

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030465.D
 Acq On : 26 Mar 2019 23:49
 Operator : JC/SP
 Sample : K2063-10 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6S3

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\SOMULM032319WMA.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	1.180	24	28	38	rVB	15425	16151	0.11%	0.037%
2	1.399	88	96	107	rBV	309267	314675	2.20%	0.718%
3	1.666	172	179	195	rVV	205304	260385	1.82%	0.594%
4	1.746	196	204	213	rVB	146824	195081	1.36%	0.445%
5	1.939	257	264	275	rVB	48962	66594	0.47%	0.152%
6	2.042	290	296	309	rVB2	30610	44514	0.31%	0.102%
7	2.132	318	324	331	rVB3	15306	19861	0.14%	0.045%
8	2.180	334	339	353	rVB5	18879	28685	0.20%	0.065%
9	2.267	356	366	379	rBV	420835	638295	4.47%	1.456%
10	2.698	488	500	505	rBV3	17854	41132	0.29%	0.094%
11	2.785	522	527	547	rVB2	41300	80080	0.56%	0.183%
12	2.990	580	591	607	rVB2	24864	55136	0.39%	0.126%
13	3.109	626	628	634	rVB	2544	2232	0.02%	0.005%
14	3.183	646	651	654	rBV3	2721	3073	0.02%	0.007%
15	3.299	680	687	696	rVB5	6897	13728	0.10%	0.031%
16	3.415	716	723	725	rBV3	4185	4543	0.03%	0.010%
17	3.498	737	749	755	rBV4	6952	14551	0.10%	0.033%
18	3.640	789	793	794	rBV2	2983	2250	0.02%	0.005%
19	3.733	809	822	834	rBV7	8156	24201	0.17%	0.055%
20	3.891	861	871	888	rVB4	5369	16013	0.11%	0.037%
21	4.090	917	933	947	rBV3	68941	183412	1.28%	0.418%
22	4.173	948	959	987	rVV	207740	531727	3.72%	1.213%
23	4.643	1090	1105	1126	rBV	306352	719132	5.03%	1.640%
24	4.990	1199	1213	1227	rBV5	19491	49060	0.34%	0.112%
25	5.074	1230	1239	1255	rVB6	7427	19455	0.14%	0.044%
26	5.183	1268	1273	1275	rBV	1752	1472	0.01%	0.003%
27	5.212	1276	1282	1283	rBV2	4237	3990	0.03%	0.009%
28	5.334	1297	1320	1327	rBV2	653066	1852020	12.96%	4.223%
29	5.386	1329	1336	1354	rVB	1064569	2145892	15.01%	4.893%
30	5.881	1477	1490	1526	rBV	556104	1136186	7.95%	2.591%
31	6.067	1545	1548	1553	rBV	2141	2070	0.01%	0.005%
32	6.132	1565	1568	1574	rVB	1798	1470	0.01%	0.003%
33	6.231	1592	1599	1602	rVB2	2298	2970	0.02%	0.007%
34	6.254	1602	1606	1610	rBV	1452	1511	0.01%	0.003%

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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Title : VOC Analysis

35	6.325	1615	1628	1647	rBV	432897	884646	6.19%	2.017%
36	6.550	1695	1698	1703	rVB	1683	1540	0.01%	0.004%
37	6.579	1703	1707	1710	rBV2	2346	1826	0.01%	0.004%
38	6.595	1710	1712	1719	rVV2	1854	1980	0.01%	0.005%
39	6.630	1719	1723	1731	rVV4	2823	3777	0.03%	0.009%
40	6.820	1774	1782	1786	rBV4	5218	7435	0.05%	0.017%
41	6.923	1806	1814	1824	rVB6	4155	8253	0.06%	0.019%
42	7.045	1848	1852	1854	rBV	4508	3889	0.03%	0.009%
43	7.225	1895	1908	1926	rBV	236932	429591	3.01%	0.980%
44	7.370	1945	1953	1965	rBV5	14911	26745	0.19%	0.061%
45	7.562	2000	2013	2023	rBV	823986	1434530	10.04%	3.271%
46	7.633	2023	2035	2085	rVB	8203054	14291760	100.00%	32.590%
47	7.845	2092	2101	2116	rVB	162381	272804	1.91%	0.622%
48	8.029	2155	2158	2161	rBV	2182	1488	0.01%	0.003%
49	8.093	2174	2178	2185	rVB3	2455	2838	0.02%	0.006%
50	8.177	2201	2204	2208	rBV2	2646	2033	0.01%	0.005%
51	8.244	2218	2225	2234	rBV4	6357	11856	0.08%	0.027%
52	8.308	2234	2245	2288	rVV	681672	1247864	8.73%	2.846%
53	8.588	2323	2332	2342	rBV2	8995	17773	0.12%	0.041%
54	8.781	2388	2392	2396	rVB2	2200	1939	0.01%	0.004%
55	9.029	2460	2469	2475	rBV5	7441	12650	0.09%	0.029%
56	9.086	2475	2487	2506	rBV	805225	1355811	9.49%	3.092%
57	9.247	2524	2537	2561	rBV	900681	1472759	10.30%	3.358%
58	9.369	2562	2575	2606	rVB	3012396	4956365	34.68%	11.302%
59	9.775	2688	2701	2729	rBV	1500170	2406301	16.84%	5.487%
60	9.939	2748	2752	2753	rBV	2026	1568	0.01%	0.004%
61	10.164	2811	2822	2836	rBV	28716	46951	0.33%	0.107%
62	10.308	2864	2867	2870	rVB	2280	1307	0.01%	0.003%
63	10.324	2870	2872	2876	rBV	1522	1494	0.01%	0.003%
64	10.427	2892	2904	2920	rBV	595288	962092	6.73%	2.194%
65	10.546	2935	2941	2944	rBV3	2251	2516	0.02%	0.006%
66	10.585	2944	2953	2969	rVV	68743	112563	0.79%	0.257%
67	10.678	2971	2982	3001	rVV	311570	674417	4.72%	1.538%
68	10.768	3001	3010	3026	rVB	136463	214971	1.50%	0.490%
69	10.887	3043	3047	3051	rBV	1529	1343	0.01%	0.003%
70	10.967	3062	3072	3088	rVV	137738	221077	1.55%	0.504%
71	11.144	3114	3127	3146	rBV	516788	819084	5.73%	1.868%

