

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011076.D
 Acq On : 28 May 2019 21:16
 Operator : SY/MD
 Sample : K3016-04RE
 Misc : 4.46G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51C3RE

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.315	63	70	79	rVB	266531	241436	13.98%	1.611%
2	1.386	87	92	101	rBV	60932	60689	3.51%	0.405%
3	1.560	141	146	158	rVB	168489	195378	11.31%	1.303%
4	2.119	311	320	333	rVV2	394171	558512	32.34%	3.726%
5	2.190	336	342	353	rVB	92942	131246	7.60%	0.876%
6	2.457	416	425	442	rVB	275334	441379	25.56%	2.944%
7	2.991	584	591	600	rVB6	5747	11267	0.65%	0.075%
8	3.068	603	615	629	rVB7	8322	19142	1.11%	0.128%
9	3.749	815	827	847	rBV3	40559	97052	5.62%	0.647%
10	3.936	873	885	906	rBV	89206	222388	12.88%	1.484%
11	4.126	941	944	949	rVB6	1870	1800	0.10%	0.012%
12	4.396	1011	1028	1053	rBV	275972	673550	39.00%	4.493%
13	4.598	1088	1091	1097	rVB7	2216	2293	0.13%	0.015%
14	4.701	1116	1123	1124	rBV6	1950	1943	0.11%	0.013%
15	5.090	1224	1244	1293	rBV2	685265	1727151	100.00%	11.522%
16	5.370	1320	1331	1346	rBV4	14866	35377	2.05%	0.236%
17	5.524	1374	1379	1380	rBV6	3543	2939	0.17%	0.020%
18	5.663	1408	1422	1444	rBV	444499	907768	52.56%	6.056%
19	6.042	1535	1540	1542	rBV4	1442	1070	0.06%	0.007%
20	6.116	1548	1563	1596	rBV	387978	814326	47.15%	5.432%
21	6.328	1618	1629	1652	rBV	155312	304059	17.60%	2.028%
22	6.650	1726	1729	1734	rBV6	1939	2335	0.14%	0.016%
23	6.707	1739	1747	1756	rVB6	3344	7329	0.42%	0.049%
24	6.900	1803	1807	1809	rBV5	1347	1247	0.07%	0.008%
25	6.942	1817	1820	1825	rVB6	1576	1154	0.07%	0.008%
26	6.984	1829	1833	1834	rBV3	1876	1108	0.06%	0.007%
27	7.026	1834	1846	1870	rVV	241013	429113	24.85%	2.863%
28	7.183	1890	1895	1896	rBV4	3380	2644	0.15%	0.018%
29	7.270	1918	1922	1924	rBV5	1367	1077	0.06%	0.007%
30	7.357	1929	1949	1965	rBV	765099	1383867	80.12%	9.232%
31	7.572	2012	2016	2020	rVB7	1700	1610	0.09%	0.011%
32	7.608	2020	2027	2033	rBV10	3481	4828	0.28%	0.032%
33	7.662	2033	2044	2060	rVV	159257	266329	15.42%	1.777%
34	7.749	2062	2071	2083	rVB4	13847	24896	1.44%	0.166%

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35	7.920	2122	2124	2128	rVB5	1650	1056	0.06%	0.007%
36	7.981	2132	2143	2155	rBV2	11794	22062	1.28%	0.147%
37	8.132	2179	2190	2205	rBV	328000	571811	33.11%	3.815%
38	8.280	2224	2236	2260	rBV	1025420	1688731	97.78%	11.266%
39	8.492	2295	2302	2304	rBV6	2696	3402	0.20%	0.023%
40	8.720	2370	2373	2379	rVB8	1291	1186	0.07%	0.008%
41	8.836	2403	2409	2410	rBV6	1255	1164	0.07%	0.008%
42	8.894	2410	2427	2446	rBV	652847	1079586	62.51%	7.202%
43	9.109	2491	2494	2500	rVB7	1663	1392	0.08%	0.009%
44	9.180	2512	2516	2518	rBV5	2774	2390	0.14%	0.016%
45	9.354	2562	2570	2580	rVB2	28863	44300	2.56%	0.296%
46	9.537	2617	2627	2637	rBV8	8582	18772	1.09%	0.125%
47	9.585	2637	2642	2643	rBV5	2652	2155	0.12%	0.014%
48	9.640	2656	2659	2665	rBV8	1180	1158	0.07%	0.008%
49	9.752	2685	2694	2697	rBV6	4466	5706	0.33%	0.038%
50	9.804	2705	2710	2713	rBV6	2089	2140	0.12%	0.014%
51	9.852	2715	2725	2745	rVB	107867	179488	10.39%	1.197%
52	9.994	2757	2769	2779	rBV5	11629	23402	1.35%	0.156%
53	10.260	2835	2852	2868	rVV	353093	564318	32.67%	3.765%
54	10.331	2870	2874	2880	rVB9	2292	2498	0.14%	0.017%
55	10.392	2887	2893	2895	rBV7	2565	2608	0.15%	0.017%
56	10.421	2895	2902	2916	rVB4	14148	25106	1.45%	0.167%
57	10.563	2935	2946	2956	rBV8	10286	22608	1.31%	0.151%
58	10.624	2959	2965	2974	rVB2	14051	18178	1.05%	0.121%
59	10.752	2996	3005	3014	rVV5	16976	30349	1.76%	0.202%
60	10.804	3014	3021	3037	rVB4	18123	34654	2.01%	0.231%
61	11.084	3106	3108	3117	rVB9	2615	3065	0.18%	0.020%
62	11.135	3120	3124	3126	rBV5	2049	1327	0.08%	0.009%
63	11.196	3131	3143	3161	rBV	88060	153977	8.92%	1.027%
64	11.296	3162	3174	3191	rVB	452210	741652	42.94%	4.948%
65	11.463	3224	3226	3232	rVB7	2653	2227	0.13%	0.015%
66	11.498	3232	3237	3241	rBV7	1941	2002	0.12%	0.013%
67	11.575	3254	3261	3274	rBV2	17759	29740	1.72%	0.198%
68	11.672	3278	3291	3304	rBV	482384	774479	44.84%	5.167%
69	11.810	3331	3334	3336	rBV3	1933	1206	0.07%	0.008%
70	11.829	3336	3340	3342	rBV4	2074	1876	0.11%	0.013%
71	11.993	3385	3391	3396	rVV9	3179	4261	0.25%	0.028%

