

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
 Data File : VV011151.D
 Acq On : 30 May 2019 22:25
 Operator : SY/MD
 Sample : K3083-03
 Misc : 3.21G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51F6

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	1.113	3	7	25	rVB2	65560	69003	2.35%	0.530%
2	1.312	61	69	76	rBV	184259	176913	6.03%	1.358%
3	1.386	86	92	102	rBV	157917	156800	5.35%	1.204%
4	1.563	141	147	156	rVB	124975	141589	4.83%	1.087%
5	1.807	216	223	233	rVB	134359	169044	5.77%	1.298%
6	2.119	310	320	331	rVV2	286043	427946	14.60%	3.286%
7	2.187	333	341	355	rVB	223710	323359	11.03%	2.483%
8	2.454	415	424	440	rVB	216367	346091	11.80%	2.657%
9	2.991	579	591	603	rBV	17220	36588	1.25%	0.281%
10	3.065	604	614	629	rVB3	11781	25200	0.86%	0.193%
11	3.126	629	633	638	rVB7	1406	1584	0.05%	0.012%
12	3.164	638	645	648	rBV6	1575	1894	0.06%	0.015%
13	3.200	648	656	669	rBV4	11080	23118	0.79%	0.177%
14	3.296	681	686	693	rVB8	1832	2491	0.08%	0.019%
15	3.470	738	740	744	rVB3	1633	1060	0.04%	0.008%
16	3.540	753	762	763	rBV7	2489	2750	0.09%	0.021%
17	3.608	779	783	787	rBV5	1602	1344	0.05%	0.010%
18	3.746	813	826	848	rBV3	65679	160632	5.48%	1.233%
19	3.933	871	884	903	rBV2	53212	141215	4.82%	1.084%
20	4.177	957	960	962	rVB3	1719	894	0.03%	0.007%
21	4.267	984	988	991	rBV5	1340	1188	0.04%	0.009%
22	4.306	996	1000	1003	rVB4	1375	913	0.03%	0.007%
23	4.396	1009	1028	1050	rBV	185892	452227	15.42%	3.472%
24	4.531	1067	1070	1073	rBV4	1511	929	0.03%	0.007%
25	4.563	1076	1080	1083	rVV6	1412	1217	0.04%	0.009%
26	4.727	1128	1131	1137	rBV7	1957	1560	0.05%	0.012%
27	5.090	1227	1244	1272	rBV2	449921	1096370	37.39%	8.418%
28	5.370	1317	1331	1347	rBV3	32657	76021	2.59%	0.584%
29	5.576	1374	1395	1407	rBV2	26925	76795	2.62%	0.590%
30	5.659	1409	1421	1448	rVB	331136	664478	22.66%	5.102%
31	5.904	1494	1497	1499	rBV3	1651	991	0.03%	0.008%
32	5.997	1520	1526	1538	rVB2	13613	23817	0.81%	0.183%
33	6.113	1550	1562	1586	rBV2	258772	519251	17.71%	3.987%
34	6.328	1616	1629	1657	rBV	318844	628150	21.42%	4.823%

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35	6.502	1680	1683	1688	rVB6	1301	1106	0.04%	0.008%
36	6.984	1826	1833	1834	rBV4	2866	2075	0.07%	0.016%
37	7.026	1836	1846	1861	rVB	119541	208952	7.13%	1.604%
38	7.180	1888	1894	1895	rBV4	3336	2584	0.09%	0.020%
39	7.277	1916	1924	1930	rBV7	3981	6742	0.23%	0.052%
40	7.357	1930	1949	1962	rBV	448968	830466	28.32%	6.376%
41	7.576	2014	2017	2021	rBV5	1463	1411	0.05%	0.011%
42	7.608	2021	2027	2034	rVB3	6015	6846	0.23%	0.053%
43	7.662	2035	2044	2057	rBV	72151	121259	4.14%	0.931%
44	7.974	2130	2141	2153	rBV4	15758	36267	1.24%	0.278%
45	8.132	2179	2190	2207	rBV	177323	320265	10.92%	2.459%
46	8.280	2224	2236	2263	rBV	1787167	2931991	100.00%	22.511%
47	8.894	2405	2427	2450	rVV	410308	693178	23.64%	5.322%
48	9.051	2472	2476	2479	rBV6	1994	1803	0.06%	0.014%
49	9.109	2489	2494	2501	rVB7	3196	4672	0.16%	0.036%
50	9.183	2508	2517	2521	rBV5	6593	10776	0.37%	0.083%
51	9.241	2525	2535	2562	rVB	64789	215825	7.36%	1.657%
52	9.527	2615	2624	2636	rBV4	22122	48020	1.64%	0.369%
53	9.746	2684	2692	2702	rBV3	14625	22848	0.78%	0.175%
54	9.849	2715	2724	2749	rVB	111505	188994	6.45%	1.451%
55	10.039	2781	2783	2789	rBV5	1424	1193	0.04%	0.009%
56	10.096	2795	2801	2805	rBV8	2134	2029	0.07%	0.016%
57	10.145	2809	2816	2818	rBV7	1375	1884	0.06%	0.014%
58	10.164	2818	2822	2824	rBV4	1852	1400	0.05%	0.011%
59	10.260	2834	2852	2870	rBV	174706	284891	9.72%	2.187%
60	10.389	2888	2892	2894	rVV4	3290	2896	0.10%	0.022%
61	10.421	2894	2902	2914	rVB3	15023	27934	0.95%	0.214%
62	10.559	2935	2945	2955	rBV5	16242	31390	1.07%	0.241%
63	10.624	2957	2965	2980	rVV	32565	52803	1.80%	0.405%
64	10.759	2999	3007	3014	rVV2	12943	20382	0.70%	0.156%
65	10.804	3014	3021	3034	rVB4	14907	28758	0.98%	0.221%
66	10.968	3058	3072	3086	rVB9	18597	59587	2.03%	0.457%
67	11.080	3103	3107	3115	rBV7	4218	5631	0.19%	0.043%
68	11.196	3132	3143	3161	rBV2	85163	145332	4.96%	1.116%
69	11.293	3162	3173	3188	rVV	214200	350109	11.94%	2.688%
70	11.376	3193	3199	3206	rVB9	4717	6332	0.22%	0.049%
71	11.579	3252	3262	3276	rBV4	8429	16636	0.57%	0.128%

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72	11.672	3279	3291	3301	rBV	184008	300331	10.24%	2.306%
73	12.055	3402	3410	3422	rVB4	27564	46685	1.59%	0.358%
74	12.183	3443	3450	3453	rBV7	4265	4779	0.16%	0.037%
75	12.293	3473	3484	3495	rBV5	12274	24162	0.82%	0.186%
76	12.392	3504	3515	3530	rBV2	52775	87577	2.99%	0.672%
77	12.665	3593	3600	3608	rBV2	5068	7067	0.24%	0.054%
78	12.717	3611	3616	3623	rVB6	5454	6581	0.22%	0.051%
79	12.788	3629	3638	3648	rBV5	8725	15565	0.53%	0.120%
80	12.826	3648	3650	3654	rBV3	1293	959	0.03%	0.007%
81	12.936	3676	3684	3694	rVB3	3174	5602	0.19%	0.043%
82	13.045	3714	3718	3725	rBV9	2235	2624	0.09%	0.020%
83	13.186	3754	3762	3778	rVV9	7172	13918	0.47%	0.107%
84	13.479	3844	3853	3861	rBV8	5381	9183	0.31%	0.071%
85	13.637	3896	3902	3908	rVB8	1805	2642	0.09%	0.020%
86	13.733	3924	3932	3934	rBV6	2856	2823	0.10%	0.022%
87	13.794	3949	3951	3955	rBV4	1295	879	0.03%	0.007%
88	13.817	3955	3958	3964	rVB7	1285	1191	0.04%	0.009%
89	13.916	3982	3989	3993	rVB8	2607	3330	0.11%	0.026%
90	14.090	4035	4043	4054	rVV4	5130	10222	0.35%	0.078%
91	14.225	4078	4085	4092	rBV4	7822	12492	0.43%	0.096%
92	14.379	4126	4133	4141	rVB8	4627	7645	0.26%	0.059%
93	14.669	4219	4223	4224	rBV3	1579	1013	0.03%	0.008%
94	14.820	4267	4270	4273	rBV4	1188	952	0.03%	0.007%
95	15.196	4383	4387	4389	rBV3	2026	1569	0.05%	0.012%
96	15.302	4417	4420	4423	rBV4	1561	1005	0.03%	0.008%
97	15.318	4423	4425	4429	rVB4	1407	942	0.03%	0.007%
98	15.353	4429	4436	4438	rBV7	1755	1924	0.07%	0.015%
99	15.399	4445	4450	4452	rBV5	1796	1465	0.05%	0.011%
100	15.553	4494	4498	4500	rBV4	1104	913	0.03%	0.007%

