

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
 Data File : VV011117.D
 Acq On : 29 May 2019 21:53
 Operator : SY/MD
 Sample : K3017-07
 Misc : 3.71G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E0

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\SOM2VLM052819S.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	2.730	507	510	513	rBV3	2017	1225	0.15%	0.036%
2	2.942	572	576	578	rBV5	1190	763	0.09%	0.022%
3	2.955	578	580	581	rBV2	1067	465	0.06%	0.014%
4	3.065	607	614	615	rBV5	4285	4069	0.49%	0.120%
5	3.151	639	641	644	rBV3	1176	813	0.10%	0.024%
6	3.283	677	682	685	rBV6	1236	1471	0.18%	0.043%
7	3.415	721	723	724	rBV2	615	273	0.03%	0.008%
8	3.479	741	743	745	rBV2	1193	639	0.08%	0.019%
9	3.666	797	801	806	rBV4	889	727	0.09%	0.021%
10	3.688	806	808	809	rBV	525	261	0.03%	0.008%
11	3.704	811	813	816	rBV4	1024	536	0.06%	0.016%
12	3.753	818	828	841	rBV3	13998	32999	3.97%	0.971%
13	3.939	878	886	906	rBV	18292	48212	5.80%	1.418%
14	4.174	957	959	962	rBV3	1011	776	0.09%	0.023%
15	4.399	1015	1029	1051	rBV2	61957	150502	18.11%	4.427%
16	4.772	1143	1145	1149	rVB5	1083	565	0.07%	0.017%
17	4.830	1160	1163	1164	rBV3	923	397	0.05%	0.012%
18	4.913	1187	1189	1191	rVB3	1006	341	0.04%	0.010%
19	4.942	1195	1198	1200	rBV3	699	306	0.04%	0.009%
20	4.990	1210	1213	1216	rBV4	708	584	0.07%	0.017%
21	5.026	1222	1224	1226	rBV4	684	323	0.04%	0.010%
22	5.093	1229	1245	1271	rVV3	151863	390600	46.99%	11.489%
23	5.662	1410	1422	1438	rBV	111681	222272	26.74%	6.538%
24	5.801	1462	1465	1466	rBV2	1105	489	0.06%	0.014%
25	5.936	1505	1507	1508	rBV2	1074	524	0.06%	0.015%
26	6.013	1528	1531	1532	rBV2	606	399	0.05%	0.012%
27	6.039	1536	1539	1541	rBV4	1026	787	0.09%	0.023%
28	6.116	1552	1563	1580	rBV2	86187	173852	20.91%	5.113%
29	6.331	1620	1630	1649	rBV	84486	164109	19.74%	4.827%
30	6.646	1726	1728	1731	rBV4	1396	881	0.11%	0.026%
31	6.891	1798	1804	1808	rVB7	908	1067	0.13%	0.031%
32	6.910	1808	1810	1813	rBV4	1527	1009	0.12%	0.030%
33	7.029	1838	1847	1864	rVB2	48584	84937	10.22%	2.498%
34	7.109	1870	1872	1874	rBV3	771	330	0.04%	0.010%

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 Title : VOC Analysis

35	7.158	1885	1887	1889	rVB3	1052	345	0.04%	0.010%
36	7.244	1911	1914	1916	rBV4	1090	704	0.08%	0.021%
37	7.273	1919	1923	1925	rBV4	1376	862	0.10%	0.025%
38	7.360	1930	1950	1963	rBV	164417	323234	38.88%	9.507%
39	7.588	2016	2021	2022	rBV3	1197	1041	0.13%	0.031%
40	7.666	2034	2045	2062	rBV	30640	56950	6.85%	1.675%
41	7.875	2108	2110	2111	rBV2	1436	579	0.07%	0.017%
42	7.978	2132	2142	2151	rBV2	4090	8034	0.97%	0.236%
43	8.135	2181	2191	2205	rBV	60720	117913	14.18%	3.468%
44	8.280	2225	2236	2263	rBV	477530	831264	100.00%	24.450%
45	8.588	2329	2332	2334	rBV3	1108	672	0.08%	0.020%
46	8.617	2337	2341	2342	rBV4	891	522	0.06%	0.015%
47	8.695	2363	2365	2368	rBV3	744	324	0.04%	0.010%
48	8.830	2403	2407	2409	rBV3	1178	943	0.11%	0.028%
49	8.897	2417	2428	2448	rBV	137257	232251	27.94%	6.831%
50	9.714	2680	2682	2686	rVB4	1272	698	0.08%	0.021%
51	9.746	2686	2692	2693	rBV6	2069	2049	0.25%	0.060%
52	9.791	2704	2706	2707	rBV2	1105	485	0.06%	0.014%
53	9.810	2711	2712	2715	rBV3	1052	750	0.09%	0.022%
54	9.852	2717	2725	2741	rVV4	28938	53899	6.48%	1.585%
55	10.084	2795	2797	2801	rVB3	1371	915	0.11%	0.027%
56	10.112	2801	2806	2808	rBV4	1527	1288	0.15%	0.038%
57	10.219	2836	2839	2840	rBV2	1409	826	0.10%	0.024%
58	10.260	2843	2852	2866	rVB	71764	113755	13.68%	3.346%
59	10.489	2921	2923	2924	rBV2	953	372	0.04%	0.011%
60	10.505	2924	2928	2930	rBV5	801	509	0.06%	0.015%
61	10.527	2933	2935	2936	rBV3	1157	483	0.06%	0.014%
62	10.717	2992	2994	2997	rVB3	963	543	0.07%	0.016%
63	10.762	2998	3008	3014	rBV9	4999	8143	0.98%	0.240%
64	11.058	3096	3100	3105	rBV8	1297	1305	0.16%	0.038%
65	11.132	3120	3123	3126	rBV5	907	753	0.09%	0.022%
66	11.296	3164	3174	3189	rVB	71762	129008	15.52%	3.794%
67	11.431	3211	3216	3218	rBV4	1270	1151	0.14%	0.034%
68	11.524	3241	3245	3249	rBV5	1181	1011	0.12%	0.030%
69	11.547	3249	3252	3253	rBV2	846	492	0.06%	0.014%
70	11.675	3281	3292	3305	rBV	71414	122401	14.72%	3.600%
71	11.826	3336	3339	3340	rBV4	971	479	0.06%	0.014%