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 ClientSampleId :
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Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
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72	12.051	3400	3409	3422	rBV3	34828	61466	3.56%	0.410%
73	12.292	3475	3484	3494	rVV	8842	16833	0.97%	0.112%
74	12.392	3504	3515	3531	rBV2	59878	97530	5.65%	0.651%
75	12.601	3573	3580	3584	rVV10	2253	3297	0.19%	0.022%
76	12.620	3584	3586	3592	rVV7	2028	2017	0.12%	0.013%
77	12.659	3595	3598	3601	rVB3	1774	1285	0.07%	0.009%
78	12.688	3601	3607	3609	rBV6	1457	1824	0.11%	0.012%
79	12.717	3609	3616	3624	rVB4	6906	10301	0.60%	0.069%
80	12.784	3630	3637	3640	rBV7	6758	8702	0.50%	0.058%
81	13.109	3735	3738	3739	rBV3	3015	1611	0.09%	0.011%
82	13.183	3751	3761	3774	rBV4	20927	38716	2.24%	0.258%
83	13.309	3796	3800	3807	rBV8	1692	2010	0.12%	0.013%
84	13.376	3817	3821	3824	rVV6	1679	1362	0.08%	0.009%
85	13.485	3846	3855	3862	rBV8	9547	15656	0.91%	0.104%
86	13.633	3893	3901	3906	rBV8	2813	4906	0.28%	0.033%
87	13.868	3970	3974	3983	rVB10	4341	5564	0.32%	0.037%
88	14.009	4015	4018	4019	rBV3	2088	1281	0.07%	0.009%
89	14.087	4032	4042	4049	rBV	6503	12538	0.73%	0.084%
90	14.135	4054	4057	4059	rBV4	1608	1056	0.06%	0.007%
91	14.228	4078	4086	4099	rBV10	13311	22580	1.31%	0.151%
92	14.379	4125	4133	4142	rBV3	9019	14839	0.86%	0.099%
93	14.675	4221	4225	4226	rBV3	1913	1363	0.08%	0.009%
94	14.878	4285	4288	4290	rVV4	1684	1031	0.06%	0.007%
95	14.935	4301	4306	4311	rBV9	2652	3112	0.18%	0.021%
96	15.080	4348	4351	4354	rBV4	1353	1175	0.07%	0.008%
97	15.161	4374	4376	4379	rVB3	1795	1102	0.06%	0.007%
98	15.196	4379	4387	4394	rBV3	5357	9014	0.52%	0.060%
99	15.398	4448	4450	4452	rBV3	1974	1310	0.08%	0.009%
100	15.665	4528	4533	4534	rBV5	2713	2193	0.13%	0.015%

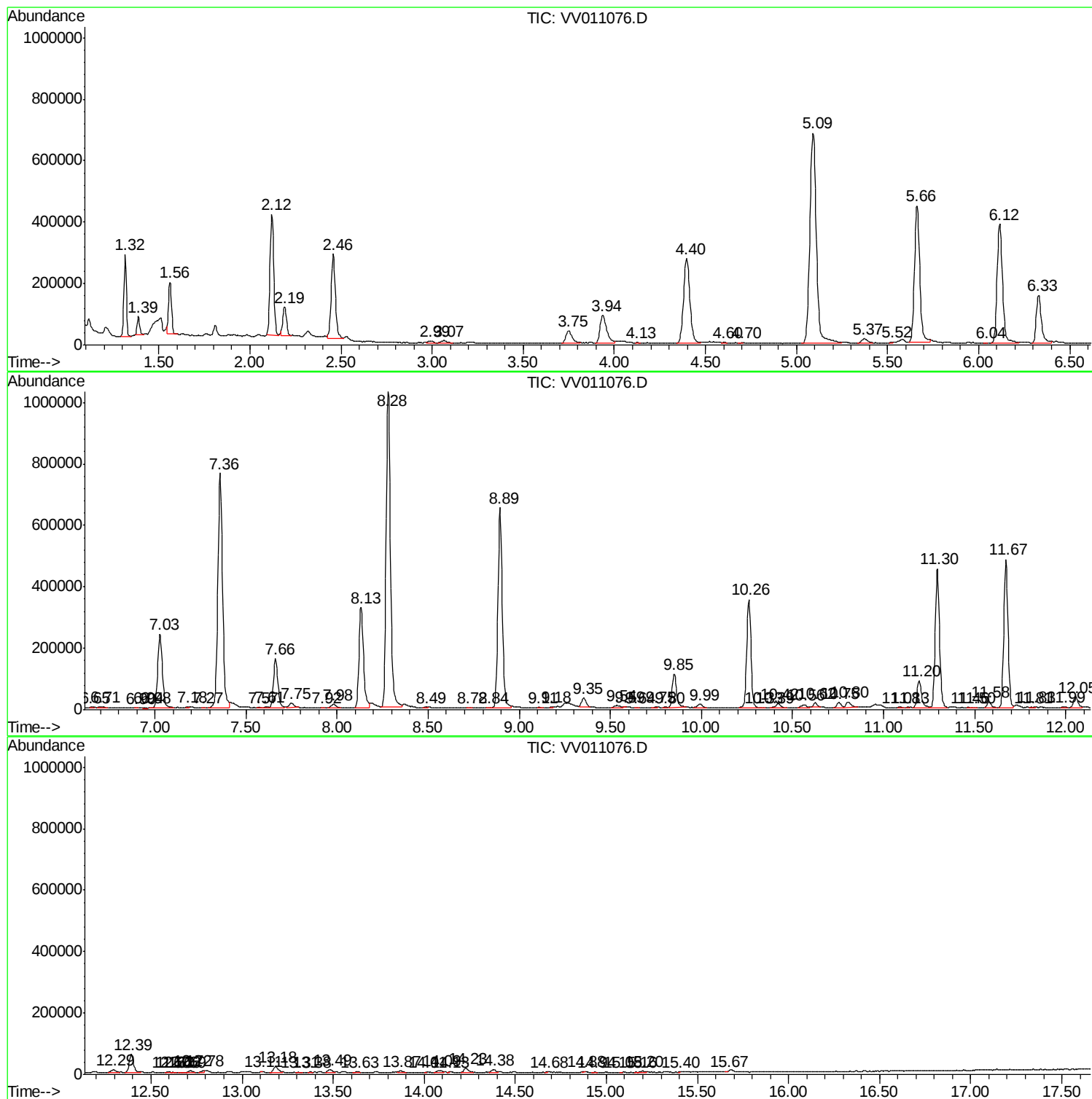
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Instrument :
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ClientSampled :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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



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Instrument :
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ClientSampleId :
A51C3RE

