

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
 Data File : VV011128.D
 Acq On : 30 May 2019 03:02
 Operator : SY/MD
 Sample : K3017-21
 Misc : 3.91G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51F2

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	1.309	64	68	76	rVB	100624	90853	12.83%	1.967%
2	2.930	570	572	575	rBV4	976	484	0.07%	0.010%
3	2.962	579	582	583	rBV2	1526	725	0.10%	0.016%
4	3.203	651	657	660	rBV4	3087	3622	0.51%	0.078%
5	3.274	676	679	681	rBV3	1303	764	0.11%	0.017%
6	3.299	684	687	690	rBV3	686	507	0.07%	0.011%
7	3.438	726	730	731	rBV4	1131	637	0.09%	0.014%
8	3.479	741	743	746	rVV3	894	436	0.06%	0.009%
9	3.499	746	749	751	rVB4	1474	718	0.10%	0.016%
10	3.544	756	763	765	rBV7	1798	1972	0.28%	0.043%
11	3.650	793	796	800	rBV4	943	709	0.10%	0.015%
12	3.746	816	826	836	rBV4	10731	23871	3.37%	0.517%
13	3.936	873	885	903	rBV	30932	87740	12.39%	1.900%
14	4.216	970	972	975	rBV3	1158	632	0.09%	0.014%
15	4.241	978	980	982	rBV3	1106	450	0.06%	0.010%
16	4.293	993	996	999	rBV5	1043	678	0.10%	0.015%
17	4.393	1010	1027	1049	rBV	113019	277951	39.24%	6.019%
18	4.778	1143	1147	1149	rBV4	1402	1064	0.15%	0.023%
19	4.881	1177	1179	1181	rVB3	1276	544	0.08%	0.012%
20	4.987	1207	1212	1216	rBV7	1390	1586	0.22%	0.034%
21	5.087	1225	1243	1273	rBV3	284128	708336	100.00%	15.338%
22	5.335	1316	1320	1322	rBV5	1420	848	0.12%	0.018%
23	5.370	1322	1331	1340	rBV6	8368	16249	2.29%	0.352%
24	5.659	1408	1421	1444	rBV	218487	432448	61.05%	9.364%
25	5.843	1476	1478	1481	rBV3	1240	911	0.13%	0.020%
26	5.878	1487	1489	1493	rBV5	1010	707	0.10%	0.015%
27	5.962	1504	1515	1525	rBV5	6515	13642	1.93%	0.295%
28	6.023	1530	1534	1541	rVB8	1616	1557	0.22%	0.034%
29	6.052	1541	1543	1546	rBV4	778	565	0.08%	0.012%
30	6.113	1548	1562	1582	rBV	163278	334414	47.21%	7.241%
31	6.328	1620	1629	1646	rBV2	49509	94178	13.30%	2.039%
32	6.518	1686	1688	1689	rBV2	1325	614	0.09%	0.013%
33	6.669	1732	1735	1737	rBV3	1064	756	0.11%	0.016%
34	6.859	1792	1794	1799	rVB4	1188	795	0.11%	0.017%

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Integration Parameters: LSCINT.P

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 Title : VOC Analysis

35	6.936	1816	1818	1822	rBV4	826	420	0.06%	0.009%
36	6.958	1822	1825	1828	rBV3	1366	1031	0.15%	0.022%
37	6.978	1829	1831	1834	rVV3	908	544	0.08%	0.012%
38	7.026	1836	1846	1859	rVV	84746	149503	21.11%	3.237%
39	7.180	1889	1894	1895	rBV5	2220	1748	0.25%	0.038%
40	7.232	1908	1910	1913	rVB4	880	541	0.08%	0.012%
41	7.299	1928	1931	1932	rBV3	954	696	0.10%	0.015%
42	7.357	1940	1949	1963	rVB	286016	478975	67.62%	10.372%
43	7.505	1993	1995	1997	rBV3	1071	503	0.07%	0.011%
44	7.518	1997	1999	2002	rVV4	1380	786	0.11%	0.017%
45	7.662	2034	2044	2056	rBV2	52266	90077	12.72%	1.951%
46	7.875	2106	2110	2111	rBV3	817	476	0.07%	0.010%
47	7.900	2115	2118	2119	rBV3	821	566	0.08%	0.012%
48	7.984	2134	2144	2151	rBV4	7037	13471	1.90%	0.292%
49	8.077	2170	2173	2177	rVB4	1666	1117	0.16%	0.024%
50	8.132	2177	2190	2216	rBV2	97339	198065	27.96%	4.289%
51	8.280	2226	2236	2265	rBV	287306	488442	68.96%	10.577%
52	8.531	2306	2314	2316	rBV7	1644	1839	0.26%	0.040%
53	8.624	2339	2343	2344	rBV3	964	580	0.08%	0.013%
54	8.794	2394	2396	2400	rVB5	836	558	0.08%	0.012%
55	8.820	2400	2404	2407	rVB4	963	763	0.11%	0.017%
56	8.849	2409	2413	2414	rBV4	990	710	0.10%	0.015%
57	8.894	2414	2427	2449	rBV	259146	433591	61.21%	9.389%
58	9.087	2485	2487	2490	rBV3	779	413	0.06%	0.009%
59	9.183	2507	2517	2523	rBV3	3334	6292	0.89%	0.136%
60	9.852	2718	2725	2738	rBV4	17723	29002	4.09%	0.628%
61	10.035	2779	2782	2784	rBV4	925	699	0.10%	0.015%
62	10.090	2795	2799	2803	rBV6	1623	1530	0.22%	0.033%
63	10.228	2832	2842	2844	rBV4	29867	40754	5.75%	0.882%
64	10.495	2923	2925	2927	rBV3	1443	809	0.11%	0.018%
65	10.514	2929	2931	2936	rVB4	686	435	0.06%	0.009%
66	10.553	2936	2943	2948	rBV9	5333	7876	1.11%	0.171%
67	10.698	2986	2988	2991	rVB4	1067	580	0.08%	0.013%
68	10.714	2991	2993	2995	rBV3	829	473	0.07%	0.010%
69	10.736	2997	3000	3001	rBV3	1397	734	0.10%	0.016%
70	10.807	3017	3022	3026	rBV6	2847	3545	0.50%	0.077%
71	10.926	3055	3059	3060	rBV3	1291	821	0.12%	0.018%

