

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
 Data File : VV011126.D
 Acq On : 30 May 2019 02:06
 Operator : SY/MD
 Sample : K3017-16
 Misc : 4.21G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E9

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	76	rVB	156937	147540	16.14%	2.021%
2	1.383	86	91	98	rVB	74284	73842	8.08%	1.012%
3	2.113	311	318	331	rVB2	243111	367197	40.16%	5.030%
4	2.454	416	424	439	rVB	111202	177756	19.44%	2.435%
5	2.888	557	559	560	rBV3	982	393	0.04%	0.005%
6	3.151	637	641	642	rBV3	909	712	0.08%	0.010%
7	3.380	710	712	713	rBV2	696	276	0.03%	0.004%
8	3.412	719	722	724	rBV3	1119	733	0.08%	0.010%
9	3.454	733	735	738	rVB4	1459	779	0.09%	0.011%
10	3.483	742	744	745	rBV2	507	170	0.02%	0.002%
11	3.524	753	757	758	rBV3	1702	1153	0.13%	0.016%
12	3.631	787	790	793	rBV2	1057	748	0.08%	0.010%
13	3.679	803	805	808	rBV4	1096	579	0.06%	0.008%
14	3.743	814	825	848	rBV	25095	64761	7.08%	0.887%
15	3.933	874	884	904	rBV	47941	129325	14.14%	1.772%
16	4.225	973	975	977	rBV3	412	212	0.02%	0.003%
17	4.251	981	983	985	rBV2	656	349	0.04%	0.005%
18	4.267	985	988	990	rBV4	1087	534	0.06%	0.007%
19	4.393	1008	1027	1050	rBV	144253	357209	39.07%	4.894%
20	4.756	1138	1140	1142	rBV3	880	492	0.05%	0.007%
21	4.852	1166	1170	1172	rBV4	1195	827	0.09%	0.011%
22	4.875	1176	1177	1179	rBV	736	374	0.04%	0.005%
23	4.923	1188	1192	1193	rBV5	995	489	0.05%	0.007%
24	4.946	1193	1199	1200	rBV5	1894	1434	0.16%	0.020%
25	4.971	1205	1207	1210	rVB3	1106	615	0.07%	0.008%
26	4.994	1210	1214	1216	rBV5	801	510	0.06%	0.007%
27	5.007	1216	1218	1222	rVB5	751	326	0.04%	0.004%
28	5.029	1222	1225	1226	rBV3	1093	562	0.06%	0.008%
29	5.087	1226	1243	1266	rBV2	368715	914302	100.00%	12.525%
30	5.299	1307	1309	1312	rVB3	1090	550	0.06%	0.008%
31	5.499	1368	1371	1372	rBV2	1278	752	0.08%	0.010%
32	5.659	1409	1421	1439	rVB	299858	586086	64.10%	8.029%
33	5.878	1486	1489	1492	rBV5	1630	1352	0.15%	0.019%
34	6.113	1550	1562	1584	rVB	210678	418567	45.78%	5.734%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
 Data File : VV011126.D
 Acq On : 30 May 2019 02:06
 Operator : SY/MD
 Sample : K3017-16
 Misc : 4.21G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E9

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	6.325	1619	1628	1647	rBV	101867	194016	21.22%	2.658%
36	6.868	1795	1797	1801	rVB3	1083	867	0.09%	0.012%
37	6.888	1801	1803	1806	rBV3	1223	865	0.09%	0.012%
38	7.026	1836	1846	1867	rVB	112490	202535	22.15%	2.775%
39	7.273	1915	1923	1931	rBV3	12603	22090	2.42%	0.303%
40	7.357	1940	1949	1963	rVB	388565	661527	72.35%	9.063%
41	7.662	2035	2044	2055	rBV2	70769	114893	12.57%	1.574%
42	7.881	2110	2112	2115	rVB4	1393	704	0.08%	0.010%
43	8.132	2179	2190	2221	rBV	177208	344364	37.66%	4.718%
44	8.280	2225	2236	2257	rBV	540536	875985	95.81%	12.001%
45	8.685	2360	2362	2363	rBV2	693	327	0.04%	0.004%
46	8.823	2402	2405	2406	rBV2	1129	512	0.06%	0.007%
47	8.894	2411	2427	2442	rBV	365976	603468	66.00%	8.267%
48	9.531	2617	2625	2637	rBV6	9107	21109	2.31%	0.289%
49	9.852	2718	2725	2739	rVB3	32316	49678	5.43%	0.681%
50	10.039	2781	2783	2786	rBV3	1317	827	0.09%	0.011%
51	10.080	2794	2796	2799	rBV4	1063	737	0.08%	0.010%
52	10.260	2842	2852	2866	rVB	164579	261734	28.63%	3.586%
53	10.354	2877	2881	2883	rBV5	1382	1004	0.11%	0.014%
54	10.492	2922	2924	2925	rBV2	1779	821	0.09%	0.011%
55	10.624	2957	2965	2982	rVB2	22096	40696	4.45%	0.558%
56	10.717	2991	2994	2996	rBV3	976	723	0.08%	0.010%
57	11.196	3135	3143	3158	rBV5	20343	35471	3.88%	0.486%
58	11.293	3163	3173	3189	rVV	175665	295648	32.34%	4.050%
59	11.576	3255	3261	3269	rBV5	7536	11490	1.26%	0.157%
60	11.672	3281	3291	3303	rBV	155424	251486	27.51%	3.445%
61	11.833	3332	3341	3347	rBV	3108	6353	0.69%	0.087%
62	12.392	3507	3515	3526	rBV5	13722	23570	2.58%	0.323%
63	13.000	3699	3704	3710	rBV10	1957	2573	0.28%	0.035%
64	13.360	3812	3816	3817	rBV3	1731	1127	0.12%	0.015%
65	13.411	3829	3832	3833	rBV3	1964	1113	0.12%	0.015%
66	13.720	3926	3928	3929	rBV2	1180	519	0.06%	0.007%
67	14.093	4035	4044	4052	rBV2	7395	13084	1.43%	0.179%
68	14.305	4108	4110	4114	rBV4	943	564	0.06%	0.008%
69	14.685	4221	4228	4234	rBV9	2866	3425	0.37%	0.047%
70	14.804	4260	4265	4269	rBV6	1898	1783	0.20%	0.024%
71	14.878	4286	4288	4289	rBV2	1282	373	0.04%	0.005%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