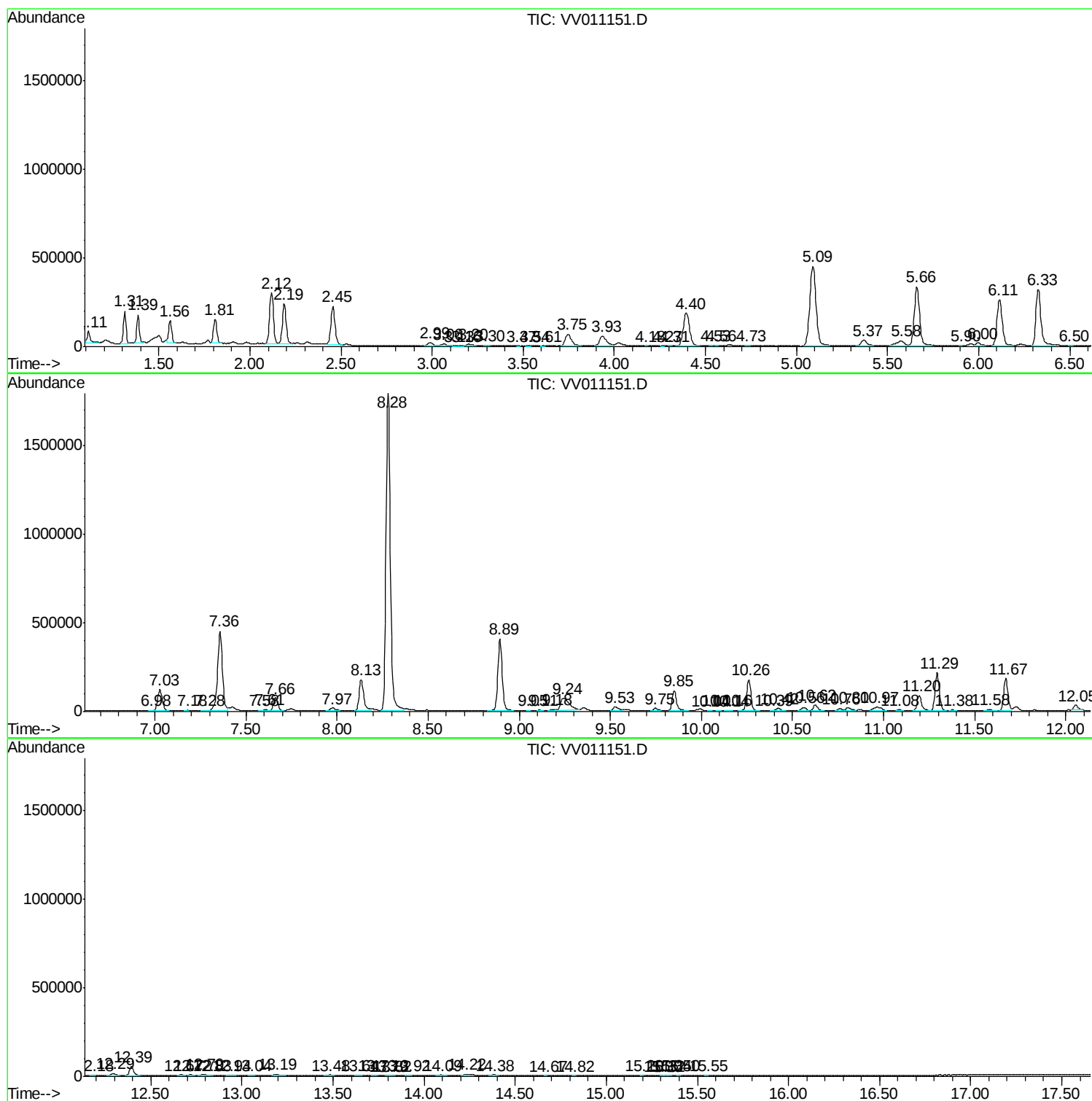
Sum of corrected areas: 13024729

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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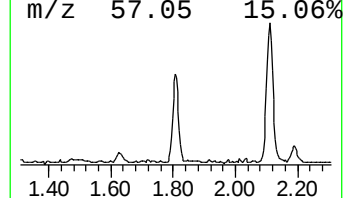
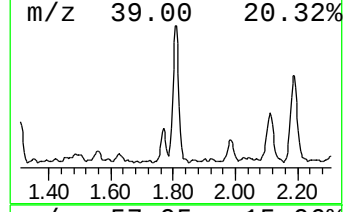
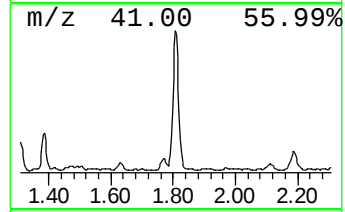
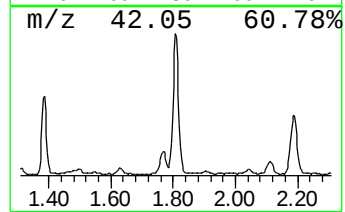
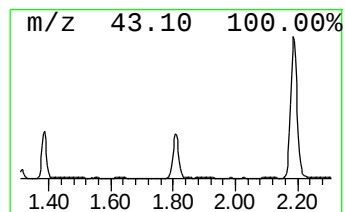
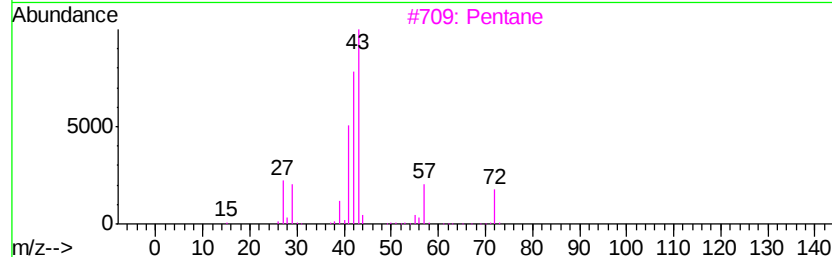
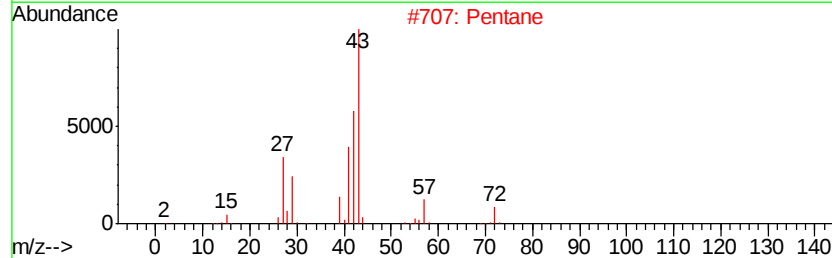
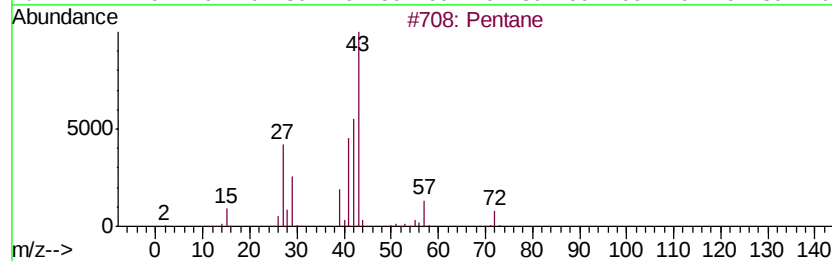
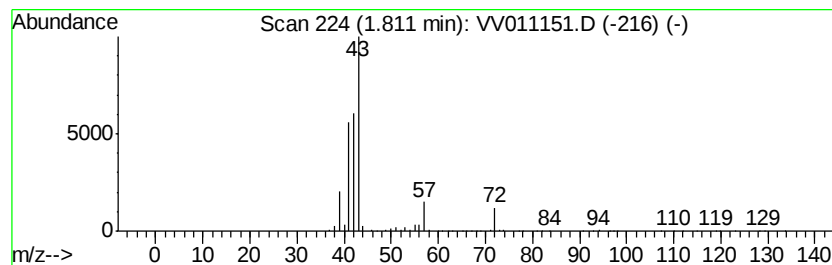
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	6.36 ug/L	169044	1,4-Difluorobenzene	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane		72	C5H12	000109-66-0	80
2	Pentane		72	C5H12	000109-66-0	72
3	Pentane		72	C5H12	000109-66-0	53
4	Oxirane, ethyl-		72	C4H8O	000106-88-7	40
5	Pentane		72	C5H12	000109-66-0	38



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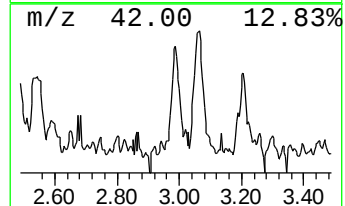
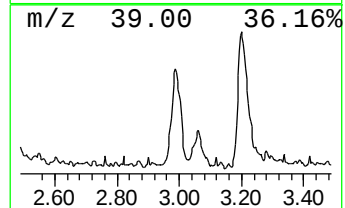
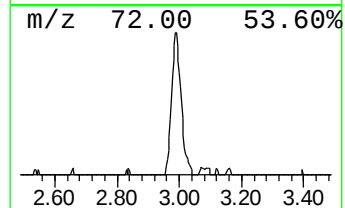
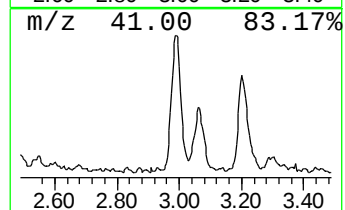
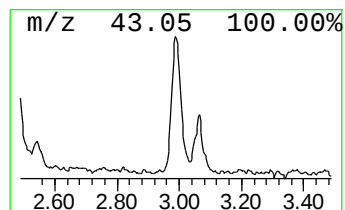
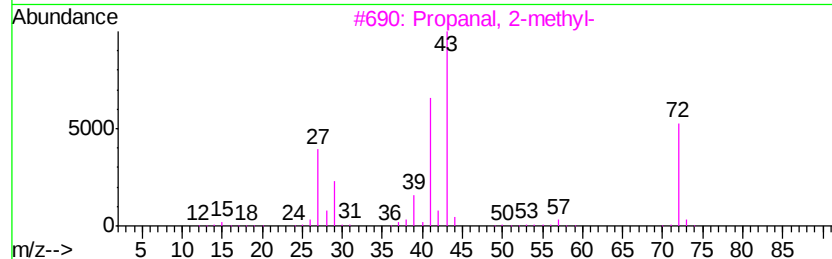
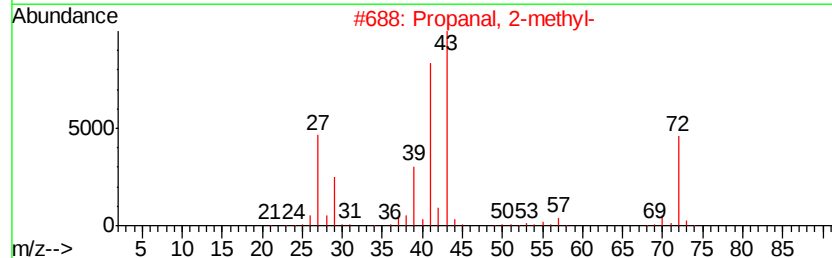
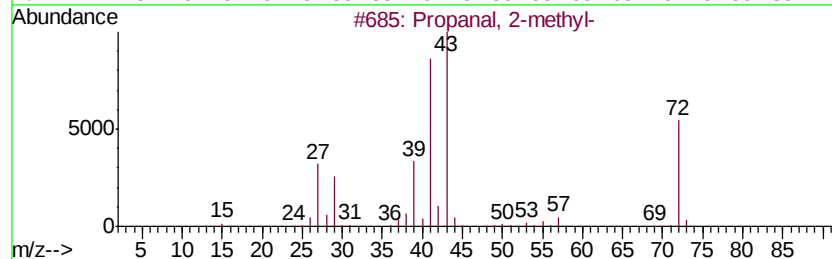
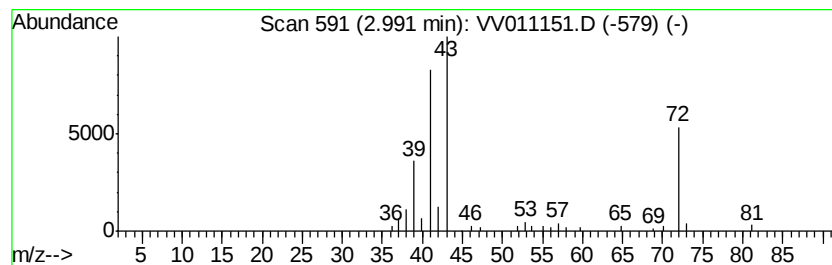
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Propanal, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	1.38 ug/L	36588	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	87
2		Propanal, 2-methyl-	72	C4H8O	000078-84-2	86
3		Propanal, 2-methyl-	72	C4H8O	000078-84-2	72
4		Butanal	72	C4H8O	000123-72-8	59
5		Propanal, 2-methyl-	72	C4H8O	000078-84-2	45



