

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
 Data File : VU028420.D
 Acq On : 30 Nov 2018 13:59
 Operator : MD/SY
 Sample : J6077-06ME
 Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y41ME

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\SOMULM113018WMA.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	1.395	58	69	81	rBV3	369659	481025	25.71%	1.365%
2	1.640	139	145	156	rBV	243214	261528	13.98%	0.742%
3	1.694	157	162	170	rVV	134117	140485	7.51%	0.399%
4	1.836	198	206	212	rBV	71789	99413	5.31%	0.282%
5	1.881	212	220	243	rVB	313374	474977	25.39%	1.348%
6	1.997	248	256	266	rVB	47470	68694	3.67%	0.195%
7	2.141	293	301	312	rVB2	56581	87724	4.69%	0.249%
8	2.238	320	331	345	rBV	402498	629397	33.65%	1.786%
9	2.710	468	478	488	rVV2	132948	268217	14.34%	0.761%
10	2.762	488	494	509	rVV5	40646	86071	4.60%	0.244%
11	2.968	540	558	577	rVB	73281	161616	8.64%	0.459%
12	3.177	605	623	638	rBV2	111782	248016	13.26%	0.704%
13	3.276	638	654	678	rVB	303641	646028	34.54%	1.834%
14	3.534	726	734	751	rVB	32123	70006	3.74%	0.199%
15	3.717	776	791	807	rBV5	19458	63091	3.37%	0.179%
16	4.071	882	901	920	rBV3	132050	355300	18.99%	1.008%
17	4.189	920	938	981	rBV2	133572	481770	25.75%	1.367%
18	4.646	1059	1080	1099	rBV	286888	725407	38.78%	2.059%
19	4.765	1104	1117	1133	rVB3	62444	143043	7.65%	0.406%
20	4.977	1167	1183	1196	rBV3	144943	357996	19.14%	1.016%
21	5.054	1196	1207	1233	rVB9	39930	136145	7.28%	0.386%
22	5.206	1236	1254	1272	rBV2	106850	276504	14.78%	0.785%
23	5.331	1272	1293	1303	rBV2	659425	1870621	100.00%	5.309%
24	5.469	1325	1336	1345	rBV4	61180	133856	7.16%	0.380%
25	5.611	1369	1380	1387	rBV2	102070	212095	11.34%	0.602%
26	5.656	1388	1394	1414	rVB3	111955	225565	12.06%	0.640%
27	5.771	1414	1430	1443	rBV	443663	876764	46.87%	2.488%
28	5.881	1451	1464	1476	rBV	637414	1287840	68.85%	3.655%
29	6.212	1550	1567	1587	rBV4	40682	98473	5.26%	0.279%
30	6.328	1588	1603	1614	rBV	422607	877731	46.92%	2.491%
31	6.405	1615	1627	1641	rVB3	279751	630625	33.71%	1.790%
32	6.633	1683	1698	1712	rBV	76690	146843	7.85%	0.417%
33	6.733	1712	1729	1742	rVB2	40370	83432	4.46%	0.237%
34	6.839	1743	1762	1770	rBV8	25860	88182	4.71%	0.250%

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Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

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 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
 Title : VOC Analysis

35	6.897	1770	1780	1802	rVB5	54614	141219	7.55%	0.401%
36	7.064	1820	1832	1840	rBV	80605	164154	8.78%	0.466%
37	7.173	1856	1866	1874	rBV2	177874	302345	16.16%	0.858%
38	7.225	1874	1882	1901	rVB	267908	543925	29.08%	1.544%
39	7.337	1907	1917	1924	rBV	74438	123857	6.62%	0.352%
40	7.424	1934	1944	1958	rVB3	91784	182427	9.75%	0.518%
41	7.524	1962	1975	1977	rBV2	126357	170779	9.13%	0.485%
42	7.562	1978	1987	2001	rVB	835940	1488776	79.59%	4.225%
43	7.636	2001	2010	2022	rBV2	113816	226905	12.13%	0.644%
44	7.723	2023	2037	2047	rBV4	128950	258978	13.84%	0.735%
45	7.816	2057	2066	2073	rBV	456278	748458	40.01%	2.124%
46	7.910	2087	2095	2108	rVB3	99246	183149	9.79%	0.520%
47	8.041	2127	2136	2144	rBV3	46699	75001	4.01%	0.213%
48	8.093	2144	2152	2162	rBV3	43140	74296	3.97%	0.211%
49	8.321	2211	2223	2237	rBV2	654353	1235377	66.04%	3.506%
50	8.485	2268	2274	2282	rVB5	64134	100868	5.39%	0.286%
51	8.543	2282	2292	2299	rBV2	97700	159864	8.55%	0.454%
52	8.604	2305	2311	2332	rVB3	76632	152790	8.17%	0.434%
53	8.749	2346	2356	2368	rVB7	77644	156555	8.37%	0.444%
54	8.906	2398	2405	2414	rVB3	107945	162204	8.67%	0.460%
55	9.029	2433	2443	2451	rVB2	142351	219668	11.74%	0.623%
56	9.090	2451	2462	2475	rBV	946403	1624612	86.85%	4.611%
57	9.250	2503	2512	2523	rBV	105686	175485	9.38%	0.498%
58	9.373	2540	2550	2563	rVB2	320940	546563	29.22%	1.551%
59	9.440	2563	2571	2597	rVB	581283	956334	51.12%	2.714%
60	9.559	2597	2608	2626	rBV6	45740	106062	5.67%	0.301%
61	9.713	2644	2656	2666	rBV4	76256	155594	8.32%	0.442%
62	9.778	2667	2676	2686	rBV	124124	209829	11.22%	0.596%
63	9.948	2711	2729	2740	rBV2	139079	285406	15.26%	0.810%
64	10.045	2750	2759	2768	rBV5	92904	177819	9.51%	0.505%
65	10.164	2788	2796	2805	rBV5	35148	68241	3.65%	0.194%
66	10.254	2817	2824	2831	rVB3	52008	70916	3.79%	0.201%
67	10.318	2831	2844	2850	rBV3	90591	181010	9.68%	0.514%
68	10.437	2869	2881	2893	rBV	652987	1151567	61.56%	3.268%
69	10.681	2948	2957	2971	rBV	177934	393135	21.02%	1.116%
70	10.755	2971	2980	2990	rVV2	198972	392040	20.96%	1.113%
71	10.813	2990	2998	3019	rVB	601321	913582	48.84%	2.593%

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ClientSampleId :
F9Y41ME

Integration Parameters: LSCINT.P

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Title : VOC Analysis

72	10.906	3020	3027	3039	rBV	27080	67597	3.61%	0.192%
73	10.974	3040	3048	3055	rBV2	80095	120637	6.45%	0.342%
74	11.112	3084	3091	3096	rBV2	79130	117044	6.26%	0.332%
75	11.147	3096	3102	3116	rVB	205587	317582	16.98%	0.901%
76	11.334	3153	3160	3169	rVB6	47706	78569	4.20%	0.223%
77	11.398	3171	3180	3186	rBV2	78794	130101	6.95%	0.369%
78	11.485	3196	3207	3217	rBV	1145366	1783410	95.34%	5.062%
79	11.569	3226	3233	3241	rBV2	119995	174402	9.32%	0.495%
80	11.607	3241	3245	3254	rVB	58501	74641	3.99%	0.212%
81	11.700	3267	3274	3283	rVB3	51248	73880	3.95%	0.210%
82	11.771	3286	3296	3303	rVV3	80663	150679	8.06%	0.428%
83	11.810	3303	3308	3314	rVV	64831	92348	4.94%	0.262%
84	11.861	3314	3324	3345	rVB	999740	1696847	90.71%	4.816%
85	11.977	3350	3360	3366	rBV4	135849	219652	11.74%	0.623%
86	12.022	3366	3374	3393	rVB	579046	865258	46.26%	2.456%
87	12.176	3417	3422	3430	rVB3	62555	87135	4.66%	0.247%
88	12.247	3437	3444	3452	rVB3	68397	113655	6.08%	0.323%
89	12.356	3470	3478	3486	rBV3	105145	165053	8.82%	0.468%
90	12.610	3548	3557	3562	rBV4	69771	111776	5.98%	0.317%
91	12.700	3578	3585	3592	rBV2	80119	126004	6.74%	0.358%
92	12.826	3617	3624	3635	rVV5	43544	85338	4.56%	0.242%
93	12.964	3659	3667	3681	rVB	66346	100597	5.38%	0.286%
94	13.083	3696	3704	3708	rBV4	60076	84994	4.54%	0.241%
95	13.122	3708	3716	3733	rVB2	503239	751421	40.17%	2.133%
96	13.279	3757	3765	3777	rBV4	83885	161653	8.64%	0.459%
97	13.742	3903	3909	3917	rVB	64565	96324	5.15%	0.273%
98	14.141	4025	4033	4050	rVB2	93681	153574	8.21%	0.436%
99	14.880	4253	4263	4278	rBV3	44254	89935	4.81%	0.255%
100	15.064	4311	4320	4337	rBV4	26187	68787	3.68%	0.195%

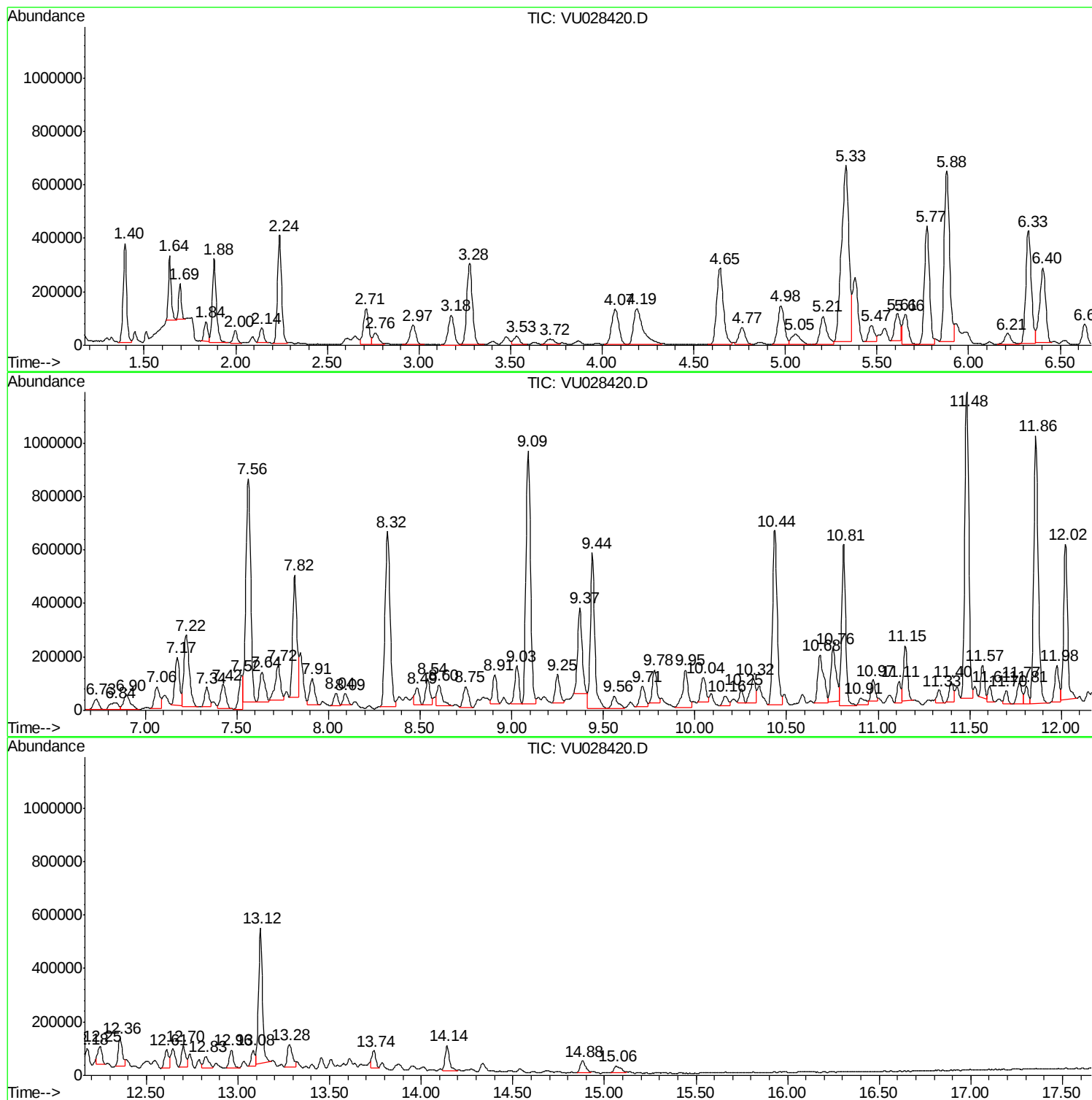
Sum of corrected areas: 35233163

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Instrument :
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ClientSampleId :
F9Y41ME

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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



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Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

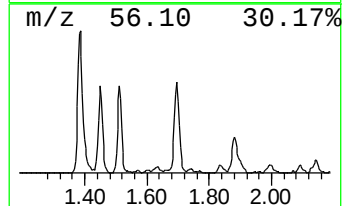
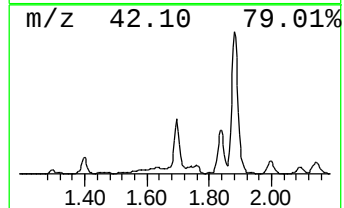
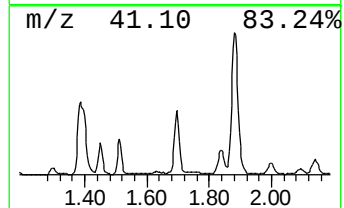
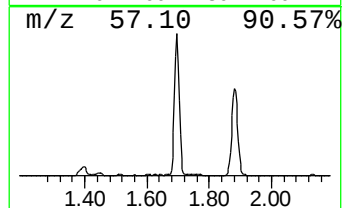
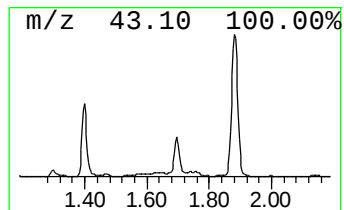
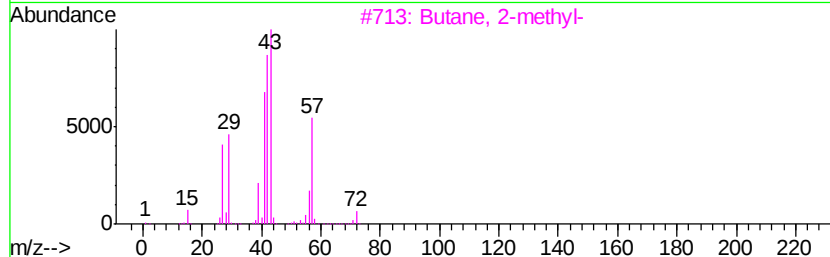
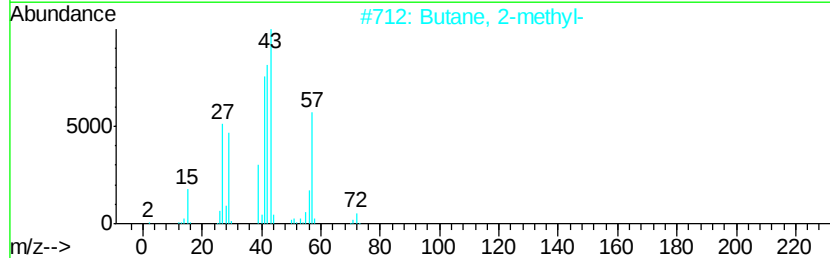
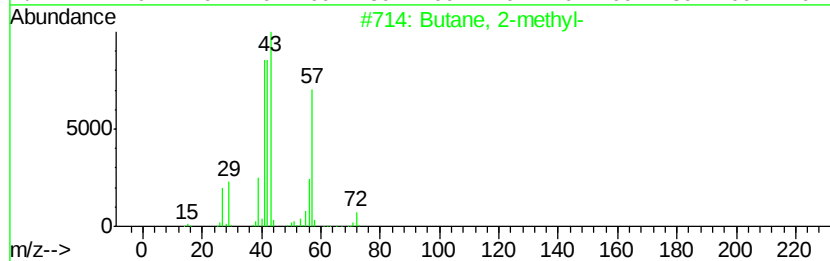
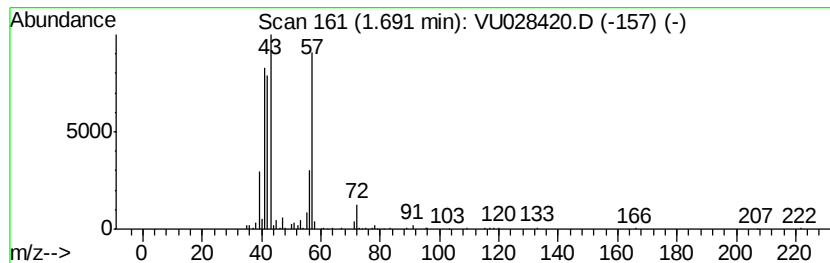
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.69	5.45 ug/L	140485	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2		Butane, 2-methyl-	72	C5H12	000078-78-4	78
3		Butane, 2-methyl-	72	C5H12	000078-78-4	78
4		Pentane	72	C5H12	000109-66-0	59
5		Oxirane, ethyl-	72	C4H8O	000106-88-7	38



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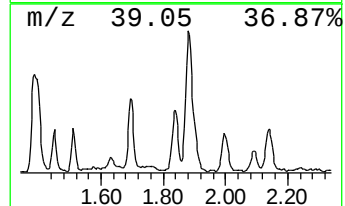
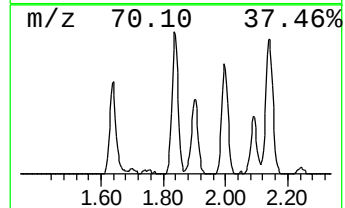
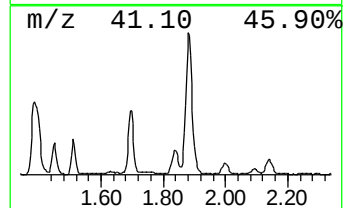
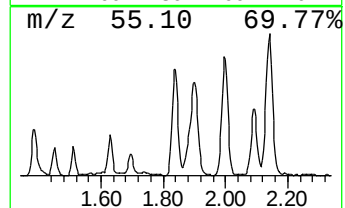
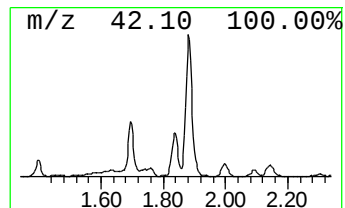
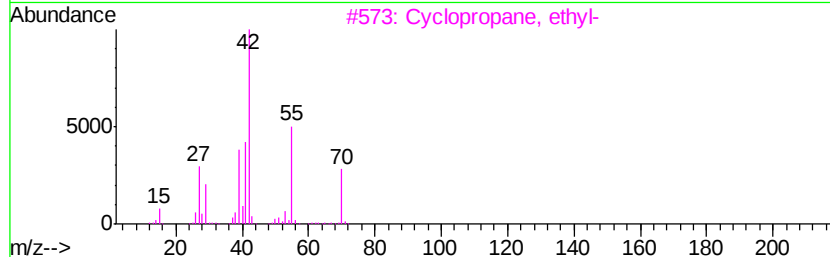
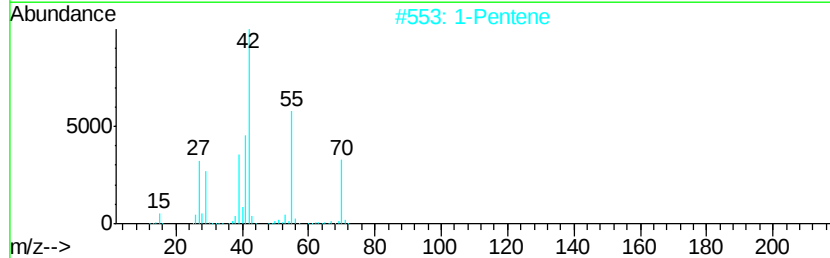
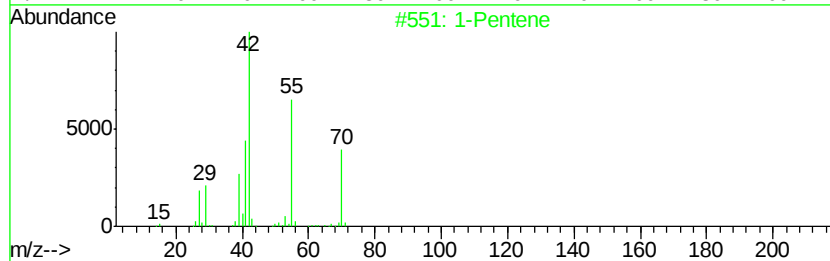
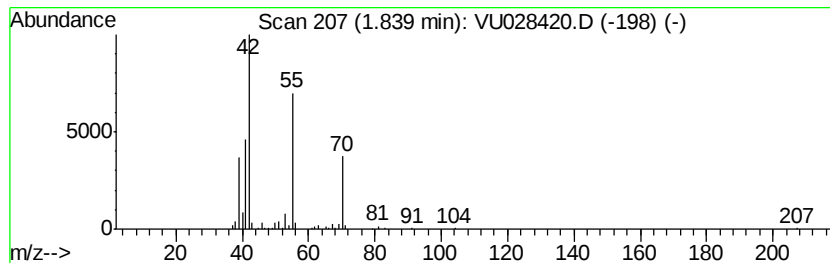
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Cyclic1.84 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.84	3.86 ug/L	99413	1,4-Difluorobenzene	5.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentene	70	C5H10	000109-67-1	87
2			1-Pentene	70	C5H10	000109-67-1	87
3			Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
4			Cyclobutane, methyl-	70	C5H10	000598-61-8	86
5			Cyclopropane, ethyl-	70	C5H10	001191-96-4	80



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ClientSampleId :
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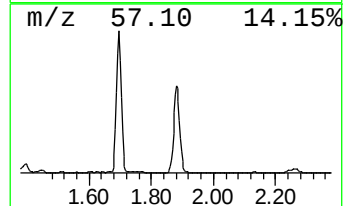
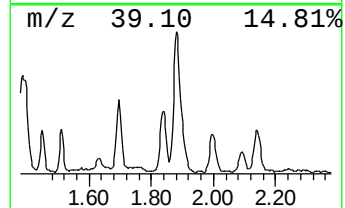
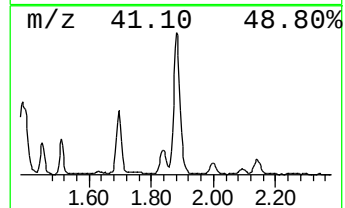
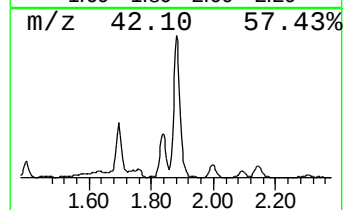
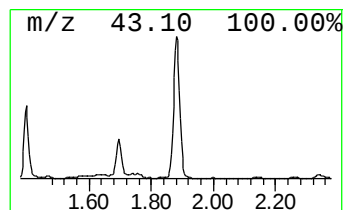
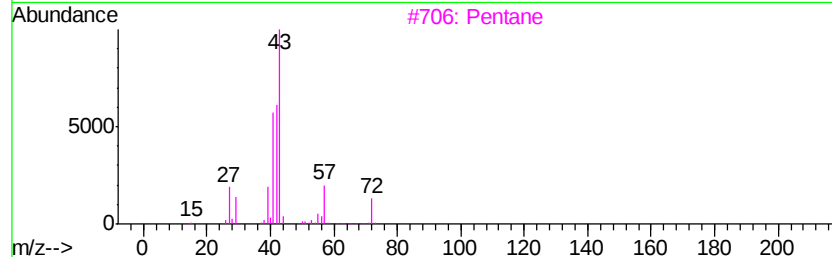
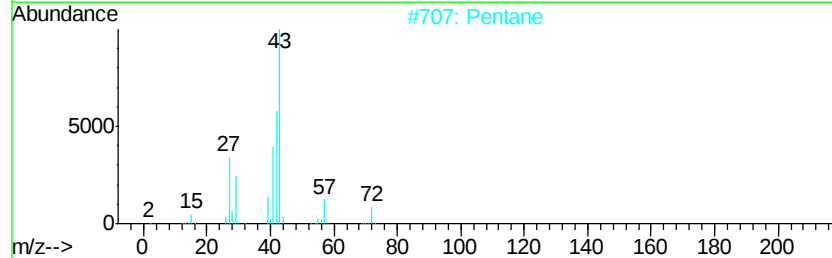
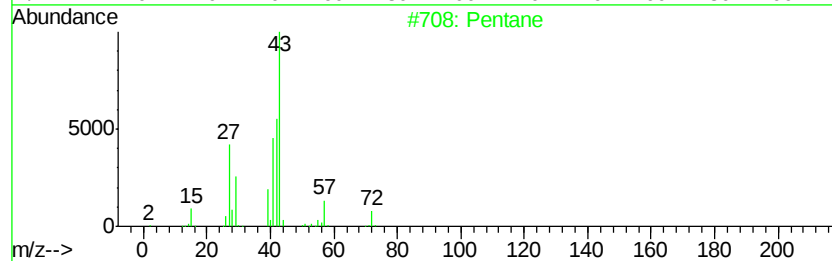
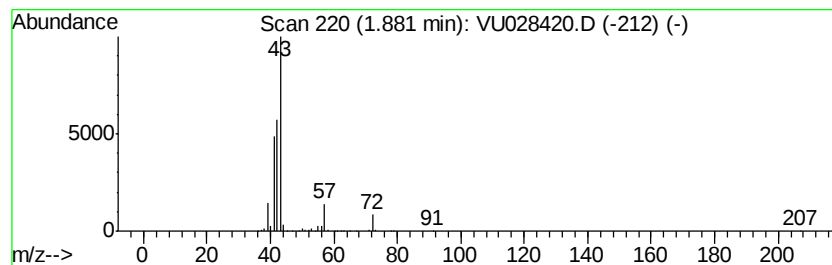
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.88	18.44 ug/L	474977	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	90
2		Pentane	72	C5H12	000109-66-0	86
3		Pentane	72	C5H12	000109-66-0	47
4		Butane, 2-methyl-	72	C5H12	000078-78-4	40
5		Pentane	72	C5H12	000109-66-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

