

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011067.D
 Acq On : 28 May 2019 17:02
 Operator : SY/MD
 Sample : K3016-10
 Misc : 5.54G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51C9

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	1.315	63	70	77	rVB	287987	264353	14.27%	1.840%
2	1.386	88	92	99	rVB	50368	45741	2.47%	0.318%
3	1.563	140	147	156	rVB	181904	220711	11.91%	1.537%
4	2.119	312	320	331	rVB	438906	617848	33.34%	4.301%
5	2.190	334	342	355	rVB	193680	279180	15.07%	1.944%
6	3.206	651	658	668	rVB	3744	6231	0.34%	0.043%
7	3.251	670	672	676	rVB4	1957	1413	0.08%	0.010%
8	3.749	818	827	839	rBV4	13663	32169	1.74%	0.224%
9	3.936	872	885	908	rBV	79246	208909	11.27%	1.454%
10	4.396	1010	1028	1050	rBV	296633	716469	38.66%	4.988%
11	4.962	1201	1204	1210	rVB8	1528	1401	0.08%	0.010%
12	5.090	1226	1244	1283	rBV2	752195	1853032	100.00%	12.900%
13	5.376	1324	1333	1341	rBV4	7267	14454	0.78%	0.101%
14	5.540	1371	1384	1386	rBV4	4372	8679	0.47%	0.060%
15	5.582	1389	1397	1407	rVV2	16791	34089	1.84%	0.237%
16	5.659	1407	1421	1457	rVV	560162	1141425	61.60%	7.946%
17	5.929	1502	1505	1506	rBV3	2097	1265	0.07%	0.009%
18	6.116	1549	1563	1587	rBV	416518	850255	45.88%	5.919%
19	6.331	1619	1630	1648	rBV2	68080	132803	7.17%	0.925%
20	6.598	1710	1713	1718	rBV6	1536	1342	0.07%	0.009%
21	6.663	1731	1733	1737	rVV4	2210	2018	0.11%	0.014%
22	6.698	1739	1744	1758	rVB2	8056	15151	0.82%	0.105%
23	7.026	1834	1846	1869	rBV	258069	463881	25.03%	3.229%
24	7.145	1877	1883	1886	rBV7	1835	2306	0.12%	0.016%
25	7.190	1889	1897	1904	rVB5	5653	8516	0.46%	0.059%
26	7.357	1929	1949	1966	rBV	849461	1505542	81.25%	10.481%
27	7.592	2019	2022	2025	rVV5	1733	1379	0.07%	0.010%
28	7.608	2025	2027	2032	rVV5	2659	2354	0.13%	0.016%
29	7.662	2033	2044	2059	rVV	162853	271451	14.65%	1.890%
30	7.974	2130	2141	2150	rBV7	12164	27182	1.47%	0.189%
31	8.132	2176	2190	2210	rBV	304299	532022	28.71%	3.704%
32	8.280	2226	2236	2261	rVB	404744	657363	35.47%	4.576%
33	8.894	2412	2427	2452	rBV	773627	1269371	68.50%	8.837%
34	9.042	2468	2473	2476	rBV6	1777	1676	0.09%	0.012%

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35	9.106	2487	2493	2499	rBV9	2136	3087	0.17%	0.021%
36	9.180	2510	2516	2518	rBV7	4333	4785	0.26%	0.033%
37	9.270	2530	2544	2564	rBV3	12680	44622	2.41%	0.311%
38	9.357	2566	2571	2582	rVB9	6769	10297	0.56%	0.072%
39	9.527	2615	2624	2640	rBV2	31411	72042	3.89%	0.502%
40	9.707	2675	2680	2683	rVB7	1985	1402	0.08%	0.010%
41	9.752	2687	2694	2702	rVV6	3480	6627	0.36%	0.046%
42	9.852	2716	2725	2743	rVB	45520	75776	4.09%	0.528%
43	9.942	2748	2753	2754	rBV4	1759	1318	0.07%	0.009%
44	9.994	2766	2769	2780	rVB5	7084	9604	0.52%	0.067%
45	10.151	2816	2818	2821	rVB2	2489	1317	0.07%	0.009%
46	10.260	2835	2852	2869	rVV	325092	517436	27.92%	3.602%
47	10.396	2891	2894	2896	rBV4	2004	1369	0.07%	0.010%
48	10.418	2897	2901	2902	rBV4	5707	4035	0.22%	0.028%
49	10.498	2923	2926	2934	rVB9	2289	2546	0.14%	0.018%
50	10.556	2934	2944	2948	rBV9	7170	11857	0.64%	0.083%
51	10.624	2959	2965	2974	rVB5	6989	8743	0.47%	0.061%
52	10.720	2987	2995	3001	rBV7	6436	10948	0.59%	0.076%
53	10.762	3002	3008	3015	rVB3	9019	12007	0.65%	0.084%
54	10.862	3035	3039	3040	rBV4	2963	2141	0.12%	0.015%
55	10.900	3047	3051	3055	rBV4	4398	4681	0.25%	0.033%
56	10.945	3055	3065	3070	rVV	116504	197689	10.67%	1.376%
57	10.977	3071	3075	3092	rVB	179568	270434	14.59%	1.883%
58	11.193	3129	3142	3149	rBV2	45636	79189	4.27%	0.551%
59	11.293	3163	3173	3194	rVB	494243	819441	44.22%	5.705%
60	11.379	3194	3200	3209	rVB	2510	3837	0.21%	0.027%
61	11.421	3209	3213	3219	rVB8	1715	1780	0.10%	0.012%
62	11.579	3254	3262	3269	rBV2	10722	16882	0.91%	0.118%
63	11.672	3278	3291	3306	rBV	443098	718362	38.77%	5.001%
64	11.823	3334	3338	3346	rBV7	3162	4425	0.24%	0.031%
65	11.936	3367	3373	3375	rBV7	2379	2552	0.14%	0.018%
66	11.984	3386	3388	3392	rVV5	1526	1467	0.08%	0.010%
67	12.055	3401	3410	3425	rBV7	18042	33575	1.81%	0.234%
68	12.190	3448	3452	3457	rVV8	2720	2672	0.14%	0.019%
69	12.293	3473	3484	3492	rBV3	9906	18839	1.02%	0.131%
70	12.392	3506	3515	3529	rBV2	29502	48452	2.61%	0.337%
71	12.595	3575	3578	3583	rVB6	1516	1347	0.07%	0.009%

