

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121620\
 Data File : VU041663.D
 Acq On : 16 Dec 2020 12:05
 Operator : SY/MD
 Sample : L4958-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 X2S35

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_U\METHOD\SFAMULM121620WMA.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	1.610	75	84	99	rVB2	434720	497598	28.63%	1.954%
2	1.800	136	143	154	rBV	110850	127384	7.33%	0.500%
3	1.887	162	170	174	rBV	64580	80486	4.63%	0.316%
4	1.919	175	180	193	rVB	123741	149040	8.57%	0.585%
5	2.141	239	249	268	rVB	400592	582984	33.54%	2.290%
6	2.584	371	387	398	rBV3	491634	962981	55.40%	3.782%
7	2.652	398	408	427	rVV	708113	1226740	70.57%	4.818%
8	2.748	429	438	451	rVB	121142	203177	11.69%	0.798%
9	2.964	496	505	515	rVB2	2792	4866	0.28%	0.019%
10	3.060	525	535	544	rVB3	1489	2277	0.13%	0.009%
11	3.198	566	578	596	rBV	4799	10741	0.62%	0.042%
12	3.308	610	612	615	rVB	295	174	0.01%	0.001%
13	3.375	615	633	656	rBV	400414	912973	52.52%	3.586%
14	3.584	696	698	700	rBV	247	162	0.01%	0.001%
15	3.642	712	716	718	rBV	181	173	0.01%	0.001%
16	3.713	726	738	746	rBV5	1664	3354	0.19%	0.013%
17	3.845	776	779	783	rBB	168	170	0.01%	0.001%
18	3.893	784	794	799	rBV2	469	876	0.05%	0.003%
19	3.928	802	805	808	rBB	153	125	0.01%	0.000%
20	3.960	811	815	821	rBV	192	297	0.02%	0.001%
21	4.099	855	858	863	rBV	200	226	0.01%	0.001%
22	4.227	894	898	900	rBB	183	118	0.01%	0.000%
23	4.456	966	969	971	rBV	176	138	0.01%	0.001%
24	4.587	1007	1010	1012	rBV	191	158	0.01%	0.001%
25	4.677	1012	1038	1071	rVV2	173897	618886	35.60%	2.431%
26	4.986	1130	1134	1135	rBV2	483	362	0.02%	0.001%
27	5.076	1146	1162	1183	rBV	182976	397729	22.88%	1.562%
28	5.192	1195	1198	1199	rBV	329	208	0.01%	0.001%
29	5.292	1226	1229	1230	rBV	515	284	0.02%	0.001%
30	5.375	1250	1255	1257	rVV2	181	195	0.01%	0.001%
31	5.436	1270	1274	1277	rBV	142	171	0.01%	0.001%
32	5.575	1313	1317	1320	rBB	153	145	0.01%	0.001%
33	5.739	1344	1368	1377	rBV2	389974	1055138	60.70%	4.144%
34	5.996	1446	1448	1451	rBV2	253	184	0.01%	0.001%

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Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Title : VOC Analysis

35	6.105	1480	1482	1484	rVB	229	112	0.01%	0.000%
36	6.150	1494	1496	1497	rBV	247	127	0.01%	0.000%
37	6.169	1499	1502	1505	rVV	449	365	0.02%	0.001%
38	6.259	1514	1530	1552	rBV	343767	645673	37.14%	2.536%
39	6.443	1585	1587	1590	rBB2	279	197	0.01%	0.001%
40	6.465	1591	1594	1596	rBB2	241	156	0.01%	0.001%
41	6.552	1606	1621	1647	rBV	409800	765721	44.05%	3.007%
42	6.700	1653	1667	1677	rBV	232082	441789	25.42%	1.735%
43	6.771	1678	1689	1719	rVB2	722151	1590324	91.49%	6.246%
44	6.928	1732	1738	1739	rBV2	425	416	0.02%	0.002%
45	6.941	1740	1742	1750	rVB3	564	650	0.04%	0.003%
46	6.989	1755	1757	1760	rVB	260	122	0.01%	0.000%
47	7.054	1775	1777	1780	rBB	213	139	0.01%	0.001%
48	7.198	1814	1822	1826	rBV4	1389	1642	0.09%	0.006%
49	7.282	1843	1848	1850	rBV	264	235	0.01%	0.001%
50	7.333	1862	1864	1866	rBV	165	114	0.01%	0.000%
51	7.378	1874	1878	1884	rVB	408	395	0.02%	0.002%
52	7.446	1893	1899	1900	rBV	829	728	0.04%	0.003%
53	7.523	1920	1923	1925	rBV	186	164	0.01%	0.001%
54	7.571	1925	1938	1958	rVV	139483	239690	13.79%	0.941%
55	7.687	1969	1974	1979	rBV2	407	504	0.03%	0.002%
56	7.800	1994	2009	2028	rBV	561023	1081032	62.19%	4.246%
57	7.902	2029	2041	2060	rVB	513485	880492	50.65%	3.458%
58	8.018	2075	2077	2078	rBV	340	141	0.01%	0.001%
59	8.108	2100	2105	2112	rBV3	696	772	0.04%	0.003%
60	8.182	2116	2128	2154	rBV	98737	170106	9.79%	0.668%
61	8.404	2182	2197	2214	rBV	188650	320744	18.45%	1.260%
62	8.555	2231	2244	2257	rBV	351625	583596	33.57%	2.292%
63	8.642	2259	2271	2279	rBV	334660	615342	35.40%	2.417%
64	8.812	2313	2324	2339	rVB	161437	270228	15.55%	1.061%
65	8.925	2346	2359	2383	rBV	377774	647992	37.28%	2.545%
66	9.140	2421	2426	2429	rBV	286	277	0.02%	0.001%
67	9.417	2497	2512	2534	rBV	463714	759630	43.70%	2.983%
68	9.571	2546	2560	2579	rBV	900491	1434437	82.52%	5.633%
69	9.693	2591	2598	2607	rVB3	5122	7645	0.44%	0.030%
70	9.909	2657	2665	2667	rBV	223	340	0.02%	0.001%
71	10.098	2711	2724	2739	rBV	369846	593159	34.12%	2.330%

