

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008674.D
 Acq On : 20 Nov 2018 15:28
 Operator : SY/MD
 Sample : J5997-03 50X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA3

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\SOMVLM112018WMA.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	1.319	65	71	87	rVB	130900	148280	0.28%	0.210%
2	1.566	143	148	165	rVB	82753	103632	0.19%	0.147%
3	2.126	312	322	333	rBV	231358	323582	0.60%	0.458%
4	2.196	336	344	357	rVB	25442	40176	0.07%	0.057%
5	2.312	374	380	389	rVB4	1386	2044	0.00%	0.003%
6	2.537	442	450	457	rBV2	2339	3537	0.01%	0.005%
7	2.650	476	485	493	rBV4	1029	2075	0.00%	0.003%
8	2.795	526	530	535	rVB3	754	818	0.00%	0.001%
9	2.971	578	585	589	rBV	273	392	0.00%	0.001%
10	3.081	616	619	623	rVB	472	324	0.00%	0.000%
11	3.225	656	664	673	rBV4	1480	2574	0.00%	0.004%
12	3.801	835	843	846	rBV2	1257	1413	0.00%	0.002%
13	3.939	872	886	912	rBV2	80533	256645	0.48%	0.363%
14	4.402	1012	1030	1052	rBV	171572	418542	0.78%	0.592%
15	4.724	1115	1130	1145	rBV5	15132	38511	0.07%	0.054%
16	4.782	1145	1148	1150	rBV2	613	442	0.00%	0.001%
17	4.814	1150	1158	1169	rVB6	2191	4908	0.01%	0.007%
18	4.952	1189	1201	1203	rBV3	4448	6093	0.01%	0.009%
19	5.093	1227	1245	1268	rBV3	445683	1099930	2.04%	1.556%
20	5.219	1277	1284	1298	rVB4	10499	21343	0.04%	0.030%
21	5.299	1298	1309	1320	rVV3	10460	20782	0.04%	0.029%
22	5.370	1320	1331	1346	rVB5	16841	36178	0.07%	0.051%
23	5.531	1370	1381	1395	rBV6	4753	10342	0.02%	0.015%
24	5.663	1402	1422	1444	rBV	342356	672562	1.25%	0.951%
25	5.891	1489	1493	1498	rBV3	504	426	0.00%	0.001%
26	5.946	1501	1510	1521	rBV8	3648	7415	0.01%	0.010%
27	6.032	1535	1537	1542	rVB3	483	324	0.00%	0.000%
28	6.119	1547	1564	1573	rBV	242901	488294	0.91%	0.691%
29	6.177	1575	1582	1598	rVB2	137208	269215	0.50%	0.381%
30	6.409	1643	1654	1667	rVB5	5399	10750	0.02%	0.015%
31	6.499	1676	1682	1683	rBV3	1781	1564	0.00%	0.002%
32	6.563	1697	1702	1705	rBV2	371	403	0.00%	0.001%
33	6.582	1705	1708	1713	rVB2	382	326	0.00%	0.000%
34	6.672	1726	1736	1746	rBV7	2581	5263	0.01%	0.007%

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 Title : VOC Analysis

35	6.917	1809	1812	1816	rBV2	398	331	0.00%	0.000%
36	7.032	1835	1848	1874	rVV	127352	227606	0.42%	0.322%
37	7.228	1904	1909	1913	rVB4	681	701	0.00%	0.001%
38	7.309	1918	1934	1938	rVV8	5220	9126	0.02%	0.013%
39	7.363	1938	1951	1960	rVV	503974	900809	1.67%	1.274%
40	7.441	1960	1975	2035	rVV2	27343165	53892142	100.00%	76.234%
41	7.666	2037	2045	2066	rVB	89436	163967	0.30%	0.232%
42	7.833	2090	2097	2102	rVV4	2518	3532	0.01%	0.005%
43	7.978	2138	2142	2146	rVV3	775	880	0.00%	0.001%
44	8.019	2150	2155	2161	rVB5	1580	1862	0.00%	0.003%
45	8.071	2168	2171	2177	rBV3	505	620	0.00%	0.001%
46	8.135	2177	2191	2216	rBV	284793	508502	0.94%	0.719%
47	8.331	2244	2252	2263	rVB4	5600	9867	0.02%	0.014%
48	8.383	2263	2268	2270	rBV	446	393	0.00%	0.001%
49	8.402	2272	2274	2278	rVB3	812	462	0.00%	0.001%
50	8.457	2284	2291	2293	rBV5	1123	1294	0.00%	0.002%
51	8.624	2339	2343	2348	rVB3	451	357	0.00%	0.001%
52	8.897	2415	2428	2447	rBV	491536	794377	1.47%	1.124%
53	9.058	2465	2478	2502	rBV	900784	1425691	2.65%	2.017%
54	9.180	2502	2516	2549	rVB	2690476	4332417	8.04%	6.129%
55	9.357	2568	2571	2578	rVB2	434	439	0.00%	0.001%
56	9.421	2586	2591	2598	rBV3	605	789	0.00%	0.001%
57	9.495	2611	2614	2618	rVV3	440	409	0.00%	0.001%
58	9.588	2628	2643	2682	rBV	885719	1378031	2.56%	1.949%
59	9.759	2694	2696	2701	rBV2	471	334	0.00%	0.000%
60	9.804	2706	2710	2719	rVB2	403	553	0.00%	0.001%
61	9.978	2754	2764	2777	rBV3	27544	42062	0.08%	0.059%
62	10.264	2836	2853	2875	rBV	302229	476907	0.88%	0.675%
63	10.399	2881	2895	2906	rBV	35836	55040	0.10%	0.078%
64	10.495	2913	2925	2943	rBV	88679	190408	0.35%	0.269%
65	10.585	2944	2953	2965	rVB	49627	73468	0.14%	0.104%
66	10.743	2992	3002	3008	rVV	30174	45970	0.09%	0.065%
67	10.785	3008	3015	3027	rVB	43997	67454	0.13%	0.095%
68	10.871	3040	3042	3048	rVB3	447	429	0.00%	0.001%
69	10.904	3048	3052	3053	rBV	849	479	0.00%	0.001%
70	10.961	3059	3070	3088	rVB	155674	233888	0.43%	0.331%
71	11.068	3095	3103	3111	rBV5	2865	4496	0.01%	0.006%

