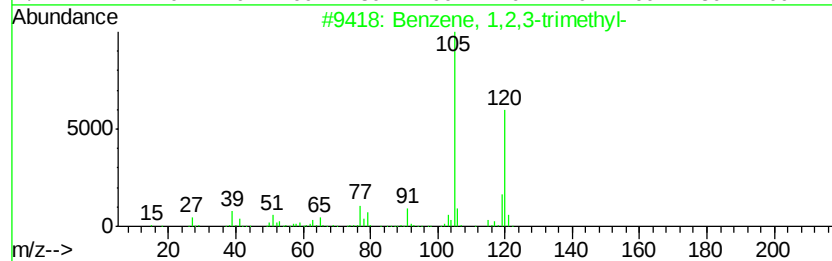
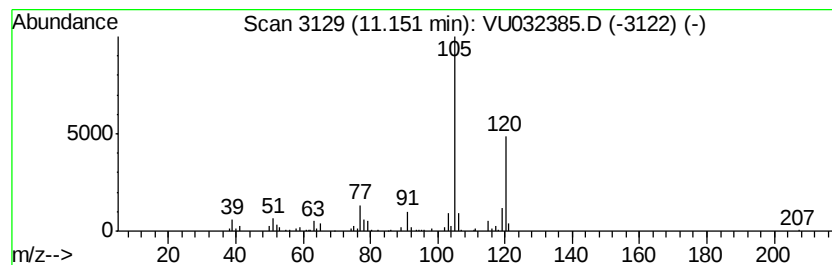
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	2.73 ug/L	124570	1,4-Dichlorobenzene-d4	11.48

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053019\
Data File : VU032385.D
Acq On : 30 May 2019 16:34
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

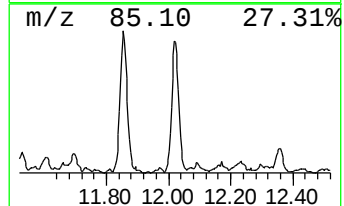
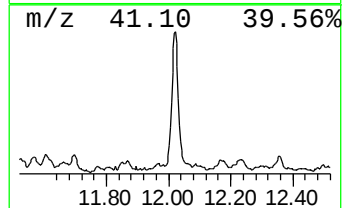
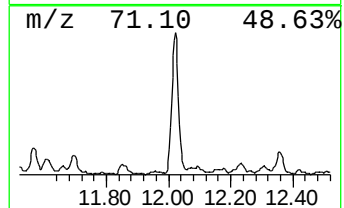
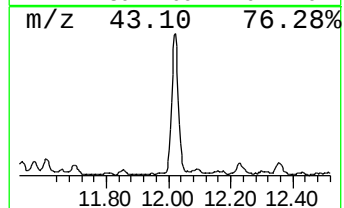
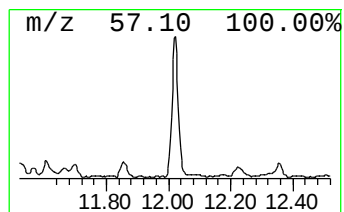
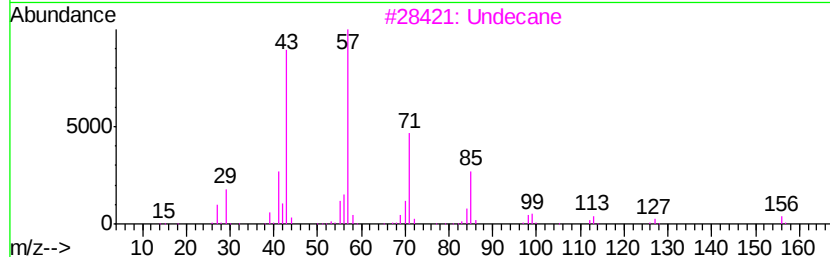
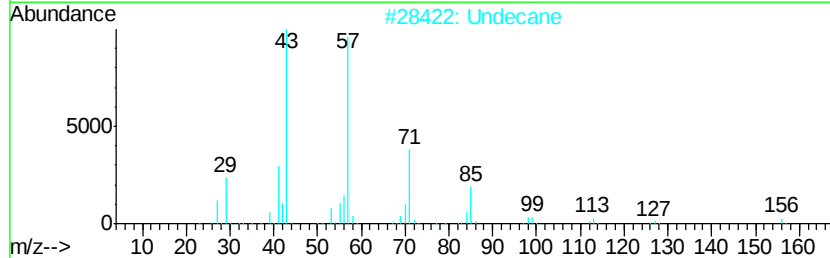
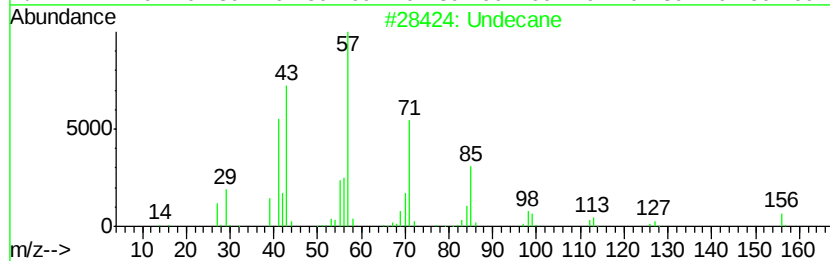
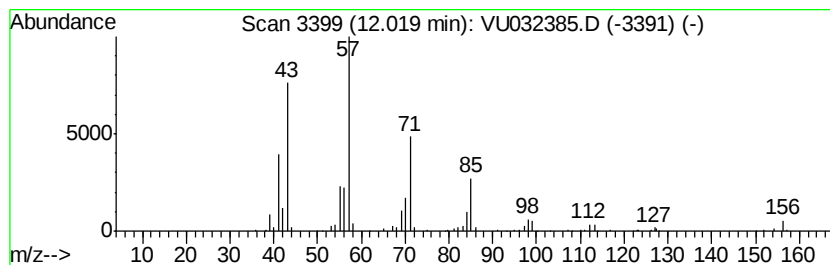