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72	10.481	2830	2843	2867	rBV	1073928	1673339	96.27%	6.572%
73	10.561	2867	2868	2871	rBV	321	131	0.01%	0.001%
74	10.754	2915	2928	2943	rBV	341909	555807	31.97%	2.183%
75	10.973	2987	2996	3007	rVB3	8171	13503	0.78%	0.053%
76	11.108	3026	3038	3051	rBV	290458	412169	23.71%	1.619%
77	11.282	3087	3092	3097	rBV6	1720	1784	0.10%	0.007%
78	11.330	3098	3107	3122	rVB	28426	45884	2.64%	0.180%
79	11.410	3131	3132	3136	rVB	452	189	0.01%	0.001%
80	11.459	3144	3147	3155	rVB2	923	1042	0.06%	0.004%
81	11.619	3189	3197	3205	rVB6	1733	2760	0.16%	0.011%
82	11.677	3205	3215	3222	rBV2	9028	13882	0.80%	0.055%
83	11.741	3222	3235	3245	rVV	597830	939717	54.06%	3.691%
84	11.806	3245	3255	3273	rVB	480992	770106	44.30%	3.024%
85	11.986	3303	3311	3312	rBV4	8369	9078	0.52%	0.036%
86	12.063	3333	3335	3338	rVB	382	225	0.01%	0.001%
87	12.195	3361	3376	3392	rBV3	917032	1738257	100.00%	6.827%
88	12.320	3406	3415	3421	rBV4	5004	8780	0.51%	0.034%
89	12.487	3463	3467	3471	rVB3	629	422	0.02%	0.002%
90	12.597	3498	3501	3504	rBV	357	256	0.01%	0.001%
91	12.989	3619	3623	3631	rVB4	889	1012	0.06%	0.004%
92	13.050	3640	3642	3644	rBV	250	150	0.01%	0.001%
93	13.208	3679	3691	3706	rBV	473505	733857	42.22%	2.882%
94	13.317	3717	3725	3734	rBV2	6279	9598	0.55%	0.038%
95	13.532	3784	3792	3804	rBV3	16695	23347	1.34%	0.092%
96	13.629	3815	3822	3828	rBV2	1942	2315	0.13%	0.009%
97	13.828	3871	3884	3898	rBV	370106	581149	33.43%	2.282%
98	13.905	3900	3908	3916	rVB5	6410	8431	0.49%	0.033%
99	14.073	3952	3960	3970	rVB2	7028	10864	0.62%	0.043%
100	14.317	4028	4036	4045	rBV3	6660	8898	0.51%	0.035%