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72	12.714	3607	3615	3623	rVB3	10545	17285	0.93%	0.120%
73	12.788	3629	3638	3643	rBV10	5138	8330	0.45%	0.058%
74	12.932	3677	3683	3695	rVB10	5133	9477	0.51%	0.066%
75	13.186	3751	3762	3769	rBV10	6894	11319	0.61%	0.079%
76	13.312	3795	3801	3802	rBV7	3580	3120	0.17%	0.022%
77	13.418	3829	3834	3842	rVB10	2981	4177	0.23%	0.029%
78	13.482	3846	3854	3864	rBV10	9209	15781	0.85%	0.110%
79	13.553	3873	3876	3886	rVB3	4687	6342	0.34%	0.044%
80	13.637	3893	3902	3911	rBV5	6381	10511	0.57%	0.073%
81	13.730	3928	3931	3939	rVB10	1710	1632	0.09%	0.011%
82	13.794	3944	3951	3958	rVB10	4900	6886	0.37%	0.048%
83	14.080	4033	4040	4044	rBV9	2686	3298	0.18%	0.023%
84	14.235	4081	4088	4093	rVV8	5259	7655	0.41%	0.053%
85	14.337	4118	4120	4124	rVB5	2262	1538	0.08%	0.011%
86	14.366	4124	4129	4130	rBV4	2452	1924	0.10%	0.013%
87	14.383	4130	4134	4142	rVV10	2827	4149	0.22%	0.029%
88	14.453	4151	4156	4159	rBV6	1308	1425	0.08%	0.010%
89	14.495	4167	4169	4178	rVB10	3249	3731	0.20%	0.026%
90	14.540	4178	4183	4187	rBV7	2381	2654	0.14%	0.018%
91	14.569	4188	4192	4195	rVV6	1960	1482	0.08%	0.010%
92	14.685	4225	4228	4232	rBV5	1925	1628	0.09%	0.011%
93	14.746	4243	4247	4251	rBV7	2089	1742	0.09%	0.012%
94	14.797	4261	4263	4268	rVB5	1754	1252	0.07%	0.009%
95	15.029	4331	4335	4338	rBV	14291	8108	0.44%	0.056%
96	15.067	4343	4347	4349	rBV5	1667	1495	0.08%	0.010%
97	15.283	4412	4414	4420	rBV5	2515	2509	0.14%	0.017%
98	15.315	4420	4424	4425	rBV4	2066	1370	0.07%	0.010%
99	15.653	4524	4529	4530	rBV5	1748	1513	0.08%	0.011%
100	16.376	4751	4754	4759	rBV6	2373	2305	0.12%	0.016%

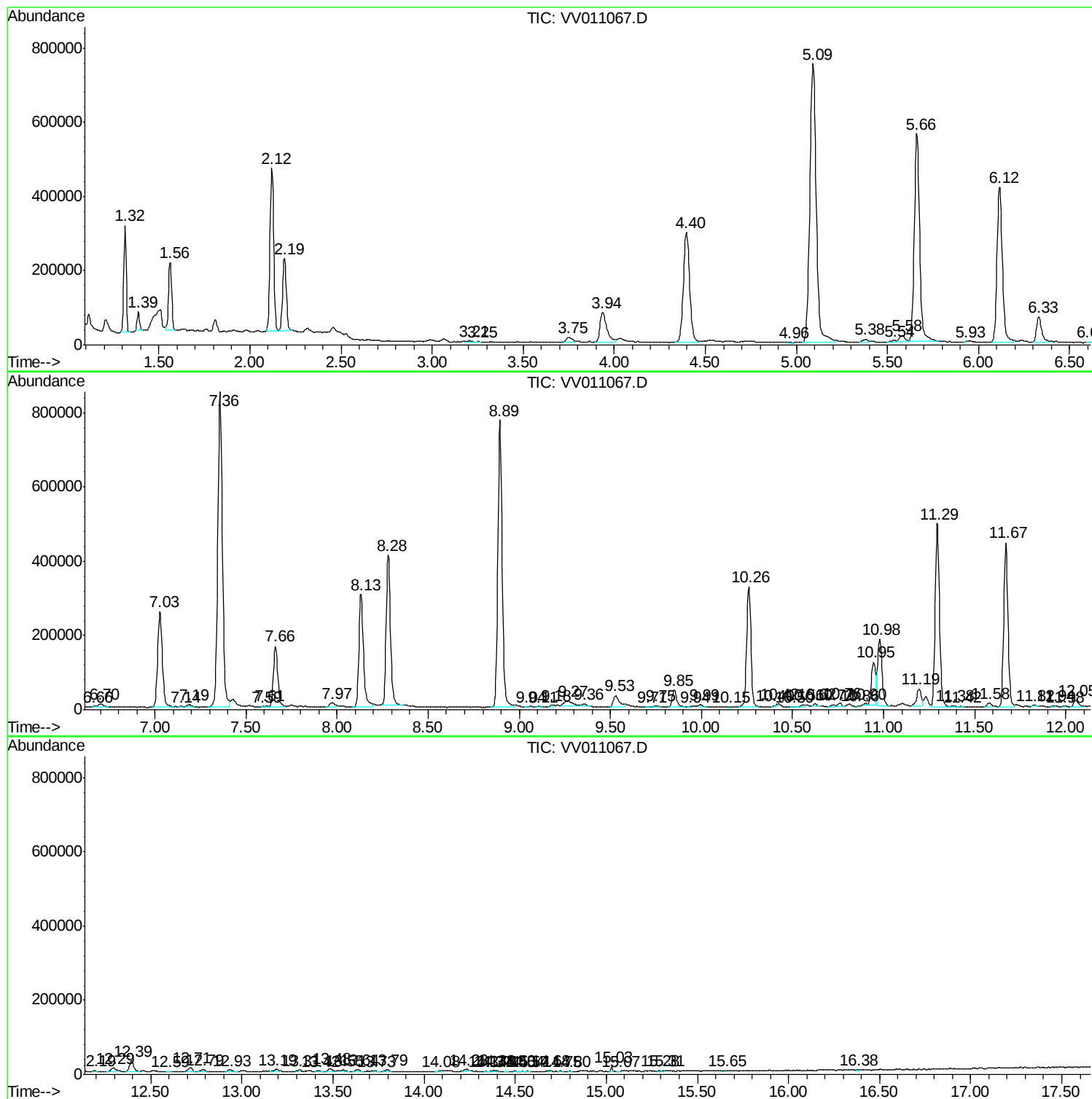
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Instrument :
MSVOA_V
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A51C9

