

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
 Data File : VV014820.D
 Acq On : 10 Mar 2020 22:40
 Operator : SY/MD
 Sample : L1840-16
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBET1

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_V\METHOD\SOMVLM030620WMA.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	1.116	3	8	16	rVB	21652	20149	1.49%	0.148%
2	1.222	38	41	46	rVB2	7977	6305	0.46%	0.046%
3	1.315	62	70	87	rVB	157737	173008	12.75%	1.273%
4	1.396	88	95	111	rVV	19341	30457	2.25%	0.224%
5	1.579	144	152	166	rVB	123173	150143	11.07%	1.105%
6	2.119	309	320	336	rBV	255250	375596	27.69%	2.764%
7	2.640	478	482	483	rBV3	972	709	0.05%	0.005%
8	2.981	576	588	603	rVV4	5612	13360	0.98%	0.098%
9	3.093	618	623	628	rVB3	1142	1050	0.08%	0.008%
10	3.151	638	641	645	rVB4	835	609	0.04%	0.004%
11	3.200	648	656	659	rBV5	1193	1688	0.12%	0.012%
12	3.241	665	669	674	rVB6	998	920	0.07%	0.007%
13	3.277	677	680	683	rVB3	910	591	0.04%	0.004%
14	3.550	761	765	773	rVB6	1118	1161	0.09%	0.009%
15	3.733	808	822	841	rBV2	24598	67991	5.01%	0.500%
16	3.926	868	882	940	rBV2	81008	331879	24.47%	2.442%
17	4.209	968	970	974	rVB4	1020	626	0.05%	0.005%
18	4.376	1002	1022	1051	rBV	215703	544870	40.17%	4.009%
19	4.479	1052	1054	1060	rVB4	929	699	0.05%	0.005%
20	4.589	1084	1088	1092	rBV4	963	665	0.05%	0.005%
21	4.865	1172	1174	1180	rVB2	828	747	0.06%	0.005%
22	4.981	1204	1210	1215	rBV3	706	763	0.06%	0.006%
23	5.074	1219	1239	1270	rBV2	536926	1356419	100.00%	9.980%
24	5.216	1279	1283	1286	rBV4	1012	864	0.06%	0.006%
25	5.238	1287	1290	1291	rBV2	1207	608	0.04%	0.004%
26	5.476	1359	1364	1365	rBV2	997	670	0.05%	0.005%
27	5.518	1375	1377	1380	rBV2	838	590	0.04%	0.004%
28	5.643	1402	1416	1438	rBV	444856	889998	65.61%	6.549%
29	5.926	1498	1504	1505	rBV4	1615	1602	0.12%	0.012%
30	6.035	1536	1538	1539	rVV	1342	685	0.05%	0.005%
31	6.097	1540	1557	1581	rVB	303220	622604	45.90%	4.581%
32	6.228	1591	1598	1606	rBV7	2041	3175	0.23%	0.023%
33	6.322	1618	1627	1635	rBV5	4900	9511	0.70%	0.070%
34	6.444	1662	1665	1668	rVB3	893	615	0.05%	0.005%

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 Title : VOC Analysis

35	6.633	1721	1724	1728	rVB3	1415	1029	0.08%	0.008%
36	6.743	1753	1758	1762	rBV2	580	742	0.05%	0.005%
37	7.010	1825	1841	1859	rBV	163947	294205	21.69%	2.165%
38	7.183	1886	1895	1900	rBV7	2278	4160	0.31%	0.031%
39	7.273	1921	1923	1928	rVB4	1307	755	0.06%	0.006%
40	7.338	1928	1943	1959	rBV	661475	1134731	83.66%	8.349%
41	7.521	1997	2000	2002	rBV3	835	624	0.05%	0.005%
42	7.643	2027	2038	2054	rBV	116355	197364	14.55%	1.452%
43	7.859	2101	2105	2110	rBV4	1392	1554	0.11%	0.011%
44	7.949	2131	2133	2134	rVV	1563	732	0.05%	0.005%
45	7.965	2135	2138	2147	rVB7	2775	2985	0.22%	0.022%
46	8.113	2171	2184	2218	rBV	429482	835499	61.60%	6.148%
47	8.428	2276	2282	2287	rBV5	1573	2113	0.16%	0.016%
48	8.505	2299	2306	2307	rBV4	1235	1162	0.09%	0.009%
49	8.518	2307	2310	2312	rBV3	1124	945	0.07%	0.007%
50	8.662	2352	2355	2359	rBV4	768	735	0.05%	0.005%
51	8.701	2364	2367	2370	rVV5	855	778	0.06%	0.006%
52	8.820	2395	2404	2408	rBV6	3816	6018	0.44%	0.044%
53	8.875	2409	2421	2446	rVB	688696	1115025	82.20%	8.204%
54	8.987	2451	2456	2458	rBV5	2551	2302	0.17%	0.017%
55	9.222	2524	2529	2535	rBV4	1159	1571	0.12%	0.012%
56	9.569	2627	2637	2639	rBV5	2137	2837	0.21%	0.021%
57	9.611	2642	2650	2664	rVB6	5479	11648	0.86%	0.086%
58	9.736	2685	2689	2694	rVV5	1206	1395	0.10%	0.010%
59	9.823	2712	2716	2717	rBV2	1360	825	0.06%	0.006%
60	9.884	2730	2735	2738	rBV3	980	835	0.06%	0.006%
61	9.968	2754	2761	2770	rVB3	2730	4135	0.30%	0.030%
62	10.112	2797	2806	2812	rBV5	2492	3495	0.26%	0.026%
63	10.167	2816	2823	2831	rBV9	1844	2431	0.18%	0.018%
64	10.238	2831	2845	2862	rVB	463888	720228	53.10%	5.299%
65	10.296	2862	2863	2869	rVB3	1145	824	0.06%	0.006%
66	10.363	2871	2884	2930	rBV	400377	948671	69.94%	6.980%
67	10.662	2968	2977	2994	rBV	32330	62671	4.62%	0.461%
68	10.878	3036	3044	3055	rBV6	10929	19501	1.44%	0.143%
69	10.971	3067	3073	3084	rVB3	12786	21562	1.59%	0.159%
70	11.045	3088	3096	3108	rVB4	11953	19821	1.46%	0.146%
71	11.122	3111	3120	3127	rBV2	23149	39196	2.89%	0.288%