Sum of corrected areas: 25462668

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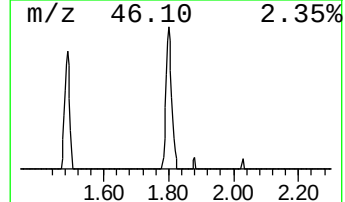
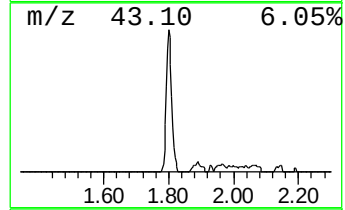
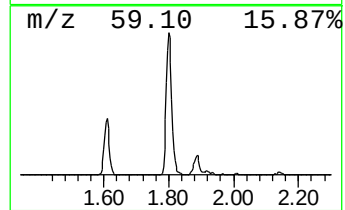
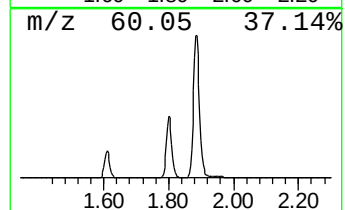
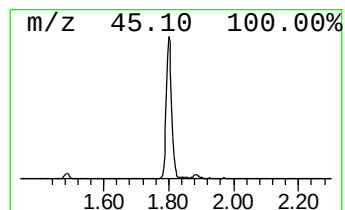
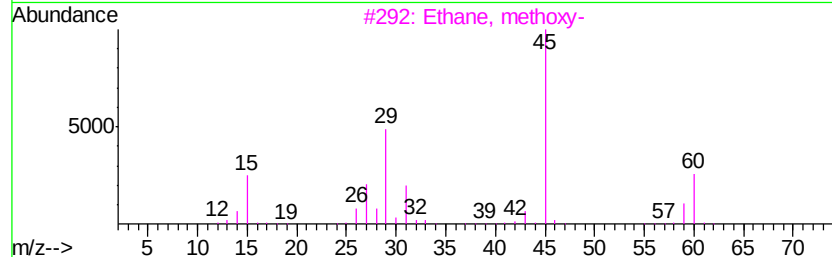
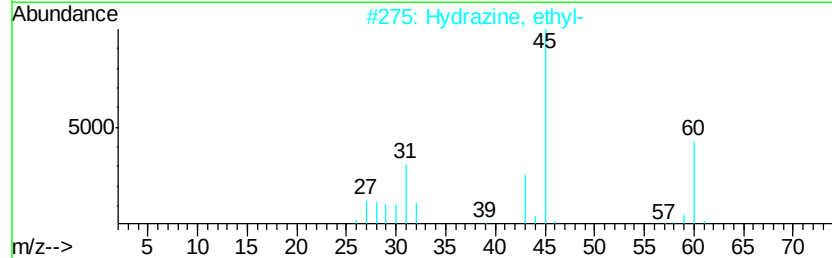
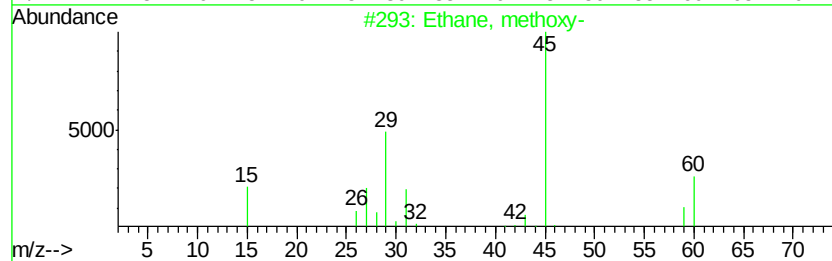
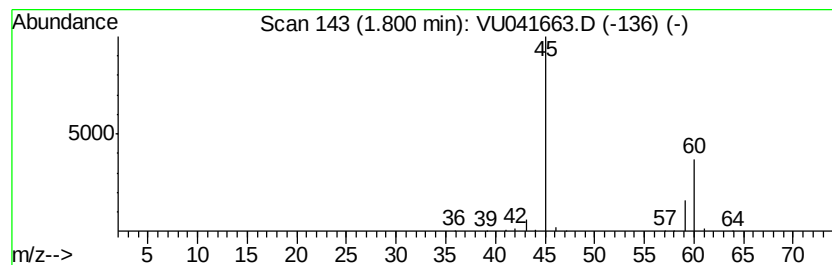
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 Ethane, methoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.80	9.86 ug/L	127384	1,4-Difluorobenzene	6.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethane, methoxy-	60	C3H8O	000540-67-0	72
2			Hydrazine, ethyl-	60	C2H8N2	000624-80-6	72
3			Ethane, methoxy-	60	C3H8O	000540-67-0	9
4			2-Butanol, (R)-	74	C4H10O	014898-79-4	9
5			Thiirane	60	C2H4S	000420-12-2	4



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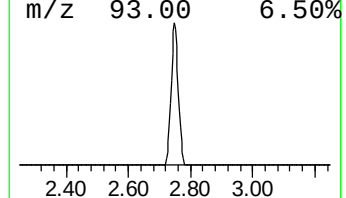
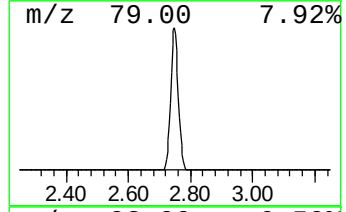
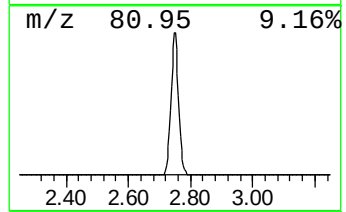
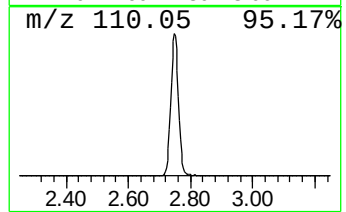
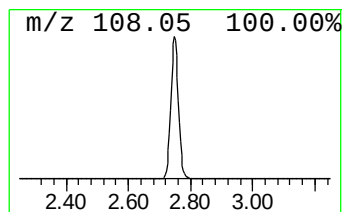
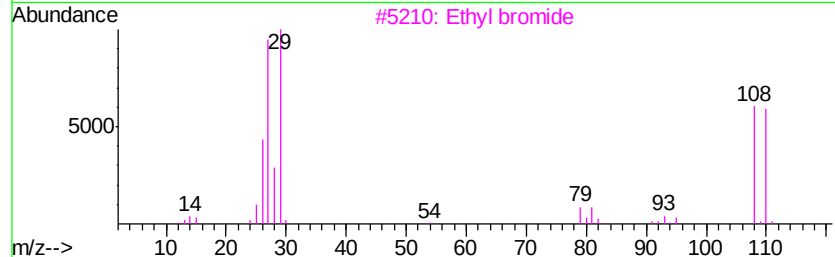
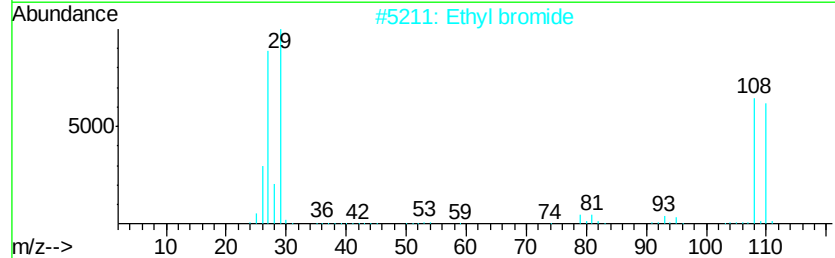
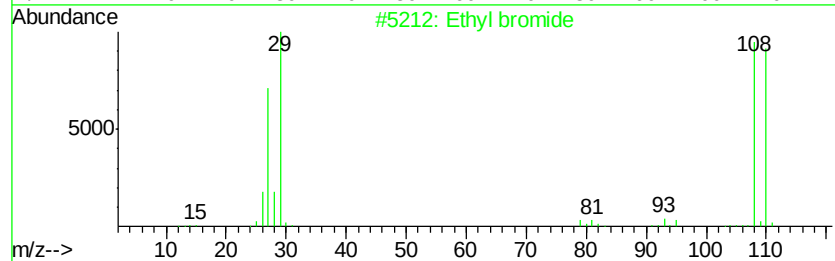
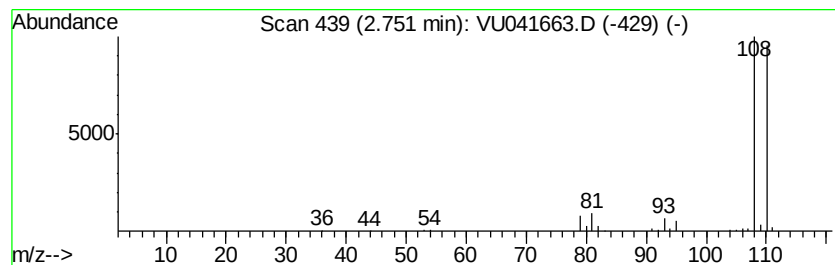
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 Ethyl bromide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	15.73 ug/L	203177	1,4-Difluorobenzene	6.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethyl bromide	108	C2H5Br	000074-96-4	90
2		Ethyl bromide	108	C2H5Br	000074-96-4	90
3		Ethyl bromide	108	C2H5Br	000074-96-4	83
4		1H-Pyrazole, 1-methyl-3-vinyl-	108	C6H8N2	056342-53-1	17
5		Anisole	108	C7H8O	000100-66-3	9