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72	11.942	3372	3375	3378	rBV4	1095	607	0.07%	0.018%
73	12.058	3404	3411	3426	rVB7	11005	18413	2.22%	0.542%
74	12.173	3445	3447	3450	rBV2	1668	1313	0.16%	0.039%
75	12.286	3477	3482	3483	rBV5	3590	2590	0.31%	0.076%
76	12.392	3507	3515	3527	rBV4	14915	24380	2.93%	0.717%
77	12.482	3541	3543	3546	rVB3	1989	1039	0.12%	0.031%
78	12.501	3546	3549	3550	rBV2	1403	756	0.09%	0.022%
79	12.553	3563	3565	3567	rBV3	853	371	0.04%	0.011%
80	12.566	3567	3569	3571	rBV2	1279	765	0.09%	0.023%
81	12.608	3576	3582	3586	rBV10	1884	2415	0.29%	0.071%
82	12.675	3600	3603	3606	rBV5	1258	1130	0.14%	0.033%
83	12.772	3629	3633	3636	rBV5	1502	1340	0.16%	0.039%
84	12.842	3653	3655	3658	rBV2	978	545	0.07%	0.016%
85	12.900	3669	3673	3676	rBV3	1097	955	0.11%	0.028%
86	13.193	3754	3764	3773	rBV3	4297	8718	1.05%	0.256%
87	13.321	3799	3804	3808	rBV8	1488	1385	0.17%	0.041%
88	13.386	3821	3824	3825	rBV3	1173	590	0.07%	0.017%
89	13.447	3841	3843	3844	rBV2	1031	416	0.05%	0.012%
90	13.604	3890	3892	3896	rVB4	1038	533	0.06%	0.016%
91	13.672	3910	3913	3914	rBV4	1310	616	0.07%	0.018%
92	13.736	3930	3933	3934	rBV2	1677	688	0.08%	0.020%
93	13.800	3944	3953	3958	rBV10	2604	3688	0.44%	0.108%
94	13.894	3980	3982	3985	rBV3	839	732	0.09%	0.022%
95	13.997	4011	4014	4015	rBV3	888	392	0.05%	0.012%
96	14.090	4033	4043	4055	rBV	7838	16057	1.93%	0.472%
97	14.186	4070	4073	4075	rBV4	927	689	0.08%	0.020%
98	14.386	4128	4135	4137	rBV8	2425	2639	0.32%	0.078%
99	14.839	4273	4276	4278	rVB3	1459	716	0.09%	0.021%
100	15.488	4476	4478	4480	rBV3	1787	953	0.11%	0.028%