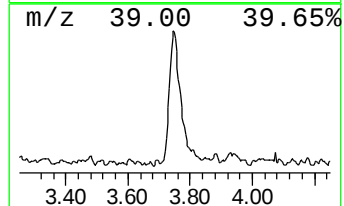
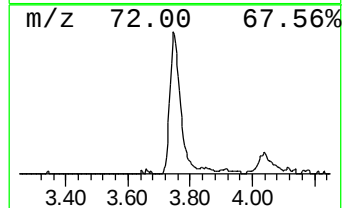
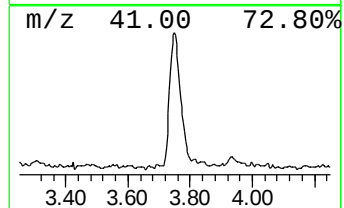
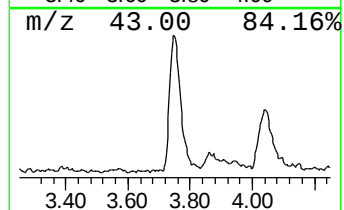
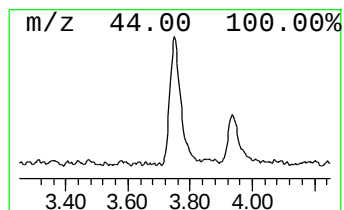
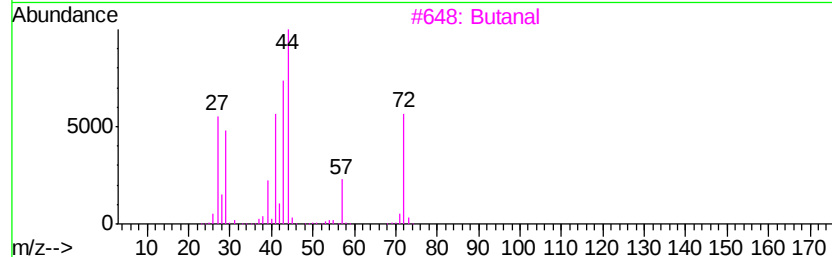
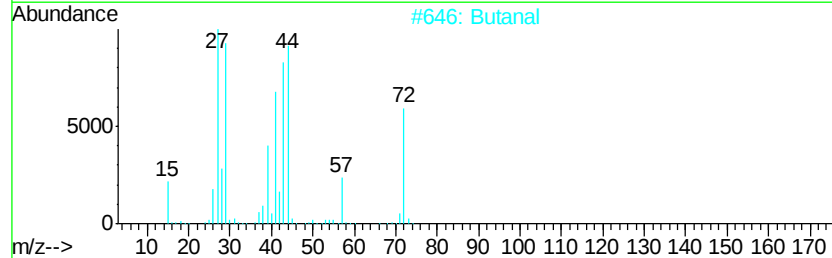
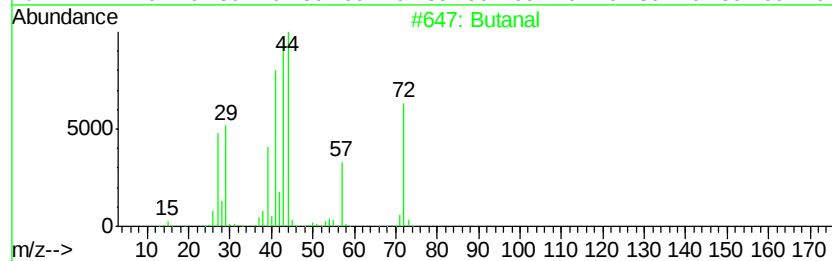
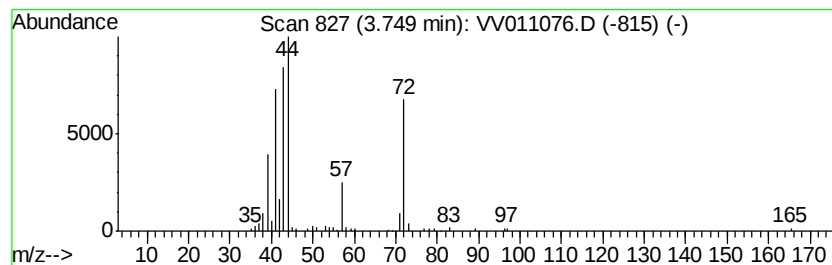
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 2 Butanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	2.67 ug/L	97052	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	68
4		Butanal	72	C4H8O	000123-72-8	64
5		Ethene, ethoxy-	72	C4H8O	000109-92-2	53