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72	11.286	3167	3171	3175	rVV3	2187	1764	0.01%	0.004%
73	11.427	3205	3215	3220	rVV3	6184	10115	0.07%	0.023%
74	11.482	3220	3232	3249	rVV	760386	1245618	8.72%	2.840%
75	11.569	3249	3259	3271	rVB	138180	222513	1.56%	0.507%
76	11.762	3308	3319	3329	rBV	135140	224531	1.57%	0.512%
77	11.855	3338	3348	3370	rVB	766703	1297586	9.08%	2.959%
78	11.977	3381	3386	3399	rVB3	10223	18476	0.13%	0.042%
79	12.054	3405	3410	3418	rVB3	6470	9147	0.06%	0.021%
80	12.147	3426	3439	3443	rBV3	17440	28249	0.20%	0.064%
81	12.250	3463	3471	3478	rBV3	22497	33648	0.24%	0.077%
82	12.353	3494	3503	3515	rBV4	15512	28392	0.20%	0.065%
83	12.398	3515	3517	3521	rVV	2248	1378	0.01%	0.003%
84	12.556	3552	3566	3575	rBV5	7234	13506	0.09%	0.031%
85	12.652	3587	3596	3603	rBV3	10474	16680	0.12%	0.038%
86	12.701	3604	3611	3620	rVB2	16393	25710	0.18%	0.059%
87	12.816	3644	3647	3651	rBV	1582	1378	0.01%	0.003%
88	12.961	3685	3692	3704	rVB4	14006	24299	0.17%	0.055%
89	13.122	3733	3742	3754	rVB5	34578	57639	0.40%	0.131%
90	13.231	3773	3776	3779	rBV	1992	1518	0.01%	0.003%
91	13.289	3786	3794	3805	rBV6	7164	13180	0.09%	0.030%
92	13.401	3826	3829	3837	rBV2	1560	2042	0.01%	0.005%
93	13.504	3856	3861	3867	rBV4	4345	5787	0.04%	0.013%
94	13.704	3919	3923	3925	rBV	1886	1383	0.01%	0.003%
95	13.745	3925	3936	3954	rBV	69907	149199	1.04%	0.340%
96	14.273	4097	4100	4109	rVB2	2396	3103	0.02%	0.007%
97	14.578	4192	4195	4199	rBV	1945	1729	0.01%	0.004%
98	14.659	4217	4220	4223	rBV	1923	1538	0.01%	0.004%
99	15.813	4576	4579	4581	rBV	2129	1432	0.01%	0.003%
100	15.932	4613	4616	4620	rBV2	1738	1929	0.01%	0.004%

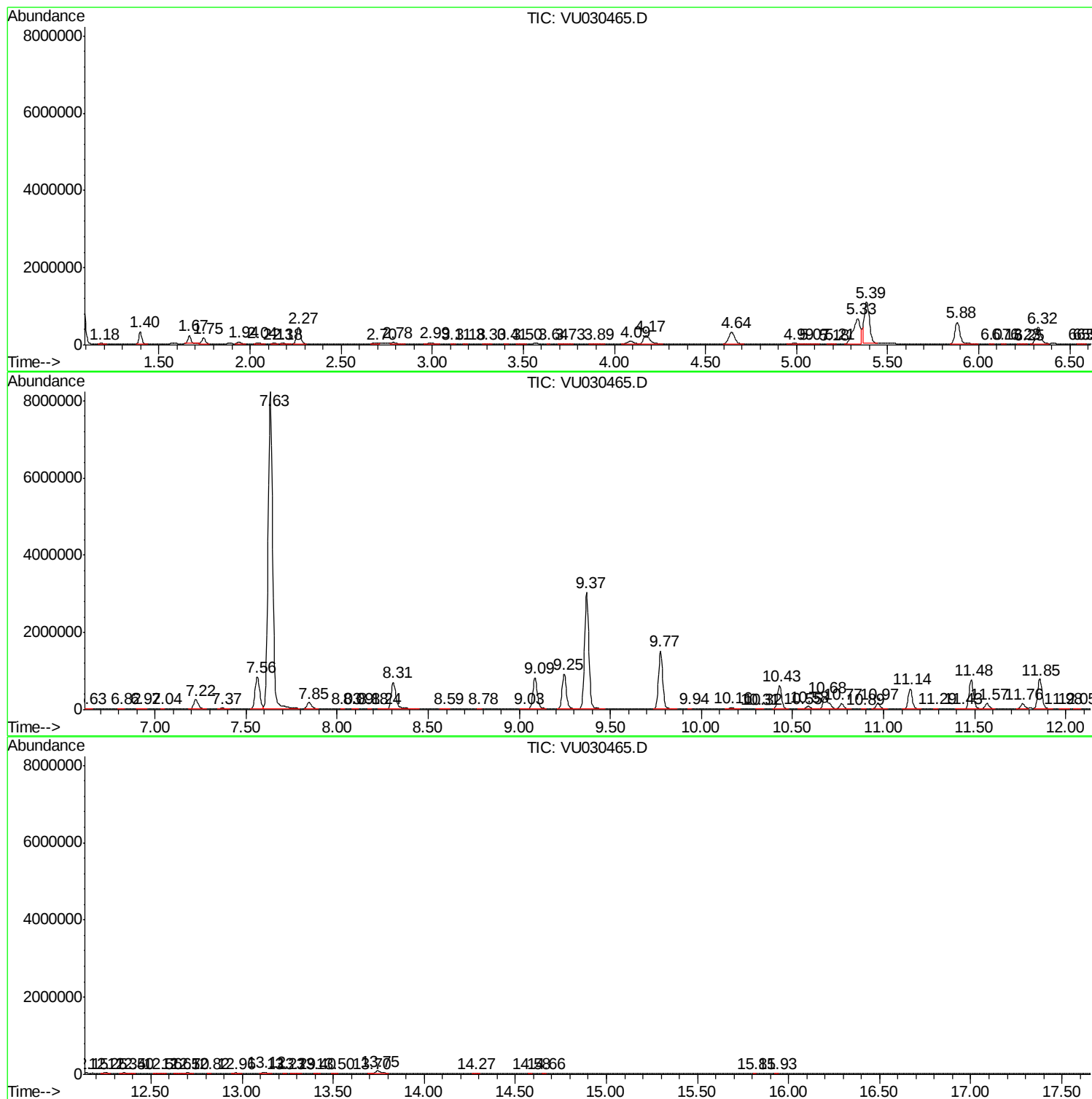
Sum of corrected areas: 43852852

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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