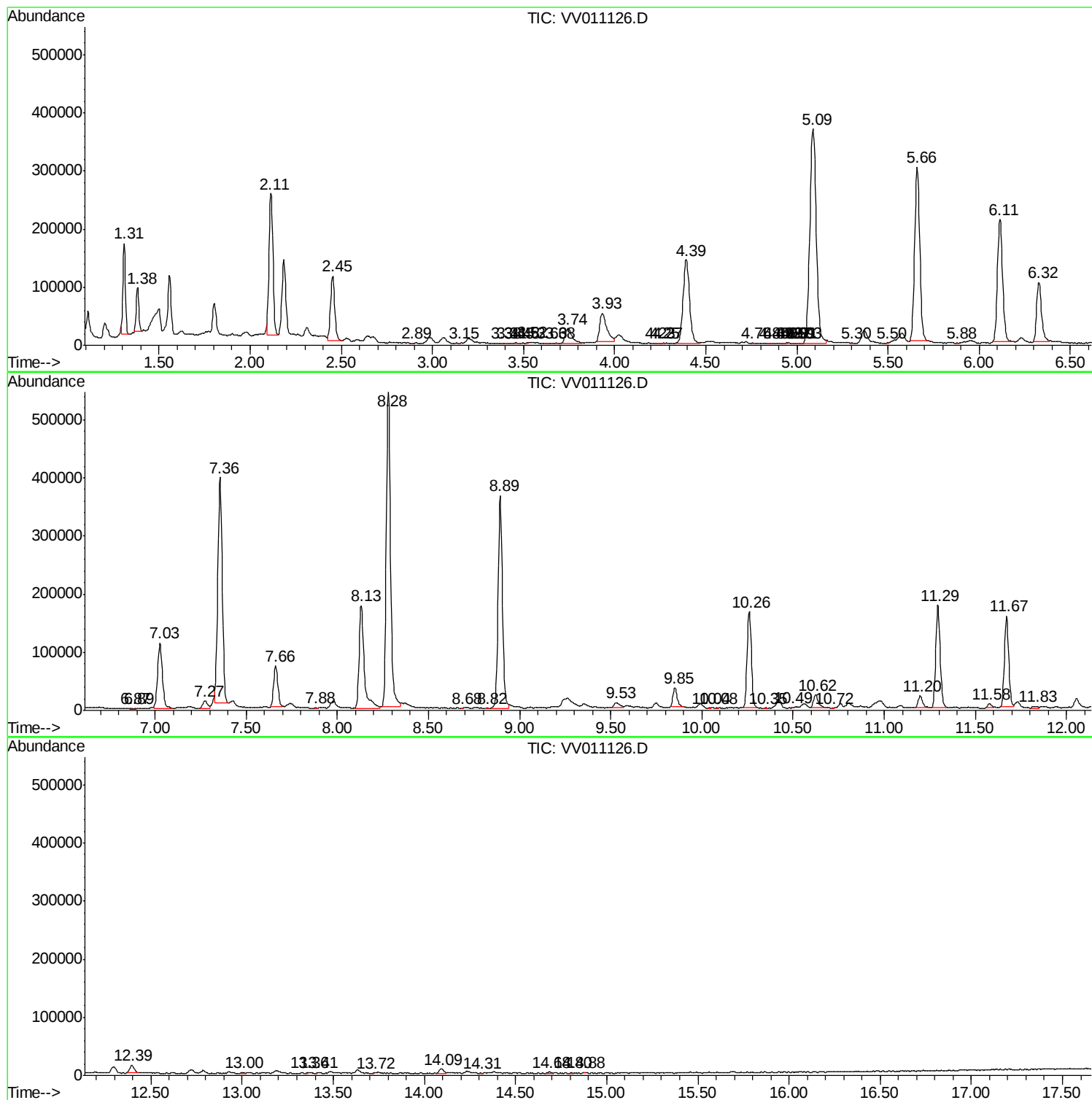
Sum of corrected areas: 7299567

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

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\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