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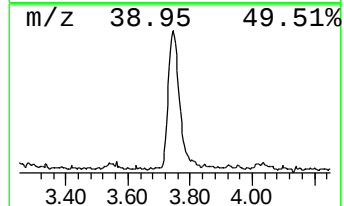
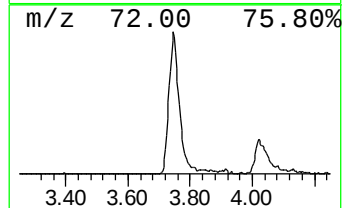
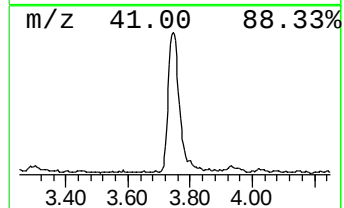
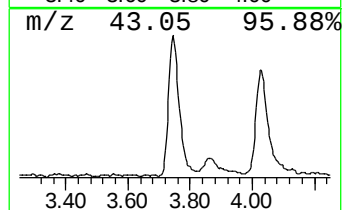
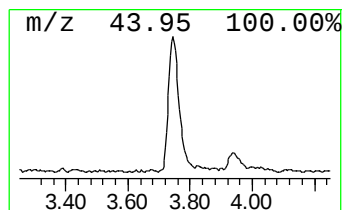
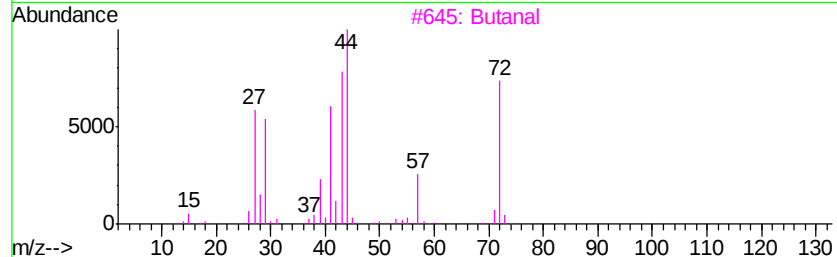
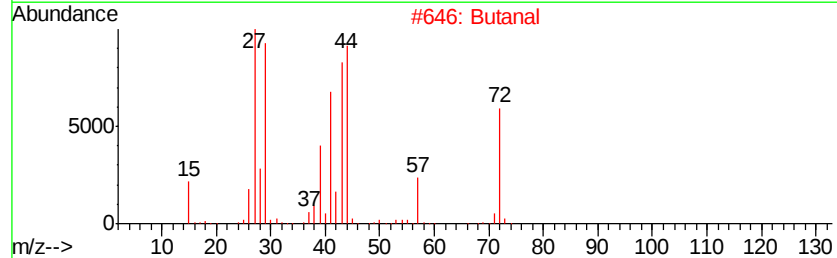
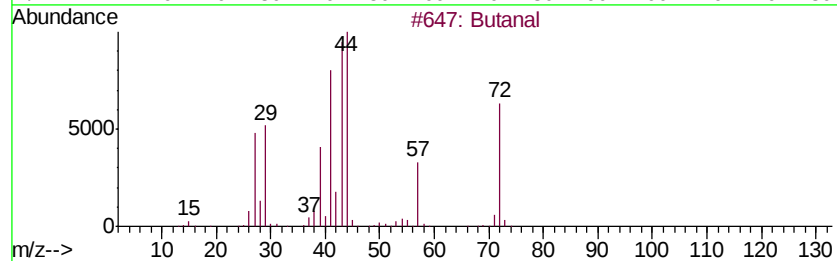
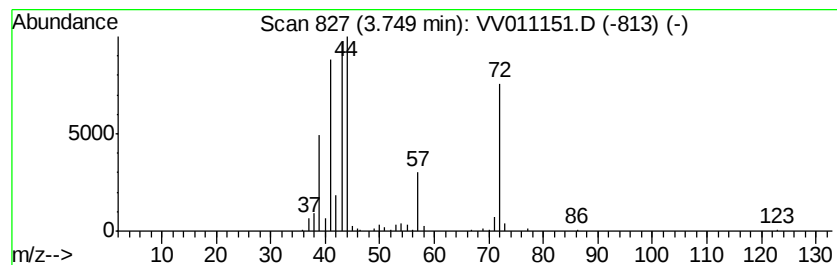
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Peak Number 5 Butanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	6.04 ug/L	160632	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	94
2		Butanal	72	C4H8O	000123-72-8	91
3		Butanal	72	C4H8O	000123-72-8	64
4		Ethene, ethoxy-	72	C4H8O	000109-92-2	53
5		Butanal	72	C4H8O	000123-72-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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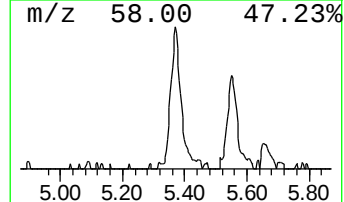
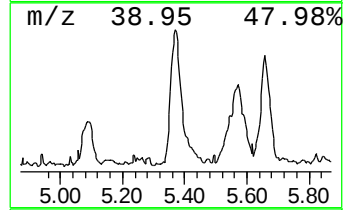
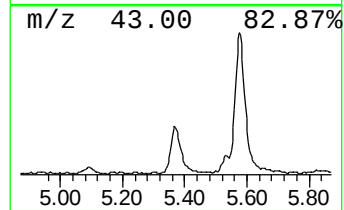
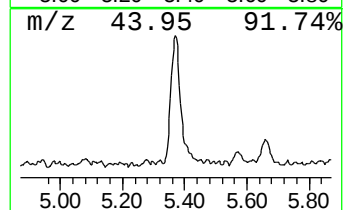
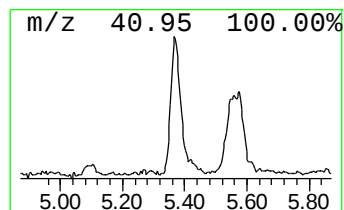
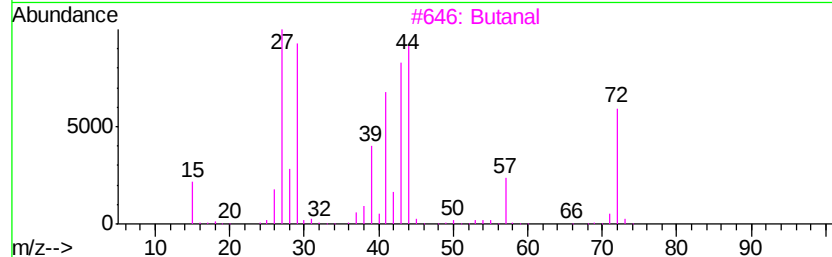
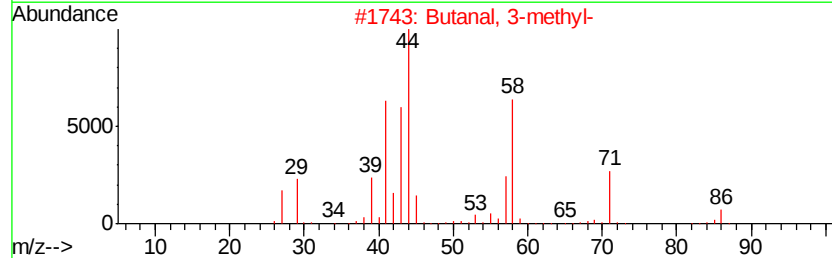
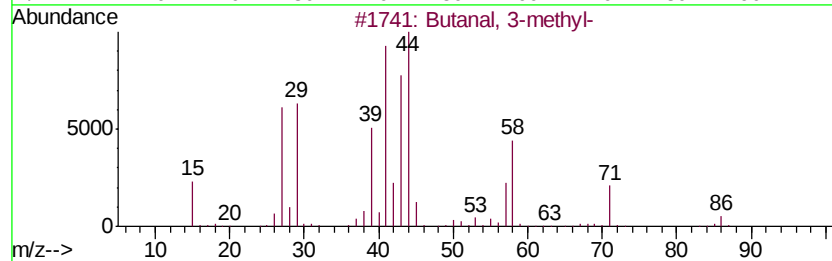
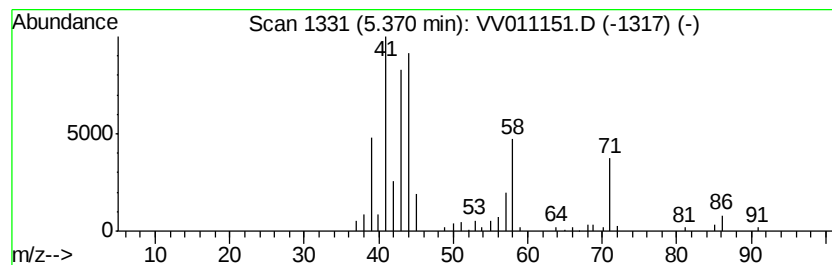
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Quant Title : VOC Analysis

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

Peak Number 6 Butanal, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	2.86 ug/L	76021	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	90
2		Butanal, 3-methyl-	86	C5H10O	000590-86-3	58
3		Butanal	72	C4H8O	000123-72-8	38
4		Butanal	72	C4H8O	000123-72-8	33
5		Oxirane, (3-methylbutyl)-	114	C7H14O	053229-41-7	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
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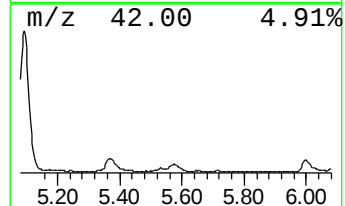
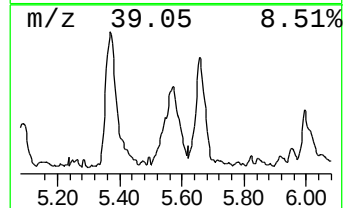
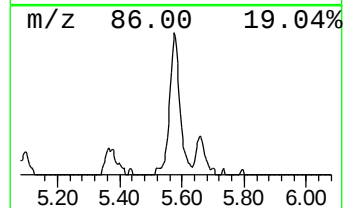
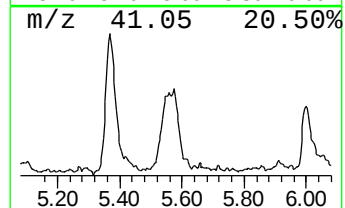
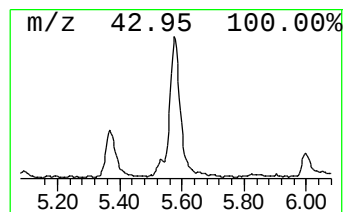
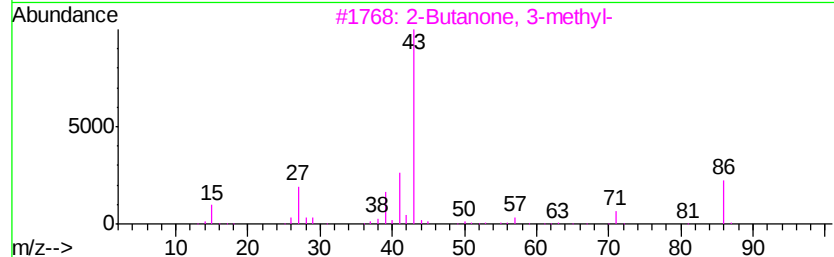
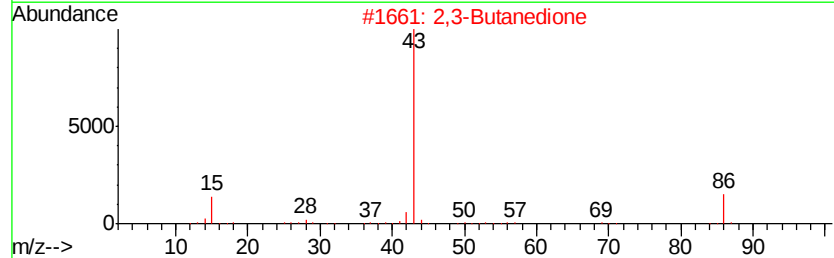
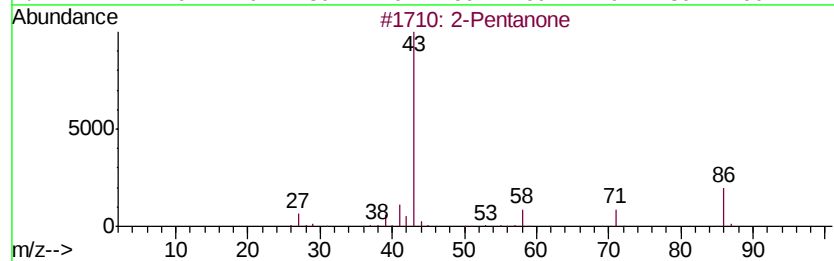
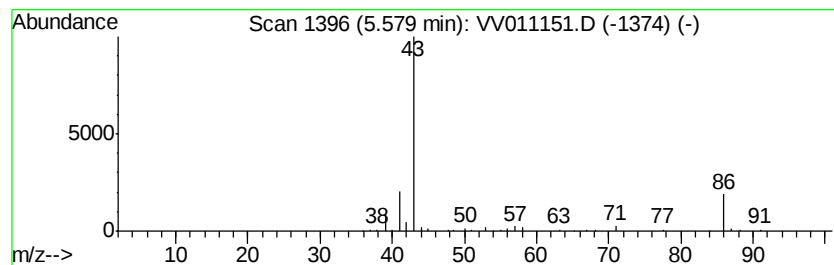
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Quant Title : VOC Analysis