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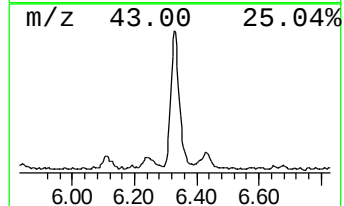
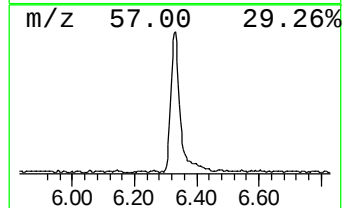
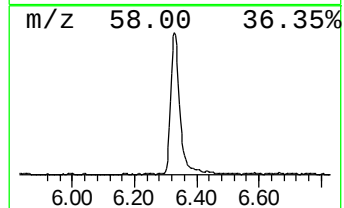
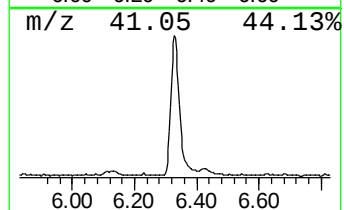
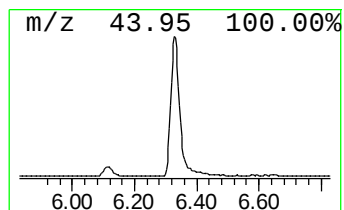
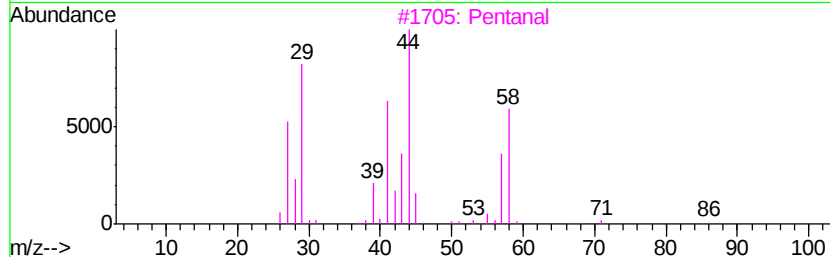
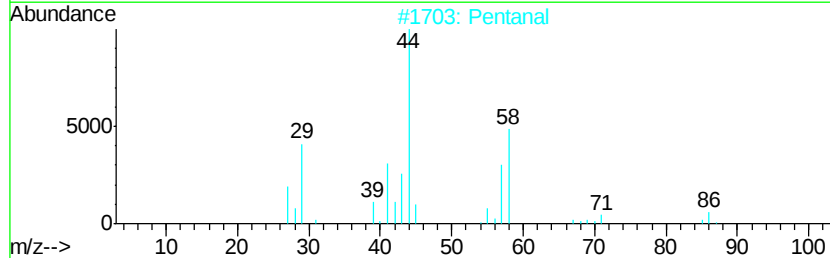
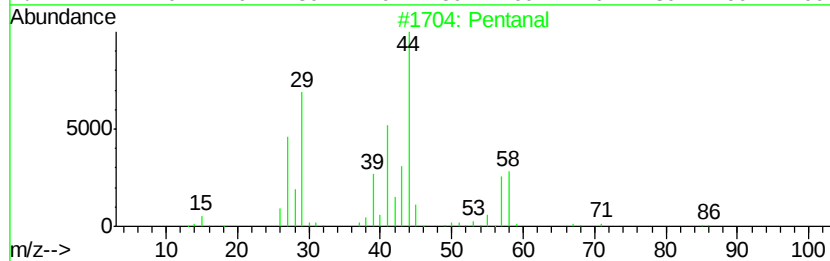
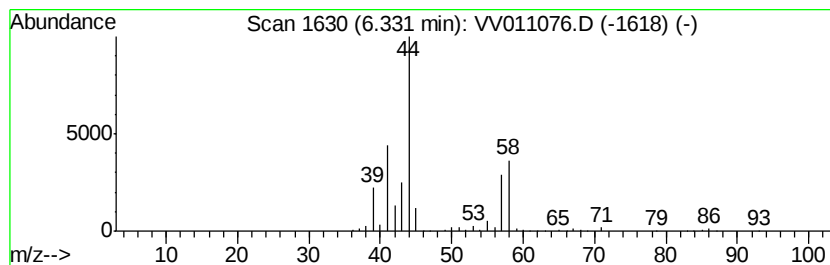
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	8.37 ug/L	304059	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	83
2		Pentanal	86	C5H10O	000110-62-3	64
3		Pentanal	86	C5H10O	000110-62-3	52
4		Cyclopropyl carbinol	72	C4H8O	002516-33-8	36
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	25



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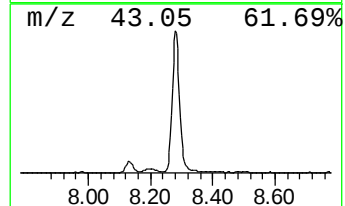
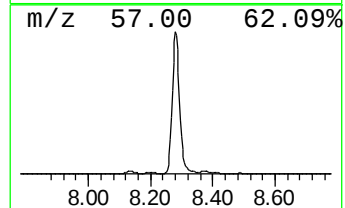
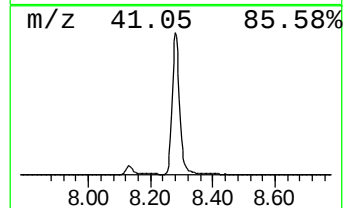
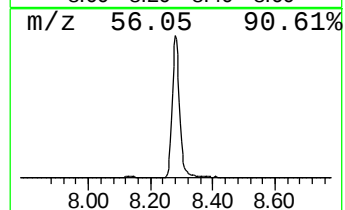
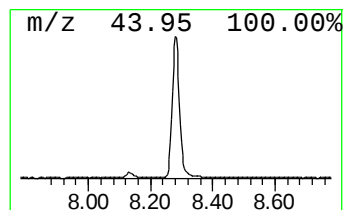
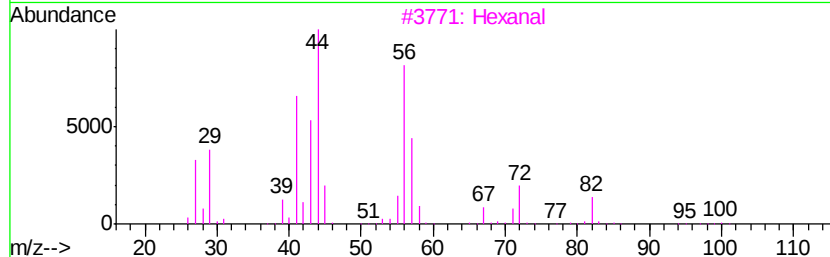
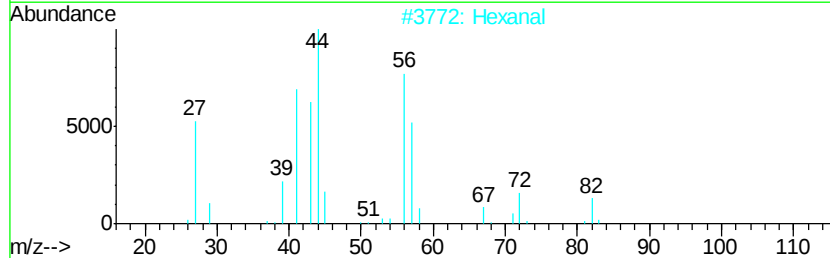
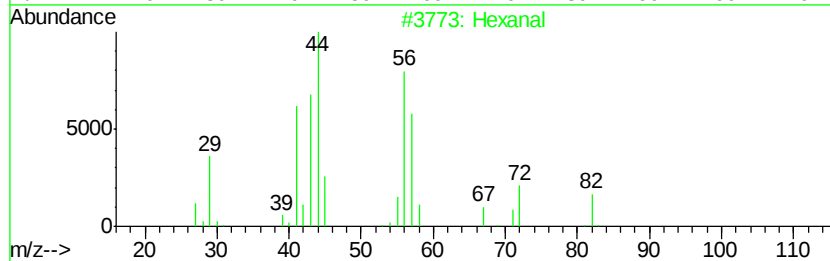
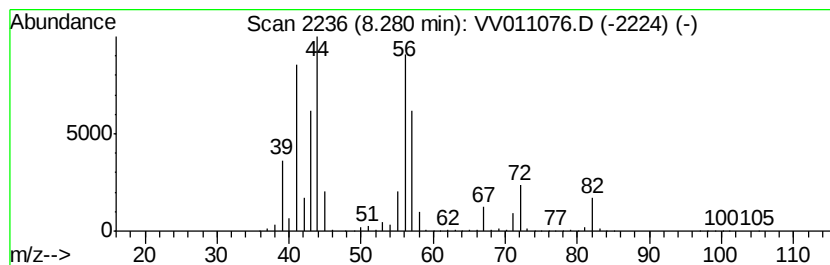
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Quant Title : VOC Analysis

