

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038808.D
 Acq On : 11 Jun 2020 04:29
 Operator : SY/MD
 Sample : L2915-15 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E23

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\SOMULM060820WMA.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	1.501	44	50	57	rBV2	20501	21531	0.24%	0.070%
2	1.614	75	85	97	rBV	376601	428037	4.80%	1.396%
3	1.675	98	104	111	rVB	20717	22808	0.26%	0.074%
4	1.749	121	127	134	rVB2	15784	17808	0.20%	0.058%
5	1.929	174	183	199	rVB	216771	287850	3.23%	0.939%
6	2.012	199	209	219	rVB	71963	100503	1.13%	0.328%
7	2.173	252	259	266	rBV2	19530	25670	0.29%	0.084%
8	2.225	266	275	291	rVB2	62088	99261	1.11%	0.324%
9	2.340	302	311	323	rBV	33025	48659	0.55%	0.159%
10	2.437	334	341	349	rBV3	15844	22344	0.25%	0.073%
11	2.488	349	357	374	rVB	49834	78380	0.88%	0.256%
12	2.591	377	389	410	rBV	482419	813052	9.12%	2.652%
13	2.813	451	458	463	rBV5	1090	1221	0.01%	0.004%
14	2.852	467	470	478	rBV5	758	1007	0.01%	0.003%
15	2.999	504	516	519	rBV6	3397	6448	0.07%	0.021%
16	3.044	521	530	546	rVB2	31716	61234	0.69%	0.200%
17	3.167	557	568	578	rBV2	54893	112204	1.26%	0.366%
18	3.292	605	607	612	rVB3	753	736	0.01%	0.002%