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72	11.100	3111	3113	3116	rVV4	1172	971	0.00%	0.001%
73	11.135	3118	3124	3135	rVB2	3284	4479	0.01%	0.006%
74	11.238	3144	3156	3163	rBV4	10700	17621	0.03%	0.025%
75	11.296	3163	3174	3191	rVV	489435	768182	1.43%	1.087%
76	11.383	3192	3201	3217	rVB	72221	109629	0.20%	0.155%
77	11.502	3231	3238	3245	rBV4	1581	2077	0.00%	0.003%
78	11.579	3253	3262	3271	rBV5	12573	24170	0.04%	0.034%
79	11.675	3280	3292	3319	rVB	469936	772482	1.43%	1.093%
80	11.794	3322	3329	3336	rVB3	2259	2987	0.01%	0.004%
81	11.868	3342	3352	3363	rVB3	4626	6936	0.01%	0.010%
82	11.916	3363	3367	3371	rBV2	389	325	0.00%	0.000%
83	11.958	3371	3380	3385	rBV2	8039	11297	0.02%	0.016%
84	11.990	3386	3390	3399	rVB2	7587	9582	0.02%	0.014%
85	12.064	3404	3413	3419	rBV3	8983	12471	0.02%	0.018%
86	12.167	3436	3445	3464	rBV3	9204	19143	0.04%	0.027%
87	12.363	3494	3506	3515	rBV	6315	9068	0.02%	0.013%
88	12.463	3529	3537	3545	rBV5	3691	5311	0.01%	0.008%
89	12.518	3545	3554	3561	rVB2	8490	11502	0.02%	0.016%
90	12.579	3571	3573	3576	rBV2	450	310	0.00%	0.000%
91	12.698	3604	3610	3618	rVB5	1356	1733	0.00%	0.002%
92	12.778	3630	3635	3645	rVB6	1821	2535	0.00%	0.004%
93	12.929	3674	3682	3695	rVB4	14629	22048	0.04%	0.031%
94	13.100	3725	3735	3745	rBV3	11916	17067	0.03%	0.024%
95	13.312	3794	3801	3803	rBV7	1168	1436	0.00%	0.002%
96	13.553	3868	3876	3888	rBV2	7959	12306	0.02%	0.017%
97	13.797	3947	3952	3953	rBV2	898	706	0.00%	0.001%
98	14.624	4207	4209	4214	rVB3	463	370	0.00%	0.001%
99	15.321	4424	4426	4430	rVB3	597	400	0.00%	0.001%
100	15.418	4454	4456	4458	rBV2	713	456	0.00%	0.001%