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

Peak Number 7 2-Pentanone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	2.89 ug/L	76795	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone	86	C5H10O	000107-87-9	58
2		2,3-Butanedione	86	C4H6O2	000431-03-8	58
3		2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	45
4		2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	42
5		2-Pentanone	86	C5H10O	000107-87-9	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F6

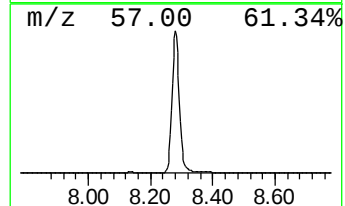
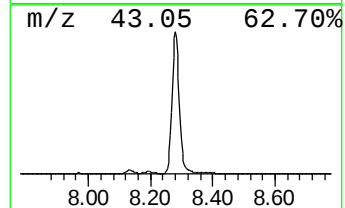
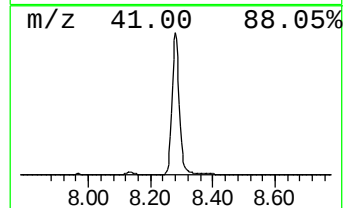
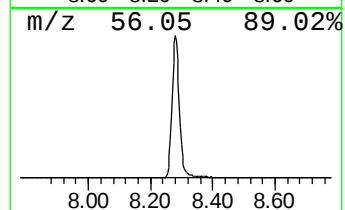
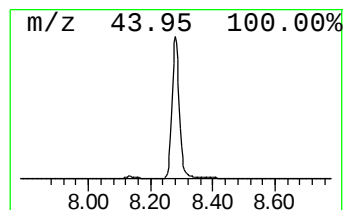
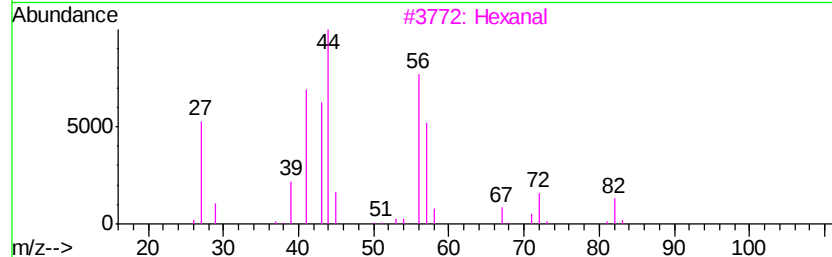
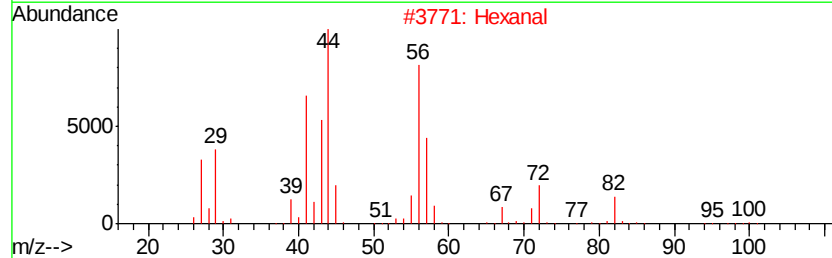
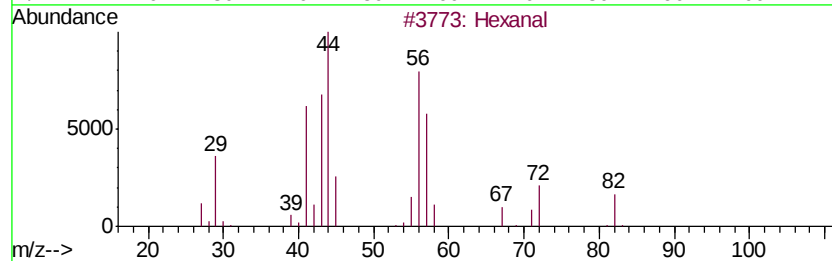
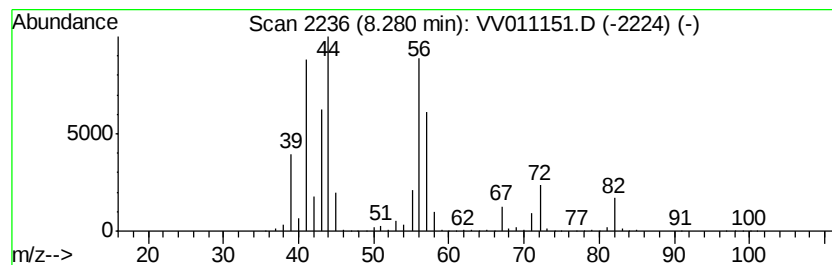
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Quant Title : VOC Analysis

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

Peak Number 11 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	105.75 ug/L	2931990	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	80
2		Hexanal	100	C6H12O	000066-25-1	80
3		Hexanal	100	C6H12O	000066-25-1	80
4		Hexanal	100	C6H12O	000066-25-1	72
5		Glutaraldehyde	100	C5H8O2	000111-30-8	30



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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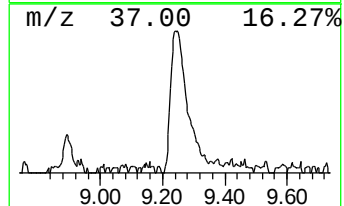
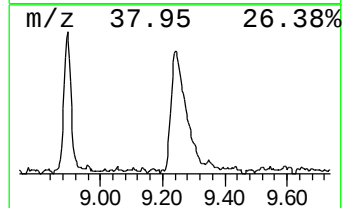
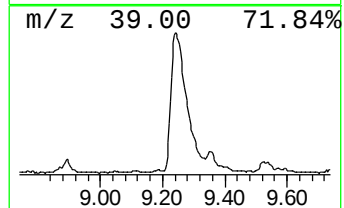
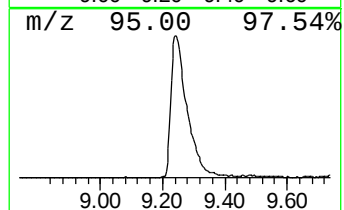
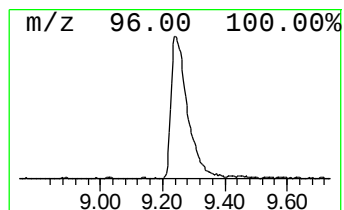
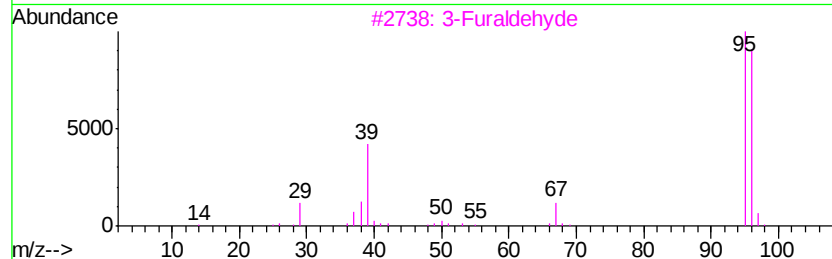
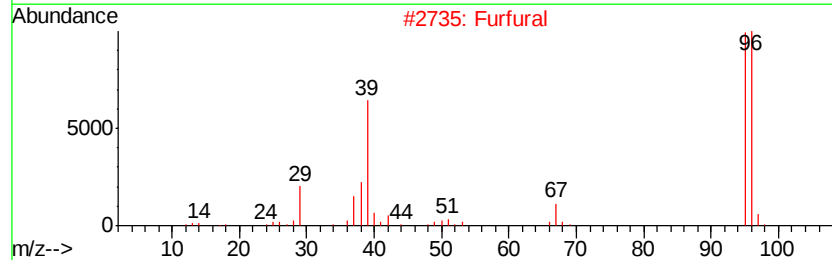
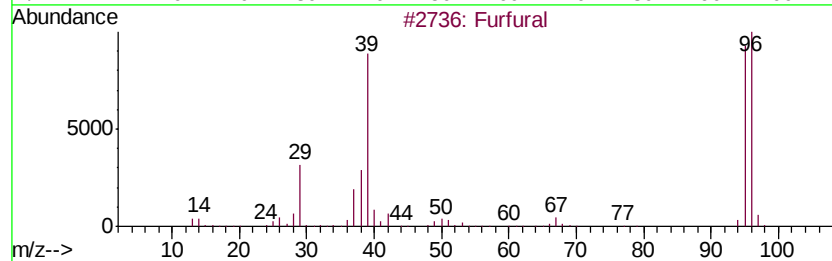
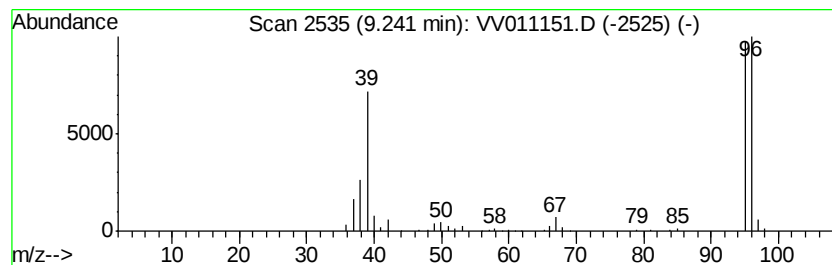
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Quant Title : VOC Analysis