19	3.395	634	639	648	rVB4	2714	4323	0.05%	0.014%
20	3.617	694	708	720	rBV6	1930	4712	0.05%	0.015%
21	3.729	737	743	746	rBV3	1016	1037	0.01%	0.003%
22	3.868	779	786	788	rBV3	713	726	0.01%	0.002%
23	3.948	804	811	814	rBV4	1396	1758	0.02%	0.006%
24	4.012	822	831	849	rVB7	2690	6287	0.07%	0.021%
25	4.131	863	868	873	rBV5	832	872	0.01%	0.003%
26	4.208	879	892	909	rBV6	5243	13723	0.15%	0.045%
27	4.289	910	917	918	rBV4	1340	1195	0.01%	0.004%
28	4.572	988	1005	1018	rBV2	22010	52332	0.59%	0.171%
29	4.665	1019	1034	1070	rBV	260905	683179	7.67%	2.228%
30	4.842	1086	1089	1093	rVB4	846	636	0.01%	0.002%
31	4.861	1093	1095	1103	rVB5	779	808	0.01%	0.003%
32	5.102	1152	1170	1194	rVV	402309	871522	9.78%	2.842%
33	5.212	1194	1204	1221	rVB8	3934	8631	0.10%	0.028%
34	5.327	1230	1240	1250	rVB3	1758	2933	0.03%	0.010%

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 Title : VOC Analysis

35	5.424	1255	1270	1284	rVV3	33100	73925	0.83%	0.241%
36	5.758	1351	1374	1379	rBV2	831519	2050647	23.01%	6.688%
37	5.810	1380	1390	1419	rVB	4394341	8910313	100.00%	29.060%
38	6.279	1521	1536	1572	rVB	706824	1340209	15.04%	4.371%
39	6.491	1597	1602	1608	rBV2	399	455	0.01%	0.001%
40	6.559	1612	1623	1631	rBV5	12561	27390	0.31%	0.089%