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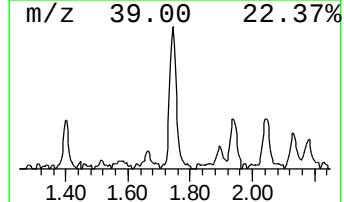
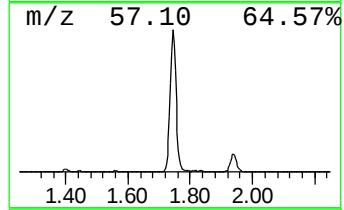
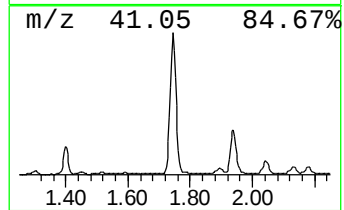
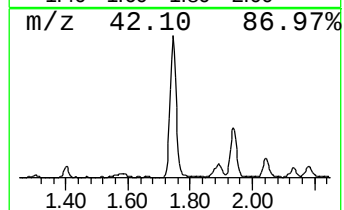
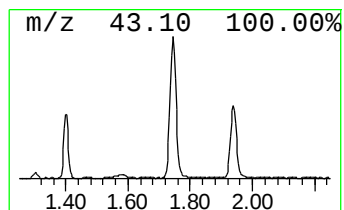
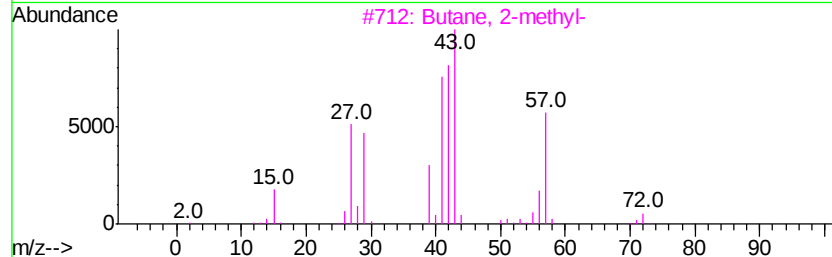
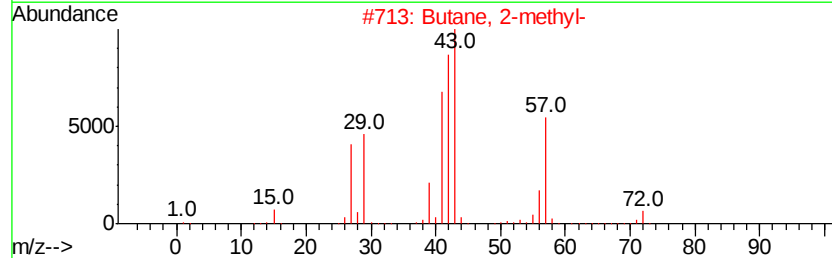
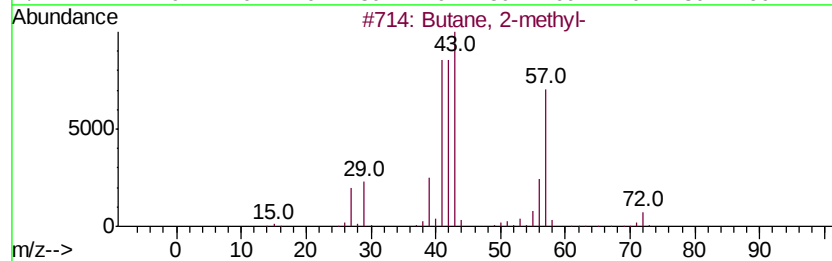
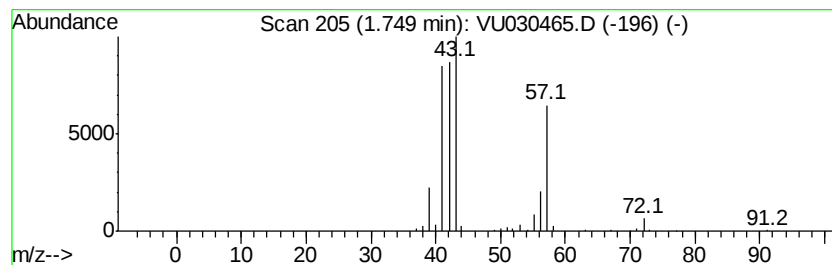
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	8.58 ug/L	195081	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2		Butane, 2-methyl-	72	C5H12	000078-78-4	91
3		Butane, 2-methyl-	72	C5H12	000078-78-4	90
4		Pentane	72	C5H12	000109-66-0	64
5		Cyclobutane, methyl-	70	C5H10	000598-61-8	43



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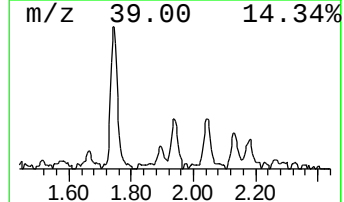
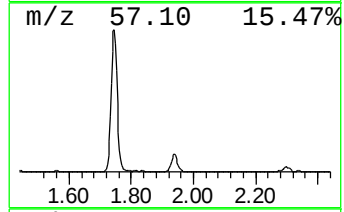
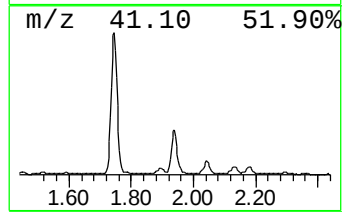
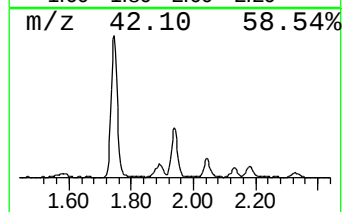
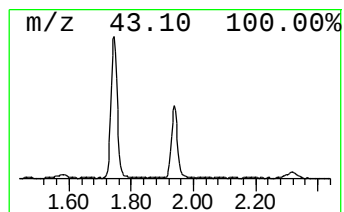
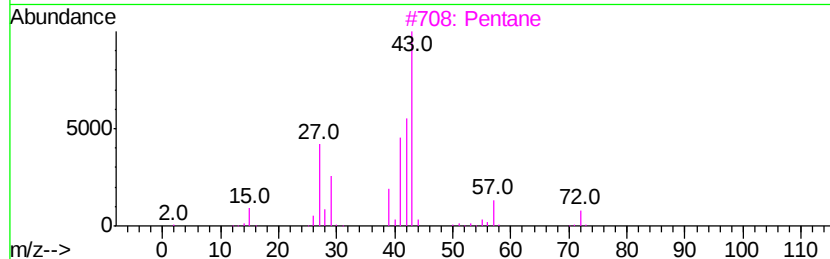
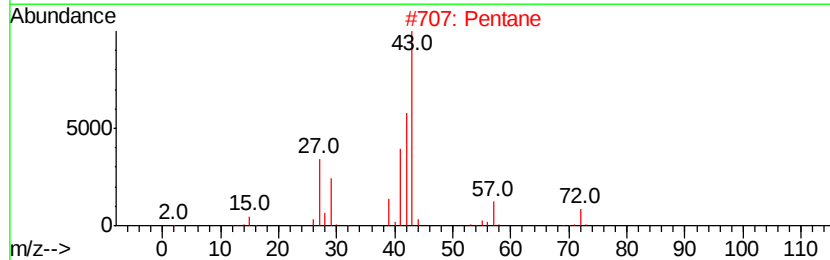
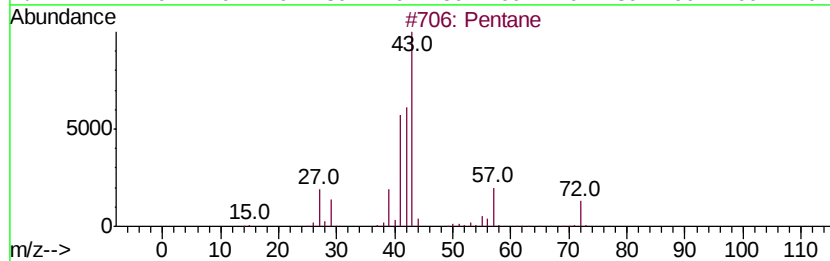
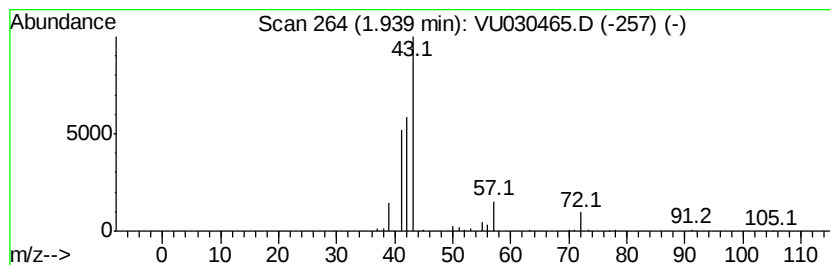
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Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	2.93 ug/L	66594	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	91
2		Pentane	72	C5H12	000109-66-0	90
3		Pentane	72	C5H12	000109-66-0	90
4		Pentane	72	C5H12	000109-66-0	64
5		Butane, 2-methyl-	72	C5H12	000078-78-4	38