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72	11.267	3154	3165	3180	rBV	729045	1114274	82.15%	8.199%
73	11.521	3234	3244	3249	rBV7	5306	9573	0.71%	0.070%
74	11.643	3270	3282	3298	rBV	693832	1105003	81.46%	8.131%
75	11.727	3300	3308	3323	rVB2	57287	102055	7.52%	0.751%
76	11.942	3361	3375	3402	rBV	457907	780512	57.54%	5.743%
77	12.103	3423	3425	3428	rBV4	1107	650	0.05%	0.005%
78	12.479	3532	3542	3551	rBV8	7043	11360	0.84%	0.084%
79	12.566	3564	3569	3574	rBV7	3375	4750	0.35%	0.035%
80	12.714	3611	3615	3617	rBV3	1110	782	0.06%	0.006%
81	12.800	3635	3642	3650	rBV8	5088	7079	0.52%	0.052%
82	12.868	3657	3663	3668	rBV9	3454	4308	0.32%	0.032%
83	12.923	3669	3680	3696	rVB2	164527	268549	19.80%	1.976%
84	13.228	3771	3775	3781	rBV6	3013	3227	0.24%	0.024%
85	13.341	3806	3810	3812	rBV2	4360	3732	0.28%	0.027%
86	13.405	3823	3830	3832	rBV6	5007	5768	0.43%	0.042%
87	13.771	3936	3944	3953	rBV4	15329	25624	1.89%	0.189%
88	13.826	3956	3961	3976	rVB7	9612	16831	1.24%	0.124%
89	13.984	4007	4010	4019	rVB8	2422	2828	0.21%	0.021%
90	14.093	4042	4044	4049	rBV4	1124	736	0.05%	0.005%
91	14.161	4056	4065	4073	rBV4	4874	8140	0.60%	0.060%
92	14.234	4083	4088	4098	rVV10	7124	11531	0.85%	0.085%
93	14.296	4102	4107	4113	rVB8	3726	4739	0.35%	0.035%
94	14.344	4119	4122	4124	rBV3	1188	611	0.05%	0.004%
95	14.402	4133	4140	4149	rVV9	4753	7400	0.55%	0.054%
96	14.505	4166	4172	4176	rBV7	2487	3136	0.23%	0.023%
97	14.601	4196	4202	4203	rBV4	2616	2367	0.17%	0.017%
98	15.096	4351	4356	4361	rVB7	2479	2644	0.19%	0.019%
99	15.183	4376	4383	4390	rBV8	2738	4572	0.34%	0.034%
100	15.244	4398	4402	4405	rBV6	1676	1513	0.11%	0.011%