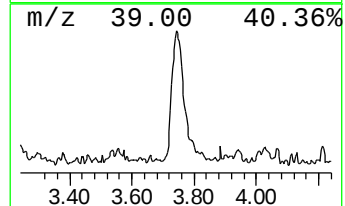
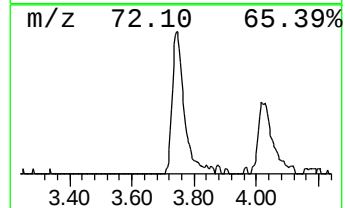
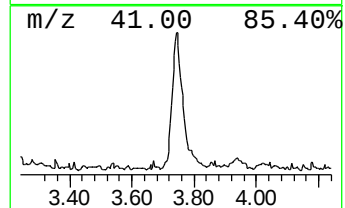
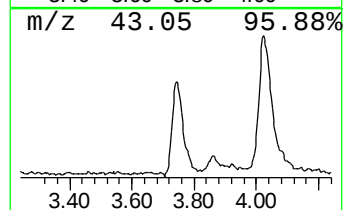
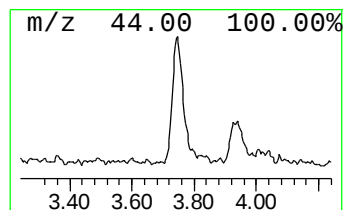
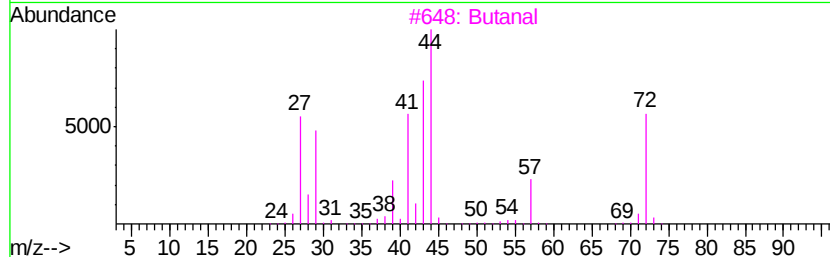
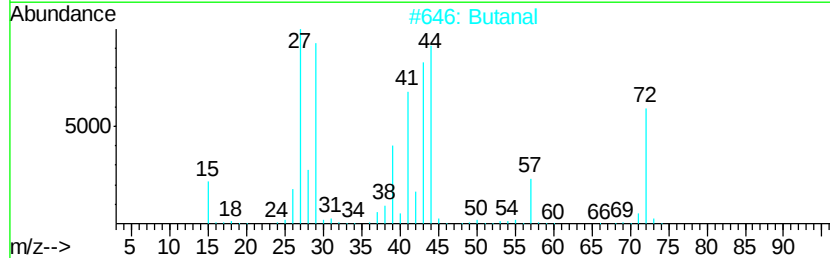
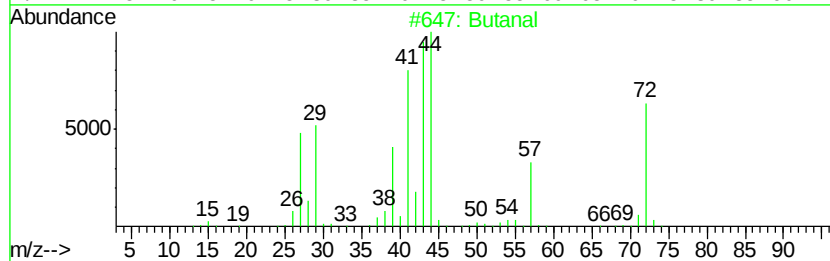
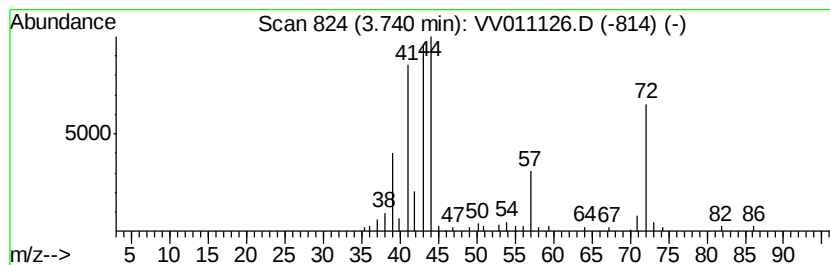
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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.
3.74	2.76 ug/L	64761	1,4-Difluorobenzene	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal		72	C4H8O	000123-72-8	94
2	Butanal		72	C4H8O	000123-72-8	91
3	Butanal		72	C4H8O	000123-72-8	58
4	Butanal		72	C4H8O	000123-72-8	58
5	Propanal, 2-methyl-		72	C4H8O	000078-84-2	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