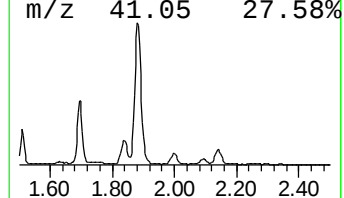
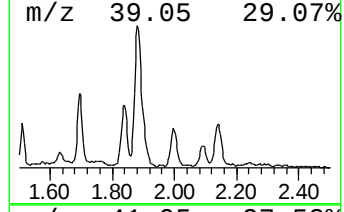
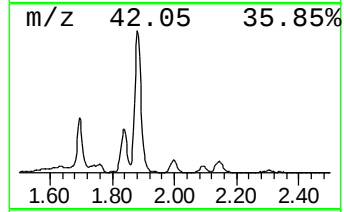
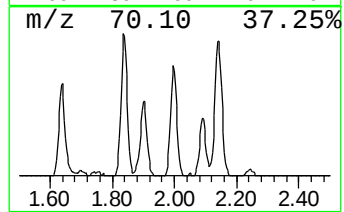
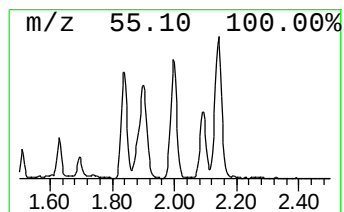
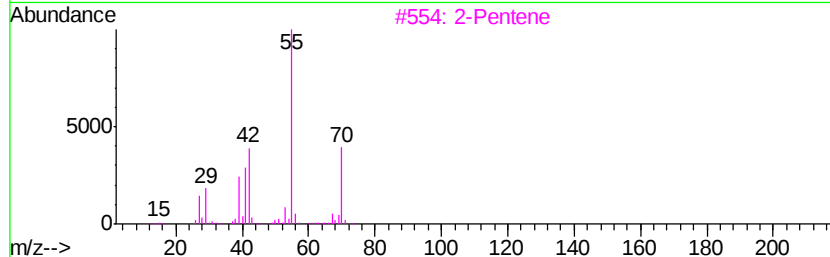
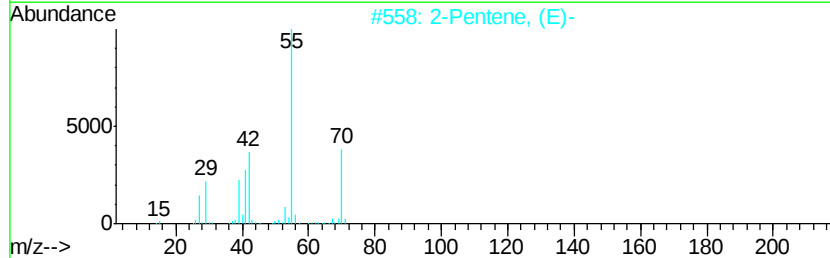
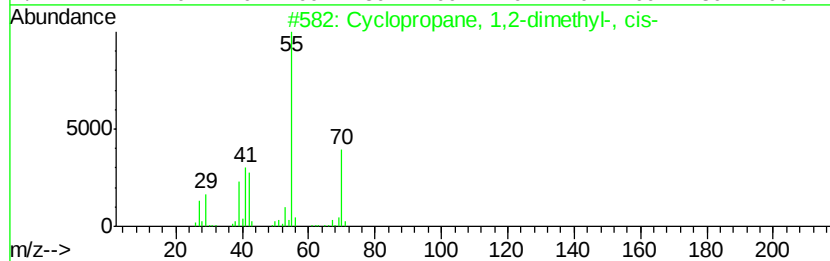
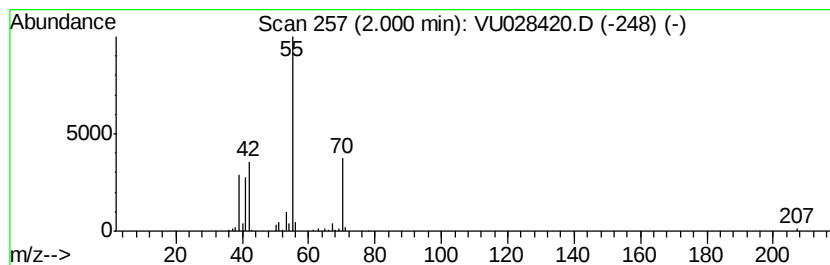
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic2.00 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	2.67 ug/L	68694	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2		2-Pentene, (E)-	70	C5H10	000646-04-8	90
3		2-Pentene	70	C5H10	000109-68-2	90
4		2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
5		2-Pentene, (Z)-	70	C5H10	000627-20-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

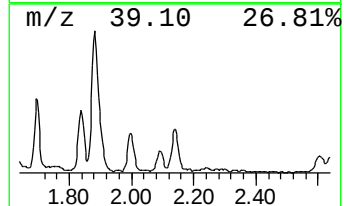
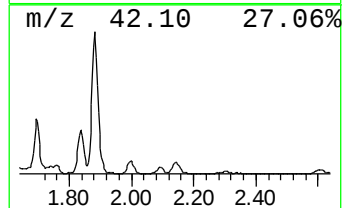
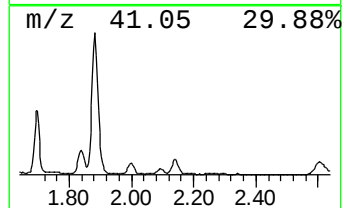
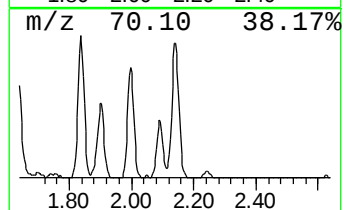
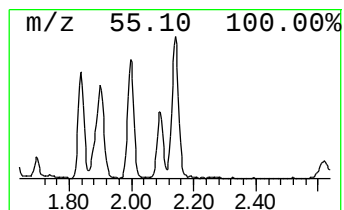
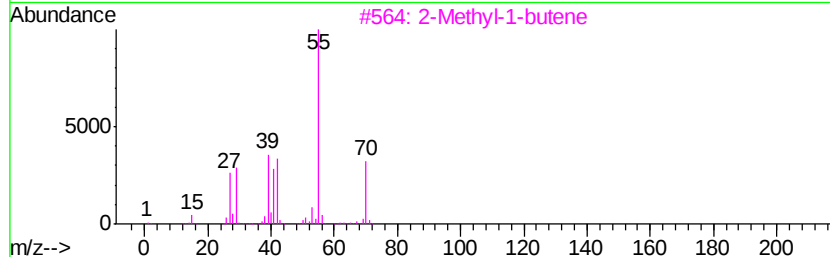
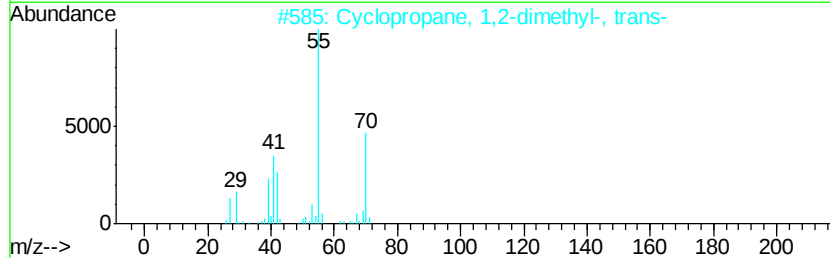
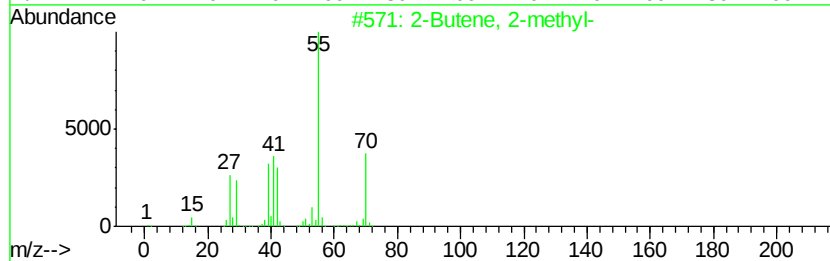
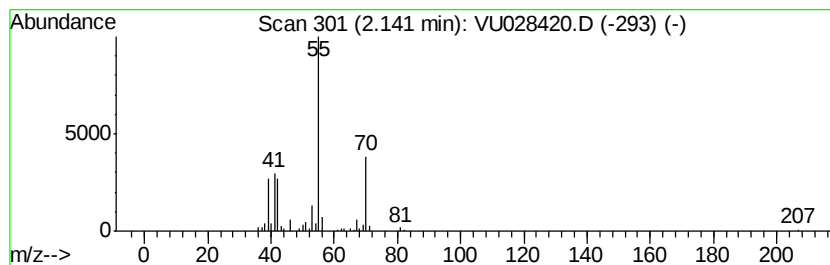
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic2.14 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	3.41 ug/L	87724	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
2		Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	90
3		2-Methyl-1-butene	70	C5H10	000563-46-2	87
4		Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
5		2-Butene, 2-methyl-	70	C5H10	000513-35-9	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

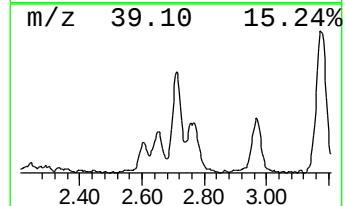
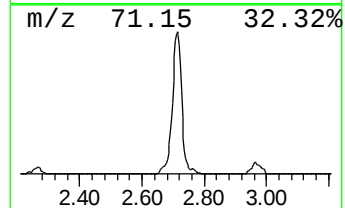
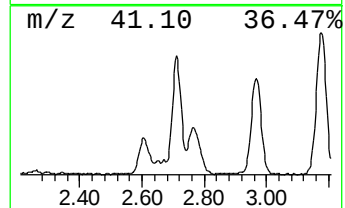
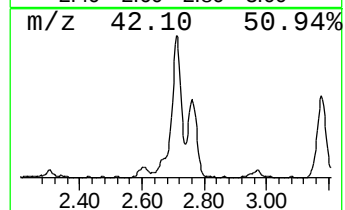
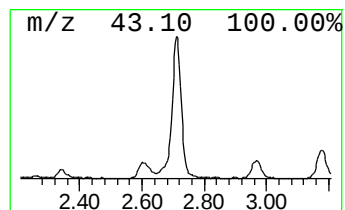
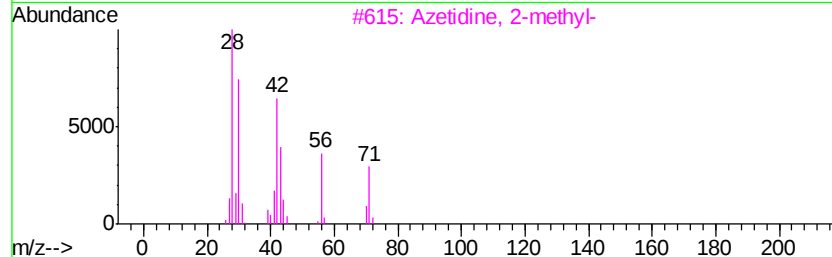
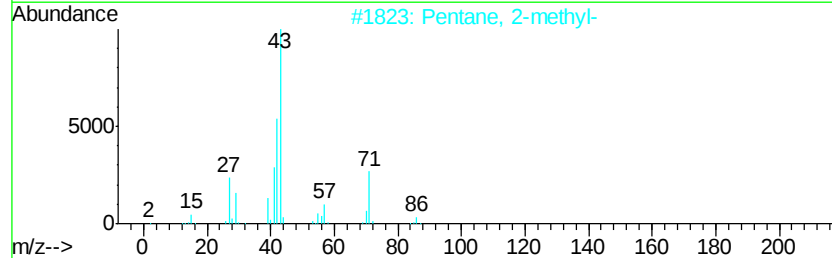
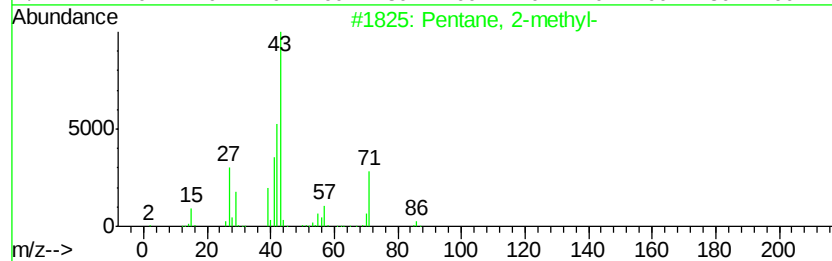
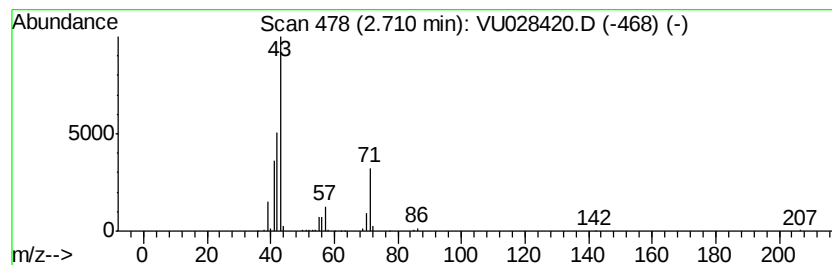
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	10.41 ug/L	268217	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2		Pentane, 2-methyl-	86	C6H14	000107-83-5	83
3		Azetidine, 2-methyl-	71	C4H9N	019812-49-8	36
4		Azetidine, 1-methyl-	71	C4H9N	004923-79-9	36
5		Pentane	72	C5H12	000109-66-0	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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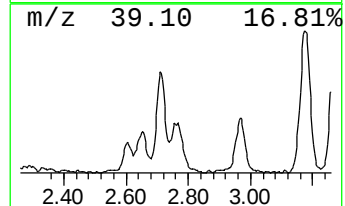
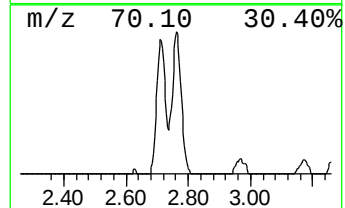
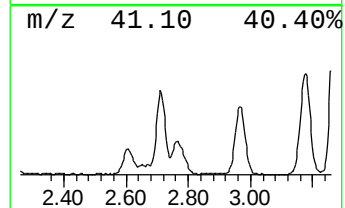
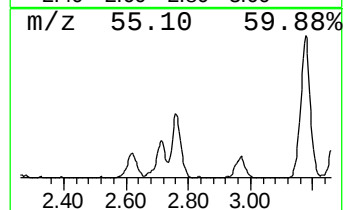
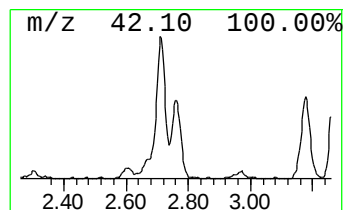
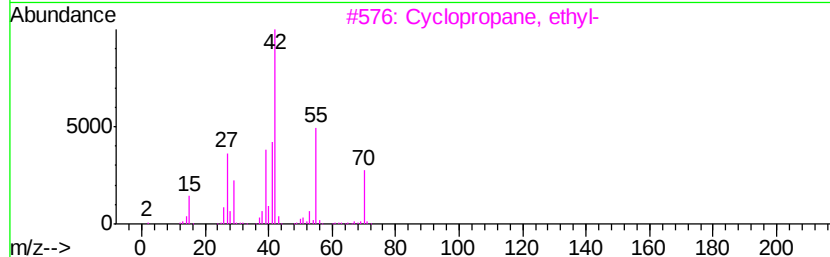
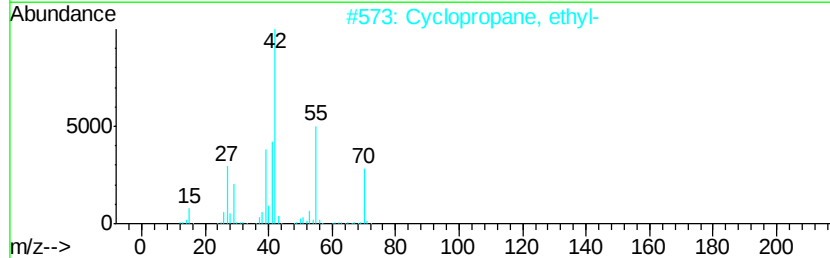
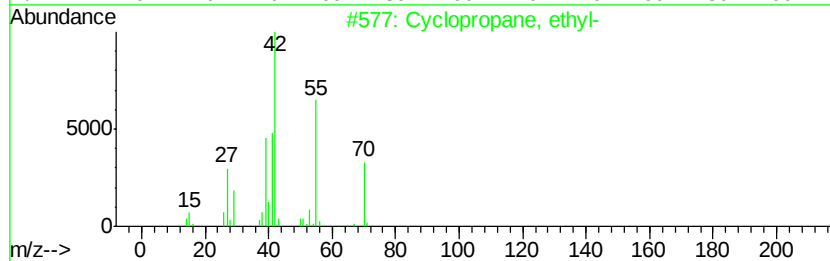
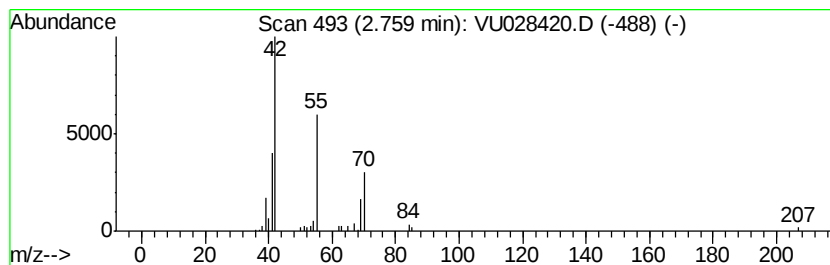
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic2.76 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	3.34 ug/L	86071	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
2		Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
3		Cyclopropane, ethyl-	70	C5H10	001191-96-4	50
4		Cyclopentane	70	C5H10	000287-92-3	50
5		1-Pentene	70	C5H10	000109-67-1	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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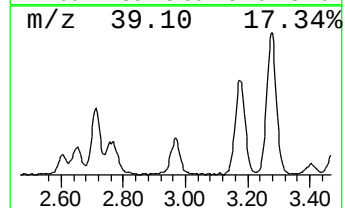
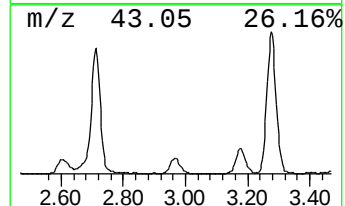
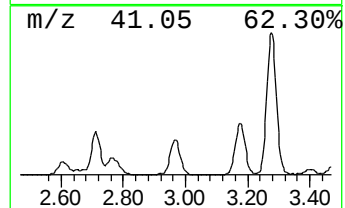
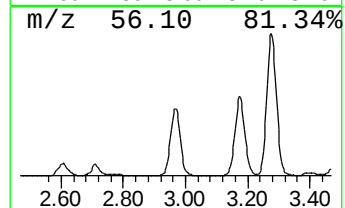
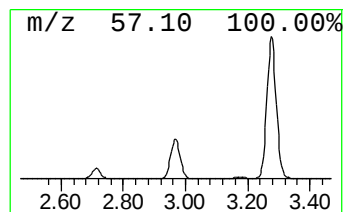
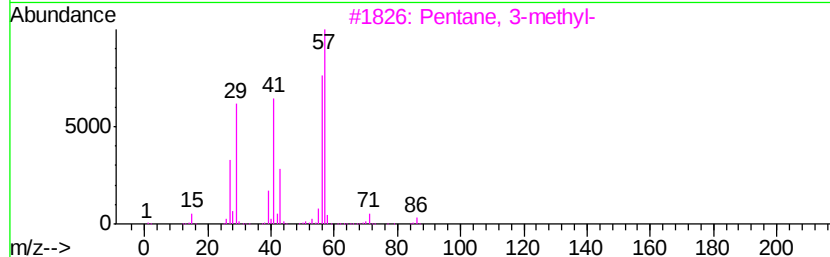
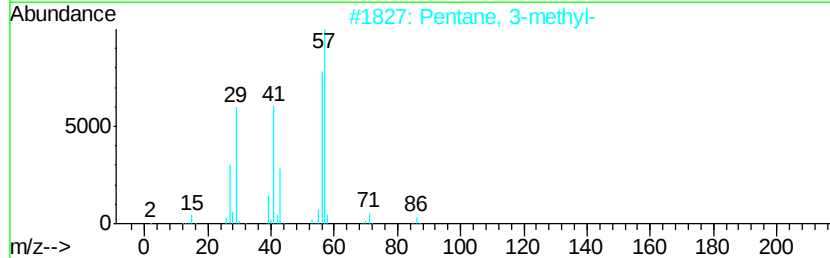
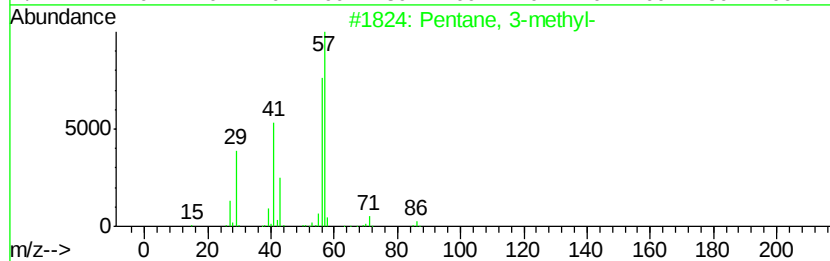
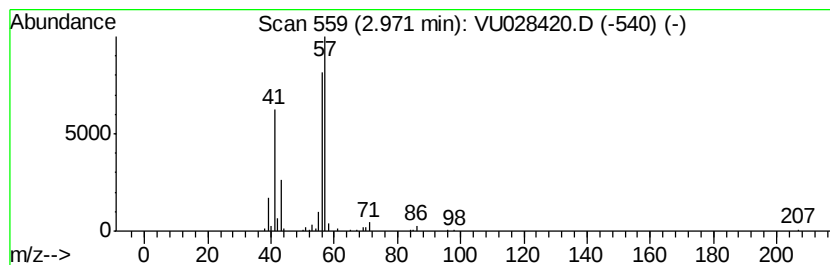
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	6.27 ug/L	161616	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3		Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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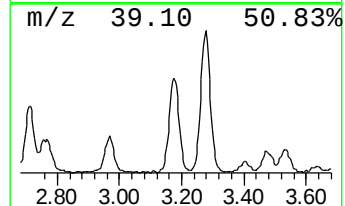
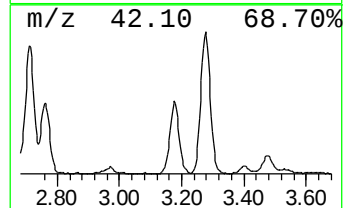
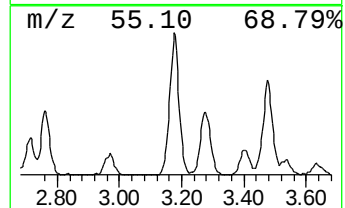
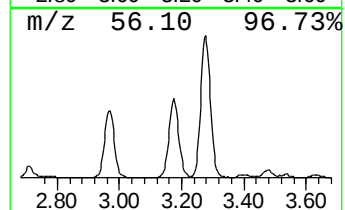
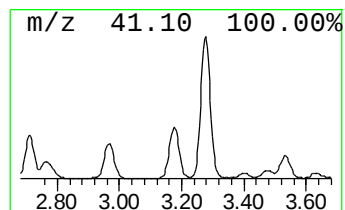
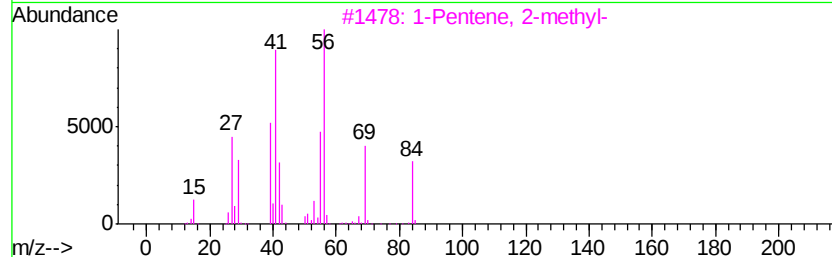
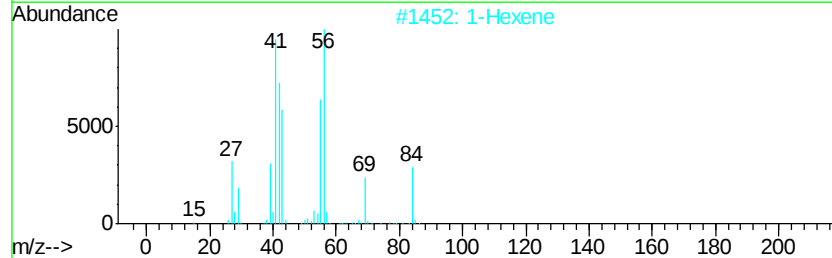
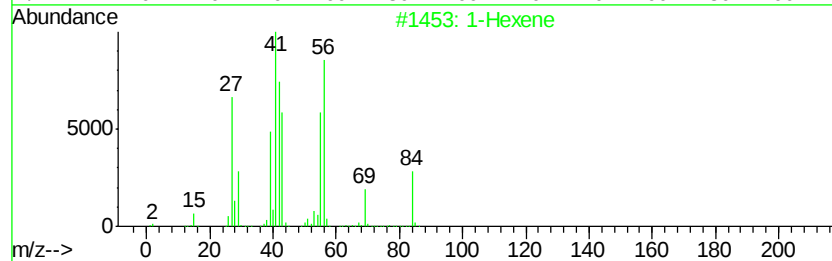
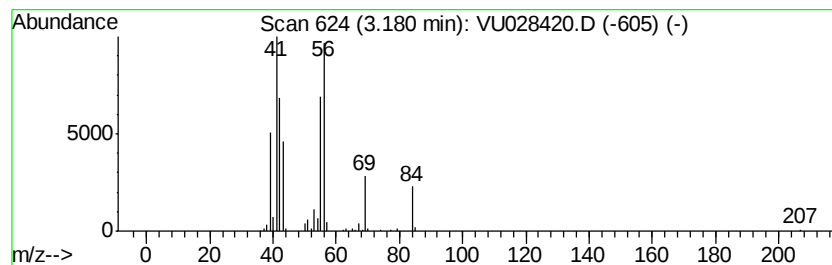
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic3.18 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	9.63 ug/L	248016	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene	84	C6H12	000592-41-6	87
2		1-Hexene	84	C6H12	000592-41-6	81
3		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
4		Cyclopropane, 1-ethyl-2-methyl-, ...	84	C6H12	019781-68-1	60
5		Cyclobutane, 1,2-diethyl-, trans-	112	C8H16	019341-98-1	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