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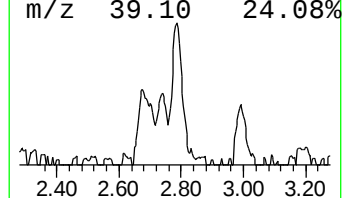
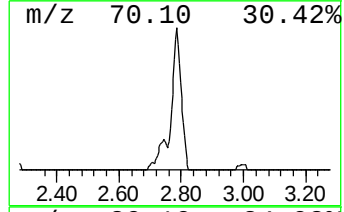
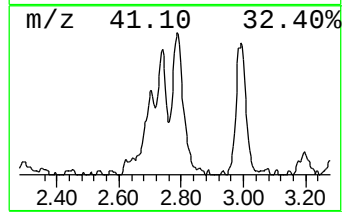
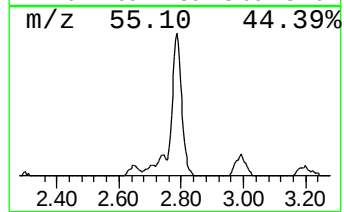
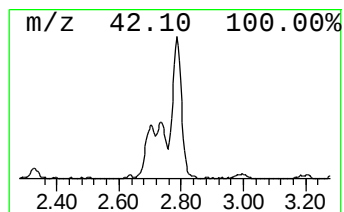
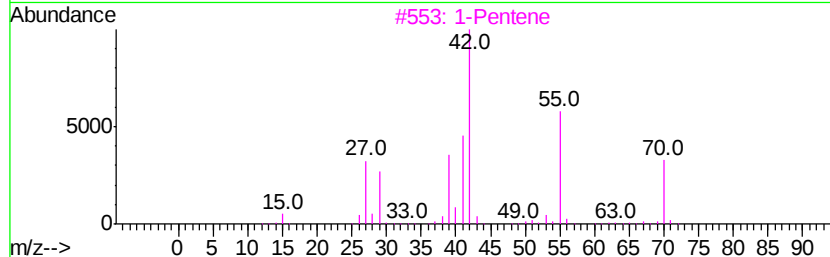
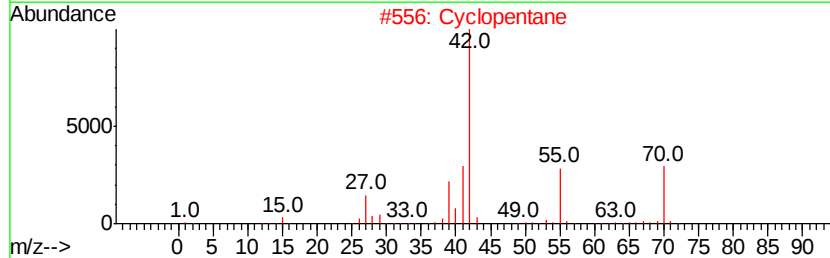
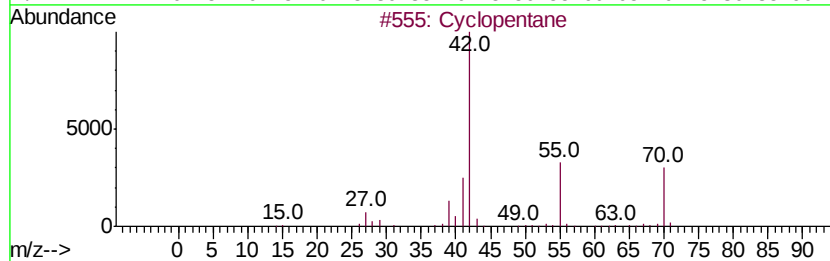
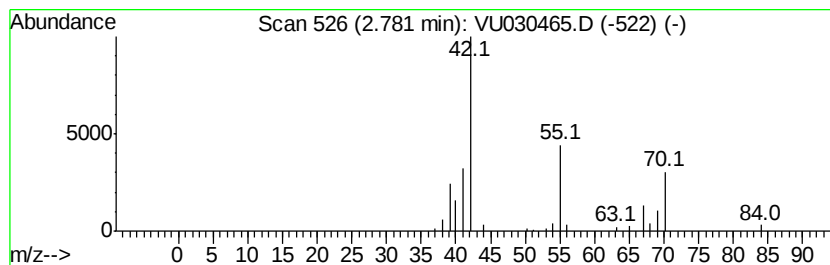
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Peak Number 3 (DEL) Alkane: Cyclic2.78 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	3.52 ug/L	80080	1,4-Difluorobenzene	5.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane	70	C5H10	000287-92-3	72
2			Cyclopentane	70	C5H10	000287-92-3	64
3			1-Pentene	70	C5H10	000109-67-1	59
4			Cyclopropane, ethyl-	70	C5H10	001191-96-4	59
5			1-Pentene	70	C5H10	000109-67-1	32



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030465.D
Acq On : 26 Mar 2019 23:49
Operator : JC/SP
Sample : K2063-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6S3