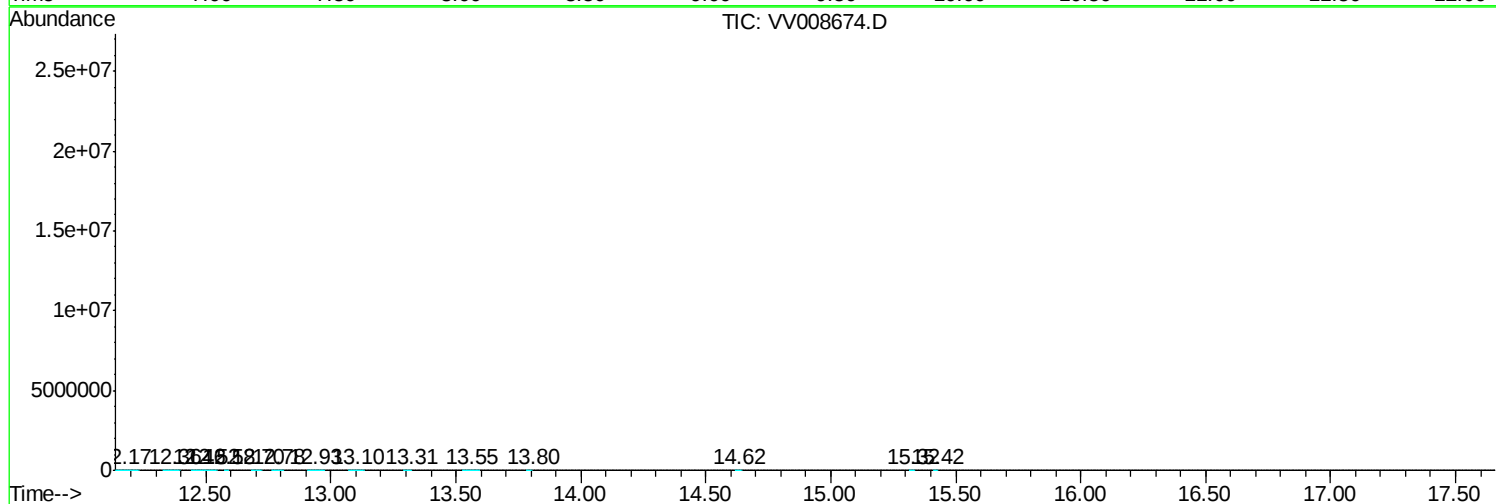
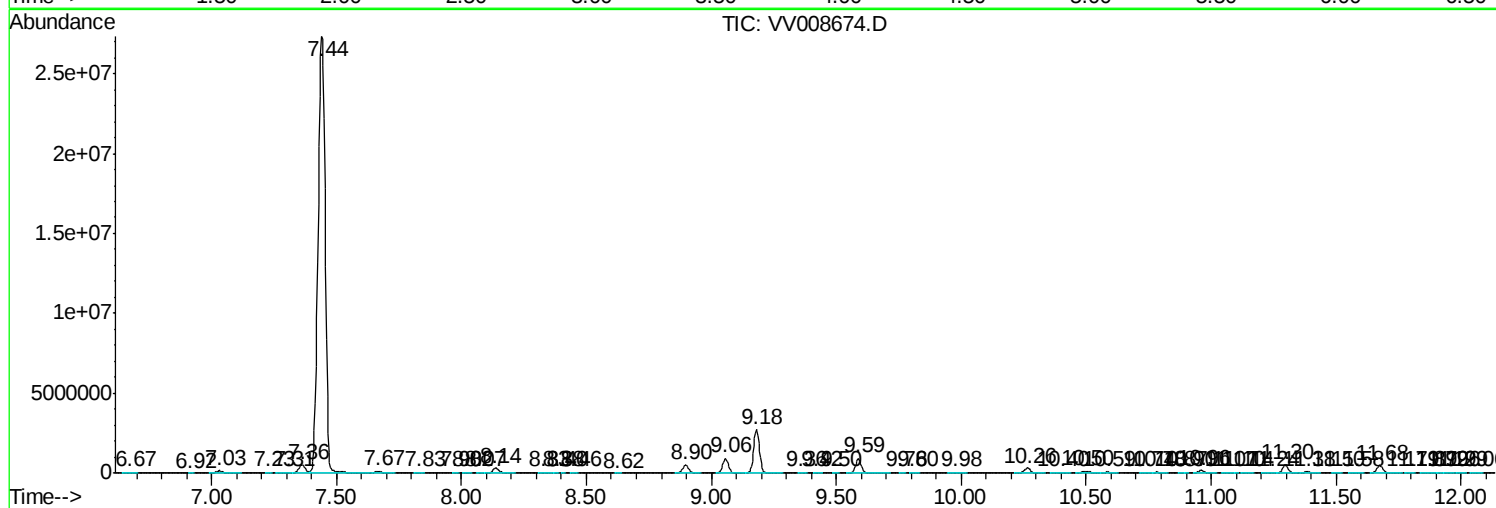
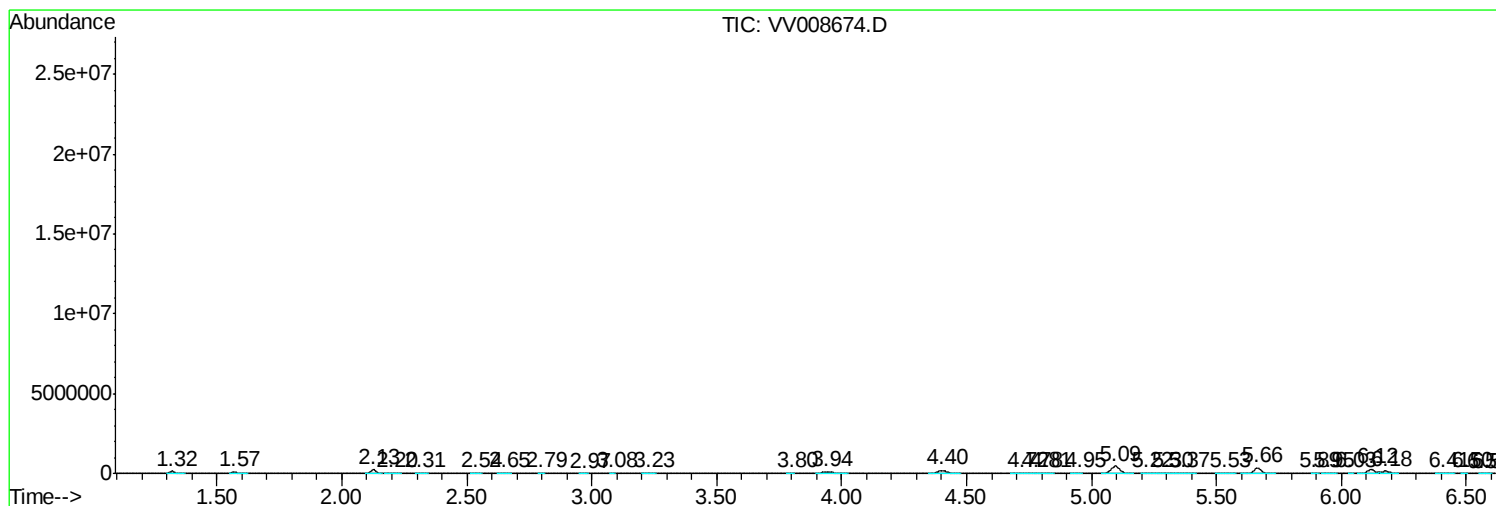
Sum of corrected areas: 70692797