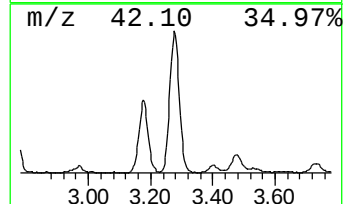
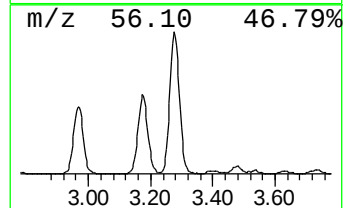
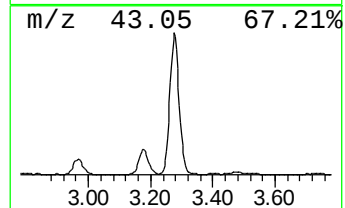
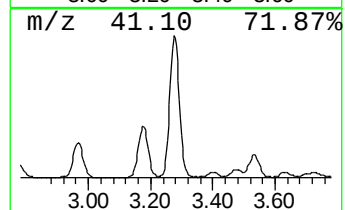
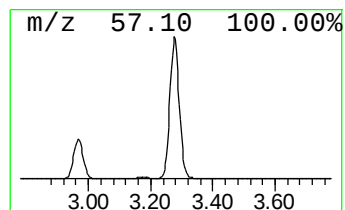
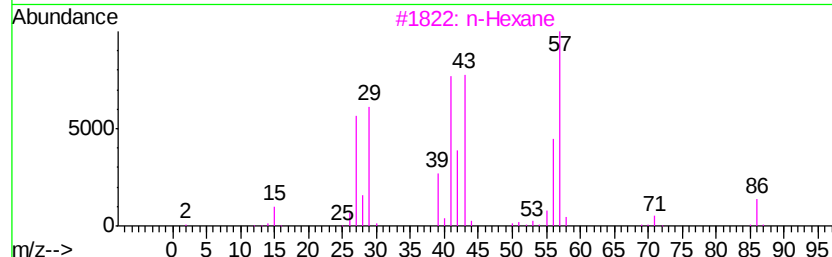
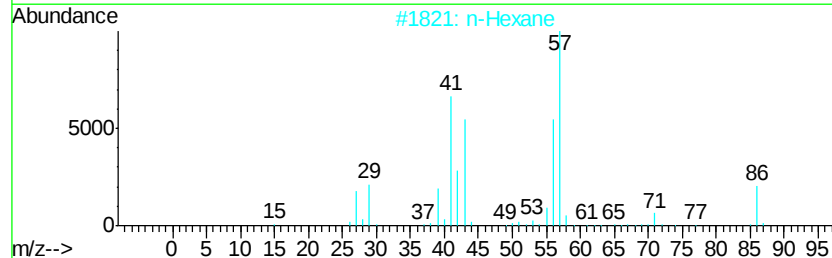
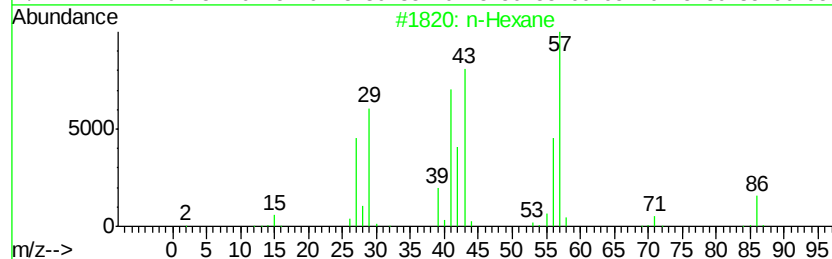
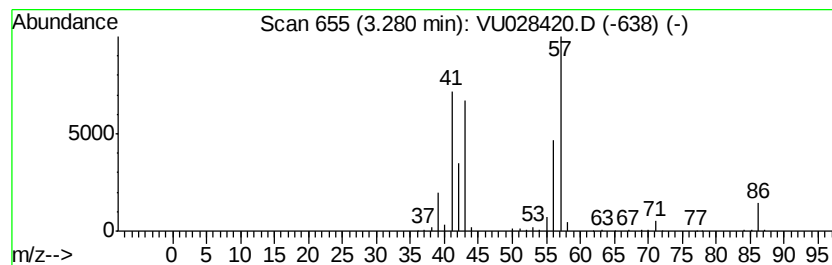
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.28	25.08 ug/L	646028	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	91
2		n-Hexane	86	C6H14	000110-54-3	91
3		n-Hexane	86	C6H14	000110-54-3	91
4		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
5		1-Pentene, 4-methyl-	84	C6H12	000691-37-2	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

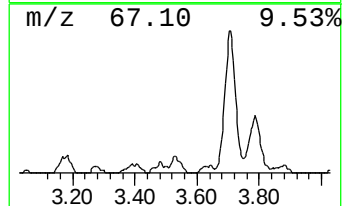
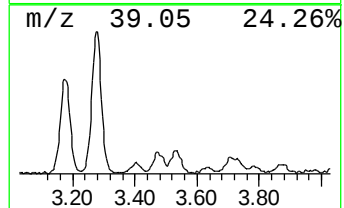
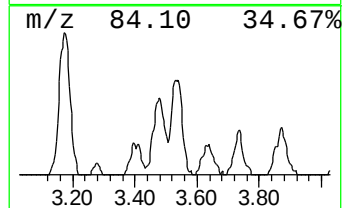
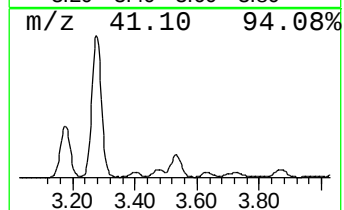
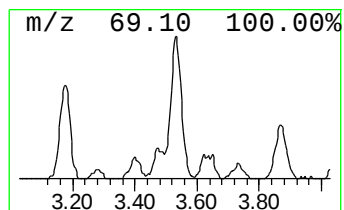
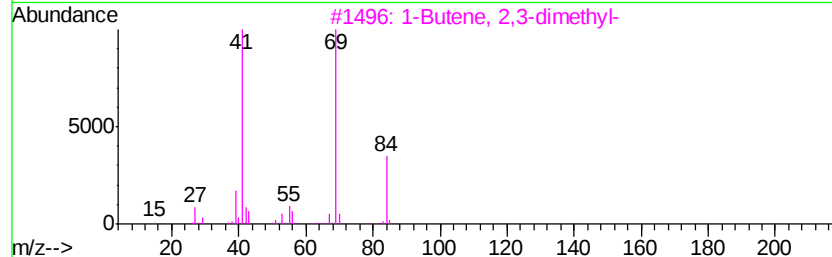
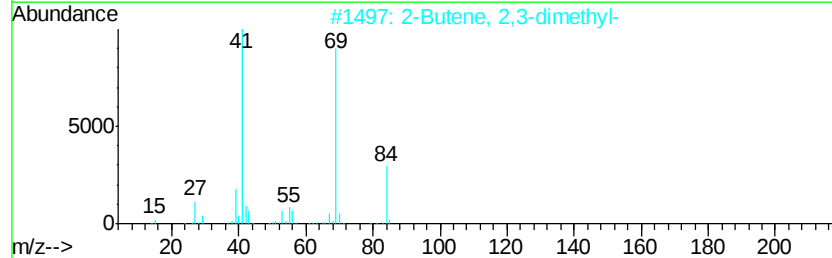
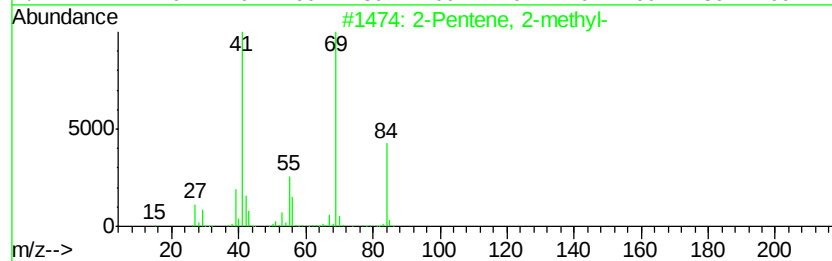
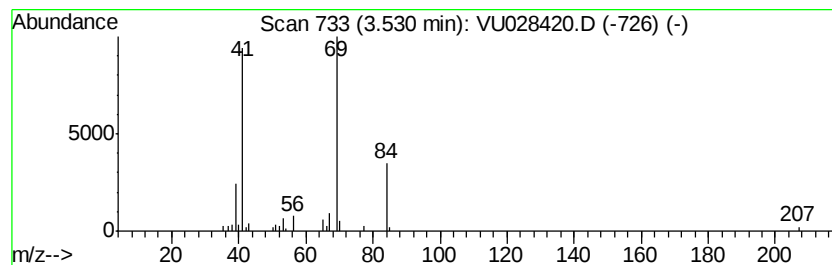
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic3.53 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	2.72 ug/L	70006	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	90
2		2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	90
3		1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	90
4		2-Pentene, 4-methyl-	84	C6H12	004461-48-7	90
5		2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

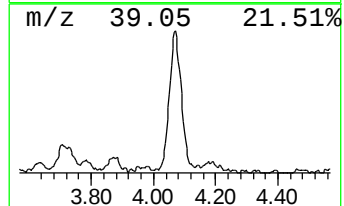
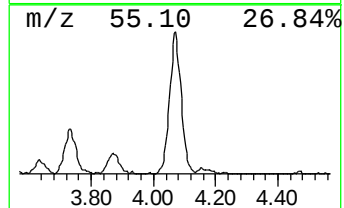
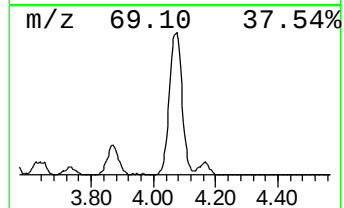
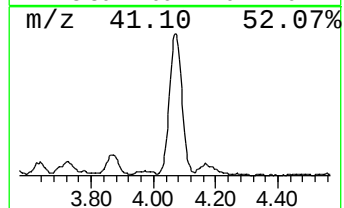
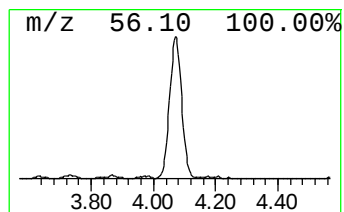
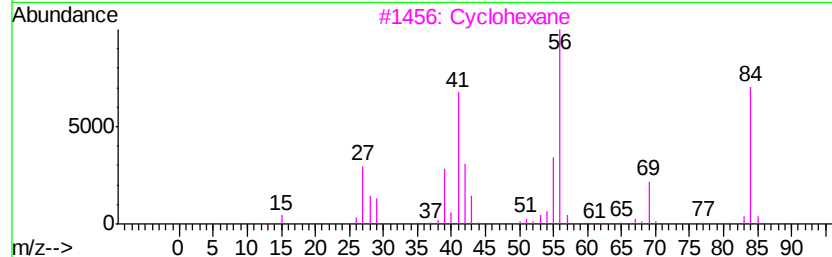
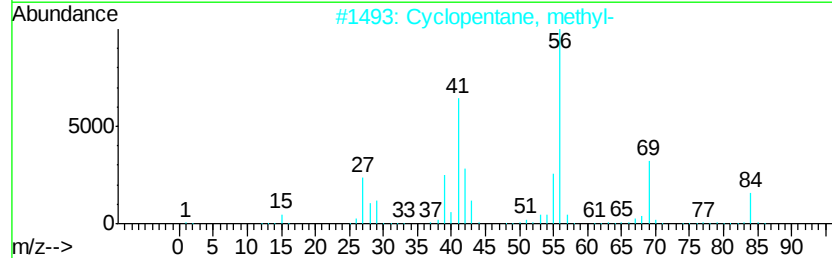
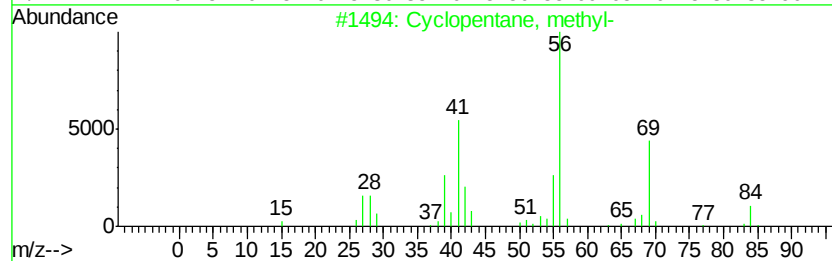
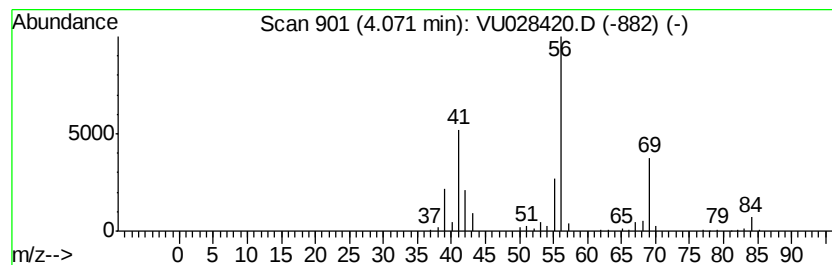
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Cyclic4.07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	13.79 ug/L	355300	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	86
3		Cyclohexane	84	C6H12	000110-82-7	83
4		Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	72
5		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

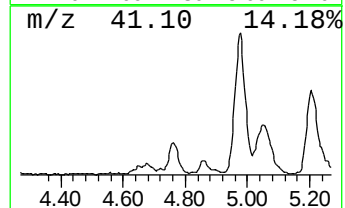
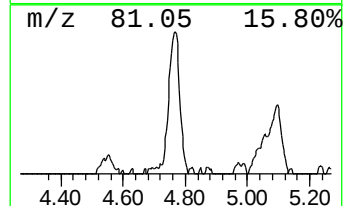
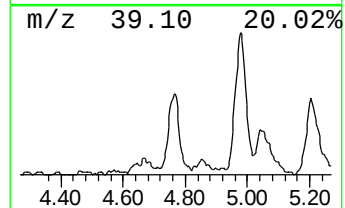
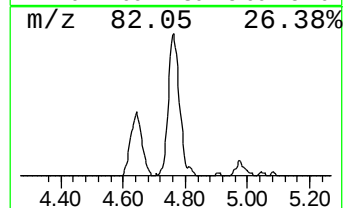
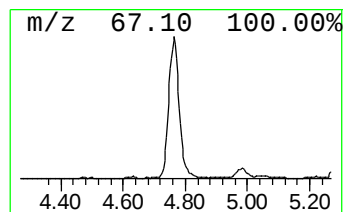
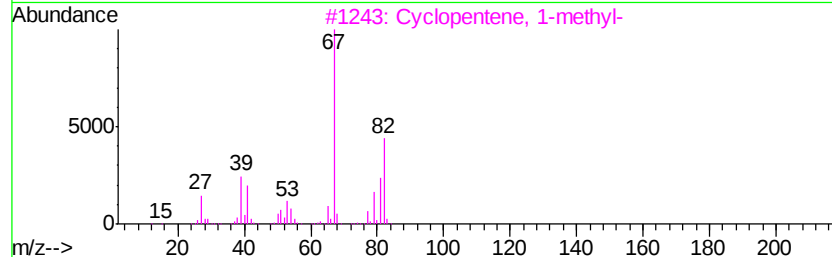
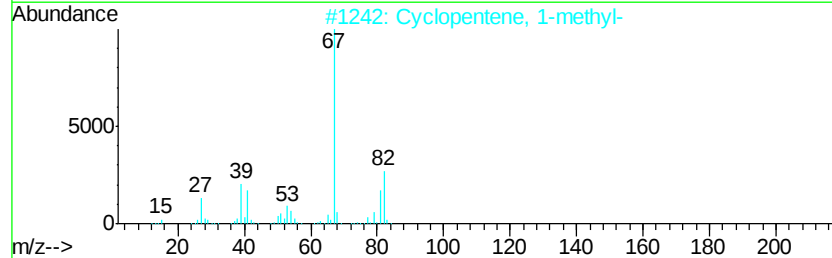
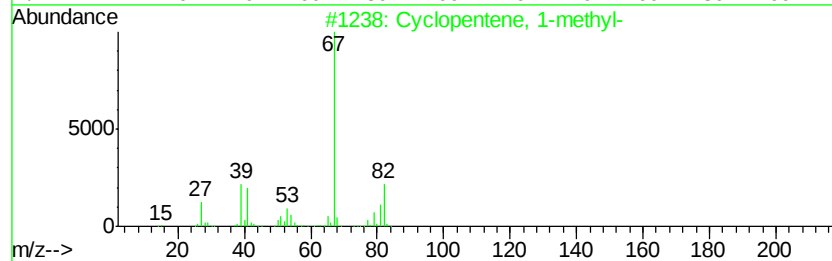
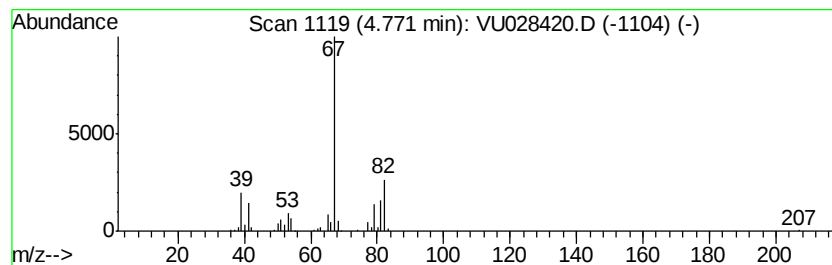
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Quant Title : VOC Analysis

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

Peak Number 13 Cyclopentene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	5.55 ug/L	143043	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2		Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
3		Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
4		Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
5		Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

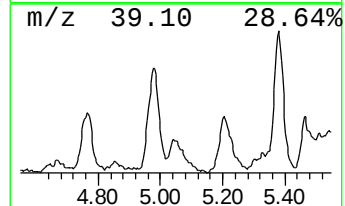
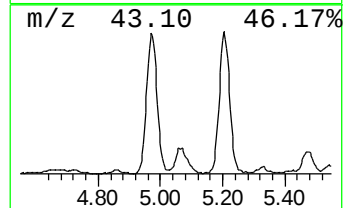
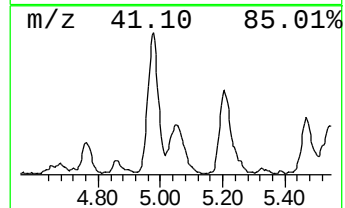
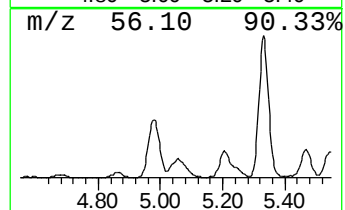
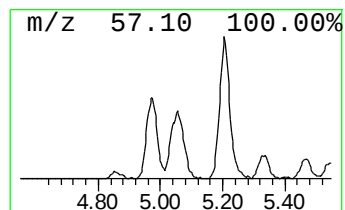
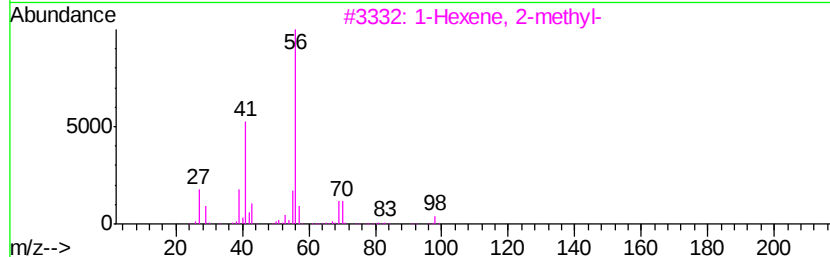
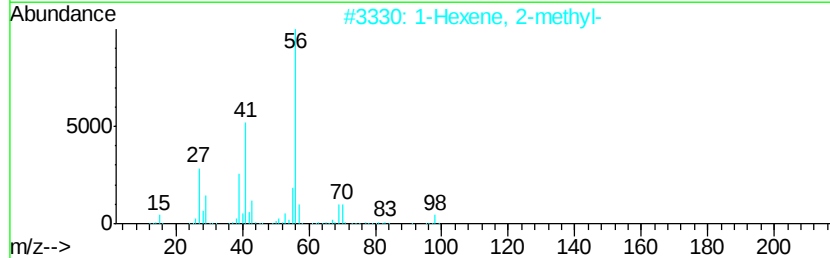
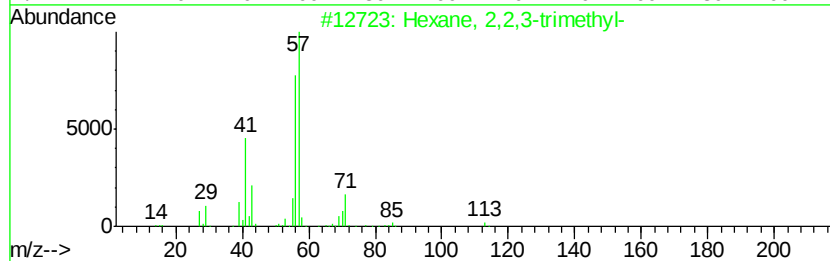
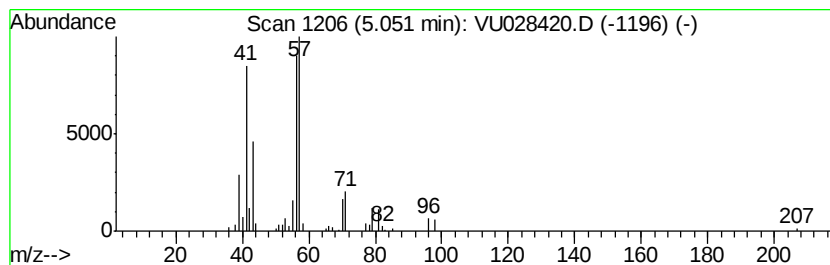
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	5.29 ug/L	136145	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	59
2		1-Hexene, 2-methyl-	98	C7H14	006094-02-6	52
3		1-Hexene, 2-methyl-	98	C7H14	006094-02-6	49
4		Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	47
5		1-Hexene, 2-methyl-	98	C7H14	006094-02-6	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

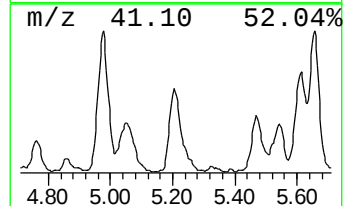
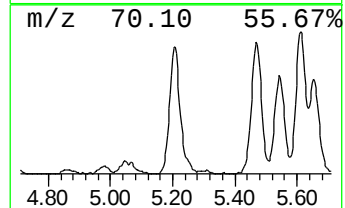
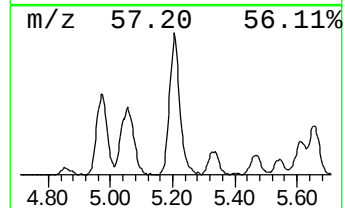
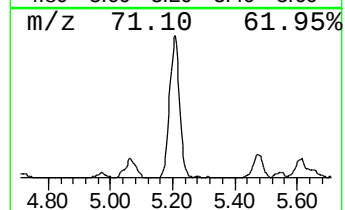
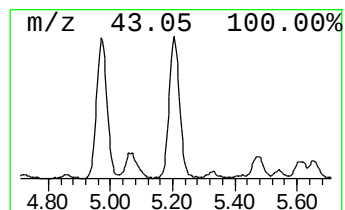
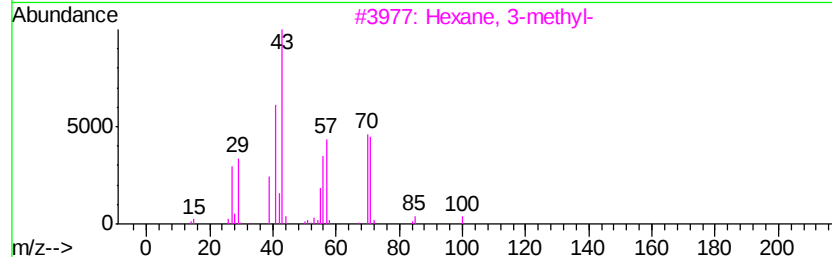
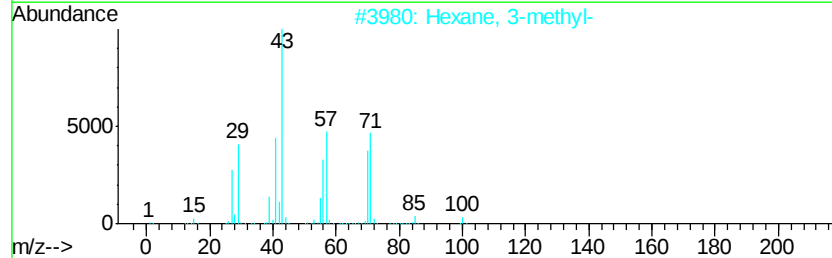
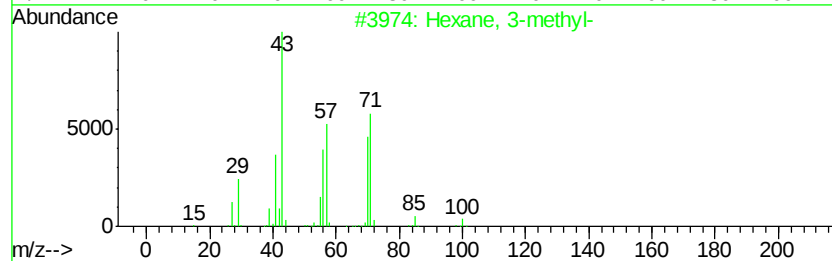
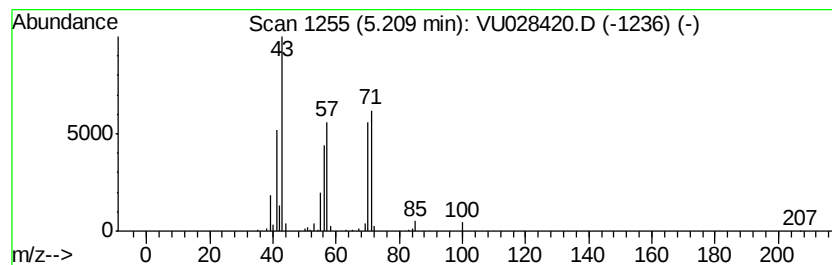
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	10.74 ug/L	276504	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	59
5		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