41	6.720	1658	1673	1691	rBV	501519	976362	10.96%	3.184%
42	7.096	1785	1790	1797	rBV2	371	427	0.00%	0.001%
43	7.208	1815	1825	1833	rVV10	3884	6666	0.07%	0.022%
44	7.424	1885	1892	1900	rVB5	1311	1531	0.02%	0.005%
45	7.591	1930	1944	1966	rBV	272171	482617	5.42%	1.574%
46	7.713	1973	1982	1994	rVB8	3425	6667	0.07%	0.022%
47	7.777	1994	2002	2010	rBV6	1915	3097	0.03%	0.010%
48	7.922	2031	2047	2058	rBV	972217	1711962	19.21%	5.583%
49	7.993	2058	2069	2098	rVV	918198	1693115	19.00%	5.522%
50	8.121	2101	2109	2121	rVV2	27245	49392	0.55%	0.161%
51	8.199	2122	2133	2151	rVV	195819	332608	3.73%	1.085%
52	8.292	2155	2162	2172	rVB2	13328	20393	0.23%	0.067%
53	8.655	2261	2275	2306	rBV	764310	1381650	15.51%	4.506%
54	8.855	2332	2337	2340	rBV4	1300	1231	0.01%	0.004%
55	9.173	2431	2436	2440	rBV3	495	502	0.01%	0.002%
56	9.292	2468	2473	2477	rVB	675	542	0.01%	0.002%
57	9.324	2477	2483	2488	rBV2	331	429	0.00%	0.001%
58	9.433	2504	2517	2551	rBV	968566	1704616	19.13%	5.559%
59	9.588	2551	2565	2585	rBV	566426	934370	10.49%	3.047%
60	9.710	2589	2603	2616	rVB	99382	185122	2.08%	0.604%
61	9.845	2637	2645	2650	rVV9	6070	9372	0.11%	0.031%
62	9.880	2650	2656	2670	rVB5	8636	15291	0.17%	0.050%
63	9.964	2674	2682	2693	rBV8	6406	10540	0.12%	0.034%