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Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.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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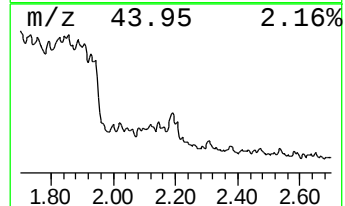
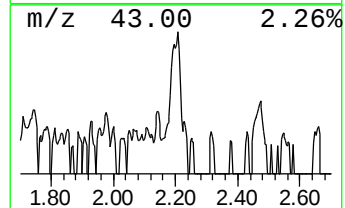
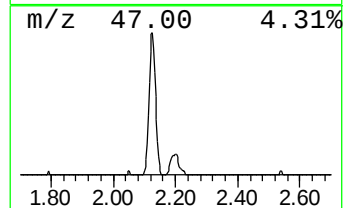
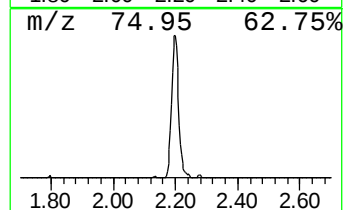
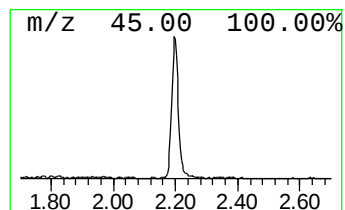
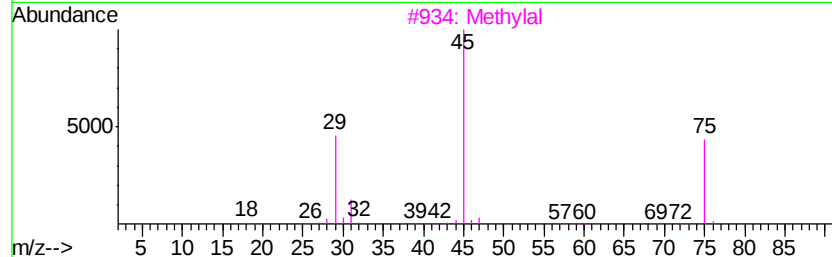
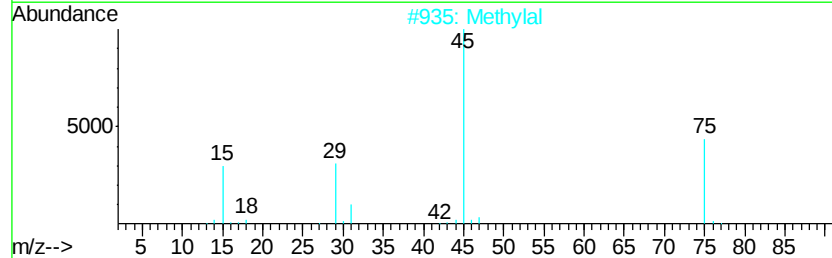
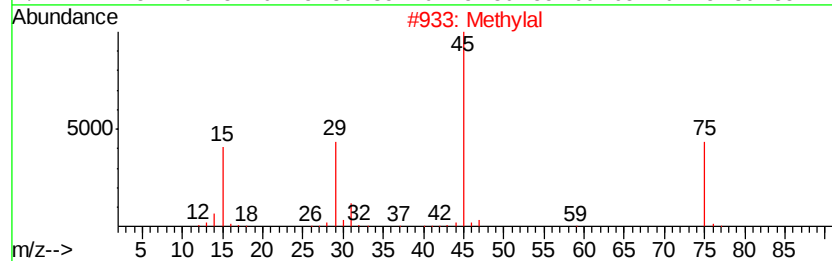
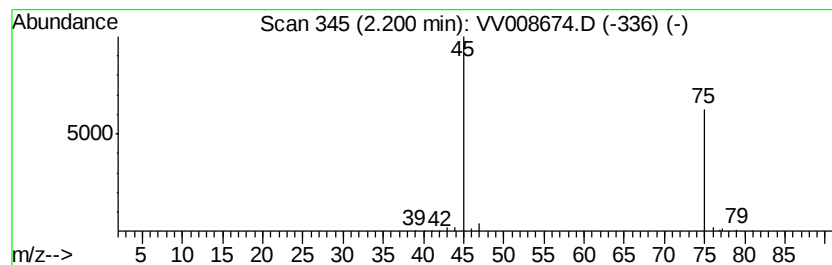
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 Methylal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.20	2.99 ug/L	40176	1,4-Difluorobenzene	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal		76	C3H8O2	000109-87-5	90
2	Methylal		76	C3H8O2	000109-87-5	78
3	Methylal		76	C3H8O2	000109-87-5	78
4	Ethanethioamide		75	C2H5NS	000062-55-5	9
5	Methanamine, N,N-dimethyl-, N-oxide		75	C3H9NO	001184-78-7	9



