

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
 Data File : VV011167.D
 Acq On : 31 May 2019 07:33
 Operator : SY/MD
 Sample : K3017-15RE
 Misc : 5.94G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E8RE

Integration Parameters: LSCINT.P

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

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.309	63	68	75	rVB	176744	161411	12.86%	1.687%
2	1.383	86	91	99	rVB	67904	69118	5.51%	0.723%
3	1.566	143	148	160	rVB	127317	150940	12.03%	1.578%
4	2.116	312	319	331	rVB	267981	389816	31.06%	4.075%
5	2.183	333	340	354	rVB	132150	191759	15.28%	2.005%
6	2.454	416	424	435	rVB	50548	78854	6.28%	0.824%
7	2.907	563	565	571	rVB3	1351	923	0.07%	0.010%
8	2.933	571	573	575	rBV3	1027	531	0.04%	0.006%
9	3.164	643	645	646	rBV3	1024	459	0.04%	0.005%
10	3.354	702	704	705	rBV2	580	259	0.02%	0.003%
11	3.389	711	715	722	rBV9	1004	1124	0.09%	0.012%
12	3.418	722	724	726	rVB3	946	411	0.03%	0.004%
13	3.437	726	730	731	rBV4	1113	574	0.05%	0.006%
14	3.495	744	748	751	rVB4	925	585	0.05%	0.006%
15	3.515	751	754	755	rBV3	707	287	0.02%	0.003%
16	3.624	786	788	790	rBV3	506	259	0.02%	0.003%
17	3.646	794	795	798	rBV3	813	284	0.02%	0.003%
18	3.663	798	800	802	rVB3	653	236	0.02%	0.002%
19	3.685	802	807	809	rBV5	1168	965	0.08%	0.010%
20	3.701	809	812	813	rBV3	653	369	0.03%	0.004%
21	3.743	815	825	842	rBV2	22088	51275	4.09%	0.536%
22	3.929	873	883	903	rBV	43836	114376	9.11%	1.196%
23	4.286	993	994	996	rVB2	741	176	0.01%	0.002%
24	4.302	996	999	1000	rBV2	1018	598	0.05%	0.006%
25	4.322	1003	1005	1007	rVB3	1271	393	0.03%	0.004%
26	4.392	1009	1027	1047	rBV	205722	505803	40.30%	5.287%
27	4.685	1115	1118	1119	rBV2	1350	768	0.06%	0.008%
28	4.769	1141	1144	1145	rBV3	985	637	0.05%	0.007%
29	4.807	1149	1156	1158	rBV7	1210	1112	0.09%	0.012%
30	4.865	1171	1174	1176	rBV4	1170	657	0.05%	0.007%
31	4.897	1181	1184	1185	rVB3	757	372	0.03%	0.004%
32	4.913	1185	1189	1192	rBV3	1238	1026	0.08%	0.011%
33	4.929	1192	1194	1196	rBV3	948	574	0.05%	0.006%
34	4.994	1212	1214	1218	rVB4	638	344	0.03%	0.004%

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
 Data File : VV011167.D
 Acq On : 31 May 2019 07:33
 Operator : SY/MD
 Sample : K3017-15RE
 Misc : 5.94G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E8RE

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

35	5.023	1221	1223	1226	rBV4	982	772	0.06%	0.008%
36	5.087	1226	1243	1268	rBV2	509562	1255168	100.00%	13.121%
37	5.531	1371	1381	1385	rBV9	4805	8513	0.68%	0.089%
38	5.659	1407	1421	1444	rBV	410536	814091	64.86%	8.510%
39	5.916	1497	1501	1502	rBV4	1548	984	0.08%	0.010%
40	6.113	1549	1562	1582	rBV	300864	607943	48.44%	6.355%
41	6.325	1619	1628	1643	rBV2	81475	153576	12.24%	1.605%
42	6.772	1765	1767	1769	rBV3	633	318	0.03%	0.003%
43	6.791	1769	1773	1774	rBV3	944	599	0.05%	0.006%
44	6.852	1791	1792	1794	rVB2	756	290	0.02%	0.003%
45	6.897	1804	1806	1808	rVB3	626	233	0.02%	0.002%
46	6.907	1808	1809	1813	rVB3	704	271	0.02%	0.003%
47	6.942	1818	1820	1821	rBV2	653	300	0.02%	0.003%
48	6.971	1828	1829	1832	rBV3	667	403	0.03%	0.004%
49	7.026	1832	1846	1865	rVV	149498	270165	21.52%	2.824%
50	7.270	1921	1922	1924	rBV2	596	263	0.02%	0.003%
51	7.357	1938	1949	1968	rBV	556618	947609	75.50%	9.906%
52	7.659	2033	2043	2060	rBV2	89047	156610	12.48%	1.637%
53	7.977	2129	2142	2151	rBV3	8257	16814	1.34%	0.176%
54	8.132	2179	2190	2204	rBV	159321	288857	23.01%	3.020%
55	8.280	2225	2236	2261	rBV	435342	733750	58.46%	7.670%
56	8.646	2347	2350	2354	rVV4	1187	830	0.07%	0.009%
57	8.752	2382	2383	2386	rVB3	934	374	0.03%	0.004%
58	8.820	2401	2404	2406	rBV3	1122	695	0.06%	0.007%
59	8.894	2412	2427	2453	rBV	535598	897774	71.53%	9.385%
60	9.055	2473	2477	2484	rBV9	2885	3460	0.28%	0.036%
61	9.749	2688	2693	2695	rBV3	2564	2435	0.19%	0.025%
62	9.852	2717	2725	2742	rVB2	44667	74818	5.96%	0.782%
63	10.071	2788	2793	2794	rBV5	998	831	0.07%	0.009%
64	10.167	2820	2823	2828	rBV7	1594	1273	0.10%	0.013%
65	10.186	2828	2829	2834	rVB4	1591	736	0.06%	0.008%
66	10.260	2841	2852	2869	rVB	214555	340005	27.09%	3.554%
67	10.344	2876	2878	2879	rBV2	510	218	0.02%	0.002%
68	10.421	2888	2902	2917	rVB2	20774	39214	3.12%	0.410%
69	10.476	2917	2919	2920	rBV3	882	346	0.03%	0.004%
70	10.514	2929	2931	2934	rBV3	568	353	0.03%	0.004%
71	10.563	2934	2946	2955	rVV3	5945	13423	1.07%	0.140%

