

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011090.D
 Acq On : 29 May 2019 05:27
 Operator : SY/MD
 Sample : K3016-19
 Misc : 5.36G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51D6

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	1.309	63	68	77	rVB	229163	210064	12.63%	1.728%
2	1.560	141	146	160	rVB	172256	192363	11.57%	1.583%
3	2.116	311	319	331	rVB	370086	526382	31.65%	4.331%
4	3.280	678	681	682	rBV3	1434	923	0.06%	0.008%
5	3.364	704	707	708	rBV3	919	336	0.02%	0.003%
6	3.563	766	769	773	rBV5	1338	1057	0.06%	0.009%
7	3.637	789	792	795	rVB5	746	437	0.03%	0.004%
8	3.656	795	798	803	rBV6	1450	1460	0.09%	0.012%
9	3.692	806	809	812	rBV4	1043	696	0.04%	0.006%
10	3.746	812	826	846	rBV3	23921	60914	3.66%	0.501%
11	3.933	873	884	904	rBV	73249	185126	11.13%	1.523%
12	4.203	966	968	969	rBV2	1192	529	0.03%	0.004%
13	4.238	975	979	980	rBV4	1225	734	0.04%	0.006%
14	4.267	986	988	990	rBV3	1039	549	0.03%	0.005%
15	4.306	998	1000	1002	rBV3	1340	687	0.04%	0.006%
16	4.392	1011	1027	1054	rBV	258515	646172	38.85%	5.317%
17	4.743	1133	1136	1137	rBV3	800	350	0.02%	0.003%
18	4.801	1152	1154	1156	rBV3	1303	646	0.04%	0.005%
19	4.891	1179	1182	1184	rBV3	672	464	0.03%	0.004%
20	4.923	1189	1192	1193	rBV2	834	334	0.02%	0.003%
21	4.965	1201	1205	1207	rBV3	1183	719	0.04%	0.006%
22	4.984	1207	1211	1213	rBV5	555	436	0.03%	0.004%
23	5.010	1217	1219	1221	rBV3	688	317	0.02%	0.003%
24	5.087	1221	1243	1275	rBV2	675492	1663078	100.00%	13.684%
25	5.325	1315	1317	1320	rBV3	1194	923	0.06%	0.008%
26	5.659	1407	1421	1446	rBV	449357	899363	54.08%	7.400%
27	5.923	1500	1503	1505	rBV4	1489	869	0.05%	0.007%
28	5.942	1505	1509	1511	rBV4	2177	1942	0.12%	0.016%
29	6.039	1537	1539	1541	rBV3	826	357	0.02%	0.003%
30	6.113	1549	1562	1588	rBV	385271	774256	46.56%	6.371%
31	6.328	1619	1629	1654	rBV	101952	194655	11.70%	1.602%
32	6.486	1676	1678	1681	rBV4	958	622	0.04%	0.005%
33	6.547	1695	1697	1700	rBV3	784	500	0.03%	0.004%
34	6.563	1700	1702	1705	rVB4	875	392	0.02%	0.003%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011090.D
 Acq On : 29 May 2019 05:27
 Operator : SY/MD
 Sample : K3016-19
 Misc : 5.36G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51D6

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

35	6.579	1705	1707	1710	rBV3	1120	551	0.03%	0.005%
36	6.611	1715	1717	1720	rBV3	1045	624	0.04%	0.005%
37	6.630	1720	1723	1727	rBV5	1978	1567	0.09%	0.013%
38	6.753	1758	1761	1765	rBV5	1502	995	0.06%	0.008%
39	6.804	1775	1777	1780	rBV3	736	402	0.02%	0.003%
40	6.881	1799	1801	1802	rBV2	800	299	0.02%	0.002%
41	6.897	1805	1806	1807	rBV	654	228	0.01%	0.002%
42	6.917	1810	1812	1814	rVV3	766	279	0.02%	0.002%
43	6.942	1819	1820	1822	rBV	659	338	0.02%	0.003%
44	7.026	1831	1846	1861	rBV	215205	382717	23.01%	3.149%
45	7.280	1918	1925	1927	rBV7	1477	1530	0.09%	0.013%
46	7.357	1937	1949	1969	rBV	719971	1258407	75.67%	10.355%
47	7.659	2033	2043	2058	rBV	139907	235093	14.14%	1.934%
48	8.055	2162	2166	2167	rBV3	1287	939	0.06%	0.008%
49	8.132	2176	2190	2206	rBV	278495	489453	29.43%	4.027%
50	8.280	2225	2236	2260	rBV	764413	1238175	74.45%	10.188%
51	8.650	2349	2351	2355	rVB5	1271	828	0.05%	0.007%
52	8.701	2365	2367	2369	rBV3	1038	494	0.03%	0.004%
53	8.717	2369	2372	2374	rBV3	430	312	0.02%	0.003%
54	8.839	2405	2410	2411	rBV5	1198	965	0.06%	0.008%
55	8.894	2415	2427	2446	rVV	619279	1012758	60.90%	8.333%
56	9.080	2483	2485	2486	rBV2	1042	367	0.02%	0.003%
57	9.849	2708	2724	2737	rBV2	75314	127388	7.66%	1.048%
58	9.997	2764	2770	2777	rVB2	10030	14483	0.87%	0.119%
59	10.103	2800	2803	2809	rBV8	1283	1541	0.09%	0.013%
60	10.177	2823	2826	2827	rBV3	1395	703	0.04%	0.006%
61	10.209	2834	2836	2839	rBV4	963	618	0.04%	0.005%
62	10.260	2841	2852	2868	rVV	304581	478975	28.80%	3.941%
63	10.514	2928	2931	2936	rBV6	1569	1911	0.11%	0.016%
64	10.559	2936	2945	2955	rVV7	7869	16279	0.98%	0.134%
65	10.711	2989	2992	2993	rBV3	867	475	0.03%	0.004%
66	11.067	3099	3103	3105	rBV4	1881	1723	0.10%	0.014%
67	11.196	3135	3143	3157	rVB	44863	74916	4.50%	0.616%
68	11.293	3162	3173	3193	rBV	409062	655836	39.44%	5.396%
69	11.547	3249	3252	3253	rBV3	999	668	0.04%	0.005%
70	11.579	3255	3262	3271	rVV4	9183	15617	0.94%	0.129%
71	11.672	3279	3291	3305	rBV	410553	658794	39.61%	5.421%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011090.D
 Acq On : 29 May 2019 05:27
 Operator : SY/MD
 Sample : K3016-19
 Misc : 5.36G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51D6