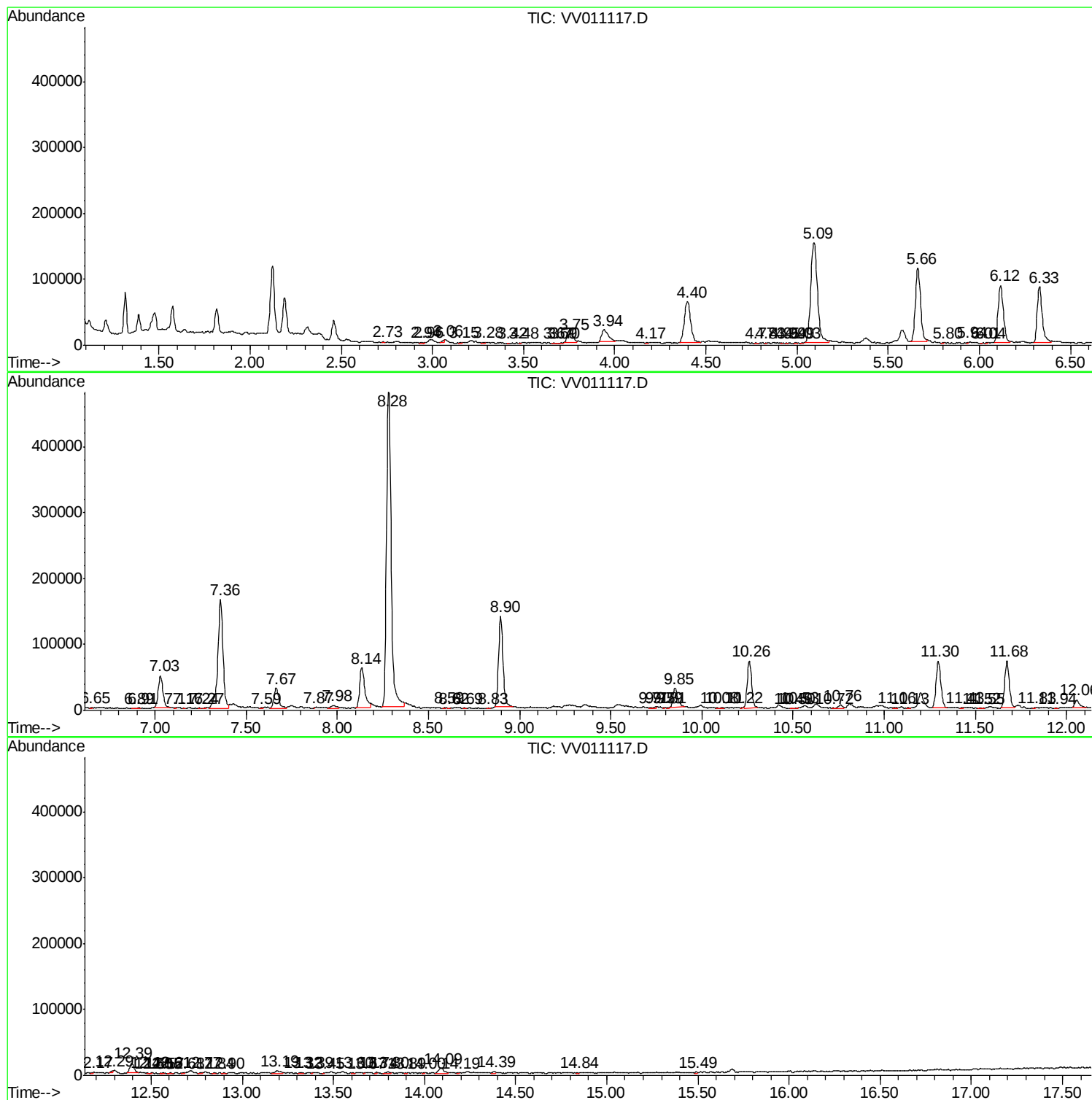
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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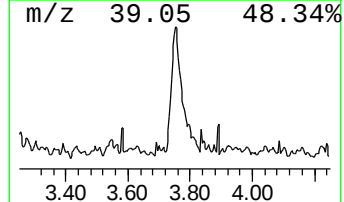
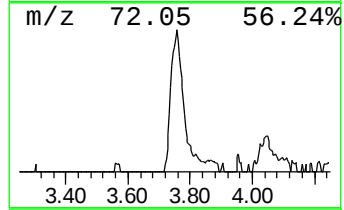
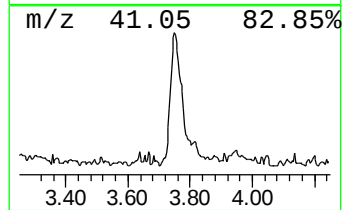
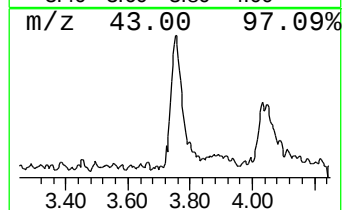
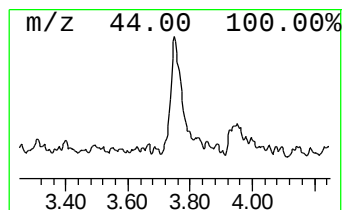
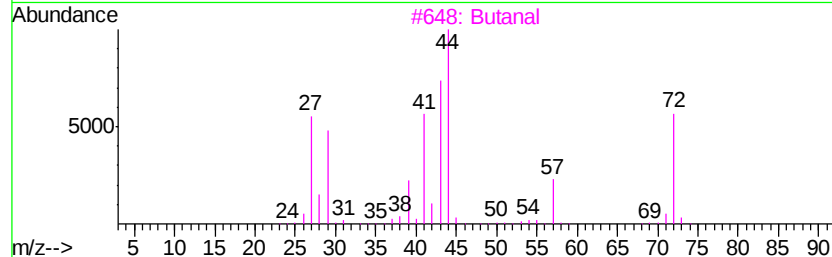
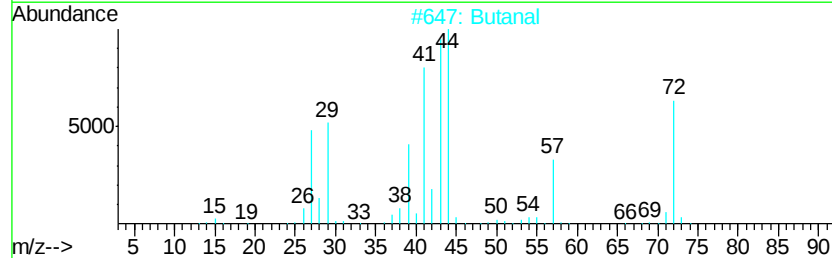
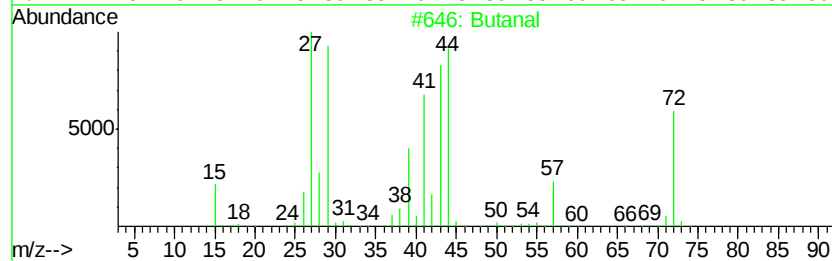
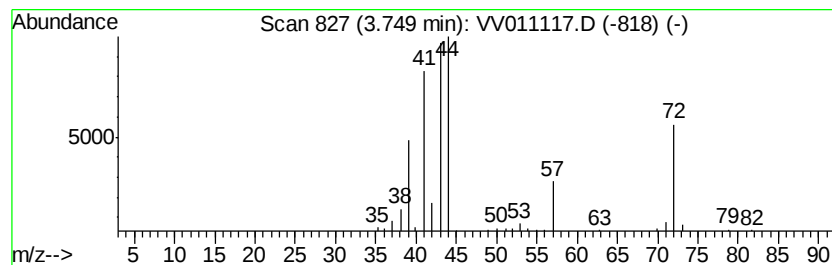
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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.
3.75	3.71 ug/L	32999	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	87
2		Butanal	72	C4H8O	000123-72-8	81
3		Butanal	72	C4H8O	000123-72-8	49
4		Butanal	72	C4H8O	000123-72-8	47
5		Propane	44	C3H8	000074-98-6	45