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

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	39.11 ug/L	1688730	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	90
2	Hexanal		100	C6H12O	000066-25-1	90
3	Hexanal		100	C6H12O	000066-25-1	90
4	Hexanal		100	C6H12O	000066-25-1	83
5	Glutaraldehyde		100	C5H8O2	000111-30-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011076.D
Acq On : 28 May 2019 21:16
Operator : SY/MD
Sample : K3016-04RE
Misc : 4.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C3RE

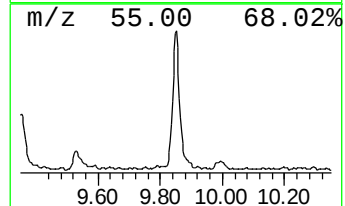
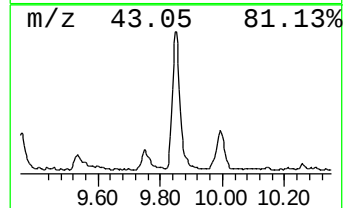
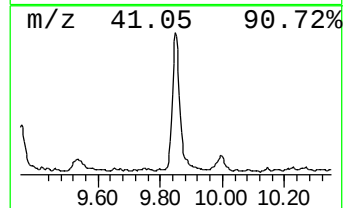
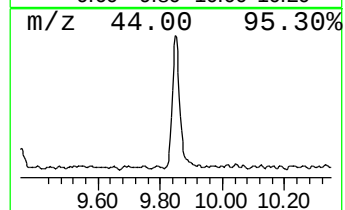
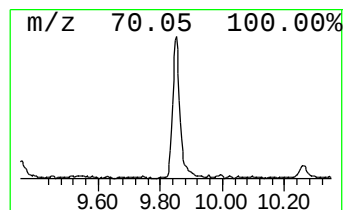
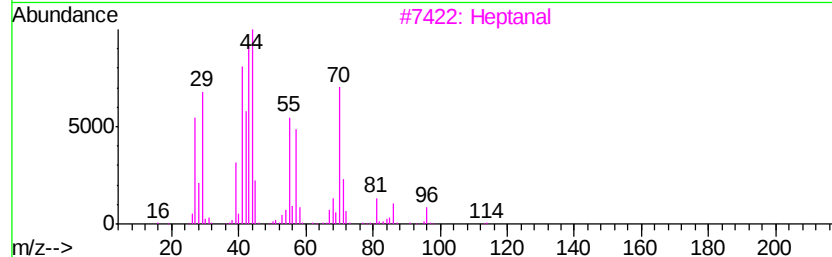
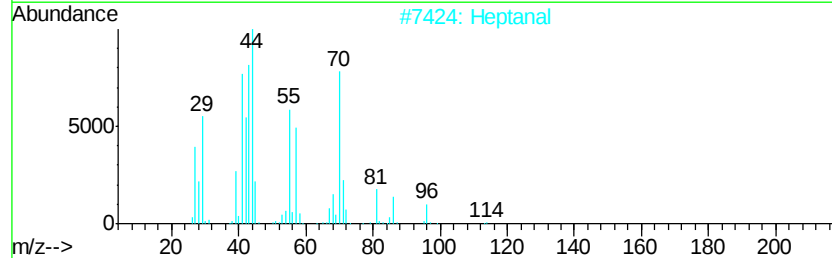
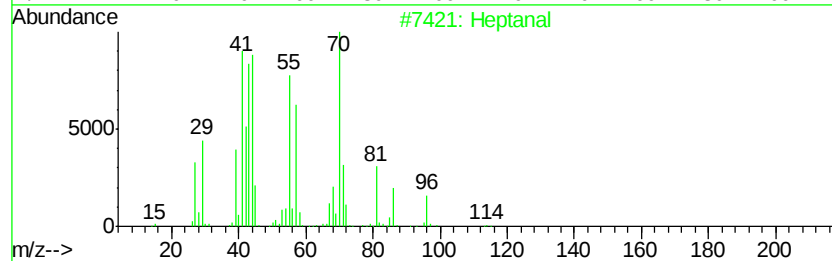
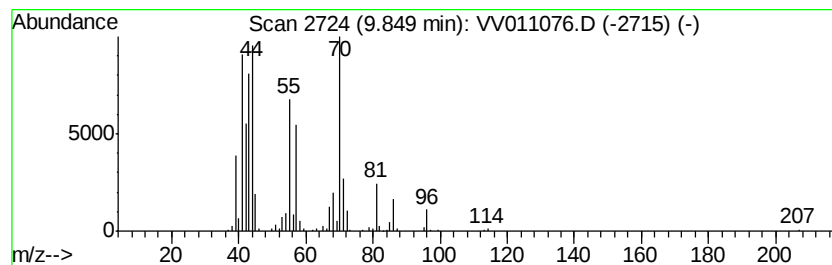
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Quant Title : VOC Analysis

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

Peak Number 6 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	4.16 ug/L	179488	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal		114	C7H14O	000111-71-7	97
2	Heptanal		114	C7H14O	000111-71-7	96
3	Heptanal		114	C7H14O	000111-71-7	87
4	Heptanal		114	C7H14O	000111-71-7	81
5	Heptanal		114	C7H14O	000111-71-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011076.D
Acq On : 28 May 2019 21:16
Operator : SY/MD
Sample : K3016-04RE
Misc : 4.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C3RE