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

72	11.993	3383	3391	3392	rBV6	2438	3044	0.18%	0.025%
73	12.055	3401	3410	3425	rBV4	21794	40577	2.44%	0.334%
74	12.392	3507	3515	3526	rBV4	31681	50617	3.04%	0.416%
75	12.550	3562	3564	3569	rBV6	1023	794	0.05%	0.007%
76	12.585	3573	3575	3576	rBV2	970	341	0.02%	0.003%
77	12.662	3597	3599	3602	rBV4	1125	594	0.04%	0.005%
78	12.678	3602	3604	3606	rVV2	716	231	0.01%	0.002%
79	13.077	3724	3728	3732	rBV6	974	890	0.05%	0.007%
80	13.106	3732	3737	3738	rBV3	2009	1540	0.09%	0.013%
81	13.553	3874	3876	3879	rBV4	1963	1337	0.08%	0.011%
82	13.704	3920	3923	3926	rBV4	1602	1024	0.06%	0.008%
83	13.871	3970	3975	3977	rBV5	1562	1445	0.09%	0.012%
84	13.923	3989	3991	3992	rBV	1302	544	0.03%	0.004%
85	14.681	4220	4227	4231	rBV10	2563	3251	0.20%	0.027%
86	14.746	4243	4247	4248	rBV2	1451	1067	0.06%	0.009%