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
 Data File : VV011167.D
 Acq On : 31 May 2019 07:33
 Operator : SY/MD
 Sample : K3017-15RE
 Misc : 5.94G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E8RE

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

72	10.624	2958	2965	2978	rVB3	14399	25313	2.02%	0.265%
73	10.698	2986	2988	2990	rBV3	599	298	0.02%	0.003%
74	10.755	2997	3006	3015	rBV8	8872	16838	1.34%	0.176%
75	11.196	3134	3143	3160	rBV4	31365	59490	4.74%	0.622%
76	11.296	3162	3174	3190	rVB	325891	540507	43.06%	5.650%
77	11.434	3213	3217	3218	rBV3	1661	1208	0.10%	0.013%
78	11.527	3241	3246	3248	rBV5	1016	772	0.06%	0.008%
79	11.672	3280	3291	3305	rBV	290001	474996	37.84%	4.965%
80	12.392	3506	3515	3527	rBV5	17101	30573	2.44%	0.320%
81	12.720	3610	3617	3630	rVB8	9074	14983	1.19%	0.157%
82	12.861	3658	3661	3665	rBV5	1501	1196	0.10%	0.013%
83	13.106	3733	3737	3738	rBV4	1621	1155	0.09%	0.012%
84	13.279	3789	3791	3794	rBV4	1475	1030	0.08%	0.011%
85	13.315	3800	3802	3807	rBV6	1522	993	0.08%	0.010%
86	13.415	3830	3833	3837	rVB5	2521	1745	0.14%	0.018%
87	13.479	3847	3853	3860	rBV5	4132	6860	0.55%	0.072%
88	13.633	3893	3901	3909	rBV5	8026	13025	1.04%	0.136%
89	13.829	3960	3962	3966	rVB4	1133	543	0.04%	0.006%
90	13.858	3966	3971	3972	rBV3	1978	1388	0.11%	0.015%
91	13.932	3992	3994	3997	rBV3	844	508	0.04%	0.005%
92	13.990	4010	4012	4013	rBV2	597	275	0.02%	0.003%
93	14.189	4068	4074	4076	rBV6	1535	1682	0.13%	0.018%
94	14.341	4119	4121	4124	rBV4	1047	499	0.04%	0.005%
95	14.386	4126	4135	4139	rBV7	4261	5947	0.47%	0.062%
96	14.582	4194	4196	4197	rBV3	778	229	0.02%	0.002%
97	14.720	4237	4239	4241	rBV3	1194	411	0.03%	0.004%
98	14.868	4282	4285	4290	rVB5	1474	1105	0.09%	0.012%
99	14.894	4290	4293	4294	rBV2	1168	558	0.04%	0.006%
100	14.958	4311	4313	4314	rBV2	1141	462	0.04%	0.005%

