

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
 Data File : VV011168.D
 Acq On : 31 May 2019 08:01
 Operator : SY/MD
 Sample : K3017-16RE
 Misc : 4.56G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E9RE

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\SOM2VLM053019S.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	75	rVB	139943	127466	14.21%	1.949%
2	1.383	86	91	98	rVB	76634	75169	8.38%	1.149%
3	2.184	333	340	352	rVB	140675	200014	22.30%	3.059%
4	2.454	415	424	439	rBV	113894	180990	20.18%	2.768%
5	2.756	513	518	519	rBV5	1202	1018	0.11%	0.016%
6	2.862	548	551	552	rBV3	1047	676	0.08%	0.010%
7	3.116	629	630	632	rVB2	625	178	0.02%	0.003%
8	3.132	632	635	636	rBV2	853	335	0.04%	0.005%
9	3.164	643	645	647	rBV3	1318	798	0.09%	0.012%
10	3.200	647	656	669	rVV4	9031	19198	2.14%	0.294%
11	3.370	706	709	712	rBV3	982	583	0.06%	0.009%
12	3.425	725	726	728	rBV2	767	348	0.04%	0.005%
13	3.479	736	743	746	rVB9	1269	1707	0.19%	0.026%
14	3.495	746	748	752	rBV3	619	428	0.05%	0.007%
15	3.602	780	781	784	rVB2	1106	341	0.04%	0.005%
16	3.618	784	786	788	rBV3	1447	881	0.10%	0.013%
17	3.650	793	796	798	rVV4	798	425	0.05%	0.006%
18	3.701	808	812	813	rBV3	1093	753	0.08%	0.012%
19	3.746	817	826	842	rVB4	21235	49621	5.53%	0.759%
20	4.200	965	967	970	rVB3	820	269	0.03%	0.004%
21	4.264	986	987	988	rVB	671	130	0.01%	0.002%
22	4.392	1007	1027	1048	rBV	145893	359767	40.11%	5.502%
23	4.749	1136	1138	1139	rBV2	577	198	0.02%	0.003%
24	4.798	1151	1153	1155	rBV3	837	312	0.03%	0.005%
25	4.855	1168	1171	1172	rBV3	666	336	0.04%	0.005%
26	4.865	1172	1174	1177	rVB4	1106	680	0.08%	0.010%
27	4.881	1177	1179	1181	rBV	859	450	0.05%	0.007%
28	4.926	1189	1193	1195	rBV3	1801	1035	0.12%	0.016%
29	4.974	1206	1208	1212	rVB3	911	395	0.04%	0.006%
30	4.994	1212	1214	1221	rVB6	491	477	0.05%	0.007%
31	5.019	1221	1222	1224	rVB2	601	203	0.02%	0.003%
32	5.087	1224	1243	1267	rBV2	353111	896975	100.00%	13.717%
33	5.463	1358	1360	1361	rBV2	1187	496	0.06%	0.008%
34	5.572	1371	1394	1407	rBV3	15738	47371	5.28%	0.724%

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35	5.659	1408	1421	1447	rVB	284020	571189	63.68%	8.735%
36	5.833	1473	1475	1479	rBV4	1372	957	0.11%	0.015%
37	6.113	1549	1562	1584	rBV	204107	419227	46.74%	6.411%
38	6.328	1620	1629	1650	rVB	74482	138501	15.44%	2.118%
39	6.576	1701	1706	1709	rBV6	1889	1807	0.20%	0.028%
40	6.765	1763	1765	1767	rBV3	580	221	0.02%	0.003%
41	6.836	1785	1787	1788	rBV2	770	263	0.03%	0.004%
42	6.846	1788	1790	1791	rBV2	718	246	0.03%	0.004%
43	6.888	1799	1803	1805	rBV5	822	571	0.06%	0.009%
44	6.900	1805	1807	1811	rVV4	710	473	0.05%	0.007%
45	7.026	1836	1846	1865	rVB	103360	181994	20.29%	2.783%
46	7.273	1914	1923	1932	rBV3	11836	22712	2.53%	0.347%
47	7.357	1940	1949	1962	rVB	365784	623653	69.53%	9.537%
48	7.662	2035	2044	2057	rBV	60427	99934	11.14%	1.528%
49	7.907	2116	2120	2121	rBV4	1406	1001	0.11%	0.015%
50	8.132	2179	2190	2203	rBV	124583	228811	25.51%	3.499%
51	8.280	2226	2236	2260	rBV	366111	611525	68.18%	9.351%
52	8.659	2351	2354	2357	rBV3	1863	1423	0.16%	0.022%
53	8.701	2363	2367	2369	rBV4	1501	1197	0.13%	0.018%
54	8.830	2405	2407	2410	rBV3	629	277	0.03%	0.004%
55	8.894	2410	2427	2449	rBV	352000	599300	66.81%	9.164%
56	9.531	2620	2625	2626	rBV2	5295	4537	0.51%	0.069%
57	9.852	2717	2725	2740	rBV4	30778	51041	5.69%	0.781%
58	10.074	2792	2794	2797	rVB4	1102	475	0.05%	0.007%
59	10.260	2841	2852	2867	rVB	142874	228672	25.49%	3.497%
60	10.421	2889	2902	2912	rVB2	12983	24071	2.68%	0.368%
61	10.521	2930	2933	2934	rBV2	1957	1157	0.13%	0.018%
62	10.624	2959	2965	2989	rVB3	25423	47608	5.31%	0.728%
63	11.196	3137	3143	3154	rVB4	18905	28957	3.23%	0.443%
64	11.293	3162	3173	3189	rBV	178377	299374	33.38%	4.578%
65	11.575	3253	3261	3272	rBV	6260	12367	1.38%	0.189%
66	11.672	3281	3291	3303	rBV	153190	246304	27.46%	3.766%
67	12.296	3477	3485	3499	rVB2	21211	36856	4.11%	0.564%
68	12.395	3509	3516	3525	rVB3	13289	19209	2.14%	0.294%
69	13.964	4003	4004	4006	rVB2	729	155	0.02%	0.002%
70	14.090	4032	4043	4057	rBV	32620	58700	6.54%	0.898%
71	14.386	4129	4135	4139	rBV8	2854	3180	0.35%	0.049%