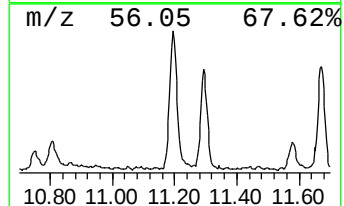
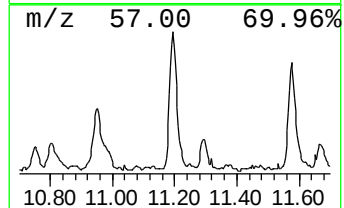
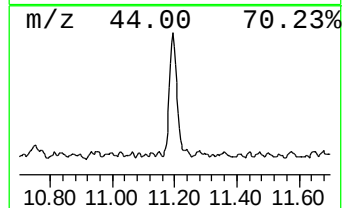
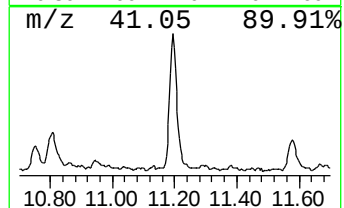
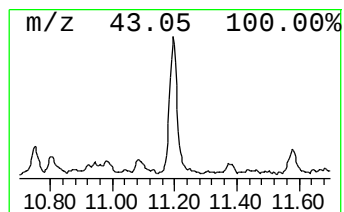
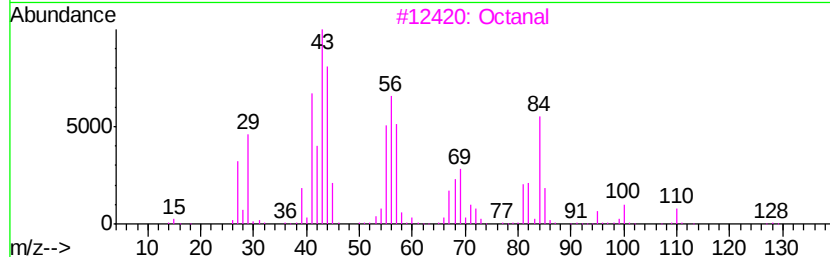
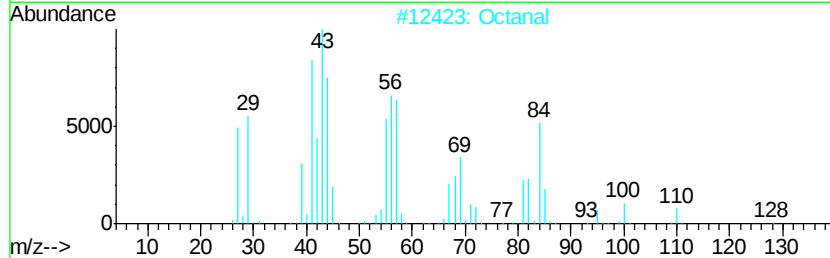
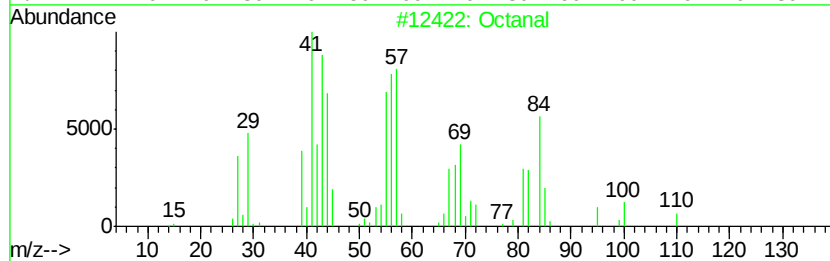
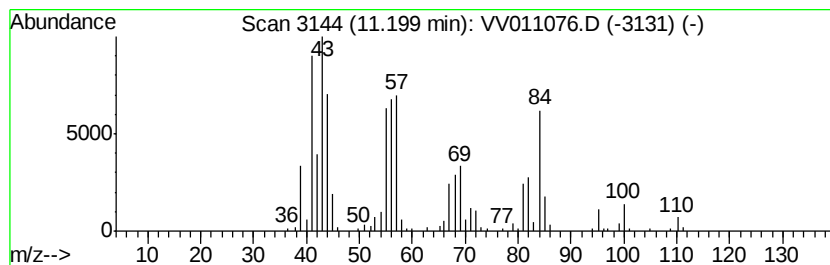
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Quant Title : VOC Analysis

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

Peak Number 7 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	5.19 ug/L	153977	1,4-Dichlorobenzene-d4	11.30

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	90
4		Octanal	128	C8H16O	000124-13-0	83
5		Octanal	128	C8H16O	000124-13-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011076.D
Acq On : 28 May 2019 21:16
Operator : SY/MD
Sample : K3016-04RE
Misc : 4.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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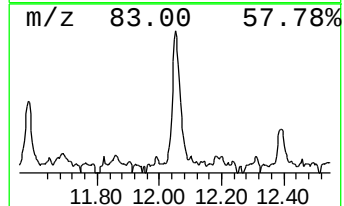
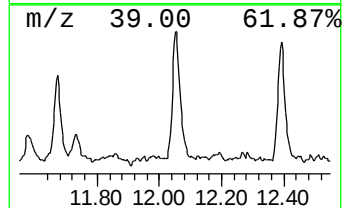
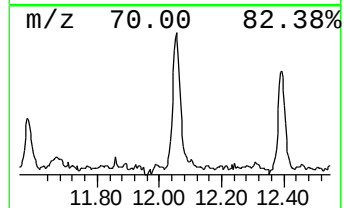
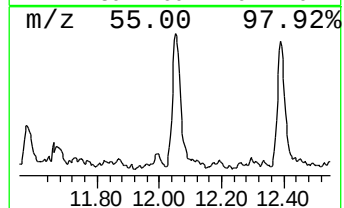
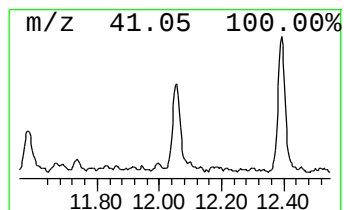
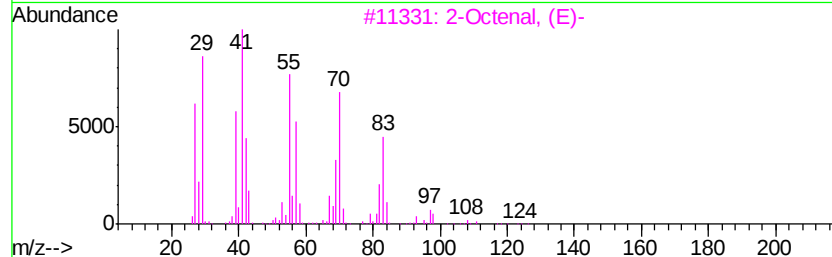
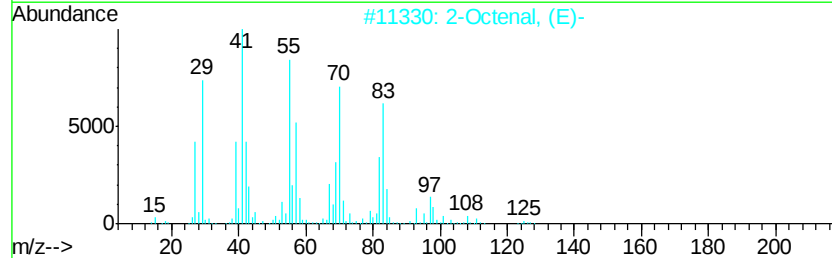
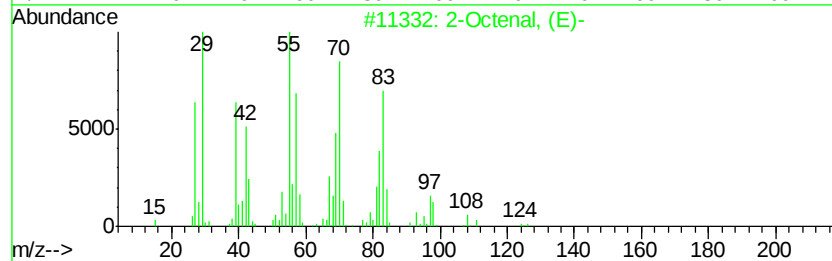
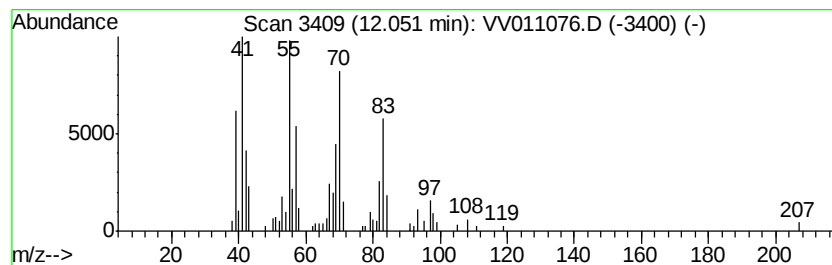
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Quant Title : VOC Analysis