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



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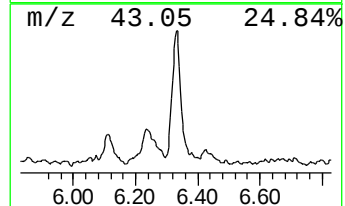
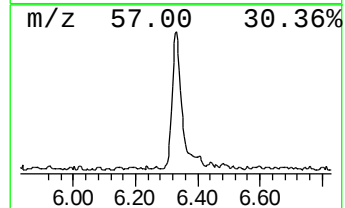
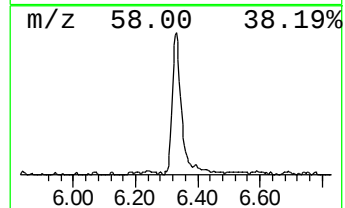
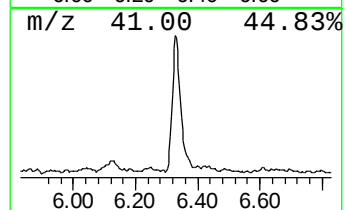
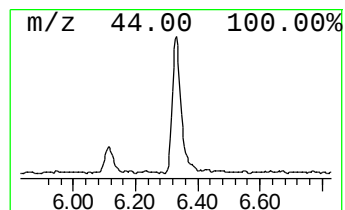
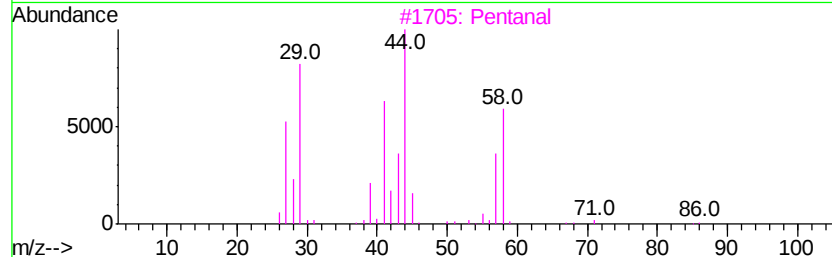
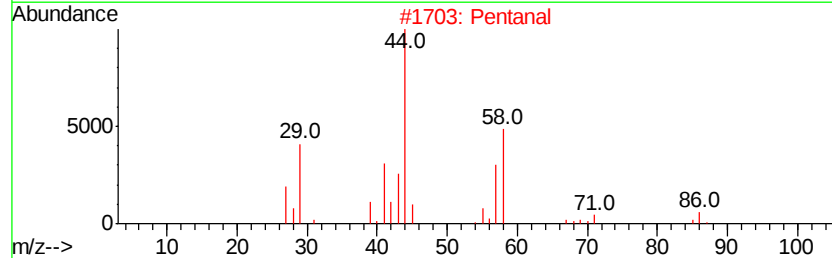
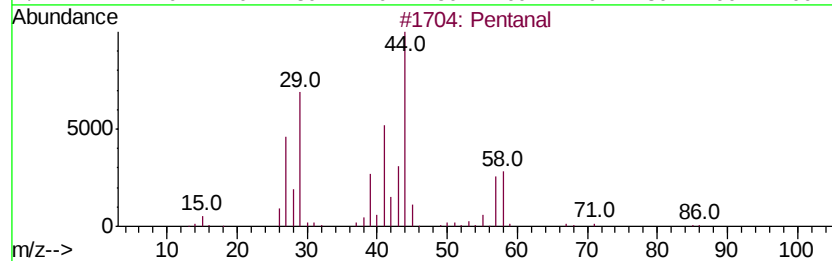
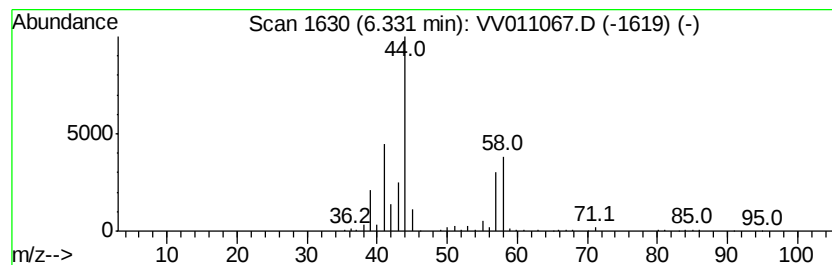
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 1 Pentanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	2.91 ug/L	132803	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	42
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	36
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	33