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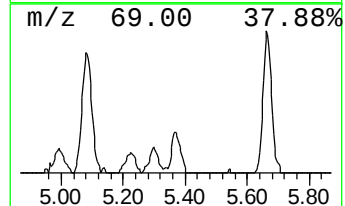
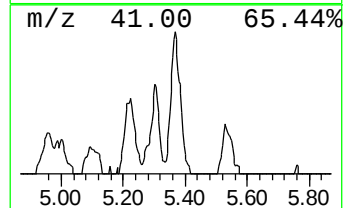
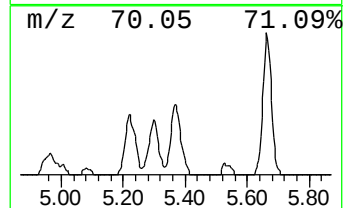
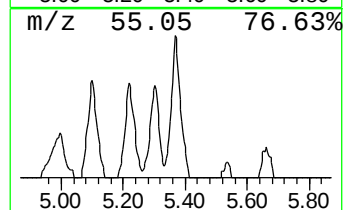
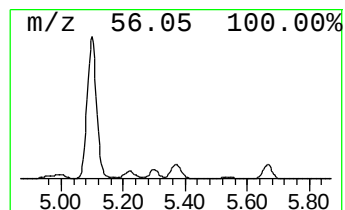
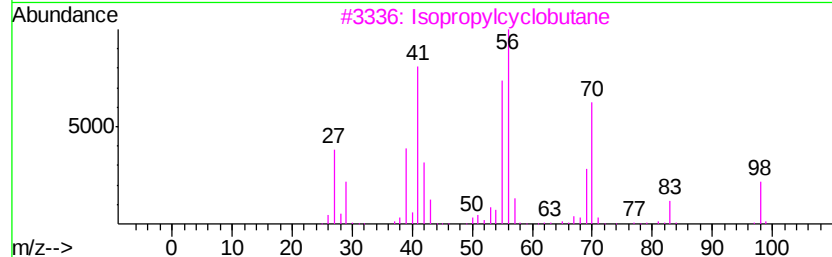
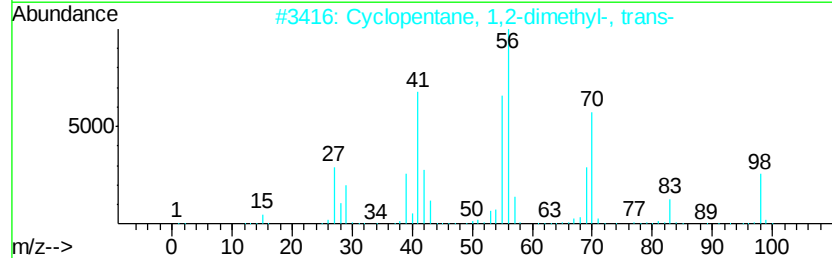
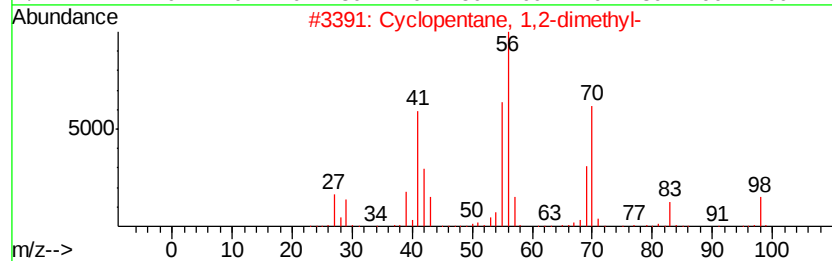
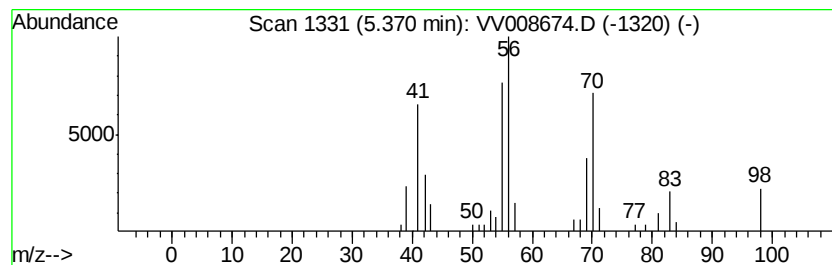
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TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Cyclic5.37 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.37	2.69 ug/L	36178	1,4-Difluorobenzene	5.66	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
3	Isopropylcyclobutane	98	C7H14	000872-56-0	87
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83
5	1-Heptene	98	C7H14	000592-76-7	76