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72	11.164	3131	3133	3134	rBV3	1089	400	0.06%	0.009%
73	11.199	3135	3144	3149	rBV7	14083	22406	3.16%	0.485%
74	11.296	3163	3174	3191	rVB	142585	248027	35.02%	5.371%
75	11.576	3253	3261	3270	rBV3	8328	14181	2.00%	0.307%
76	11.672	3281	3291	3304	rBV	132670	216367	30.55%	4.685%
77	11.813	3333	3335	3337	rBV3	1165	744	0.11%	0.016%
78	11.994	3388	3391	3394	rBV4	1602	1192	0.17%	0.026%
79	12.289	3475	3483	3494	rBV2	5683	10847	1.53%	0.235%
80	12.395	3507	3516	3526	rBV8	10722	17823	2.52%	0.386%
81	12.566	3566	3569	3570	rBV3	1471	636	0.09%	0.014%
82	12.778	3631	3635	3644	rVB10	3721	5424	0.77%	0.117%
83	12.842	3648	3655	3657	rBV7	1055	985	0.14%	0.021%
84	12.881	3665	3667	3670	rBV3	982	400	0.06%	0.009%
85	13.003	3699	3705	3715	rBV3	2676	3822	0.54%	0.083%
86	13.071	3724	3726	3727	rBV2	884	394	0.06%	0.009%
87	13.437	3837	3840	3841	rBV3	1068	564	0.08%	0.012%
88	13.846	3964	3967	3968	rBV	839	470	0.07%	0.010%
89	13.907	3983	3986	3987	rBV2	1355	681	0.10%	0.015%
90	14.022	4019	4022	4024	rBV3	965	623	0.09%	0.013%
91	14.061	4031	4034	4036	rBV3	1262	824	0.12%	0.018%
92	14.154	4059	4063	4066	rBV5	1611	1224	0.17%	0.027%
93	14.190	4071	4074	4076	rBV3	1381	672	0.09%	0.015%
94	14.225	4079	4085	4092	rBV10	2622	3379	0.48%	0.073%
95	14.428	4146	4148	4151	rBV4	956	477	0.07%	0.010%
96	14.482	4162	4165	4168	rBV5	1657	1166	0.16%	0.025%
97	14.611	4201	4205	4209	rBV5	956	1005	0.14%	0.022%
98	14.746	4244	4247	4249	rBV4	1297	1023	0.14%	0.022%
99	14.842	4275	4277	4279	rBV3	1055	756	0.11%	0.016%
100	15.103	4356	4358	4360	rBV2	1129	648	0.09%	0.014%