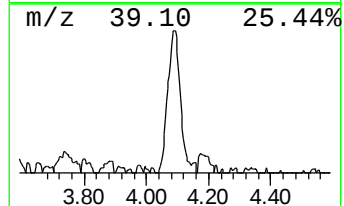
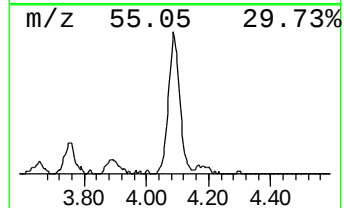
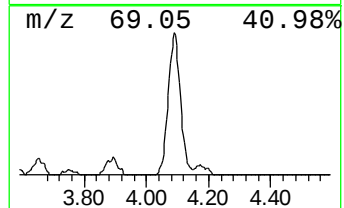
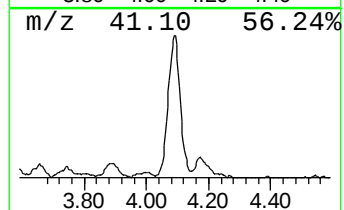
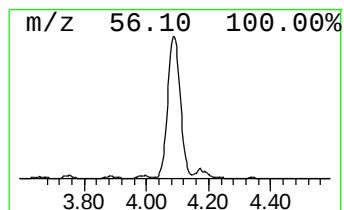
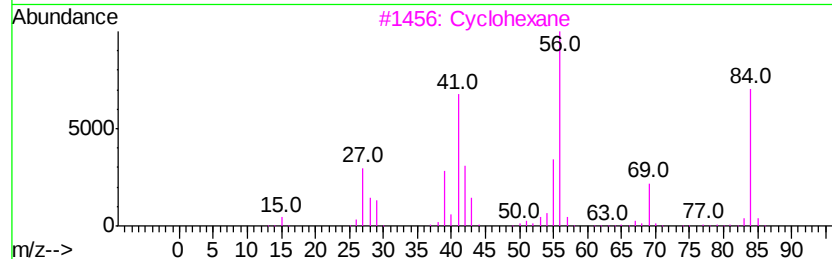
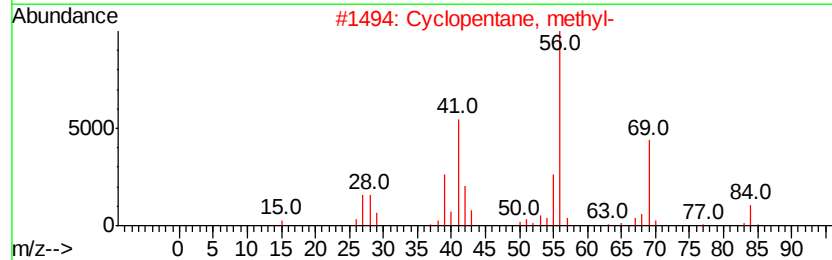
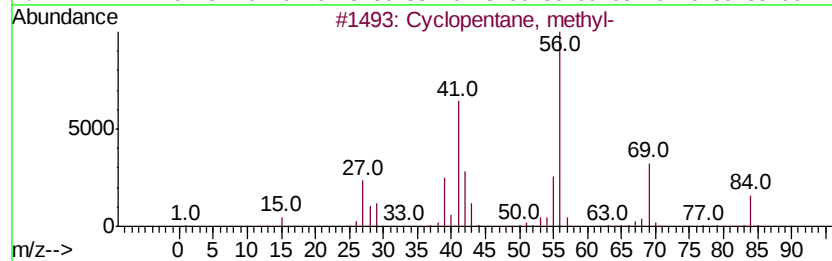
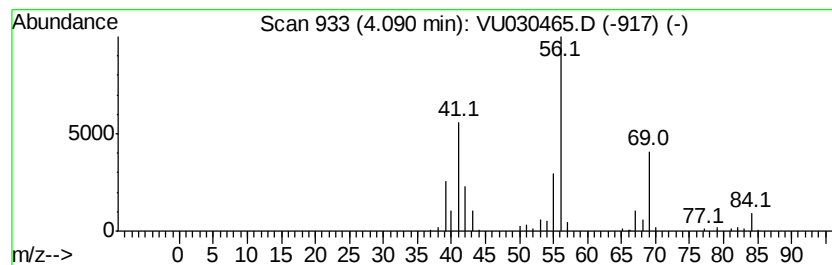
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic4.09 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	8.07 ug/L	183412	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3		Cyclohexane	84	C6H12	000110-82-7	86
4		Cyclohexane	84	C6H12	000110-82-7	80
5		Cyclopentane, methyl-	84	C6H12	000096-37-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030465.D
Acq On : 26 Mar 2019 23:49
Operator : JC/SP
Sample : K2063-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

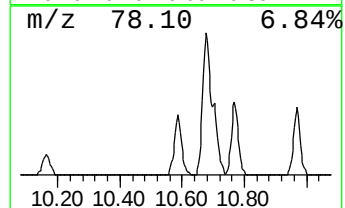
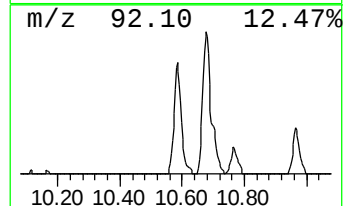
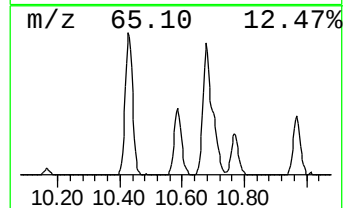
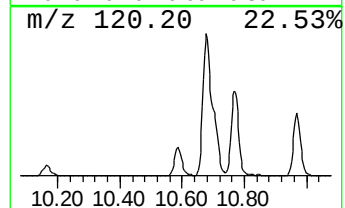
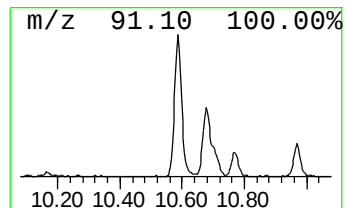
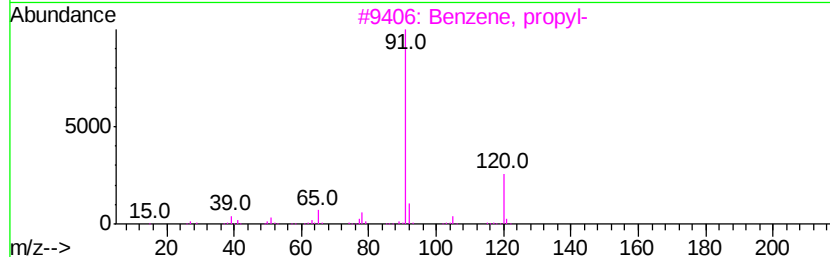
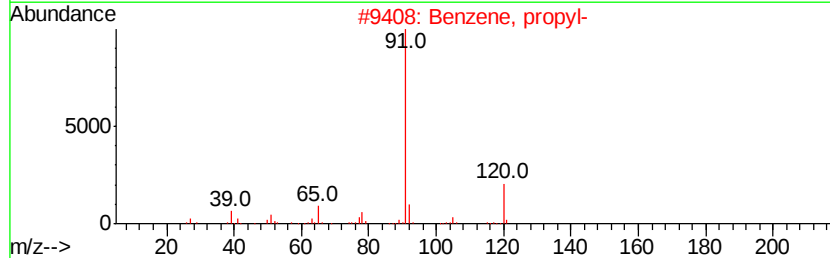
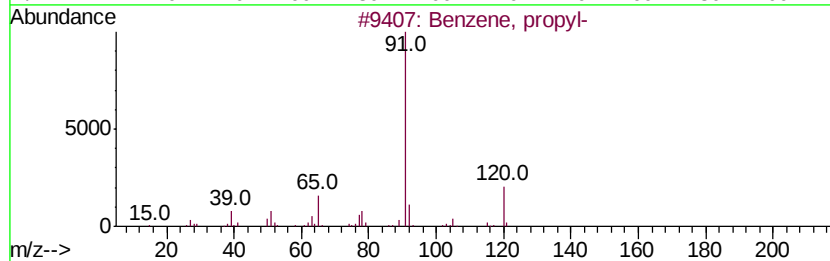
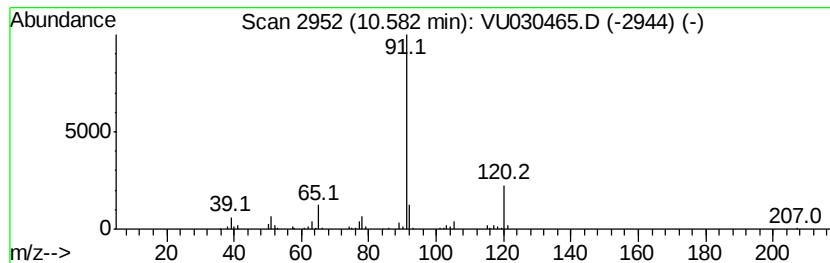
Instrument :
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ClientSampleId :
DB6S3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