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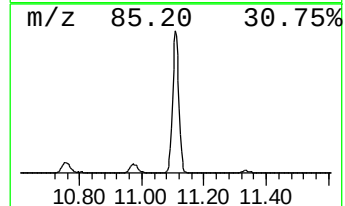
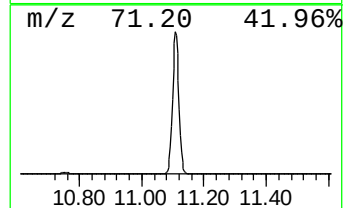
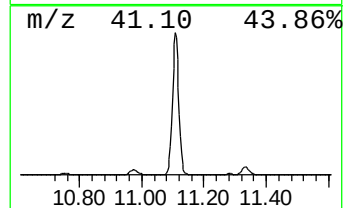
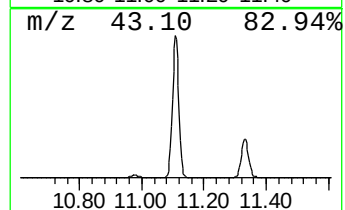
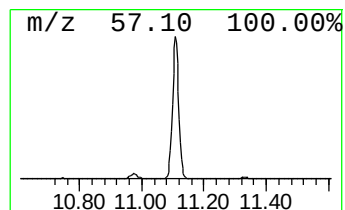
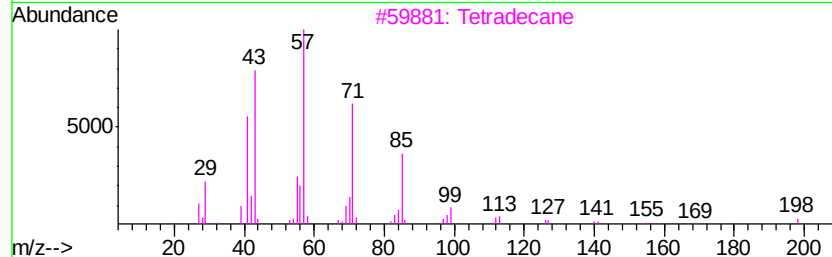
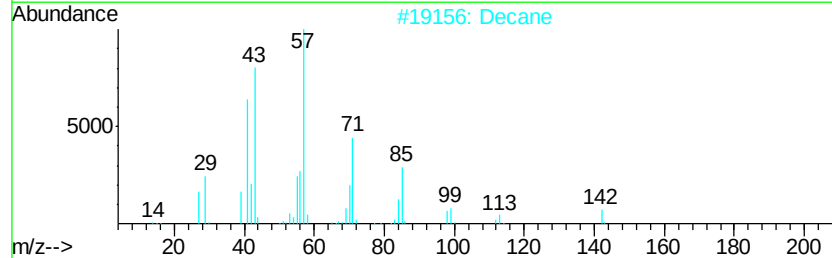
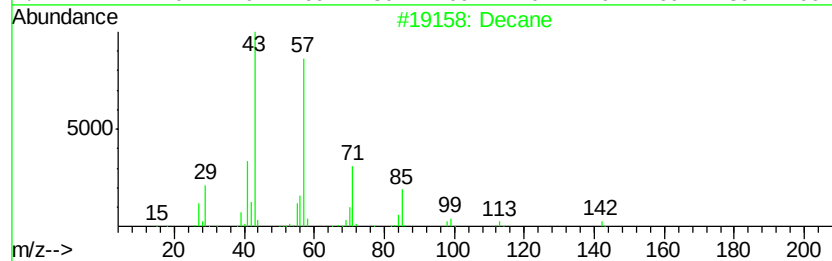
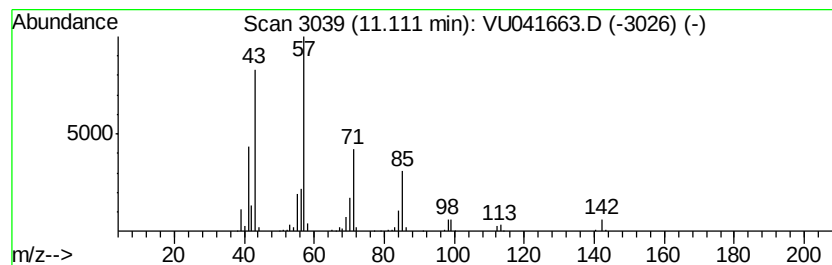
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	26.76 ug/L	412169	1,4-Dichlorobenzene-d4	11.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	90
2		Decane	142	C10H22	000124-18-5	87
3		Tetradecane	198	C14H30	000629-59-4	78
4		Decane	142	C10H22	000124-18-5	74
5		Pentadecane	212	C15H32	000629-62-9	64