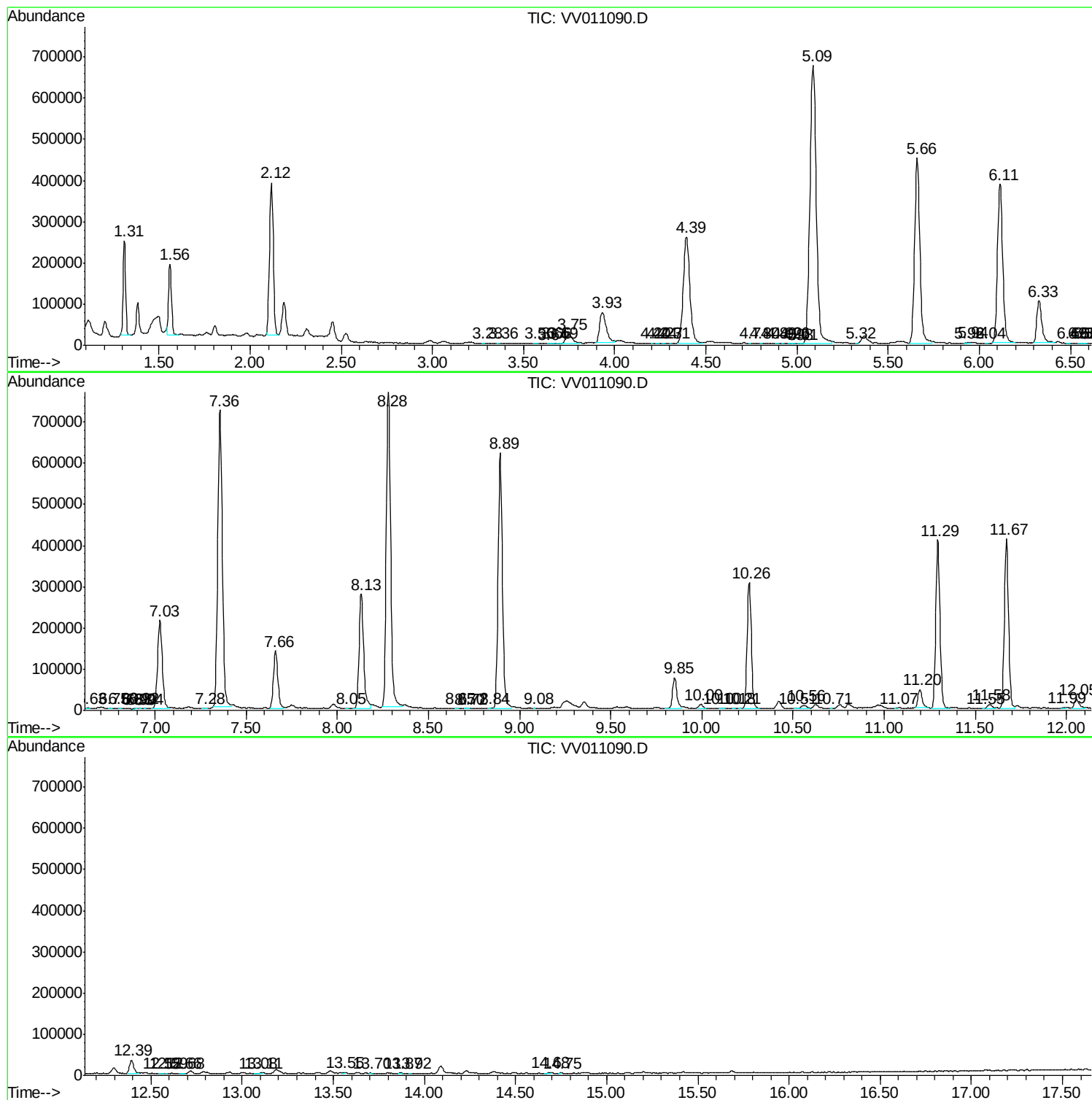
Sum of corrected areas: 12153196

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A51D6

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D6

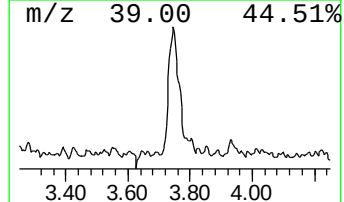
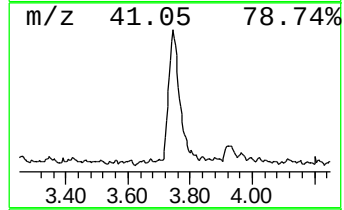
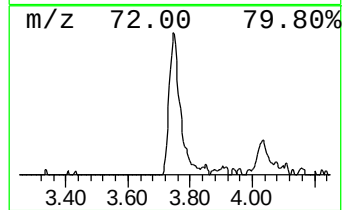
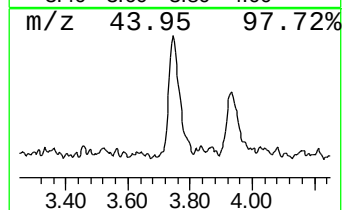
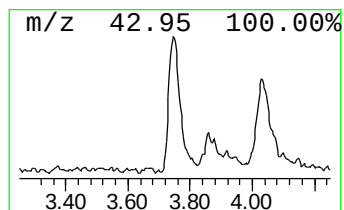
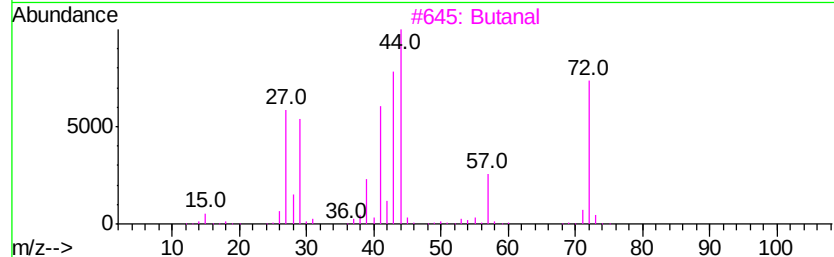
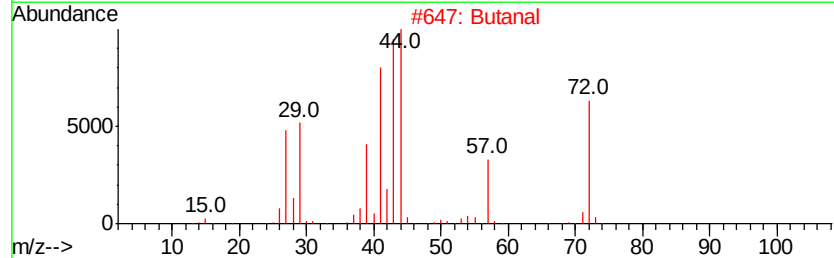
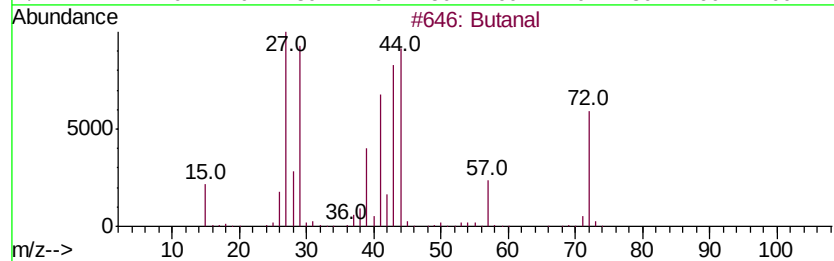
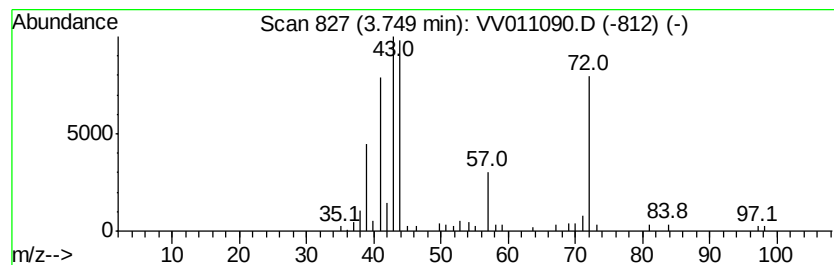
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 1 Butanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	1.69 ug/L	60914	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal			72	C4H8O	000123-72-8	91
2	Butanal			72	C4H8O	000123-72-8	91
3	Butanal			72	C4H8O	000123-72-8	72
4	Butanal			72	C4H8O	000123-72-8	59
5	Ethene, ethoxy-			72	C4H8O	000109-92-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D6