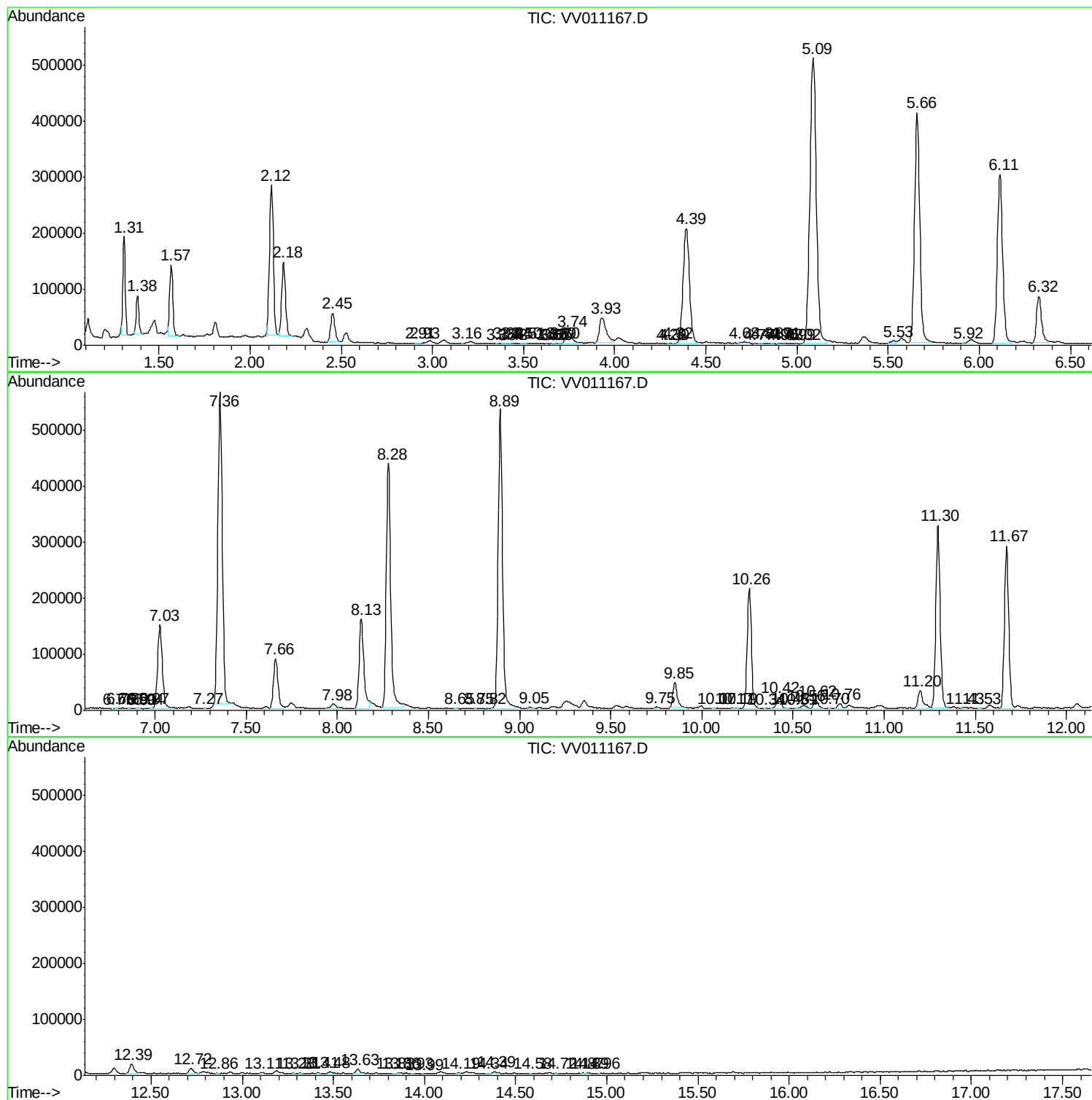
Sum of corrected areas: 9566178

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011167.D
Acq On : 31 May 2019 07:33
Operator : SY/MD
Sample : K3017-15RE
Misc : 5.94G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E8RE

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011167.D
Acq On : 31 May 2019 07:33
Operator : SY/MD
Sample : K3017-15RE
Misc : 5.94G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E8RE

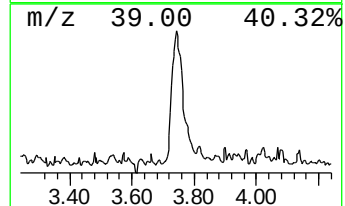
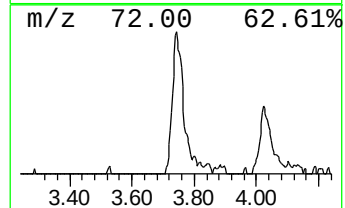
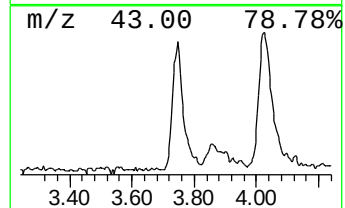
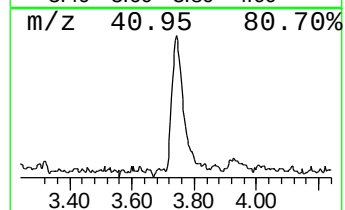
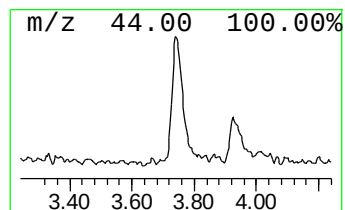
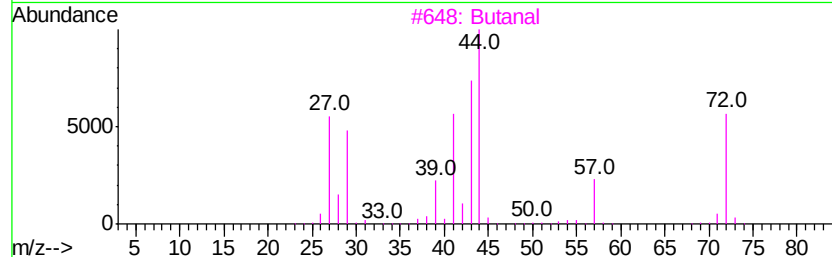
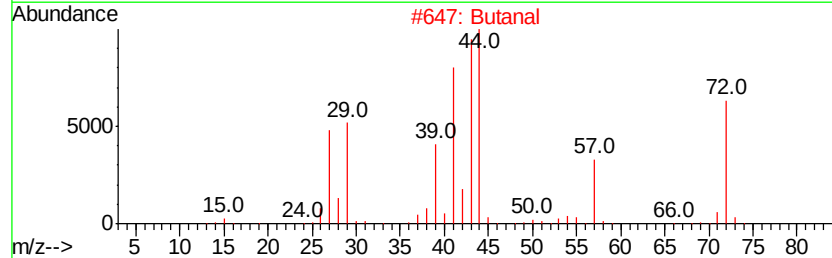
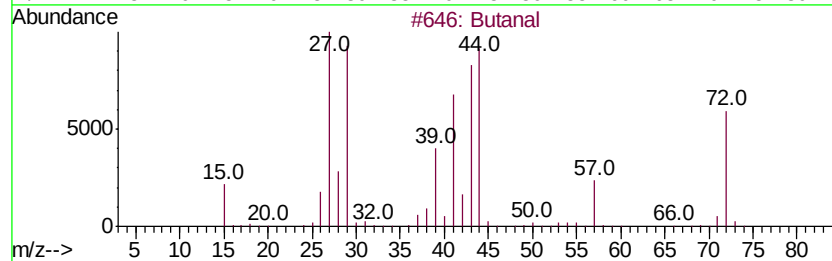
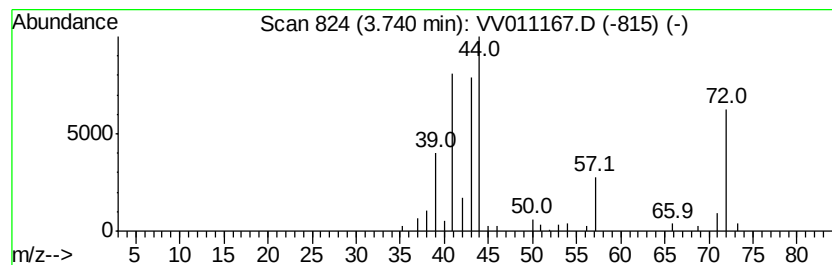
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 2 Butanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	1.57 ug/L	51275	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	91
2		Butanal	72	C4H8O	000123-72-8	91
3		Butanal	72	C4H8O	000123-72-8	64
4		Propane	44	C3H8	000074-98-6	53
5		Butanal	72	C4H8O	000123-72-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011167.D
Acq On : 31 May 2019 07:33
Operator : SY/MD
Sample : K3017-15RE
Misc : 5.94G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E8RE