64	10.028	2693	2702	2708	rBV4	5151	10030	0.11%	0.033%
65	10.115	2719	2729	2747	rVB	111954	187208	2.10%	0.611%
66	10.295	2776	2785	2793	rVB6	3391	5307	0.06%	0.017%
67	10.343	2794	2800	2805	rBV4	1713	2601	0.03%	0.008%
68	10.443	2821	2831	2837	rBV6	3853	5530	0.06%	0.018%
69	10.498	2841	2848	2858	rVB2	9622	13821	0.16%	0.045%
70	10.662	2892	2899	2909	rBV5	4544	6951	0.08%	0.023%
71	10.771	2920	2933	2951	rBV	684939	1100460	12.35%	3.589%

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72	10.861	2958	2961	2965	rBV2	720	472	0.01%	0.002%
73	10.919	2970	2979	2989	rBV2	9536	16409	0.18%	0.054%
74	10.980	2993	2998	3003	rBV2	7941	10703	0.12%	0.035%
75	11.099	3025	3035	3042	rVB7	2988	4387	0.05%	0.014%
76	11.128	3042	3044	3049	rBV2	628	562	0.01%	0.002%
77	11.301	3089	3098	3112	rBV2	14530	23917	0.27%	0.078%
78	11.420	3125	3135	3142	rBV6	2638	4484	0.05%	0.015%
79	11.478	3142	3153	3163	rVB2	19383	29477	0.33%	0.096%
80	11.735	3230	3233	3236	rVV4	966	815	0.01%	0.003%
81	11.752	3236	3238	3242	rVB2	838	637	0.01%	0.002%
82	11.822	3247	3260	3276	rVV	1050101	1650025	18.52%	5.381%
83	11.903	3276	3285	3296	rVB	18110	27528	0.31%	0.090%
84	11.961	3298	3303	3311	rVB6	985	1333	0.01%	0.004%
85	12.105	3337	3348	3358	rVB2	9184	14515	0.16%	0.047%