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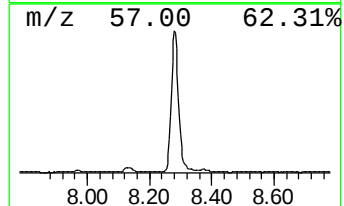
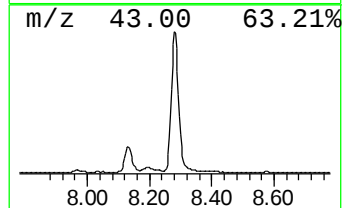
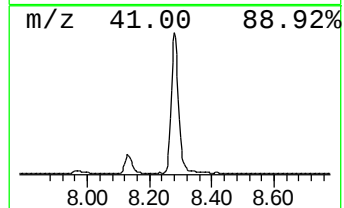
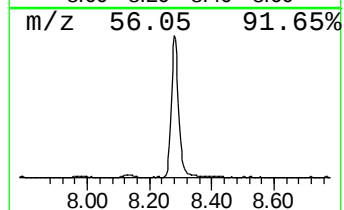
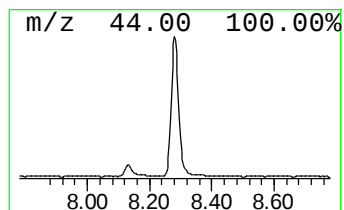
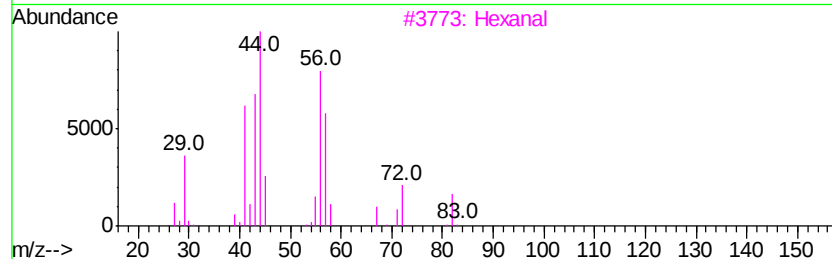
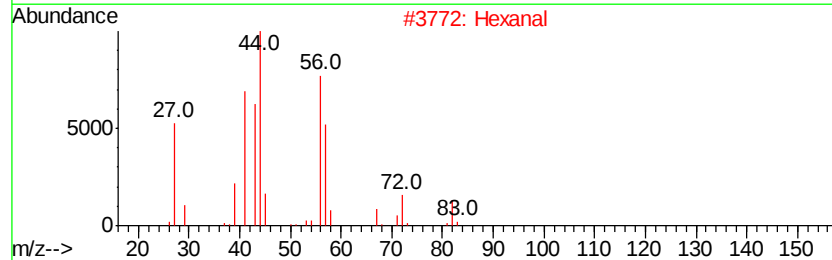
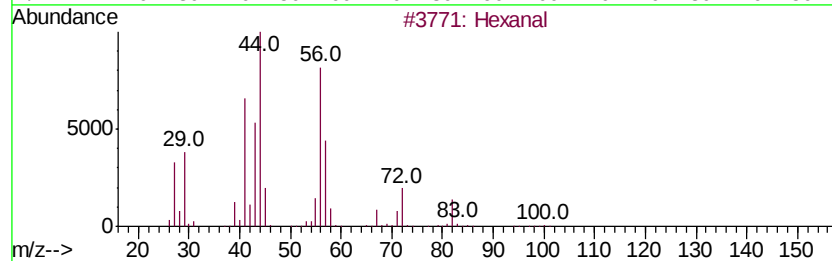
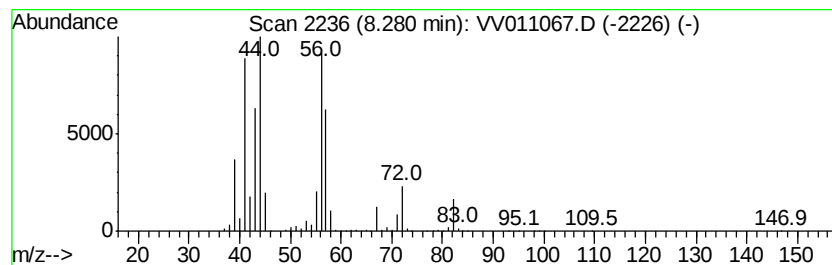
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	12.95 ug/L	657363	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	90
2		Hexanal	100	C6H12O	000066-25-1	90
3		Hexanal	100	C6H12O	000066-25-1	90
4		Hexanal	100	C6H12O	000066-25-1	78
5		Butanal	72	C4H8O	000123-72-8	35



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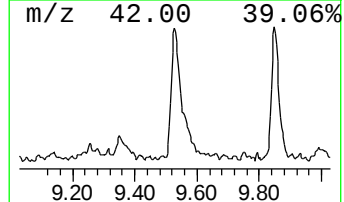
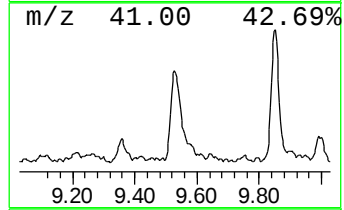
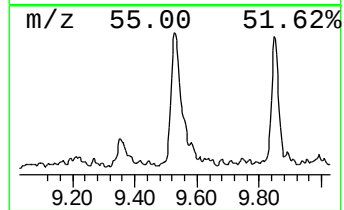
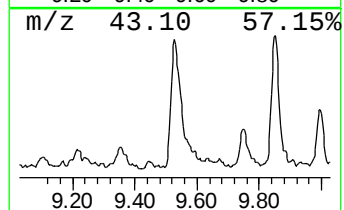
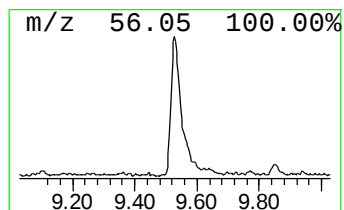
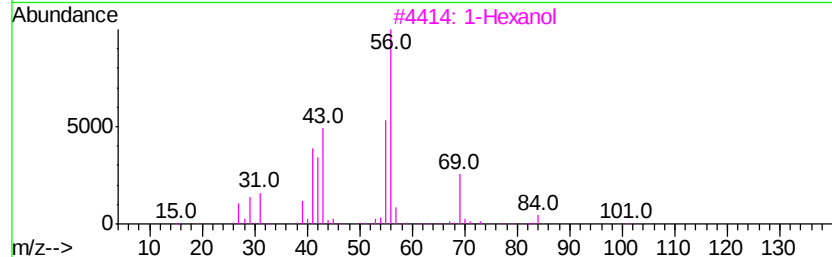
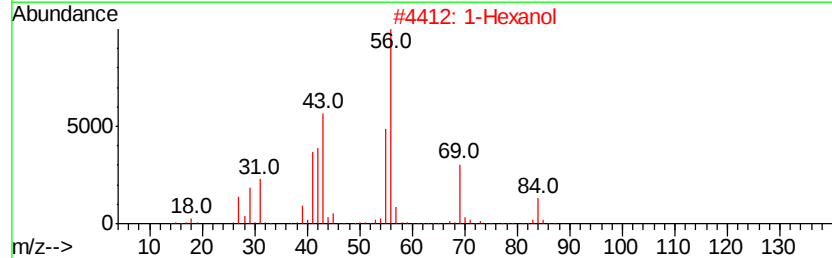
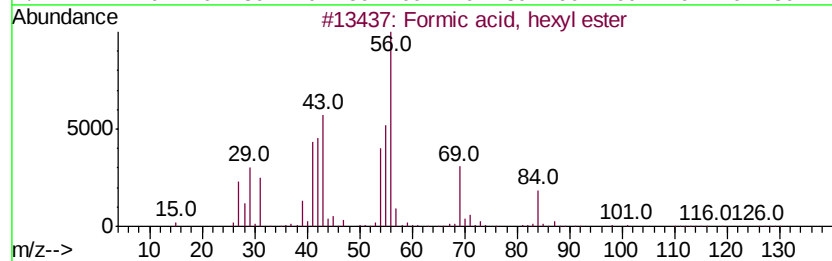
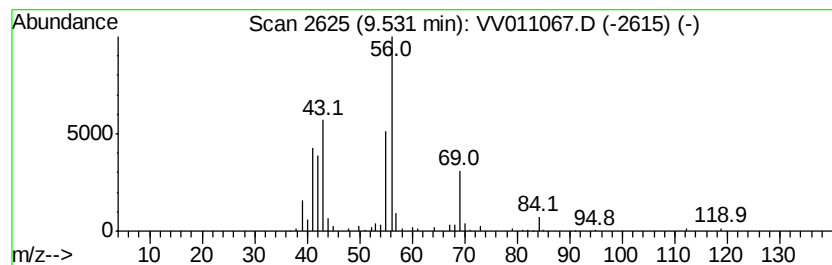
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 4 Formic acid, hexyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	1.42 ug/L	72042	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	83
2		1-Hexanol	102	C6H14O	000111-27-3	78
3		1-Hexanol	102	C6H14O	000111-27-3	78
4		1-Hexanol	102	C6H14O	000111-27-3	78
5		Hexyl chloroformate	164	C7H13ClO2	006092-54-2	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011067.D
Acq On : 28 May 2019 17:02
Operator : SY/MD
Sample : K3016-10
Misc : 5.54G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C9