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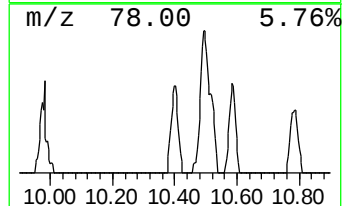
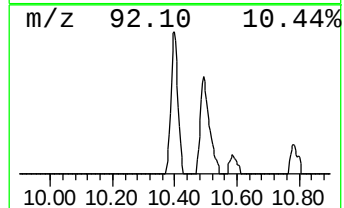
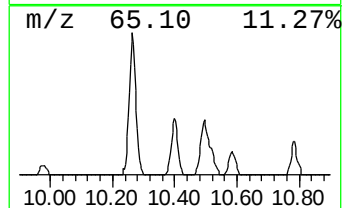
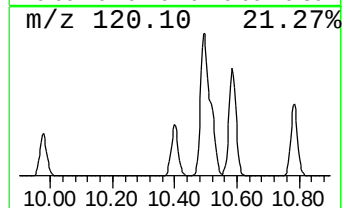
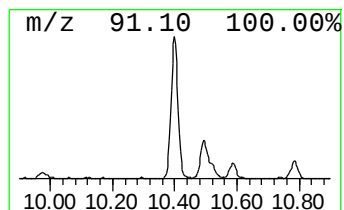
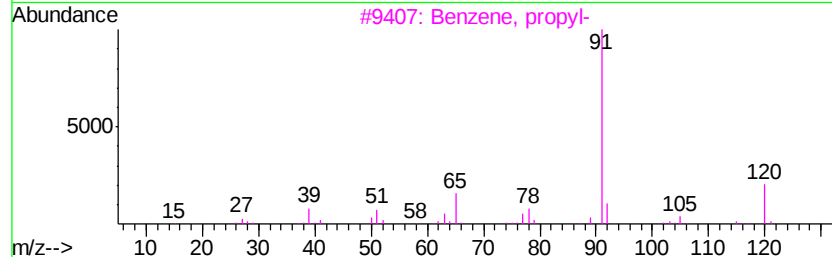
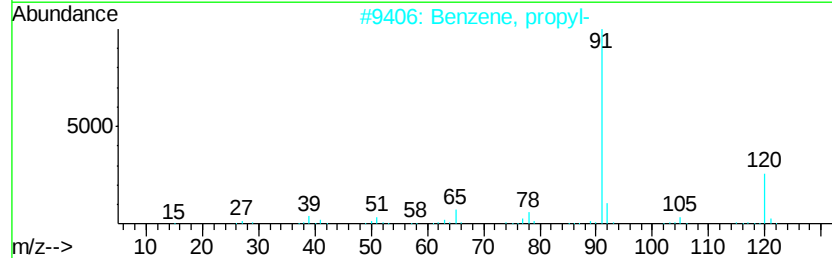
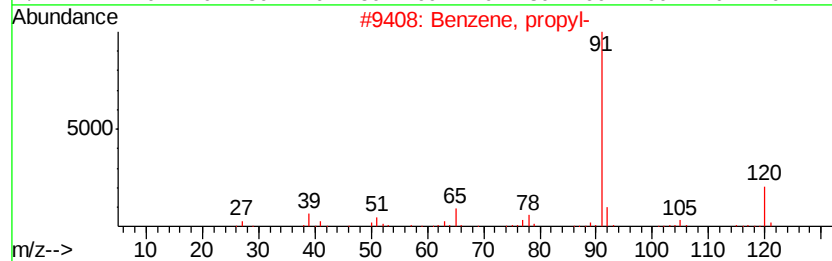
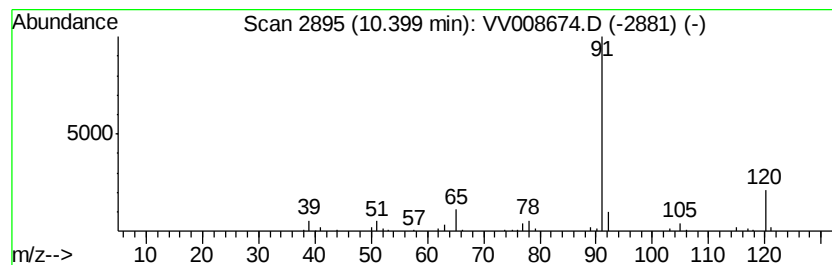
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Quant Title : VOC Analysis

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

Peak Number 4 Benzene, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	3.58 ug/L	55040	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	90
2		Benzene, propyl-	120	C9H12	000103-65-1	87
3		Benzene, propyl-	120	C9H12	000103-65-1	81
4		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
Data File : VV008674.D
Acq On : 20 Nov 2018 15:28
Operator : SY/MD
Sample : J5997-03 50X
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

