

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
 Data File : VV011047.D
 Acq On : 24 May 2019 02:43
 Operator : SY/MD
 Sample : K3016-15
 Misc : 5.31G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51D2

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\SOM2VLM052019S.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	1.316	64	70	79	rVB	33565	32662	5.69%	1.040%
2	1.386	87	92	100	rBV	20231	19636	3.42%	0.625%
3	1.563	141	147	157	rVB	24294	27813	4.84%	0.885%
4	1.811	217	224	238	rVB	17424	21228	3.70%	0.676%
5	1.965	269	272	273	rBV2	612	302	0.05%	0.010%
6	2.033	291	293	295	rBV2	425	285	0.05%	0.009%
7	2.119	310	320	332	rBV2	64375	96174	16.75%	3.061%
8	2.190	334	342	351	rVB	20806	29647	5.16%	0.944%
9	2.460	417	426	437	rVB	9067	13985	2.44%	0.445%
10	2.534	439	449	457	rBV4	2110	3508	0.61%	0.112%
11	2.656	481	487	490	rBV3	659	726	0.13%	0.023%
12	2.936	566	574	576	rBV2	238	300	0.05%	0.010%
13	2.991	583	591	594	rBV2	1649	2175	0.38%	0.069%
14	3.068	604	615	627	rVB4	2545	5039	0.88%	0.160%
15	3.129	627	634	644	rBV	306	552	0.10%	0.018%
16	3.196	651	655	656	rBV	854	619	0.11%	0.020%
17	3.322	689	694	698	rBV2	194	281	0.05%	0.009%
18	3.450	730	734	739	rVB2	244	282	0.05%	0.009%
19	3.753	817	828	842	rBV3	5952	13346	2.32%	0.425%
20	3.936	873	885	910	rBV	22154	58292	10.15%	1.856%
21	4.399	1012	1029	1049	rBV2	56249	138696	24.16%	4.415%
22	4.528	1067	1069	1074	rVB2	703	454	0.08%	0.014%
23	4.692	1115	1120	1124	rVB2	327	414	0.07%	0.013%
24	4.714	1124	1127	1135	rBV2	489	552	0.10%	0.018%
25	4.949	1198	1200	1206	rVB2	256	266	0.05%	0.008%
26	4.978	1206	1209	1213	rVB2	327	277	0.05%	0.009%
27	5.090	1227	1244	1270	rBV2	129310	323490	56.34%	10.297%
28	5.312	1310	1313	1316	rVV	274	271	0.05%	0.009%
29	5.335	1316	1320	1322	rVV	338	353	0.06%	0.011%
30	5.373	1322	1332	1351	rVV4	3972	8961	1.56%	0.285%
31	5.576	1378	1395	1408	rBV6	1900	6071	1.06%	0.193%
32	5.663	1408	1422	1441	rBV2	100548	202684	35.30%	6.452%
33	5.901	1491	1496	1501	rBV2	243	256	0.04%	0.008%
34	5.952	1501	1512	1515	rBV5	1156	1417	0.25%	0.045%

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35	6.116	1550	1563	1594	rBV2	76721	158307	27.57%	5.039%
36	6.225	1594	1597	1599	rBV2	343	226	0.04%	0.007%
37	6.274	1610	1612	1617	rVB3	344	321	0.06%	0.010%
38	6.328	1618	1629	1651	rBV	35133	72177	12.57%	2.297%
39	6.637	1720	1725	1728	rBV2	337	376	0.07%	0.012%
40	6.701	1738	1745	1746	rBV3	543	498	0.09%	0.016%
41	6.820	1777	1782	1784	rBV2	211	234	0.04%	0.007%
42	6.971	1821	1829	1832	rBV2	344	526	0.09%	0.017%
43	7.029	1834	1847	1863	rBV	36311	63249	11.02%	2.013%
44	7.187	1887	1896	1902	rVB7	1124	1741	0.30%	0.055%
45	7.270	1918	1922	1929	rBV3	332	488	0.08%	0.016%
46	7.357	1933	1949	1966	rBV	127754	227736	39.67%	7.249%
47	7.663	2033	2044	2061	rBV	24166	39986	6.96%	1.273%
48	7.737	2061	2067	2068	rBV3	1023	825	0.14%	0.026%
49	7.775	2076	2079	2083	rVB2	445	280	0.05%	0.009%
50	7.926	2117	2126	2129	rBV3	408	697	0.12%	0.022%
51	7.978	2136	2142	2154	rVB6	2799	4819	0.84%	0.153%
52	8.084	2167	2175	2179	rBV2	226	318	0.06%	0.010%
53	8.132	2179	2190	2207	rBV	81414	144194	25.11%	4.590%
54	8.280	2223	2236	2262	rBV	351856	574141	100.00%	18.276%
55	8.550	2315	2320	2326	rBV2	189	284	0.05%	0.009%
56	8.804	2394	2399	2405	rBV	277	366	0.06%	0.012%
57	8.894	2415	2427	2444	rBV	148825	246912	43.01%	7.860%
58	9.177	2509	2515	2518	rBV2	838	844	0.15%	0.027%
59	9.267	2528	2543	2553	rBV6	2885	8754	1.52%	0.279%
60	9.357	2567	2571	2579	rVB4	2037	2452	0.43%	0.078%
61	9.428	2591	2593	2597	rVB	328	257	0.04%	0.008%
62	9.460	2597	2603	2606	rBV	310	298	0.05%	0.009%
63	9.534	2619	2626	2635	rBV4	1954	3666	0.64%	0.117%
64	9.656	2661	2664	2668	rBV2	379	297	0.05%	0.009%
65	9.688	2669	2674	2676	rBV2	350	228	0.04%	0.007%
66	9.797	2702	2708	2710	rBV2	369	299	0.05%	0.010%
67	9.849	2715	2724	2737	rVV3	11727	19988	3.48%	0.636%
68	9.900	2737	2740	2743	rVV3	516	463	0.08%	0.015%
69	9.994	2766	2769	2776	rVB3	410	287	0.05%	0.009%
70	10.261	2840	2852	2868	rVB	100585	152616	26.58%	4.858%
71	10.425	2890	2903	2910	rBV3	5268	8617	1.50%	0.274%