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

Peak Number 12 Furfural Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	7.78 ug/L	215825	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Furfural	96	C5H4O2	000098-01-1	91
2		Furfural	96	C5H4O2	000098-01-1	91
3		3-Furaldehyde	96	C5H4O2	000498-60-2	83
4		Furfural	96	C5H4O2	000098-01-1	76
5		1H-Imidazole, 1,5-dimethyl-	96	C5H8N2	010447-93-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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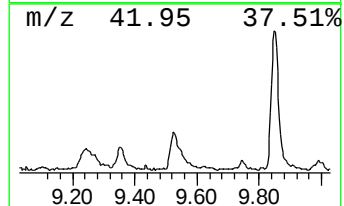
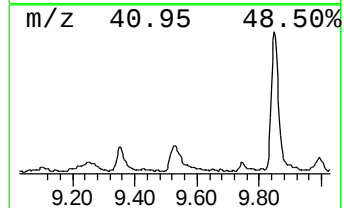
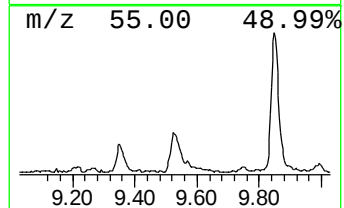
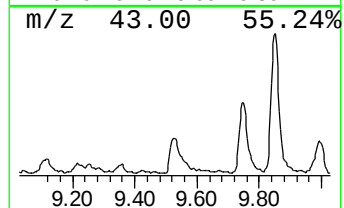
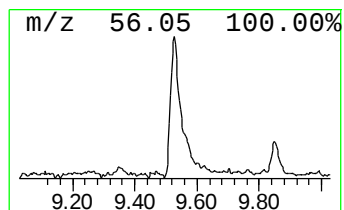
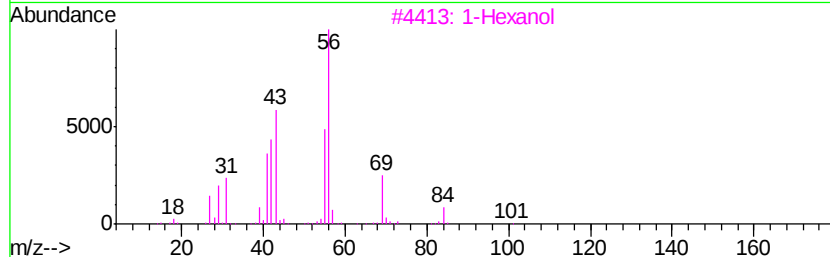
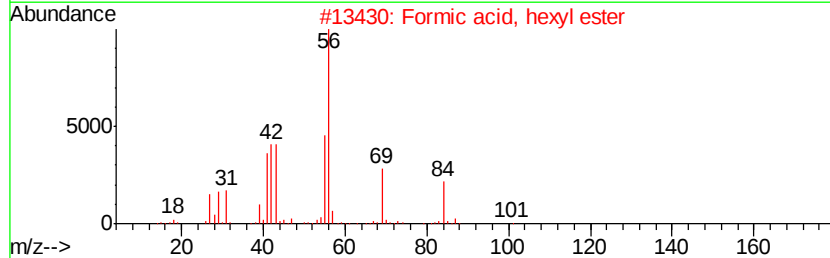
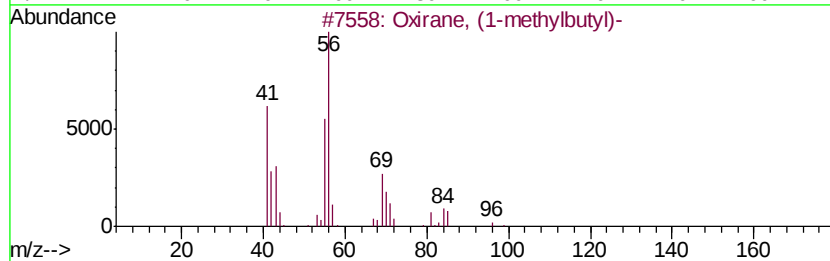
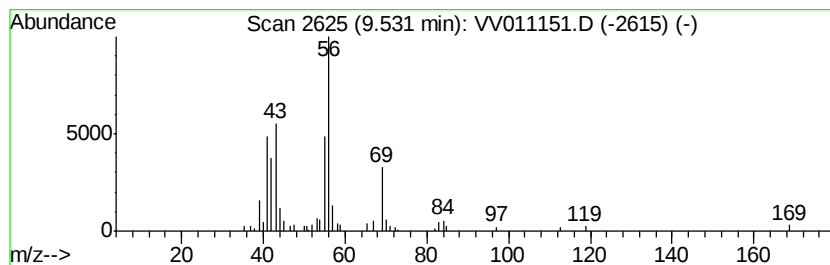
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Quant Title : VOC Analysis

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

Peak Number 13 Oxirane, (1-methylbutyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	1.73 ug/L	48020	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	78
2		Formic acid, hexyl ester	130	C7H14O2	000629-33-4	72
3		1-Hexanol	102	C6H14O	000111-27-3	72
4		1-Hexanol	102	C6H14O	000111-27-3	72
5		1-Hexanol	102	C6H14O	000111-27-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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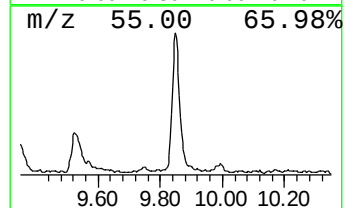
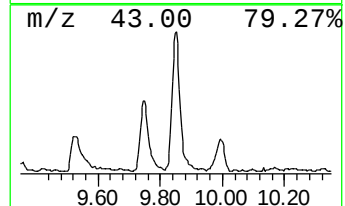
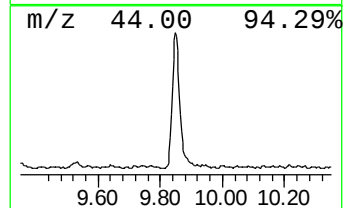
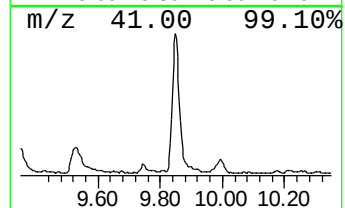
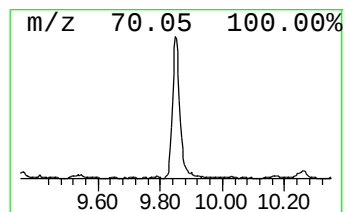
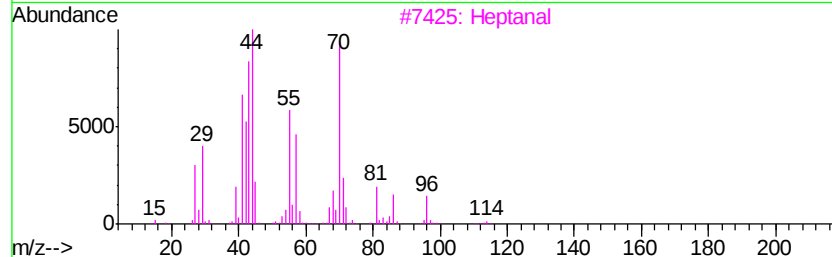
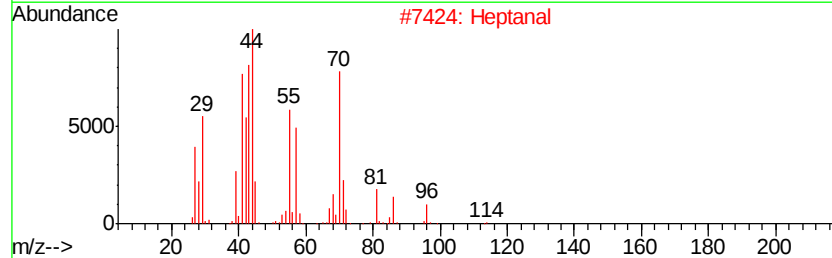
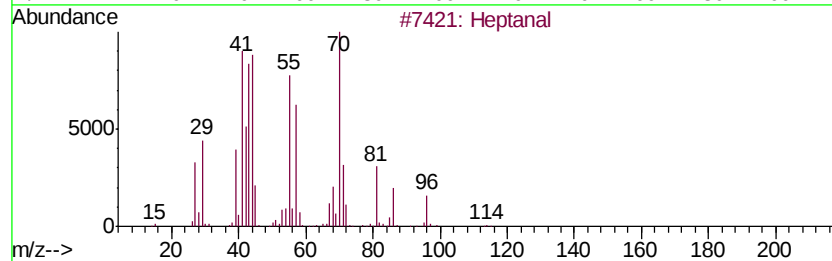
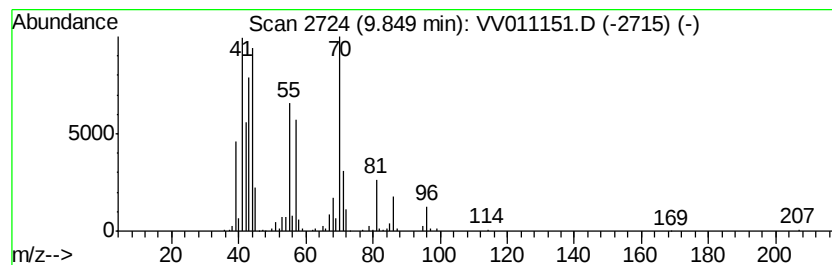
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Quant Title : VOC Analysis

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

Peak Number 14 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	6.82 ug/L	188994	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	96
2		Heptanal	114	C7H14O	000111-71-7	96
3		Heptanal	114	C7H14O	000111-71-7	80
4		Heptanal	114	C7H14O	000111-71-7	70
5		Heptanal	114	C7H14O	000111-71-7	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F6