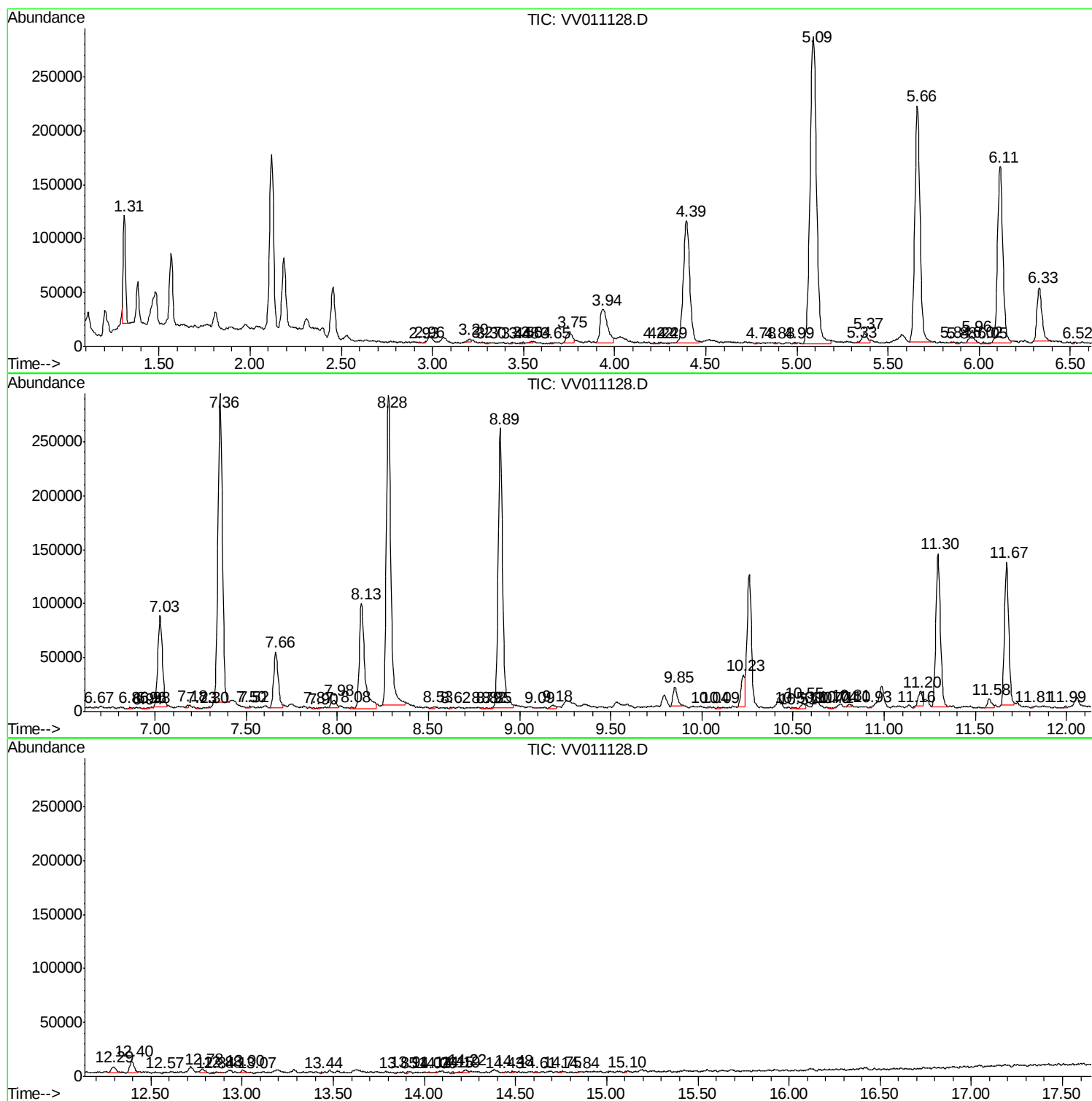
Sum of corrected areas: 4618088

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Instrument :
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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



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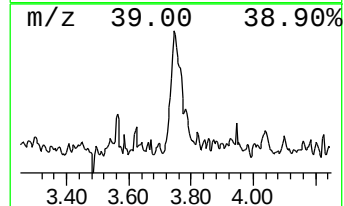
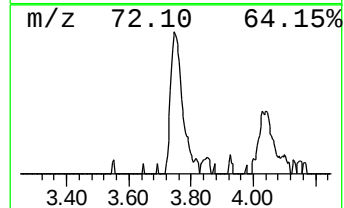
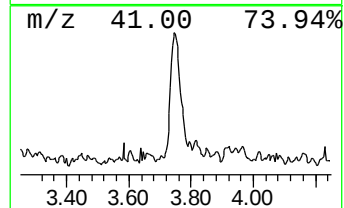
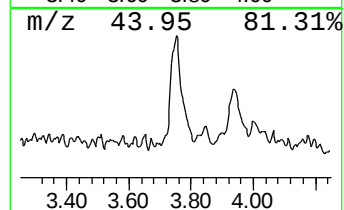
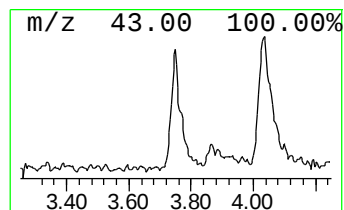
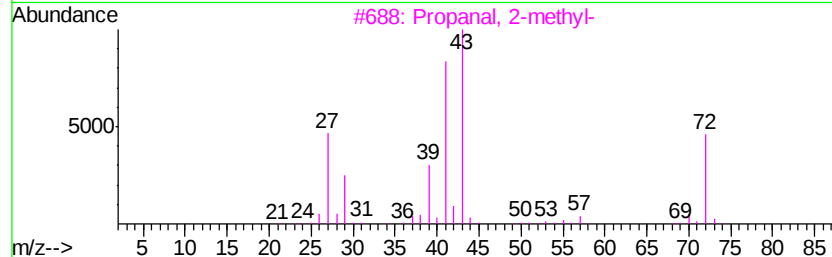
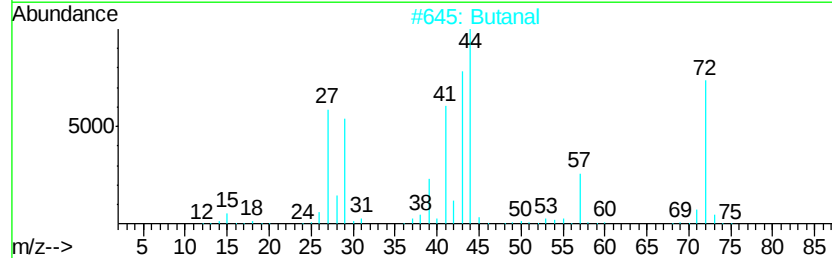
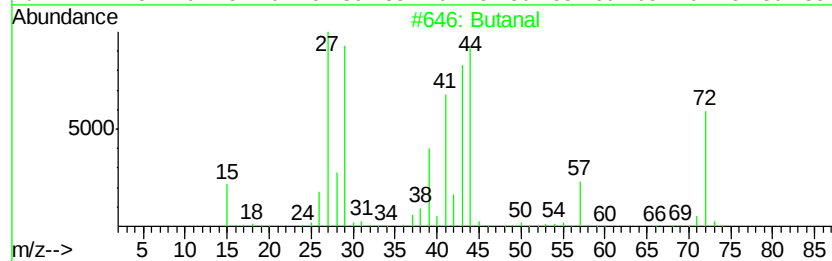
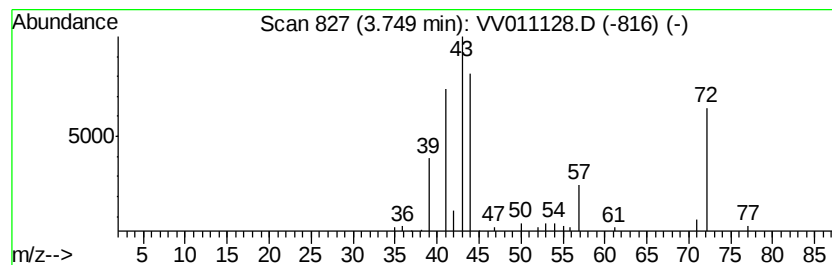
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 1 Butanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	1.38 ug/L	23871	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	53
2		Butanal	72	C4H8O	000123-72-8	52
3		Propanal, 2-methyl-	72	C4H8O	000078-84-2	30
4		1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	27
5		Butanal	72	C4H8O	000123-72-8	25