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.11 ug/L	370063	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	94
2		Undecane	156	C11H24	001120-21-4	90
3		Undecane	156	C11H24	001120-21-4	87
4		Undecane	156	C11H24	001120-21-4	81
5		Nonane	128	C9H20	000111-84-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053019\
Data File : VU032385.D
Acq On : 30 May 2019 16:34
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

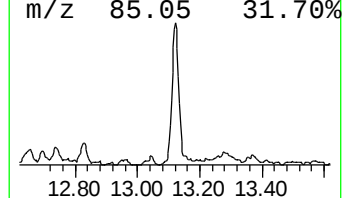
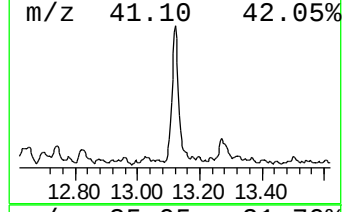
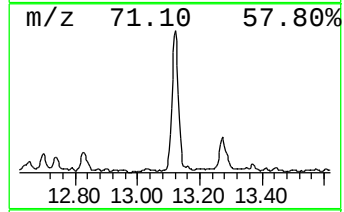
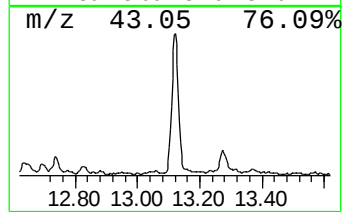
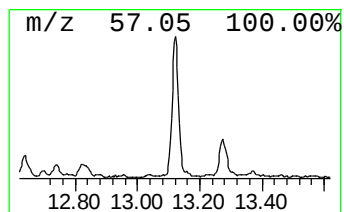
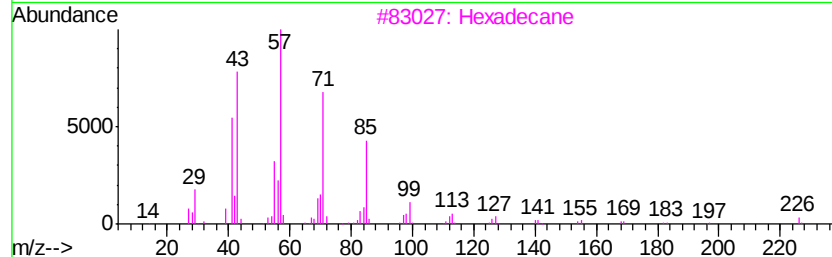
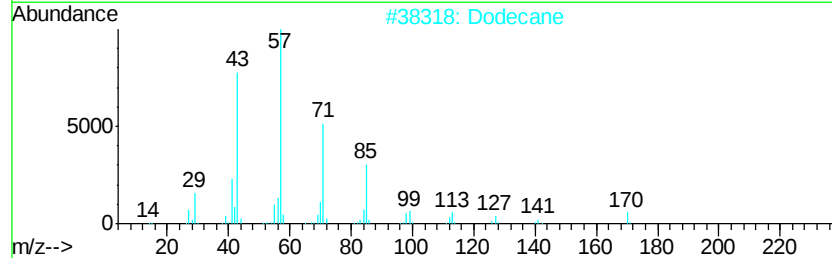
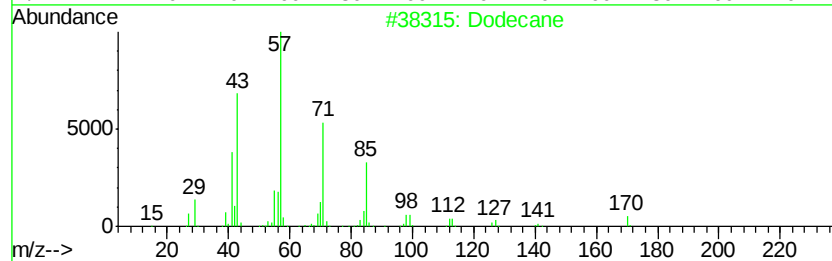