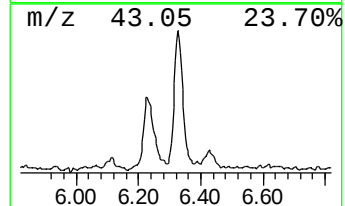
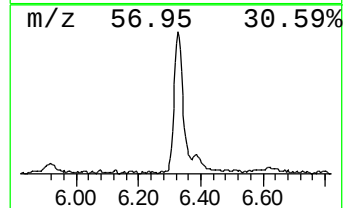
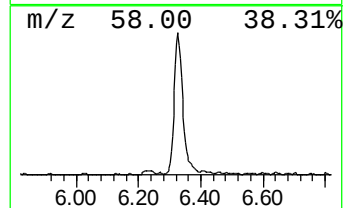
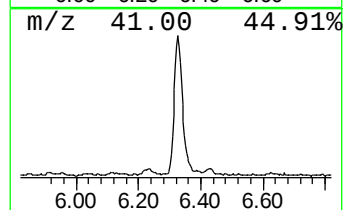
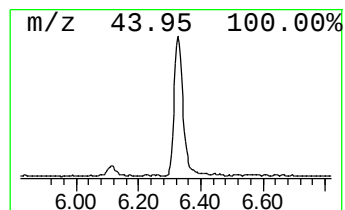
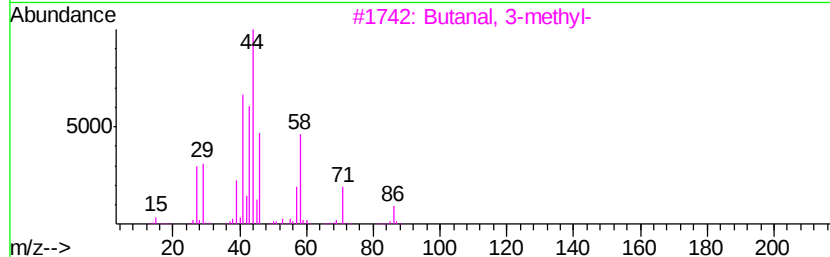
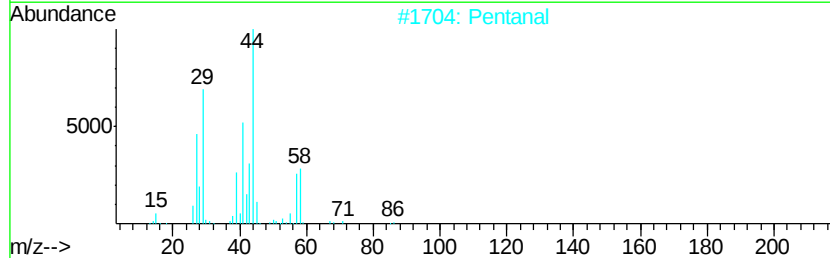
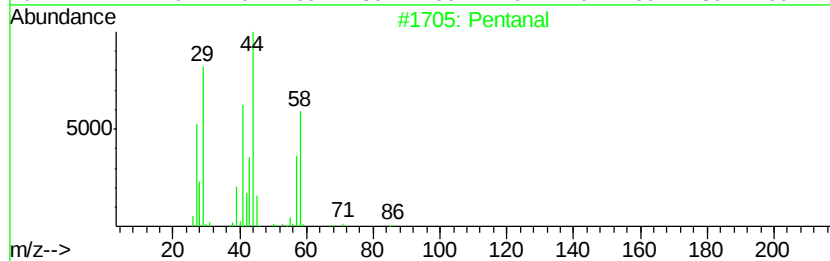
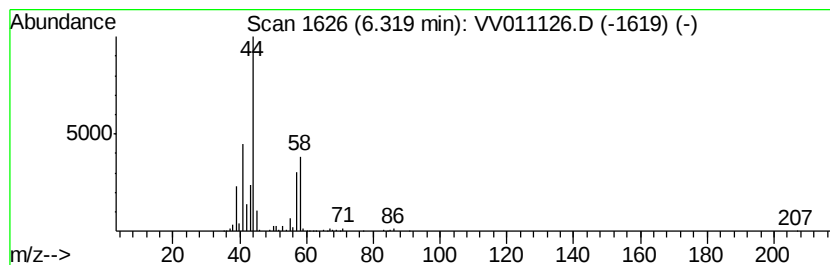
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 3 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	8.28 ug/L	194016	1,4-Difluorobenzene	5.66

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

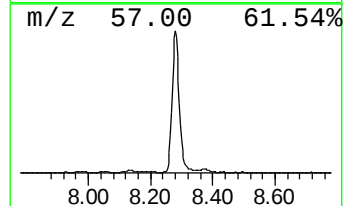
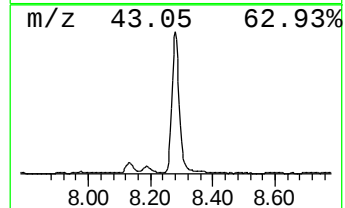
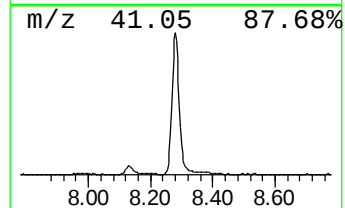
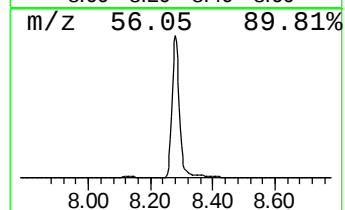
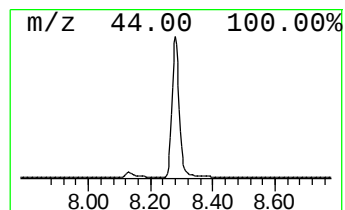
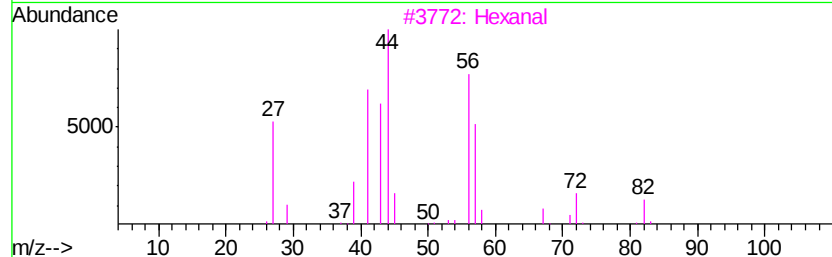
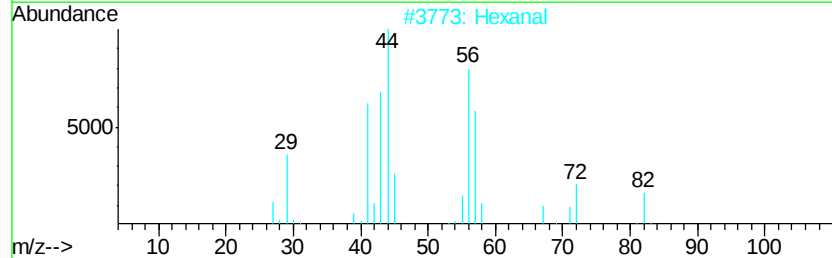
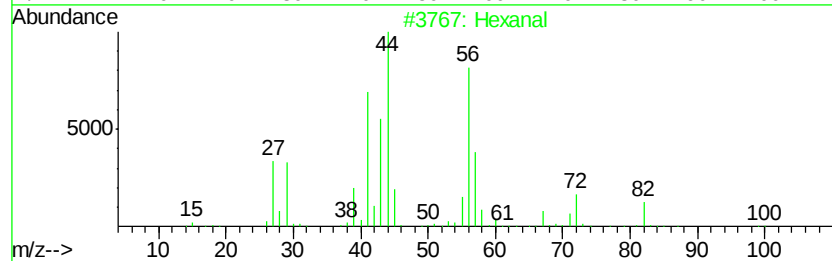
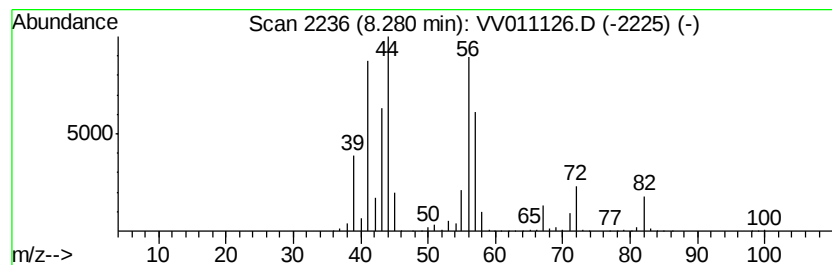
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	36.29 ug/L	875985	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	80
4		Hexanal	100	C6H12O	000066-25-1	80
5		Butanal	72	C4H8O	000123-72-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