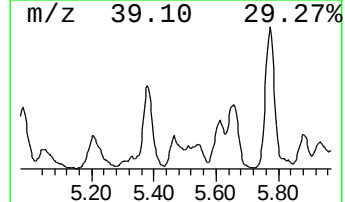
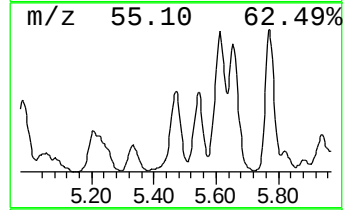
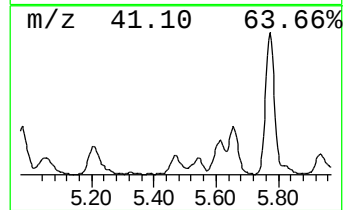
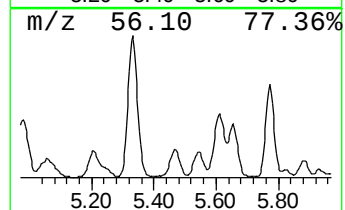
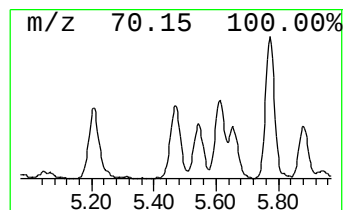
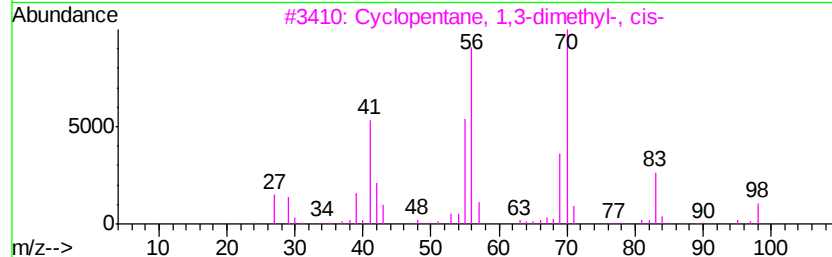
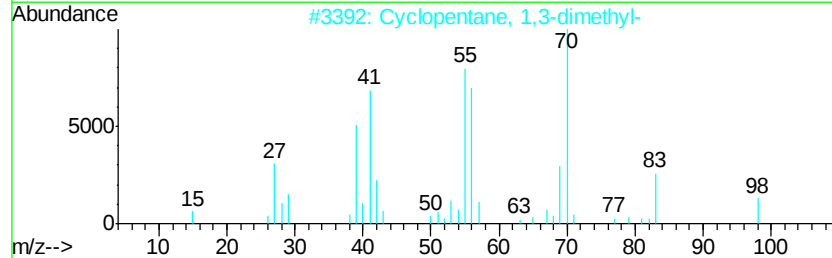
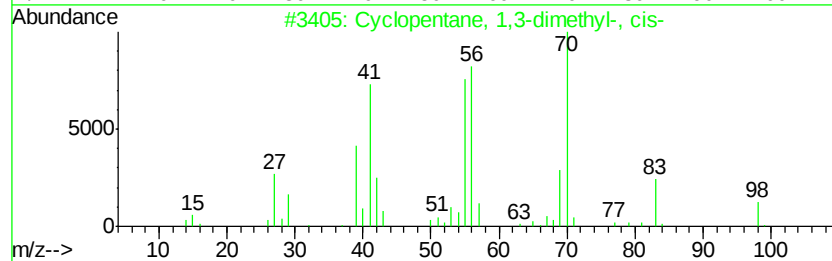
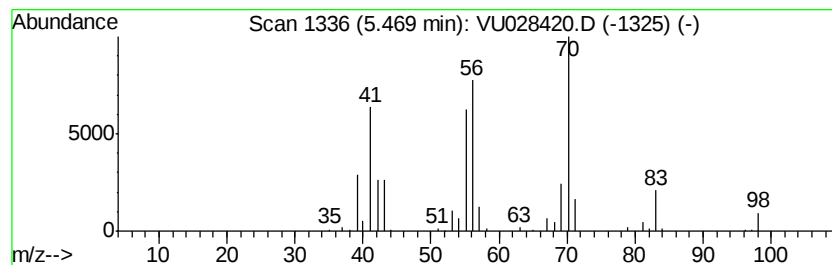
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic5.47 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	5.20 ug/L	133856	1,4-Difluorobenzene	5.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	93
2			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76
5			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

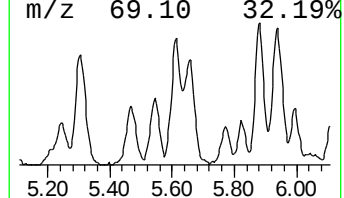
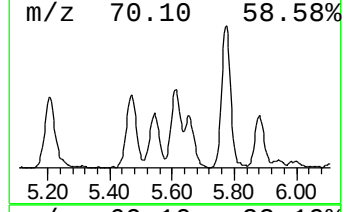
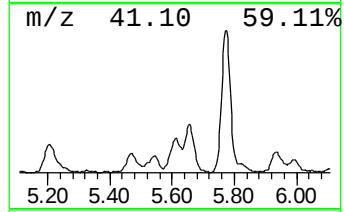
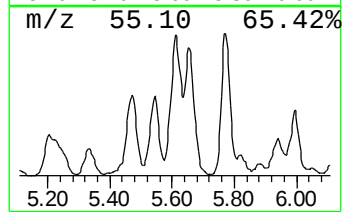
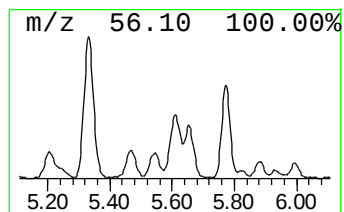
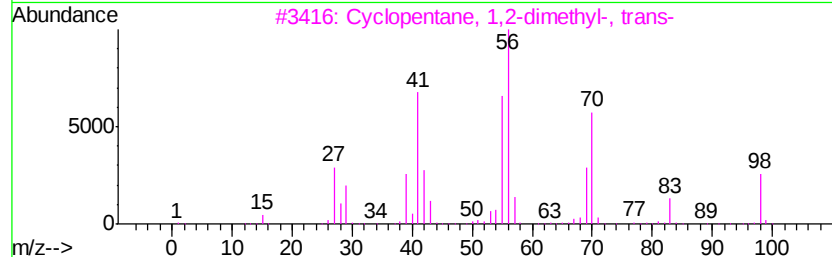
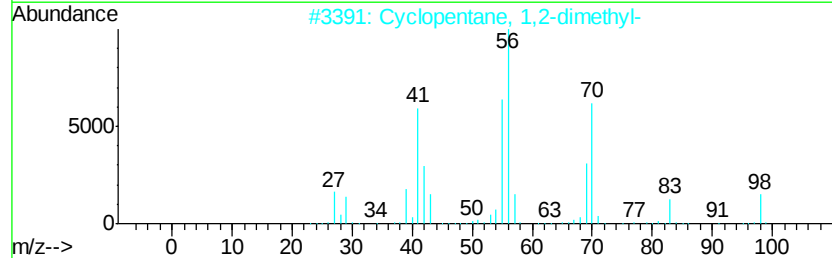
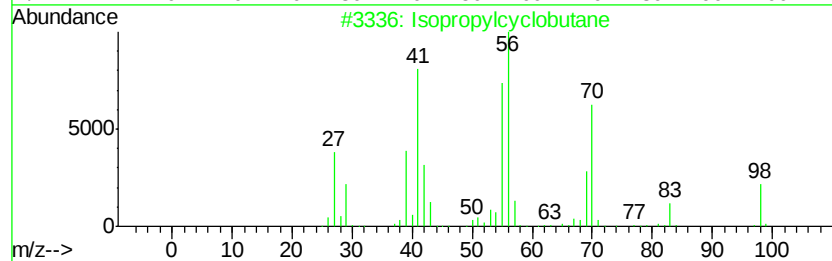
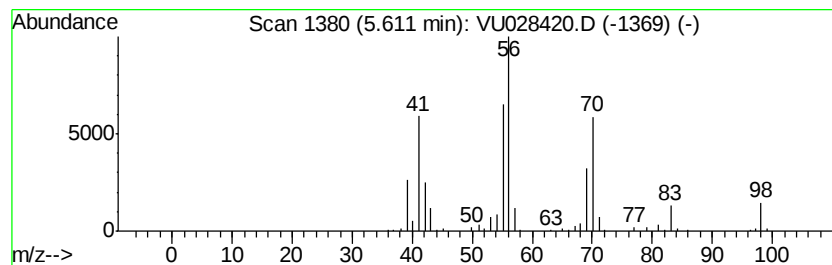
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic5.61 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	8.23 ug/L	212095	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropylcyclobutane	98	C7H14	000872-56-0	97
2		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	94
3		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4		1-Heptene	98	C7H14	000592-76-7	90
5		1-Heptene	98	C7H14	000592-76-7	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

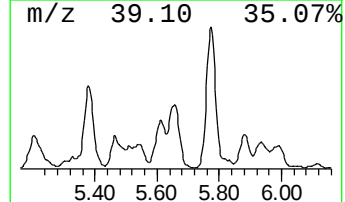
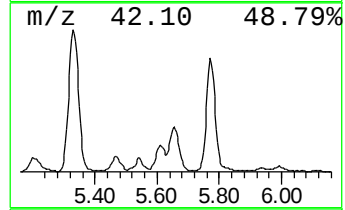
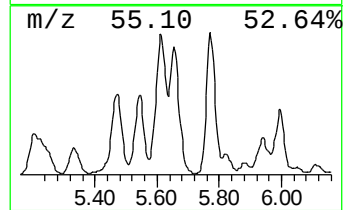
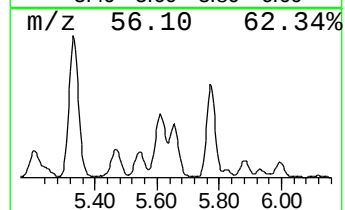
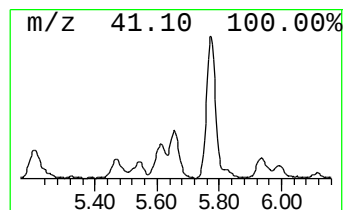
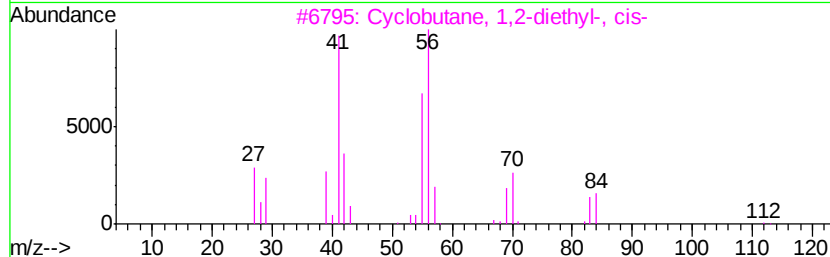
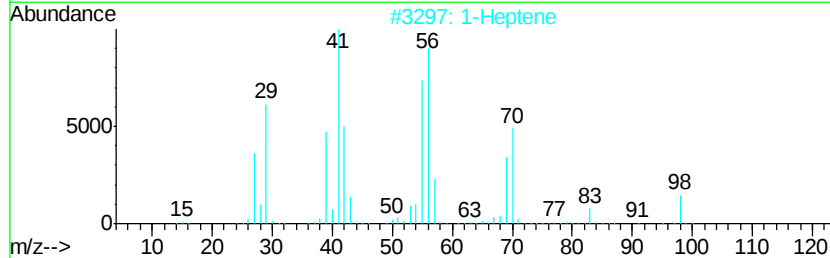
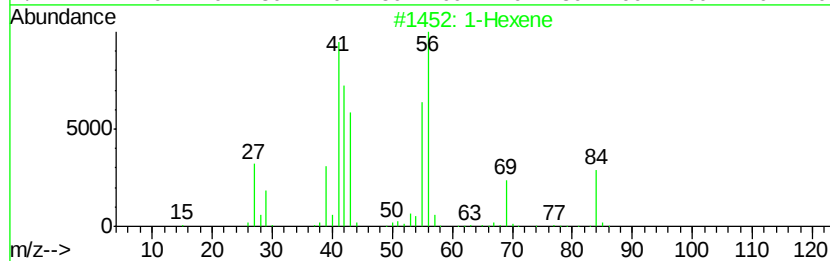
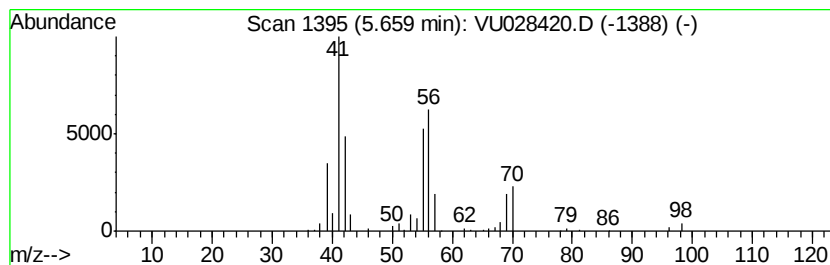
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic5.66 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	8.76 ug/L	225565	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene	84	C6H12	000592-41-6	59
2		1-Heptene	98	C7H14	000592-76-7	59
3		Cyclobutane, 1,2-diethyl-, cis-	112	C8H16	061141-50-2	59
4		1-Heptene	98	C7H14	000592-76-7	59
5		1-Hexene	84	C6H12	000592-41-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSV0A_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSV0A_U
ClientSampleId :
F9Y41ME

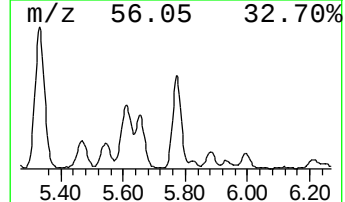
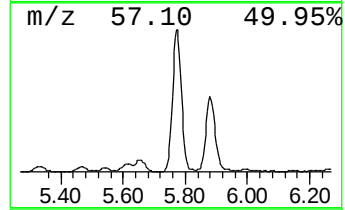
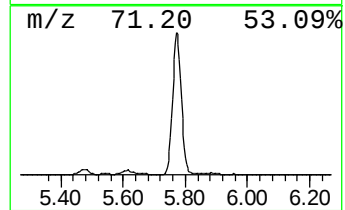
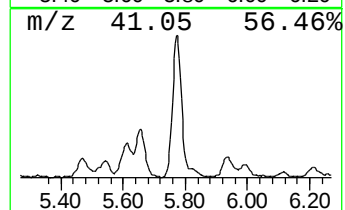
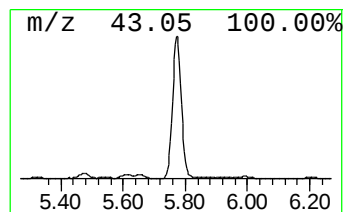
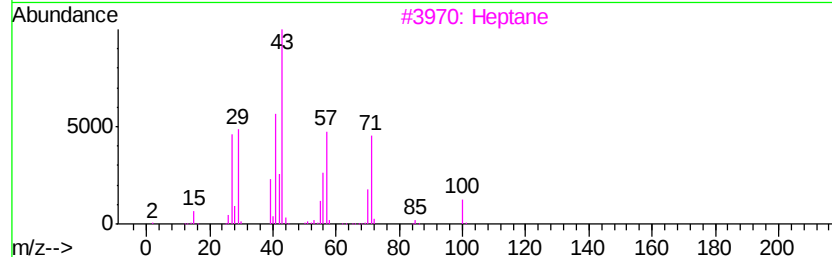
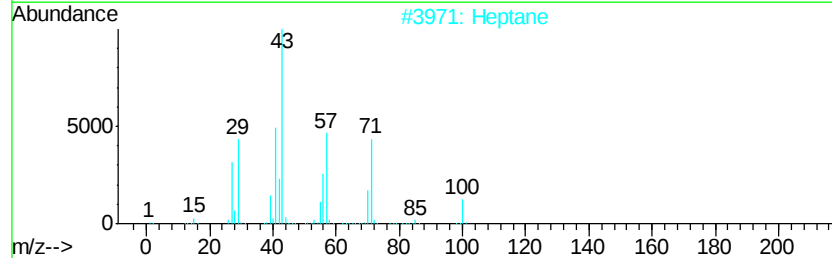
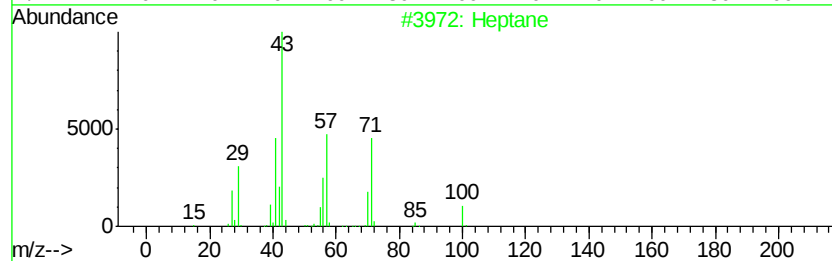
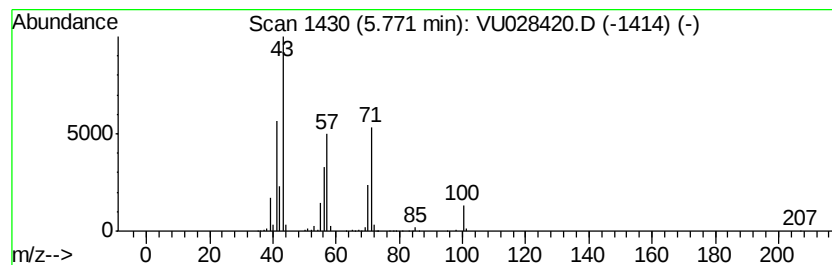
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	34.04 ug/L	876764	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	95
2		Heptane	100	C7H16	000142-82-5	94
3		Heptane	100	C7H16	000142-82-5	91
4		Heptane	100	C7H16	000142-82-5	91
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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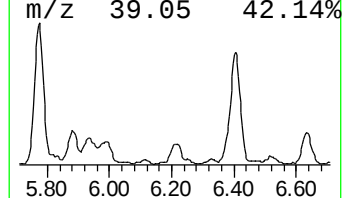
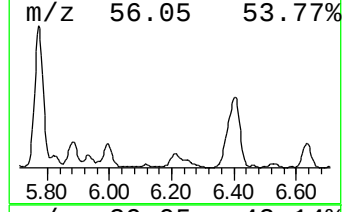
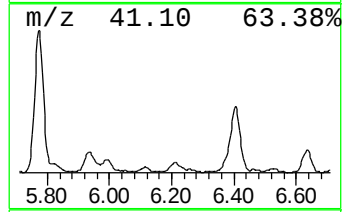
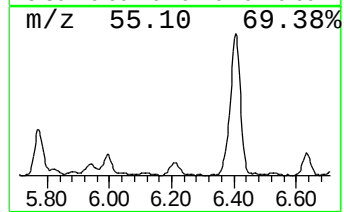
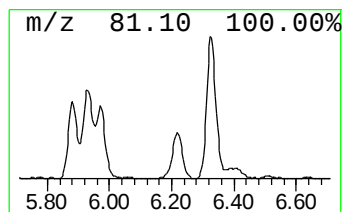
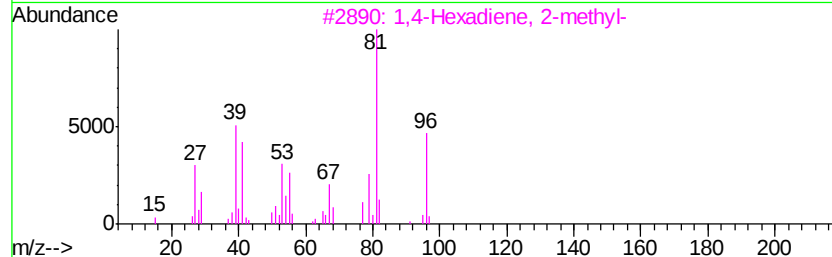
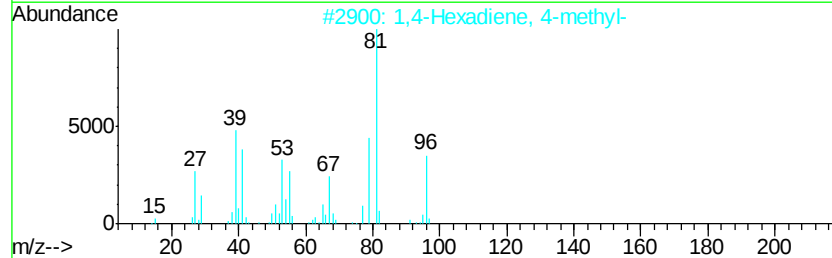
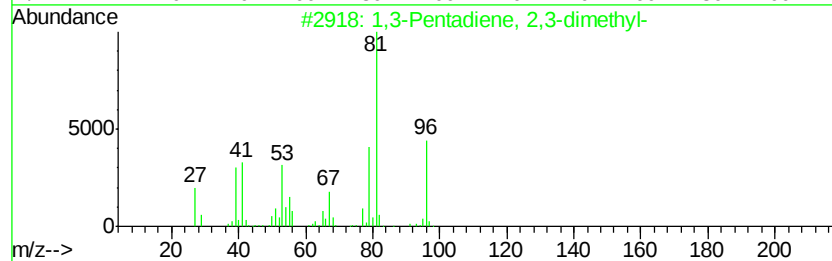
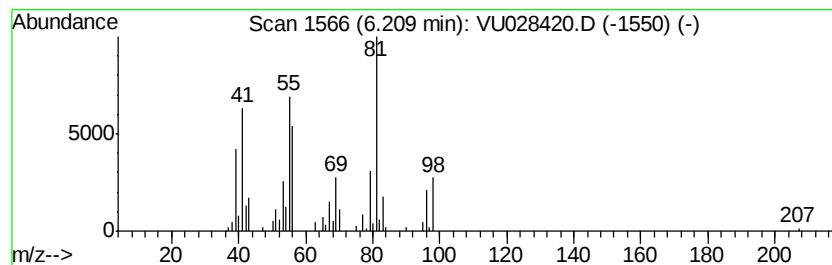
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Quant Title : VOC Analysis

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

Peak Number 20 1,3-Pentadiene, 2,3-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	3.82 ug/L	98473	1,4-Difluorobenzene	5.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	87
2			1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	86
3			1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	58
4			1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	55
5			2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

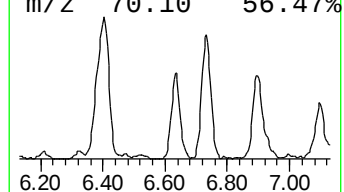
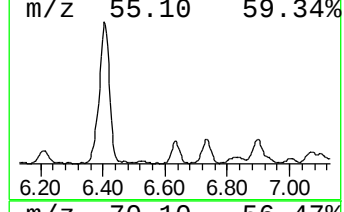
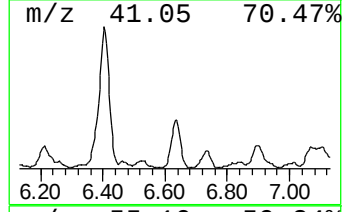
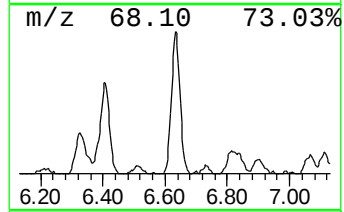
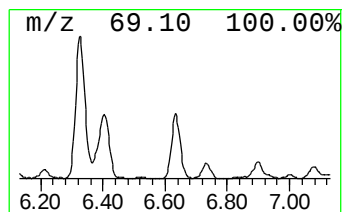
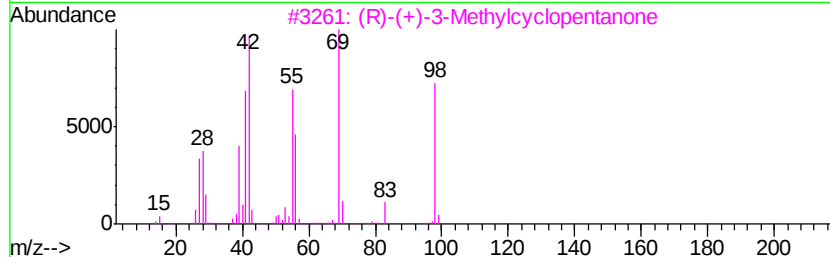
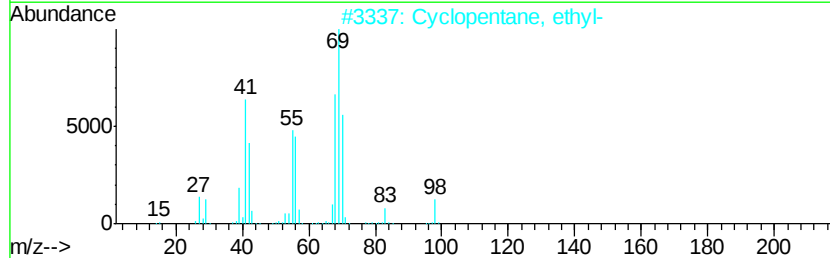
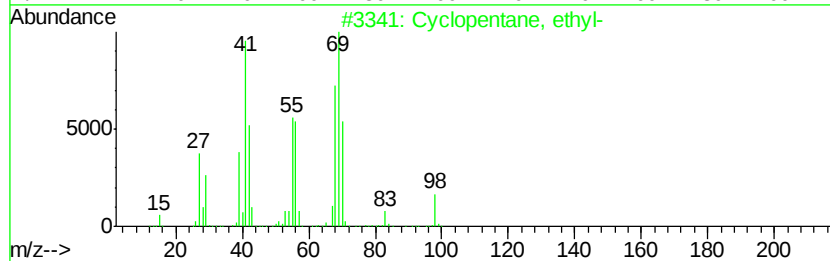
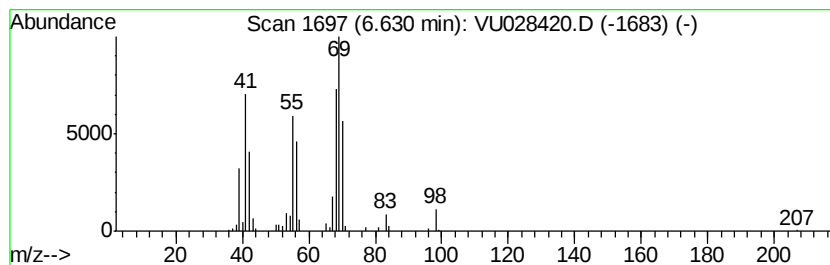
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic6.63 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	5.70 ug/L	146843	1,4-Difluorobenzene	5.88
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, ethyl-	98 C7H14	001640-89-7 97
2		Cyclopentane, ethyl-	98 C7H14	001640-89-7 94
3		(R)-(+)-3-Methylcyclopentanone	98 C6H10O	006672-30-6 49
4		Cyclopropane, 1,1-diethyl-	98 C7H14	001003-19-6 38
5		Cyclopentane, 1,3-dimethyl-	98 C7H14	002453-00-1 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