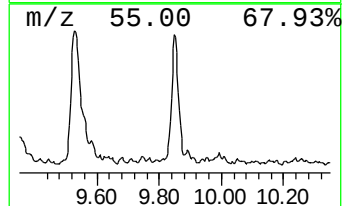
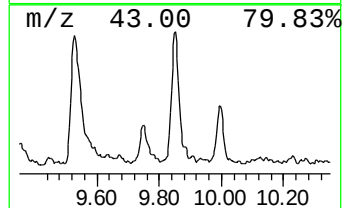
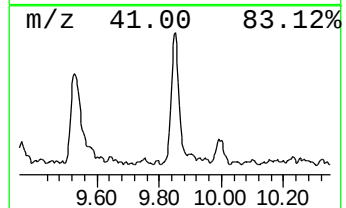
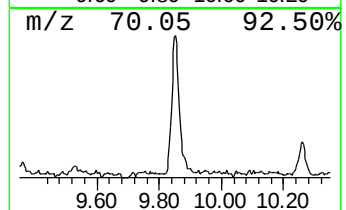
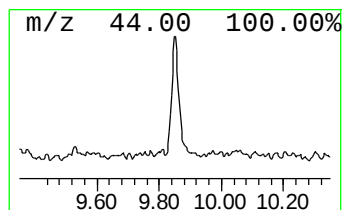
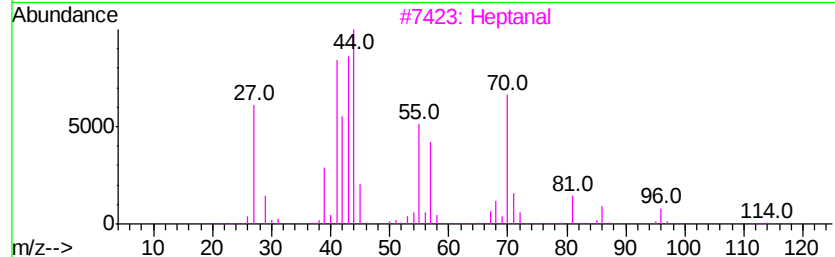
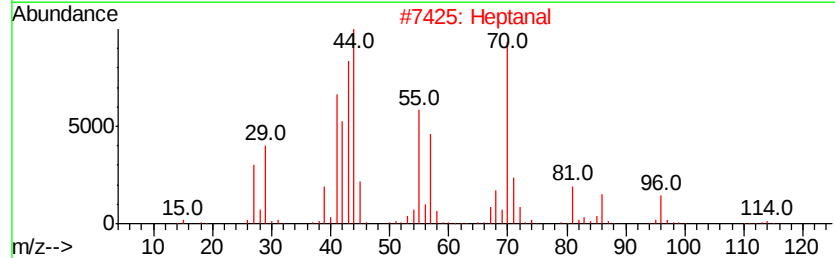
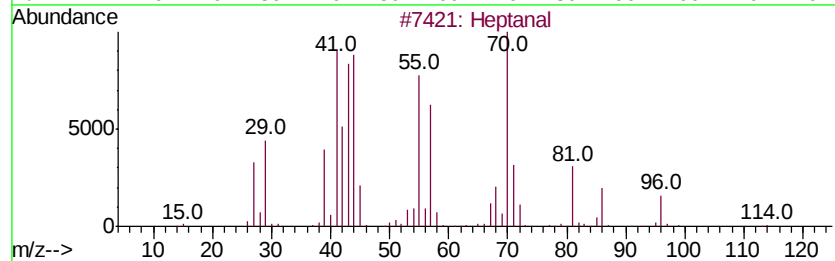
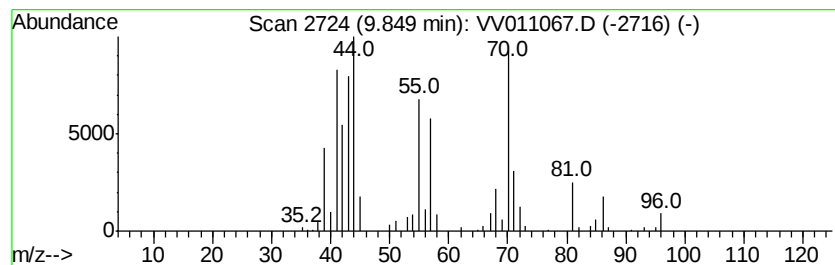
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Quant Title : VOC Analysis