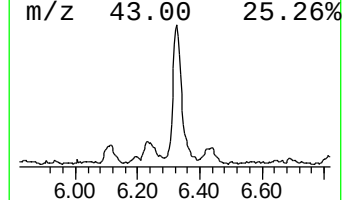
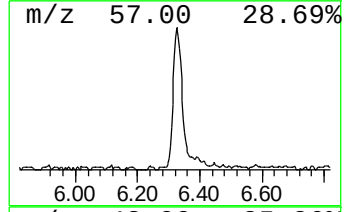
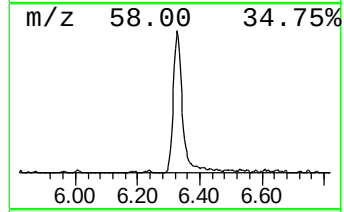
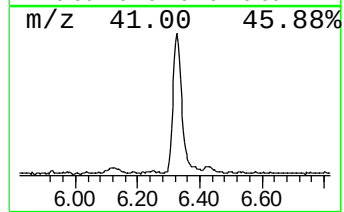
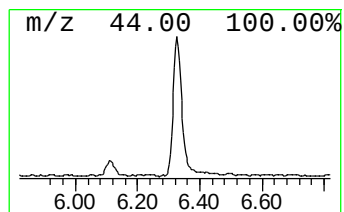
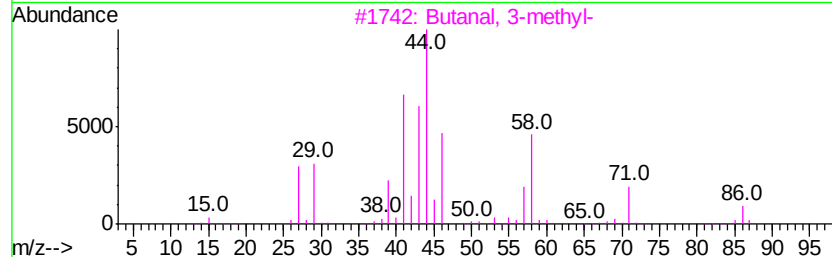
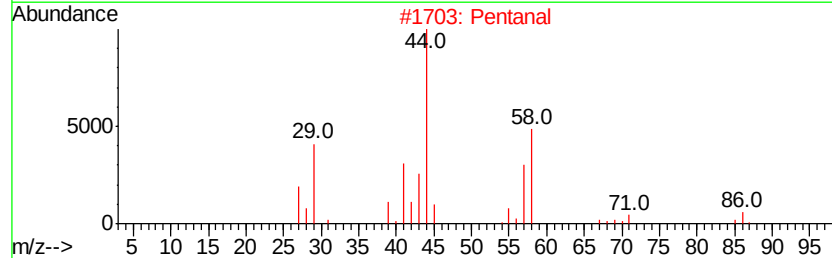
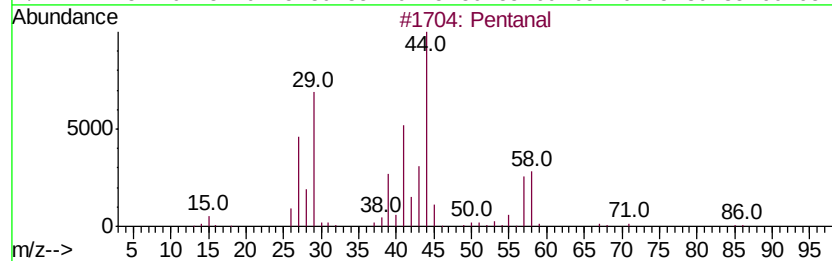
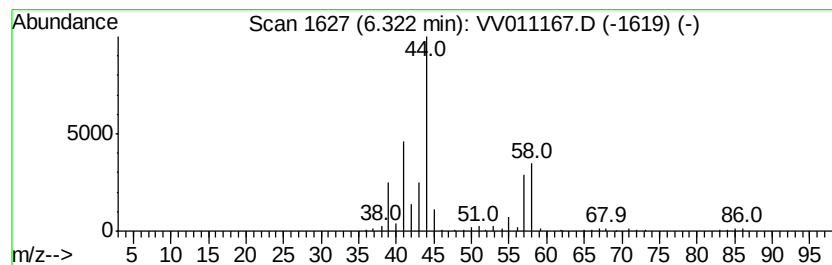
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 3 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	4.72 ug/L	153576	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	91
2		Pentanal	86	C5H10O	000110-62-3	72
3		Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
4		Pentanal	86	C5H10O	000110-62-3	56
5		Cyclopropyl carbinol	72	C4H8O	002516-33-8	36