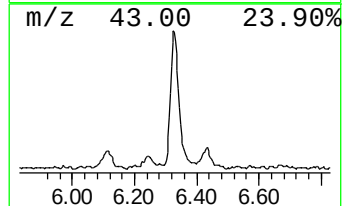
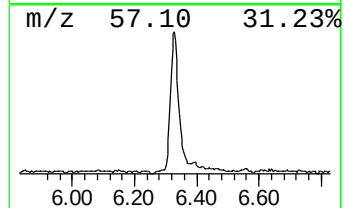
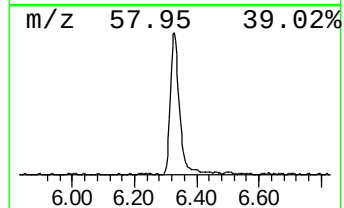
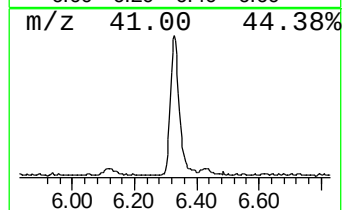
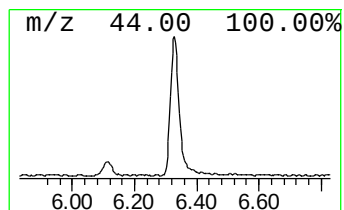
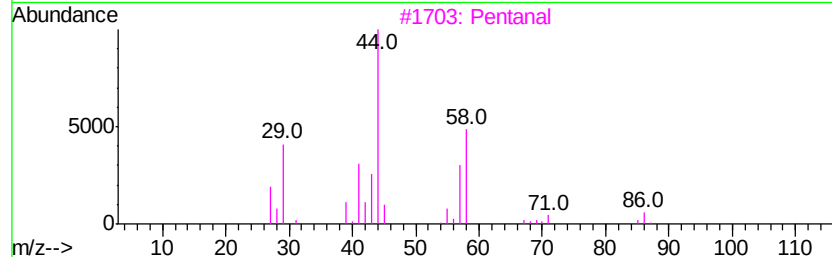
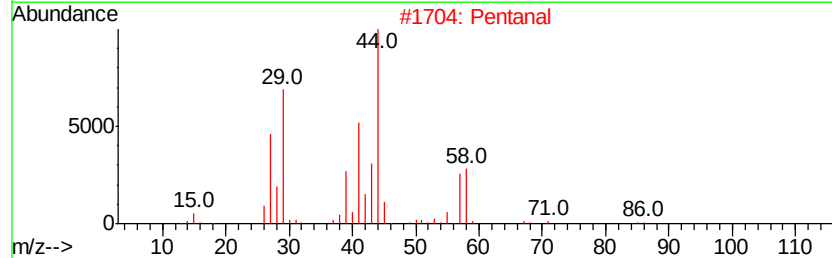
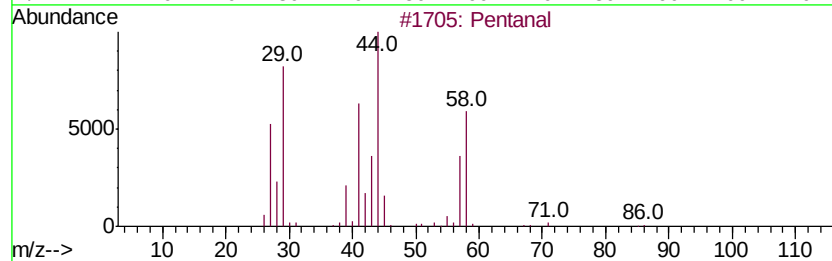
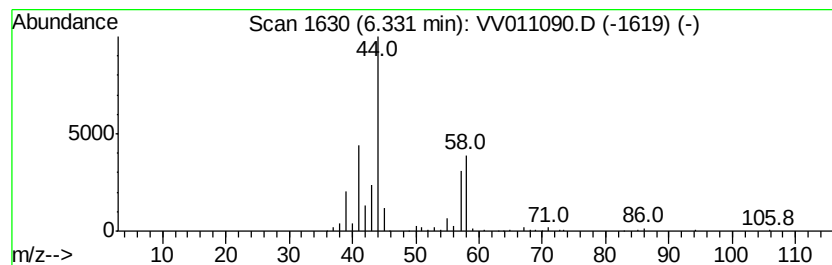
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 2 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	5.41 ug/L	194655	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	80
3		Pentanal	86	C5H10O	000110-62-3	78
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	36
5		Cyclopropyl carbinol	72	C4H8O	002516-33-8	33