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

Peak Number 5 Heptanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	1.49 ug/L	75776	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal		114	C7H14O	000111-71-7	72
2	Heptanal		114	C7H14O	000111-71-7	72
3	Heptanal		114	C7H14O	000111-71-7	72
4	Heptanal		114	C7H14O	000111-71-7	72
5	Heptanal		114	C7H14O	000111-71-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011067.D
Acq On : 28 May 2019 17:02
Operator : SY/MD
Sample : K3016-10
Misc : 5.54G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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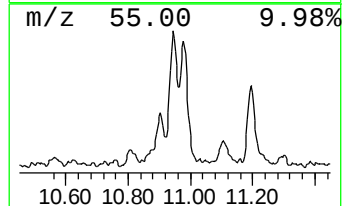
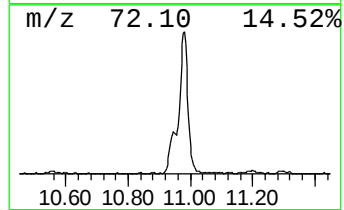
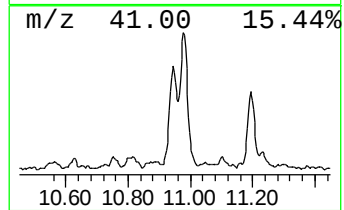
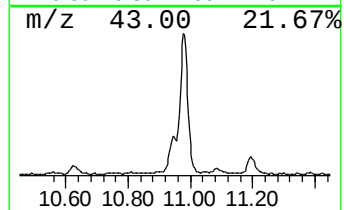
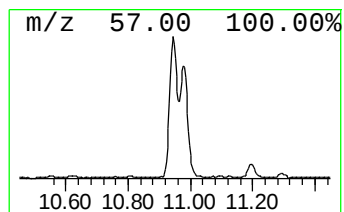
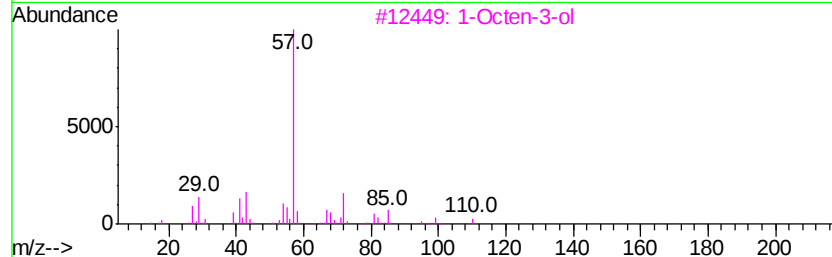
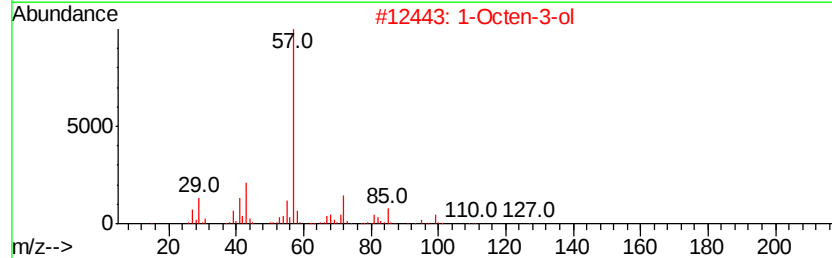
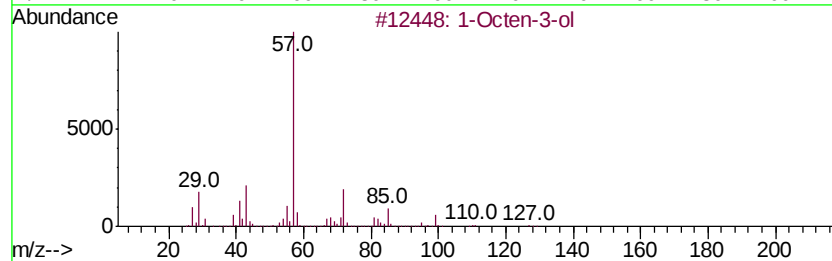
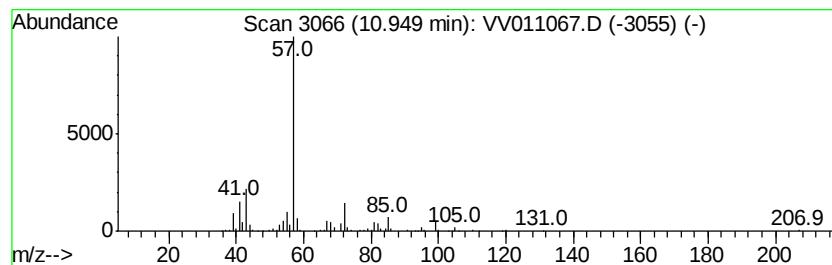
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Quant Title : VOC Analysis

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

Peak Number 6 1-Octen-3-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	6.03 ug/L	197689	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octen-3-ol	128	C8H16O	003391-86-4	86
2		1-Octen-3-ol	128	C8H16O	003391-86-4	72
3		1-Octen-3-ol	128	C8H16O	003391-86-4	53
4		1-Nonen-3-ol	142	C9H18O	021964-44-3	53
5		1-Hexen-3-ol	100	C6H12O	004798-44-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011067.D
Acq On : 28 May 2019 17:02
Operator : SY/MD
Sample : K3016-10
Misc : 5.54G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