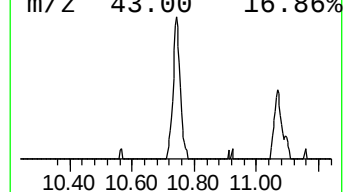
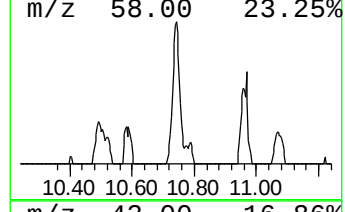
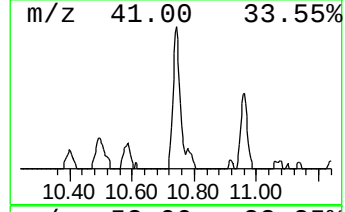
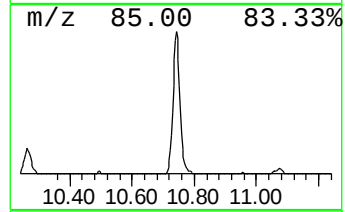
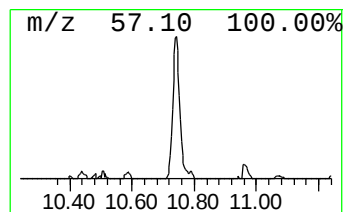
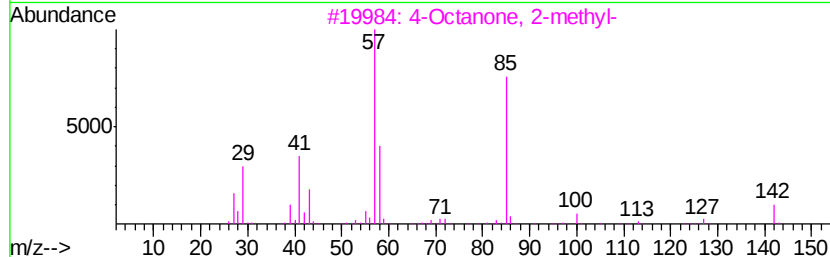
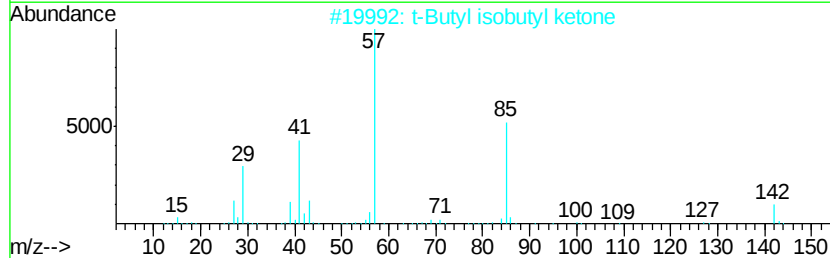
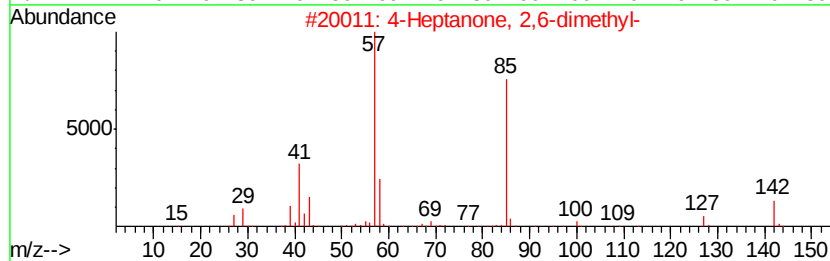
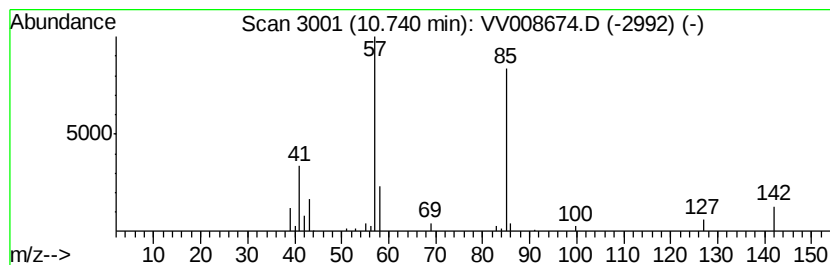
Instrument :
MSVOA_V
ClientSampleId :
E3YA3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis

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

Peak Number 7 4-Heptanone, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	2.99 ug/L	45970	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4-Heptanone, 2,6-dimethyl-	142 C9H18O	000108-83-8	91
2	t-Butyl isobutyl ketone	142 C9H18O	014705-50-1	64
3	4-Octanone, 2-methyl-	142 C9H18O	007492-38-8	64
4	5-Nonanone	142 C9H18O	000502-56-7	59
5	5-Nonanone	142 C9H18O	000502-56-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
Data File : VV008674.D
Acq On : 20 Nov 2018 15:28
Operator : SY/MD
Sample : J5997-03 50X
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E3YA3