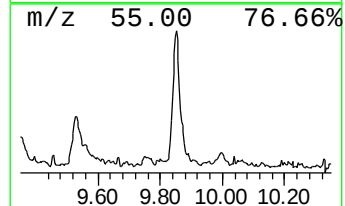
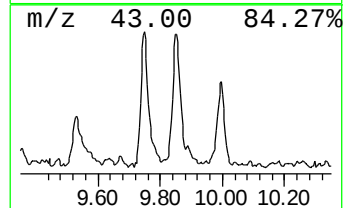
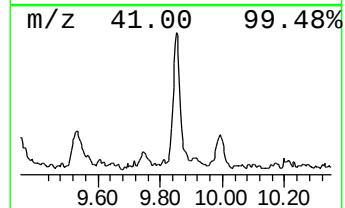
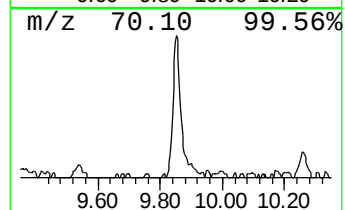
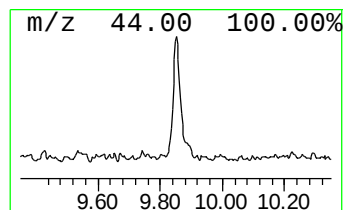
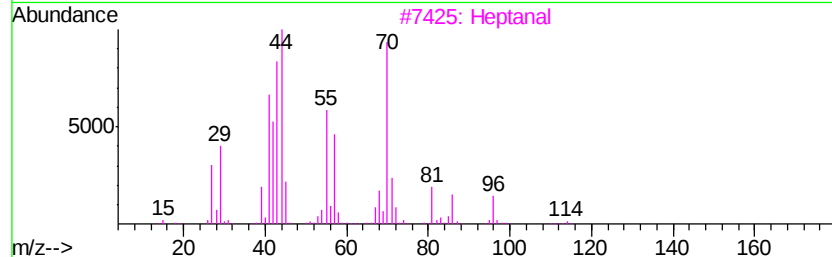
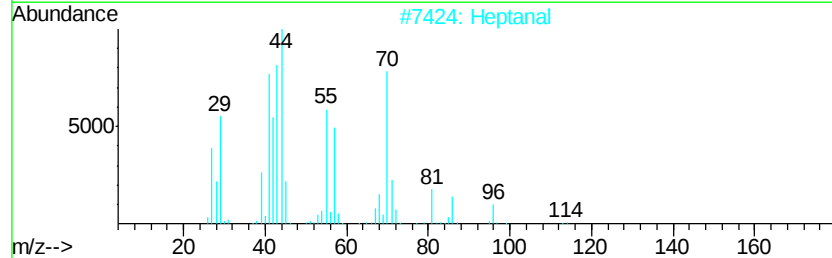
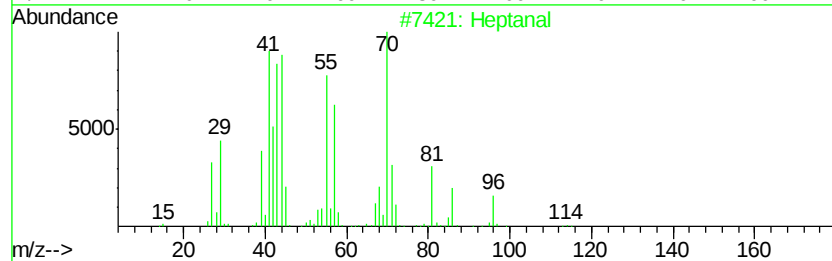
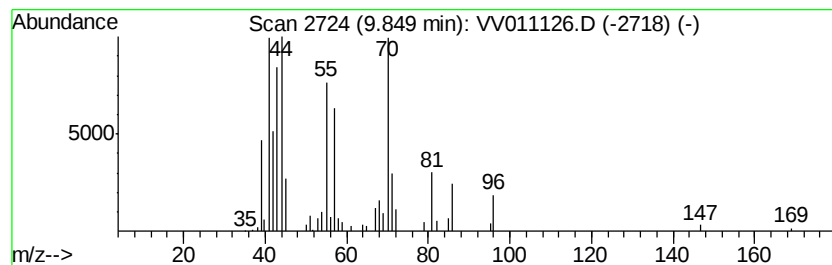
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 6 Heptanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.06 ug/L	49678	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal		114	C7H14O	000111-71-7	91
2	Heptanal		114	C7H14O	000111-71-7	80
3	Heptanal		114	C7H14O	000111-71-7	72
4	Heptanal		114	C7H14O	000111-71-7	64
5	Heptanal		114	C7H14O	000111-71-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