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

Peak Number 8 2-Octenal, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.07 ug/L	61466	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octenal, (E)-	126	C8H14O	002548-87-0	80
2		2-Octenal, (E)-	126	C8H14O	002548-87-0	64
3		2-Octenal, (E)-	126	C8H14O	002548-87-0	64
4		2-Tridecenal, (E)-	196	C13H24O	007069-41-2	59
5		2-Methylene cyclopentanol	98	C6H10O	020461-31-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011076.D
Acq On : 28 May 2019 21:16
Operator : SY/MD
Sample : K3016-04RE
Misc : 4.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C3RE

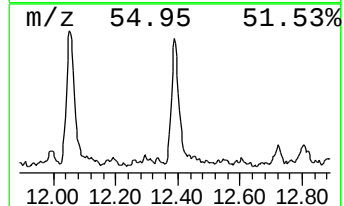
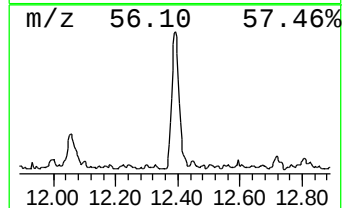
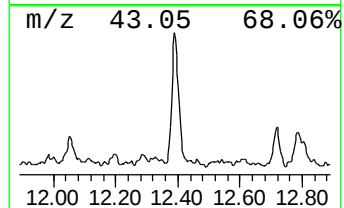
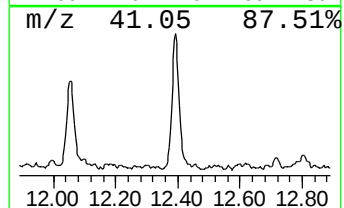
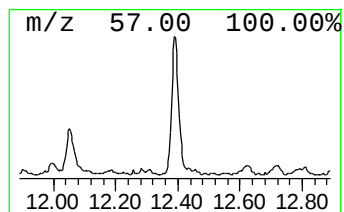
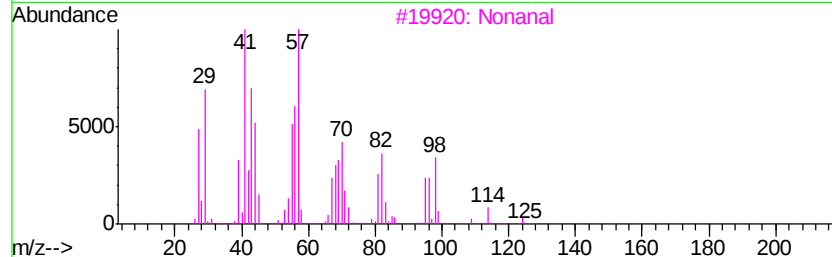
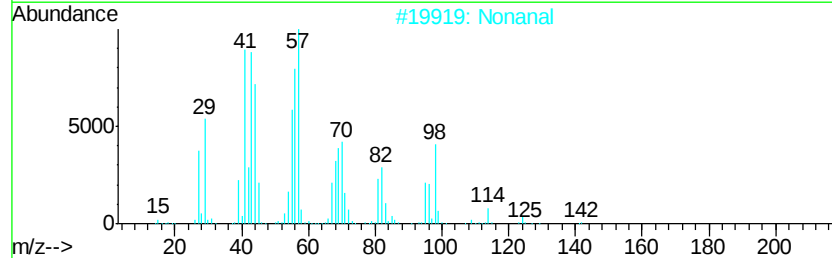
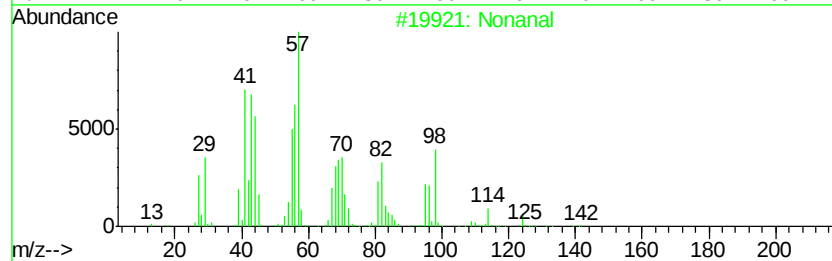
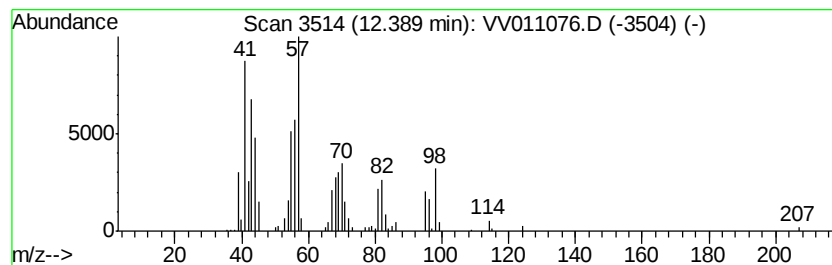
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Quant Title : VOC Analysis