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Integration Parameters: LSCINT.P

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Title : VOC Analysis

72	14.569	4189	4192	4193	rBV2	1818	815	0.09%	0.012%
73	14.768	4252	4254	4257	rBV3	876	583	0.06%	0.009%

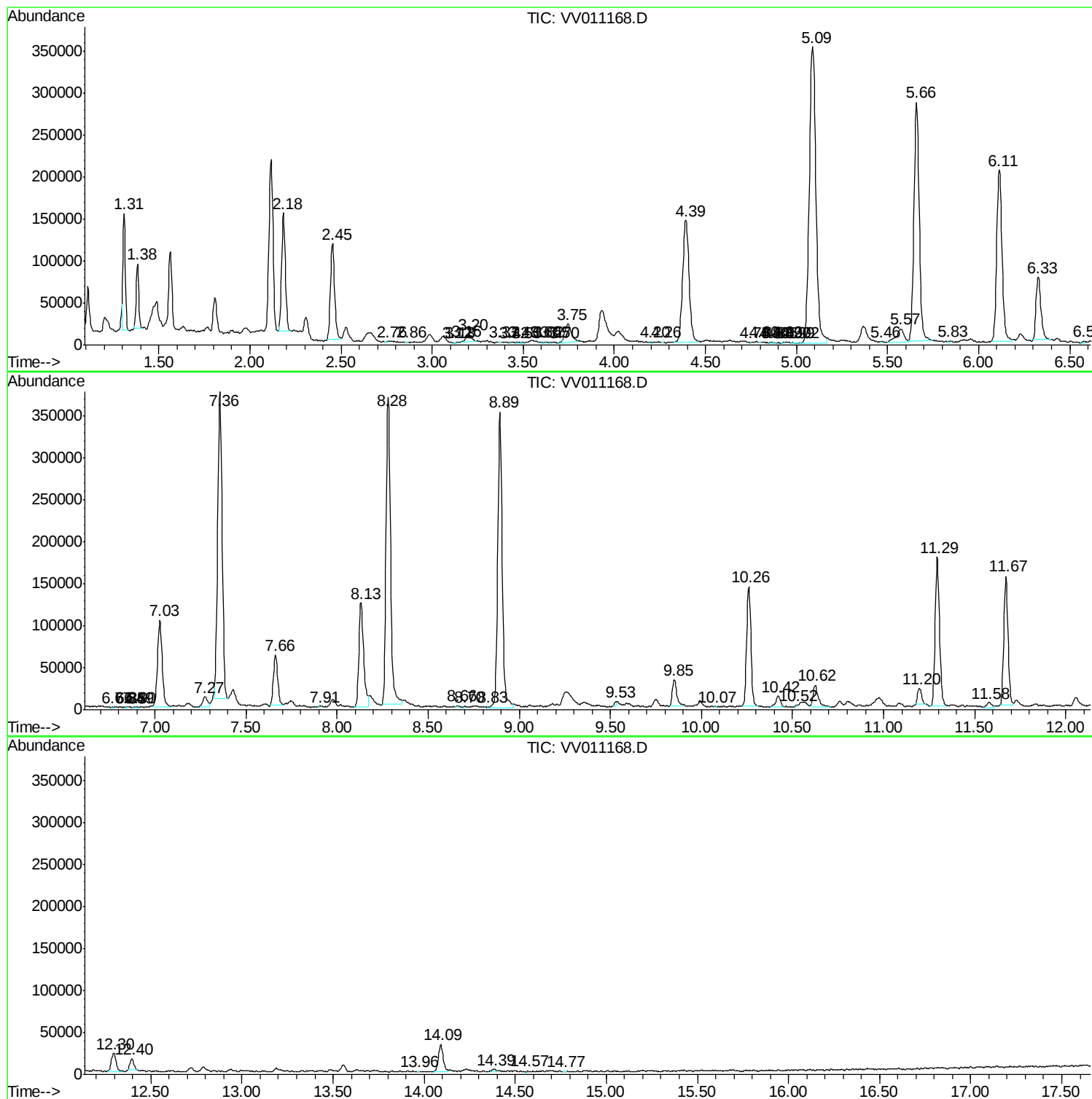
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011168.D
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Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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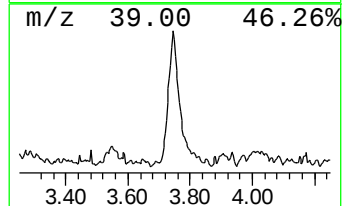
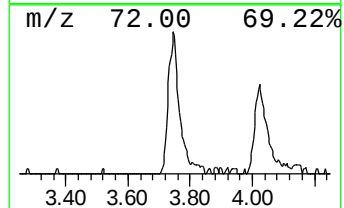
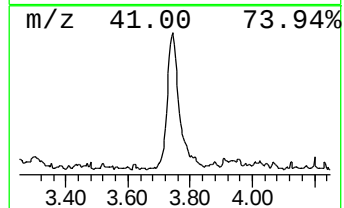
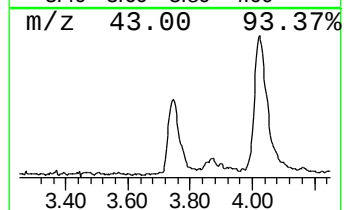
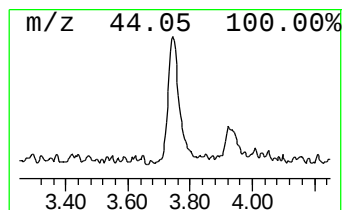
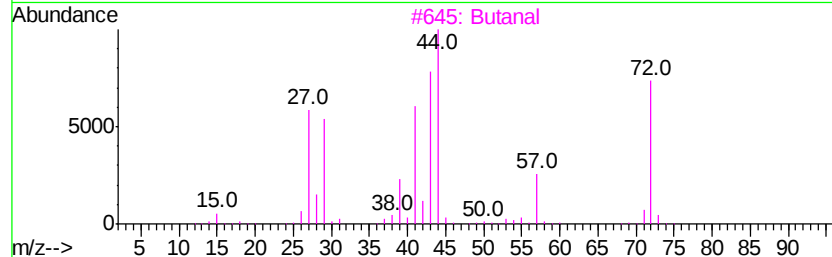
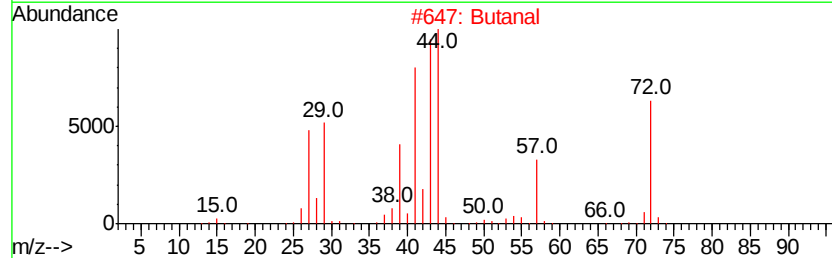
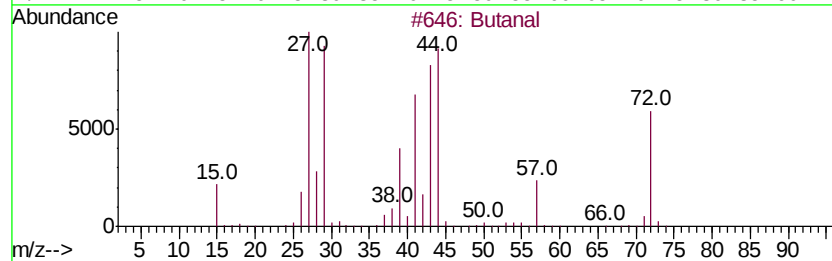
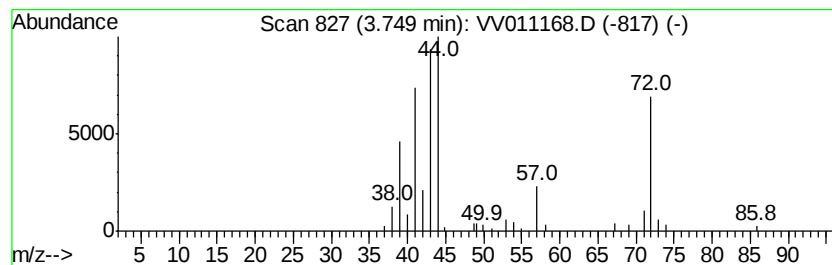
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 2 Butanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	2.17 ug/L	49621	1,4-Difluorobenzene	5.66