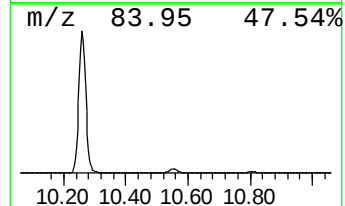
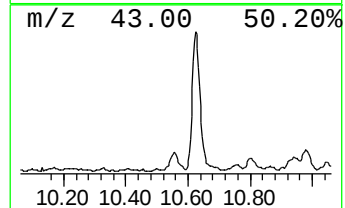
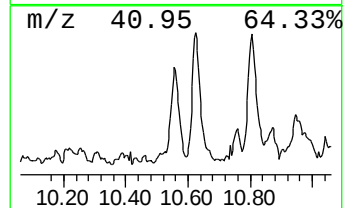
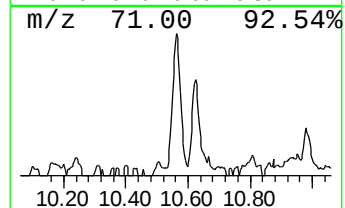
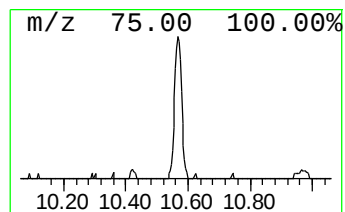
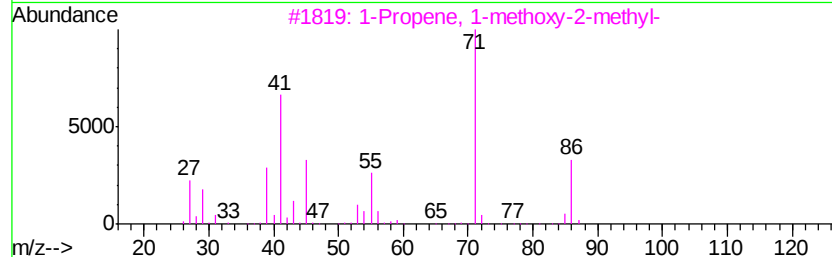
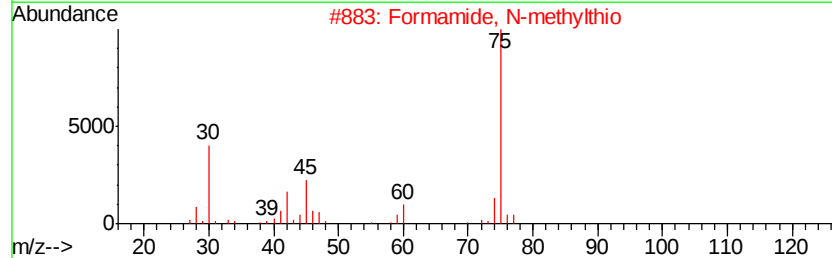
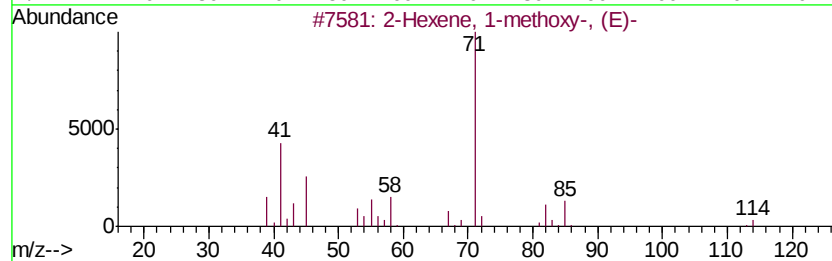
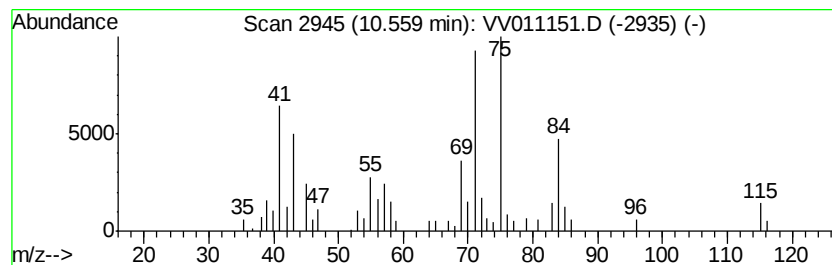
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Quant Title : VOC Analysis

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

Peak Number 16 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	2.24 ug/L	31390	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 1-methoxy-, (E)-			114	C7H14O	056052-83-6	35
2	Formamide, N-methylthio			75	C2H5NS	018952-41-5	27
3	1-Propene, 1-methoxy-2-methyl-			86	C5H10O	017574-84-4	27
4	Z-1-Methoxy-2-hexene			114	C7H14O	1000279-60-9	25
5	1-Butanol, 2,3-dimethyl-			102	C6H14O	019550-30-2	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

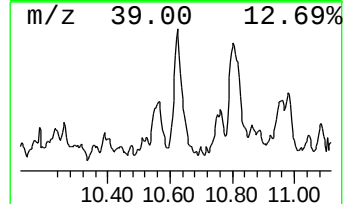
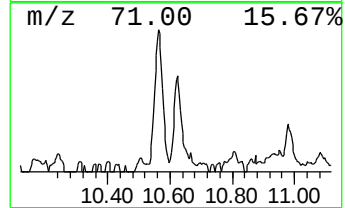
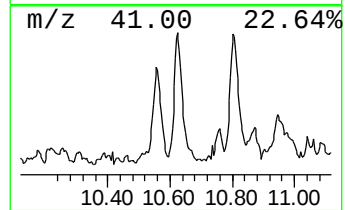
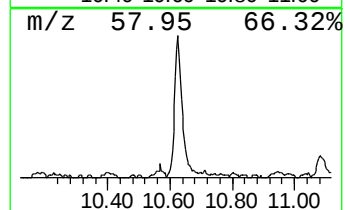
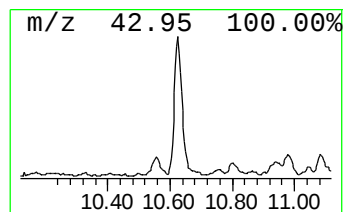
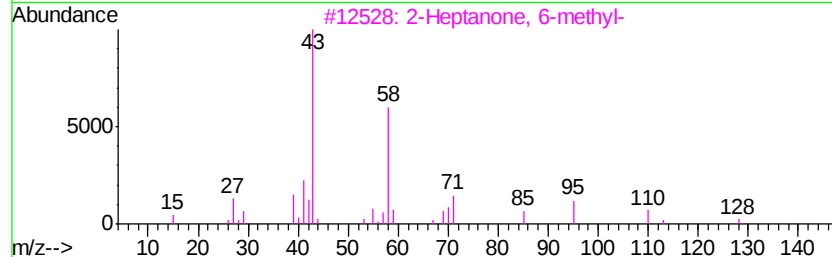
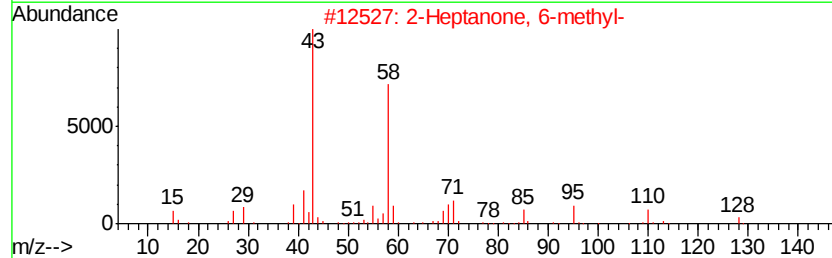
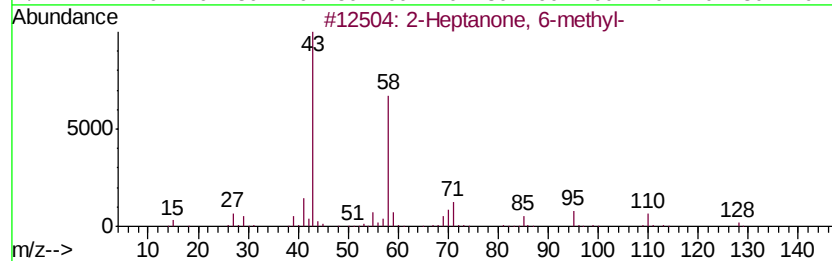
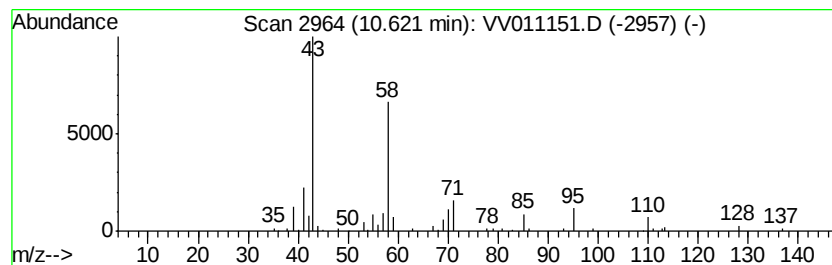
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 17 2-Heptanone, 6-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	3.77 ug/L	52803	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	91
2	2-Heptanone, 6-methyl-	128 C8H16O	000928-68-7	91
3	2-Heptanone, 6-methyl-	128 C8H16O	000928-68-7	72
4	2-Isopropyl-5-oxohexanal	156 C9H16O2	015303-46-5	56
5	2-Octanone	128 C8H16O	000111-13-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

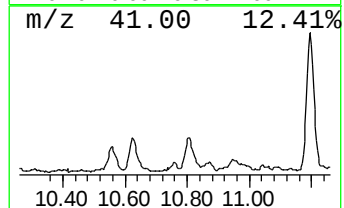
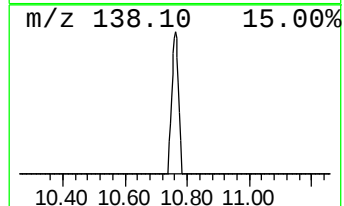
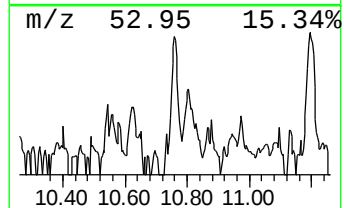
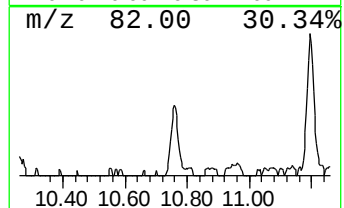
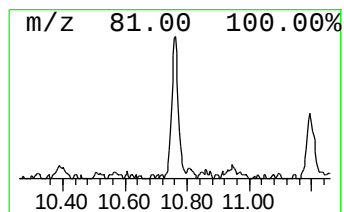
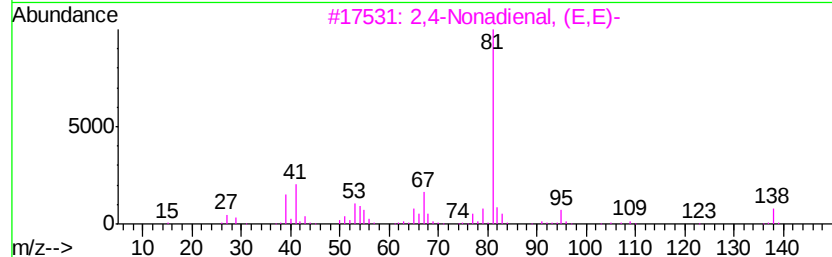
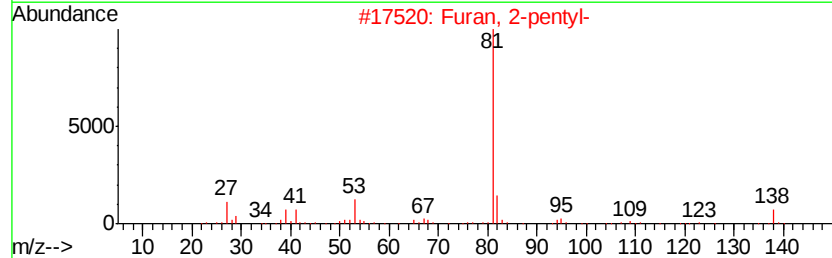
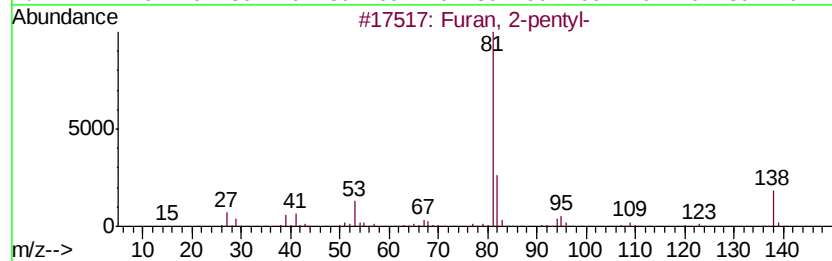
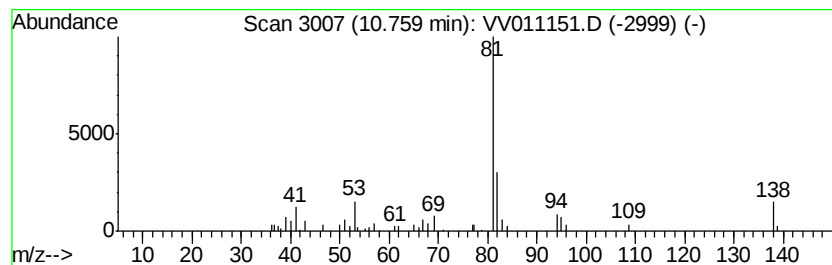
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 18 Furan, 2-pentyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	1.46 ug/L	20382	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Furan, 2-pentyl-	138 C9H14O	003777-69-3	86
2	Furan, 2-pentyl-	138 C9H14O	003777-69-3	64
3	2,4-Nonadienal, (E,E)-	138 C9H14O	005910-87-2	59
4	2,3-Diazabicyclo[2.2.1]hept-2-en...	124 C7H12N2	071312-54-4	53
5	Ethanone, 1-(2-methyl-2-cyclopen...	124 C8H12O	001767-84-6	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