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D6

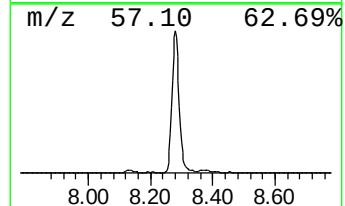
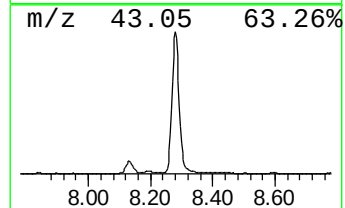
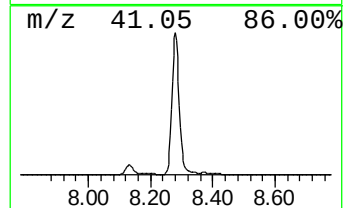
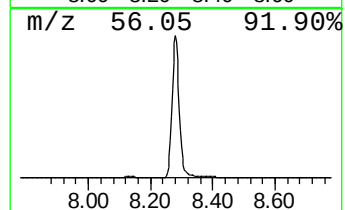
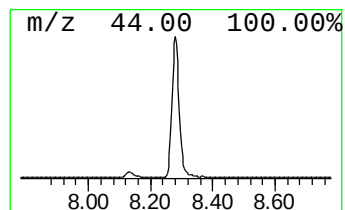
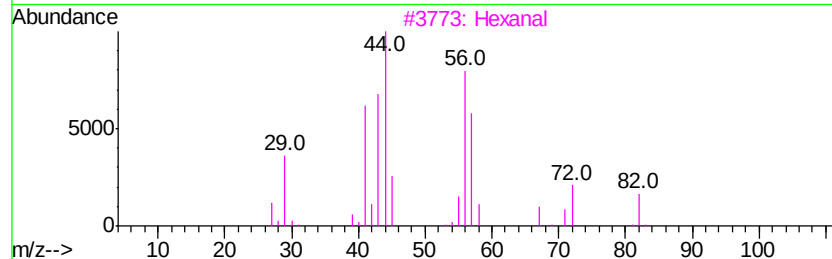
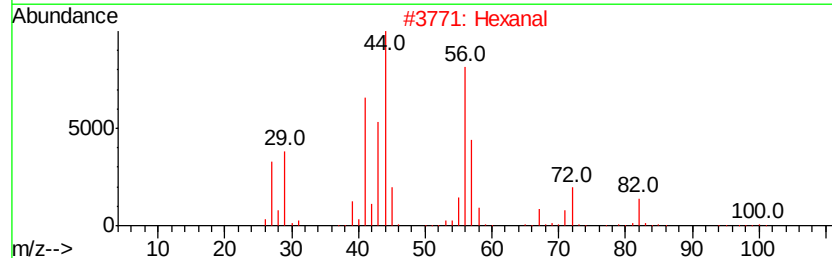
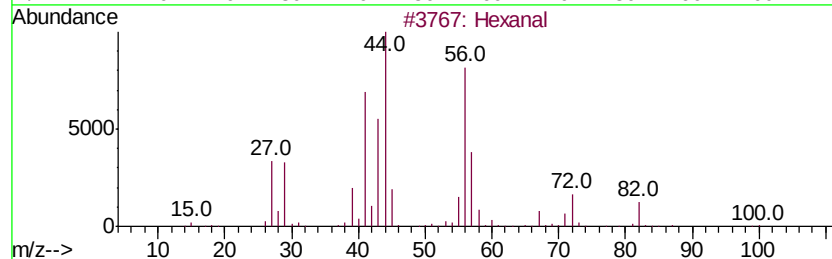
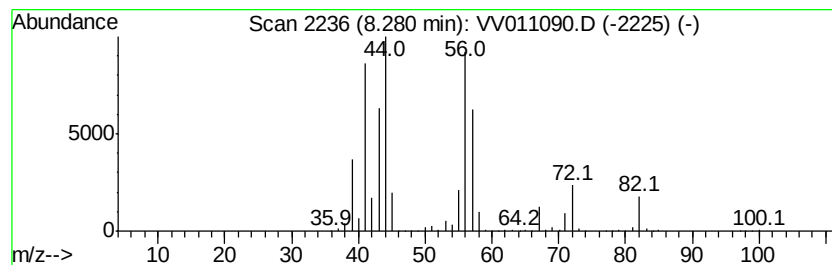
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 4 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	30.56 ug/L	1238180	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	90
4		Hexanal	100	C6H12O	000066-25-1	90
5		Glutaraldehyde	100	C5H8O2	000111-30-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D6

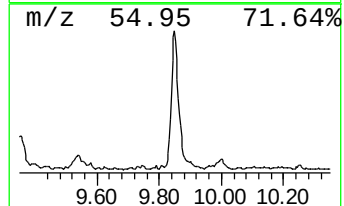
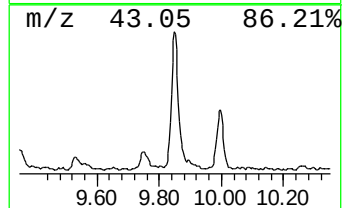
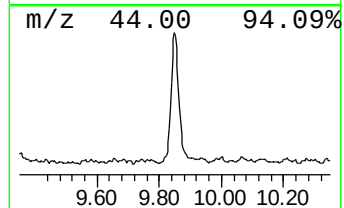
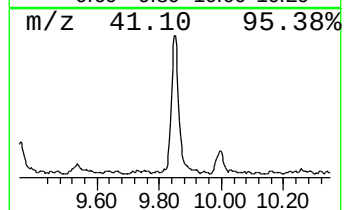
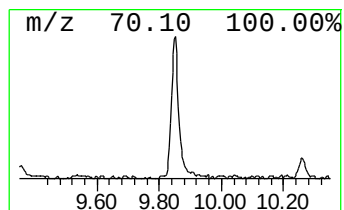
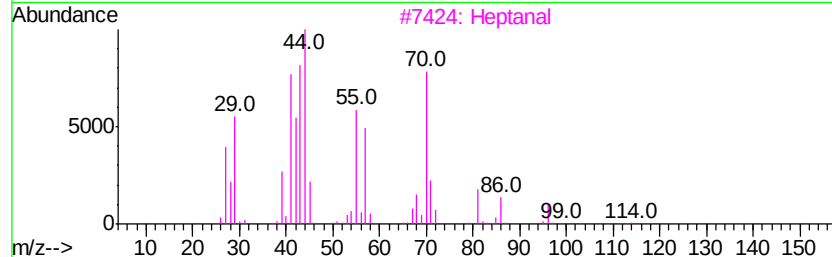
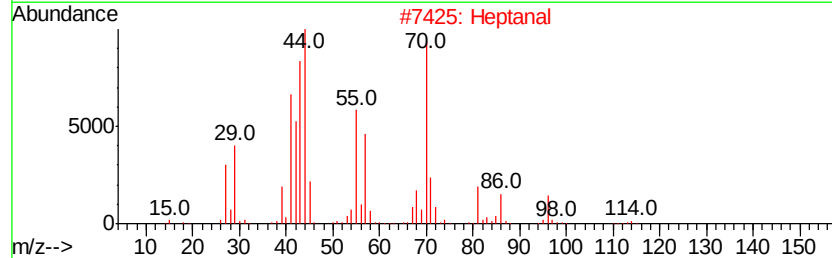
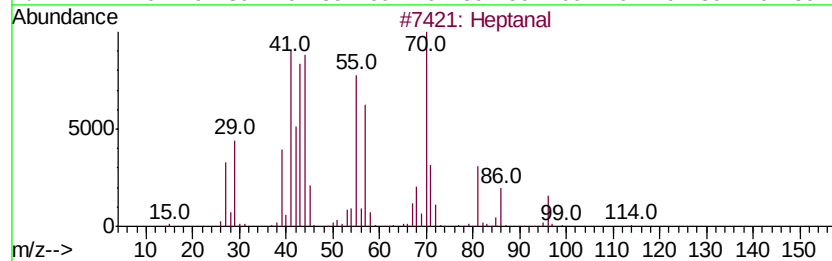
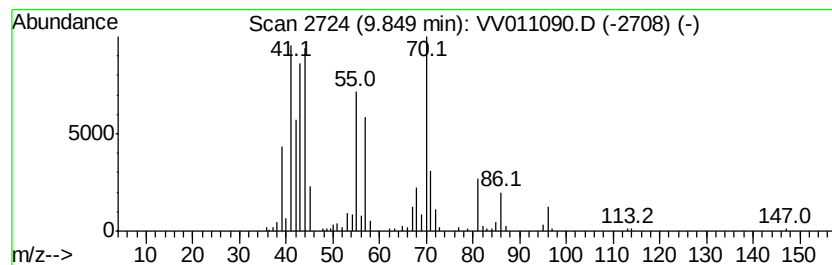
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 5 Heptanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	3.14 ug/L	127388	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	98
2		Heptanal	114	C7H14O	000111-71-7	93
3		Heptanal	114	C7H14O	000111-71-7	86
4		Heptanal	114	C7H14O	000111-71-7	81
5		Heptanal	114	C7H14O	000111-71-7	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
A51D6