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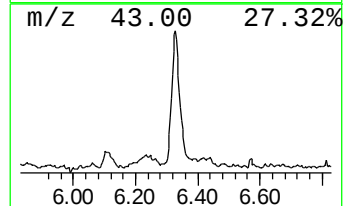
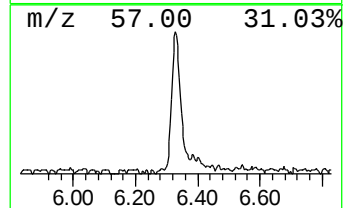
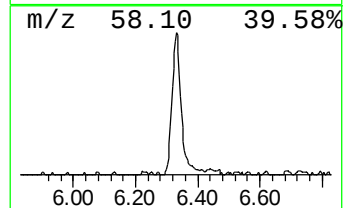
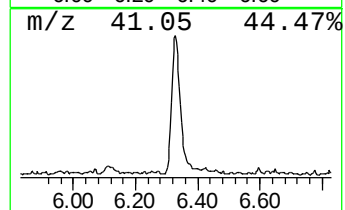
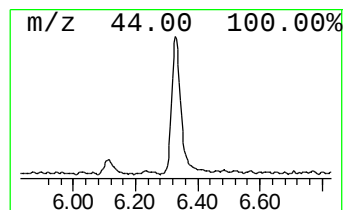
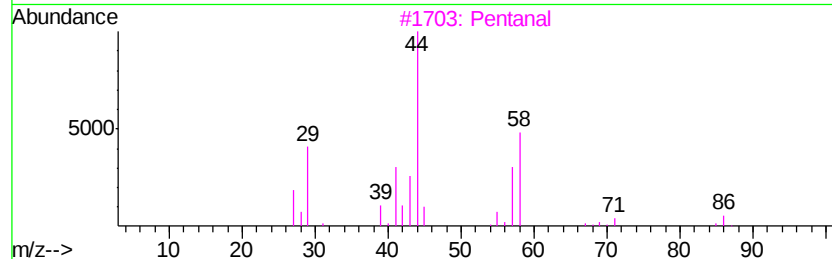
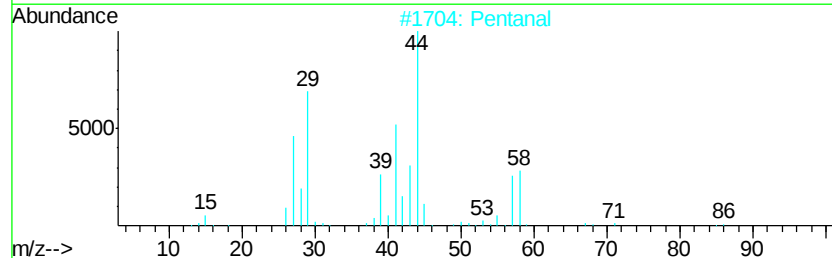
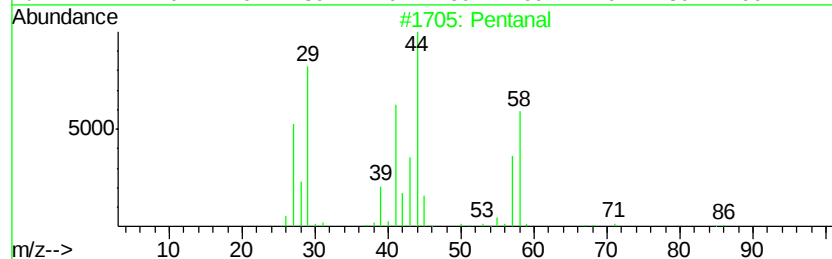
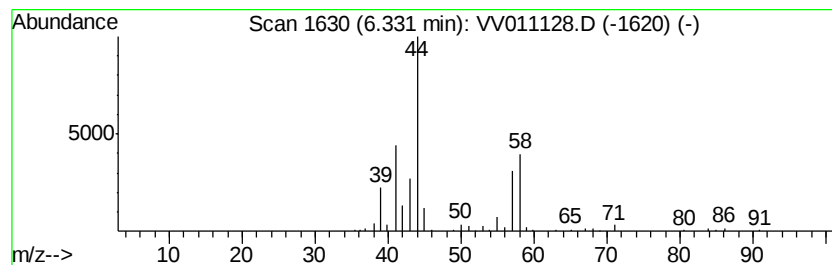
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Quant Title : VOC Analysis

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

Peak Number 2 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	5.44 ug/L	94178	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	78
2		Pentanal	86	C5H10O	000110-62-3	78
3		Pentanal	86	C5H10O	000110-62-3	64
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
5		2-Propanamine	59	C3H9N	000075-31-0	42