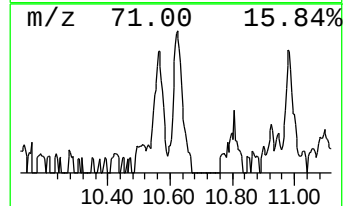
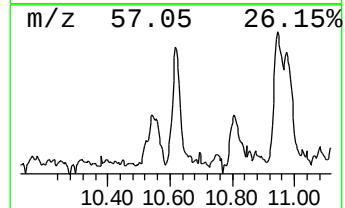
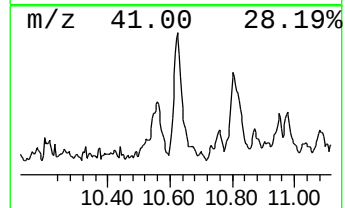
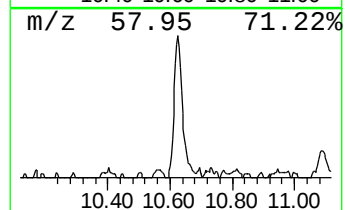
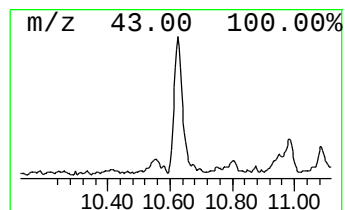
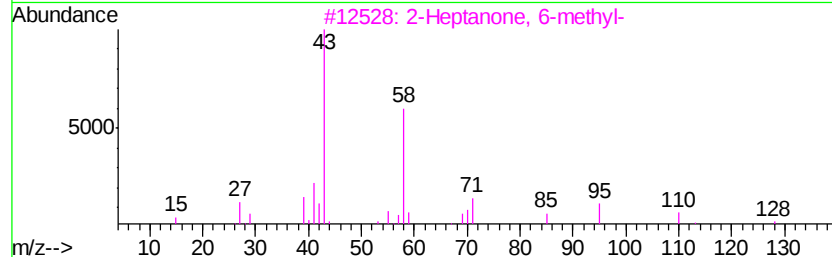
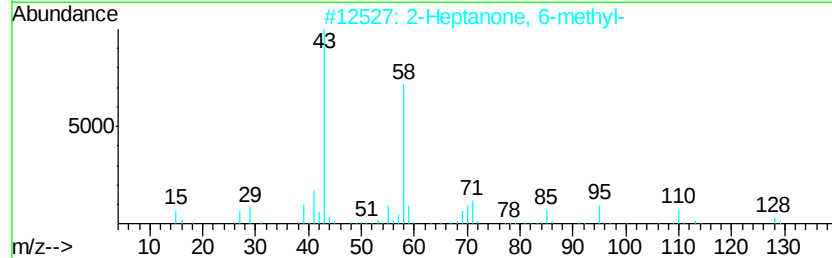
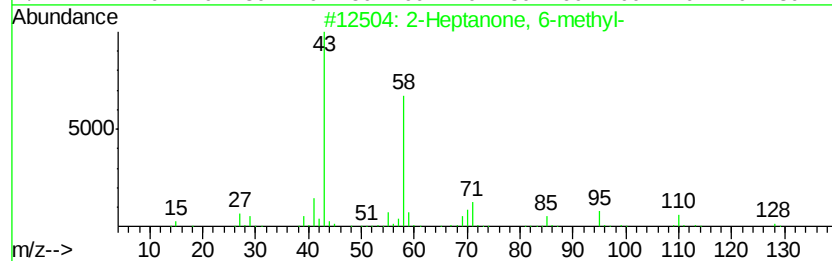
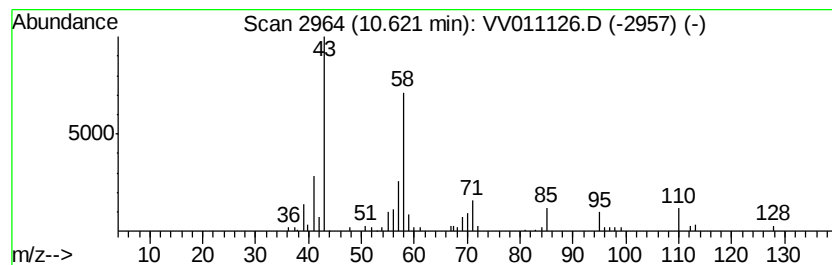
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 7 2-Heptanone, 6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	3.44 ug/L	40696	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	87
2		2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	83
3		2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72
4		2-Isopropyl-5-oxohexanal	156	C9H16O2	015303-46-5	59
5		2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