86	12.202	3365	3378	3399	rBV	1052591	1684263	18.90%	5.493%
87	12.321	3409	3415	3428	rVB2	4925	7660	0.09%	0.025%
88	12.465	3456	3460	3461	rVV	498	400	0.00%	0.001%
89	12.494	3465	3469	3471	rBV3	541	388	0.00%	0.001%
90	12.626	3507	3510	3514	rBV3	571	416	0.00%	0.001%
91	12.694	3521	3531	3536	rBV4	2040	2733	0.03%	0.009%
92	12.896	3591	3594	3597	rVB2	999	658	0.01%	0.002%
93	13.047	3638	3641	3652	rVB4	1125	1486	0.02%	0.005%
94	13.231	3693	3698	3700	rBV3	583	531	0.01%	0.002%
95	13.472	3767	3773	3782	rVB6	3361	4540	0.05%	0.015%
96	13.649	3821	3828	3834	rBV6	2223	2754	0.03%	0.009%
97	14.112	3960	3972	3990	rVV	50345	83502	0.94%	0.272%
98	14.234	4001	4010	4020	rBV2	6680	10430	0.12%	0.034%
99	15.446	4381	4387	4399	rVB6	4833	7956	0.09%	0.026%
100	16.054	4572	4576	4579	rBV4	1842	1661	0.02%	0.005%

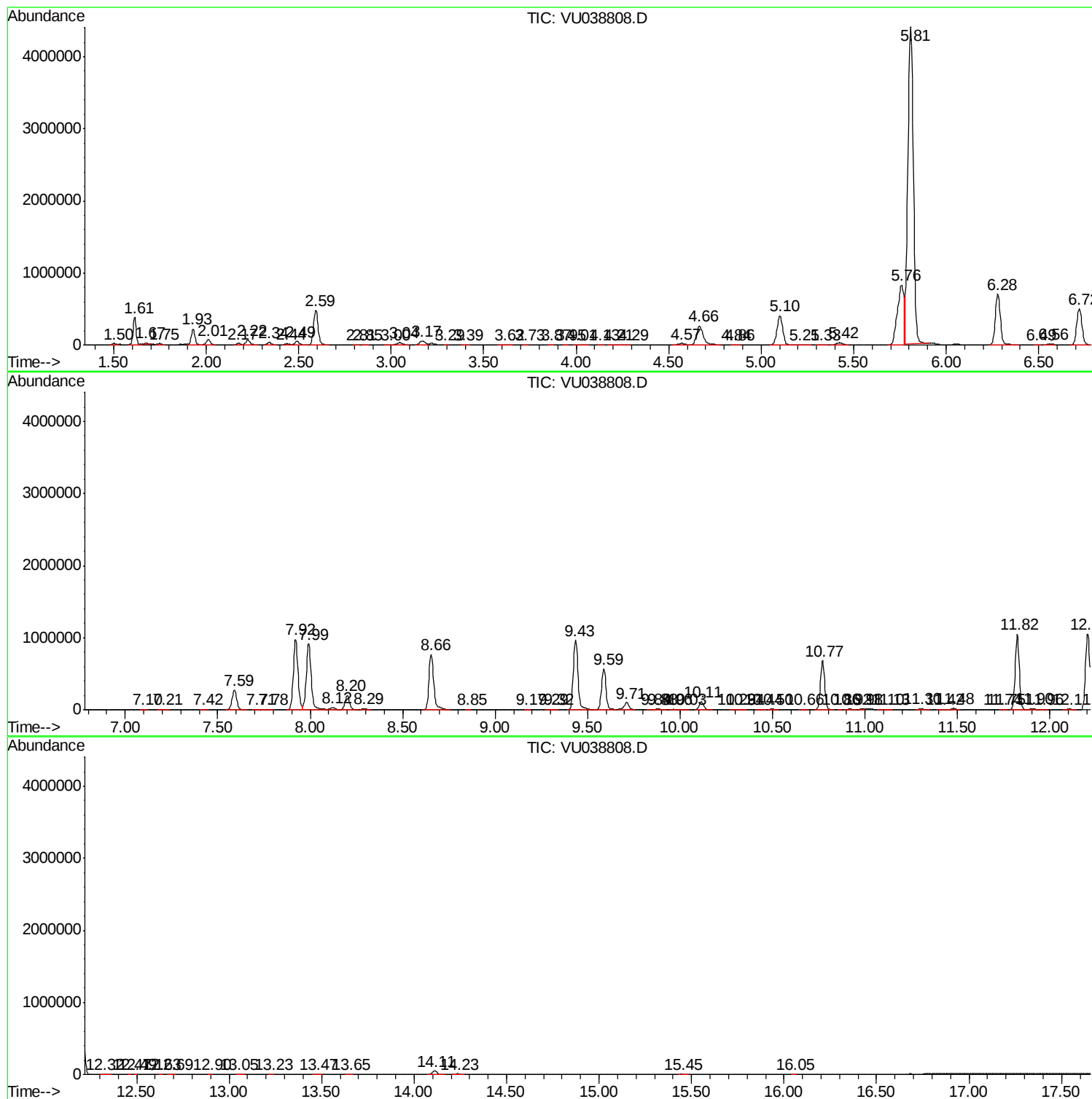
Sum of corrected areas: 30661418

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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



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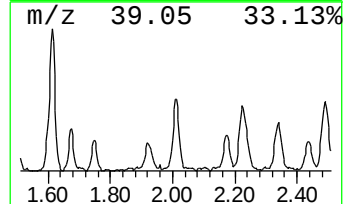
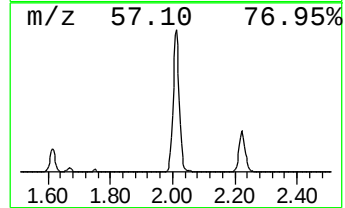
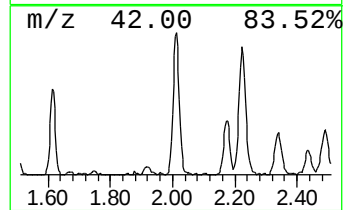
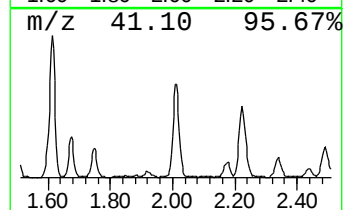