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72	10.489	2919	2923	2928	rBV	253	284	0.05%	0.009%
73	10.563	2938	2946	2954	rBV6	1245	2026	0.35%	0.064%
74	10.624	2959	2965	2974	rVB4	1578	2260	0.39%	0.072%
75	10.756	3001	3006	3015	rBV4	2028	2719	0.47%	0.087%
76	10.807	3015	3022	3032	rVV6	2080	3355	0.58%	0.107%
77	10.920	3052	3057	3058	rBV	296	227	0.04%	0.007%
78	11.116	3111	3118	3122	rBV2	367	550	0.10%	0.018%
79	11.196	3134	3143	3155	rVB6	8384	13216	2.30%	0.421%
80	11.296	3162	3174	3193	rBV2	103902	170217	29.65%	5.418%
81	11.466	3223	3227	3230	rBV2	279	304	0.05%	0.010%
82	11.572	3253	3260	3273	rVB3	3403	5390	0.94%	0.172%
83	11.672	3280	3291	3304	rBV	100208	159612	27.80%	5.081%
84	11.730	3304	3309	3321	rVB7	1986	2925	0.51%	0.093%
85	11.833	3336	3341	3351	rVB2	423	482	0.08%	0.015%
86	12.051	3400	3409	3417	rVV6	5814	8982	1.56%	0.286%
87	12.293	3476	3484	3491	rBV3	1989	2791	0.49%	0.089%
88	12.360	3498	3505	3507	rBV2	268	356	0.06%	0.011%
89	12.389	3507	3514	3528	rVB3	6036	8521	1.48%	0.271%
90	12.637	3587	3591	3594	rBV	267	253	0.04%	0.008%
91	12.717	3610	3616	3623	rVB4	1833	2126	0.37%	0.068%
92	13.183	3756	3761	3767	rVB3	883	899	0.16%	0.029%
93	13.479	3848	3853	3857	rVB2	707	701	0.12%	0.022%
94	13.633	3895	3901	3910	rVB5	1008	1297	0.23%	0.041%
95	14.228	4081	4086	4088	rBV3	530	444	0.08%	0.014%
96	14.383	4130	4134	4138	rBV	443	357	0.06%	0.011%
97	15.492	4476	4479	4482	rVB3	331	226	0.04%	0.007%
98	16.971	4935	4939	4944	rBV3	637	762	0.13%	0.024%
99	17.392	5067	5070	5076	rBV3	747	882	0.15%	0.028%
100	17.505	5102	5105	5108	rBV2	691	626	0.11%	0.020%

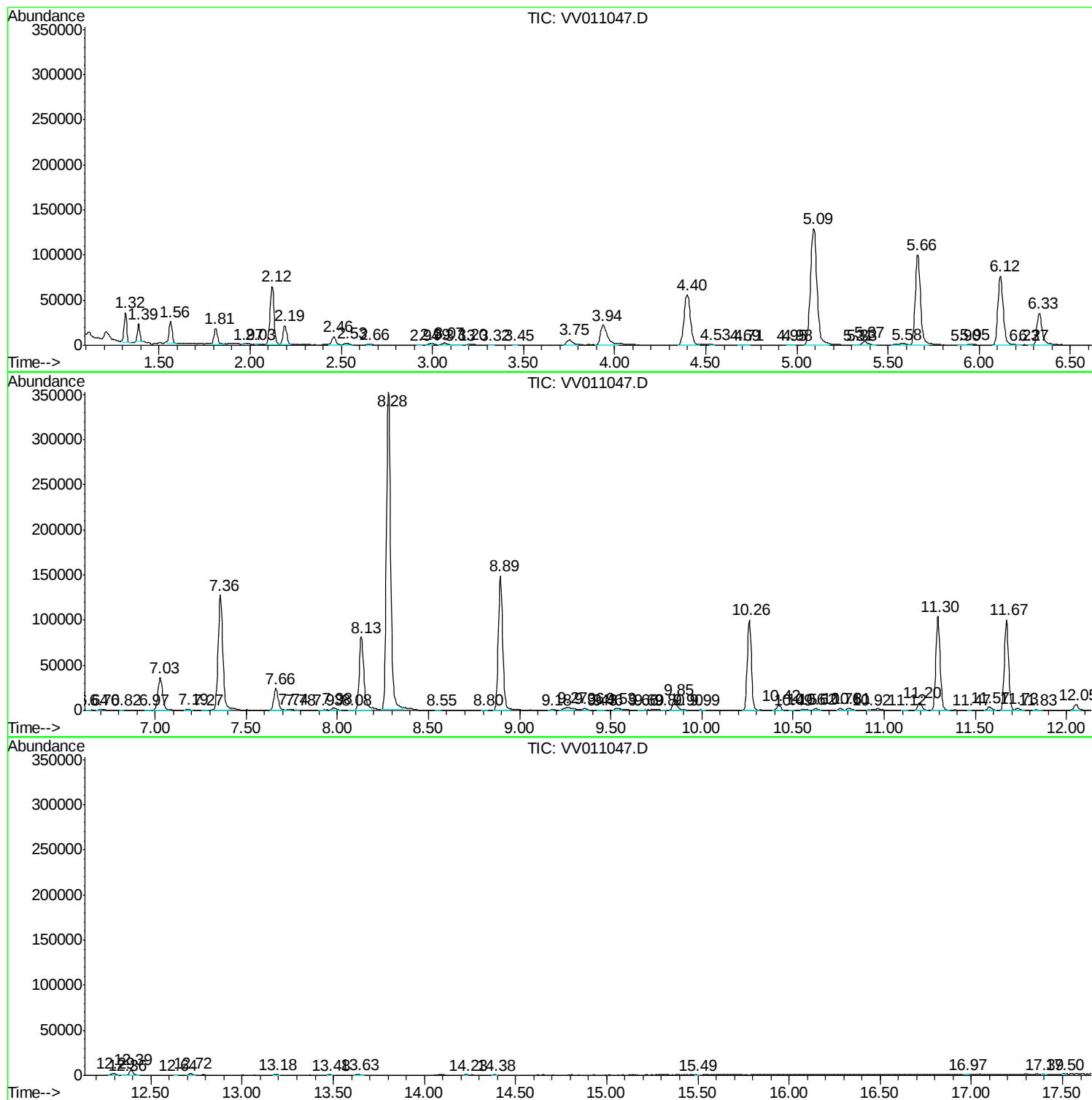
Sum of corrected areas: 3141571

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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