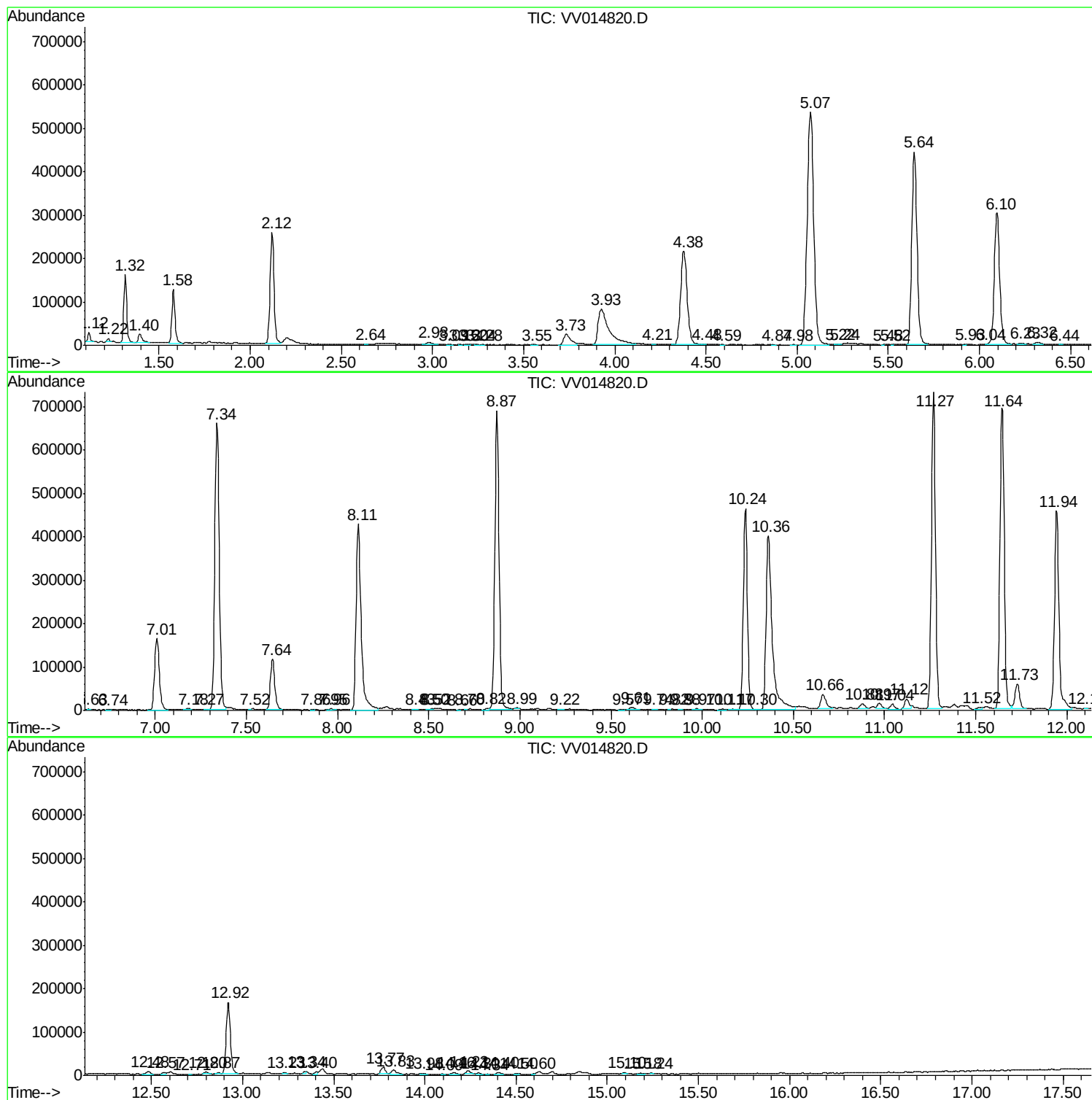
Sum of corrected areas: 13590725

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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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



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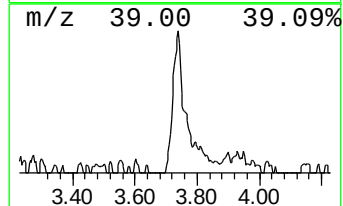
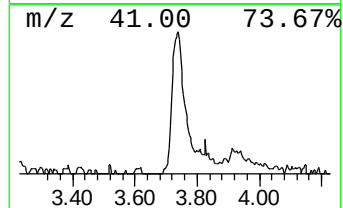
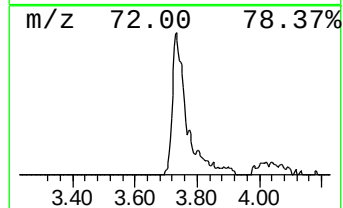
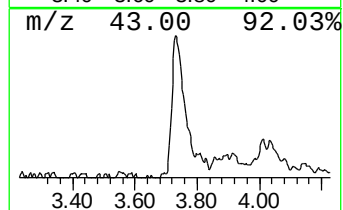
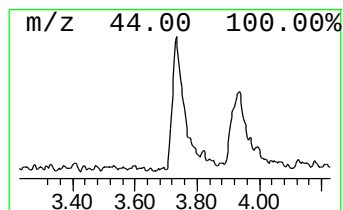
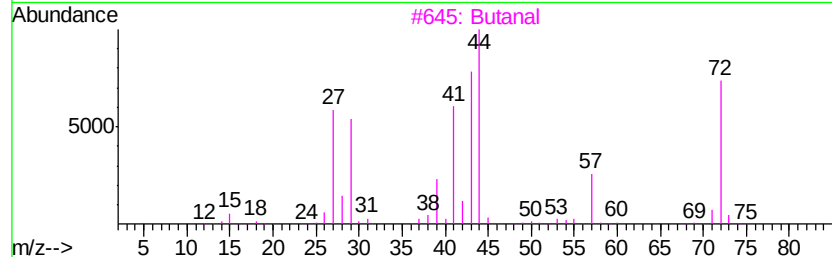
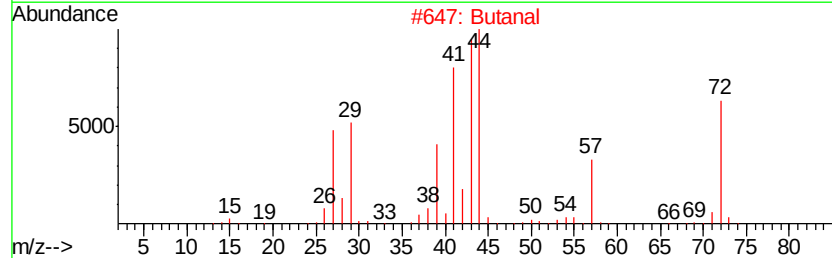
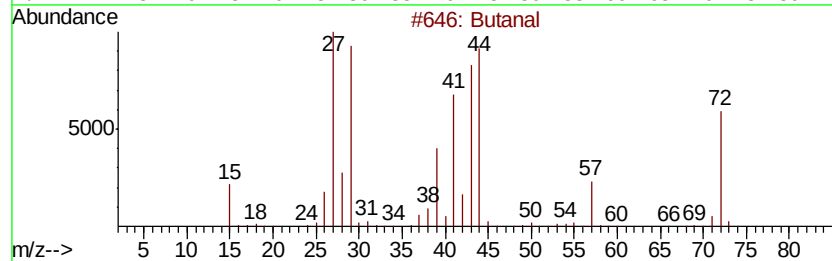
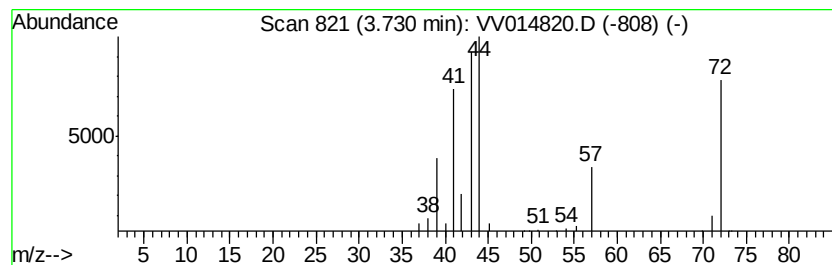
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 Butanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	3.82 ug/L	67991	1,4-Difluorobenzene	5.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	91
2		Butanal	72	C4H8O	000123-72-8	91
3		Butanal	72	C4H8O	000123-72-8	74
4		Butanal	72	C4H8O	000123-72-8	72
5		1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	43