Peak Number 6 Benzene, propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	4.52 ug/L	112563	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		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 80
4		Ethanol, 2-[(phenylmethyl)amino]-	151 C9H13NO	000104-63-2 72
5		1,2-Ethanediamine, N-(phenylmeth...	150 C9H14N2	004152-09-4 72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030465.D
Acq On : 26 Mar 2019 23:49
Operator : JC/SP
Sample : K2063-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

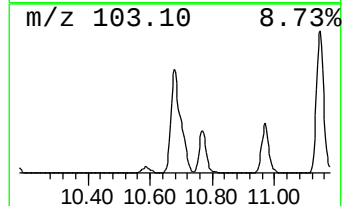
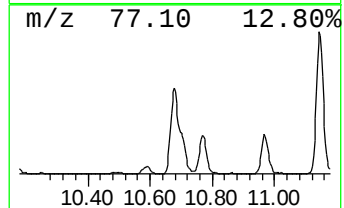
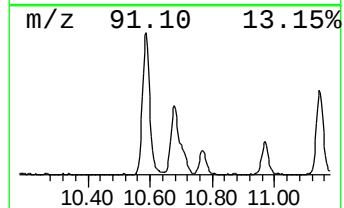
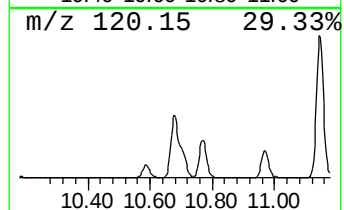
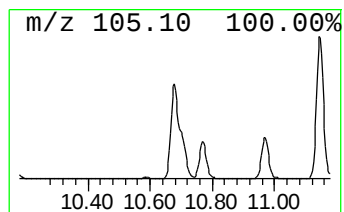
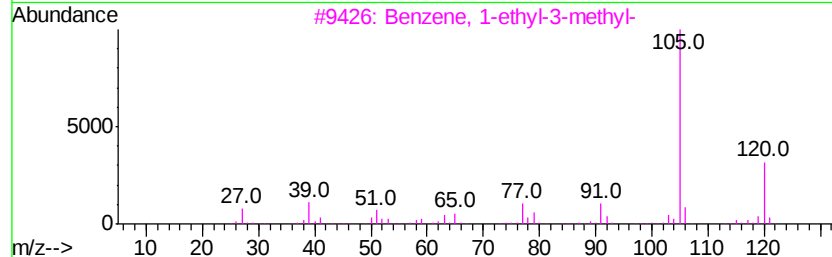
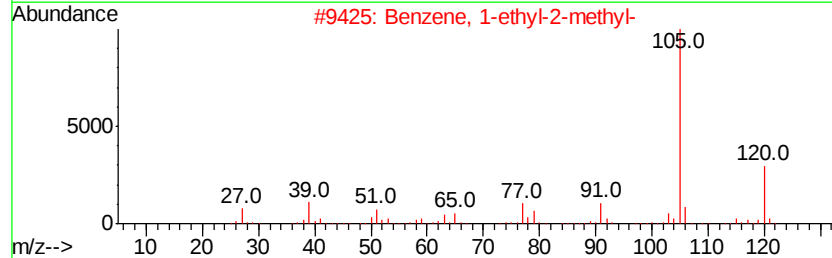
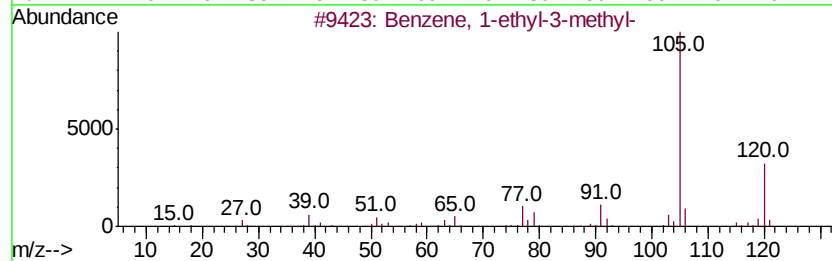
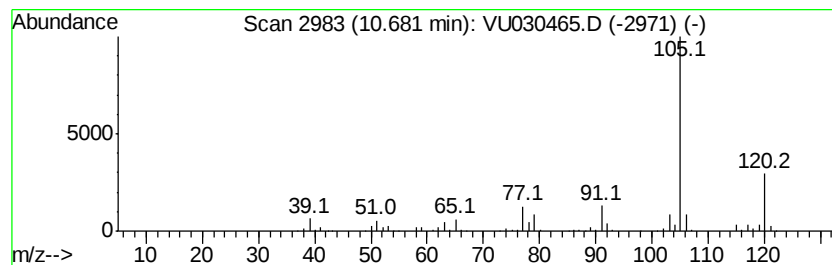
Instrument :
MSVOA_U
ClientSampleId :
DB6S3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	27.07 ug/L	674417	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 97
2		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 95
3		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 95
4		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 95
5		Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030465.D
Acq On : 26 Mar 2019 23:49
Operator : JC/SP
Sample : K2063-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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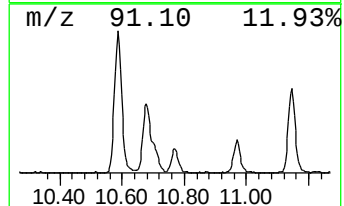
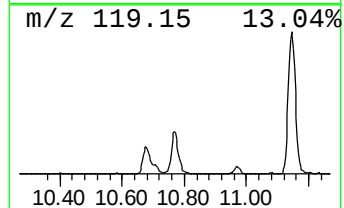
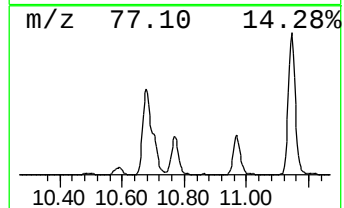
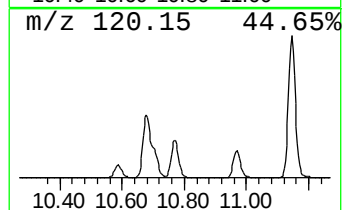
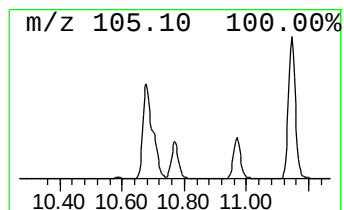
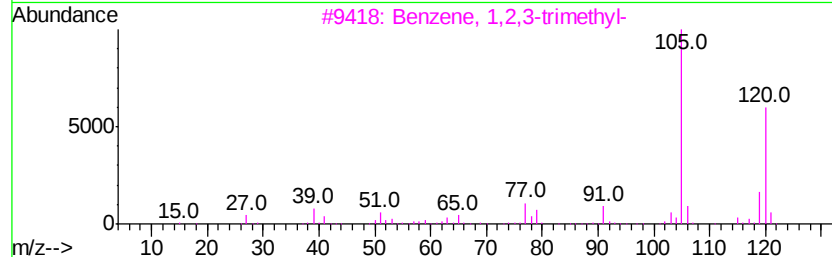
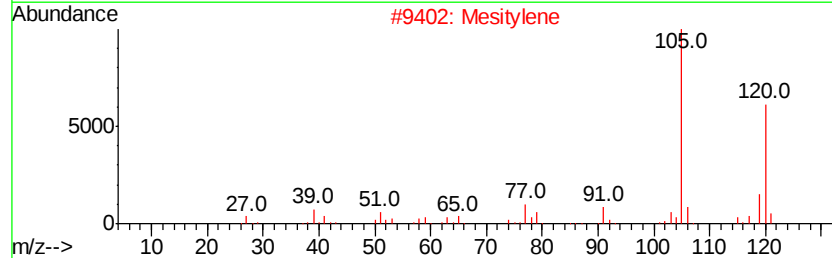
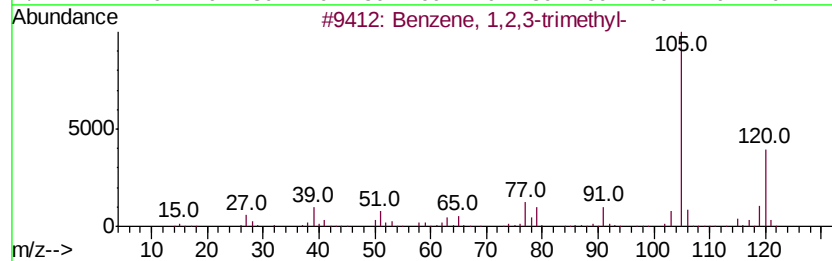
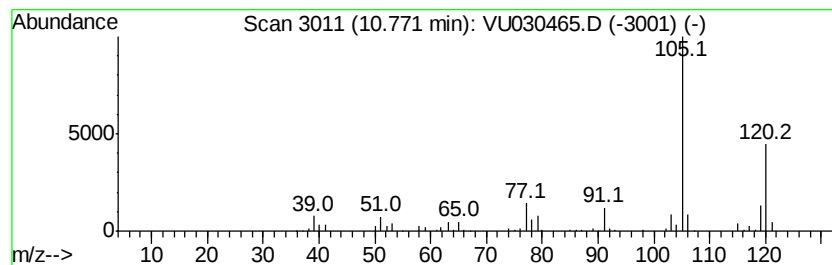
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	8.63 ug/L	214971	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4		Mesitylene	120	C9H12	000108-67-8	94
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030465.D
Acq On : 26 Mar 2019 23:49
Operator : JC/SP
Sample : K2063-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