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	64
4		Butanal	72	C4H8O	000123-72-8	58
5		Propane	44	C3H8	000074-98-6	50



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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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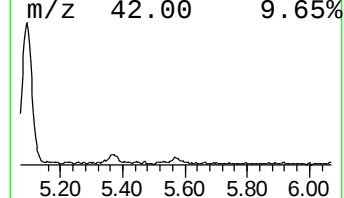
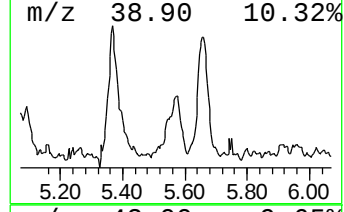
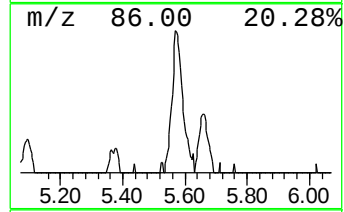
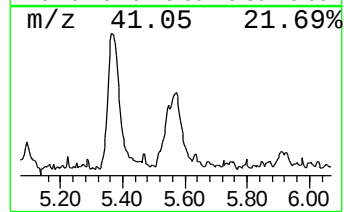
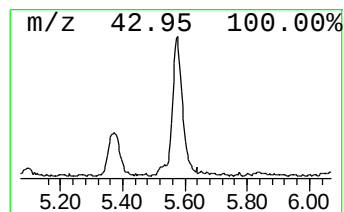
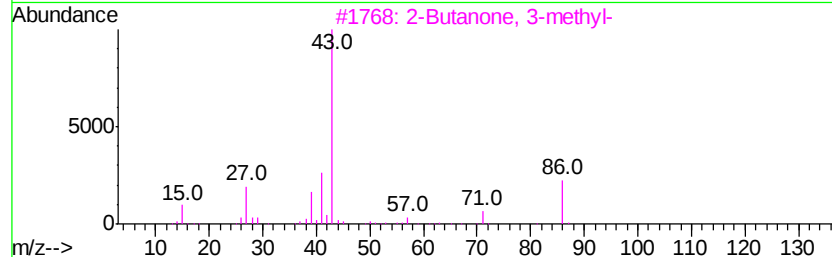
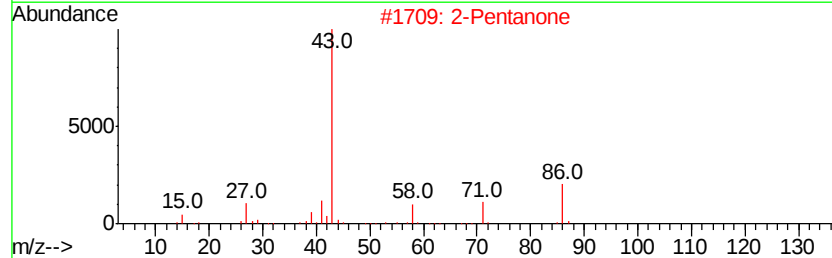
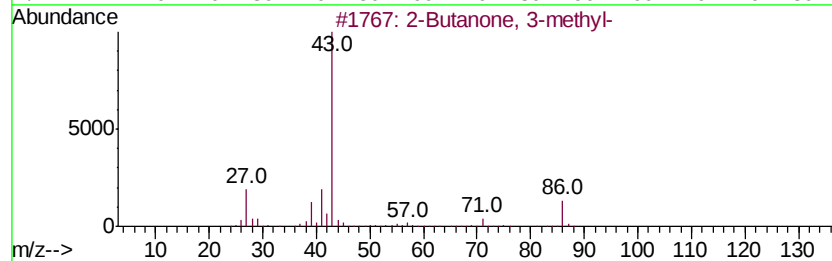
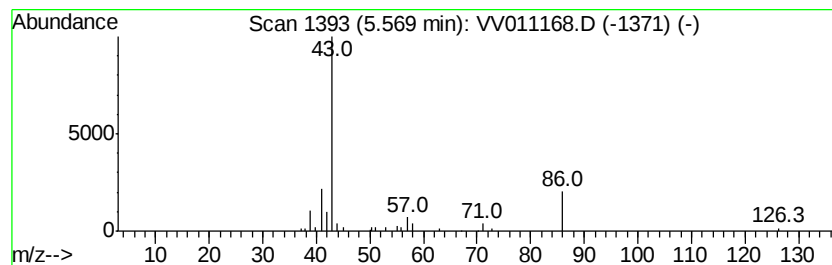
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 3 2-Butanone, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.57	2.07 ug/L	47371	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	64
2		2-Pentanone	86	C5H10O	000107-87-9	50
3		2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	47
4		2-Pentanone	86	C5H10O	000107-87-9	42
5		2-Pentanone	86	C5H10O	000107-87-9	40