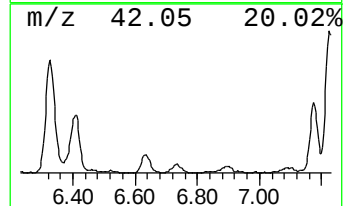
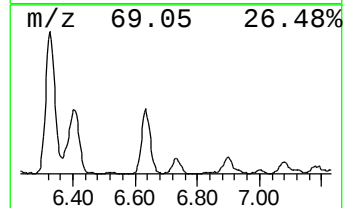
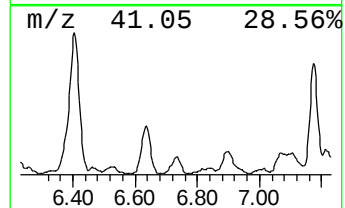
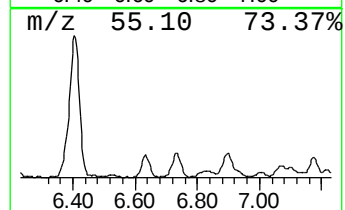
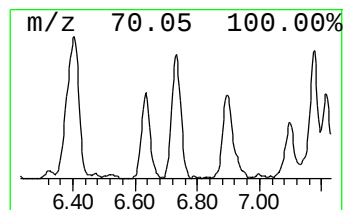
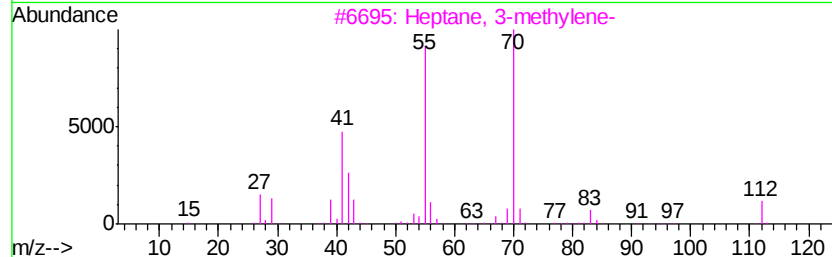
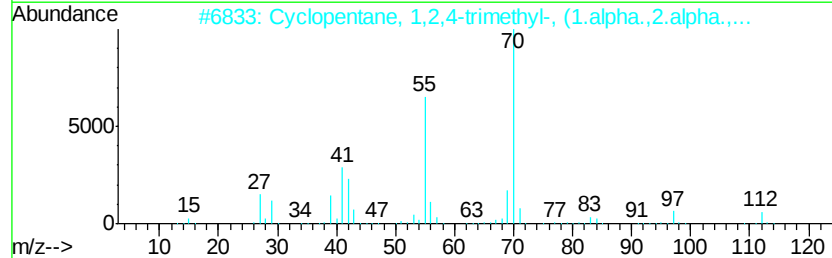
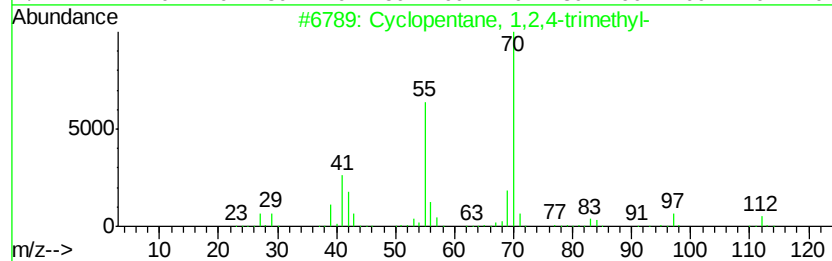
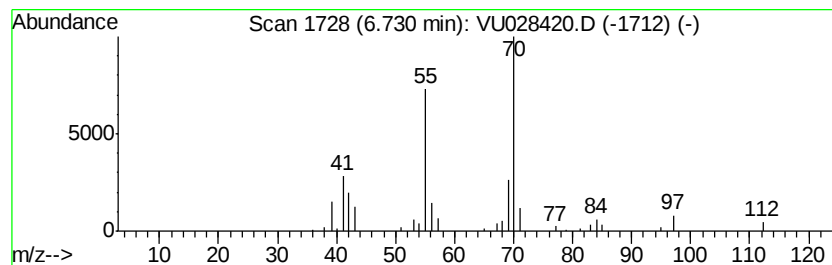
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic6.73 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	3.24 ug/L	83432	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
3		Heptane, 3-methylene-	112	C8H16	001632-16-2	86
4		2-Pentene, (E)-	70	C5H10	000646-04-8	80
5		Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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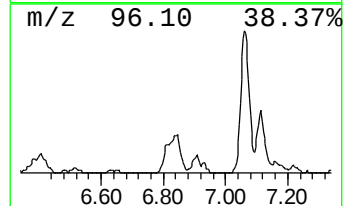
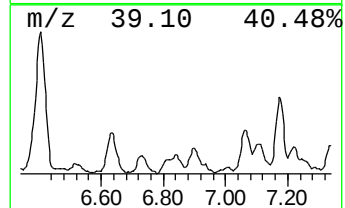
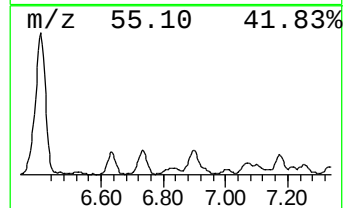
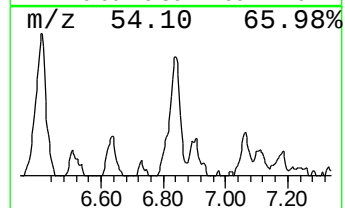
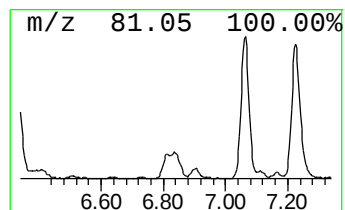
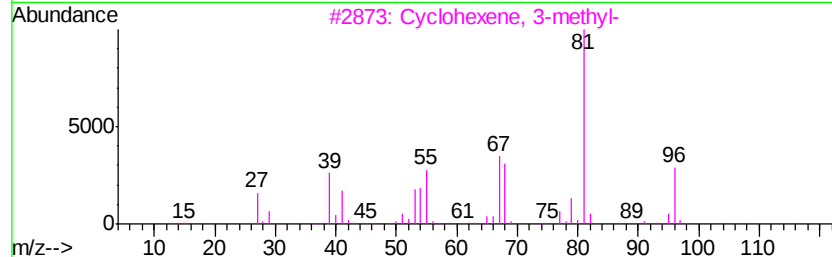
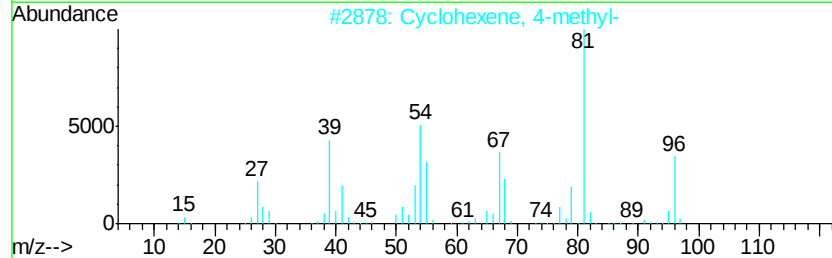
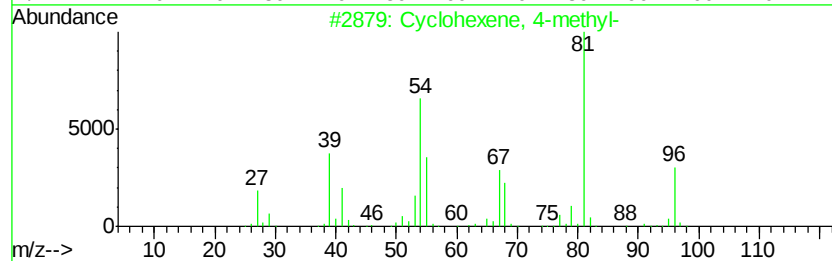
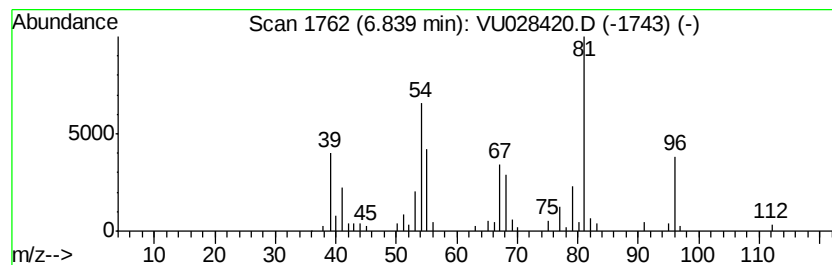
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Quant Title : VOC Analysis

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

Peak Number 23 Cyclohexene, 4-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	3.42 ug/L	88182	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	93
2		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	91
3		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	70
4		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	68
5		2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

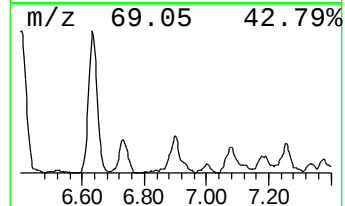
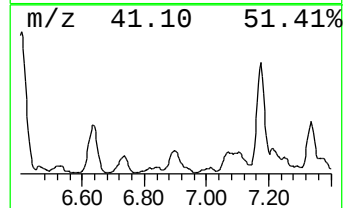
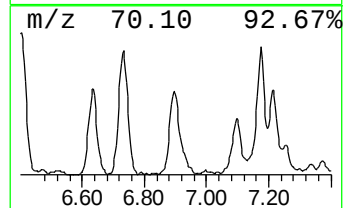
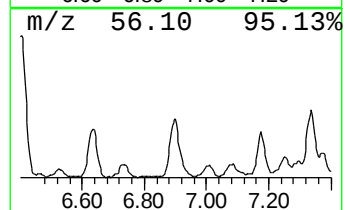
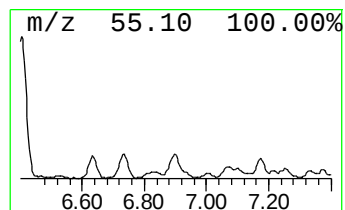
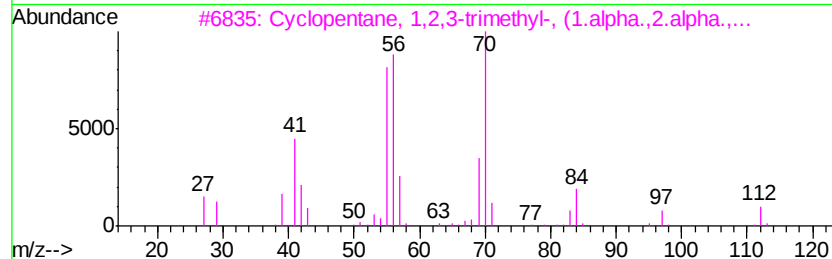
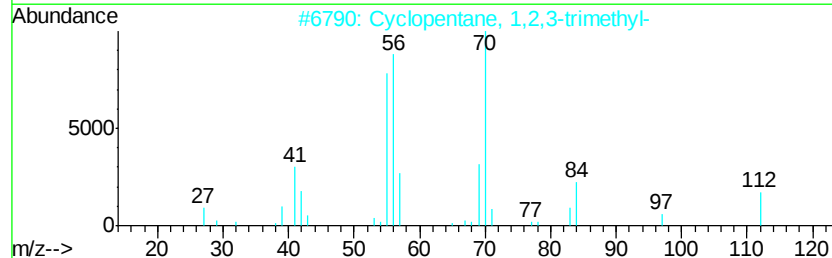
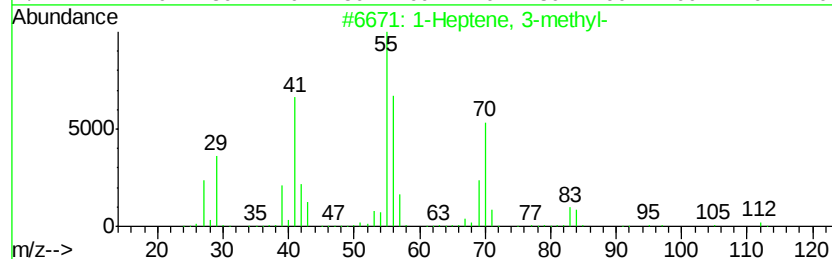
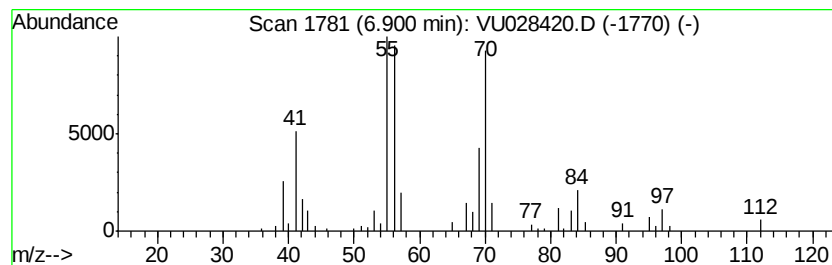
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic6.90 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	5.48 ug/L	141219	1,4-Difluorobenzene	5.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	87
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	86
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	80
4			1-Hexene, 3,5-dimethyl-	112	C8H16	007423-69-0	64
5			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

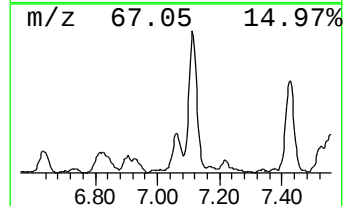
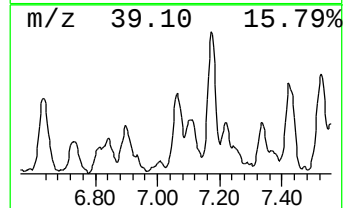
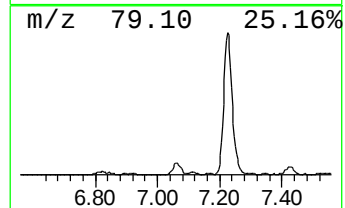
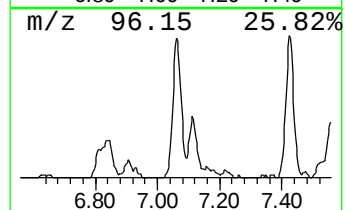
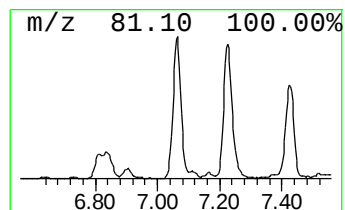
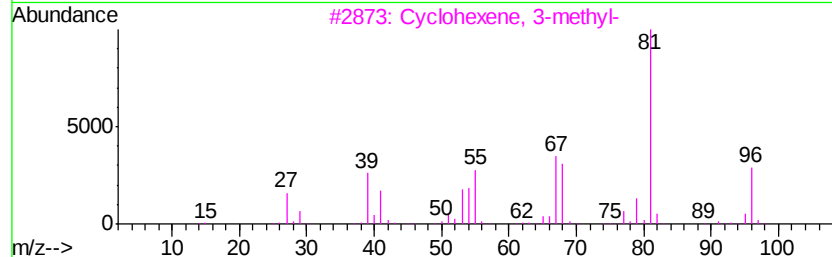
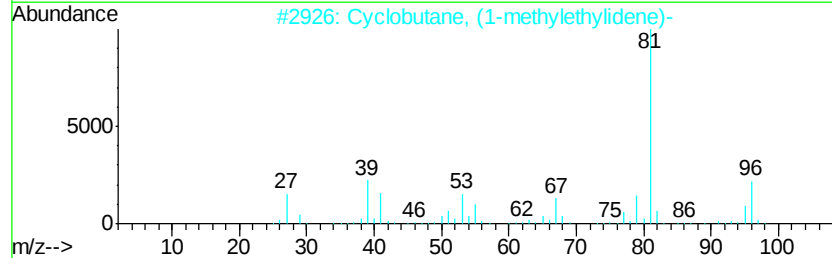
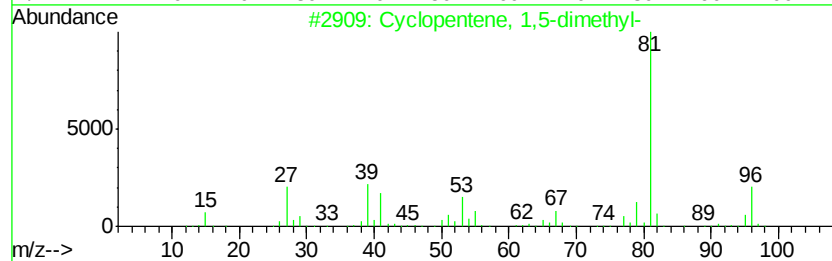
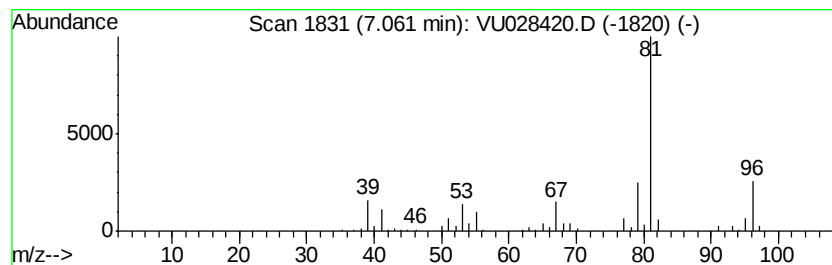
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Quant Title : VOC Analysis

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

Peak Number 25 Cyclopentene, 1,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	6.37 ug/L	164154	1,4-Difluorobenzene	5.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
2			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	87
3			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	80
4			Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	80
5			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

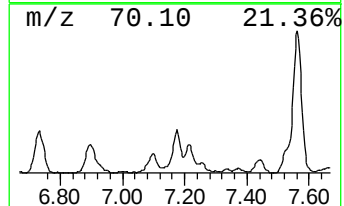
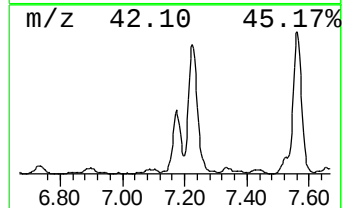
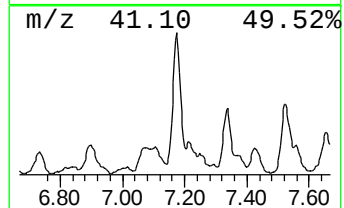
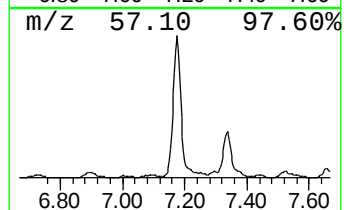
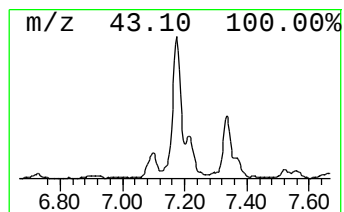
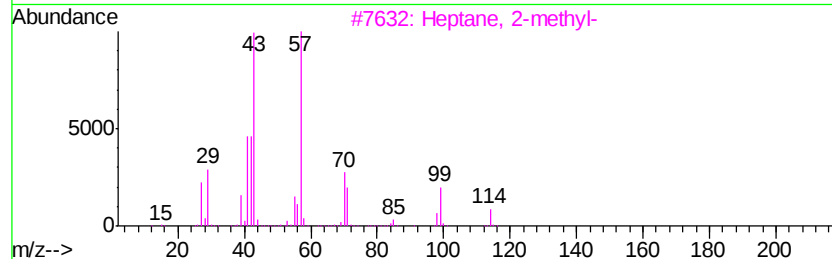
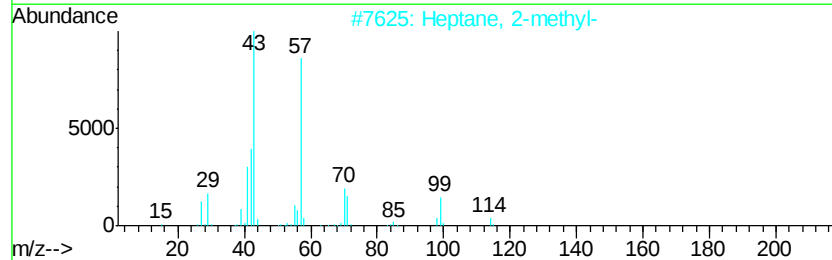
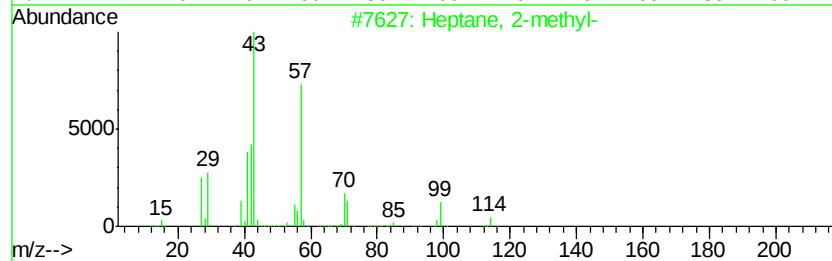
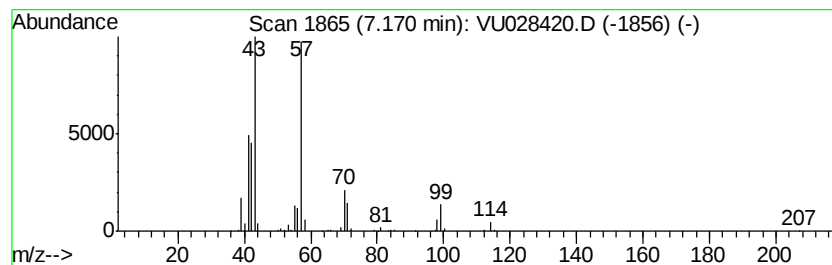
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	11.74 ug/L	302345	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	94
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	74
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
5		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

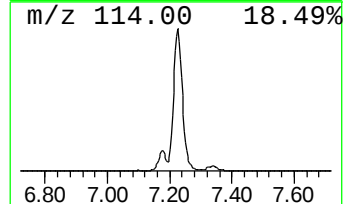
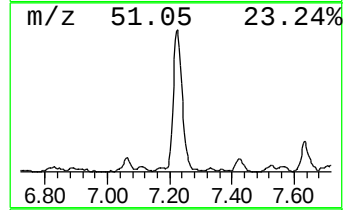
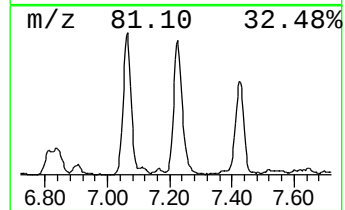
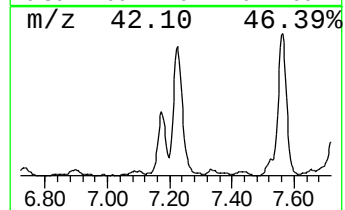
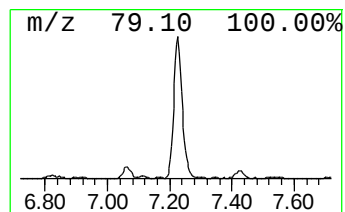
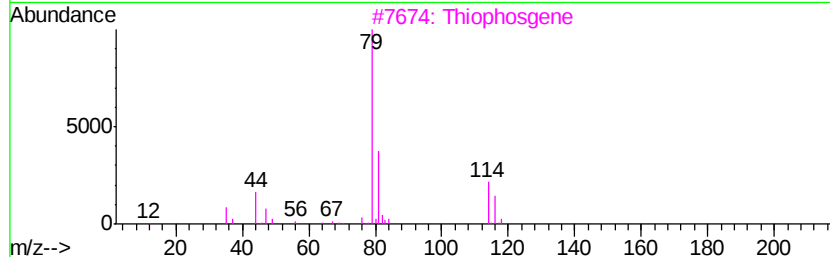
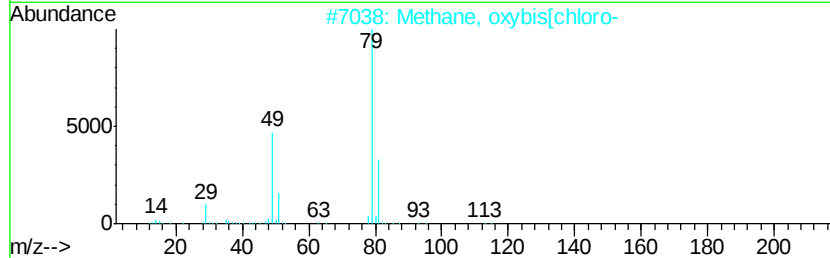
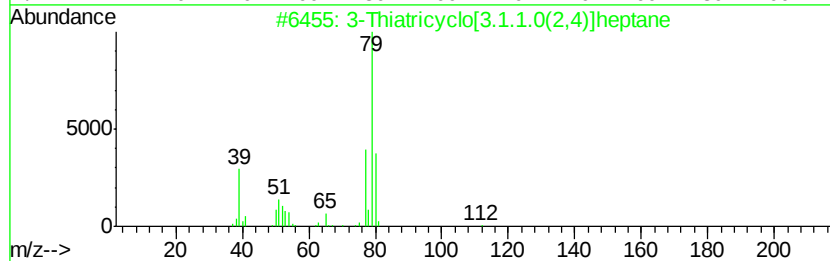
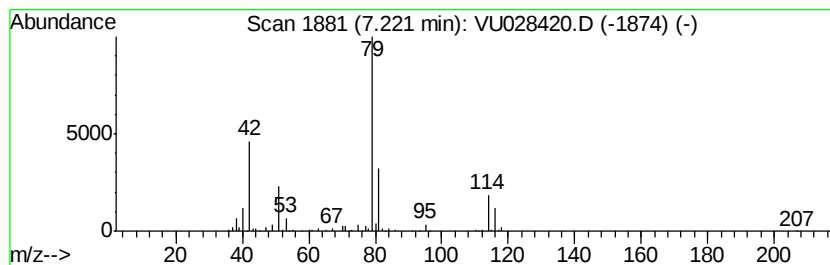
Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