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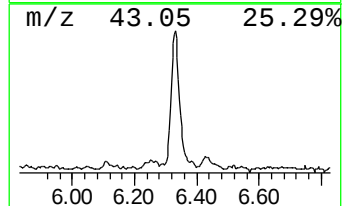
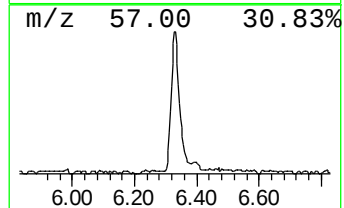
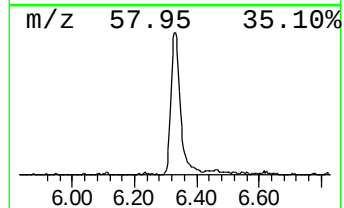
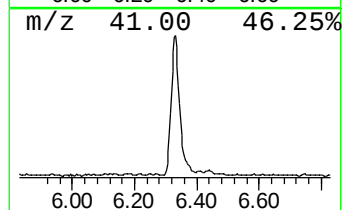
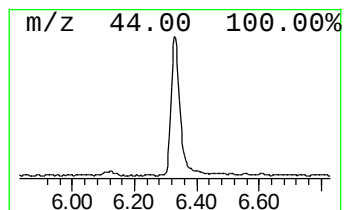
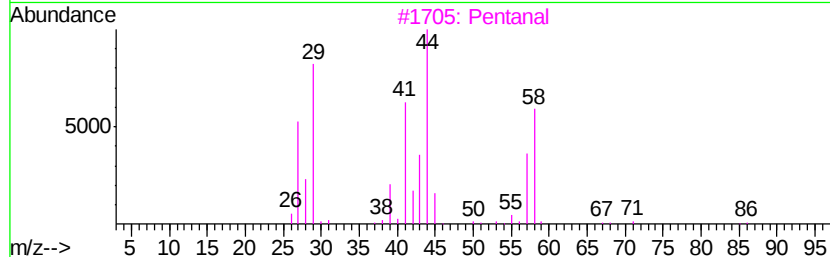
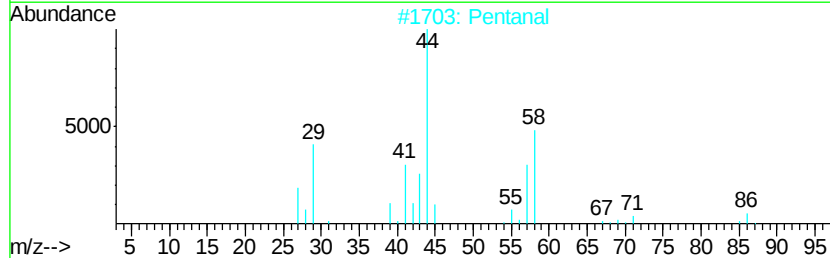
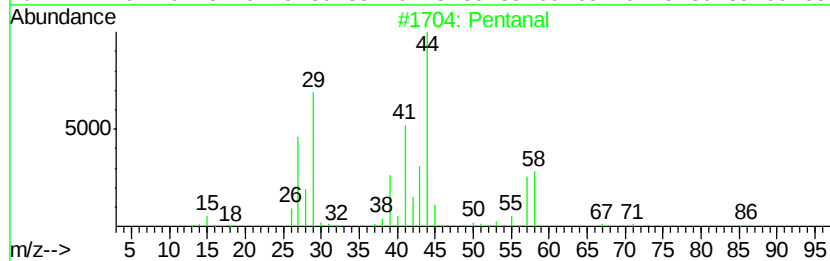
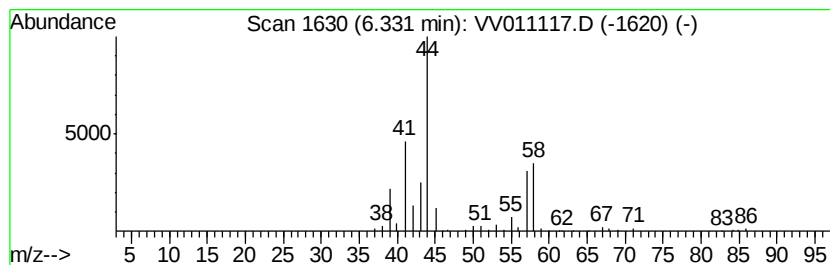
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	18.46 ug/L	164109	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	91
2		Pentanal	86	C5H10O	000110-62-3	64
3		Pentanal	86	C5H10O	000110-62-3	52
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	40
5		Cyclopropyl carbinol	72	C4H8O	002516-33-8	38



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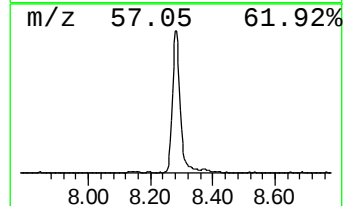
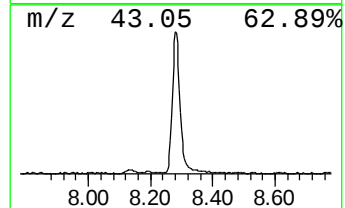
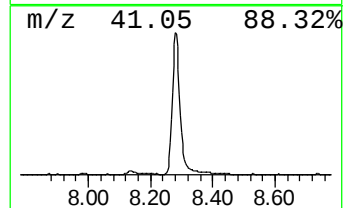
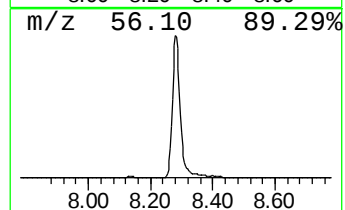
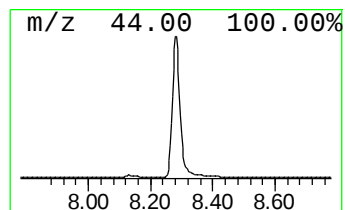
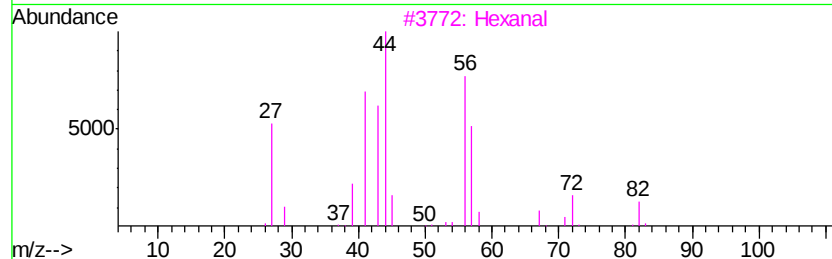
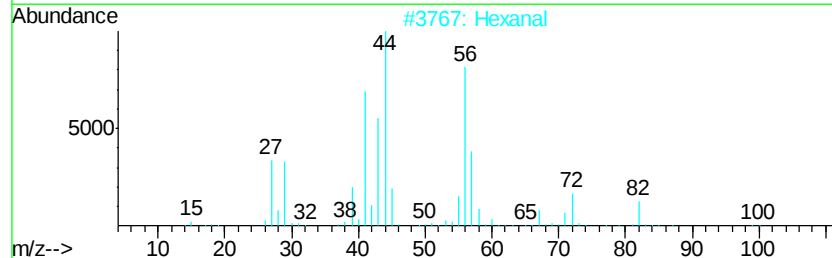
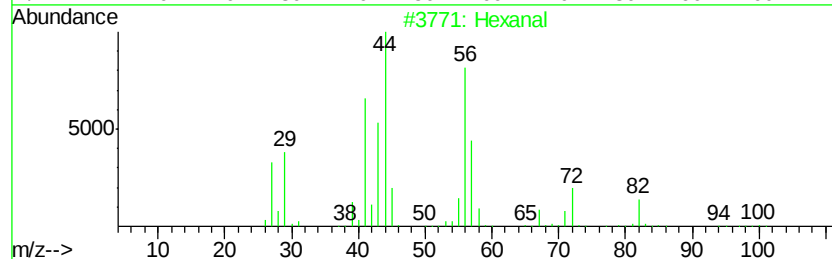
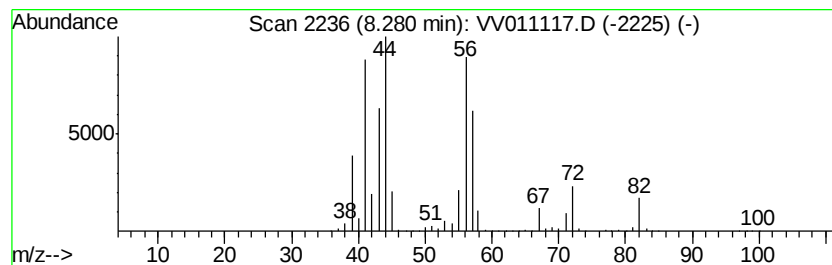
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Quant Title : VOC Analysis