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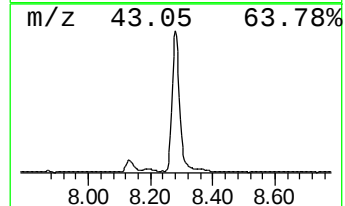
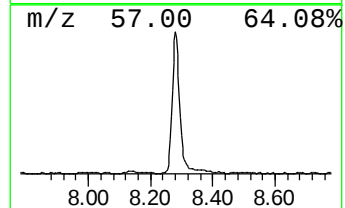
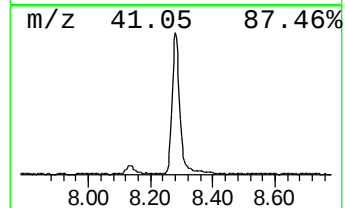
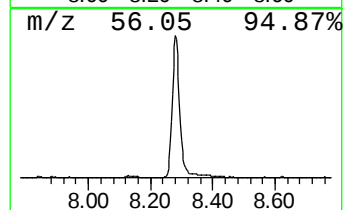
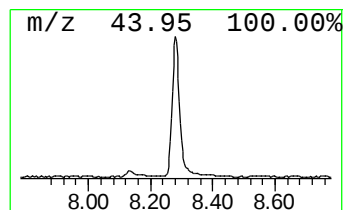
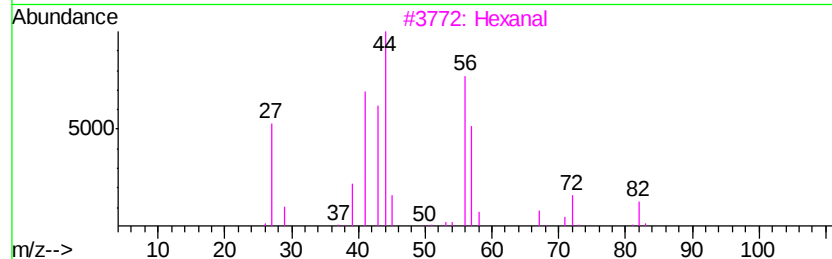
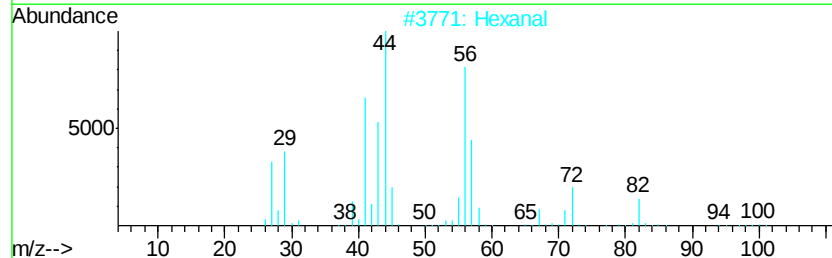
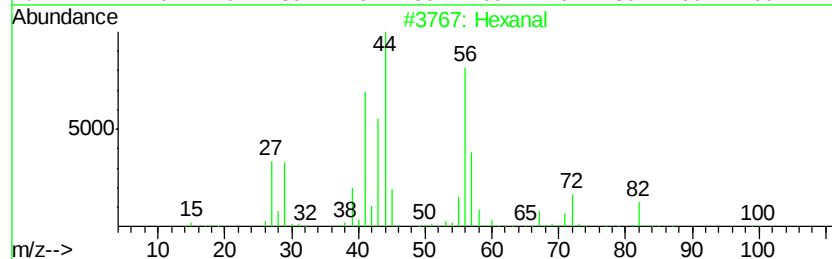
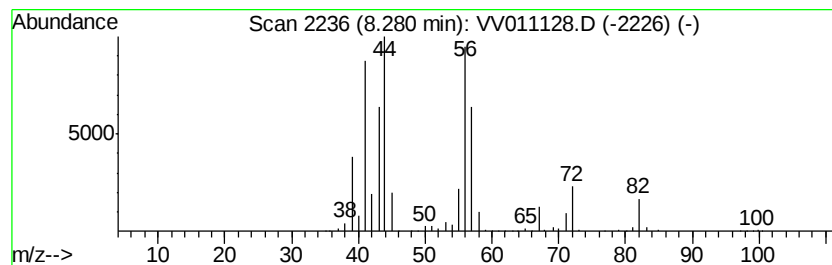
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Quant Title : VOC Analysis

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

Peak Number 3 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	28.16 ug/L	488442	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	87
2	Hexanal		100	C6H12O	000066-25-1	83
3	Hexanal		100	C6H12O	000066-25-1	80
4	Hexanal		100	C6H12O	000066-25-1	53
5	Butanal		72	C4H8O	000123-72-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011128.D
Acq On : 30 May 2019 03:02
Operator : SY/MD
Sample : K3017-21
Misc : 3.91G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F2

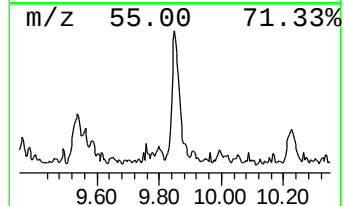
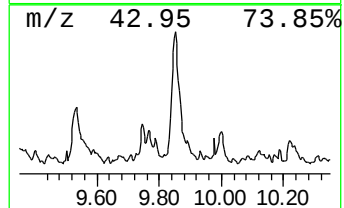
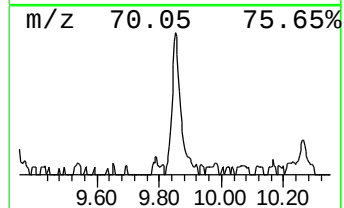
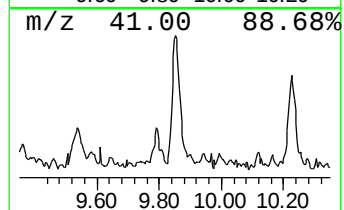
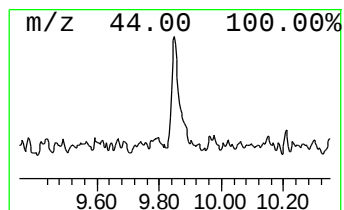
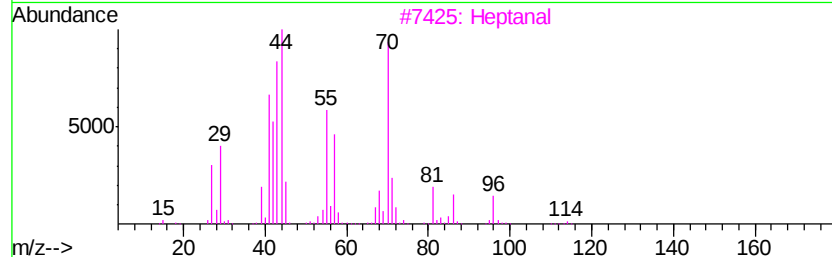
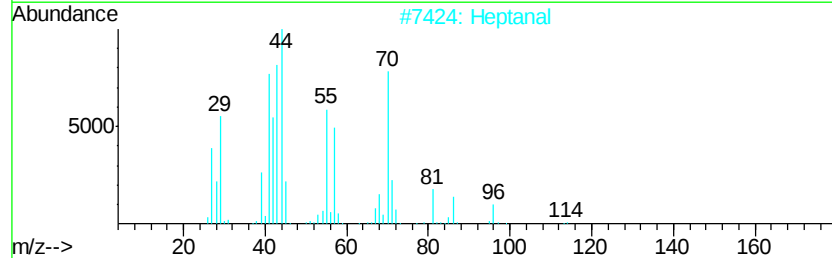
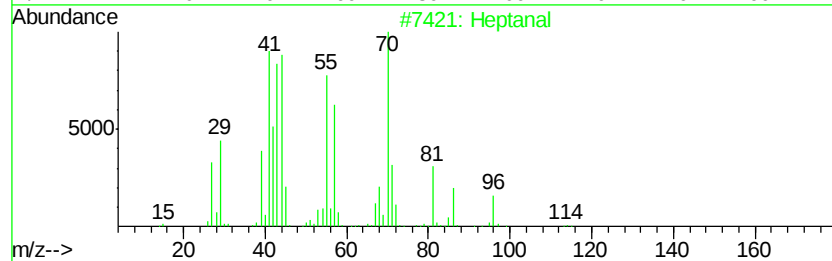
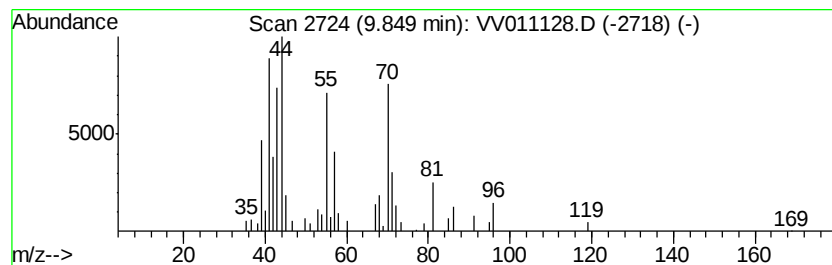
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Quant Title : VOC Analysis