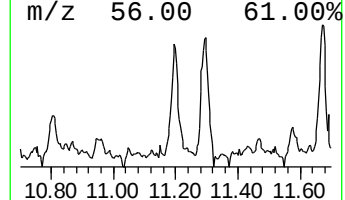
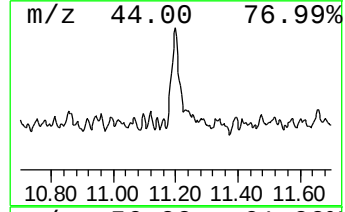
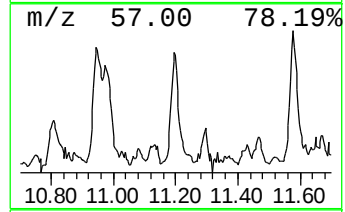
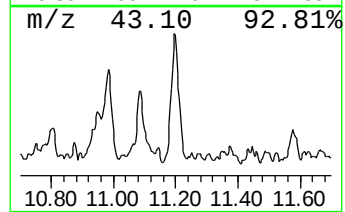
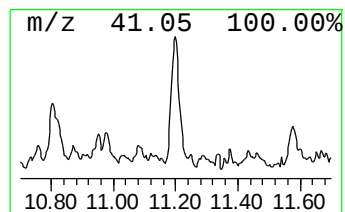
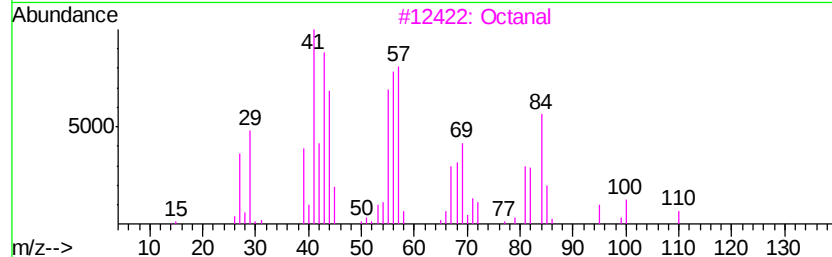
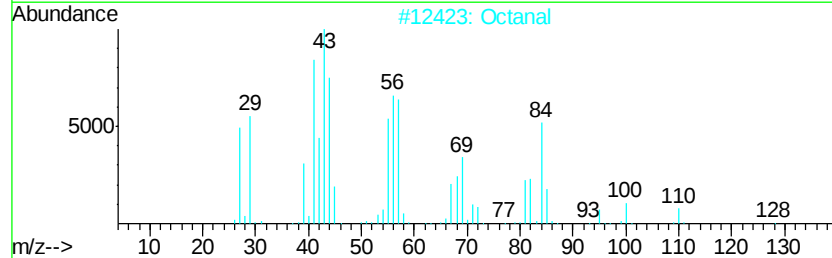
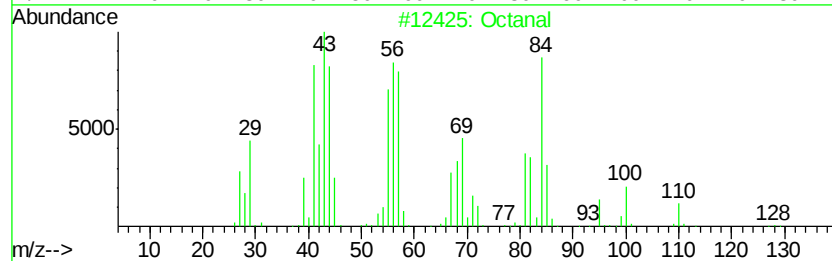
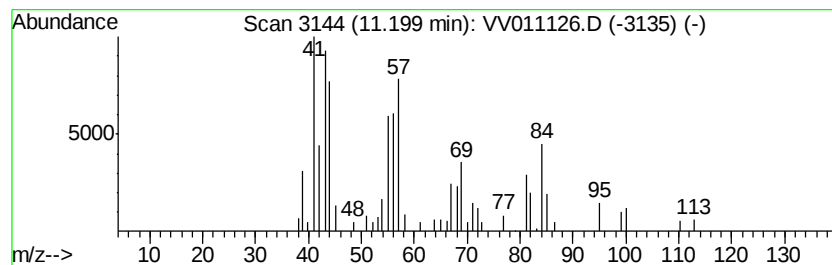
Instrument :
MSVOA_V
ClientSampled :
A51E9

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 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.00 ug/L	35471	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octanal		128 C8H16O	000124-13-0 86
2	Octanal		128 C8H16O	000124-13-0 72
3	Octanal		128 C8H16O	000124-13-0 64
4	Octanal		128 C8H16O	000124-13-0 59
5	Piperazine, 2-methyl-		100 C5H12N2	000109-07-9 49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