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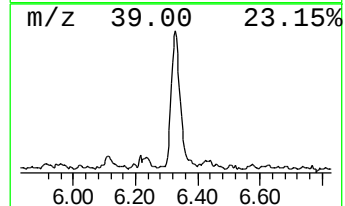
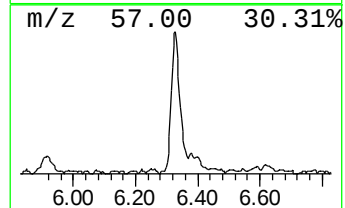
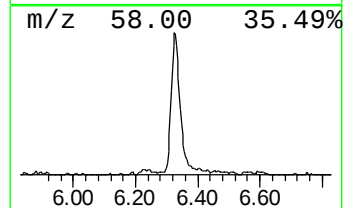
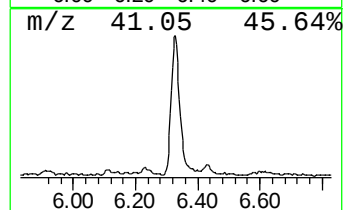
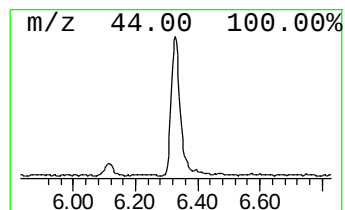
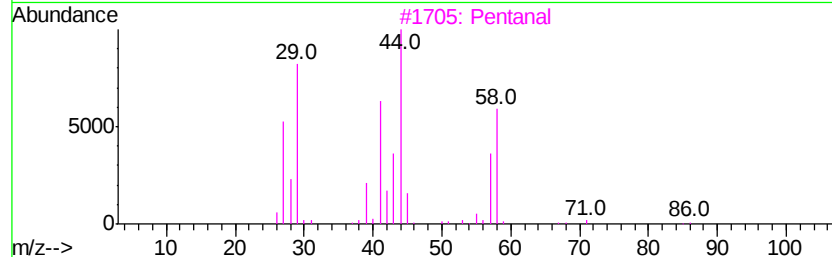
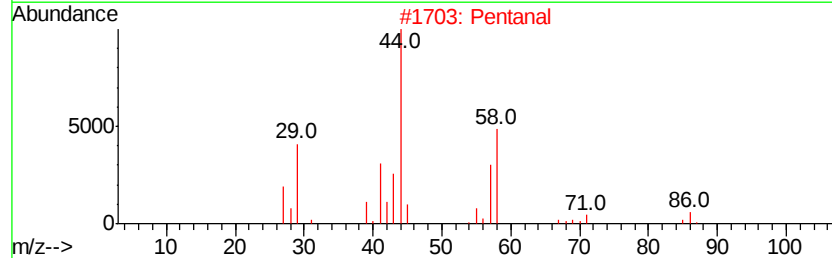
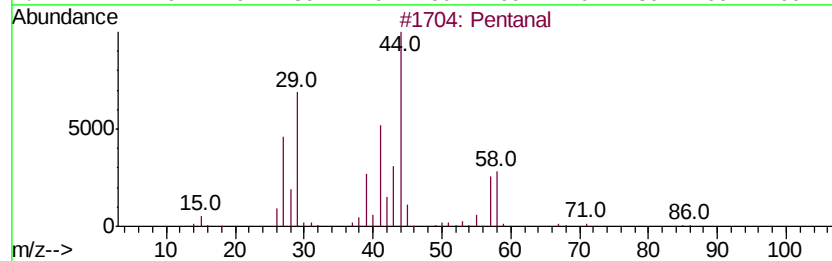
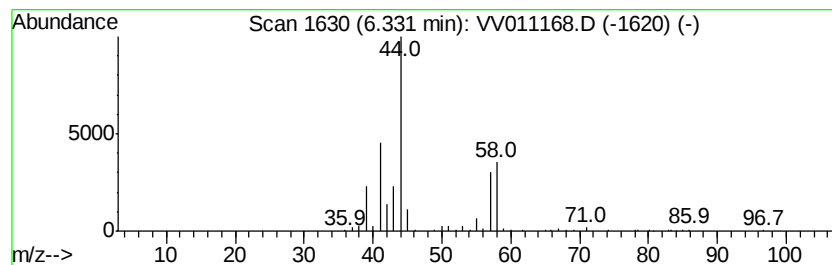
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Quant Title : VOC Analysis

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

Peak Number 4 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	6.06 ug/L	138501	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal			86	C5H10O	000110-62-3	91
2	Pentanal			86	C5H10O	000110-62-3	78
3	Pentanal			86	C5H10O	000110-62-3	52
4	Cyclopropyl carbinol			72	C4H8O	002516-33-8	38
5	Piperazine			86	C4H10N2	000110-85-0	38