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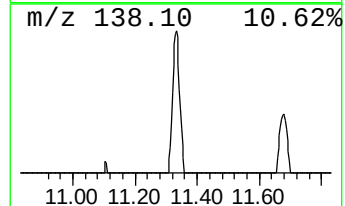
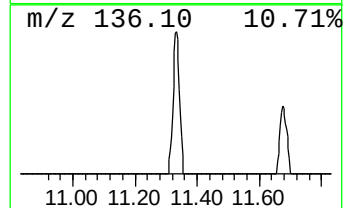
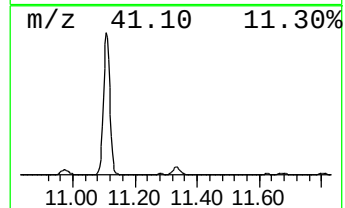
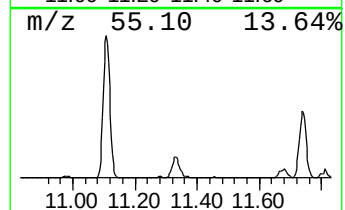
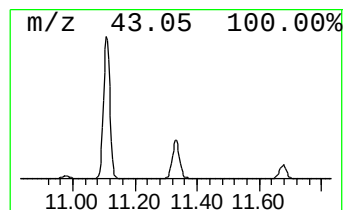
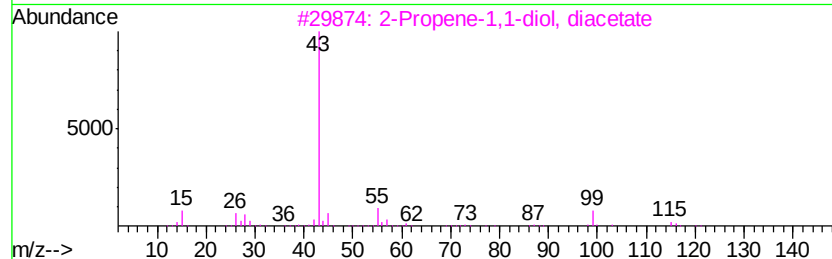
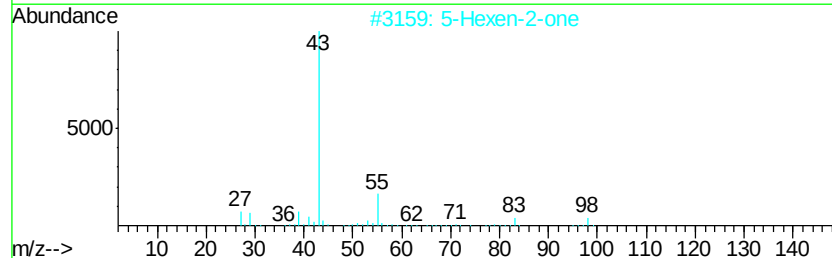
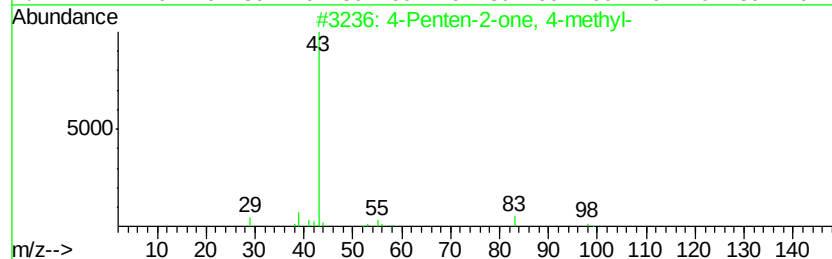
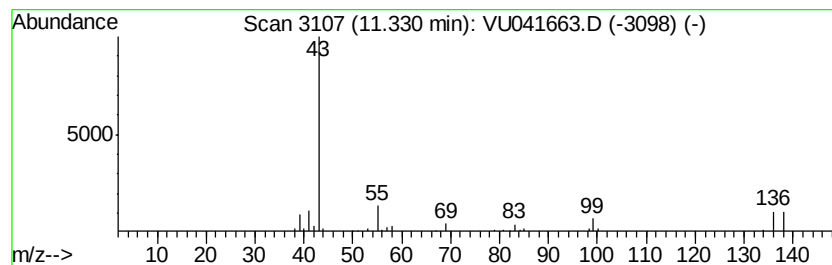
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Quant Title : VOC Analysis