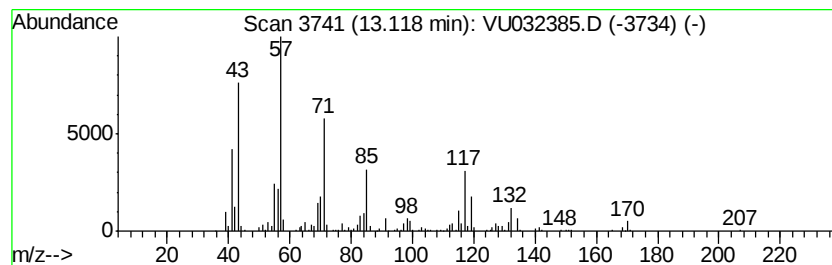
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	7.16 ug/L	326650	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	90
2		Dodecane	170	C12H26	000112-40-3	60
3		Hexadecane	226	C16H34	000544-76-3	52
4		Undecane	156	C11H24	001120-21-4	52
5		Nonadecane	268	C19H40	000629-92-5	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053019\
Data File : VU032385.D
Acq On : 30 May 2019 16:34
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

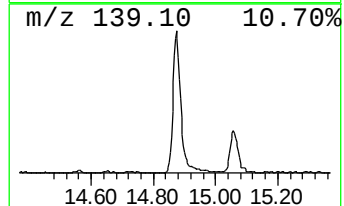
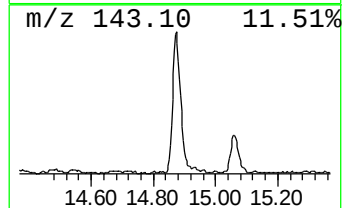
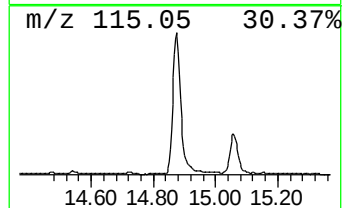
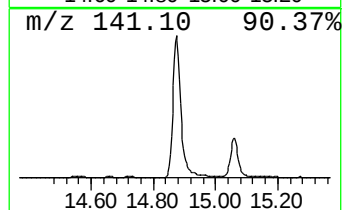
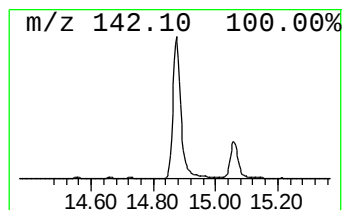
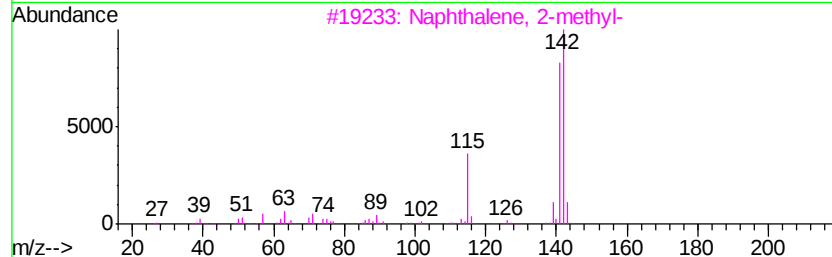