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

Peak Number 4 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	1.67 ug/L	29002	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	90
2		Heptanal	114	C7H14O	000111-71-7	80
3		Heptanal	114	C7H14O	000111-71-7	80
4		Heptanal	114	C7H14O	000111-71-7	72
5		Heptanal	114	C7H14O	000111-71-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011128.D
Acq On : 30 May 2019 03:02
Operator : SY/MD
Sample : K3017-21
Misc : 3.91G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A51F2

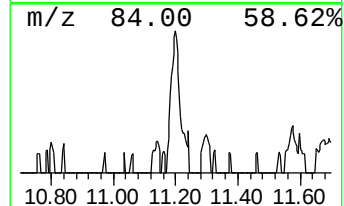
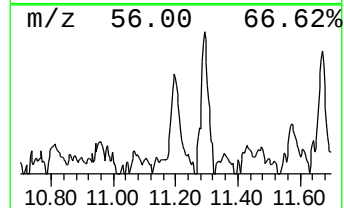
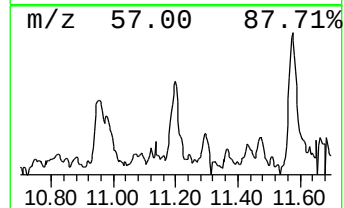
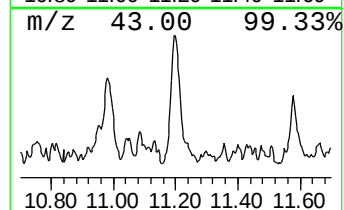
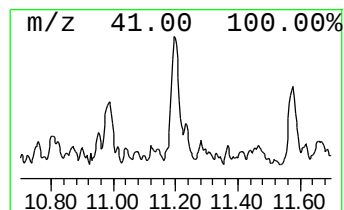
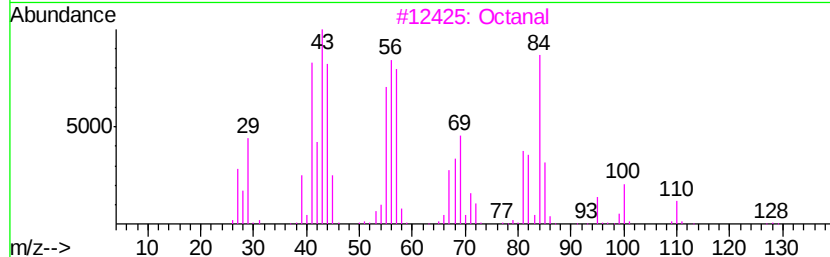
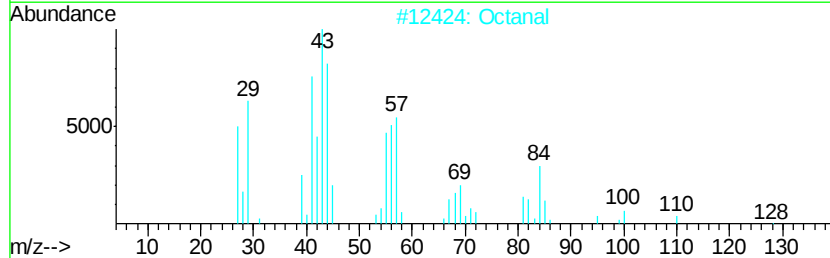
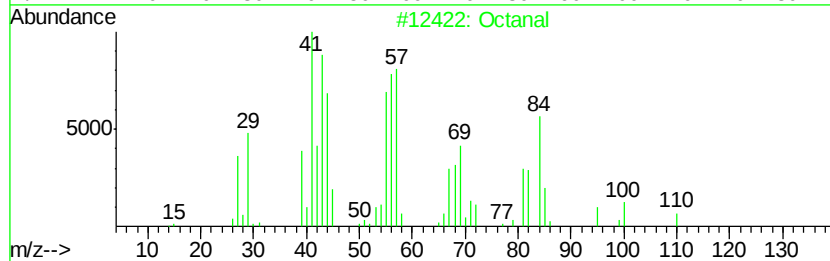
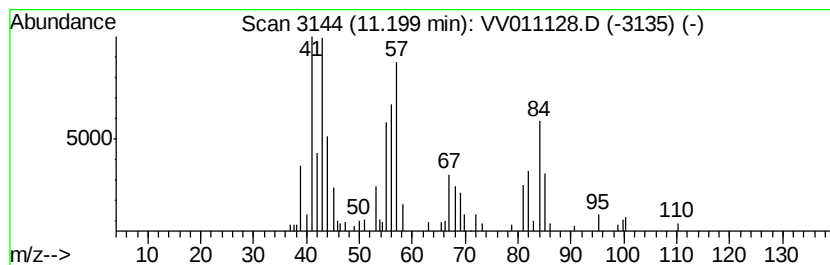
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Quant Title : VOC Analysis