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ClientSampleId :
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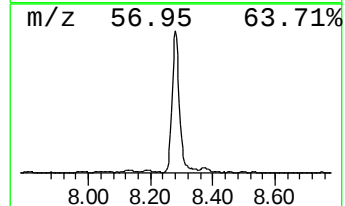
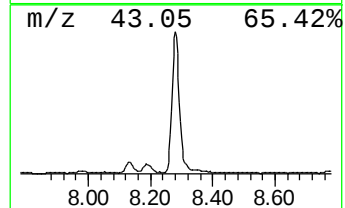
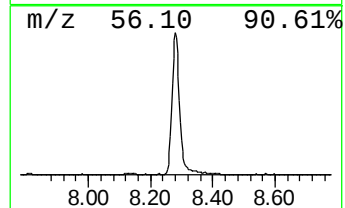
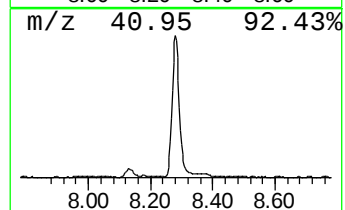
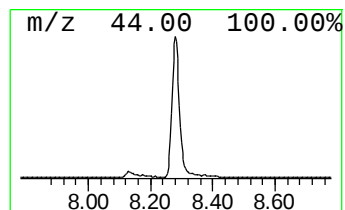
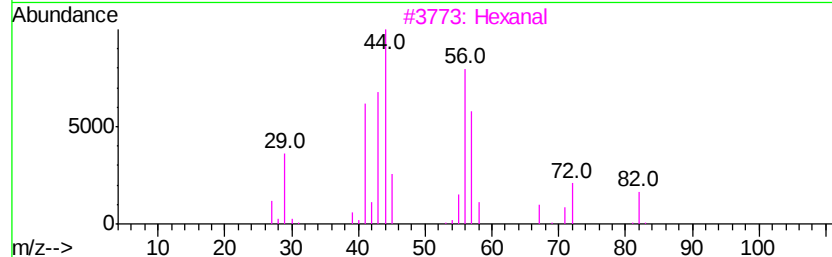
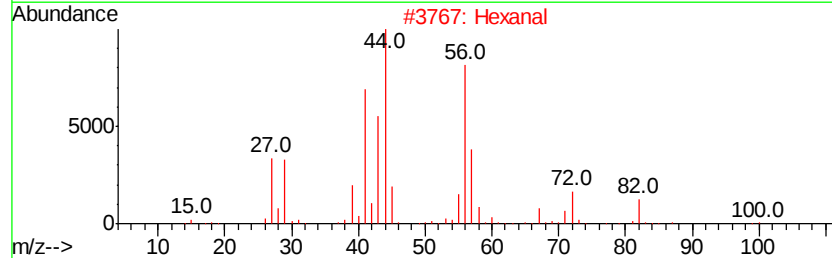
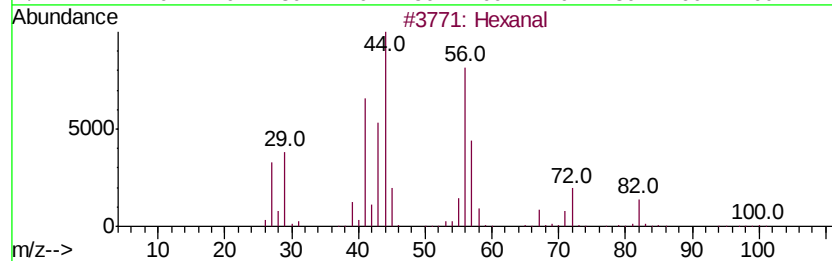
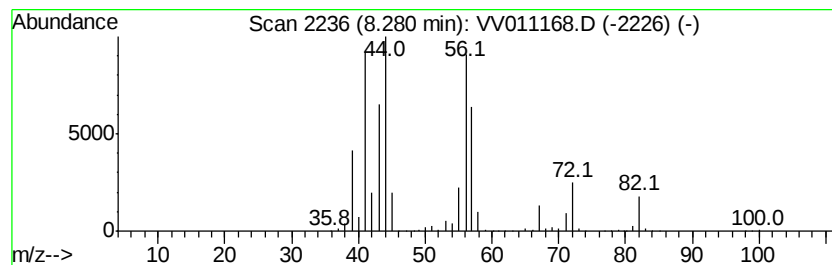
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 6 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	25.51 ug/L	611525	Chlorobenzene-d5	8.89

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	64
4	Hexanal		100	C6H12O	000066-25-1	64
5	Butanal		72	C4H8O	000123-72-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011168.D
Acq On : 31 May 2019 08:01
Operator : SY/MD
Sample : K3017-16RE
Misc : 4.56G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9RE