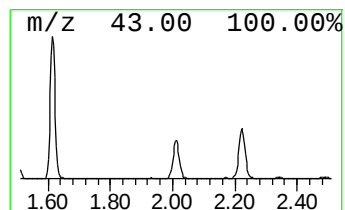
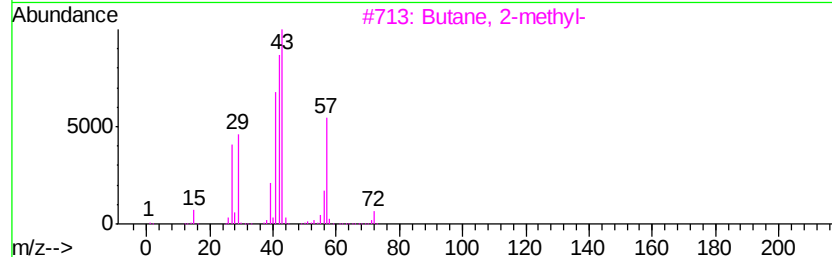
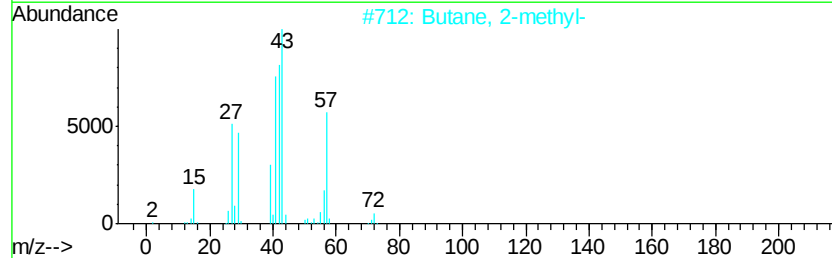
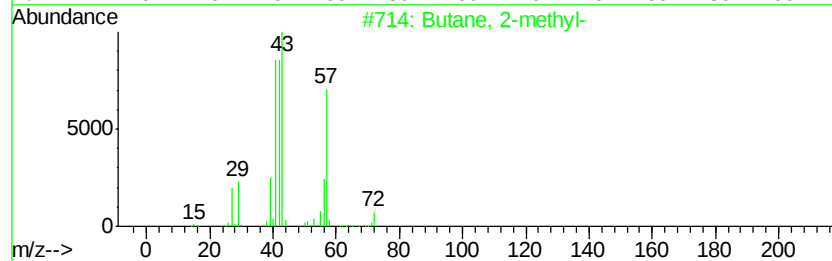
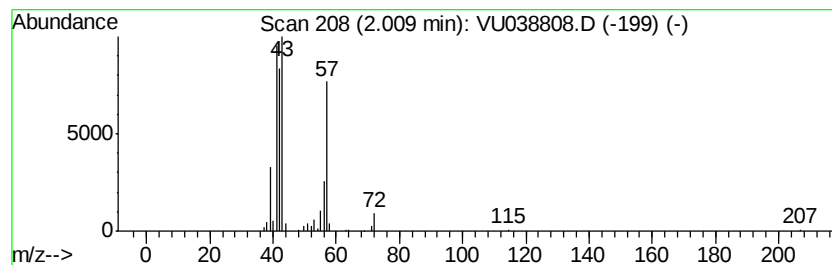
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	3.75 ug/L	100503	1,4-Difluorobenzene	6.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2		Butane, 2-methyl-	72	C5H12	000078-78-4	86
3		Butane, 2-methyl-	72	C5H12	000078-78-4	86
4		Isobutylene epoxide	72	C4H8O	000558-30-5	50
5		3-Buten-1-ol	72	C4H8O	000627-27-0	43



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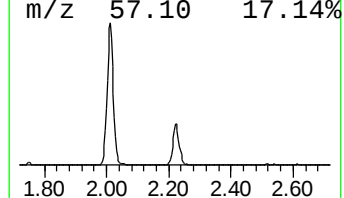
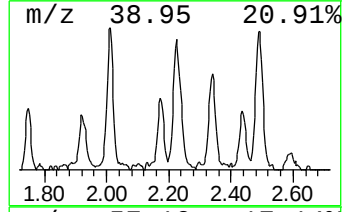
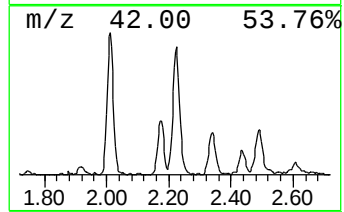
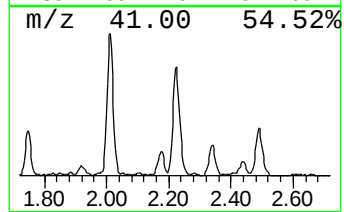
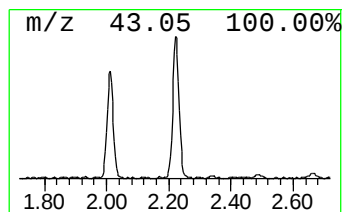
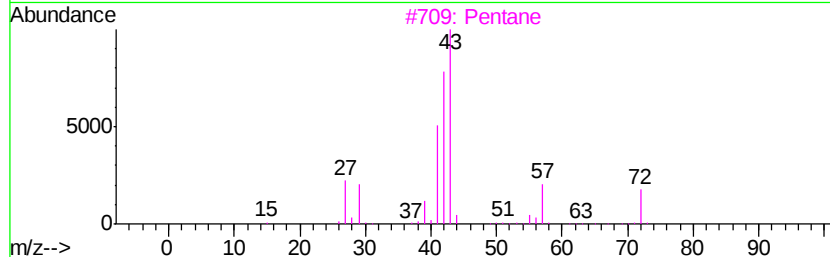
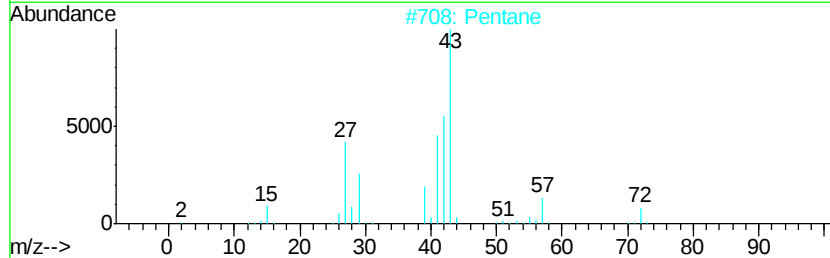
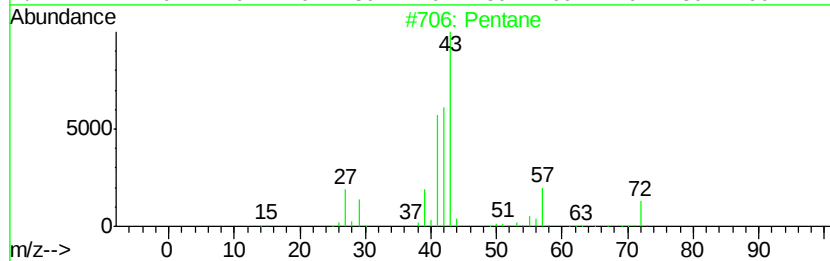
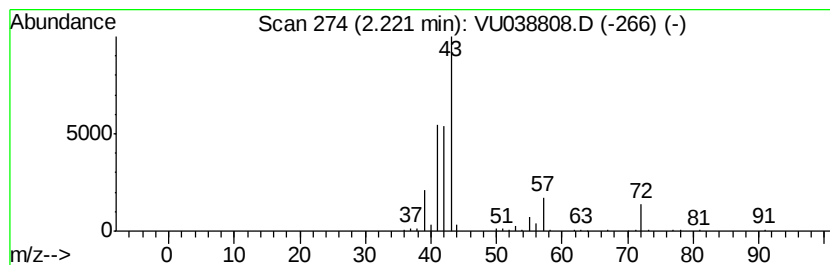
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	3.70 ug/L	99261	1,4-Difluorobenzene	6.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane			72	C5H12	000109-66-0	86
2	Pentane			72	C5H12	000109-66-0	86
3	Pentane			72	C5H12	000109-66-0	80