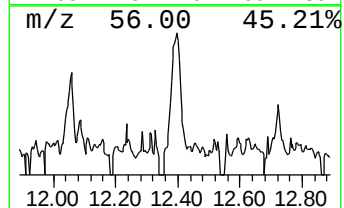
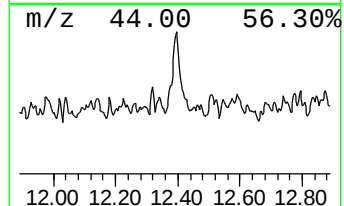
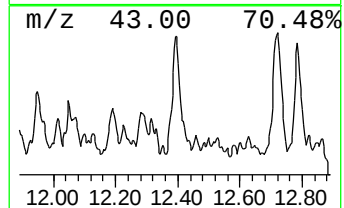
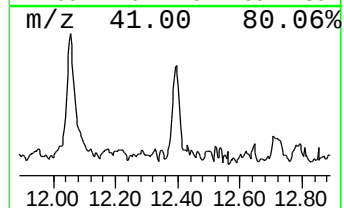
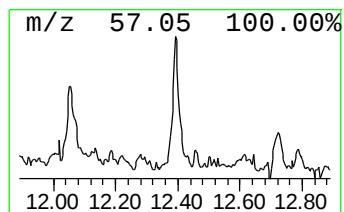
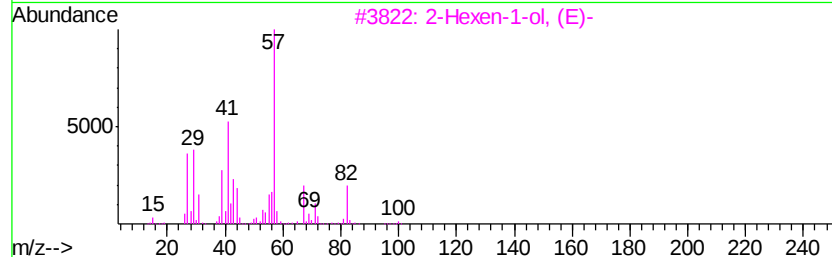
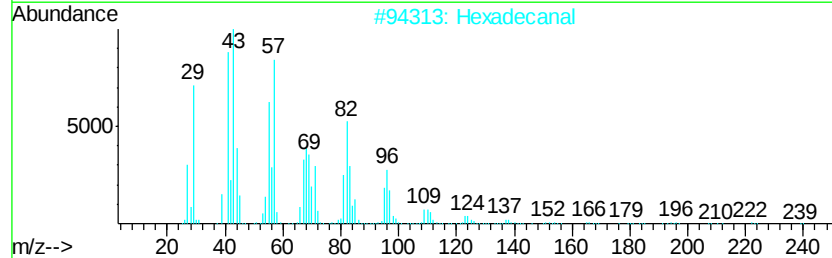
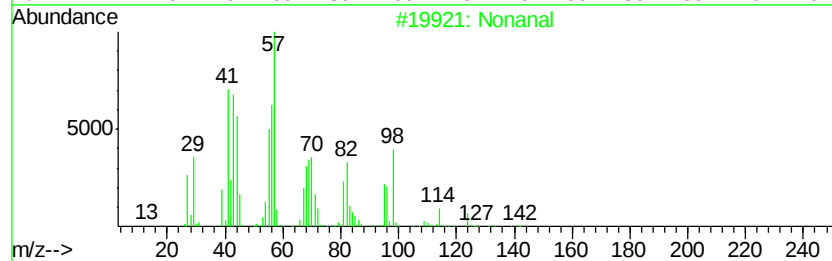
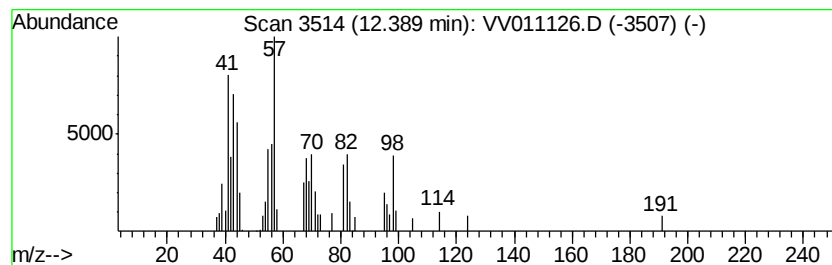
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

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

Peak Number 9 Nonanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.99 ug/L	23570	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanal	142	C9H18O	000124-19-6	53
2		Hexadecanal	240	C16H32O	000629-80-1	27
3		2-Hexen-1-ol, (E)-	100	C6H12O	000928-95-0	27
4		Oxirane, octyl-	156	C10H20O	002404-44-6	27
5		Cyclohexanol, 2-methyl-	114	C7H14O	000583-59-5	25



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011126.D
Acq On : 30 May 2019 02:06
Operator : SY/MD
Sample : K3017-16
Misc : 4.21G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E9

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	3.74	2.8	ug/L	64761	1	5.66	586086	25.0
Pentanal	6.32	8.3	ug/L	194016	1	5.66	586086	25.0
Hexanal	8.28	36.3	ug/L	875985	2	8.89	603468	25.0
Heptanal	9.85	2.1	ug/L	49678	2	8.89	603468	25.0
2-Heptanone, 6-me...	10.62	3.4	ug/L	40696	3	11.30	295648	25.0
Octanal	11.20	3.0	ug/L	35471	3	11.30	295648	25.0
Nonanal	12.39	2.0	ug/L	23570	3	11.30	295648	25.0