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

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	89.48 ug/L	831264	Chlorobenzene-d5	8.90

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	72
2	Hexanal		100	C6H12O	000066-25-1	72
3	Hexanal		100	C6H12O	000066-25-1	72
4	Hexanal		100	C6H12O	000066-25-1	64
5	Cyclobutanol, 2-ethyl-		100	C6H12O	035301-43-0	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011117.D
Acq On : 29 May 2019 21:53
Operator : SY/MD
Sample : K3017-07
Misc : 3.71G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E0

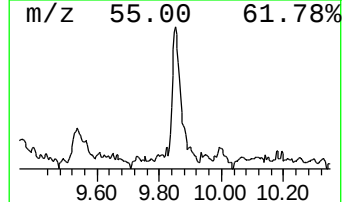
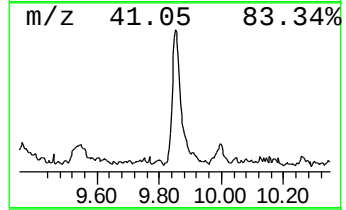
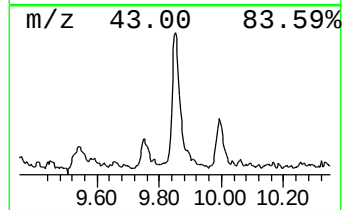
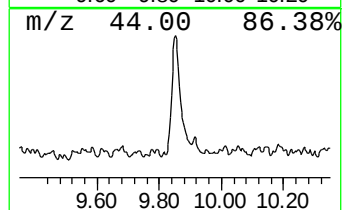
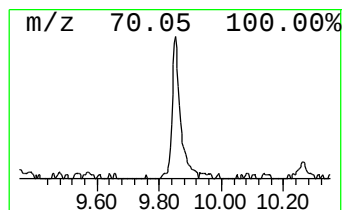
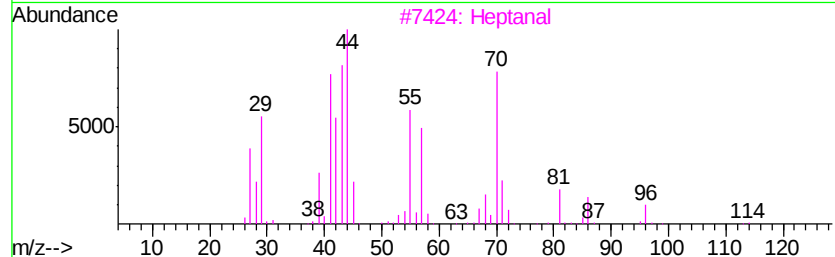
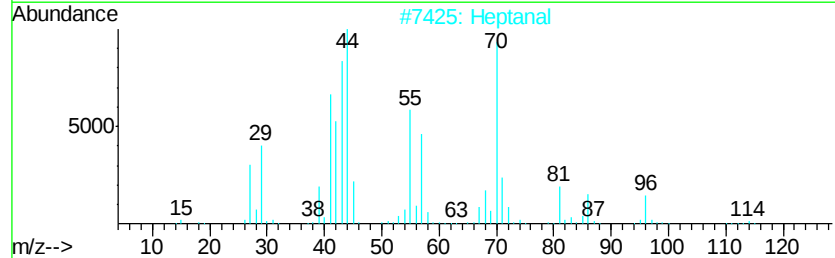
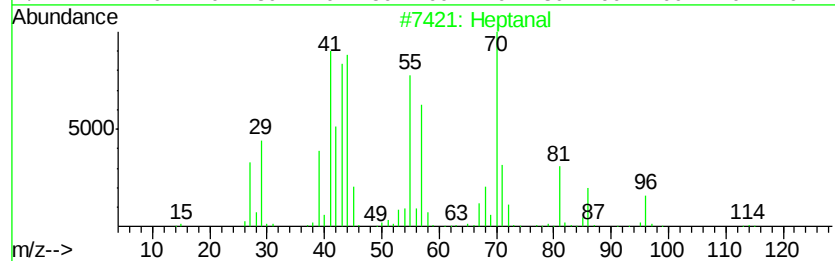
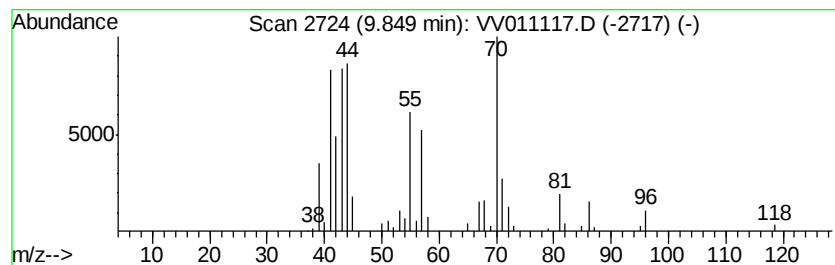
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Quant Title : VOC Analysis