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ALS Vial : 34 Sample Multiplier: 1

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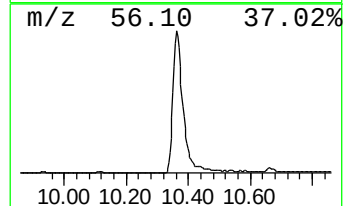
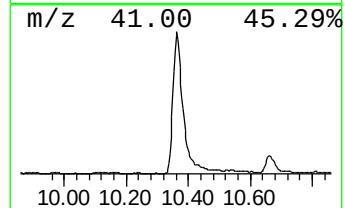
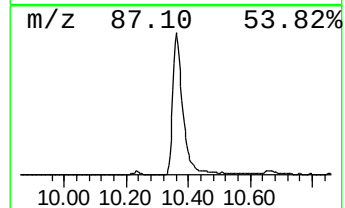
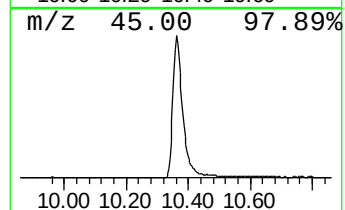
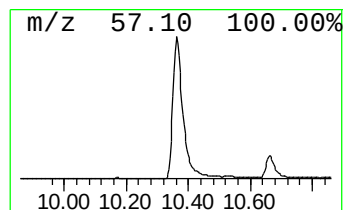
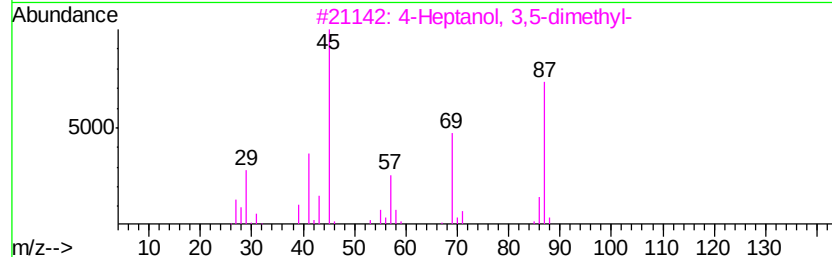
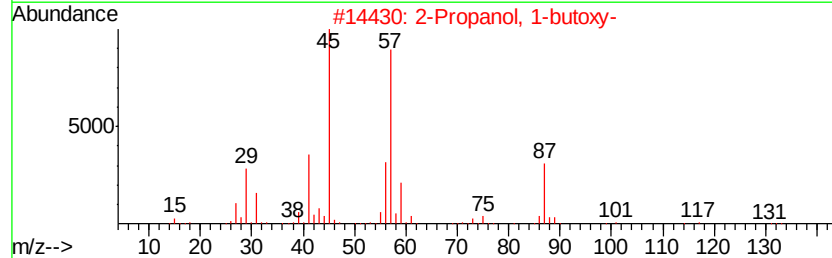
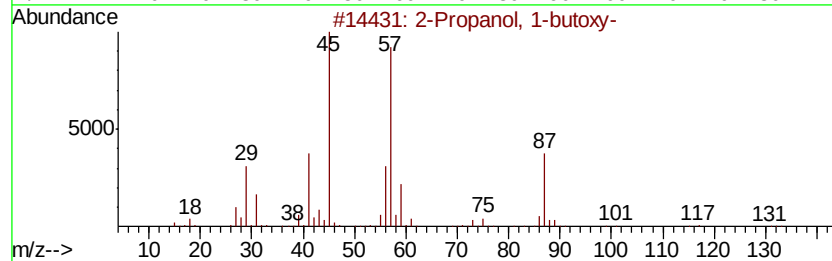
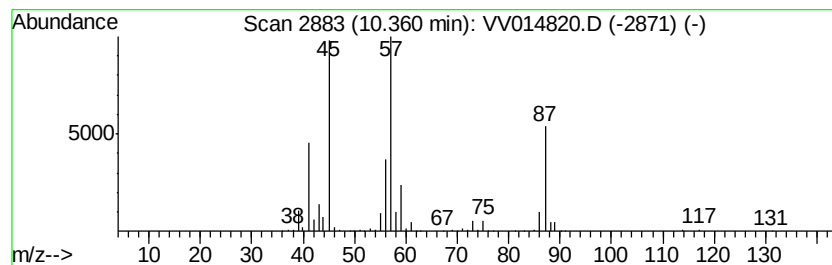
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