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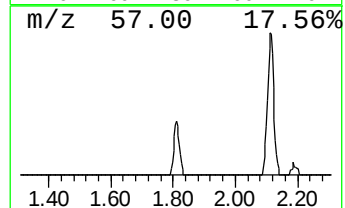
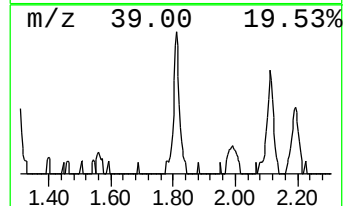
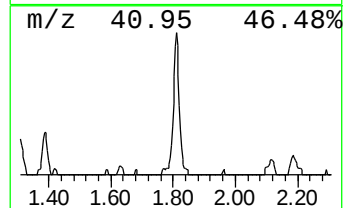
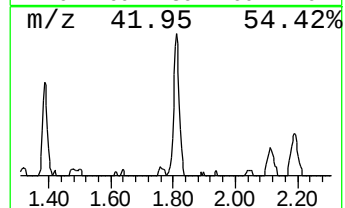
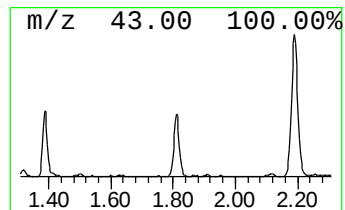
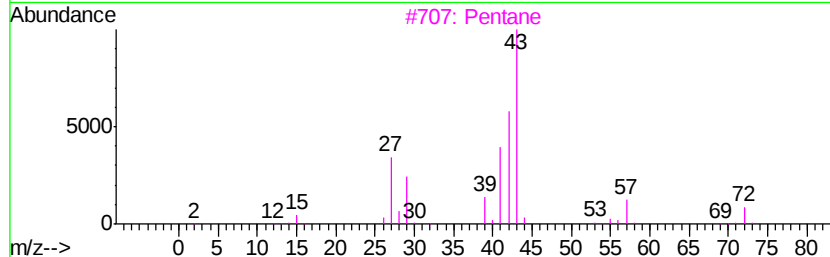
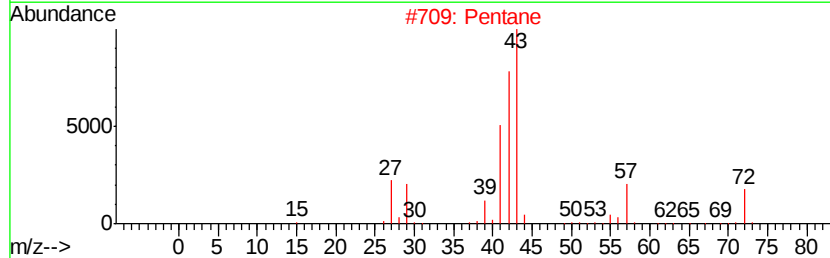
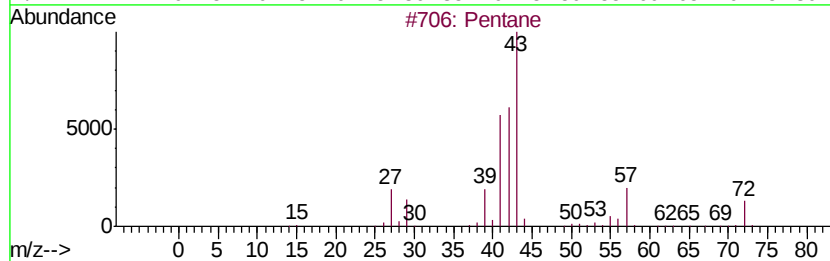
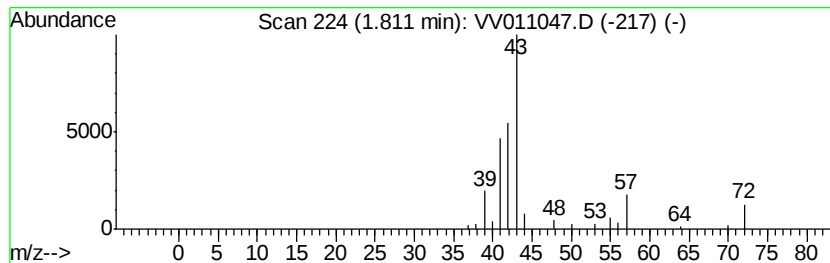
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	2.62 ug/L	21228	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	86
2		Pentane	72	C5H12	000109-66-0	86
3		Pentane	72	C5H12	000109-66-0	86
4		Pentane	72	C5H12	000109-66-0	86
5		Oxirane, ethyl-	72	C4H8O	000106-88-7	38



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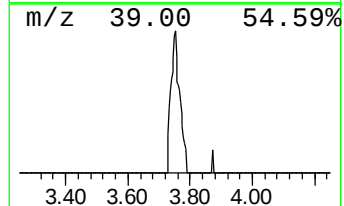
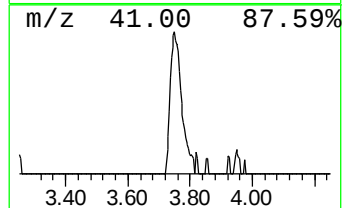
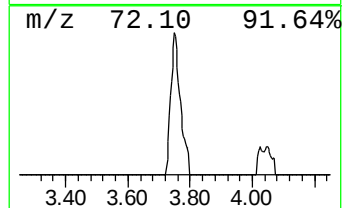
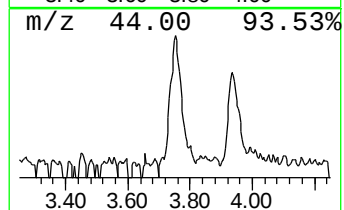
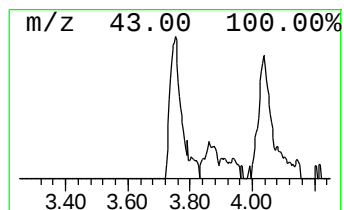
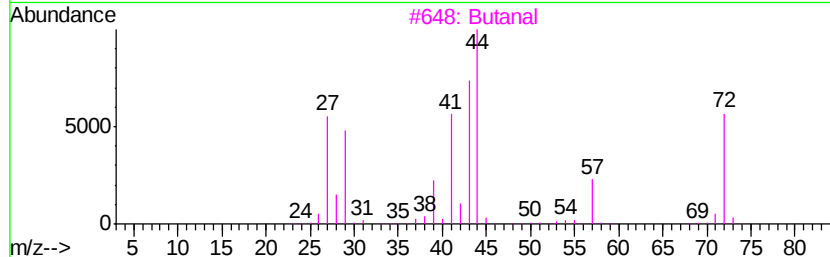
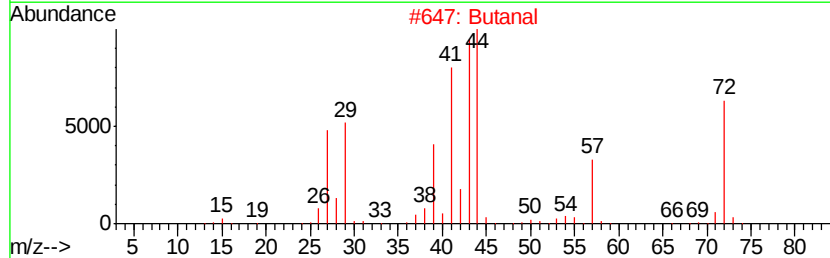
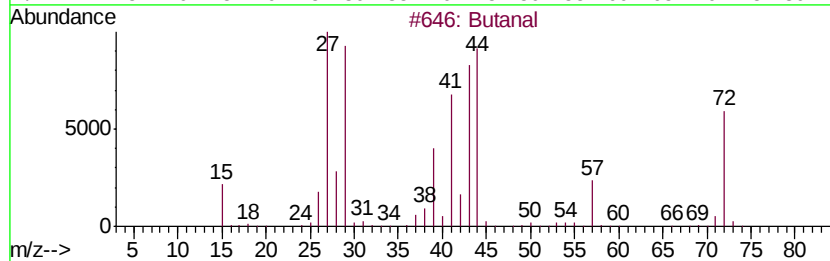
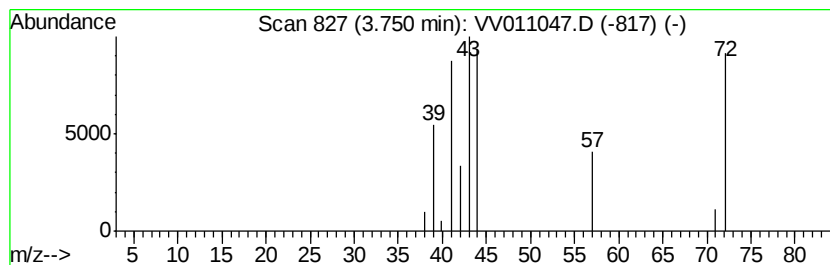
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Quant Title : VOC Analysis