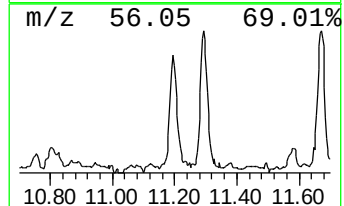
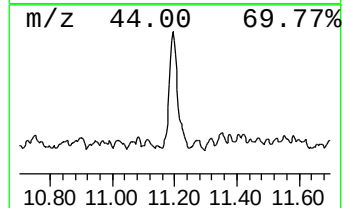
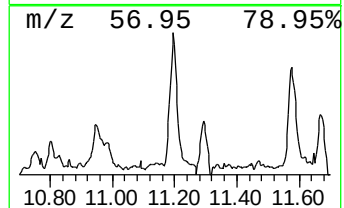
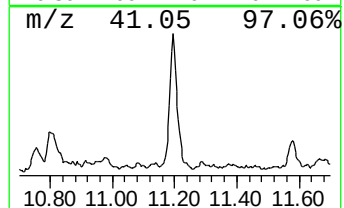
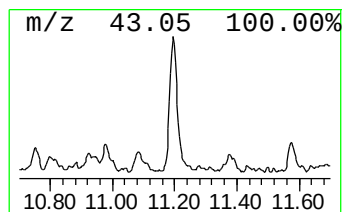
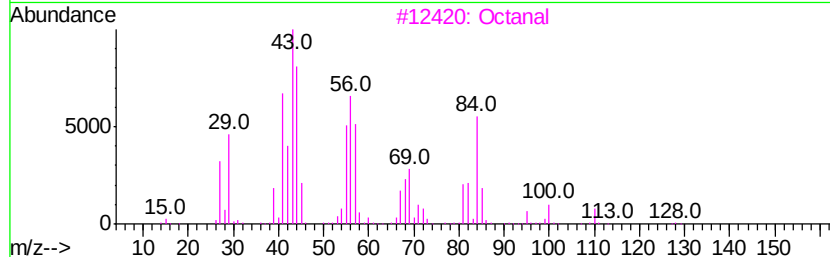
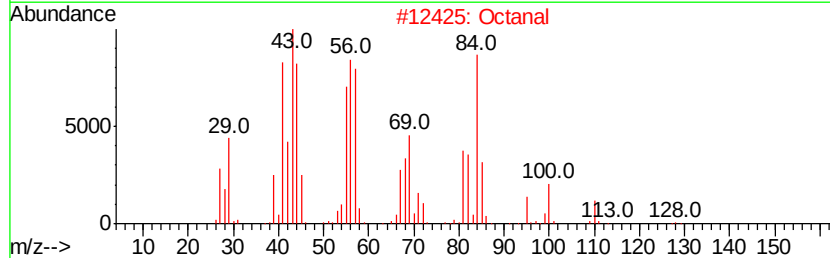
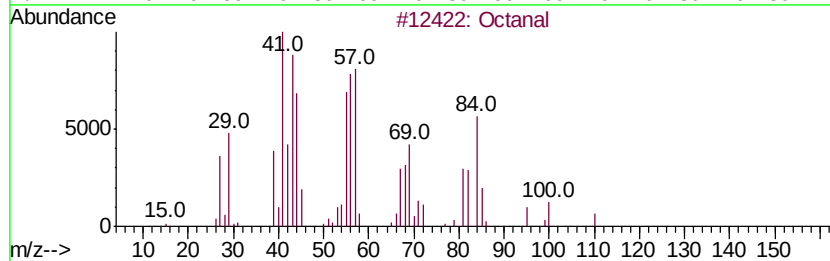
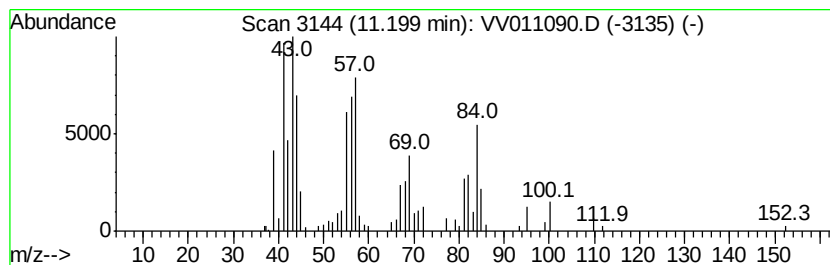
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 6 Octanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.86 ug/L	74916	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	90
4		Octanal	128	C8H16O	000124-13-0	80
5		Octanal	128	C8H16O	000124-13-0	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D6