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011167.D
Acq On : 31 May 2019 07:33
Operator : SY/MD
Sample : K3017-15RE
Misc : 5.94G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E8RE

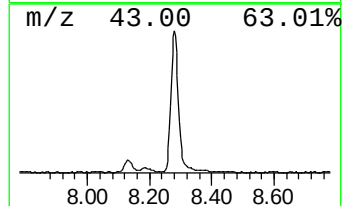
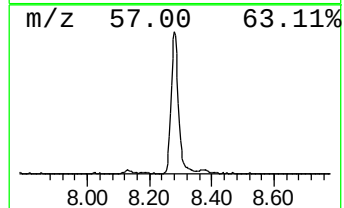
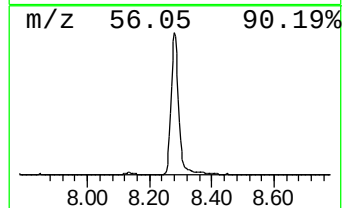
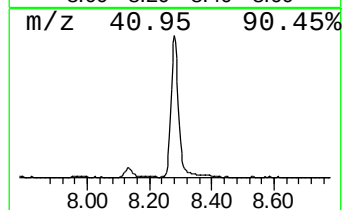
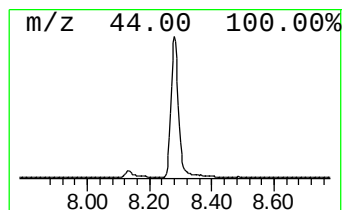
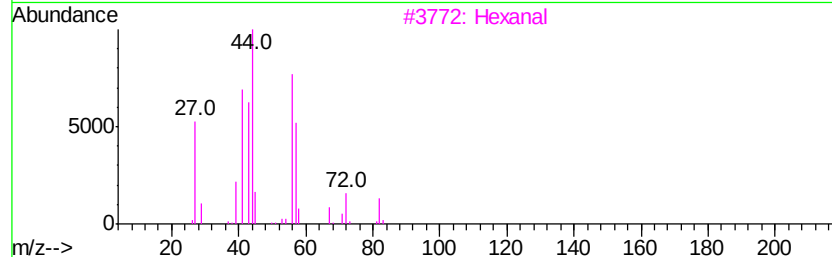
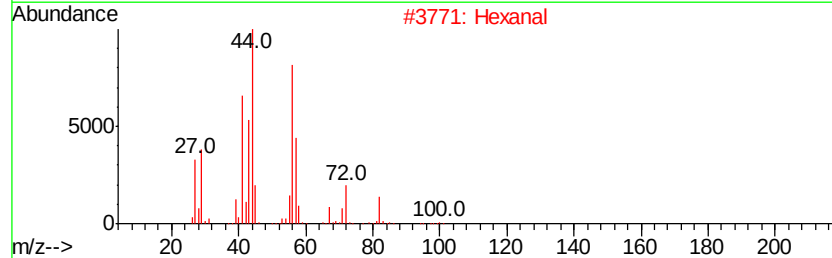
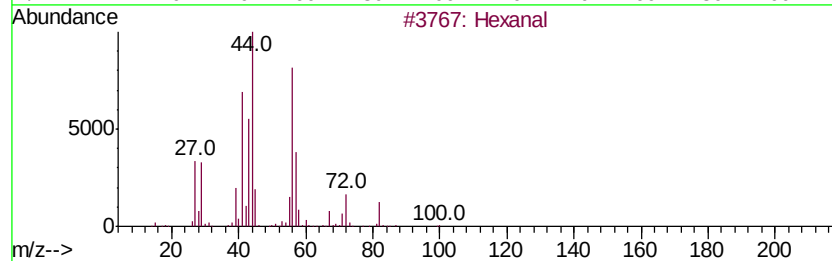
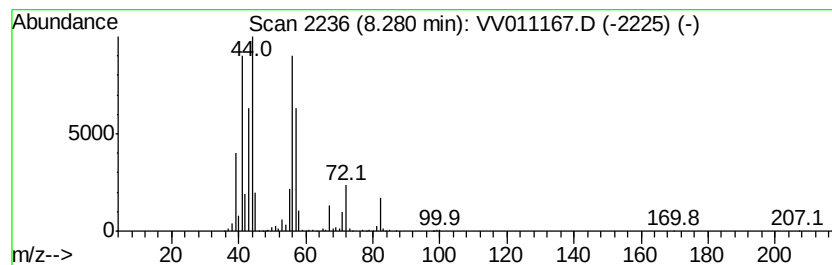
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	20.43 ug/L	733750	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	87
2		Hexanal	100	C6H12O	000066-25-1	80
3		Hexanal	100	C6H12O	000066-25-1	72
4		Hexanal	100	C6H12O	000066-25-1	72
5		Butanal, 3-methyl-	86	C5H10O	000590-86-3	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011167.D
Acq On : 31 May 2019 07:33
Operator : SY/MD
Sample : K3017-15RE
Misc : 5.94G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E8RE