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

Peak Number 3 Butanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	1.65 ug/L	13346	1,4-Difluorobenzene	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal		72	C4H8O	000123-72-8	90
2	Butanal		72	C4H8O	000123-72-8	90
3	Butanal		72	C4H8O	000123-72-8	45
4	1-Propene, 3-methoxy-		72	C4H8O	000627-40-7	43
5	Furan, 2,3-dihydro-		70	C4H6O	001191-99-7	9



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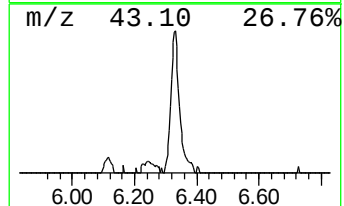
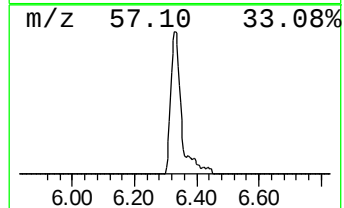
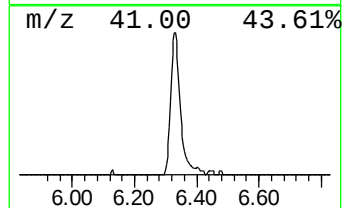
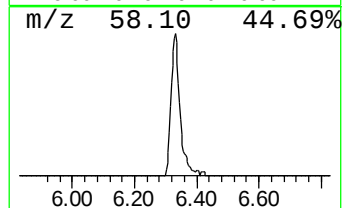
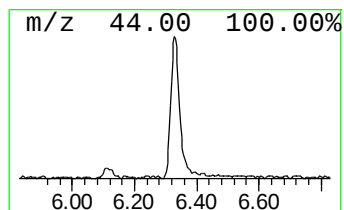
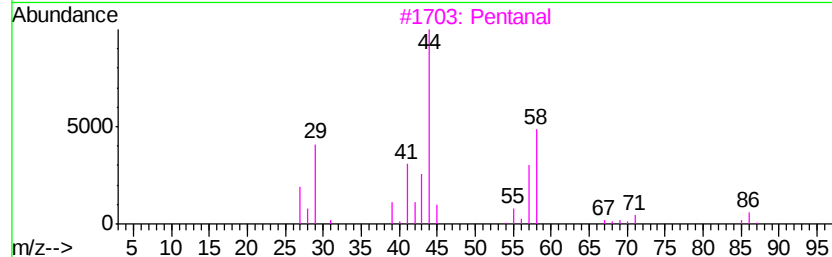
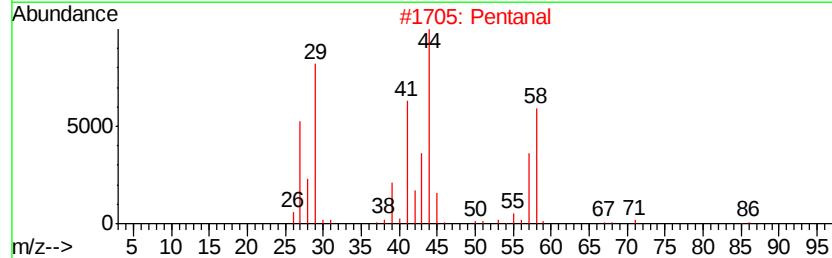
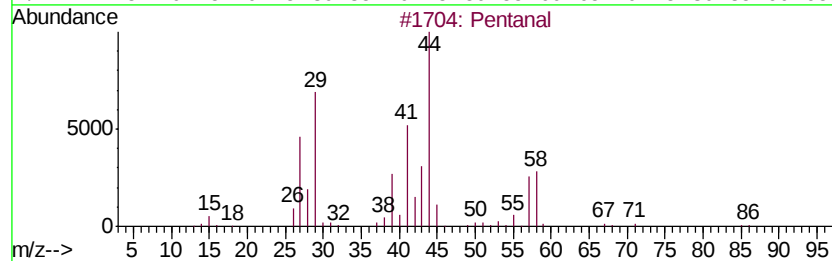
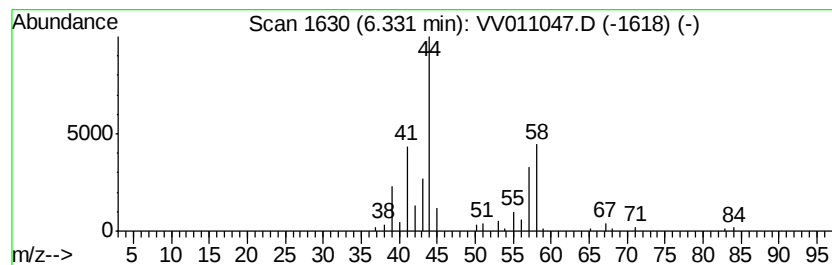
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Peak Number 4 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	8.90 ug/L	72177	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal			86	C5H10O	000110-62-3	86
2	Pentanal			86	C5H10O	000110-62-3	86
3	Pentanal			86	C5H10O	000110-62-3	78
4	Cyclopropyl carbinol			72	C4H8O	002516-33-8	50
5	Butanal, 3-methyl-			86	C5H10O	000590-86-3	43