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

Peak Number 5 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.98 ug/L	45884	1,4-Dichlorobenzene-d4	11.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	22
2		5-Hexen-2-one	98	C6H10O	000109-49-9	12
3		2-Propene-1,1-diol, diacetate	158	C7H10O4	000869-29-4	9
4		2-Hexanone, 6-bromo-	178	C6H11BrO	010226-29-6	9
5		2,7-Octanedione, 4,4,5,5-tetrame...	198	C12H22O2	017663-27-3	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121620\
Data File : VU041663.D
Acq On : 16 Dec 2020 12:05
Operator : SY/MD
Sample : L4958-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
X2S35

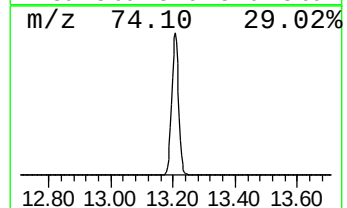
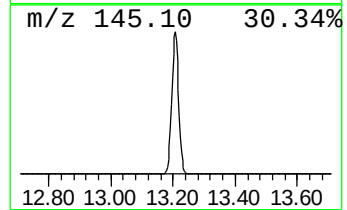
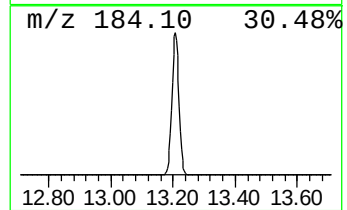
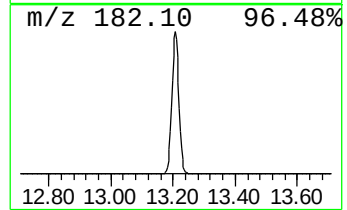
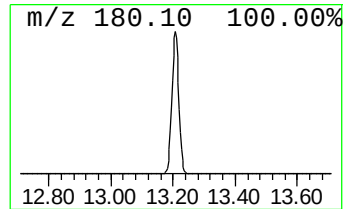
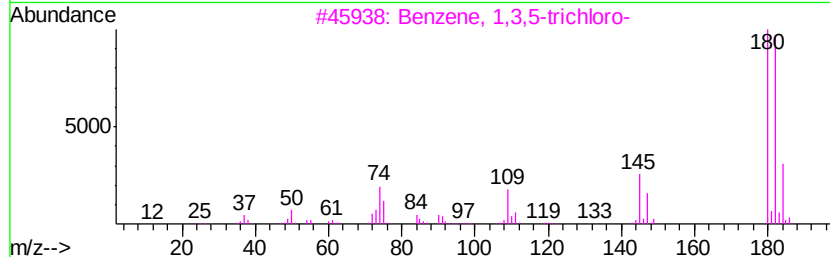
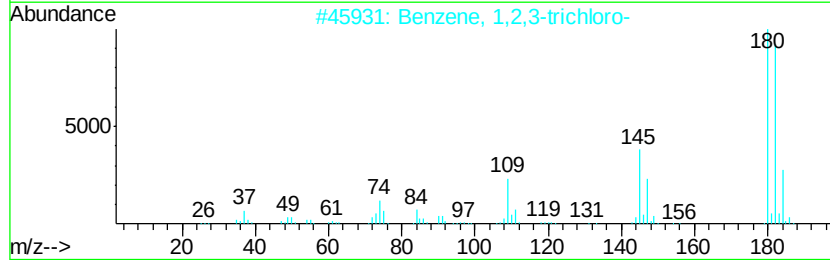
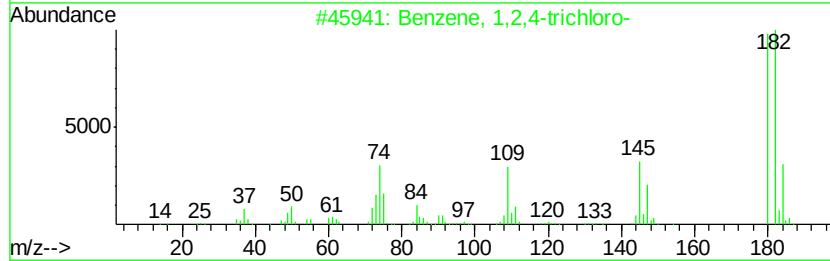
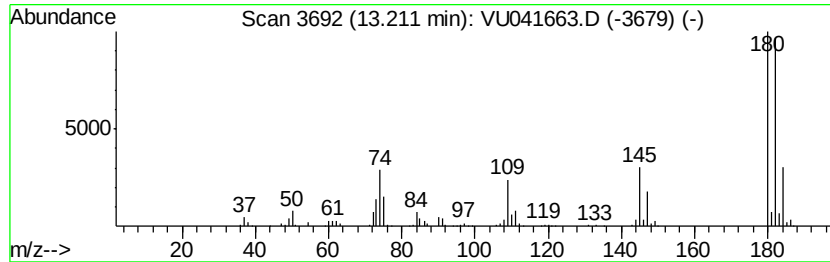
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Quant Title : VOC Analysis

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

Peak Number 6 Benzene, 1,3,5-trichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	47.65 ug/L	733857	1,4-Dichlorobenzene-d4	11.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	98
2		Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
3		Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
4		Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	97
5		Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	97