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Quant Title : VOC Analysis

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

Peak Number 27 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	21.12 ug/L	543925	1,4-Difluorobenzene	5.88
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112 C6H8S	1000221-37-0	32
2	Methane, oxybis[chloro-	114 C2H4Cl2O	000542-88-1	28
3	Thiophosgene	114 CCl2S	000463-71-8	12
4	1,3-Cyclohexadiene	80 C6H8	000592-57-4	9
5	1,3-Cyclohexadiene	80 C6H8	000592-57-4	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

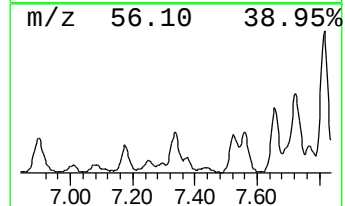
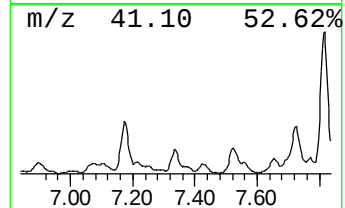
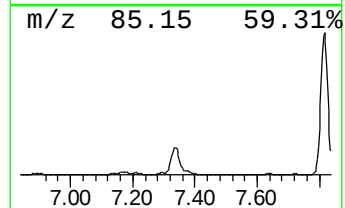
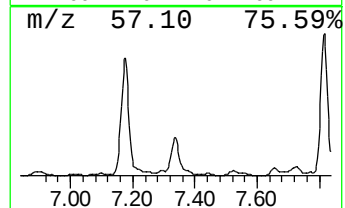
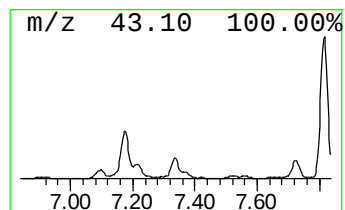
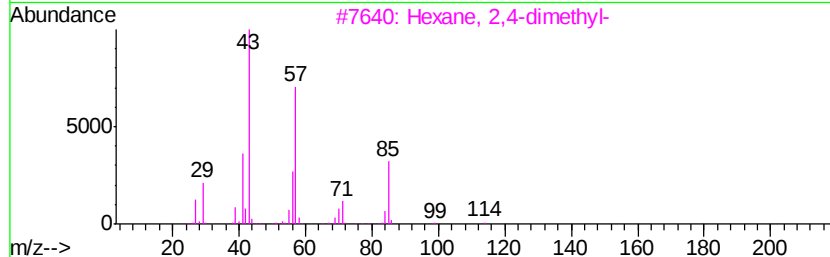
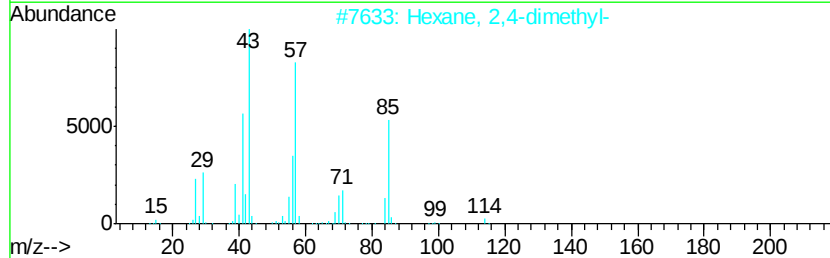
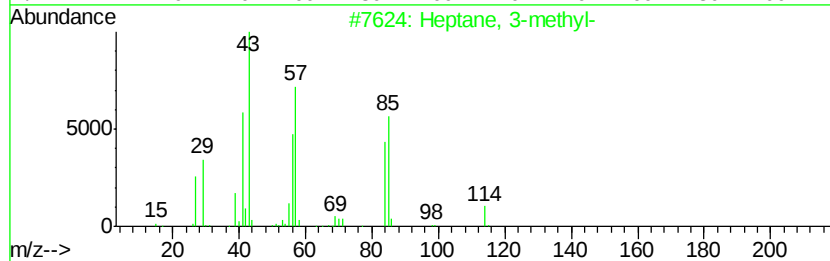
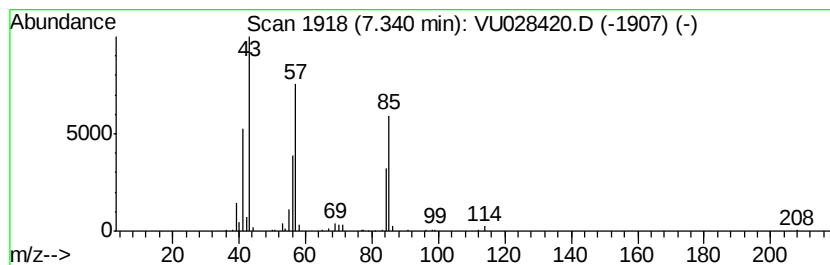
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	4.81 ug/L	123857	1,4-Difluorobenzene	5.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	86
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4			Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	72
5			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

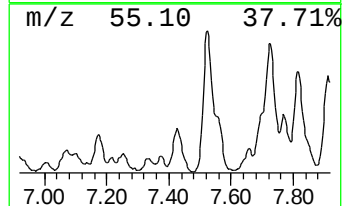
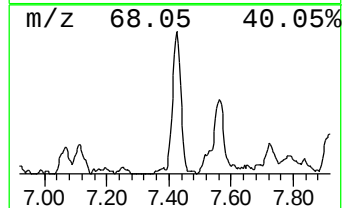
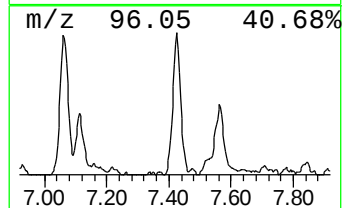
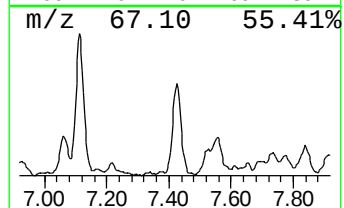
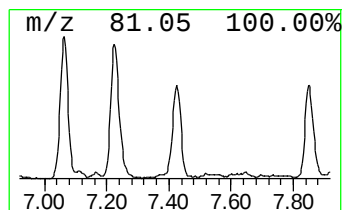
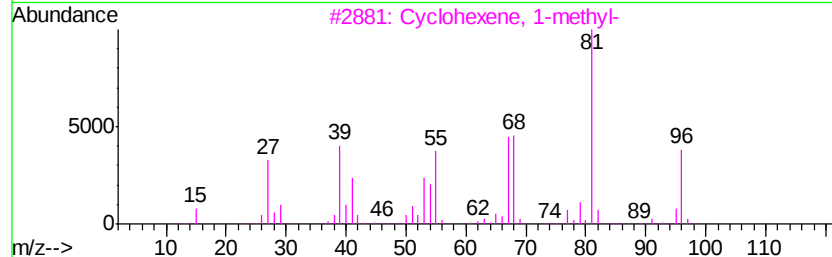
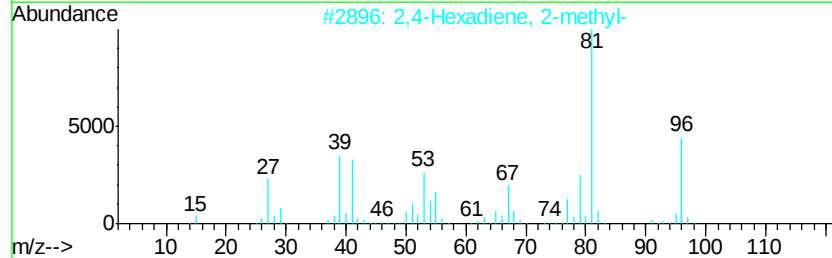
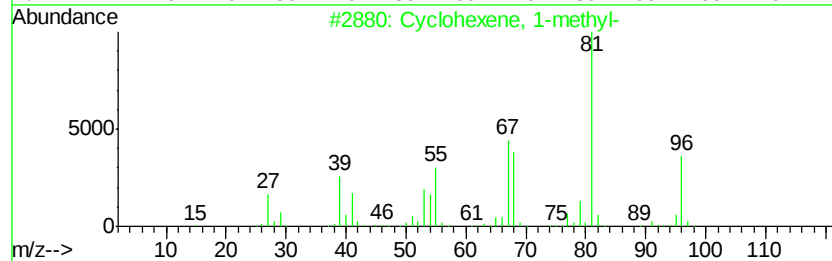
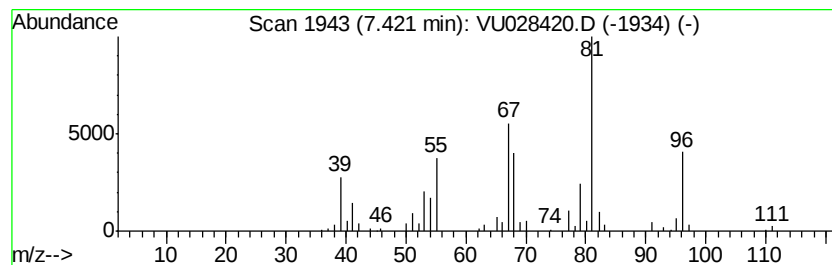
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Quant Title : VOC Analysis

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

Peak Number 29 Cyclohexene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	7.08 ug/L	182427	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2		2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	92
3		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
4		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
5		Cyclohexane, methylene-	96	C7H12	001192-37-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

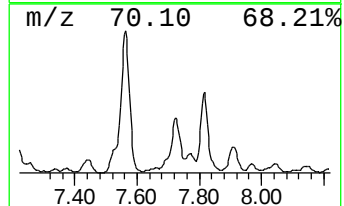
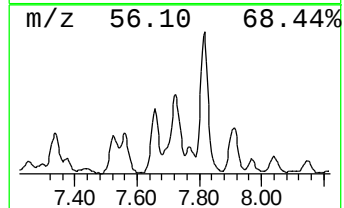
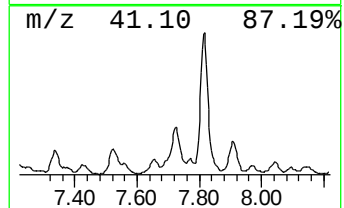
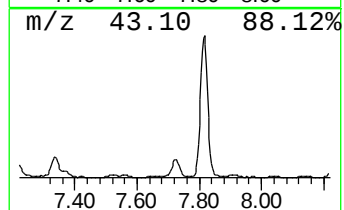
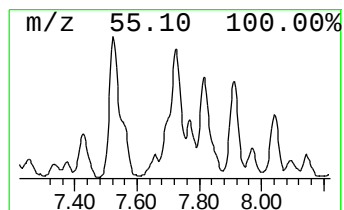
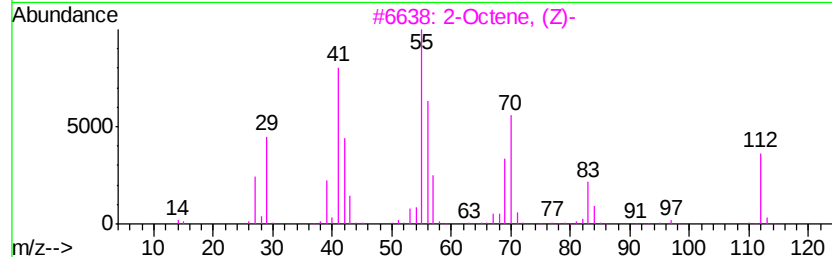
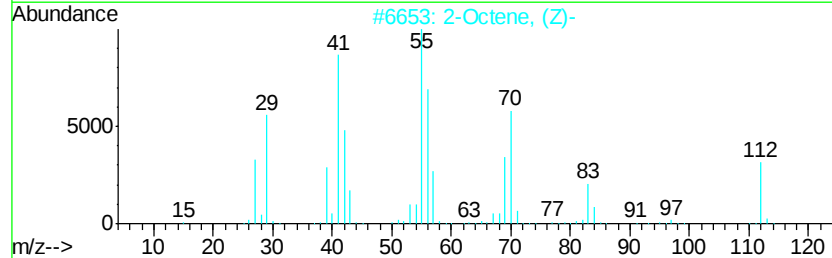
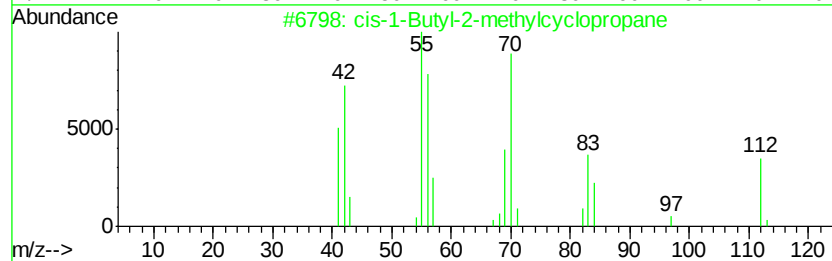
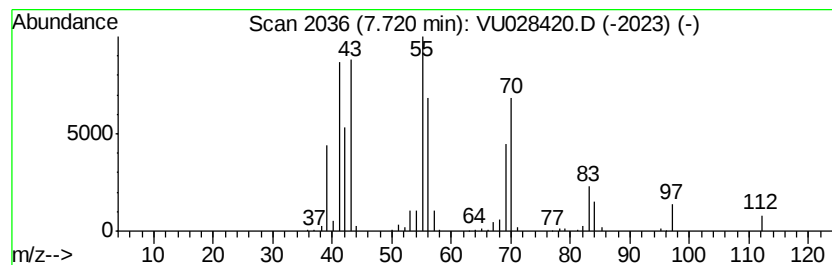
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Cyclic7.72 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	7.97 ug/L	258978	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	91
2		2-Octene, (Z)-	112	C8H16	007642-04-8	81
3		2-Octene, (Z)-	112	C8H16	007642-04-8	81
4		1-Octene	112	C8H16	000111-66-0	80
5		2-Octene	112	C8H16	000111-67-1	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

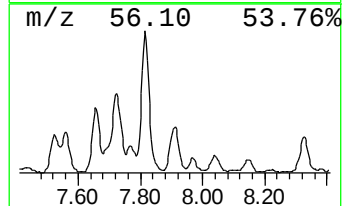
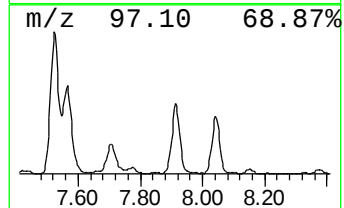
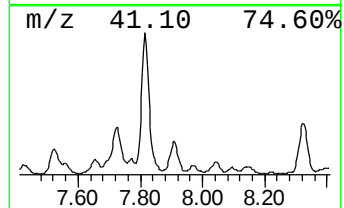
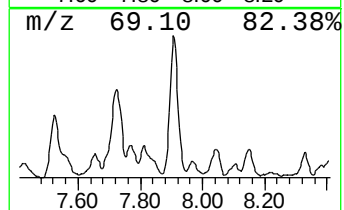
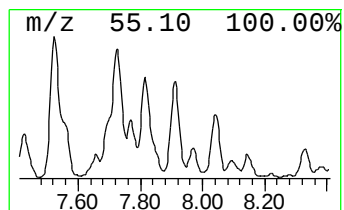
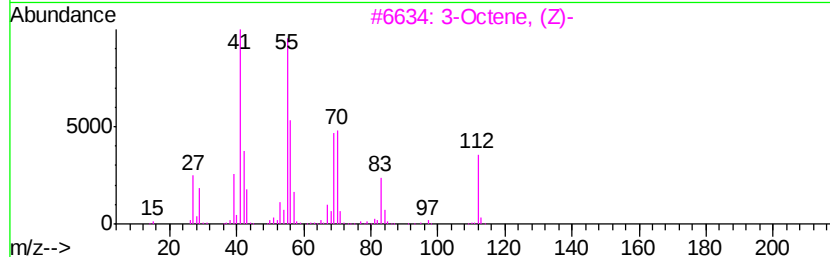
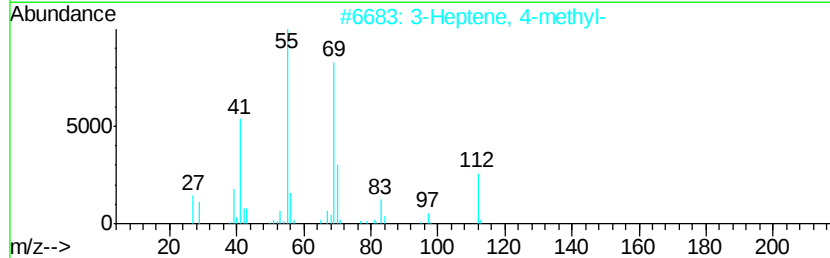
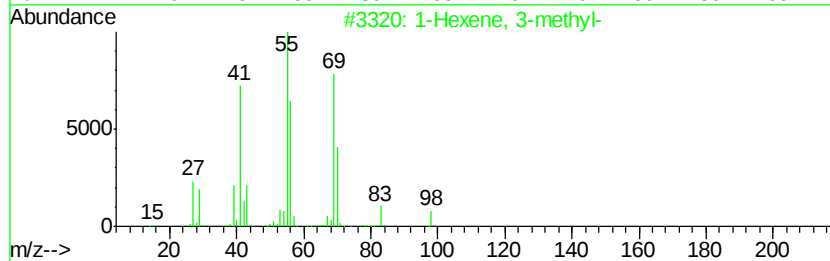
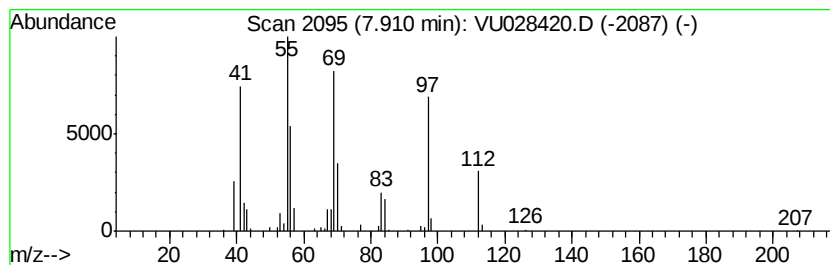
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic7.91 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	5.64 ug/L	183149	Chlorobenzene-d5	9.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	58
2			3-Heptene, 4-methyl-	112	C8H16	004485-16-9	58
3			3-Octene, (Z)-	112	C8H16	014850-22-7	50
4			3-Heptene, 4-methyl-	112	C8H16	004485-16-9	49
5			3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

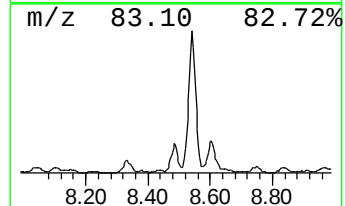
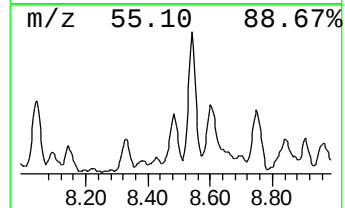
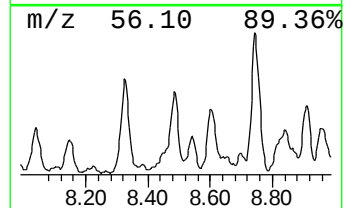
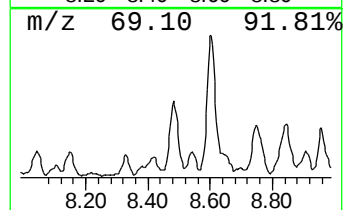
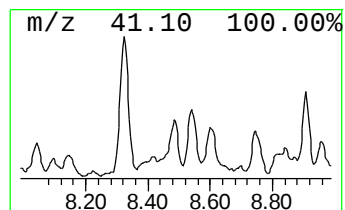
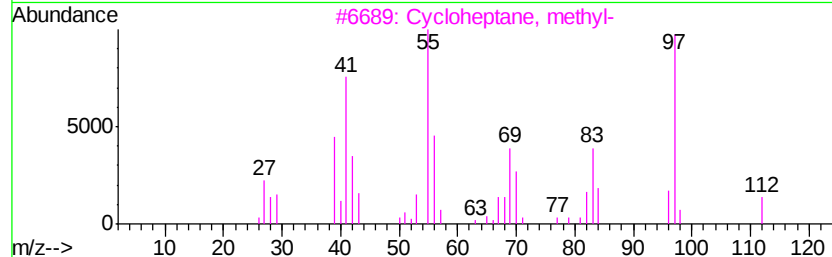
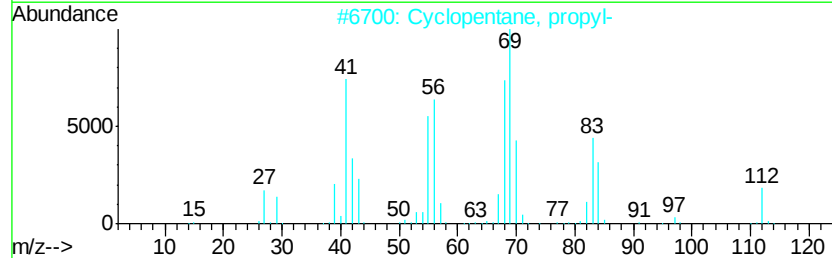
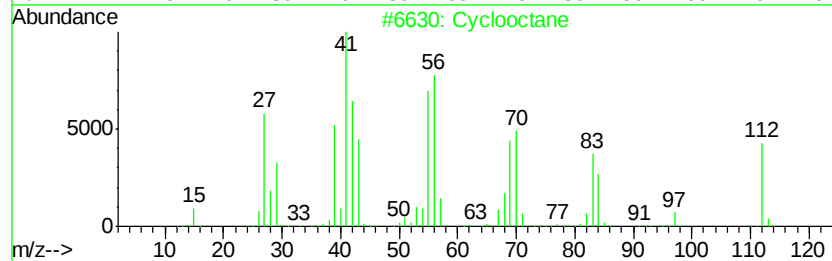
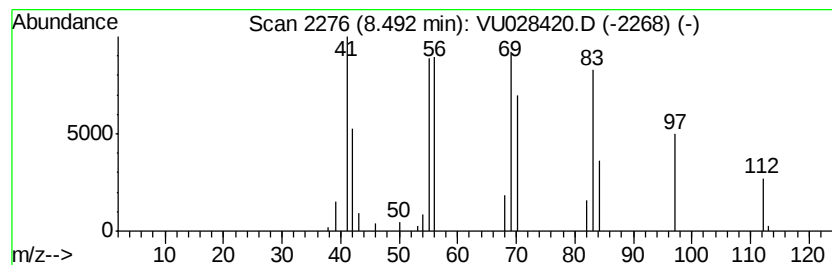
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic8.49 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	3.10 ug/L	100868	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane	112	C8H16	000292-64-8	58
2		Cyclopentane, propyl-	112	C8H16	002040-96-2	53
3		Cycloheptane, methyl-	112	C8H16	004126-78-7	53
4		Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	52
5		Cycloheptane, methyl-	112	C8H16	004126-78-7	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