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Acq On : 24 May 2019 02:43
Operator : SY/MD
Sample : K3016-15
Misc : 5.31G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
A51D2

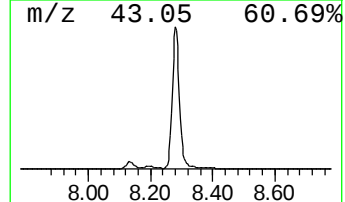
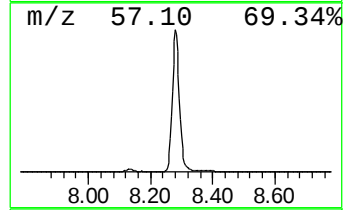
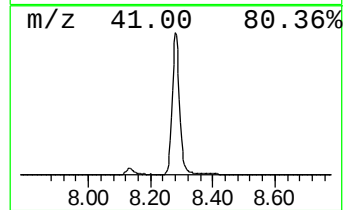
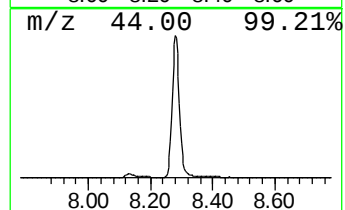
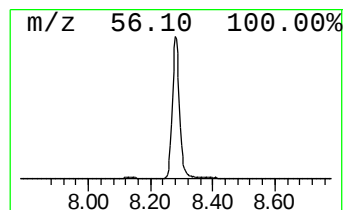
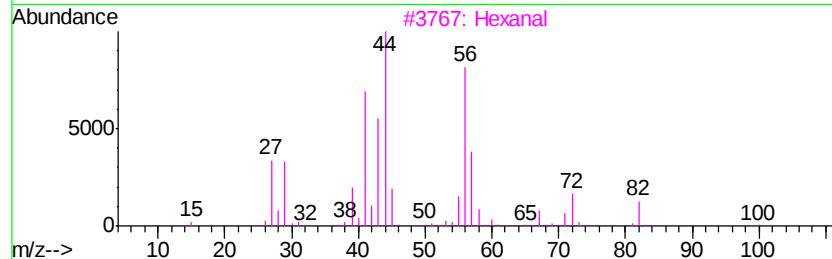
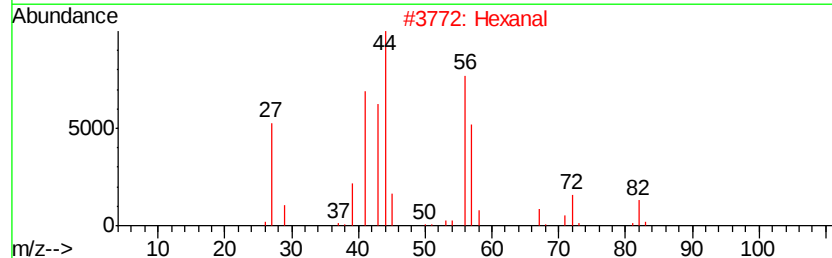
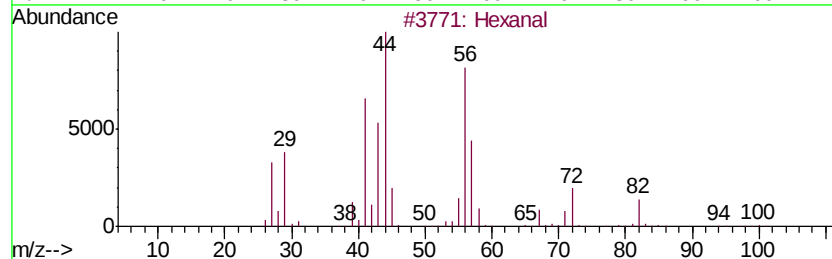
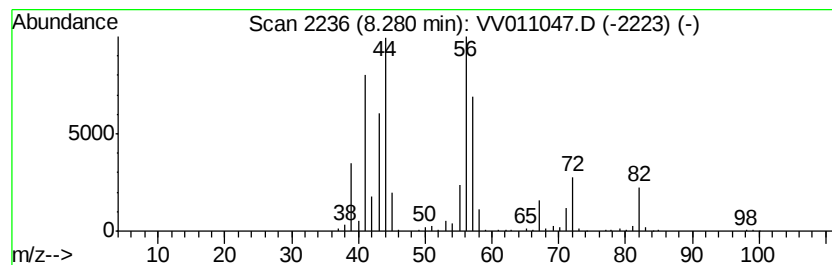
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Quant Title : VOC Analysis

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	58.13 ug/L	574141	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	91
2		Hexanal	100	C6H12O	000066-25-1	90
3		Hexanal	100	C6H12O	000066-25-1	80
4		Hexanal	100	C6H12O	000066-25-1	59
5		Glutaraldehyde	100	C5H8O2	000111-30-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV052319\
Data File : VV011047.D
Acq On : 24 May 2019 02:43
Operator : SY/MD
Sample : K3016-15
Misc : 5.31G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
A51D2