Peak Number 3 2-Propanol, 1-butoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	42.57 ug/L	948671	1,4-Dichlorobenzene-d4	11.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	90
2			2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	83
3			4-Heptanol, 3,5-dimethyl-	144	C9H20O	019549-79-2	53
4			1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	53
5			1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	53



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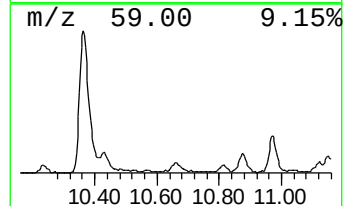
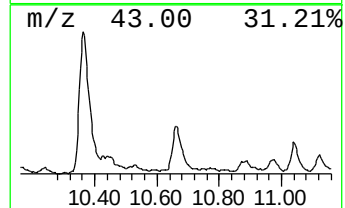
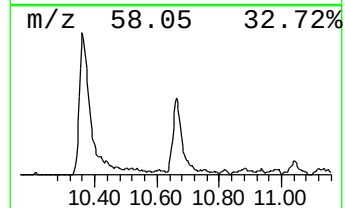
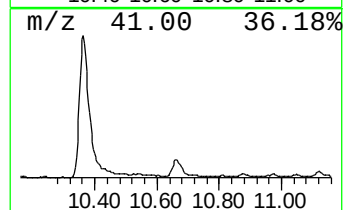
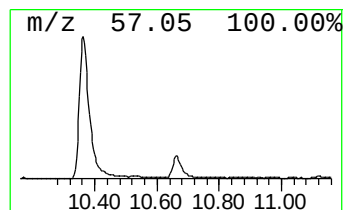
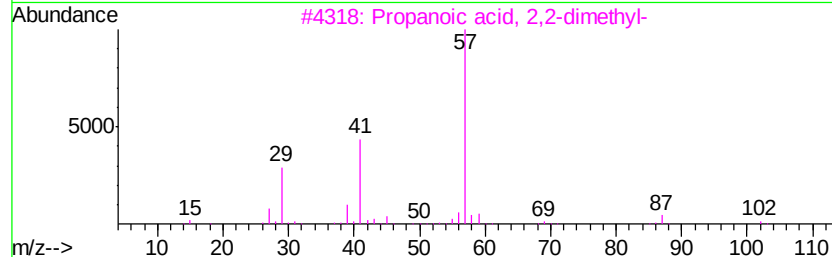
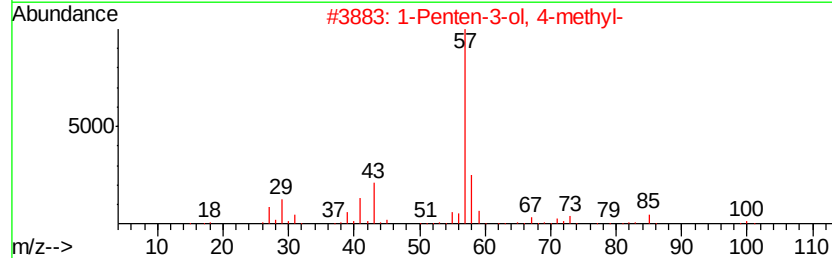
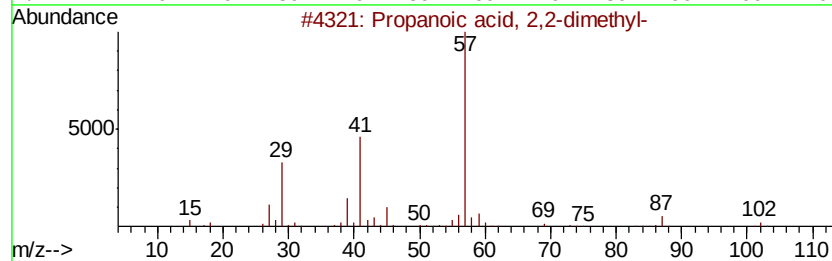
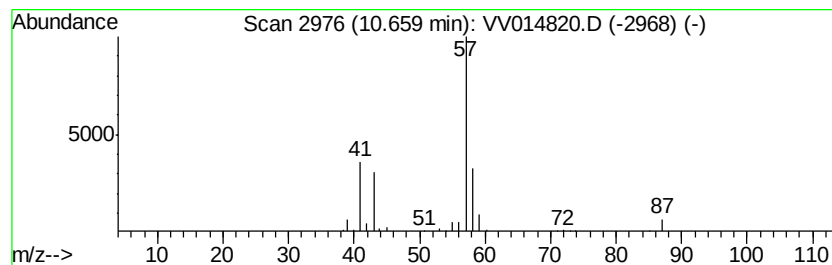
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TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	2.81 ug/L	62671	1,4-Dichlorobenzene-d4	11.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	40
2		1-Penten-3-ol, 4-methyl-	100	C6H12O	004798-45-2	36
3		Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	25
4		Propanoic acid, 2,2-dimethyl-, s...	208	C5H9AqO2	007324-58-5	25
5		Sulfurous acid, dibutyl ester	194	C8H18O3S	000626-85-7	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014820.D
Acq On : 10 Mar 2020 22:40
Operator : SY/MD
Sample : L1840-16
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBET1