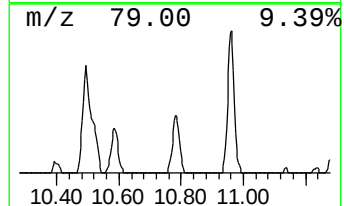
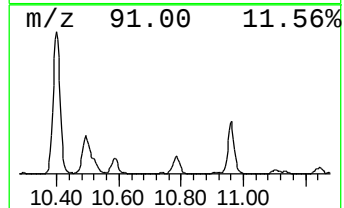
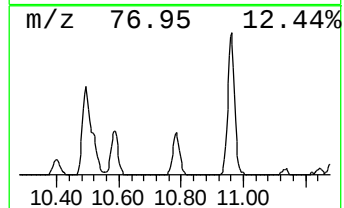
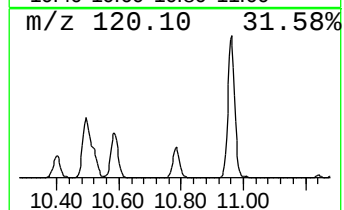
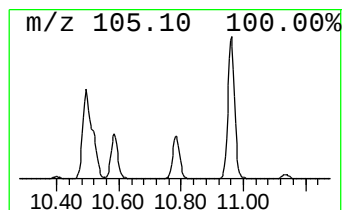
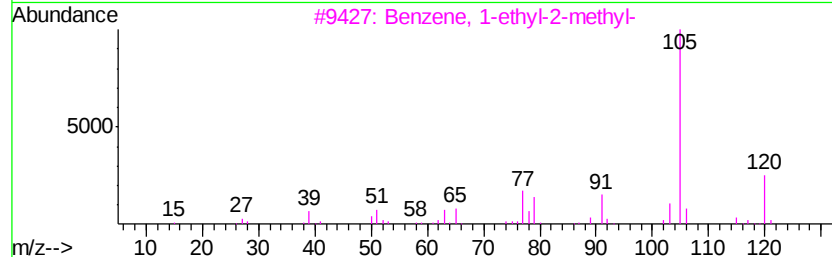
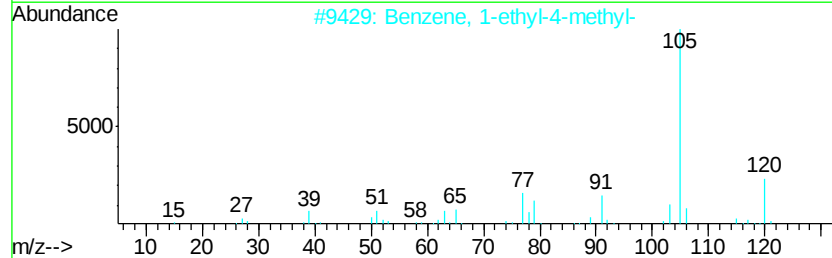
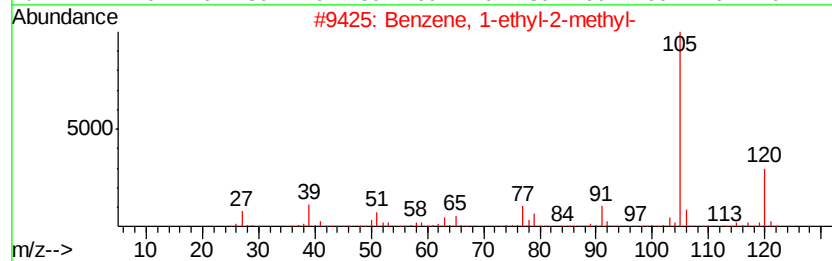
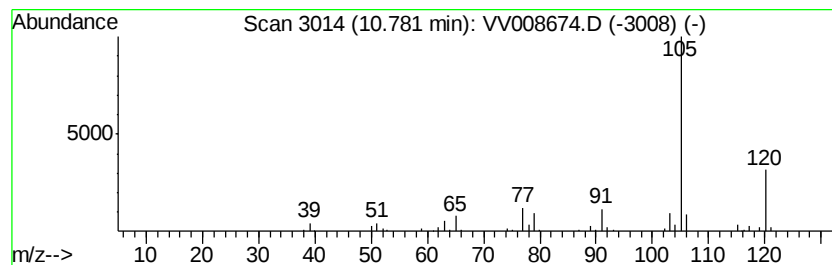
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	4.39 ug/L	67454	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
Data File : VV008674.D
Acq On : 20 Nov 2018 15:28
Operator : SY/MD
Sample : J5997-03 50X
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E3YA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.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
Methylal	2.20	3.0	ug/L	40176	1	5.66	672562	50.0
(DEL) Alkane: Cyc...	5.37	2.7	ug/L	36178	1	5.66	672562	50.0
Benzene, propyl-	10.40	3.6	ug/L	55040	3	11.30	768182	50.0
Benzene, 1,2,3-tr...	10.59	4.8	ug/L	73468	3	11.30	768182	50.0
4-Heptanone, 2,6-...	10.74	3.0	ug/L	45970	3	11.30	768182	50.0
Benzene, 1-ethyl-...	10.78	4.4	ug/L	67454	3	11.30	768182	50.0