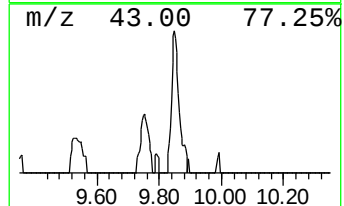
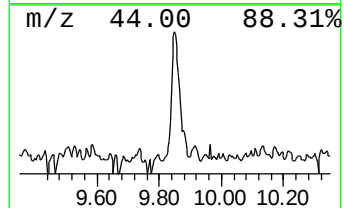
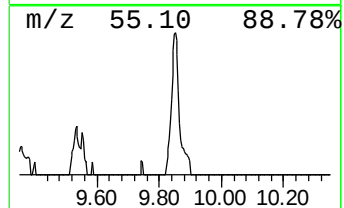
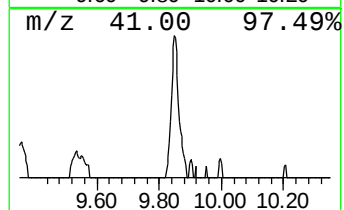
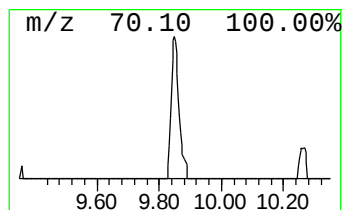
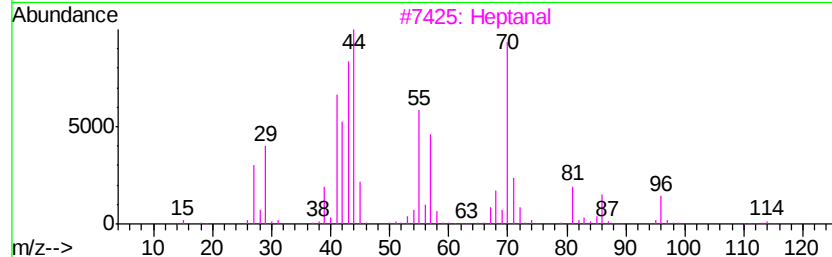
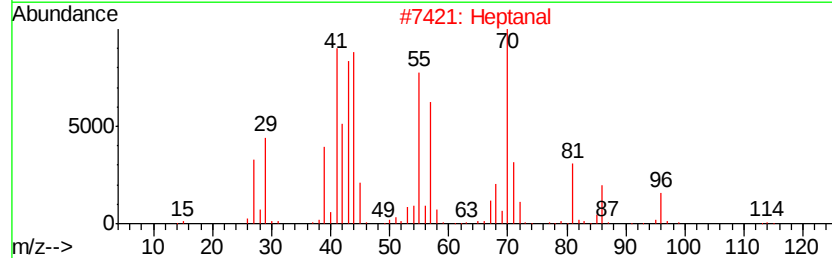
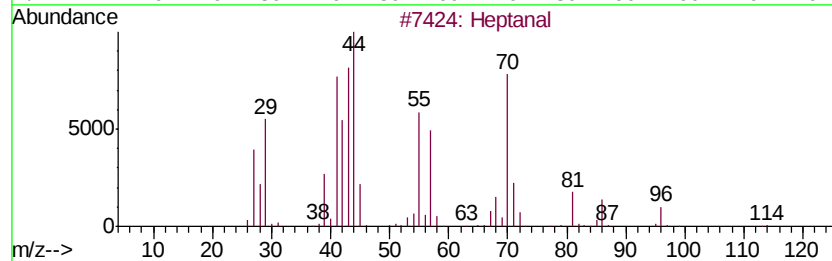
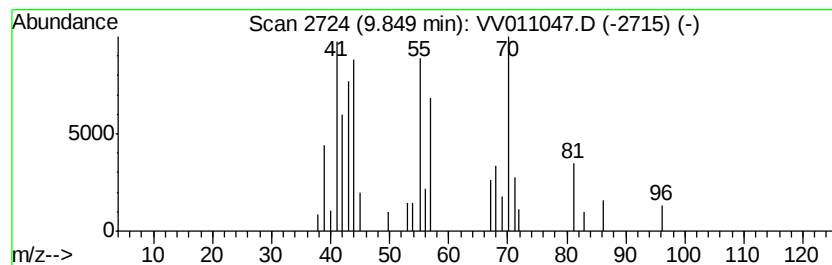
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Quant Title : VOC Analysis

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

Peak Number 7 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.02 ug/L	19988	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	80
2		Heptanal	114	C7H14O	000111-71-7	80
3		Heptanal	114	C7H14O	000111-71-7	72
4		Heptanal	114	C7H14O	000111-71-7	64
5		Heptanal	114	C7H14O	000111-71-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011047.D
Acq On : 24 May 2019 02:43
Operator : SY/MD
Sample : K3016-15
Misc : 5.31G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D2

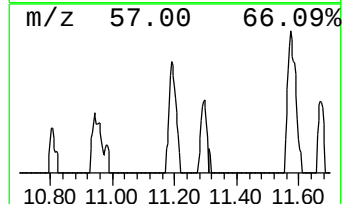
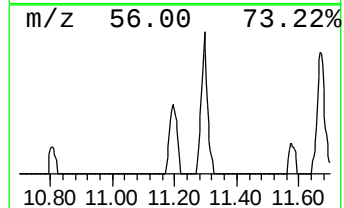
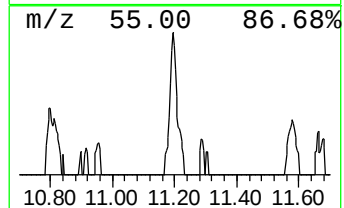
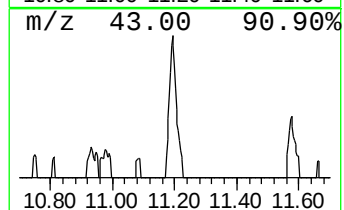
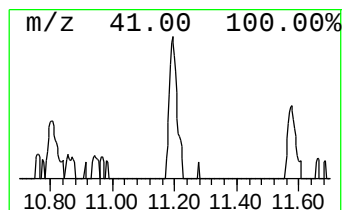
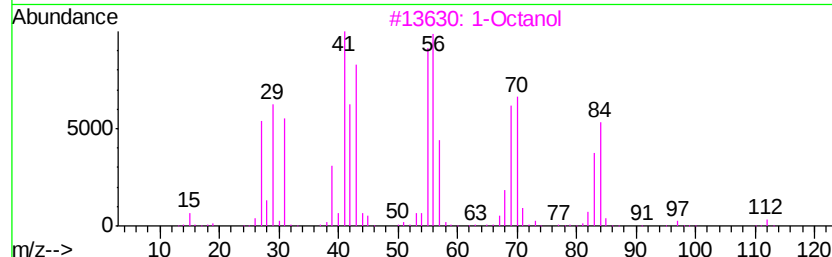
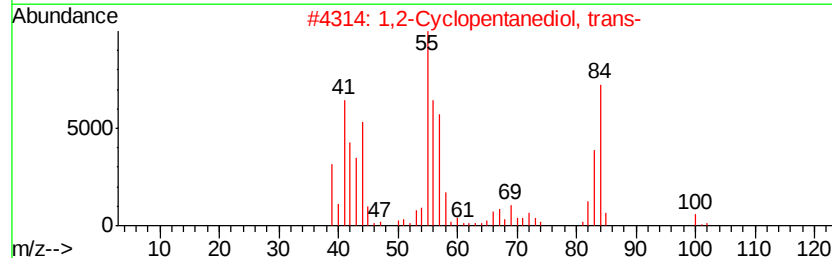
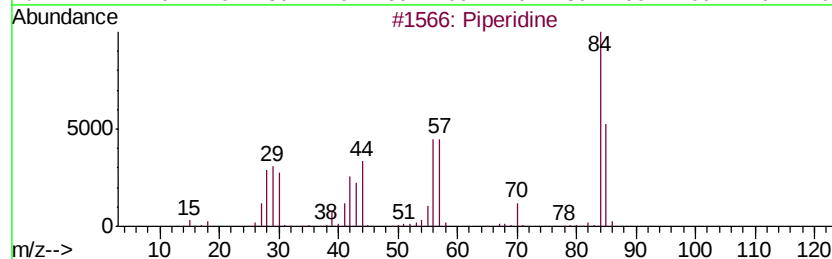
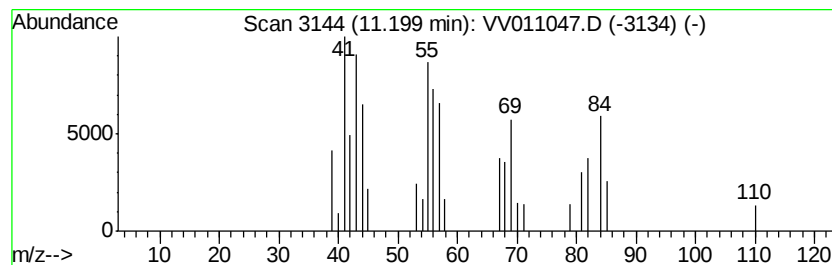
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Quant Title : VOC Analysis