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

Peak Number 5 Heptanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	5.80 ug/L	53899	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	91
2		Heptanal	114	C7H14O	000111-71-7	90
3		Heptanal	114	C7H14O	000111-71-7	90
4		Heptanal	114	C7H14O	000111-71-7	83
5		Heptanal	114	C7H14O	000111-71-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011117.D
Acq On : 29 May 2019 21:53
Operator : SY/MD
Sample : K3017-07
Misc : 3.71G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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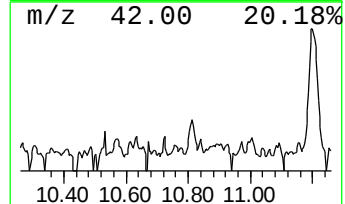
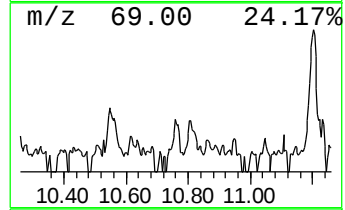
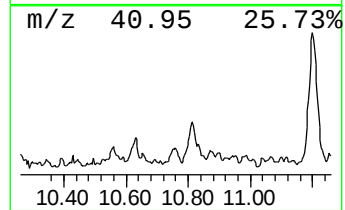
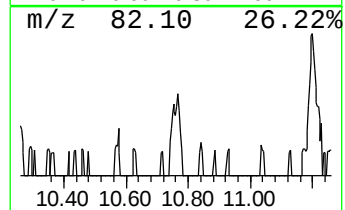
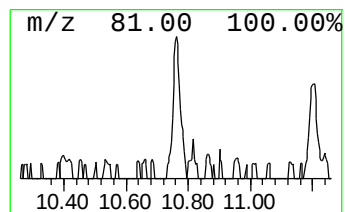
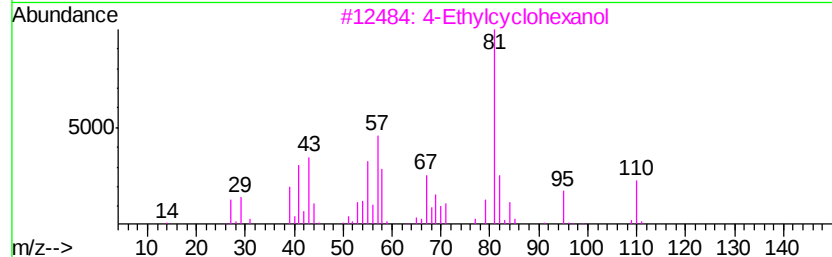
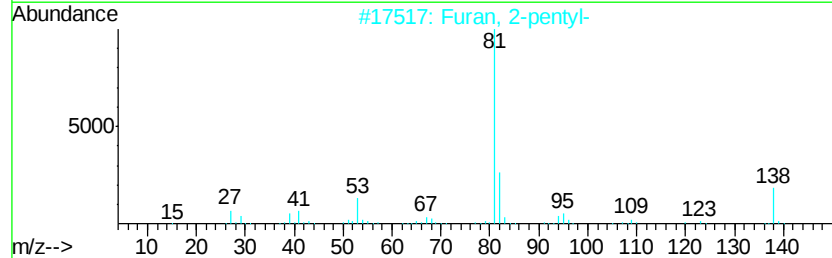
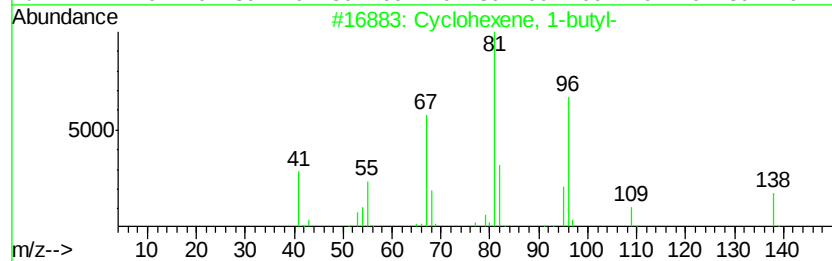
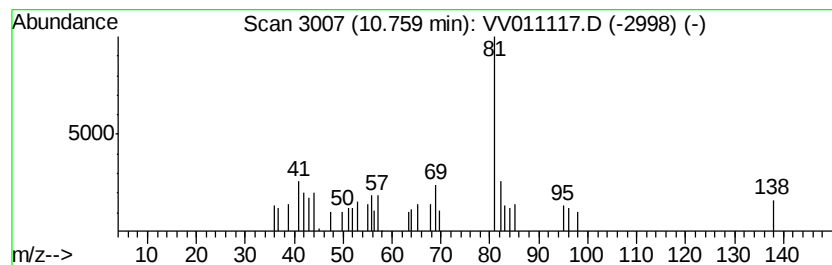
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Quant Title : VOC Analysis

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

Peak Number 6 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	1.58 ug/L	8143	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	40
2		Furan, 2-pentyl-	138	C9H14O	003777-69-3	37
3		4-Ethylcyclohexanol	128	C8H16O	004534-74-1	37
4		1-Undecyne	152	C11H20	002243-98-3	32
5		4-Ethylcyclohexanol	128	C8H16O	004534-74-1	32



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011117.D
Acq On : 29 May 2019 21:53
Operator : SY/MD
Sample : K3017-07
Misc : 3.71G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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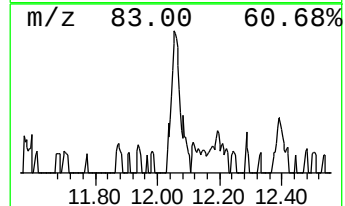
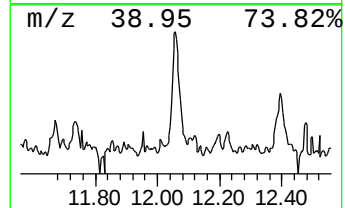
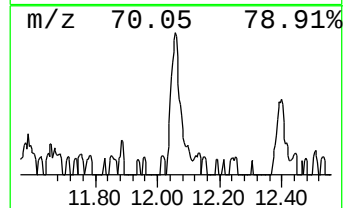
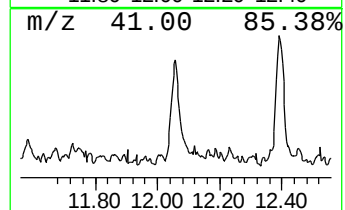
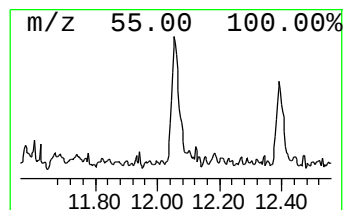
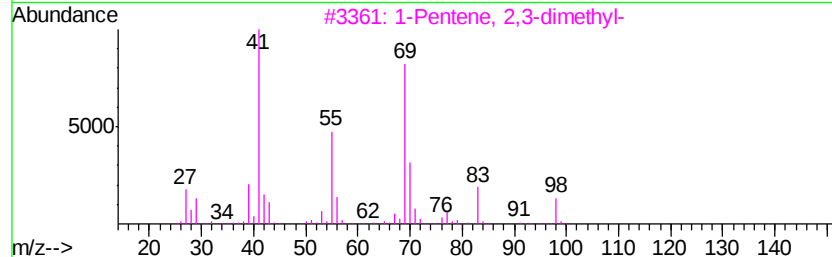
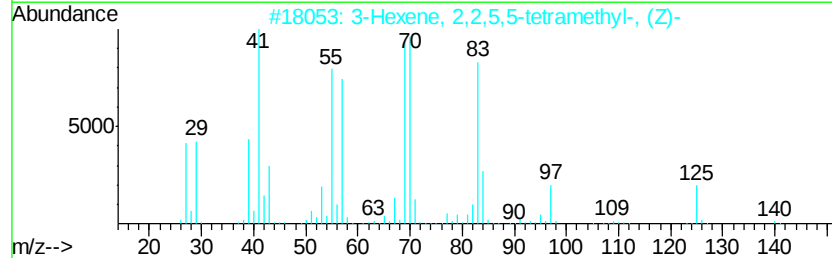
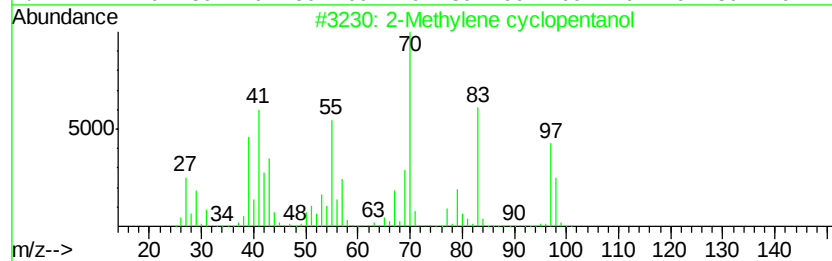
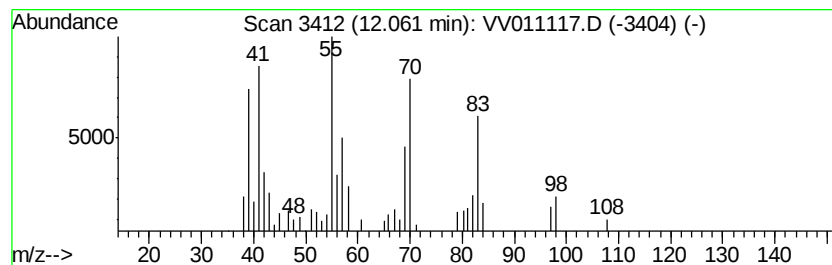
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Quant Title : VOC Analysis