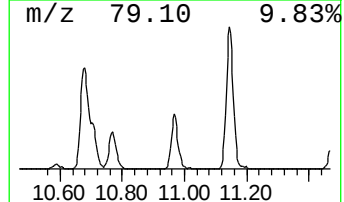
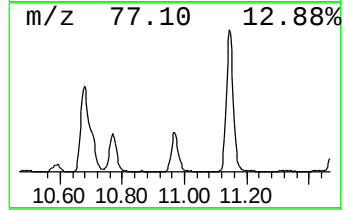
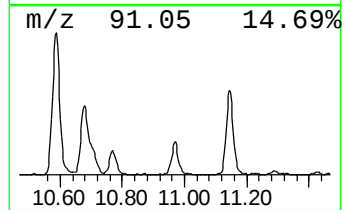
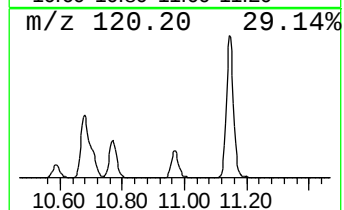
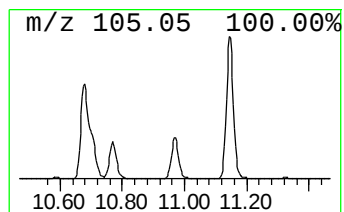
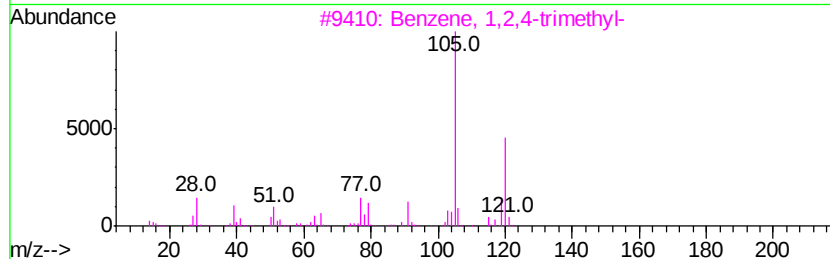
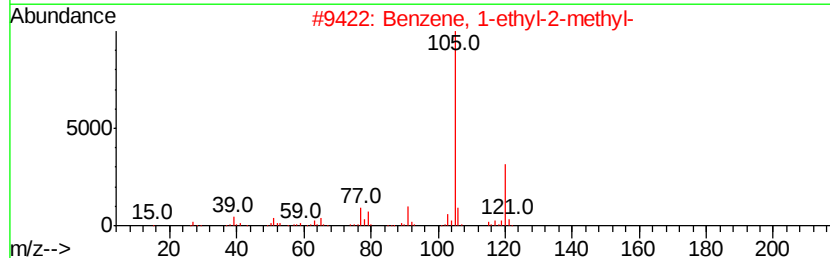
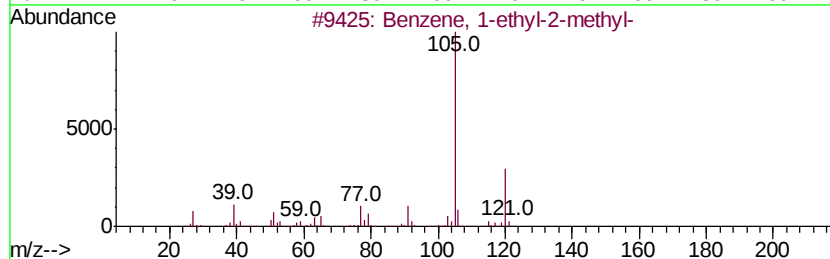
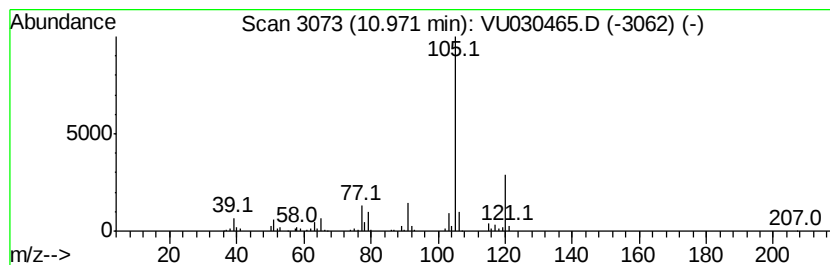
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	8.87 ug/L	221077	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 95
2		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 94
3		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 91
4		Mesitylene	120 C9H12	000108-67-8 91
5		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030465.D
Acq On : 26 Mar 2019 23:49
Operator : JC/SP
Sample : K2063-10 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6S3