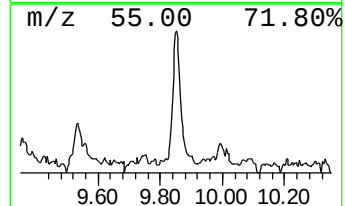
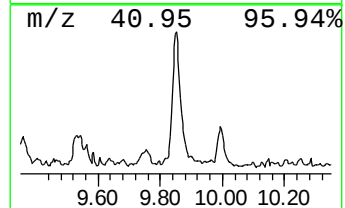
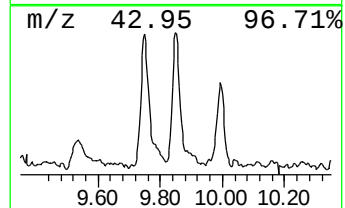
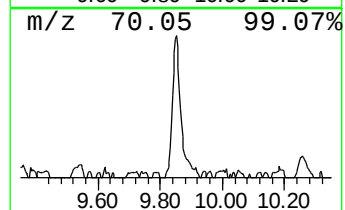
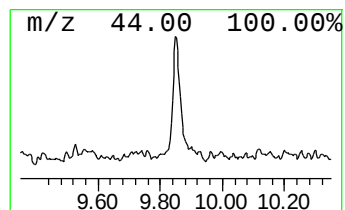
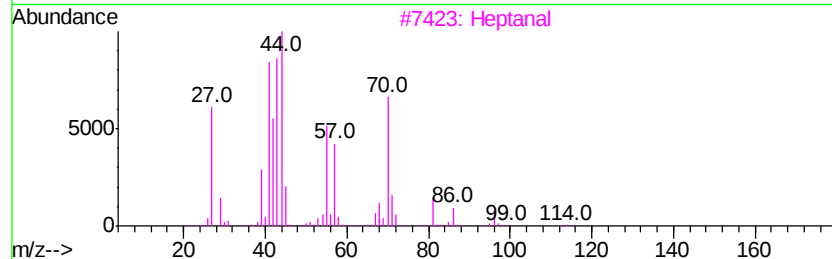
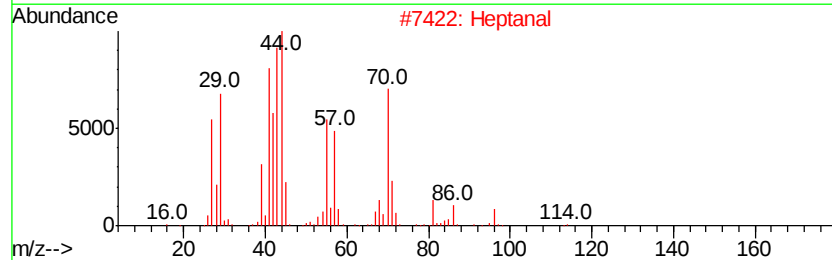
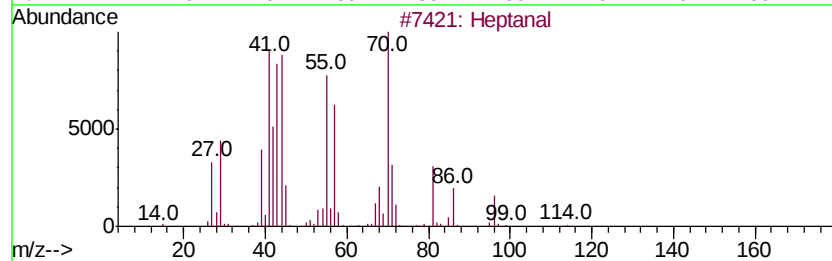
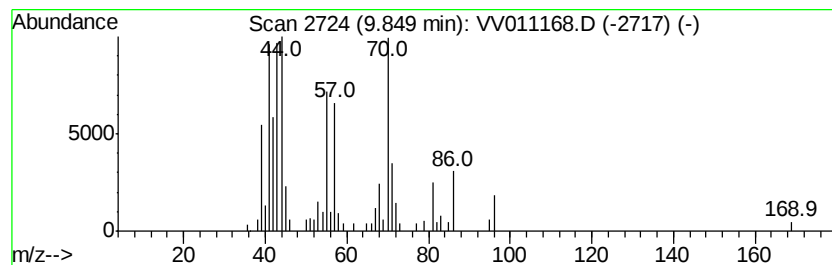
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Quant Title : VOC Analysis

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

Peak Number 7 Heptanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.13 ug/L	51041	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	86
2		Heptanal	114	C7H14O	000111-71-7	86
3		Heptanal	114	C7H14O	000111-71-7	78
4		Heptanal	114	C7H14O	000111-71-7	72
5		Propyl aldoxime, 2-methyl-, anti-	87	C4H9NO	005775-73-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011168.D
Acq On : 31 May 2019 08:01
Operator : SY/MD
Sample : K3017-16RE
Misc : 4.56G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

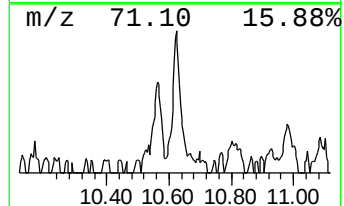
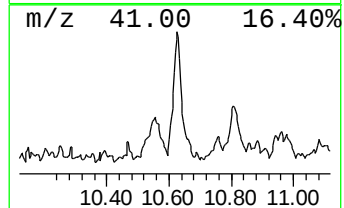
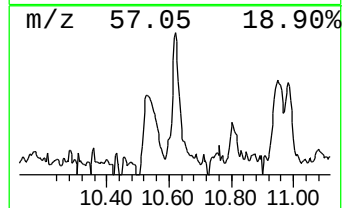
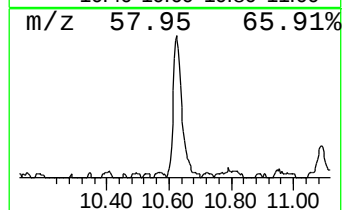
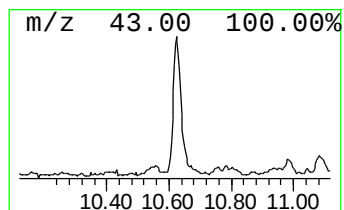
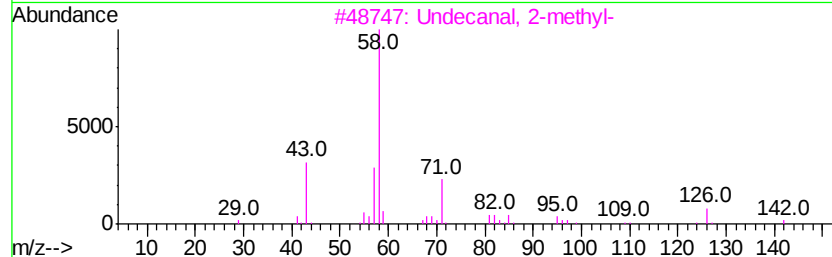
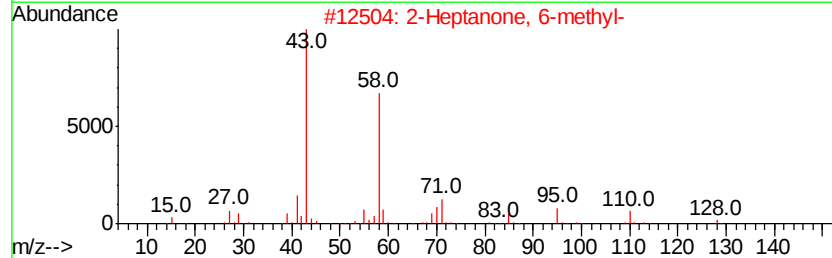
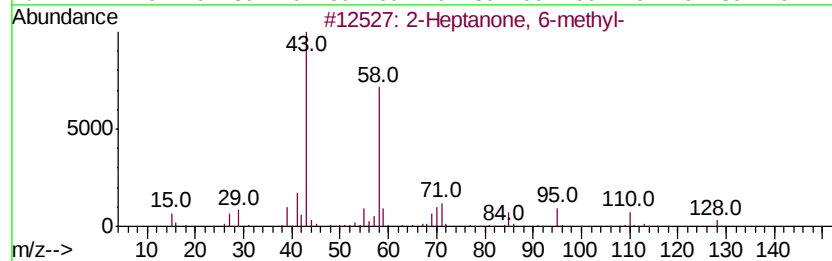
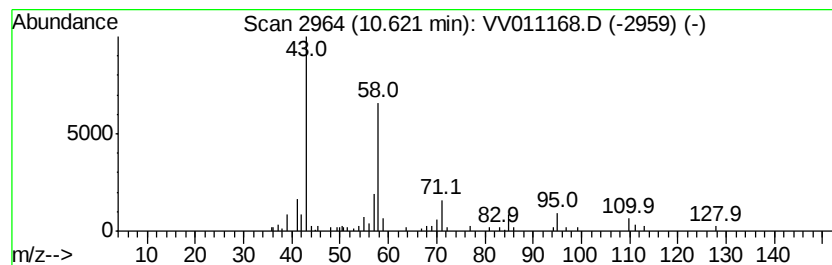
Instrument :
MSVOA_V
ClientSampleId :
A51E9RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 9 2-Heptanone, 6-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.62	3.98 ug/L	47608	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72
2	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72
3	Undecanal, 2-methyl-	184	C12H24O	000110-41-8	59
4	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	59
5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011168.D
Acq On : 31 May 2019 08:01
Operator : SY/MD
Sample : K3017-16RE
Misc : 4.56G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9RE