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

Peak Number 5 Octanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.26 ug/L	22406	1,4-Dichlorobenzene-d4	11.29

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal		128	C8H16O	000124-13-0	72
2	Octanal		128	C8H16O	000124-13-0	59
3	Octanal		128	C8H16O	000124-13-0	59
4	Cyclopentanol, 2-methyl-, trans-		100	C6H12O	025144-04-1	41
5	Piperidine, 1,1'-dithiobis-		232	C10H20N2S2	010220-20-9	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011128.D
Acq On : 30 May 2019 03:02
Operator : SY/MD
Sample : K3017-21
Misc : 3.91G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

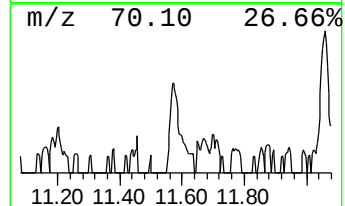
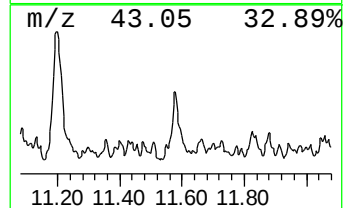
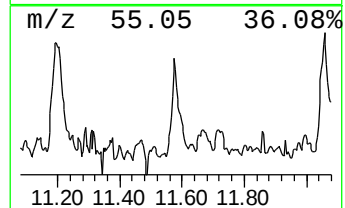
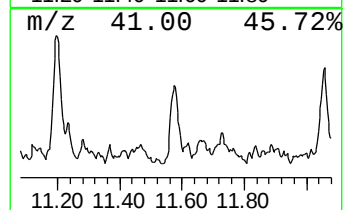
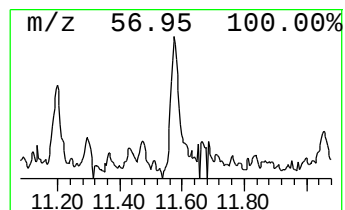
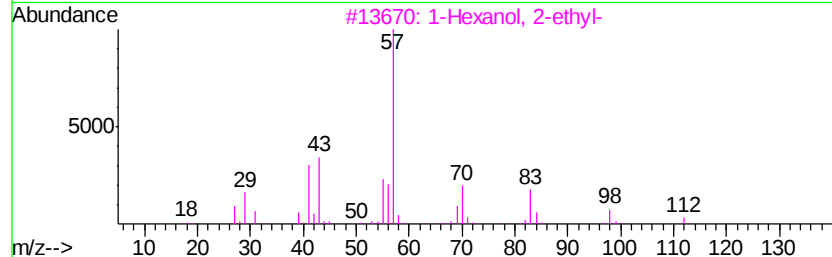
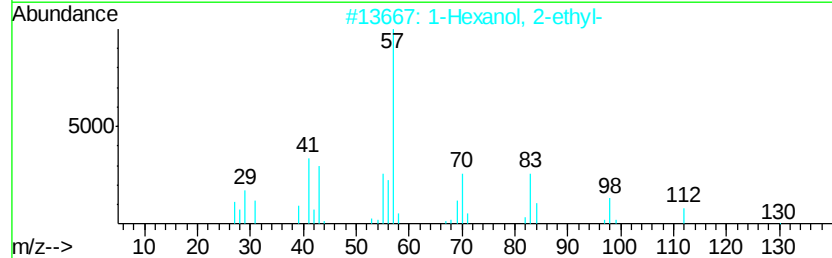
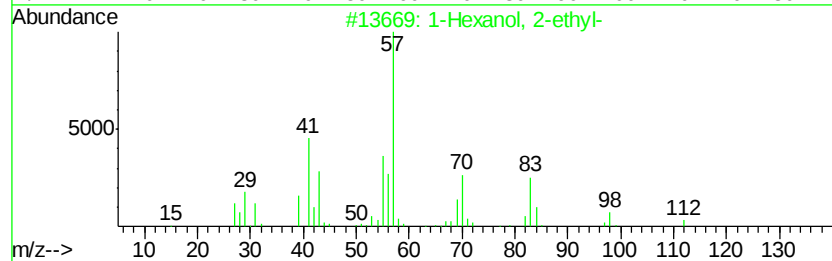
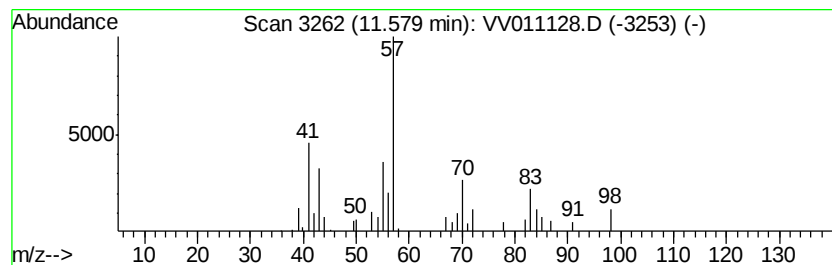
Instrument :
MSVOA_V
ClientSampleId :
A51F2