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

Peak Number 7 2-Methylene cyclopentanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.57 ug/L	18413	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylene cyclopentanol	98	C6H10O	020461-31-8	52
2		3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	50
3		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	46
4		2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	46
5		1-Heptene	98	C7H14	000592-76-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011117.D
Acq On : 29 May 2019 21:53
Operator : SY/MD
Sample : K3017-07
Misc : 3.71G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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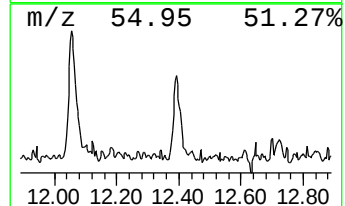
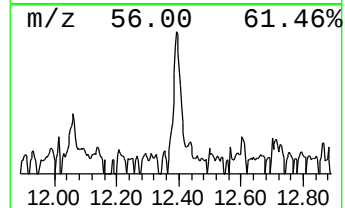
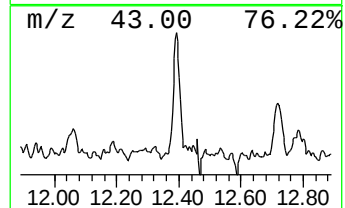
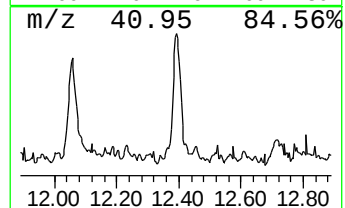
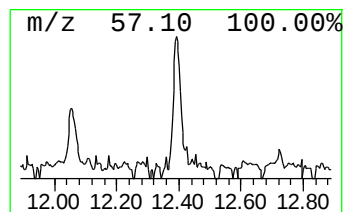
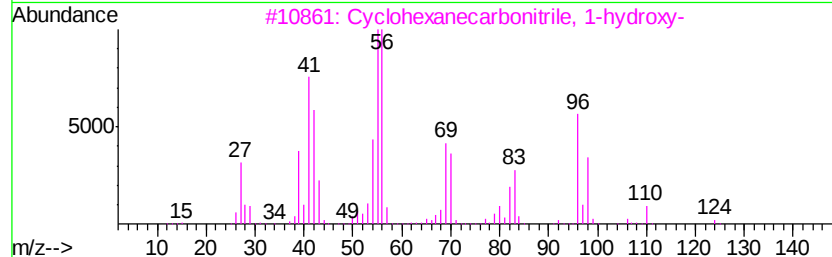
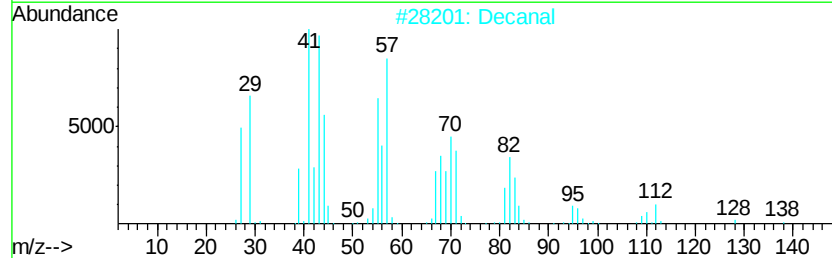
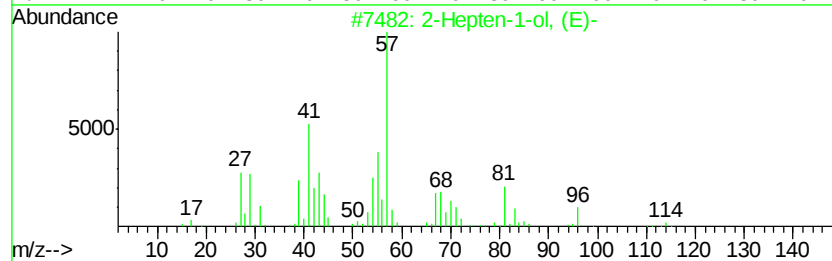
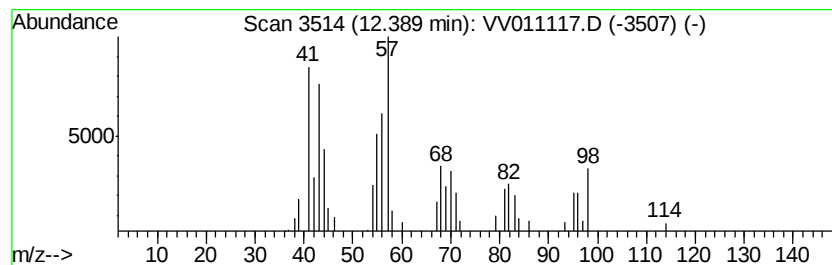
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Quant Title : VOC Analysis