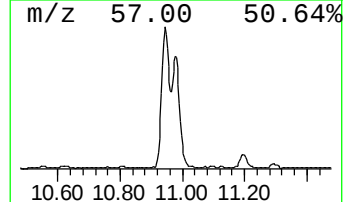
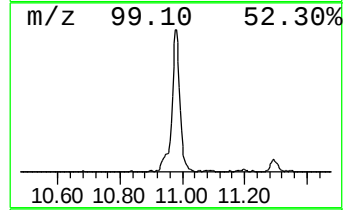
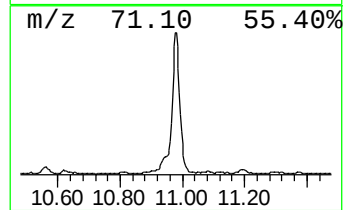
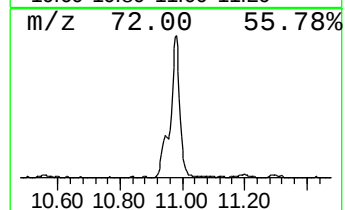
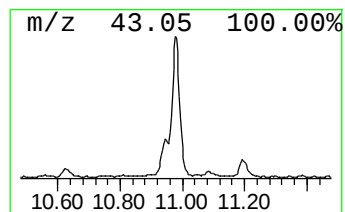
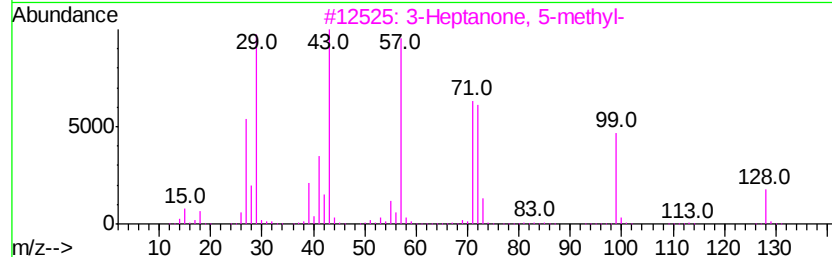
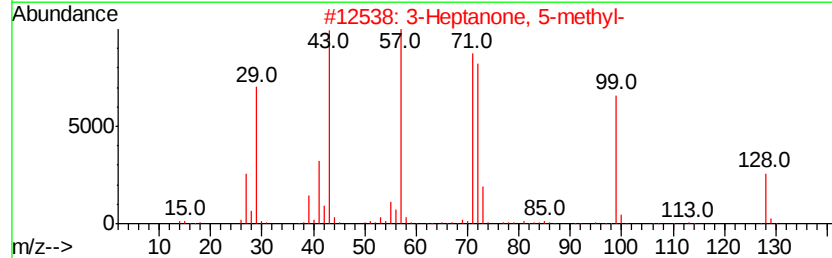
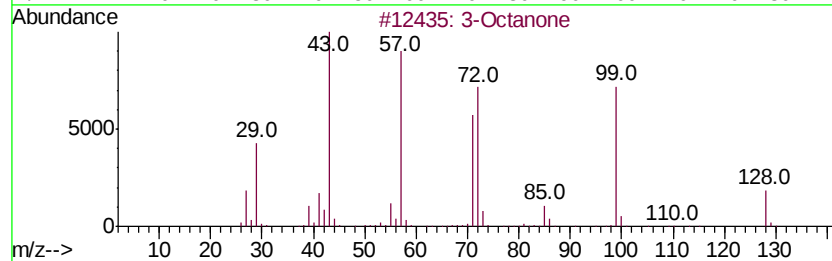
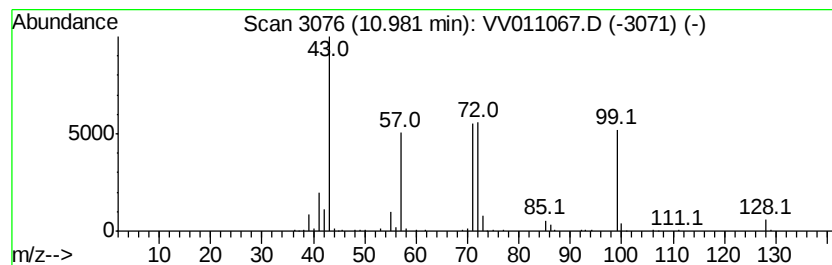
Instrument :
MSVOA_V
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 7 3-Octanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	8.25 ug/L	270434	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Octanone	128 C8H16O	000106-68-3	56
2	3-Heptanone, 5-methyl-	128 C8H16O	000541-85-5	56
3	3-Heptanone, 5-methyl-	128 C8H16O	000541-85-5	56
4	n-Caproic acid vinyl ester	142 C8H14O2	003050-69-9	47
5	4-Methylthiazole	99 C4H5NS	000693-95-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011067.D
Acq On : 28 May 2019 17:02
Operator : SY/MD
Sample : K3016-10
Misc : 5.54G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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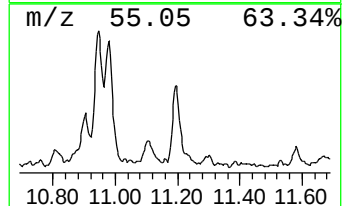
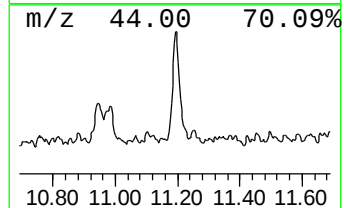
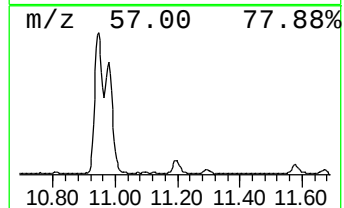
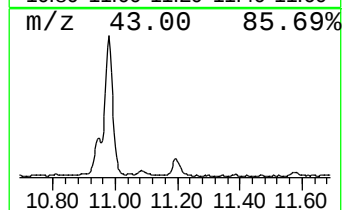
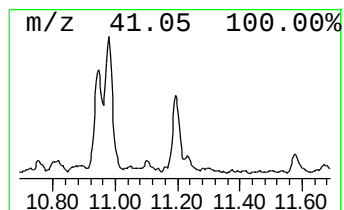
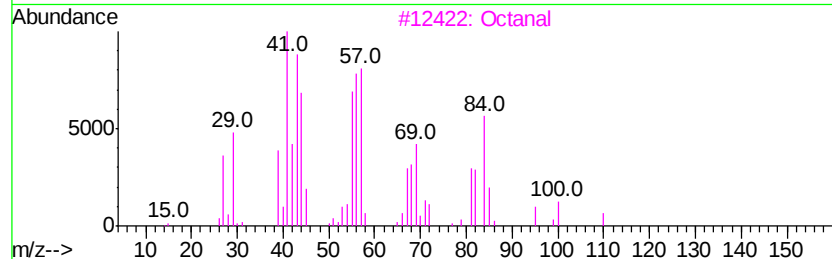
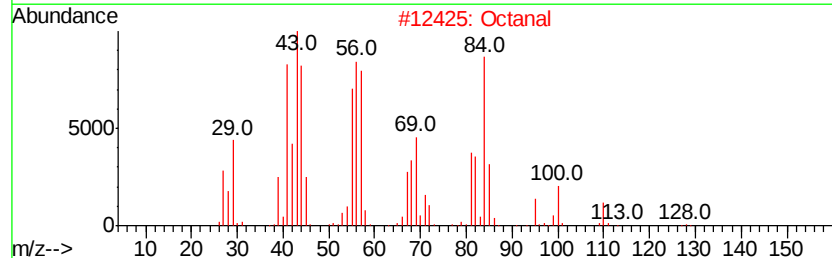
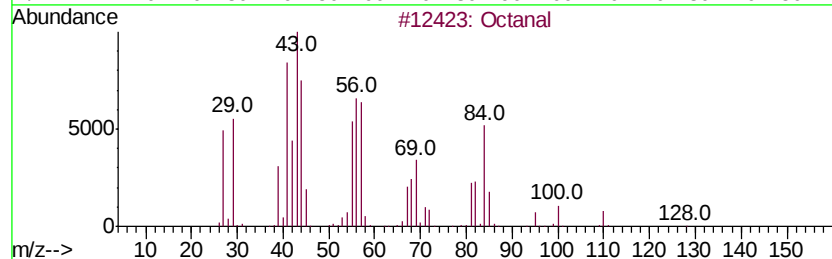
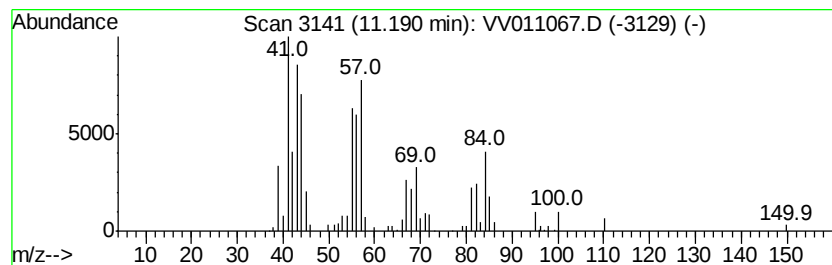
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Quant Title : VOC Analysis