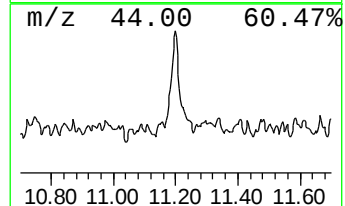
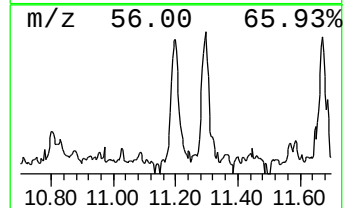
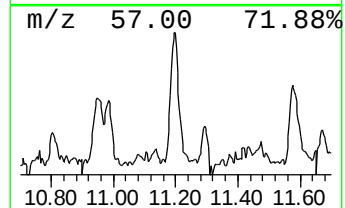
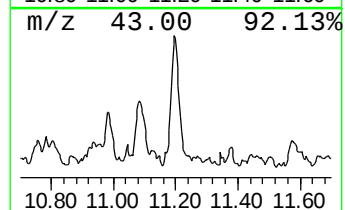
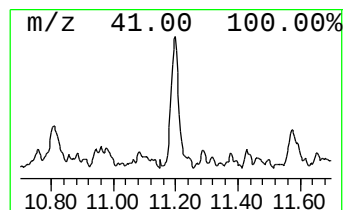
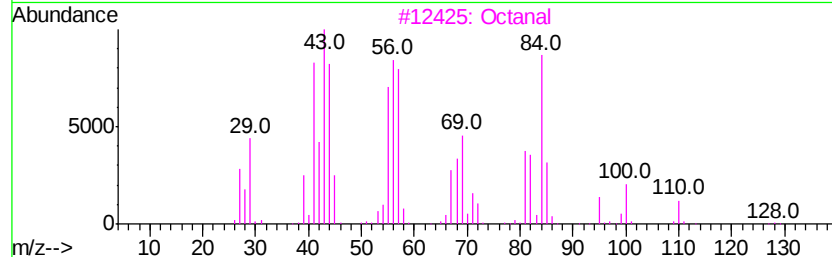
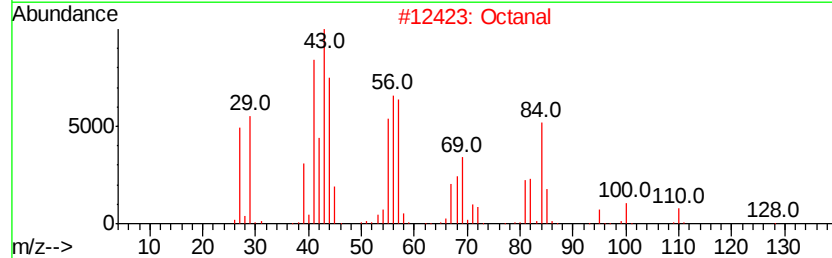
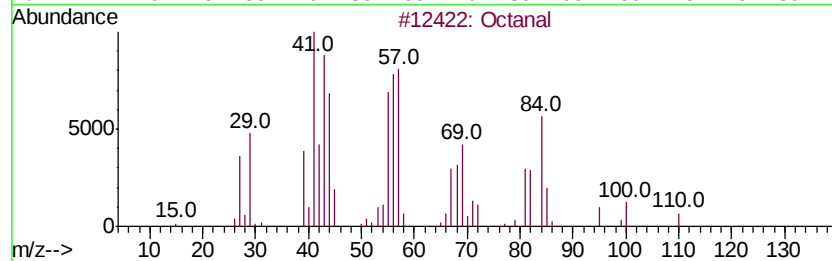
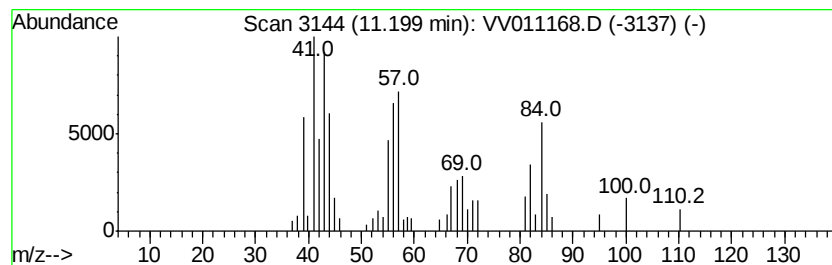
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Quant Title : VOC Analysis