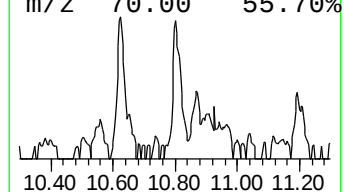
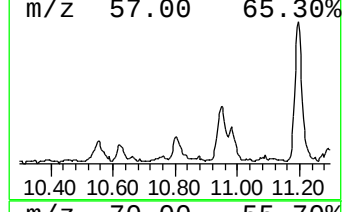
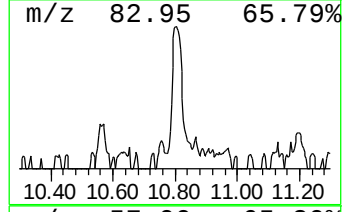
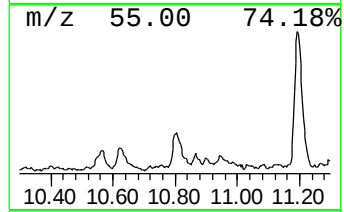
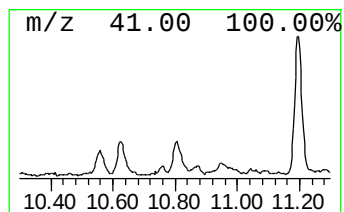
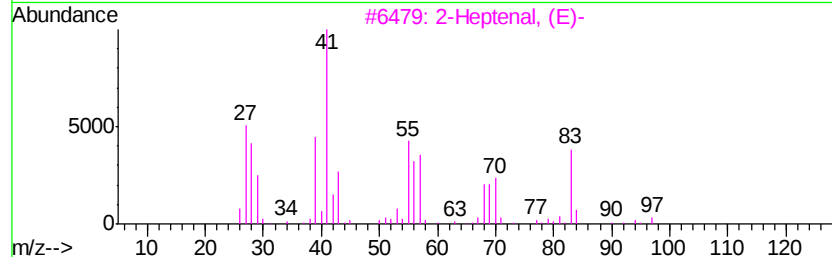
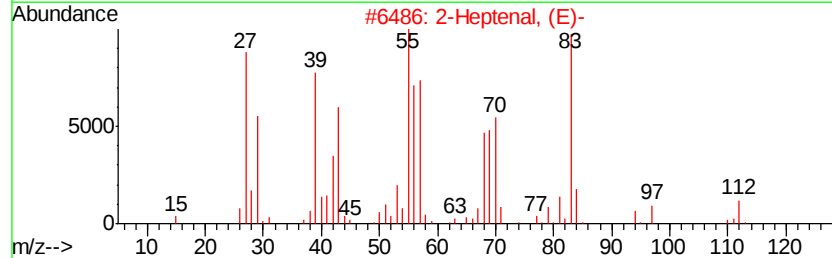
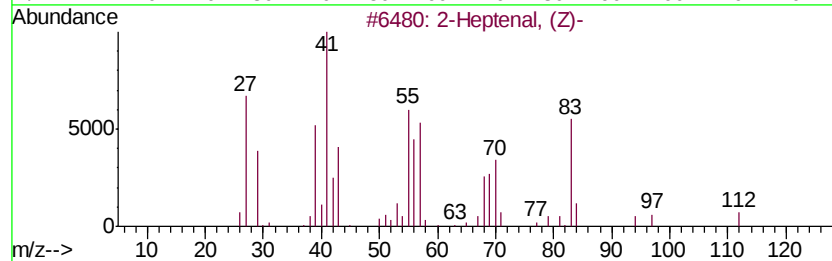
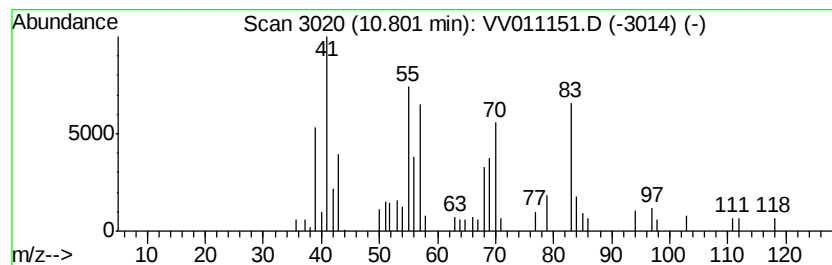
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 19 2-Heptenal, (Z)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.80	2.05 ug/L	28758	1,4-Dichlorobenzene-d4	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	53
2	2-Heptenal, (E)-	112	C7H12O	018829-55-5	53
3	2-Heptenal, (E)-	112	C7H12O	018829-55-5	53
4	1-Decanol	158	C10H22O	000112-30-1	43
5	1-Hexene, 3,5-dimethyl-	112	C8H16	007423-69-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
 Data File : VV011151.D
 Acq On : 30 May 2019 22:25
 Operator : SY/MD
 Sample : K3083-03
 Misc : 3.21G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
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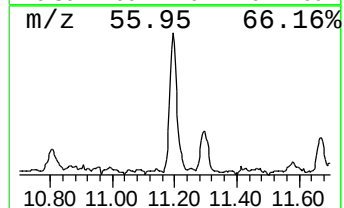
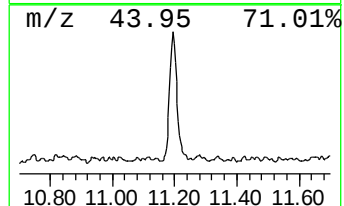
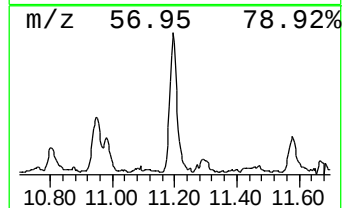
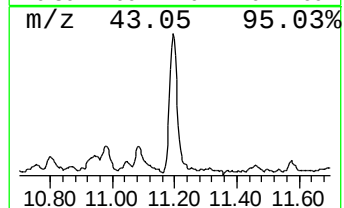
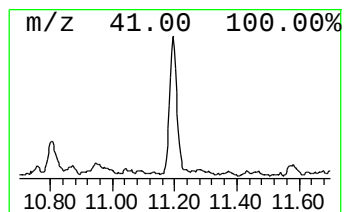
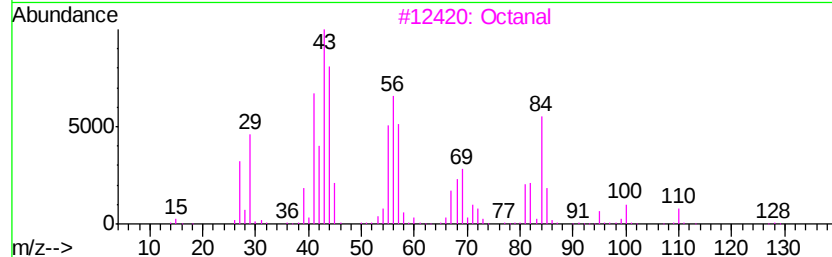
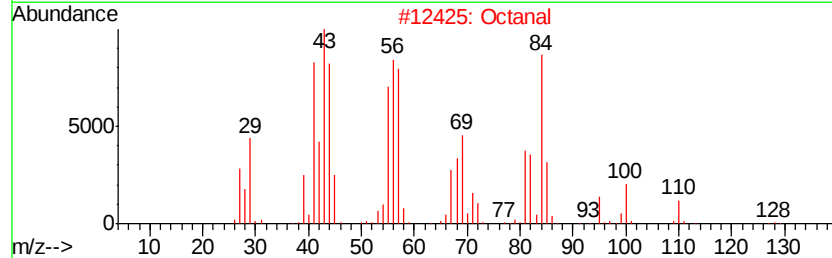
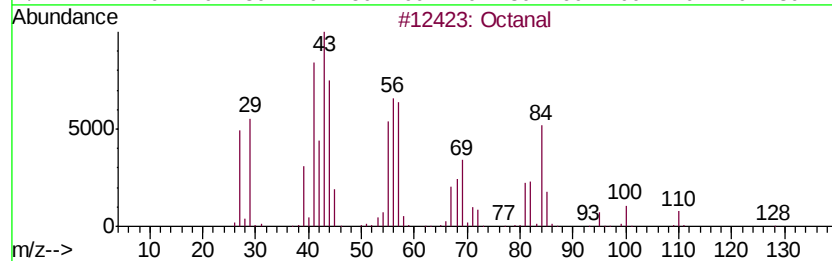
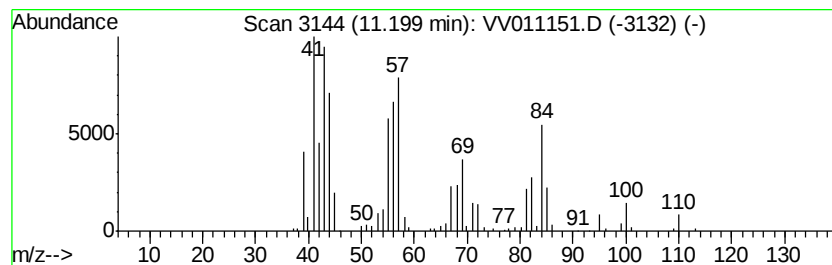
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 Quant Title : VOC Analysis

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

 Peak Number 21 Octanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	10.38 ug/L	145332	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octanal	128	C8H16O	000124-13-0	91
2		Octanal	128	C8H16O	000124-13-0	91
3		Octanal	128	C8H16O	000124-13-0	87
4		Octanal	128	C8H16O	000124-13-0	87
5		Octanal	128	C8H16O	000124-13-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F6