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

Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.58	1.43 ug/L	14181	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	Oxirane, [[(2-ethylhexyl)oxy]met...	186	C11H22O2	002461-15-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011128.D
Acq On : 30 May 2019 03:02
Operator : SY/MD
Sample : K3017-21
Misc : 3.91G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

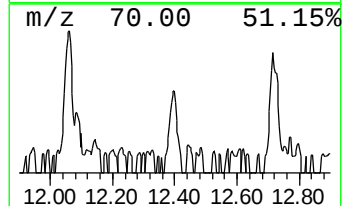
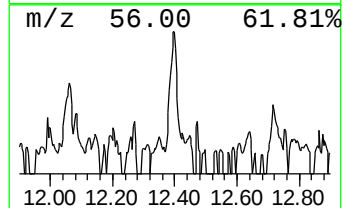
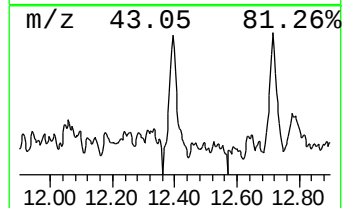
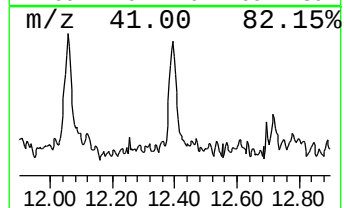
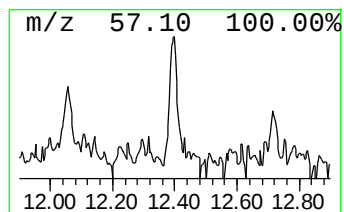
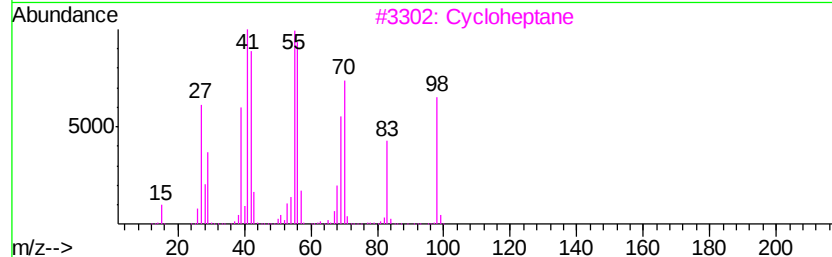
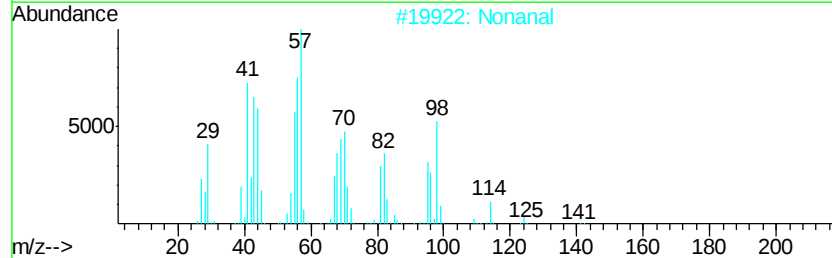
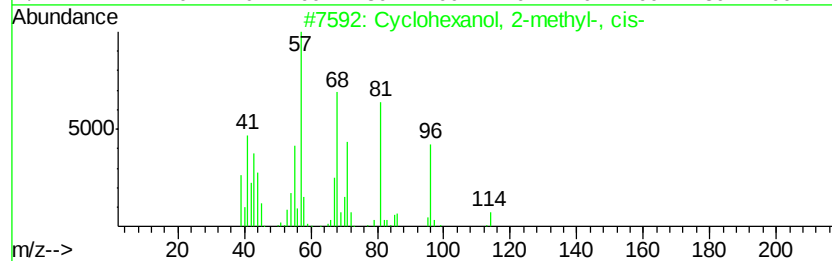
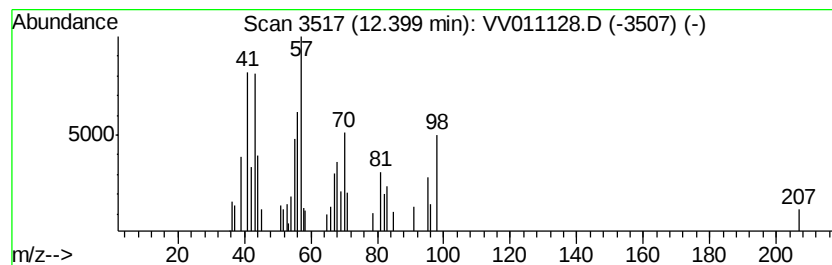
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 7 Cyclohexanol, 2-methyl-, cis- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.40	1.80 ug/L	17823	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexanol, 2-methyl-, cis-	114	C7H14O	007443-70-1	55
2	Nonanal	142	C9H18O	000124-19-6	52
3	Cvcloheptane	98	C7H14	000291-64-5	50
4	Cvcloheptane	98	C7H14	000291-64-5	43
5	Cycloheptane	98	C7H14	000291-64-5	43



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011128.D
Acq On : 30 May 2019 03:02
Operator : SY/MD
Sample : K3017-21
Misc : 3.91G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F2

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	1.4	ug/L	23871	1	5.66	432448	25.0
Pentanal	6.33	5.4	ug/L	94178	1	5.66	432448	25.0
Hexanal	8.28	28.2	ug/L	488442	2	8.89	433591	25.0
Heptanal	9.85	1.7	ug/L	29002	2	8.89	433591	25.0
Octanal	11.20	2.3	ug/L	22406	3	11.29	248027	25.0
1-Hexanol, 2-ethyl-	11.58	1.4	ug/L	14181	3	11.29	248027	25.0
Cyclohexanol, 2-m...	12.40	1.8	ug/L	17823	3	11.29	248027	25.0