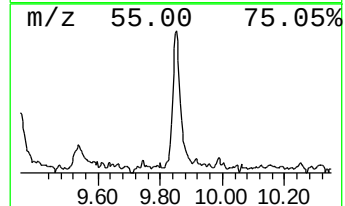
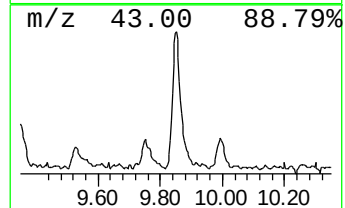
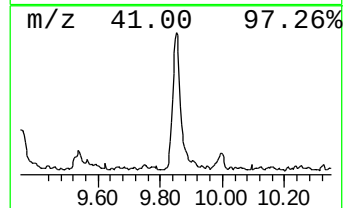
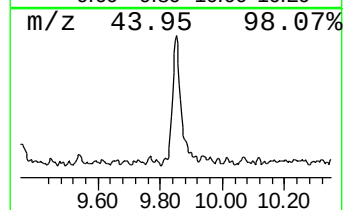
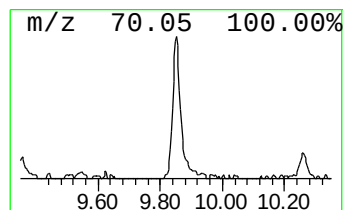
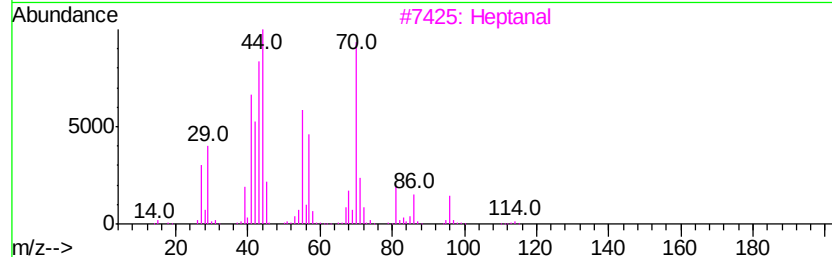
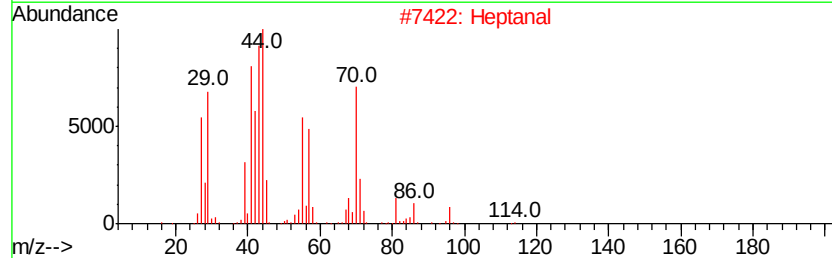
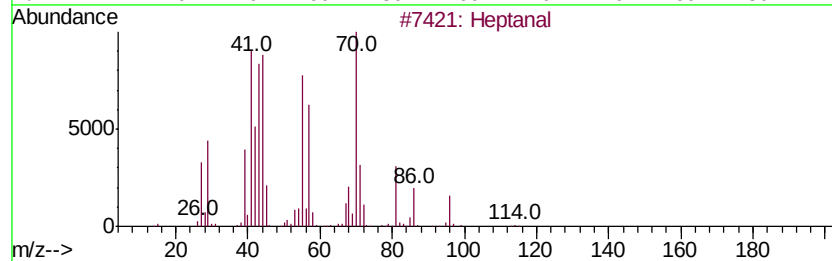
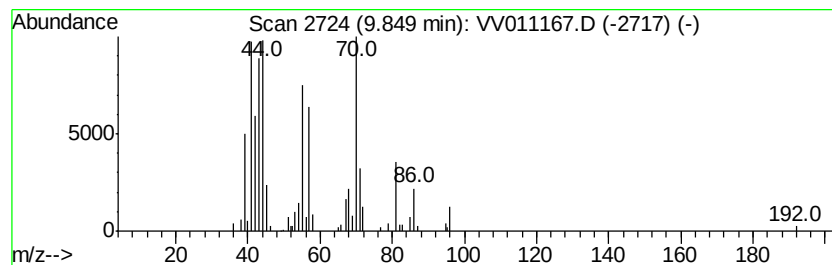
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 6 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.08 ug/L	74818	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal		114	C7H14O	000111-71-7	86
2	Heptanal		114	C7H14O	000111-71-7	80
3	Heptanal		114	C7H14O	000111-71-7	80
4	Heptanal		114	C7H14O	000111-71-7	80
5	Heptanal		114	C7H14O	000111-71-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011167.D
Acq On : 31 May 2019 07:33
Operator : SY/MD
Sample : K3017-15RE
Misc : 5.94G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E8RE