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

Peak Number 9 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	1.94 ug/L	13216	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Piperidine	85	C5H11N	000110-89-4	43
2		1,2-Cyclopentanediol, trans-	102	C5H10O2	005057-99-8	38
3		1-Octanol	130	C8H18O	000111-87-5	32
4		1-Pentene, 3-methyl-	84	C6H12	000760-20-3	27
5		1-Pentene, 3-methyl-	84	C6H12	000760-20-3	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011047.D
Acq On : 24 May 2019 02:43
Operator : SY/MD
Sample : K3016-15
Misc : 5.31G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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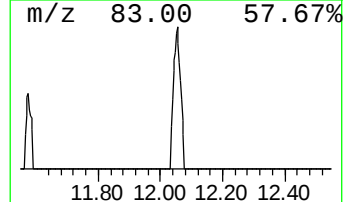
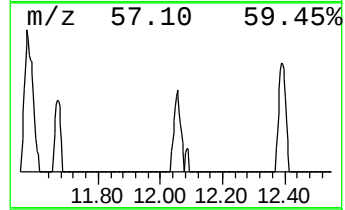
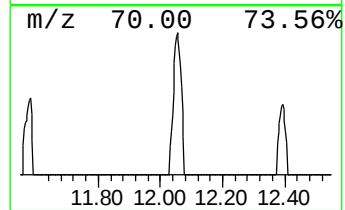
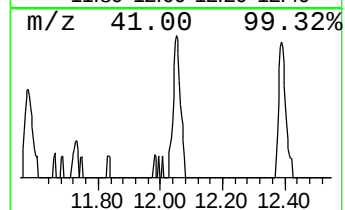
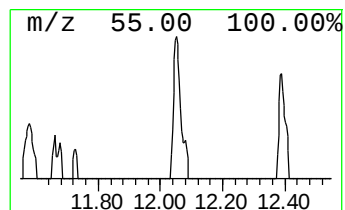
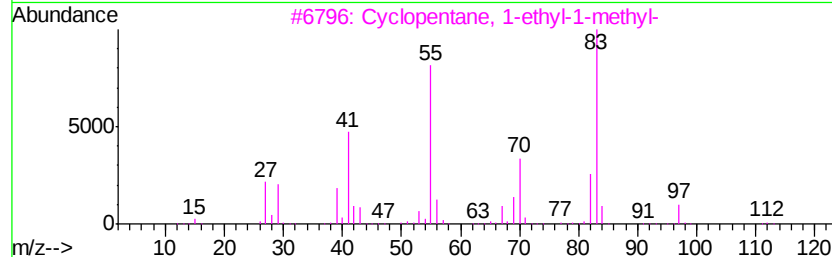
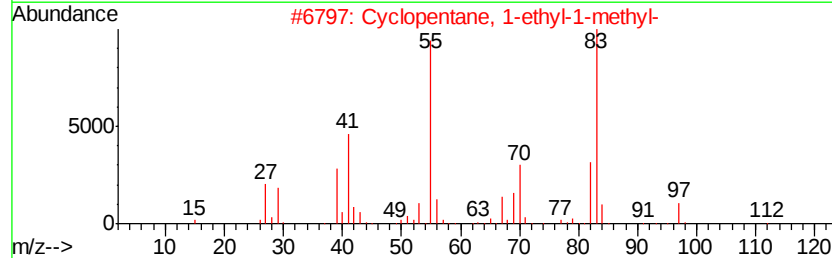
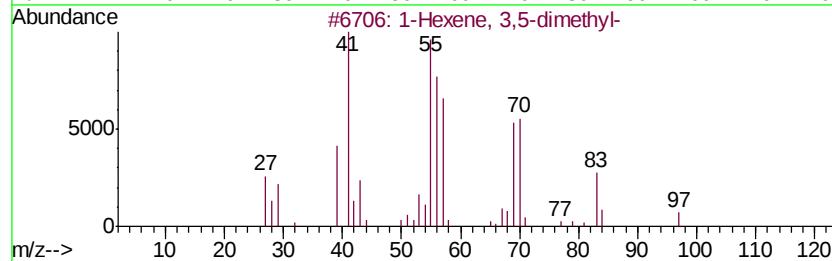
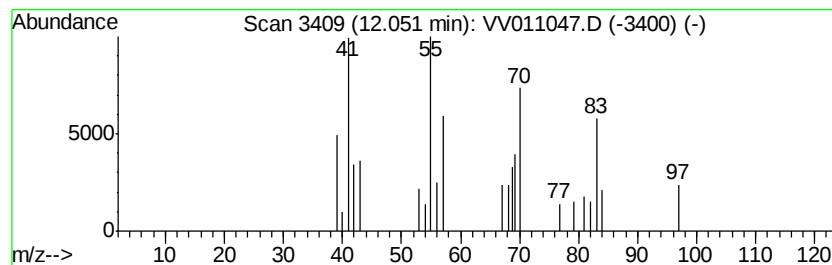
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic12.05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	1.32 ug/L	8982	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 3,5-dimethyl-	112	C8H16	007423-69-0	45
2		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	40
3		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	33
4		1-Octanol	130	C8H18O	000111-87-5	32
5		4-Pentenal, 2-ethyl-	112	C7H12O	005204-80-8	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011047.D
Acq On : 24 May 2019 02:43
Operator : SY/MD
Sample : K3016-15
Misc : 5.31G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D2