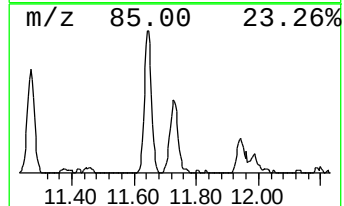
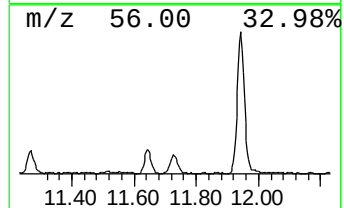
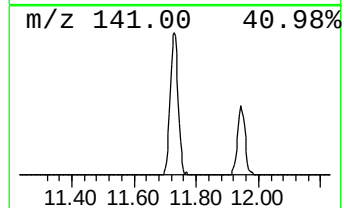
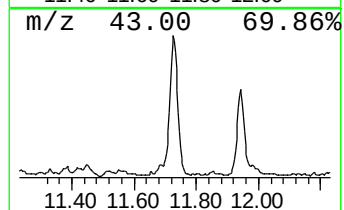
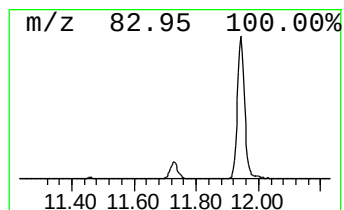
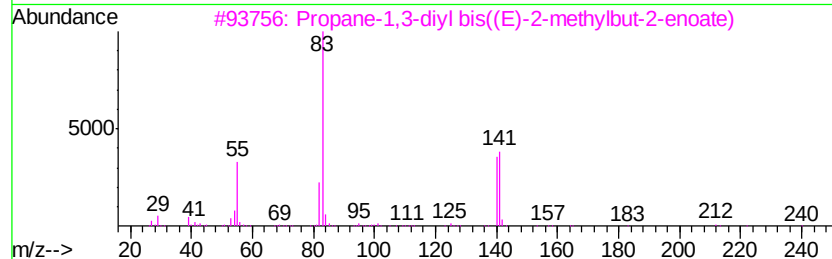
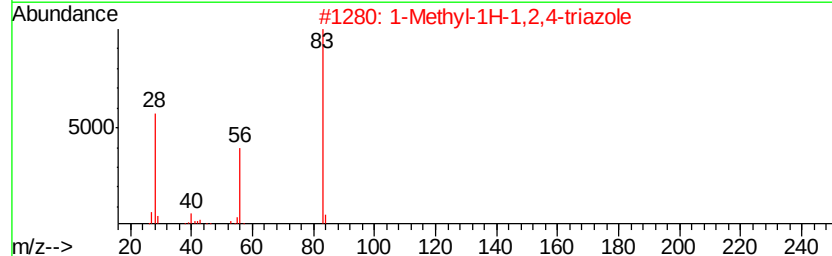
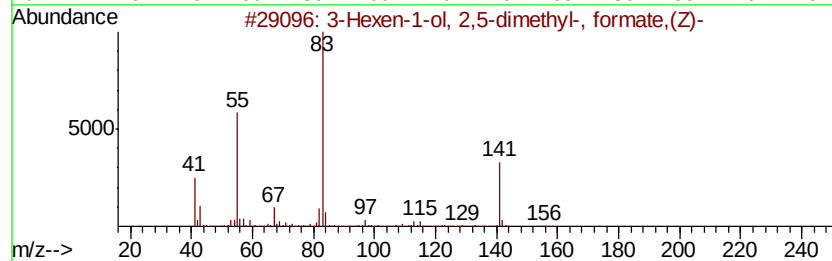
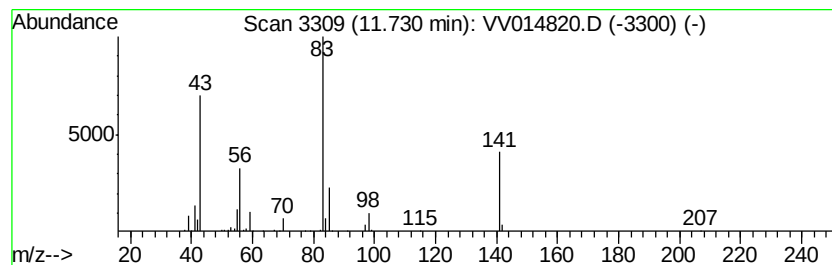
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

Peak Number 5 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.58 ug/L	102055	1,4-Dichlorobenzene-d4	11.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Hexen-1-ol, 2,5-dimethyl-, for...	156	C9H16O2	1000132-12-3	40
2		1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	38
3		Propane-1,3-diyl bis((E)-2-methv...	240	C13H20O4	1000373-72-9	33
4		1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	32
5		2,4-Dimethylpentan-3-yl (E)-2-me...	198	C12H22O2	1000373-75-5	23