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

Peak Number 8 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	4.72 ug/L	24380	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hepten-1-ol, (E)-	114	C7H14O	033467-76-4	43
2		Decanal	156	C10H20O	000112-31-2	43
3		Cyclohexanecarbonitrile, 1-hydroxy-	125	C7H11NO	000931-97-5	35
4		Cycloheptane	98	C7H14	000291-64-5	30
5		1-Decanol	158	C10H22O	000112-30-1	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011117.D
Acq On : 29 May 2019 21:53
Operator : SY/MD
Sample : K3017-07
Misc : 3.71G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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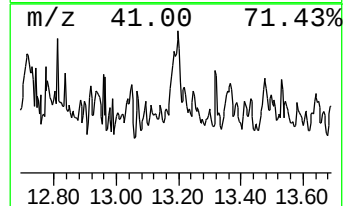
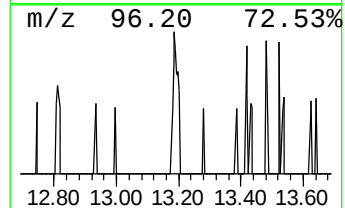
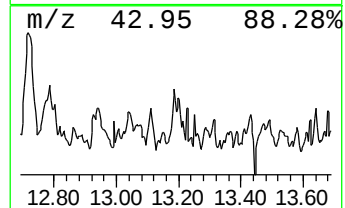
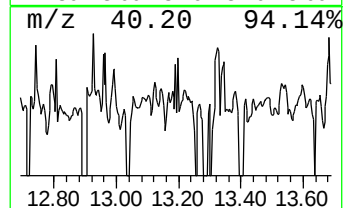
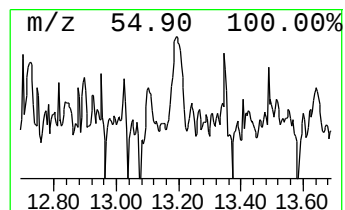
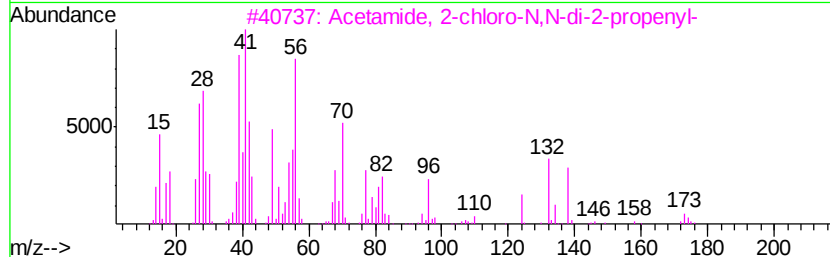
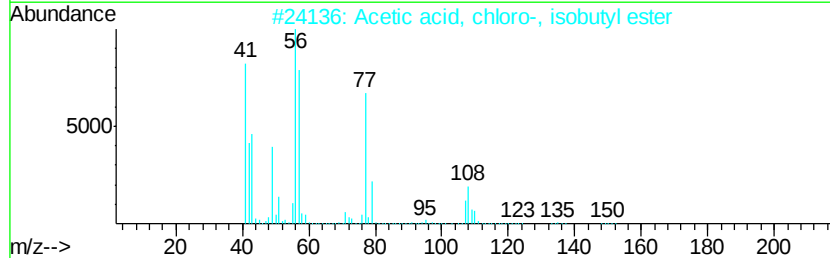
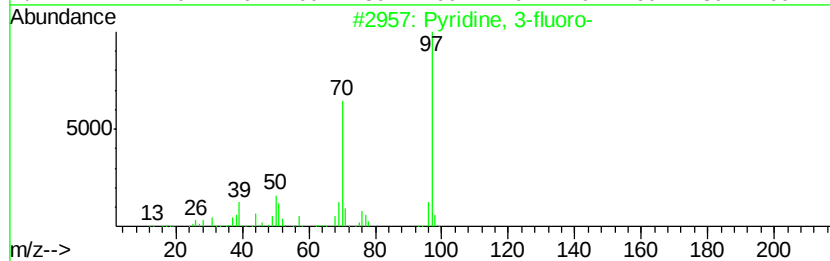
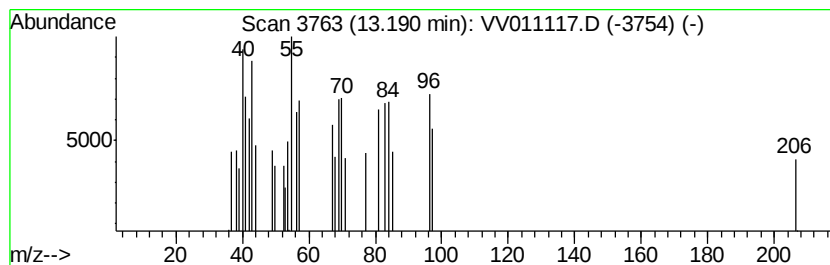
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Quant Title : VOC Analysis

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

Peak Number 9 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	1.69 ug/L	8718	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyridine, 3-fluoro-	97	C5H4FN	000372-47-4	43
2		Acetic acid, chloro-, isobutyl e...	150	C6H11ClO2	013361-35-8	14
3		Acetamide, 2-chloro-N,N-di-2-pro...	173	C8H12ClNO	000093-71-0	14
4		Formic acid, decyl ester	186	C11H22O2	005451-52-5	14
5		4-Tridecene, (Z)-	182	C13H26	041446-54-2	10



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011117.D
Acq On : 29 May 2019 21:53
Operator : SY/MD
Sample : K3017-07
Misc : 3.71G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.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	3.75	3.7	ug/L	32999	1	5.66	222272	25.0
Pentanal	6.33	18.5	ug/L	164109	1	5.66	222272	25.0
Hexanal	8.28	89.5	ug/L	831264	2	8.90	232251	25.0
Heptanal	9.85	5.8	ug/L	53899	2	8.90	232251	25.0
unknown-01	10.76	1.6	ug/L	8143	3	11.30	129008	25.0
2-Methylene cyclo...	12.06	3.6	ug/L	18413	3	11.30	129008	25.0
unknown-02	12.39	4.7	ug/L	24380	3	11.30	129008	25.0
unknown-03	13.19	1.7	ug/L	8718	3	11.30	129008	25.0