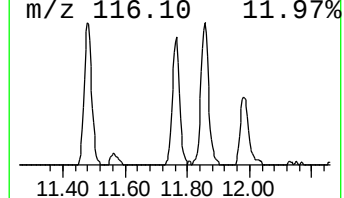
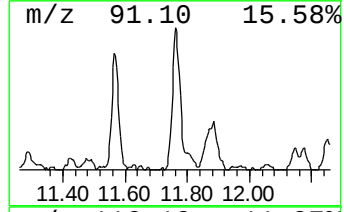
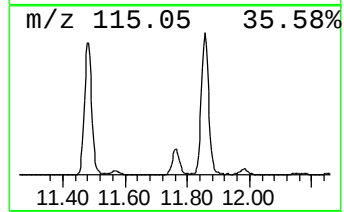
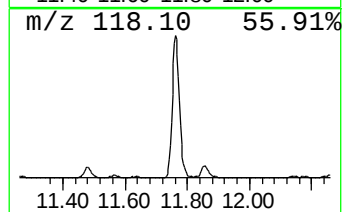
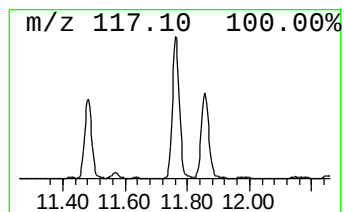
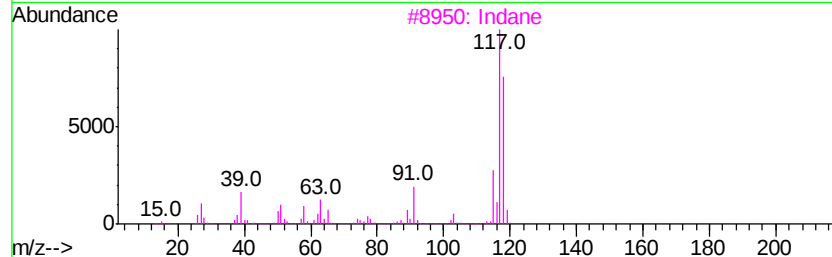
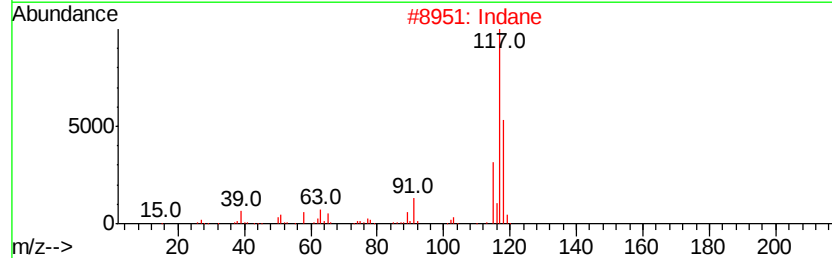
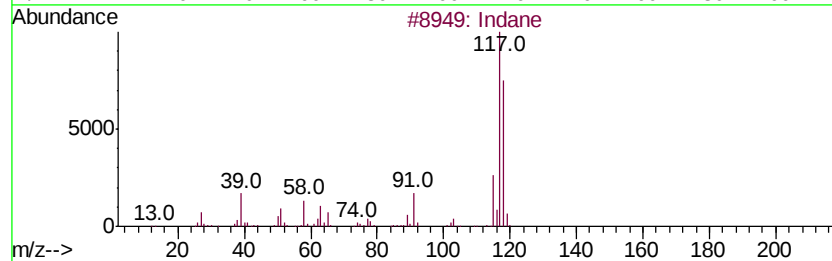
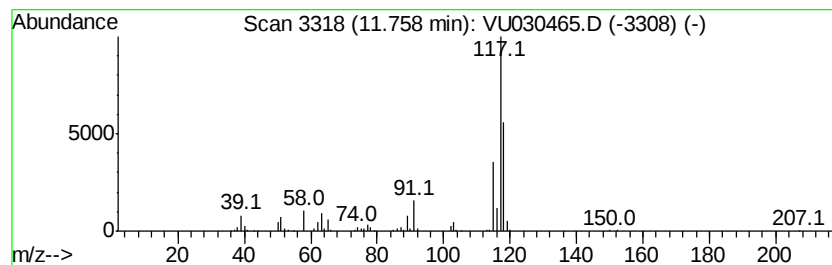
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Quant Title : VOC Analysis

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

Peak Number 12 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	9.01 ug/L	224531	1,4-Dichlorobenzene-d4	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	96
2	Indane		118	C9H10	000496-11-7	95
3	Indane		118	C9H10	000496-11-7	90
4	Indane		118	C9H10	000496-11-7	81
5	Benzene, cyclopropyl-		118	C9H10	000873-49-4	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030465.D
Acq On : 26 Mar 2019 23:49
Operator : JC/SP
Sample : K2063-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6S3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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...	1.75	8.6	ug/L	195081	1	5.88	1136190	50.0
(DEL) Alkane: Str...	1.94	2.9	ug/L	66594	1	5.88	1136190	50.0
(DEL) Alkane: Cyc...	2.78	3.5	ug/L	80080	1	5.88	1136190	50.0
(DEL) Alkane: Cyc...	4.09	8.1	ug/L	183412	1	5.88	1136190	50.0
Benzene, propyl-	10.58	4.5	ug/L	112563	3	11.48	1245620	50.0
Benzene, 1-ethyl-...	10.68	27.1	ug/L	674417	3	11.48	1245620	50.0
Benzene, 1,2,3-tr...	10.77	8.6	ug/L	214971	3	11.48	1245620	50.0
Benzene, 1-ethyl-...	10.97	8.9	ug/L	221077	3	11.48	1245620	50.0
Indane	11.76	9.0	ug/L	224531	3	11.48	1245620	50.0