4	Pentane			72	C5H12	000109-66-0	80
5	Oxirane, ethyl-			72	C4H8O	000106-88-7	53



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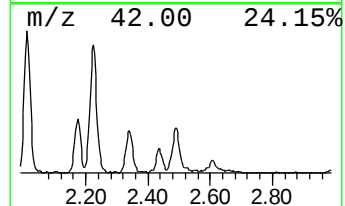
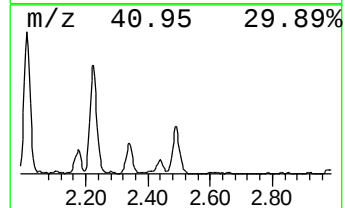
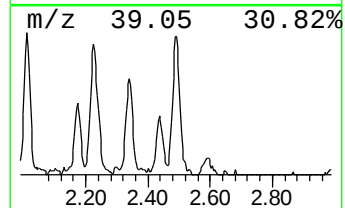
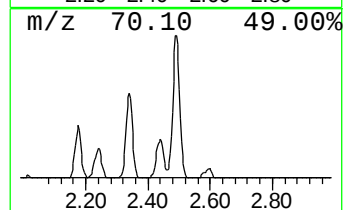
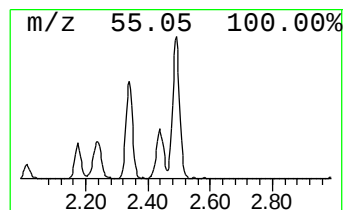
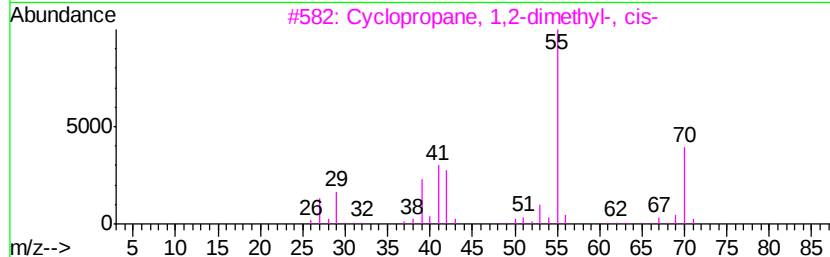
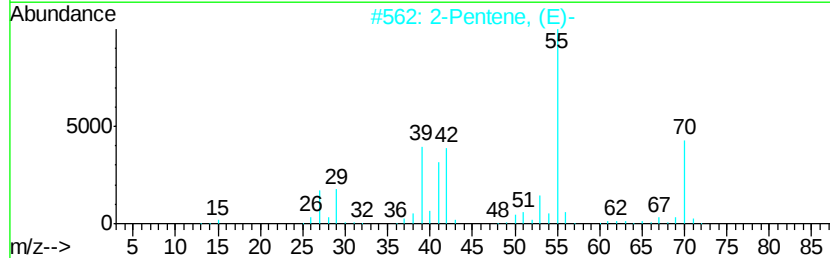
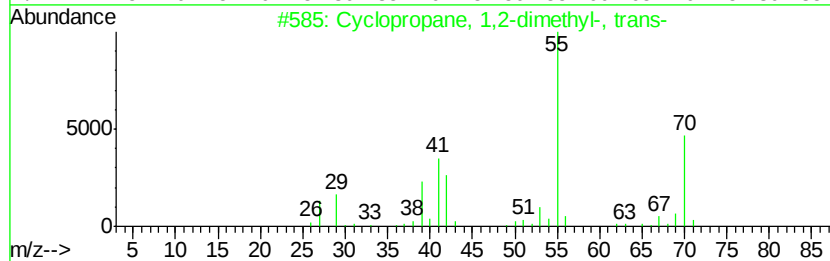
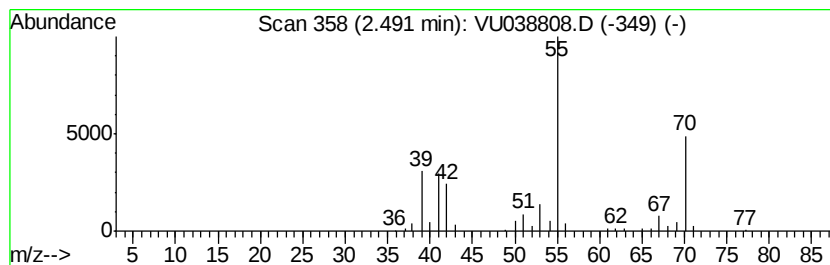
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Peak Number 3 (DEL) Alkane: Cyclic2.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	2.92 ug/L	78380	1,4-Difluorobenzene	6.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	91
2		2-Pentene, (E)-	70	C5H10	000646-04-8	90
3		Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
4		2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
5		2-Butene, 2-methyl-	70	C5H10	000513-35-9	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061120\
Data File : VU038808.D
Acq On : 11 Jun 2020 04:29
Operator : SY/MD
Sample : L2915-15 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9E23

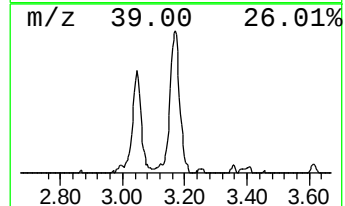
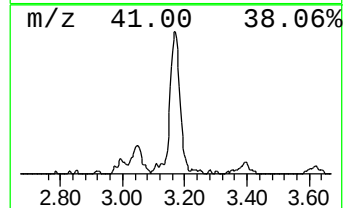