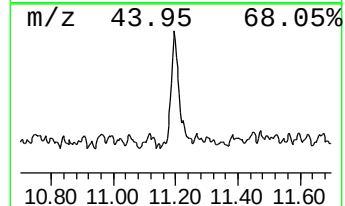
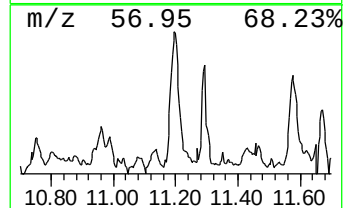
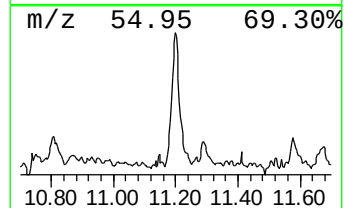
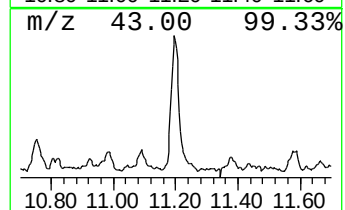
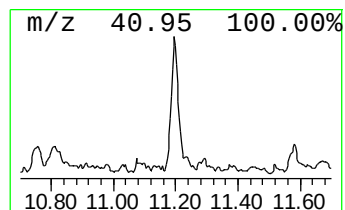
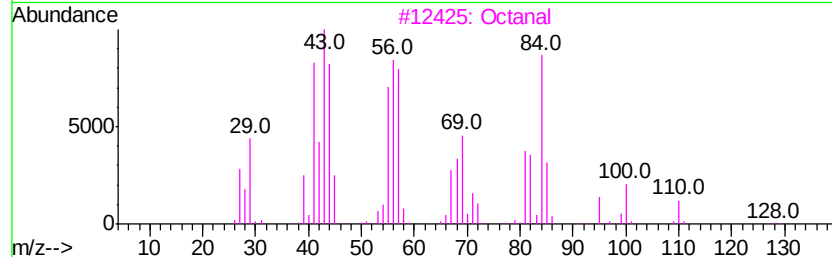
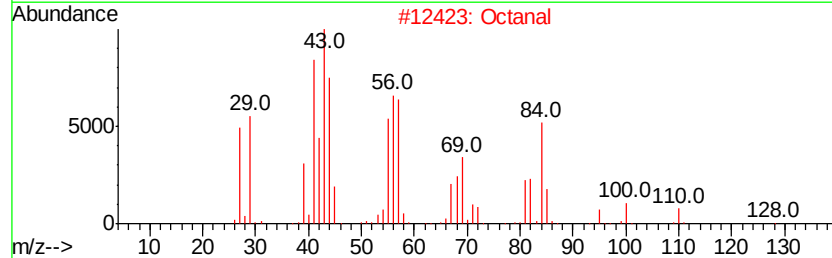
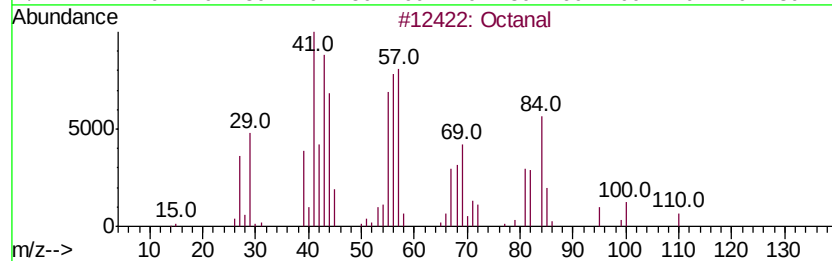
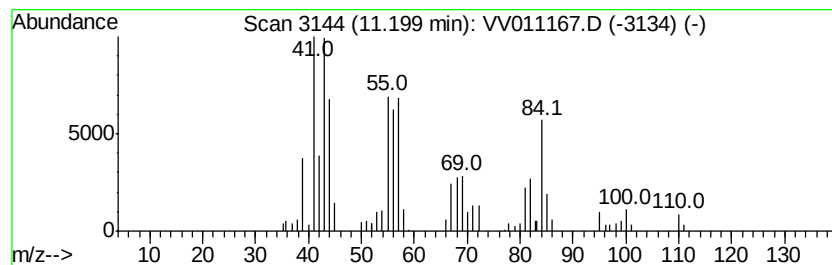
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis

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

Peak Number 8 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.75 ug/L	59490	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	87
3		Octanal	128	C8H16O	000124-13-0	83
4		Octanal	128	C8H16O	000124-13-0	80
5		Octanal	128	C8H16O	000124-13-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV053019\
Data File : VV011167.D
Acq On : 31 May 2019 07:33
Operator : SY/MD
Sample : K3017-15RE
Misc : 5.94G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