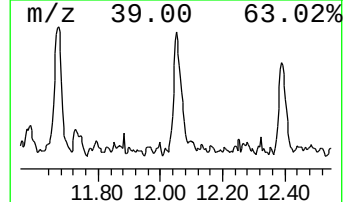
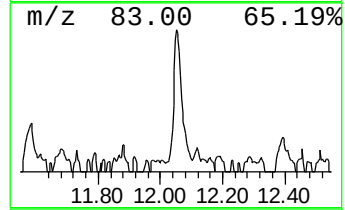
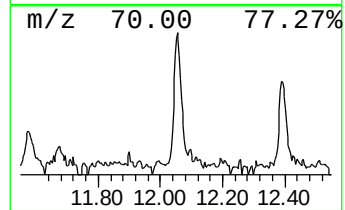
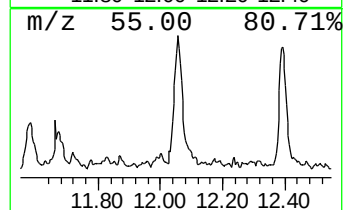
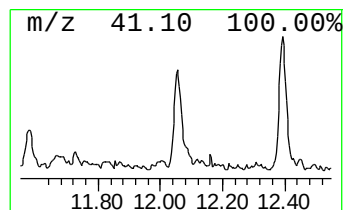
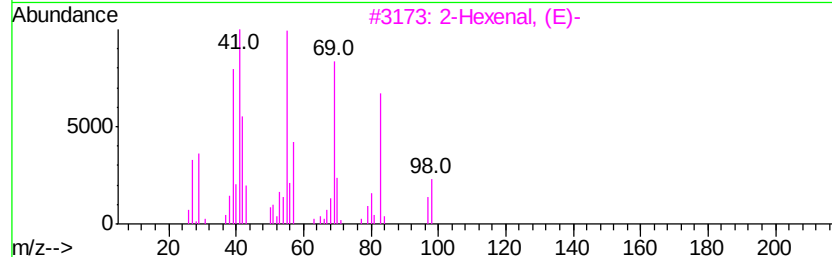
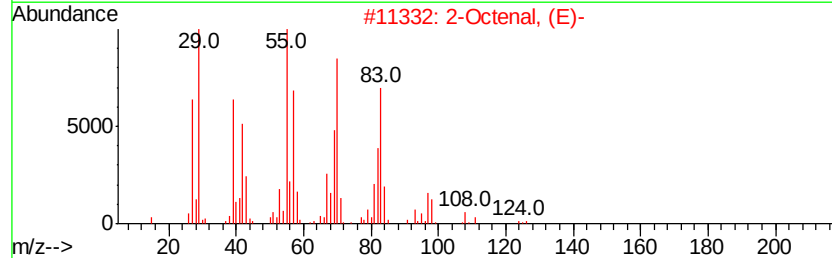
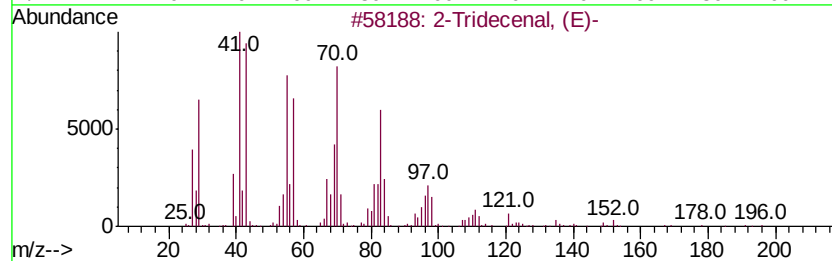
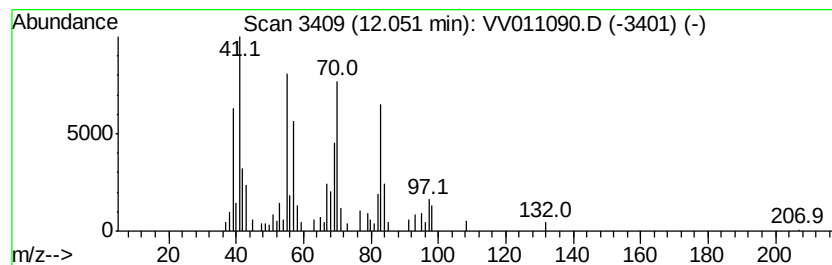
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 7 2-Tridecenal, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	1.55 ug/L	40577	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Tridecenal, (E)-	196	C13H24O	007069-41-2	90
2		2-Octenal, (E)-	126	C8H14O	002548-87-0	80
3		2-Hexenal, (E)-	98	C6H10O	006728-26-3	38
4		cis-1,2-Cyclohexanediol	116	C6H12O2	001792-81-0	35
5		2-Hexenal, (E)-	98	C6H10O	006728-26-3	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D6