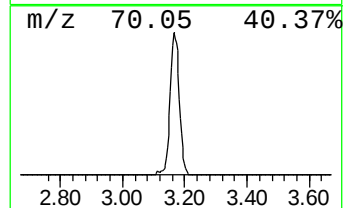
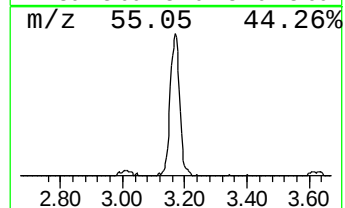
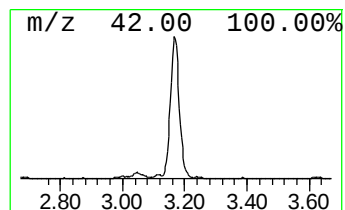
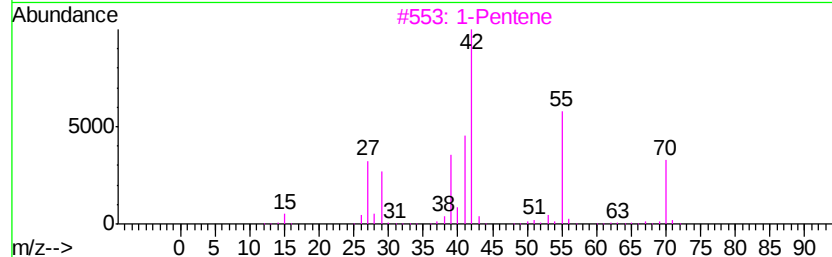
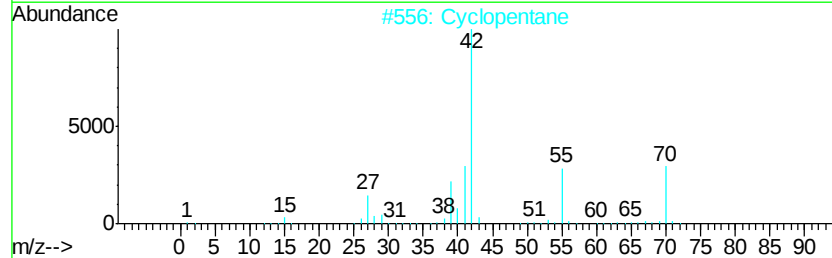
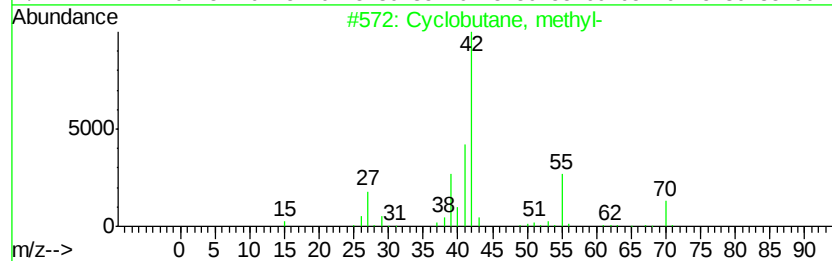
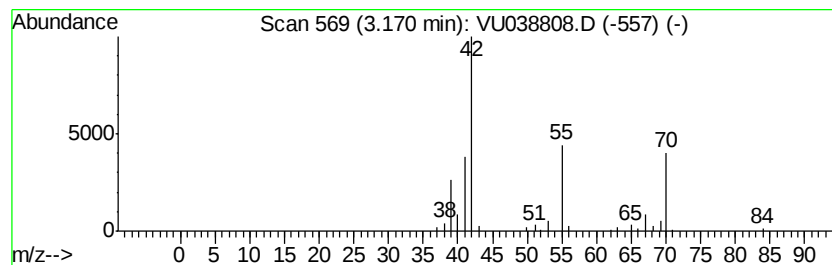
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic3.17 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	4.19 ug/L	112204	1,4-Difluorobenzene	6.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
2		Cyclopentane	70	C5H10	000287-92-3	86
3		1-Pentene	70	C5H10	000109-67-1	64
4		1-Pentene	70	C5H10	000109-67-1	56
5		Cyclobutanone	70	C4H6O	001191-95-3	50



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061120\
Data File : VU038808.D
Acq On : 11 Jun 2020 04:29
Operator : SY/MD
Sample : L2915-15 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9E23

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.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
(DEL) Alkane: Str...	2.01	3.8	ug/L	100503	1	6.28	1340210	50.0
(DEL) Alkane: Str...	2.22	3.7	ug/L	99261	1	6.28	1340210	50.0
(DEL) Alkane: Cyc...	2.49	2.9	ug/L	78380	1	6.28	1340210	50.0
(DEL) Alkane: Cyc...	3.17	4.2	ug/L	112204	1	6.28	1340210	50.0