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014820.D
Acq On : 10 Mar 2020 22:40
Operator : SY/MD
Sample : L1840-16
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBET1

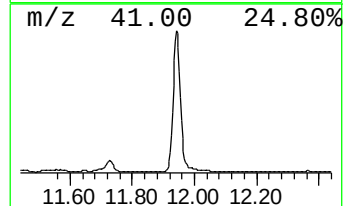
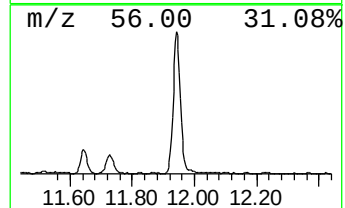
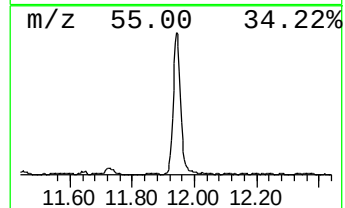
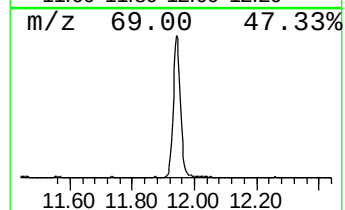
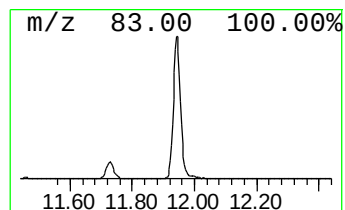
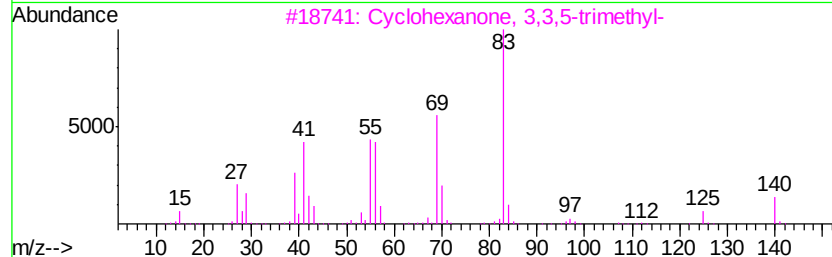
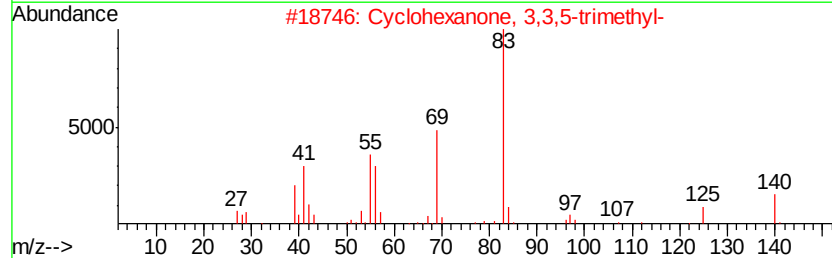
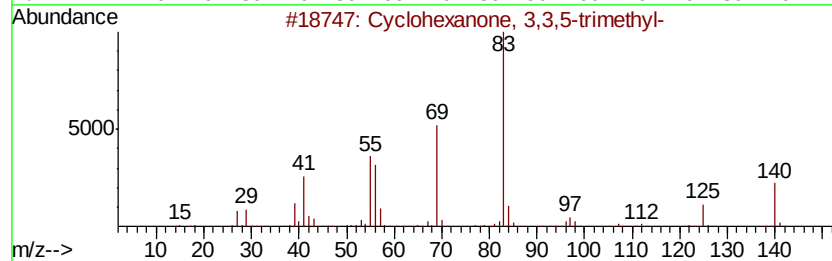
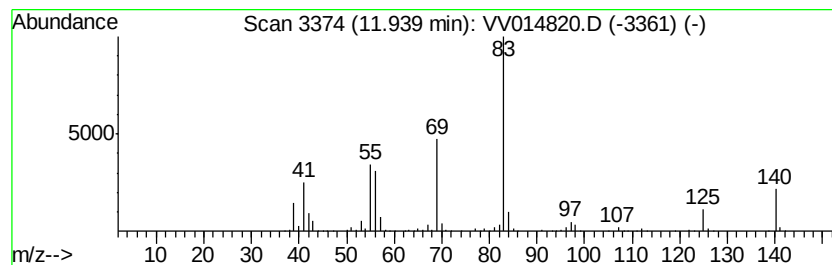
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

Peak Number 6 Cyclohexanone, 3,3,5-trimet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	35.02 ug/L	780512	1,4-Dichlorobenzene-d4	11.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	97
2		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
3		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	86
5		1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014820.D
Acq On : 10 Mar 2020 22:40
Operator : SY/MD
Sample : L1840-16
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBET1