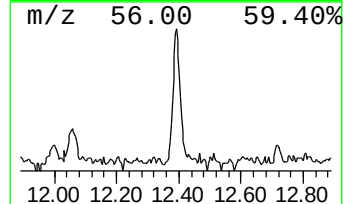
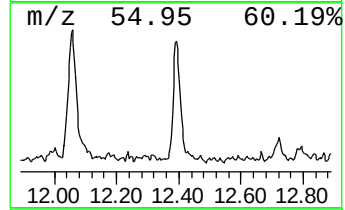
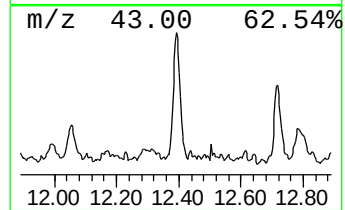
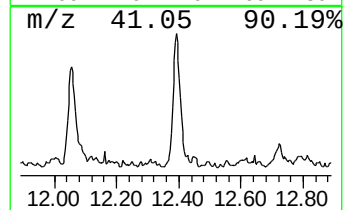
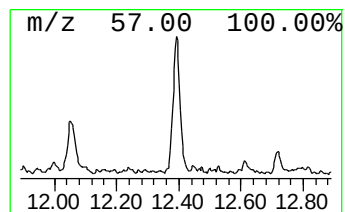
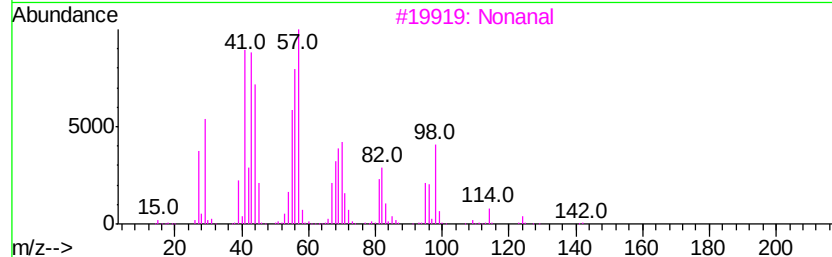
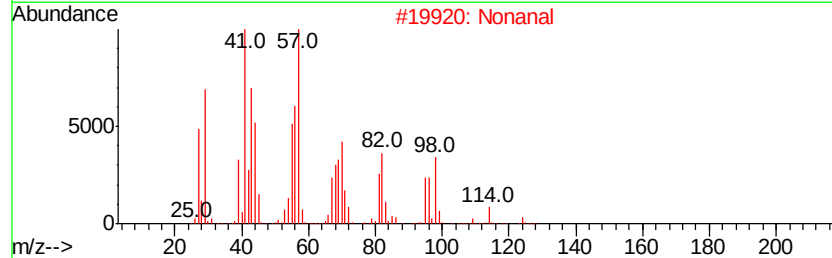
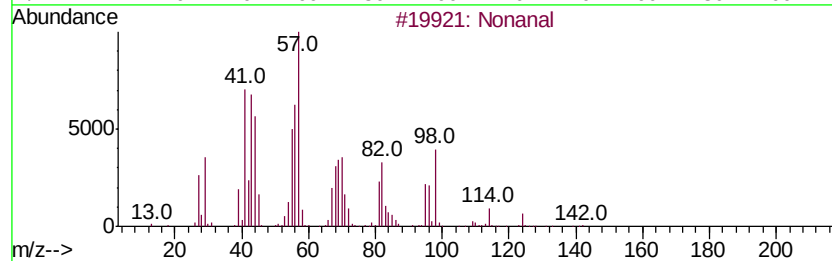
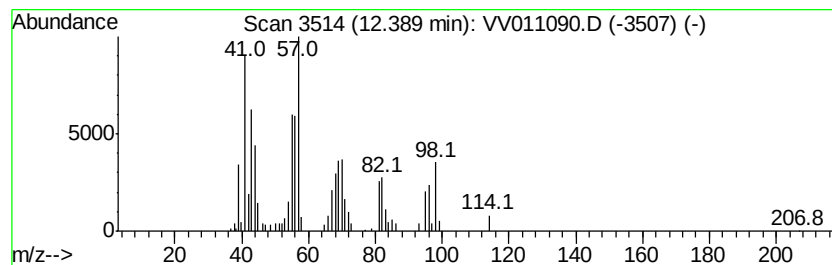
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 8 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.93 ug/L	50617	1,4-Dichlorobenzene-d4	11.29

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal		142	C9H18O	000124-19-6	91
2	Nonanal		142	C9H18O	000124-19-6	87
3	Nonanal		142	C9H18O	000124-19-6	86
4	2-Heptene		98	C7H14	000592-77-8	30
5	Heptane, 2-chloro-		134	C7H15Cl	001001-89-4	27



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052819\
Data File : VV011090.D
Acq On : 29 May 2019 05:27
Operator : SY/MD
Sample : K3016-19
Misc : 5.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D6

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	1.7	ug/L	60914	1	5.66	899363	25.0
Pentanal	6.33	5.4	ug/L	194655	1	5.66	899363	25.0
Hexanal	8.28	30.6	ug/L	1238180	2	8.89	1012760	25.0
Heptanal	9.85	3.1	ug/L	127388	2	8.89	1012760	25.0
Octanal	11.20	2.9	ug/L	74916	3	11.29	655836	25.0
2-Tridecenal, (E)-	12.05	1.6	ug/L	40577	3	11.29	655836	25.0
Nonanal	12.39	1.9	ug/L	50617	3	11.29	655836	25.0