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

Peak Number 10 Octanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.42 ug/L	28957	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octanal	128	C8H16O	000124-13-0	80
2		Octanal	128	C8H16O	000124-13-0	78
3		Octanal	128	C8H16O	000124-13-0	64
4		Octanal	128	C8H16O	000124-13-0	59
5		Octanal	128	C8H16O	000124-13-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
 Data File : VV011168.D
 Acq On : 31 May 2019 08:01
 Operator : SY/MD
 Sample : K3017-16RE
 Misc : 4.56G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E9RE

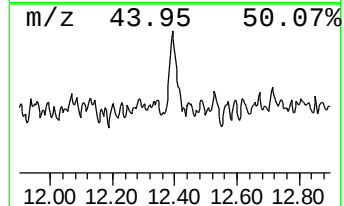
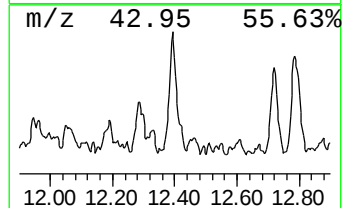
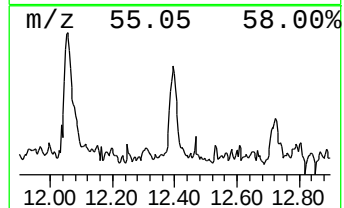
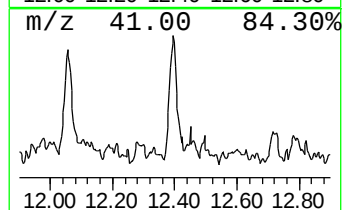
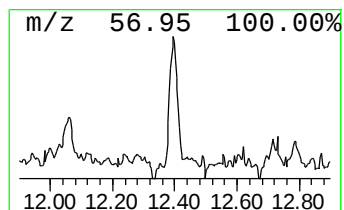
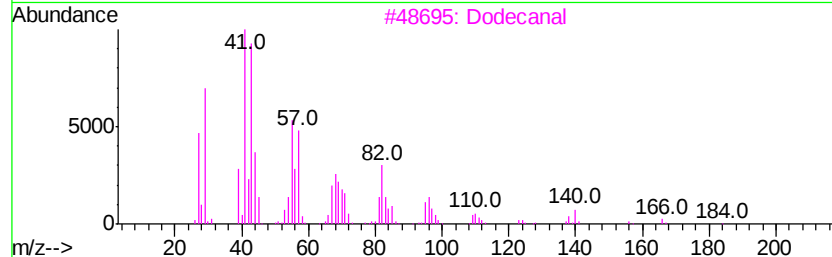
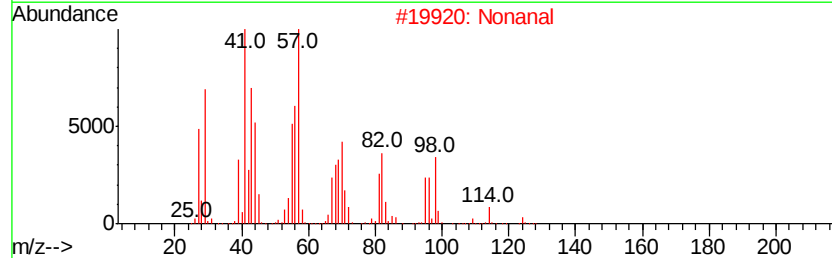
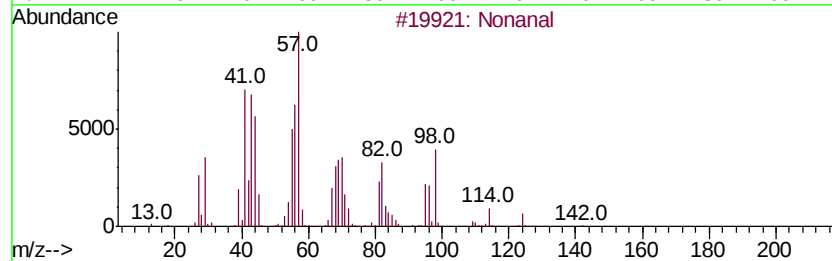
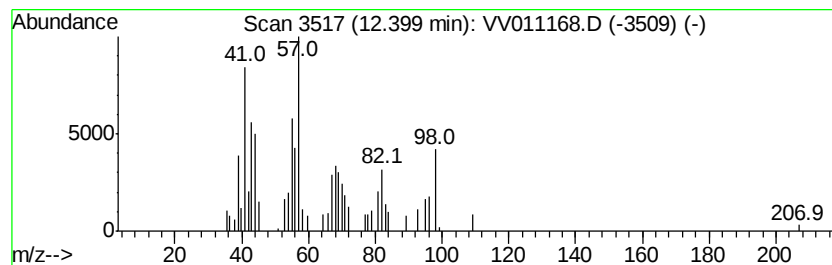
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 Quant Title : VOC Analysis

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

 Peak Number 12 Nonanal Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	1.60 ug/L	19209	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanal	142	C9H18O	000124-19-6	58
2			Nonanal	142	C9H18O	000124-19-6	50
3			Dodecanal	184	C12H24O	000112-54-9	35
4			Arginine	174	C6H14N4O2	000074-79-3	22
5			1,1-Dodecanediol, diacetate	286	C16H30O4	056438-07-4	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053019\
Data File : VV011168.D
Acq On : 31 May 2019 08:01
Operator : SY/MD
Sample : K3017-16RE
Misc : 4.56G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.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	2.2	ug/L	49621	1	5.66	571189	25.0
2-Butanone, 3-met...	5.57	2.1	ug/L	47371	1	5.66	571189	25.0
Pentanal	6.33	6.1	ug/L	138501	1	5.66	571189	25.0
Hexanal	8.28	25.5	ug/L	611525	2	8.89	599300	25.0
Heptanal	9.85	2.1	ug/L	51041	2	8.89	599300	25.0
2-Heptanone, 6-me...	10.62	4.0	ug/L	47608	3	11.29	299374	25.0
Octanal	11.20	2.4	ug/L	28957	3	11.29	299374	25.0
Nonanal	12.40	1.6	ug/L	19209	3	11.29	299374	25.0