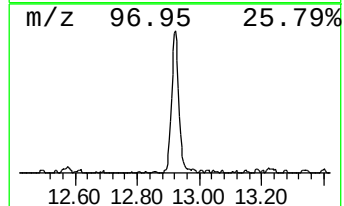
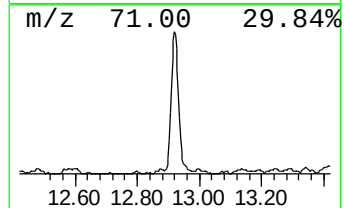
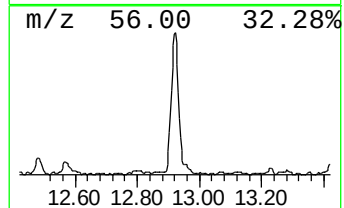
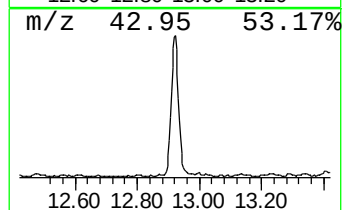
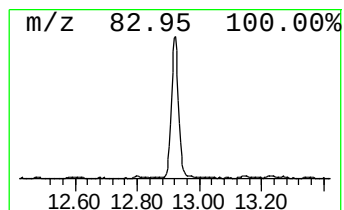
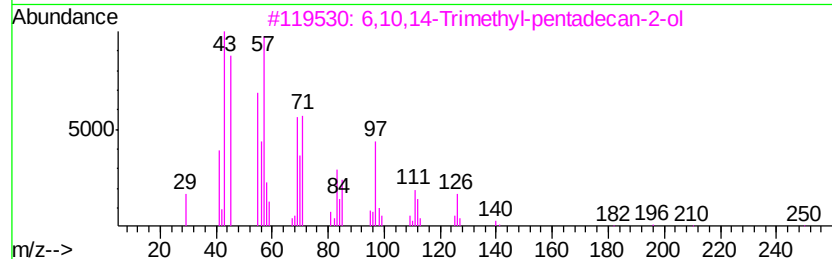
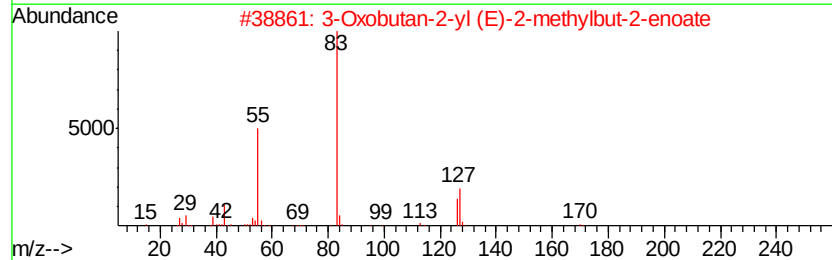
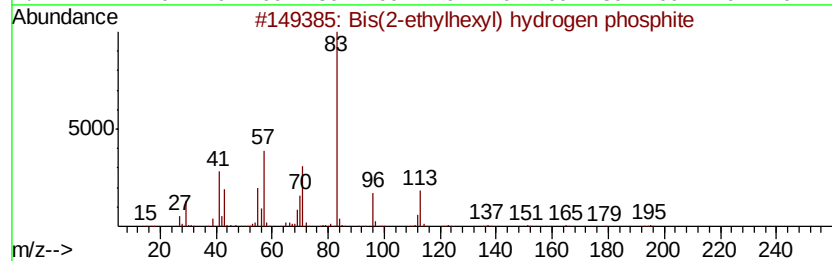
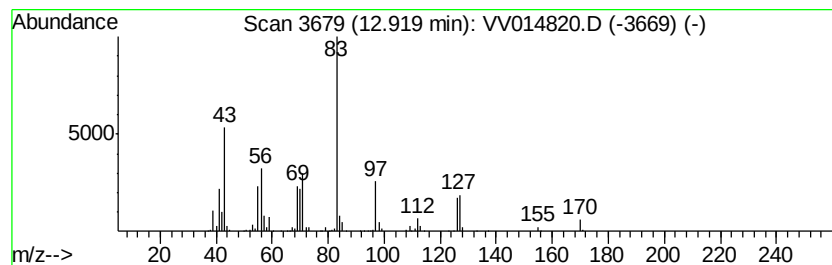
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

Peak Number 7 Bis(2-ethylhexyl) hydrogen ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	12.05 ug/L	268549	1,4-Dichlorobenzene-d4	11.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bis(2-ethylhexyl) hydrogen phosph...	306	C16H35O3P	003658-48-8	50
2		3-Oxobutan-2-yl (E)-2-methylbut-...	170	C9H14O3	1000373-71-9	43
3		6,10,14-Trimethyl-pentadecan-2-ol	270	C18H38O	1000143-49-8	43
4		2-Pyrazoline, 1-methyl-4-propyl-	126	C7H14N2	033063-77-3	38
5		2-Butenoic acid, 3-methyl-, 2-et...	212	C13H24O2	085567-31-3	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031020\
Data File : VV014820.D
Acq On : 10 Mar 2020 22:40
Operator : SY/MD
Sample : L1840-16
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBET1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.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
Butanal	3.73	3.8	ug/L	67991	1	5.64	889998	50.0
2-Propanol, 1-but...	10.36	42.6	ug/L	948671	3	11.27	1114270	50.0
unknown-01	10.66	2.8	ug/L	62671	3	11.27	1114270	50.0
unknown-02	11.73	4.6	ug/L	102055	3	11.27	1114270	50.0
Cyclohexanone, 3,...	11.94	35.0	ug/L	780512	3	11.27	1114270	50.0
Bis(2-ethylhexyl)...	12.92	12.1	ug/L	268549	3	11.27	1114270	50.0