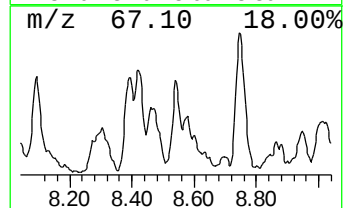
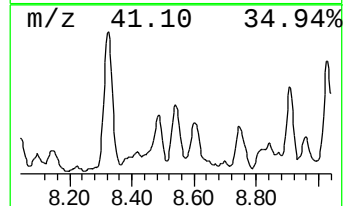
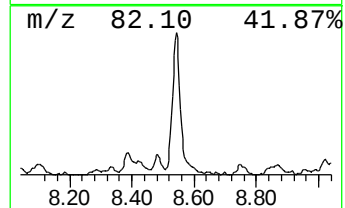
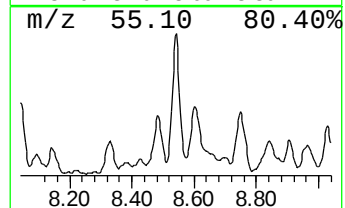
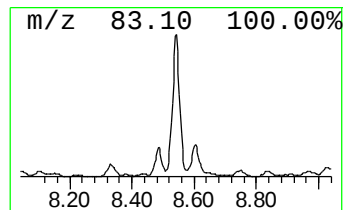
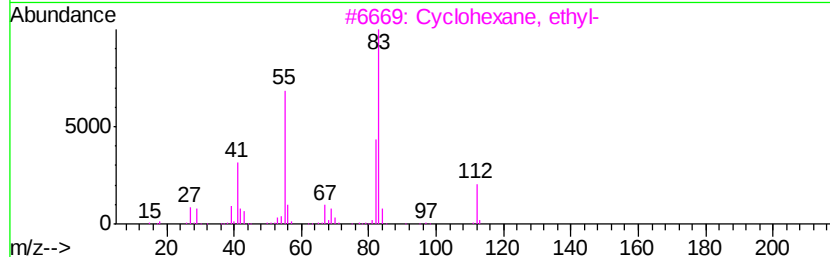
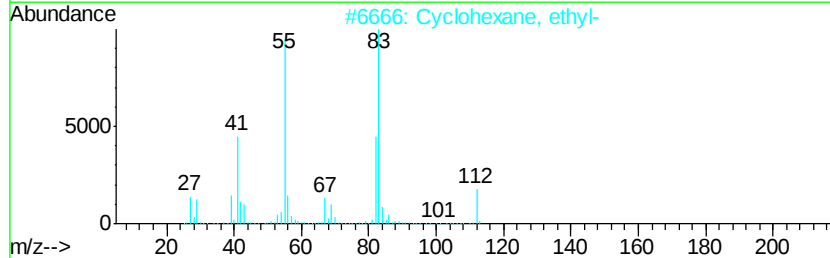
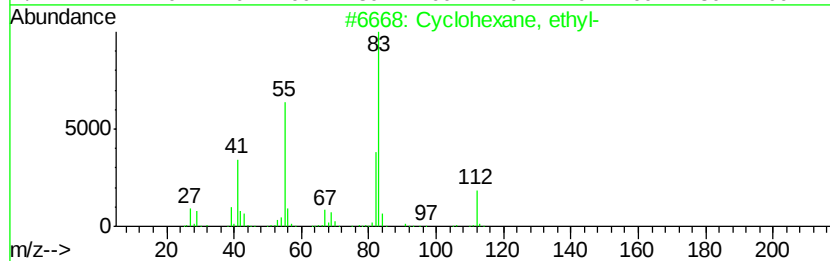
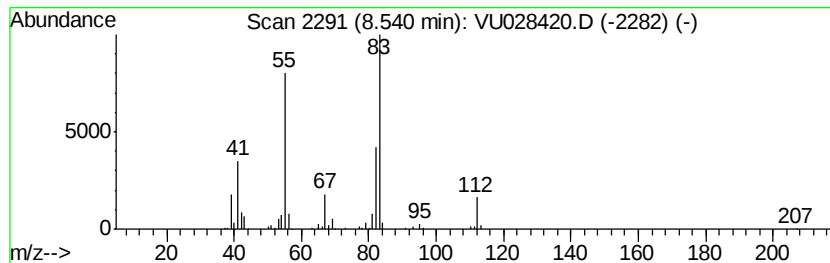
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Cyclic8.54 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	4.92 ug/L	159864	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4		3-Ethyl-2-hexene	112	C8H16	000620-00-8	53
5		trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

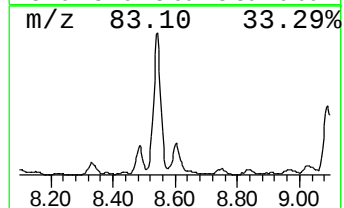
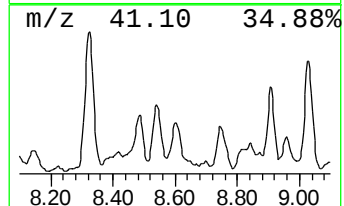
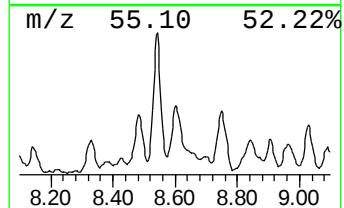
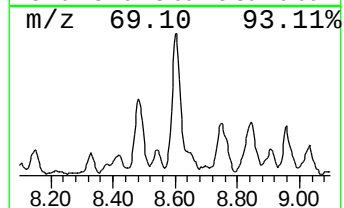
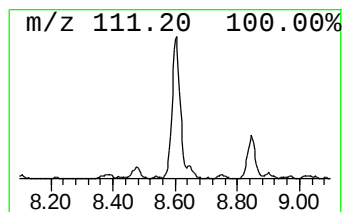
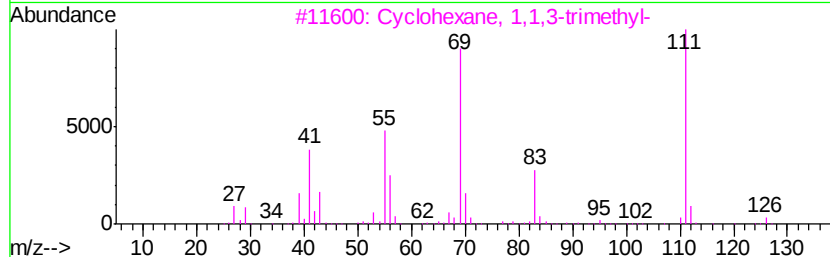
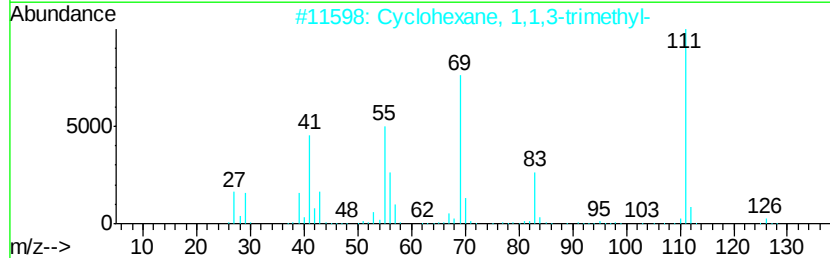
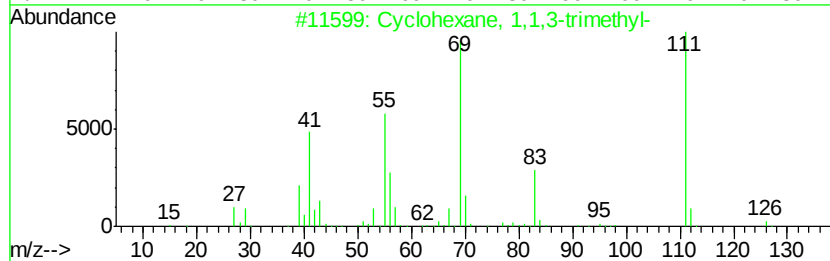
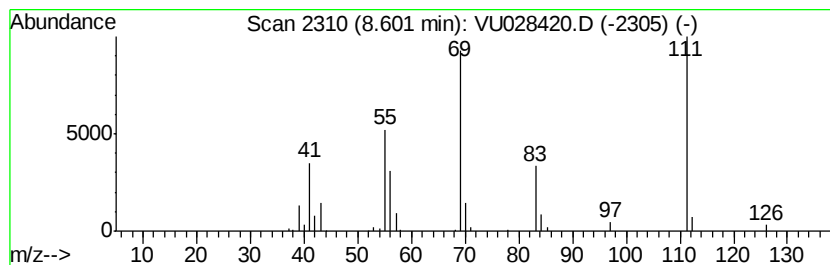
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Cyclic8.60 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	4.70 ug/L	152790	Chlorobenzene-d5	9.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
5			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

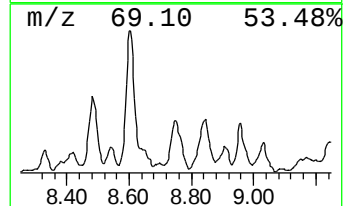
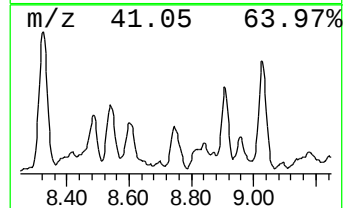
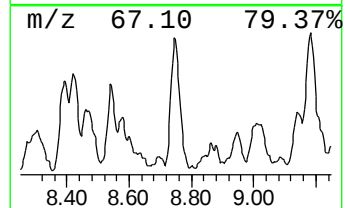
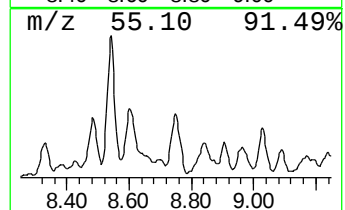
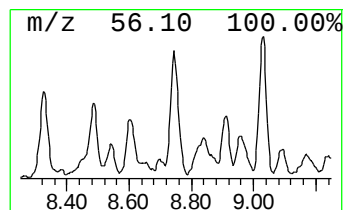
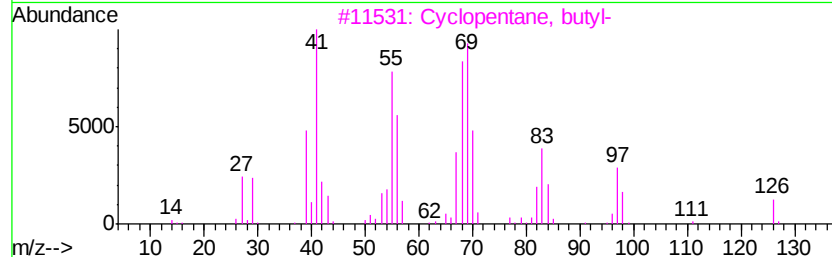
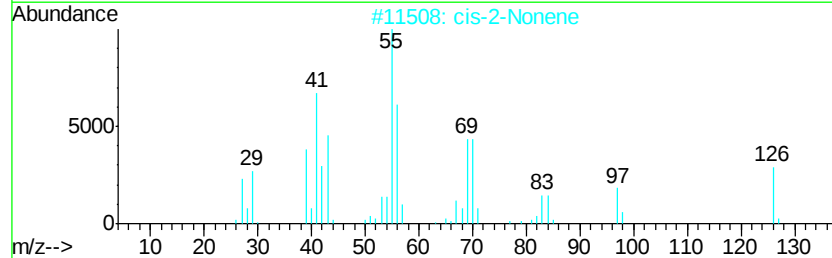
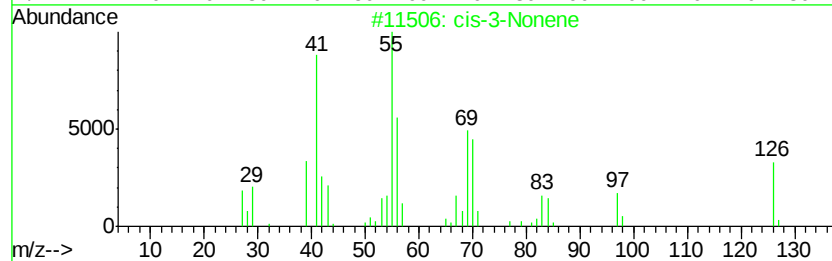
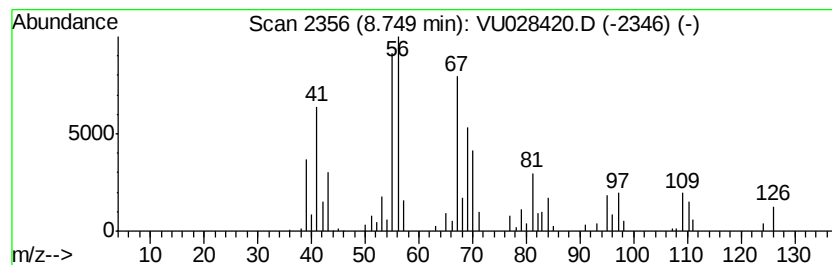
Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

Peak Number 35 unknown-02 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD		R.T.	
8.75	4.82 ug/L	156555	Chlorobenzene-d5		9.09	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-3-Nonene	126	C9H18	020237-46-1	45
2		cis-2-Nonene	126	C9H18	006434-77-1	43
3		Cyclopentane, butyl-	126	C9H18	002040-95-1	42
4		2-Nonene	126	C9H18	002216-38-8	41
5		cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

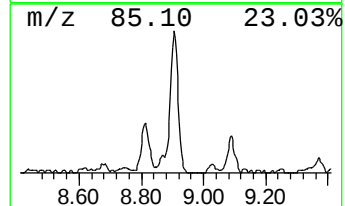
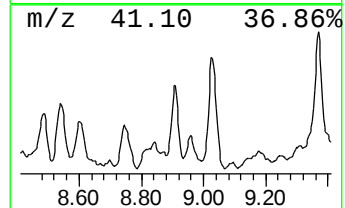
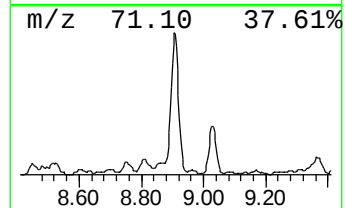
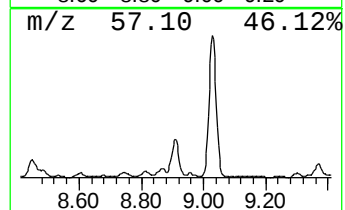
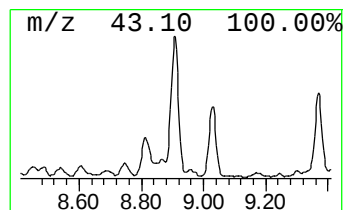
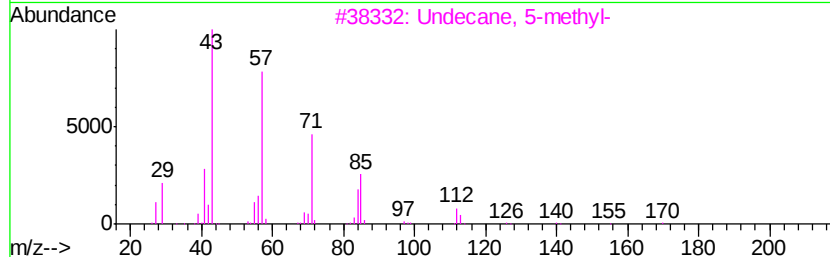
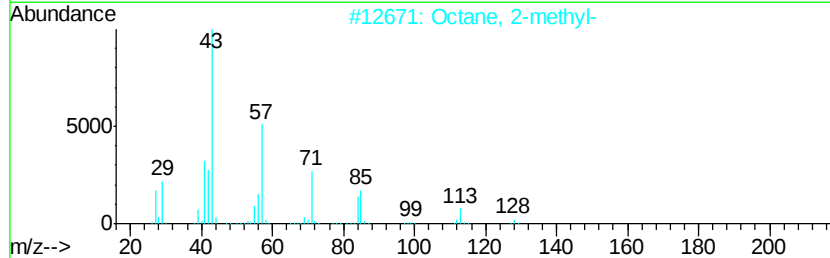
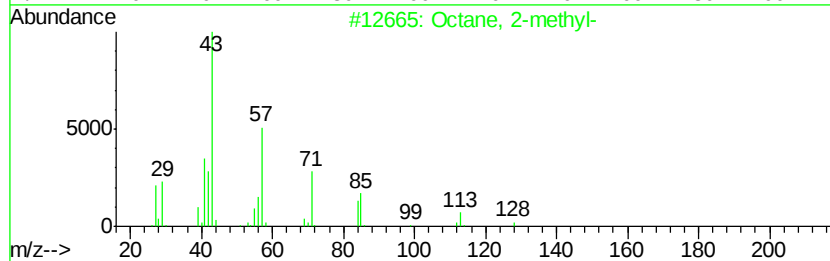
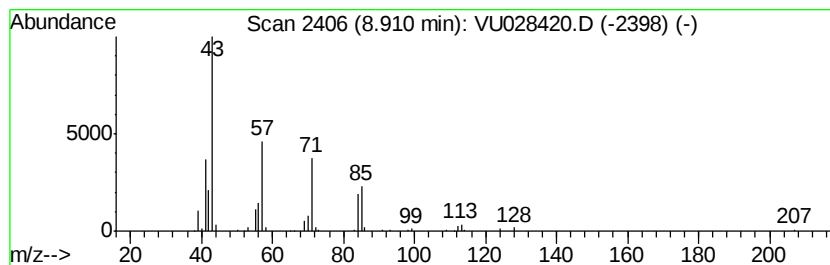
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	4.99 ug/L	162204	Chlorobenzene-d5	9.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2-methyl-	128	C9H20	003221-61-2	72
2			Octane, 2-methyl-	128	C9H20	003221-61-2	68
3			Undecane, 5-methyl-	170	C12H26	001632-70-8	59
4			N,N'-Bis(2-methyl-2-nitrosobutan...	230	C10H18N2O4	034946-73-1	59
5			Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

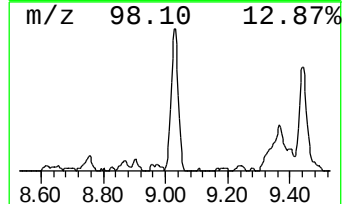
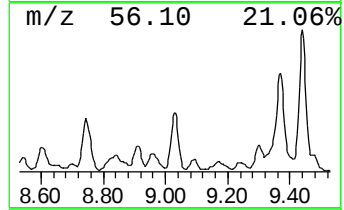
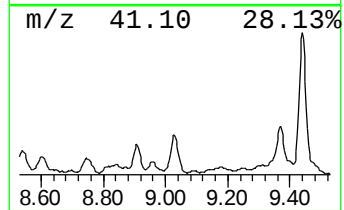
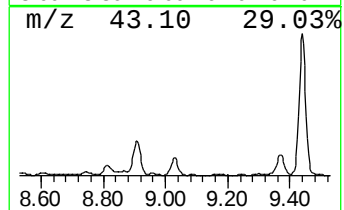
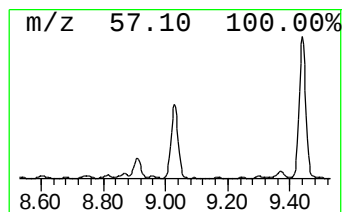
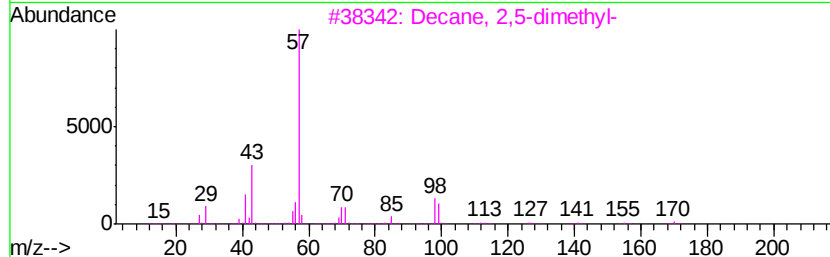
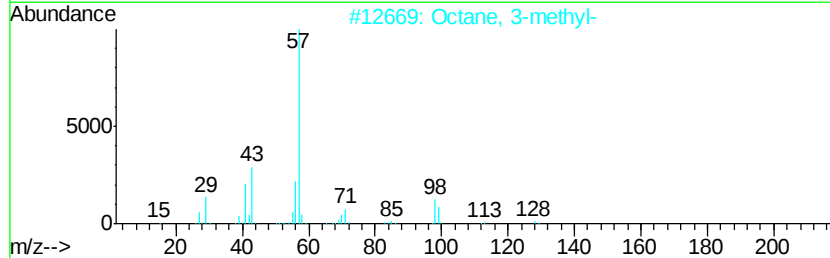
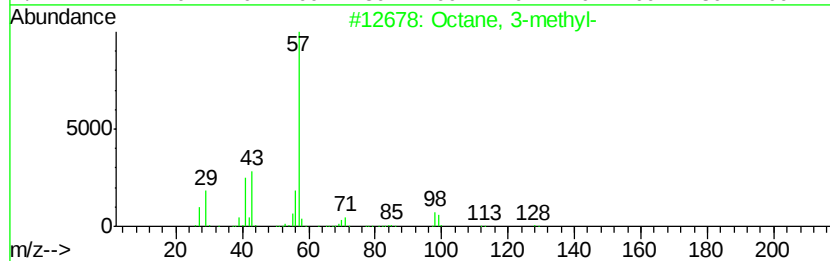
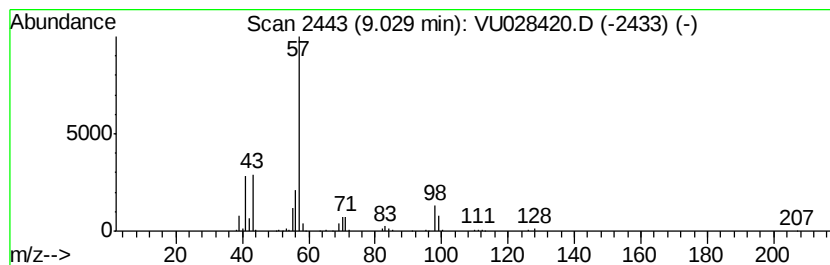
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	6.76 ug/L	219668	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	87
2		Octane, 3-methyl-	128	C9H20	002216-33-3	87
3		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64
4		2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	64
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
 Data File : VU028420.D
 Acq On : 30 Nov 2018 13:59
 Operator : MD/SY
 Sample : J6077-06ME
 Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y41ME

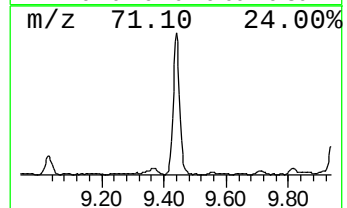
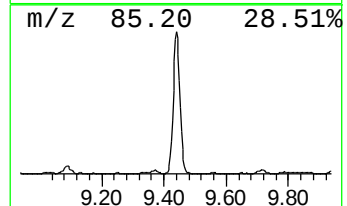
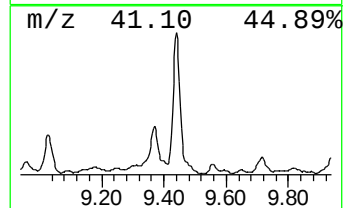
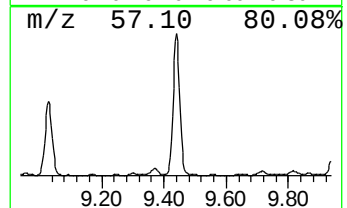
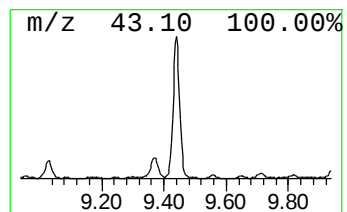
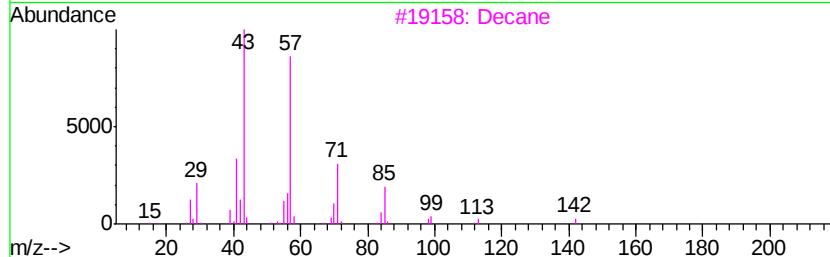
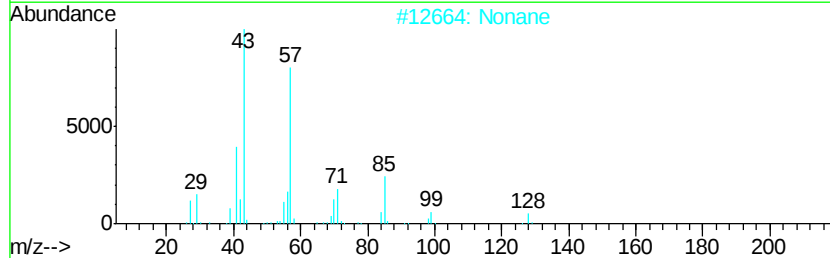
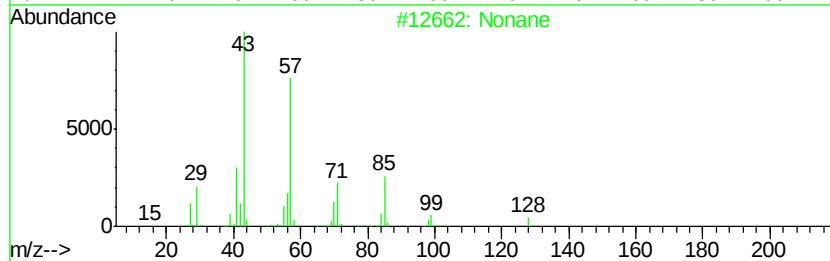
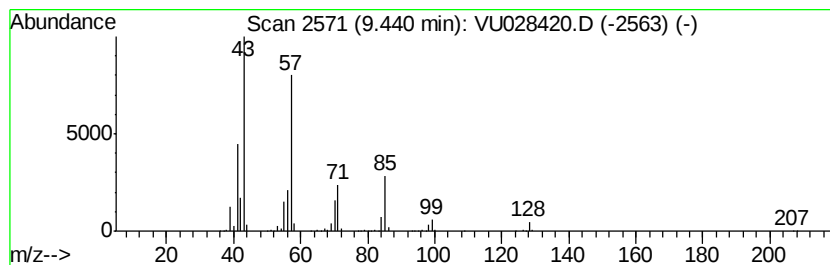
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 Quant Title : VOC Analysis

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

 Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	29.43 ug/L	956334	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	94
2		Nonane	128	C9H20	000111-84-2	83
3		Decane	142	C10H22	000124-18-5	64
4		Octane	114	C8H18	000111-65-9	64
5		Nonane	128	C9H20	000111-84-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