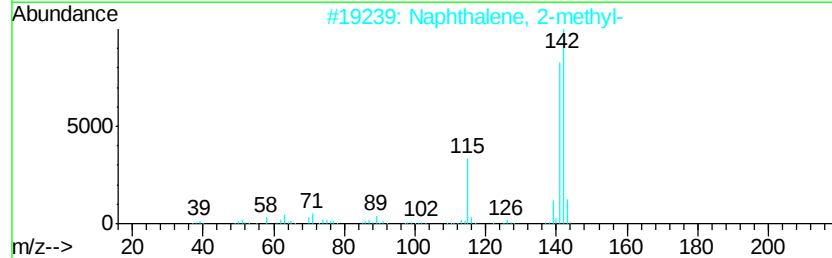
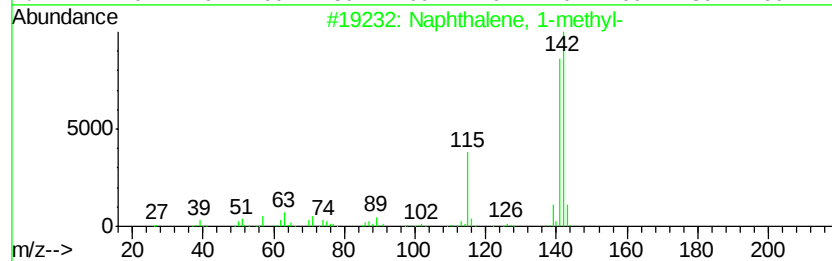
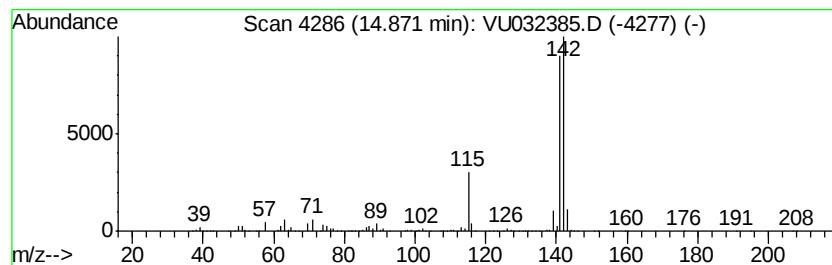
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	25.81 ug/L	1177670	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032385.D
Acq On : 30 May 2019 16:34
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.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	2.6	ug/L	118608	2	9.09	2266450	50.0
(DEL) Alkane: Str...	10.81	5.8	ug/L	263796	3	11.48	2281380	50.0
Benzene, 1,2,3-tr...	11.15	2.7	ug/L	124570	3	11.48	2281380	50.0
(DEL) Alkane: Str...	12.02	8.1	ug/L	370063	3	11.48	2281380	50.0
(DEL) Alkane: Str...	13.12	7.2	ug/L	326650	3	11.48	2281380	50.0
Naphthalene, 1-me...	14.87	25.8	ug/L	1177670	3	11.48	2281380	50.0