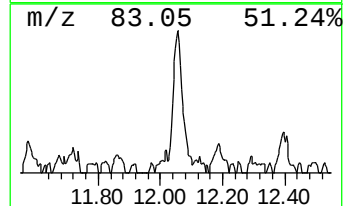
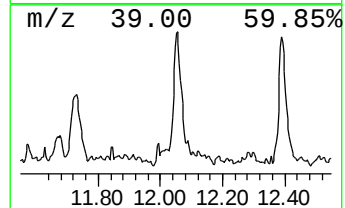
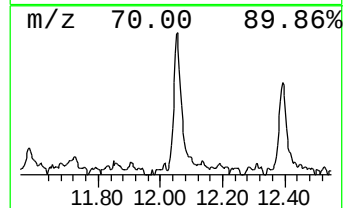
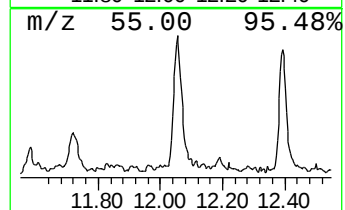
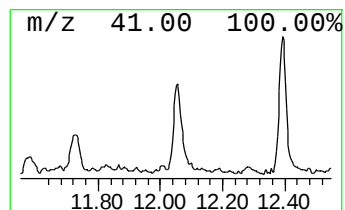
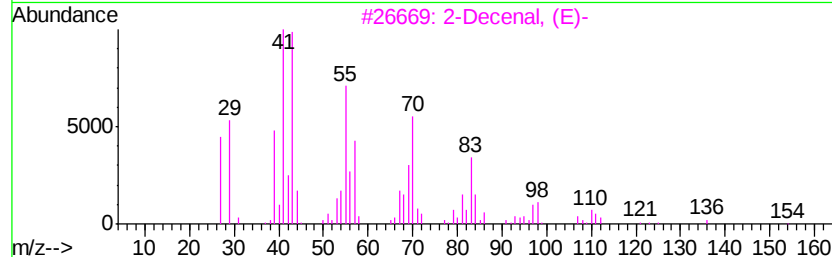
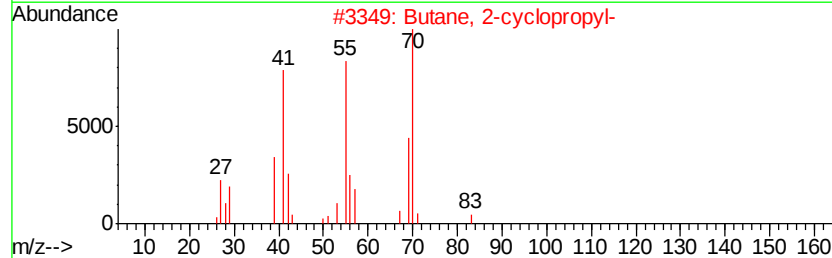
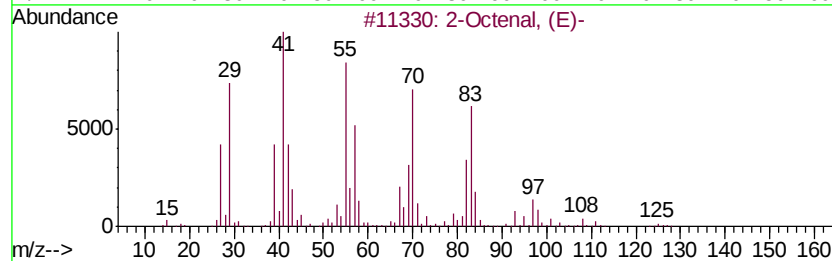
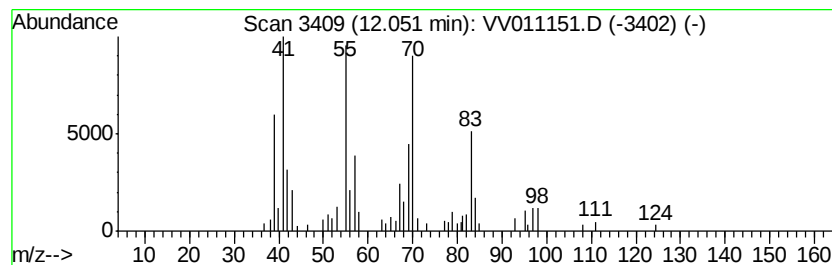
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Quant Title : VOC Analysis

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

Peak Number 22 2-Octenal, (E)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.33 ug/L	46685	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octenal, (E)-	126	C8H14O	002548-87-0	53
2			Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	47
3			2-Decenal, (E)-	154	C10H18O	003913-81-3	43
4			(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	41
5			2-Pentene, (E)-	70	C5H10	000646-04-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Data File : VV011151.D
Acq On : 30 May 2019 22:25
Operator : SY/MD
Sample : K3083-03
Misc : 3.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F6

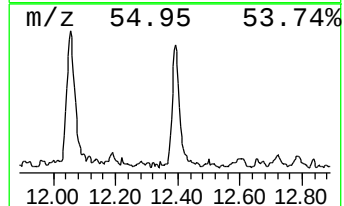
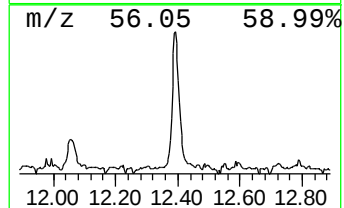
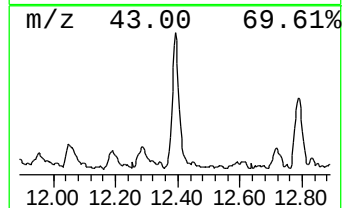
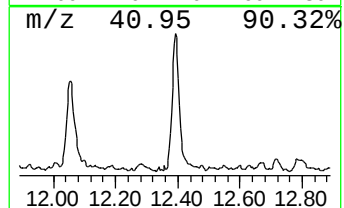
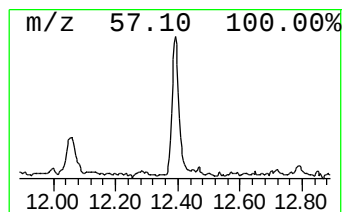
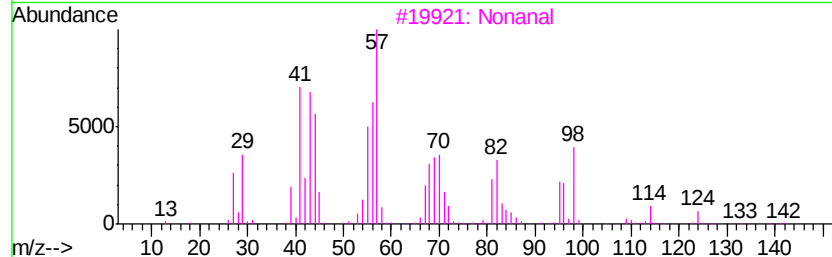
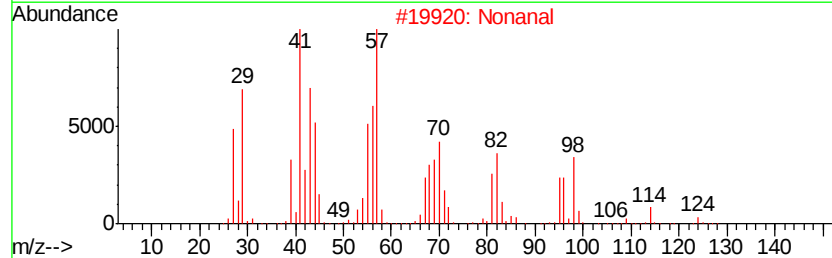
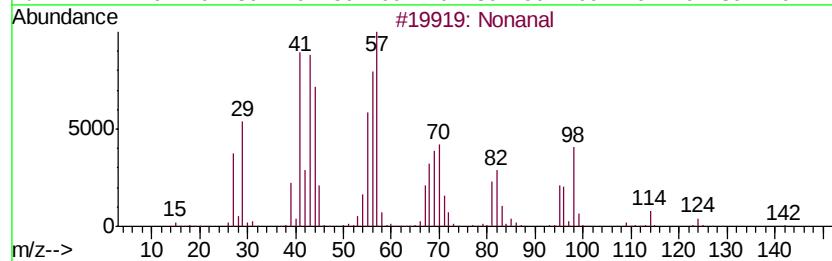
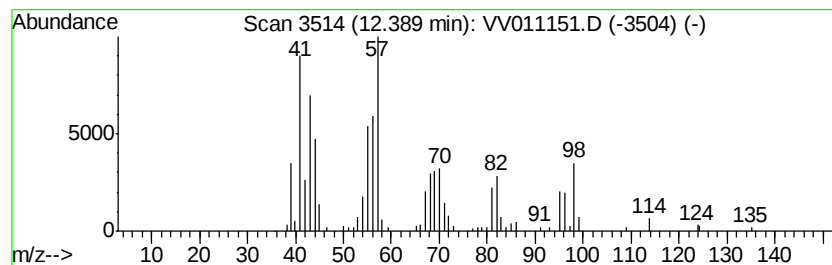
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Quant Title : VOC Analysis

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

Peak Number 24 Nonanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	6.25 ug/L	87577	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanal	142	C9H18O	000124-19-6	91
2		Nonanal	142	C9H18O	000124-19-6	91
3		Nonanal	142	C9H18O	000124-19-6	90
4		Nonanal	142	C9H18O	000124-19-6	80
5		2-Nonen-1-ol	142	C9H18O	022104-79-6	35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
 Data File : VV011151.D
 Acq On : 30 May 2019 22:25
 Operator : SY/MD
 Sample : K3083-03
 Misc : 3.21G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51F6

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
(DEL) Alkane: Str...	1.81	6.4	ug/L	169044	1	5.66	664478	25.0
Propanal, 2-methyl-	2.99	1.4	ug/L	36588	1	5.66	664478	25.0
Butanal	3.75	6.0	ug/L	160632	1	5.66	664478	25.0
Butanal, 3-methyl-	5.37	2.9	ug/L	76021	1	5.66	664478	25.0
2-Pentanone	5.58	2.9	ug/L	76795	1	5.66	664478	25.0
Hexanal	8.28	105.8	ug/L	2931990	2	8.89	693178	25.0
Furfural	9.24	7.8	ug/L	215825	2	8.89	693178	25.0
Oxirane, (1-methy...	9.53	1.7	ug/L	48020	2	8.89	693178	25.0
Heptanal	9.85	6.8	ug/L	188994	2	8.89	693178	25.0
unknown-01	10.56	2.2	ug/L	31390	3	11.29	350109	25.0
2-Heptanone, 6-me...	10.62	3.8	ug/L	52803	3	11.29	350109	25.0
Furan, 2-pentyl-	10.76	1.5	ug/L	20382	3	11.29	350109	25.0
2-Heptenal, (Z)-	10.80	2.0	ug/L	28758	3	11.29	350109	25.0
Octanal	11.20	10.4	ug/L	145332	3	11.29	350109	25.0
2-Octenal, (E)-	12.05	3.3	ug/L	46685	3	11.29	350109	25.0
Nonanal	12.39	6.3	ug/L	87577	3	11.29	350109	25.0