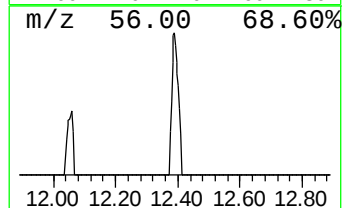
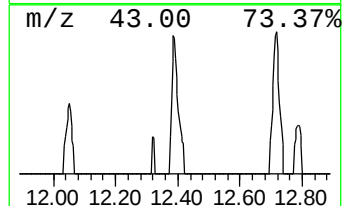
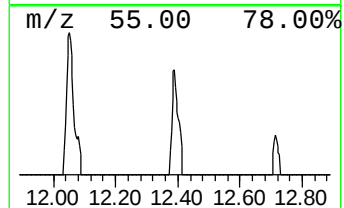
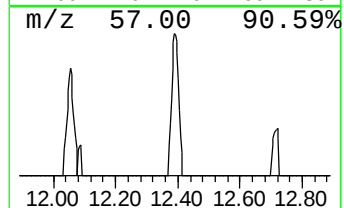
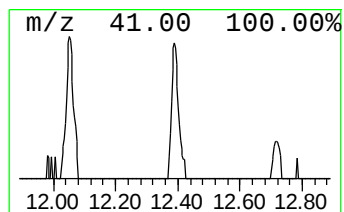
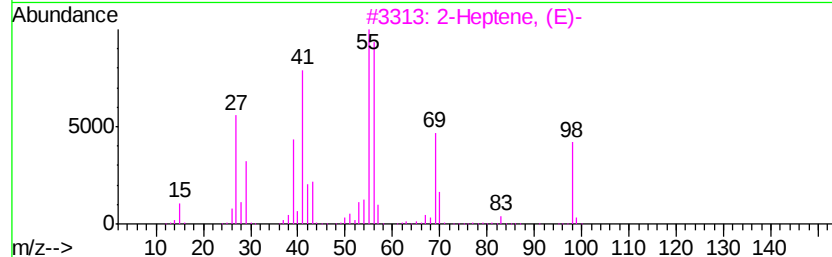
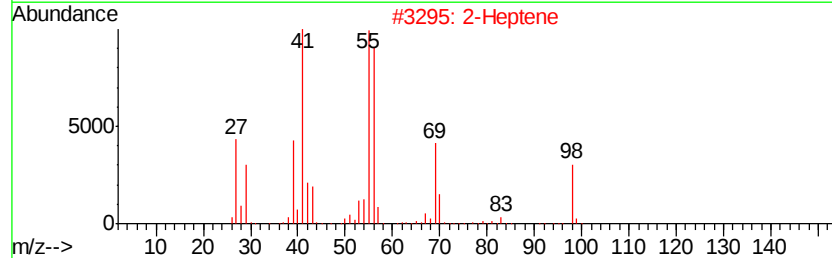
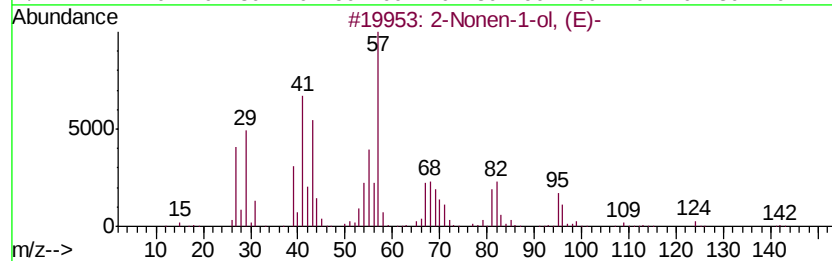
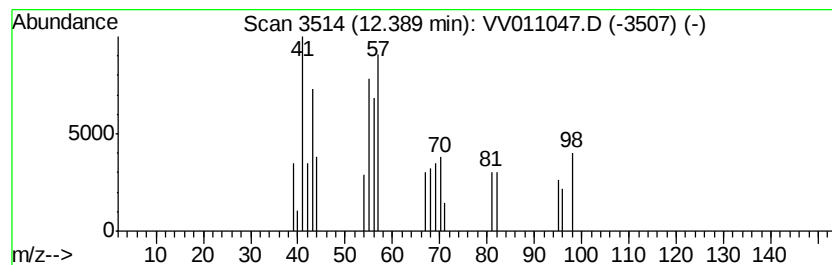
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Quant Title : VOC Analysis

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

Peak Number 11 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.25 ug/L	8521	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonen-1-ol, (E)-			142	C9H18O	031502-14-4	35
2	2-Heptene			98	C7H14	000592-77-8	25
3	2-Heptene, (E)-			98	C7H14	014686-13-6	22
4	2-Hepten-1-ol, (E)-			114	C7H14O	033467-76-4	17
5	(Z)-3-Heptene			98	C7H14	007642-10-6	16



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\
Data File : VV011047.D
Acq On : 24 May 2019 02:43
Operator : SY/MD
Sample : K3016-15
Misc : 5.31G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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
(DEL) Alkane: Str...	1.81	2.6	ug/L	21228	1	5.66	202684	25.0
Butanal	3.75	1.6	ug/L	13346	1	5.66	202684	25.0
Pentanal	6.33	8.9	ug/L	72177	1	5.66	202684	25.0
Hexanal	8.28	58.1	ug/L	574141	2	8.89	246912	25.0
Heptanal	9.85	2.0	ug/L	19988	2	8.89	246912	25.0
unknown-01	11.20	1.9	ug/L	13216	3	11.30	170217	25.0
(DEL) Alkane: Cyc...	12.05	1.3	ug/L	8982	3	11.30	170217	25.0
unknown-02	12.39	1.3	ug/L	8521	3	11.30	170217	25.0