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121620\
Data File : VU041663.D
Acq On : 16 Dec 2020 12:05
Operator : SY/MD
Sample : L4958-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
X2S35

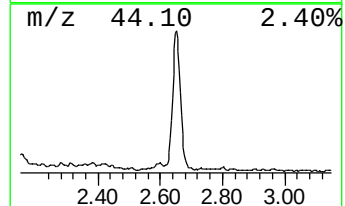
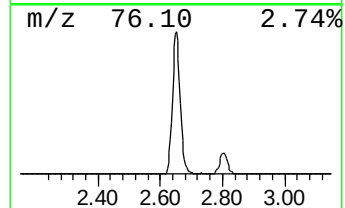
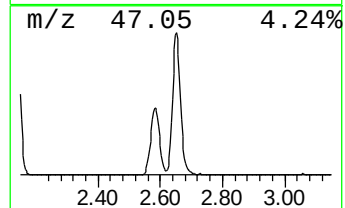
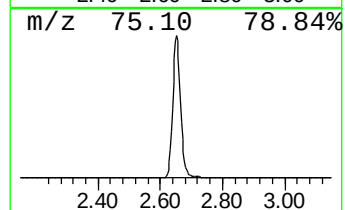
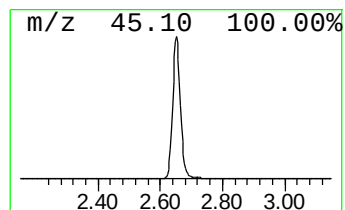
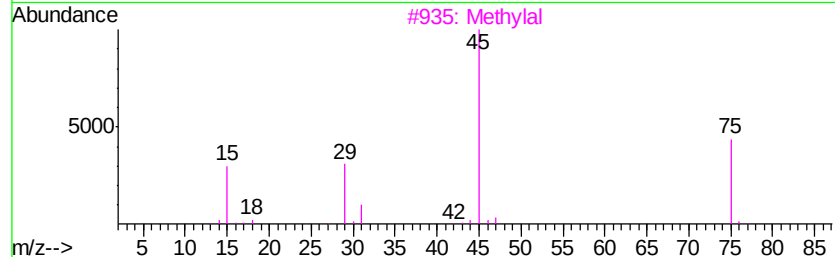
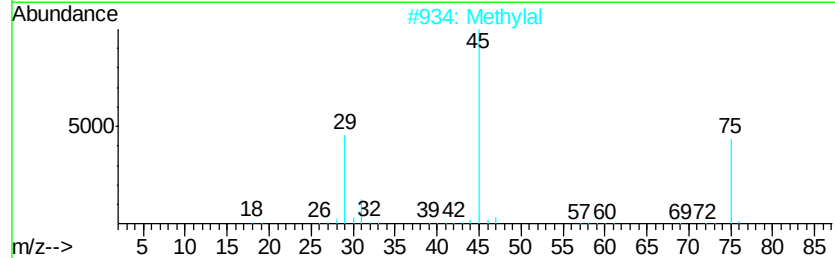
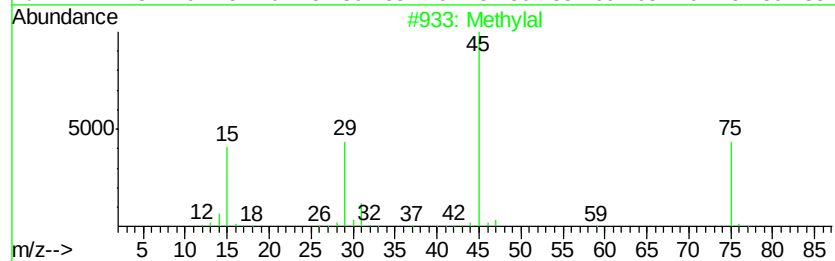
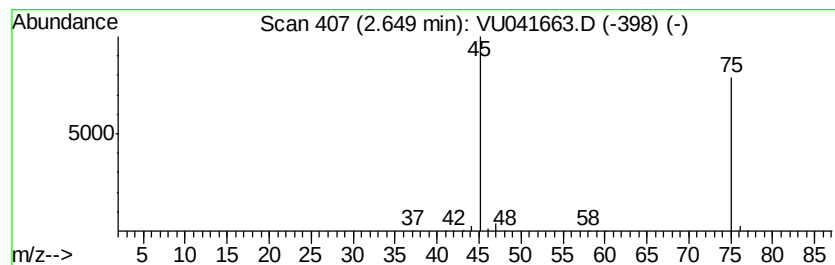
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Quant Title : VOC Analysis

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

Peak Number 7 Methylal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.65	95.00 ug/L	1226740	1,4-Difluorobenzene	6.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methylal	76	C3H8O2	000109-87-5	83
2		Methylal	76	C3H8O2	000109-87-5	83
3		Methylal	76	C3H8O2	000109-87-5	9
4		Methanamine, N,N-dimethyl-, N-oxide	75	C3H9NO	001184-78-7	9
5		Formamide, N-methylthio	75	C2H5NS	018952-41-5	7



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121620\
Data File : VU041663.D
Acq On : 16 Dec 2020 12:05
Operator : SY/MD
Sample : L4958-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
X2S35