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

Peak Number 8 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.42 ug/L	79189	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal		128	C8H16O	000124-13-0	91
2	Octanal		128	C8H16O	000124-13-0	90
3	Octanal		128	C8H16O	000124-13-0	87
4	Octanal		128	C8H16O	000124-13-0	87
5	Octanal		128	C8H16O	000124-13-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011067.D
Acq On : 28 May 2019 17:02
Operator : SY/MD
Sample : K3016-10
Misc : 5.54G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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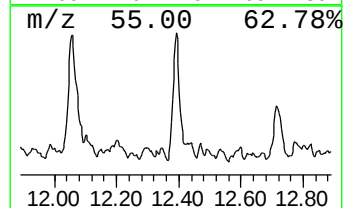
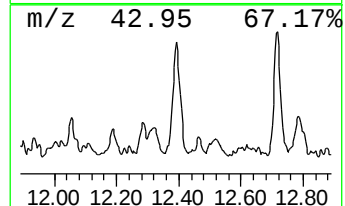
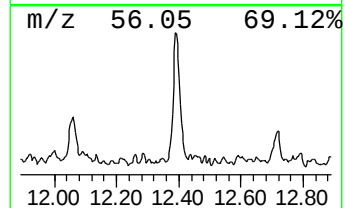
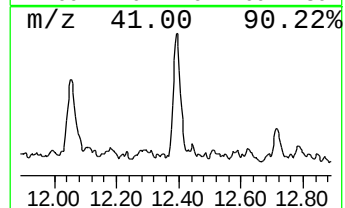
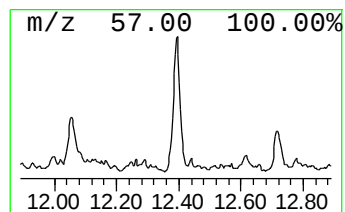
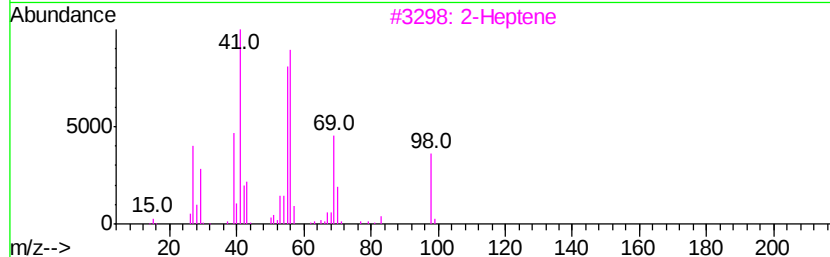
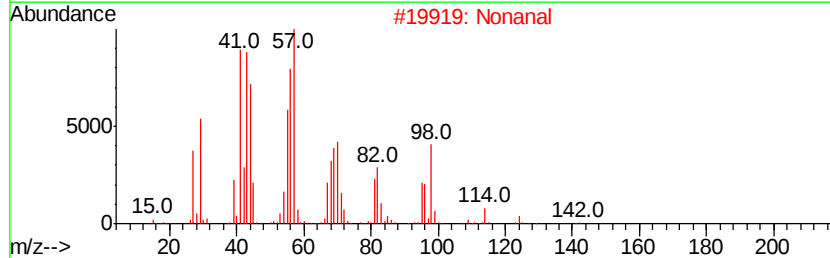
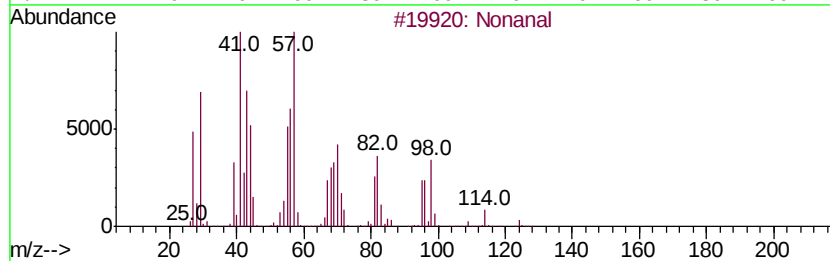
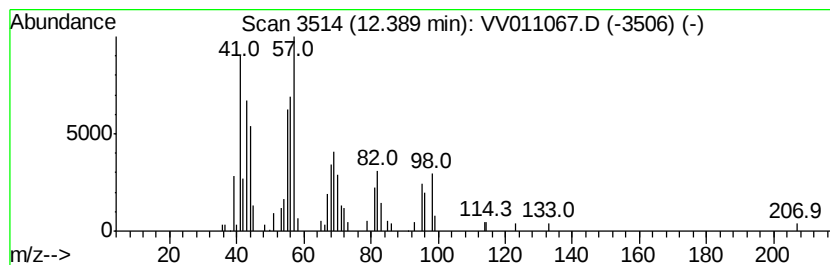
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Quant Title : VOC Analysis

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

Peak Number 9 Nonanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.48 ug/L	48452	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal		142	C9H18O	000124-19-6	86
2	Nonanal		142	C9H18O	000124-19-6	59
3	2-Heptene		98	C7H14	000592-77-8	30
4	Heptane, 2-chloro-		134	C7H15Cl	001001-89-4	22
5	2-Hexene, 5-methyl-, (E)-		98	C7H14	007385-82-2	22



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011067.D
Acq On : 28 May 2019 17:02
Operator : SY/MD
Sample : K3016-10
Misc : 5.54G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C9

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
Pentanal	6.33	2.9	ug/L	132803	1	5.66	1141430	25.0
Hexanal	8.28	12.9	ug/L	657363	2	8.89	1269370	25.0
Formic acid, hexy...	9.53	1.4	ug/L	72042	2	8.89	1269370	25.0
Heptanal	9.85	1.5	ug/L	75776	2	8.89	1269370	25.0
1-Octen-3-ol	10.95	6.0	ug/L	197689	3	11.30	819441	25.0
3-Octanone	10.98	8.3	ug/L	270434	3	11.30	819441	25.0
Octanal	11.19	2.4	ug/L	79189	3	11.30	819441	25.0
Nonanal	12.39	1.5	ug/L	48452	3	11.30	819441	25.0