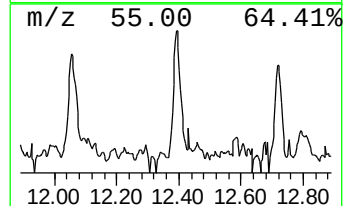
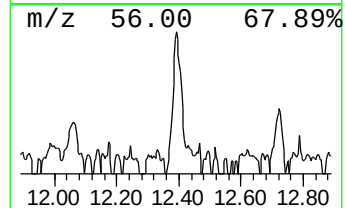
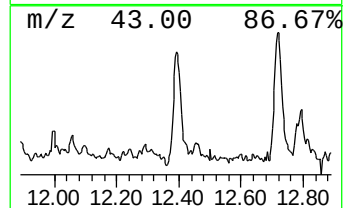
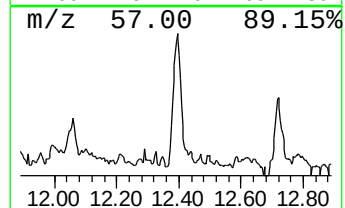
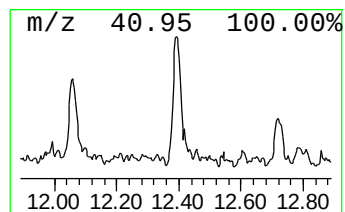
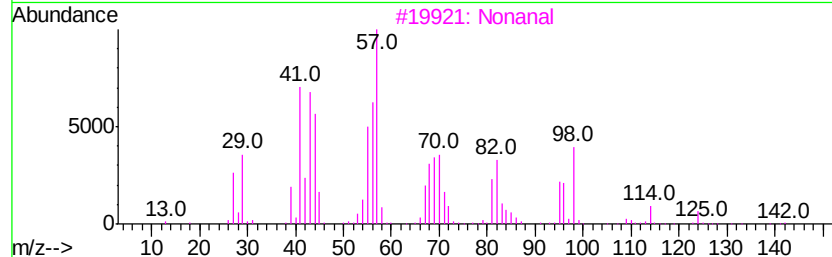
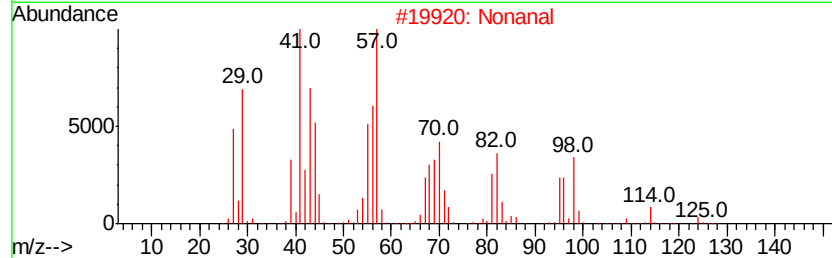
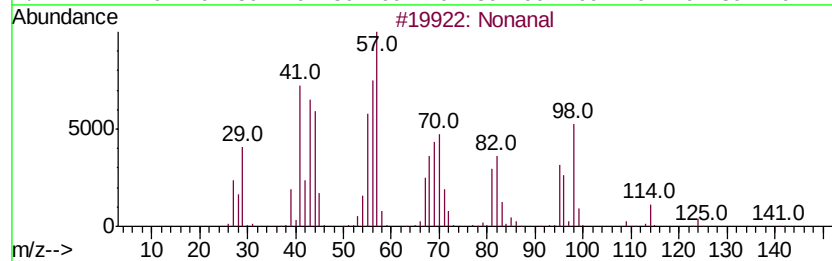
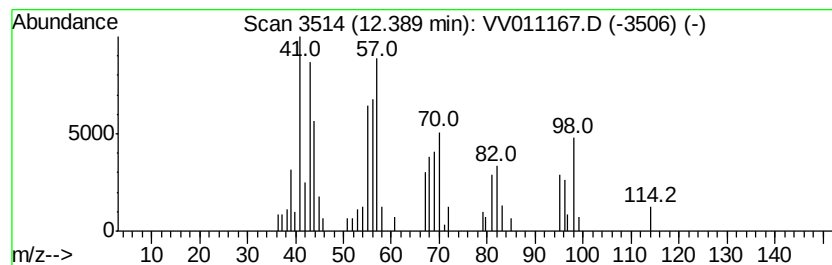
Instrument :
MSVOA_V
ClientSampleId :
A51E8RE

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

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

Peak Number 9 Nonanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.41 ug/L	30573	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonanal		142 C9H18O	000124-19-6 83
2	Nonanal		142 C9H18O	000124-19-6 68
3	Nonanal		142 C9H18O	000124-19-6 64
4	Nonanal		142 C9H18O	000124-19-6 58
5	Cycloheptane		98 C7H14	000291-64-5 30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053019\
Data File : VV011167.D
Acq On : 31 May 2019 07:33
Operator : SY/MD
Sample : K3017-15RE
Misc : 5.94G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E8RE

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

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

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---			
					#	RT	Resp	Conc
Butanal	3.74	1.6	ug/L	51275	1	5.66	814091	25.0
Pentanal	6.32	4.7	ug/L	153576	1	5.66	814091	25.0
Hexanal	8.28	20.4	ug/L	733750	2	8.89	897774	25.0
Heptanal	9.85	2.1	ug/L	74818	2	8.89	897774	25.0
Octanal	11.20	2.8	ug/L	59490	3	11.30	540507	25.0
Nonanal	12.39	1.4	ug/L	30573	3	11.30	540507	25.0