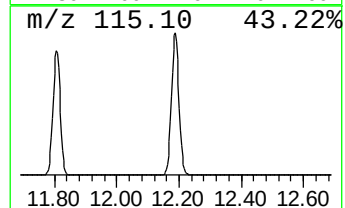
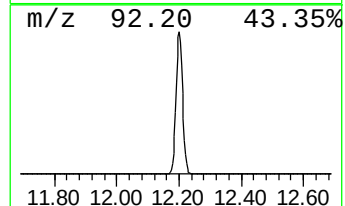
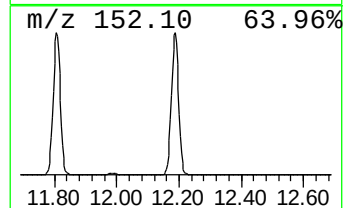
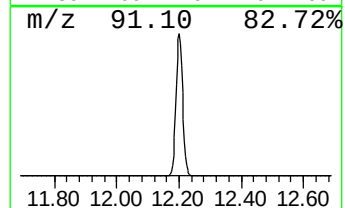
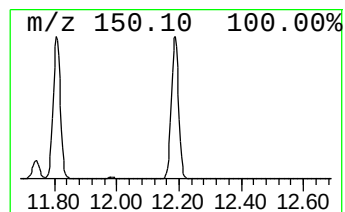
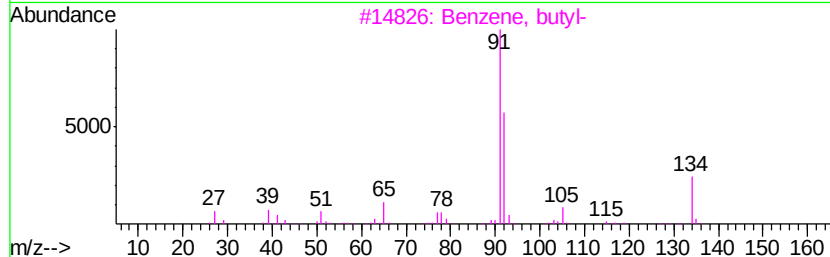
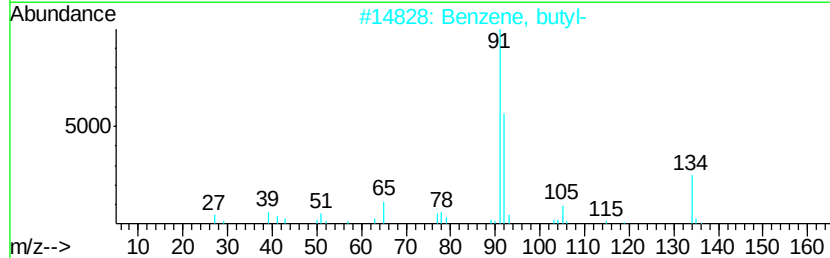
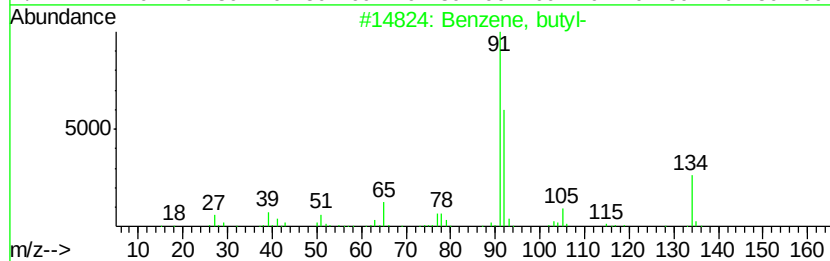
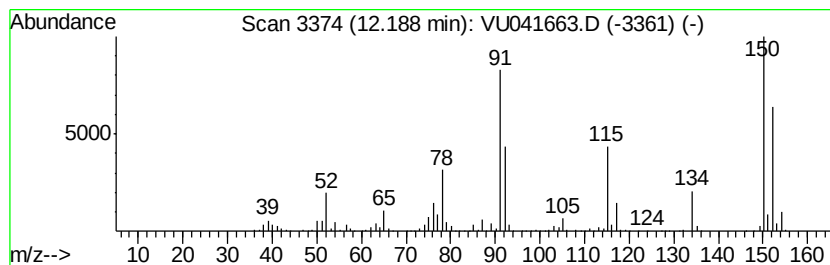
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
Quant Title : VOC Analysis

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

Peak Number 9 Benzene, butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	112.86 ug/L	1738260	1,4-Dichlorobenzene-d4	11.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, butyl-	134	C10H14	000104-51-8	94
2		Benzene, butyl-	134	C10H14	000104-51-8	94
3		Benzene, butyl-	134	C10H14	000104-51-8	93
4		Benzene, butyl-	134	C10H14	000104-51-8	81
5		Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	74



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121620\
Data File : VU041663.D
Acq On : 16 Dec 2020 12:05
Operator : SY/MD
Sample : L4958-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
X2S35

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.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
Ethane, methoxy-	1.80	9.9	ug/L	127384	1	6.26	645673	50.0
Ethyl bromide	2.75	15.7	ug/L	203177	1	6.26	645673	50.0
(DEL) Alkane: Str...	11.11	26.8	ug/L	412169	3	11.81	770106	50.0
unknown-01	11.33	3.0	ug/L	45884	3	11.81	770106	50.0
Benzene, 1,3,5-tr...	13.21	47.6	ug/L	733857	3	11.81	770106	50.0
Methylal	2.65	95.0	ug/L	1226740	1	6.26	645673	50.0
Benzene, butyl-	12.19	112.9	ug/L	1738260	3	11.81	770106	50.0