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

Peak Number 9 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.29 ug/L	97530	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanal	142	C9H18O	000124-19-6	90
2		Nonanal	142	C9H18O	000124-19-6	90
3		Nonanal	142	C9H18O	000124-19-6	72
4		Cycloheptane	98	C7H14	000291-64-5	38
5		2-Nonen-1-ol	142	C9H18O	022104-79-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011076.D
Acq On : 28 May 2019 21:16
Operator : SY/MD
Sample : K3016-04RE
Misc : 4.46G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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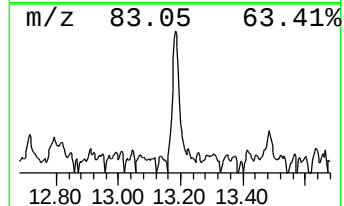
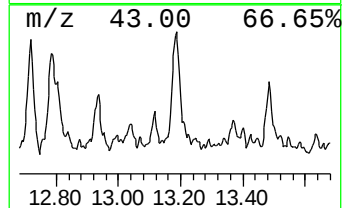
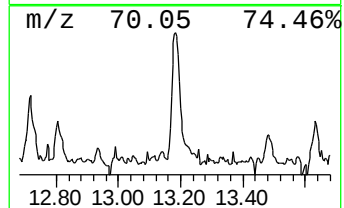
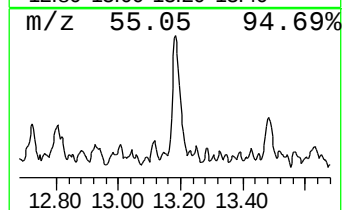
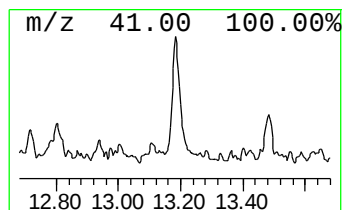
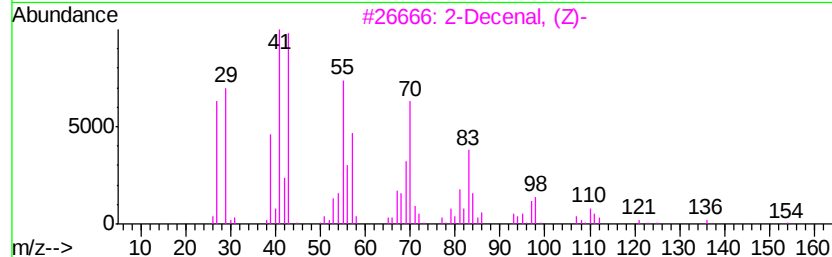
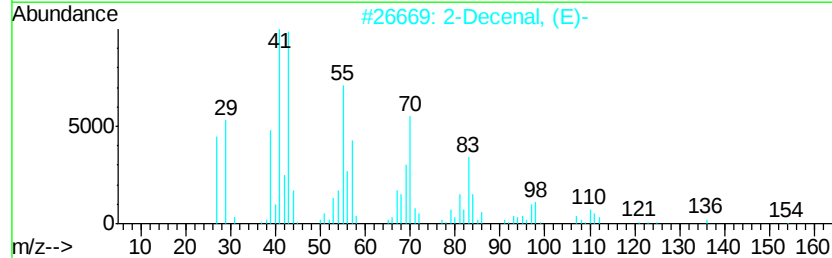
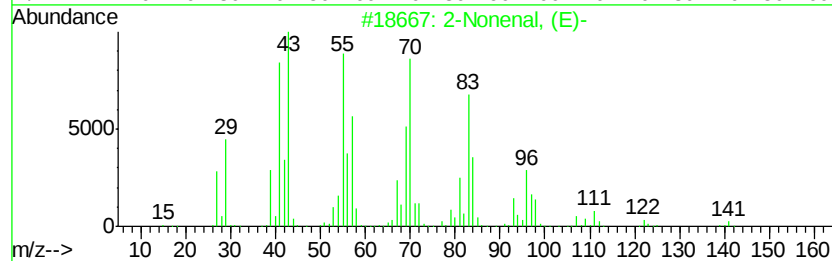
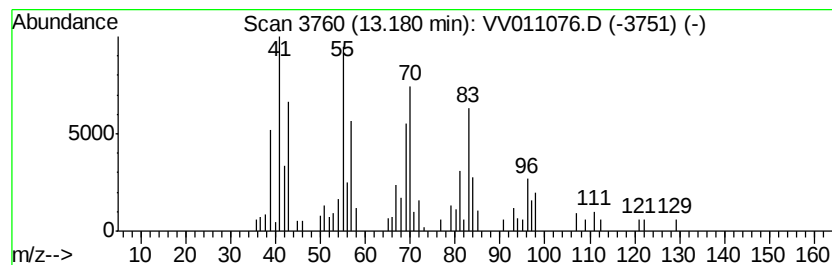
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Quant Title : VOC Analysis

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

Peak Number 10 2-Nonenal, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	1.31 ug/L	38716	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Nonenal, (E)-	140	C9H16O	018829-56-6	86
2			2-Decenal, (E)-	154	C10H18O	003913-81-3	47
3			2-Decenal, (Z)-	154	C10H18O	002497-25-8	43
4			2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	41
5			2-Hexenal	98	C6H10O	000505-57-7	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011076.D
Acq On : 28 May 2019 21:16
Operator : SY/MD
Sample : K3016-04RE
Misc : 4.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C3RE

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butanal	3.75	2.7	ug/L	97052	1	5.66	907768	25.0
Pentanal	6.33	8.4	ug/L	304059	1	5.66	907768	25.0
Hexanal	8.28	39.1	ug/L	1688730	2	8.89	1079590	25.0
Heptanal	9.85	4.2	ug/L	179488	2	8.89	1079590	25.0
Octanal	11.20	5.2	ug/L	153977	3	11.30	741652	25.0
2-Octenal, (E)-	12.05	2.1	ug/L	61466	3	11.30	741652	25.0
Nonanal	12.39	3.3	ug/L	97530	3	11.30	741652	25.0
2-Nonenal, (E)-	13.18	1.3	ug/L	38716	3	11.30	741652	25.0