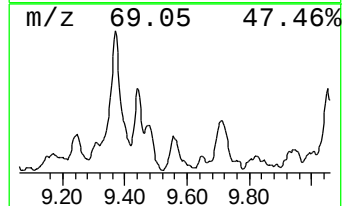
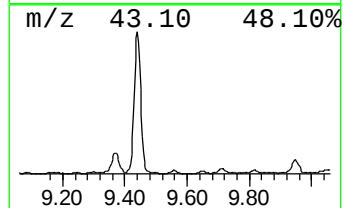
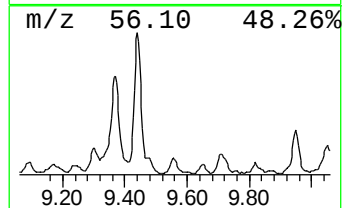
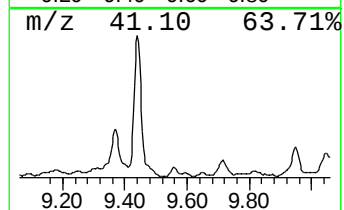
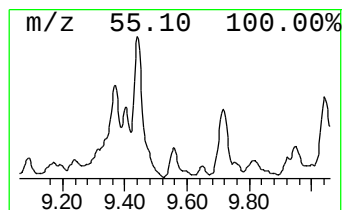
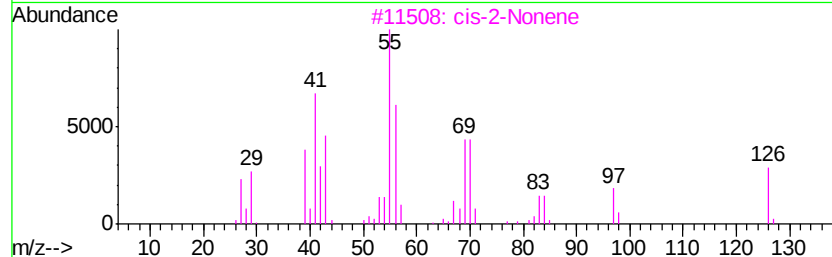
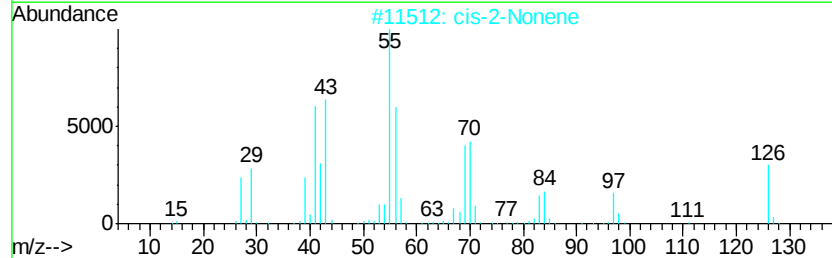
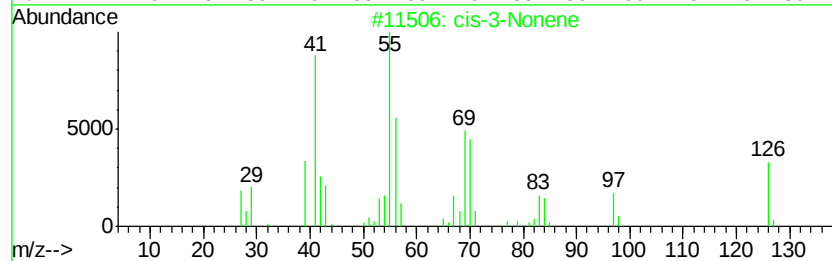
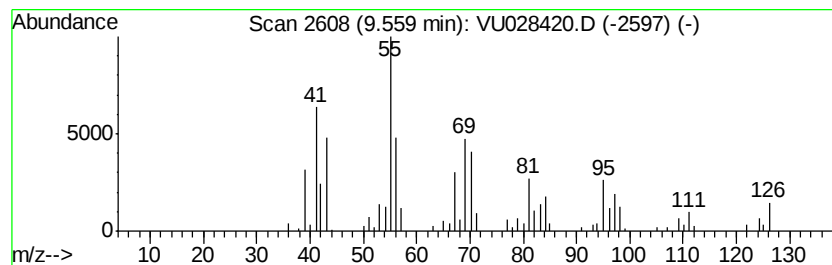
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Cyclic9.56 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	3.26 ug/L	106062	Chlorobenzene-d5	9.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-3-Nonene	126	C9H18	020237-46-1	94
2			cis-2-Nonene	126	C9H18	006434-77-1	93
3			cis-2-Nonene	126	C9H18	006434-77-1	86
4			2-Nonene, (E)-	126	C9H18	006434-78-2	70
5			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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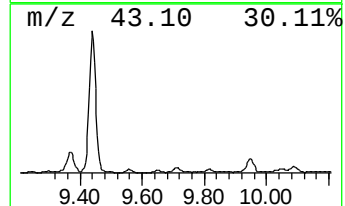
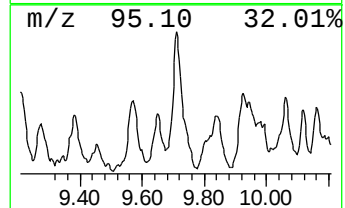
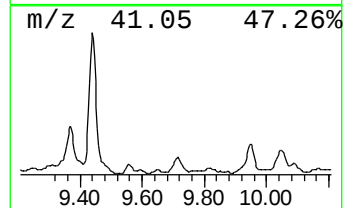
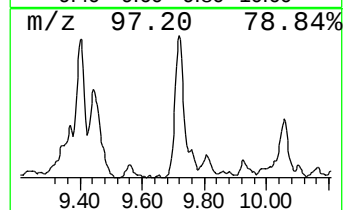
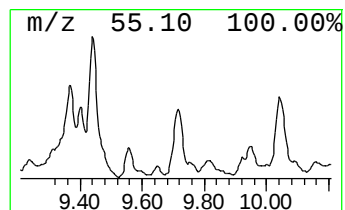
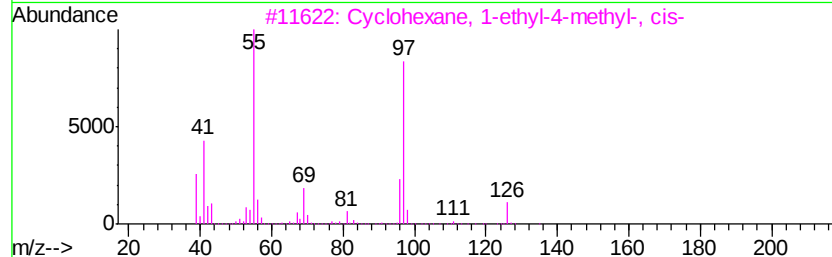
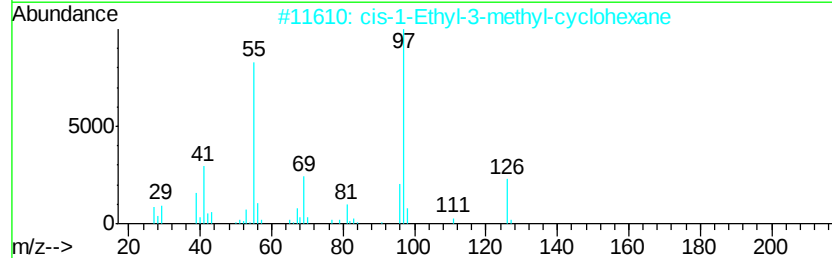
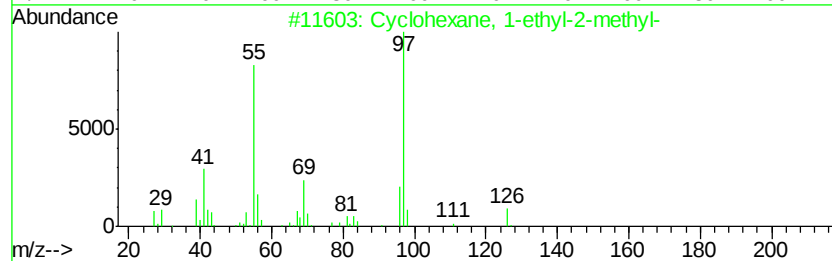
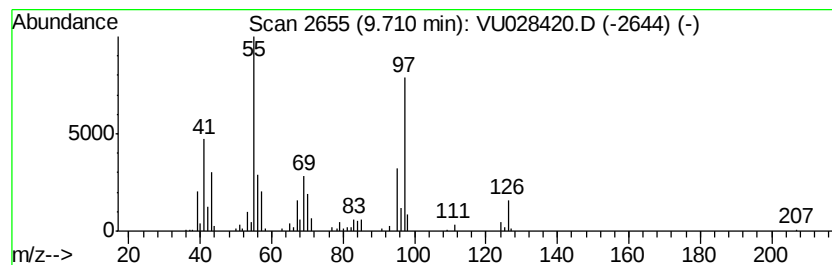
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Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Cyclic9.71 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	4.79 ug/L	155594	Chlorobenzene-d5	9.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	76
2			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	62
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	62
4			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59
5			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

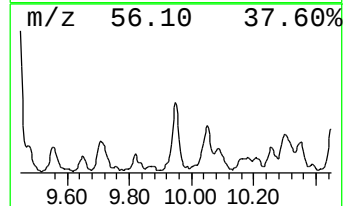
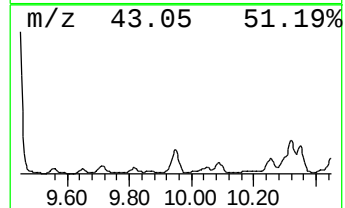
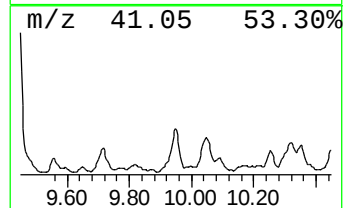
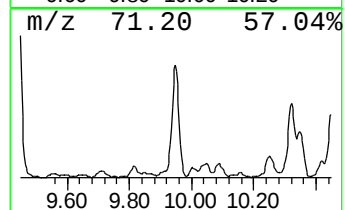
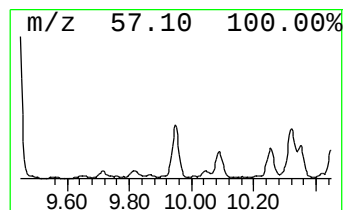
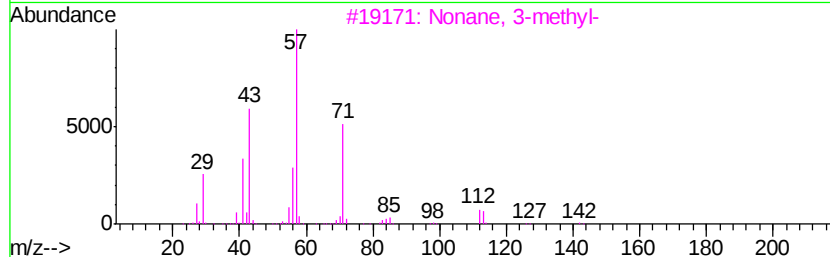
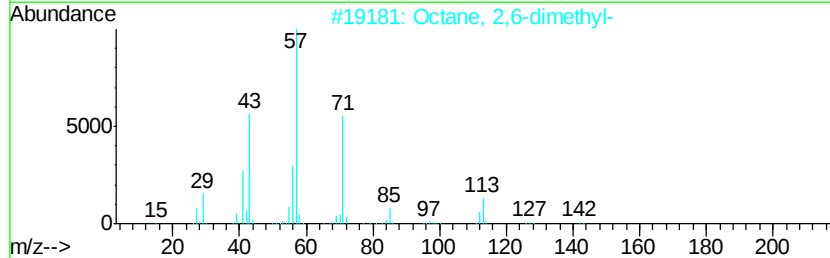
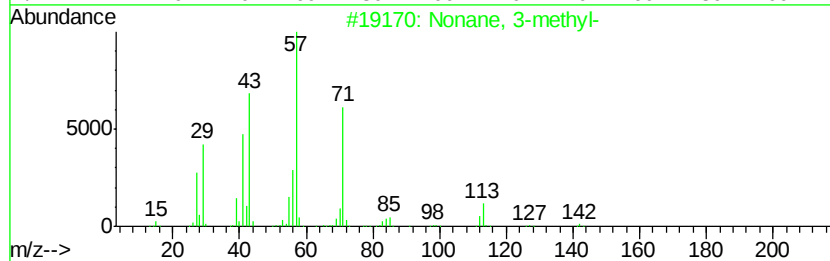
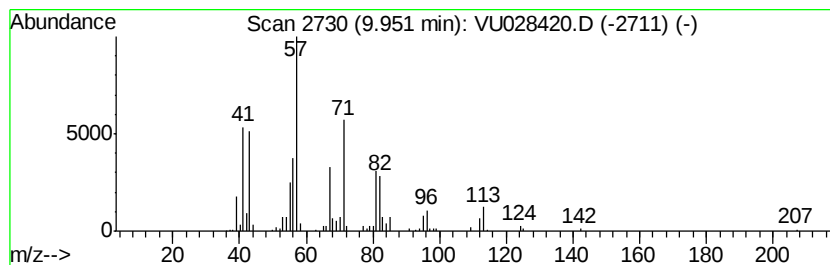
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	8.78 ug/L	285406	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	60
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	60
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

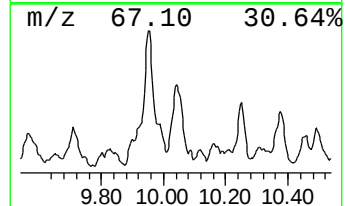
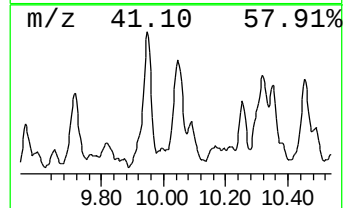
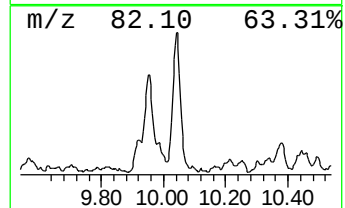
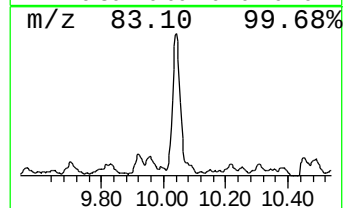
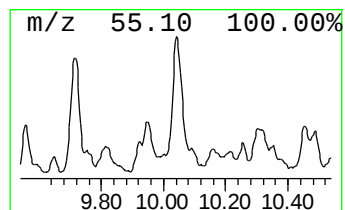
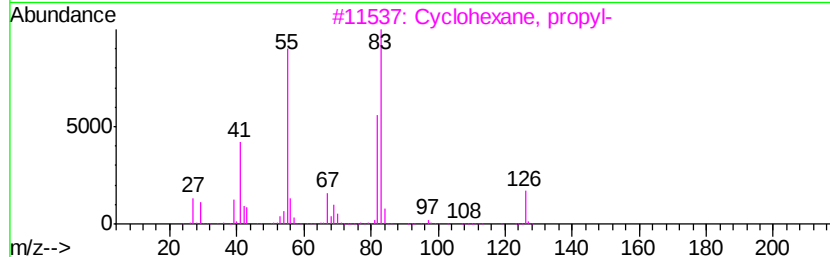
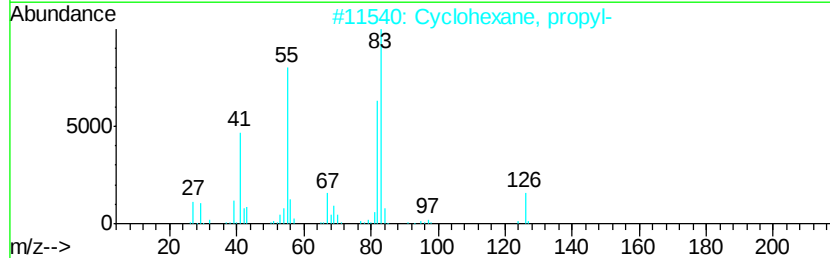
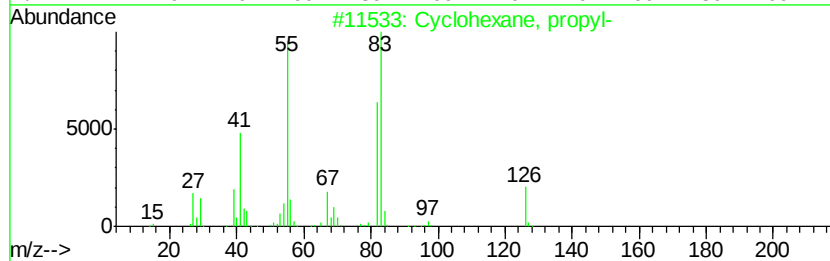
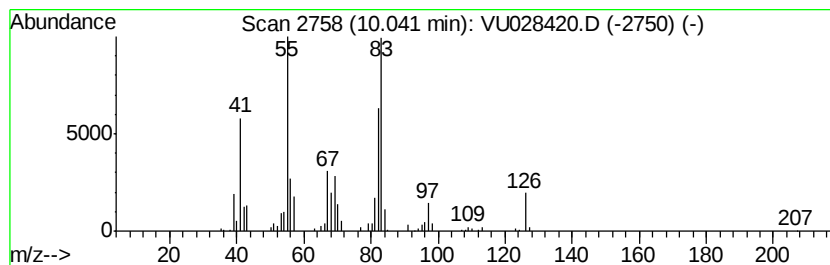
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Cyclic10.04 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	5.47 ug/L	177819	Chlorobenzene-d5	9.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	64
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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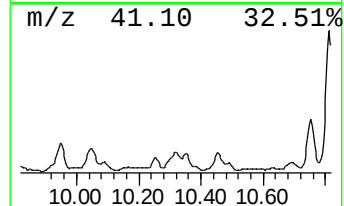
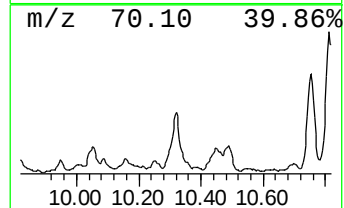
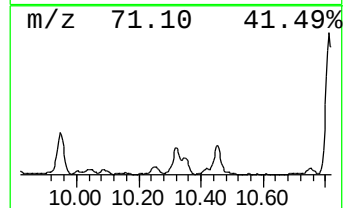
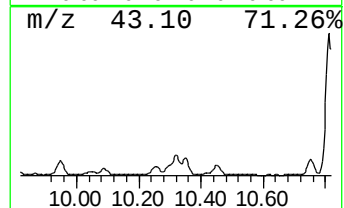
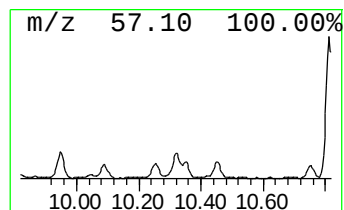
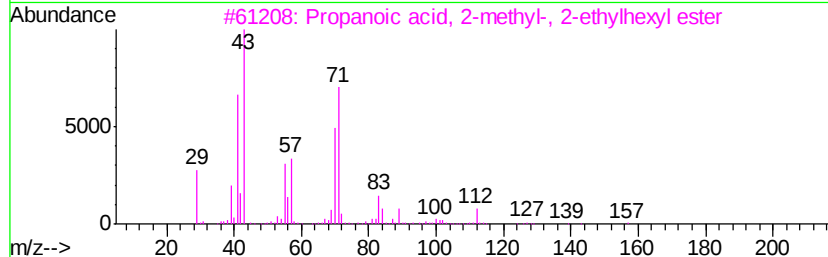
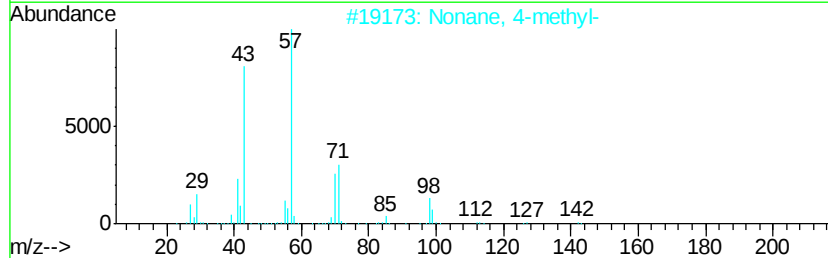
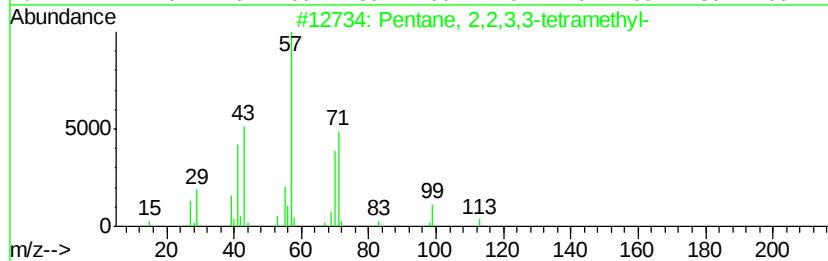
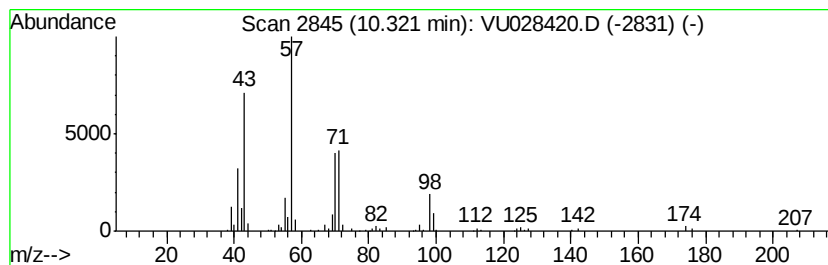
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	5.07 ug/L	181010	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	72
2			Nonane, 4-methyl-	142	C10H22	017301-94-9	68
3			Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	59
4			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
5			Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

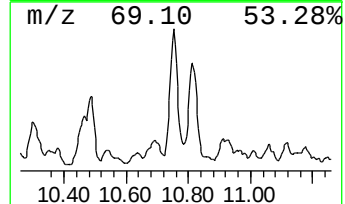
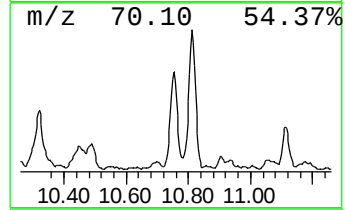
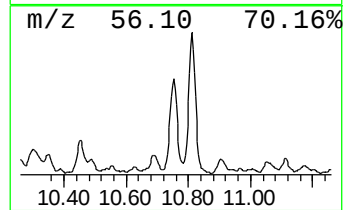
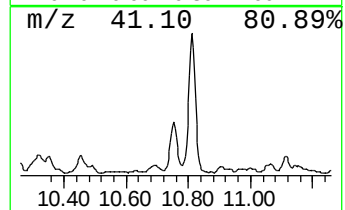
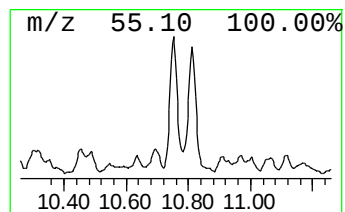
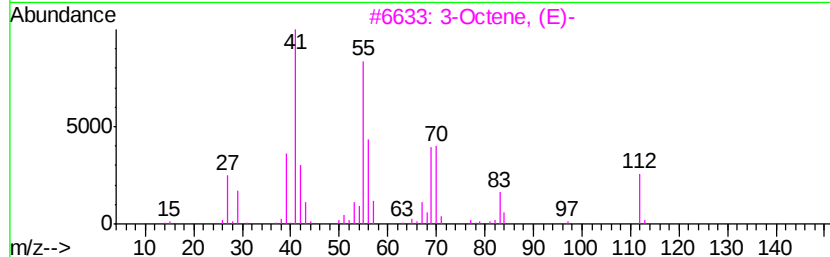
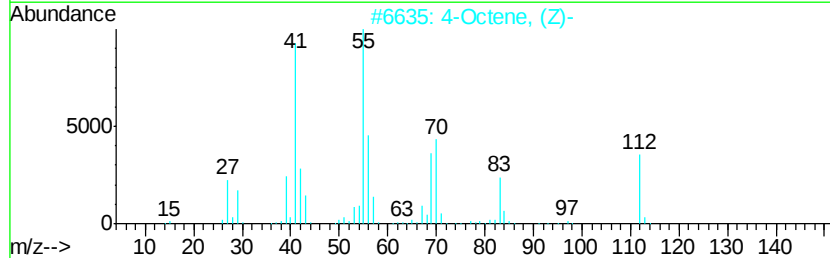
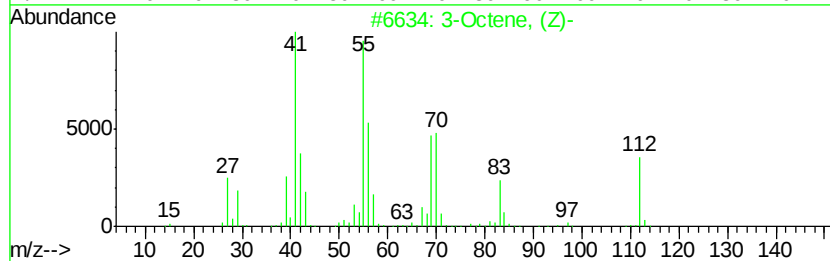
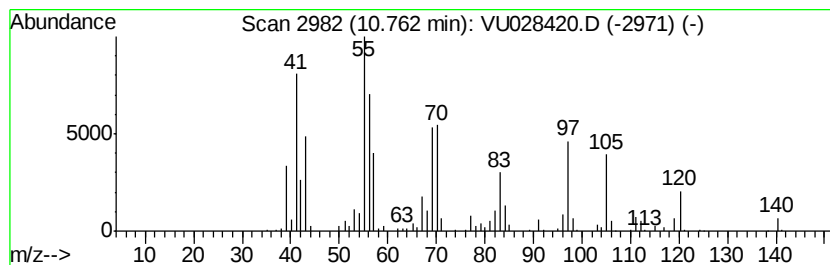
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Cyclic10.76 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	10.99 ug/L	392040	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, (Z)-		112	C8H16	014850-22-7	76
2	4-Octene, (Z)-		112	C8H16	007642-15-1	76
3	3-Octene, (E)-		112	C8H16	014919-01-8	68
4	4-Octene, (Z)-		112	C8H16	007642-15-1	64
5	2-Octene, (E)-		112	C8H16	013389-42-9	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

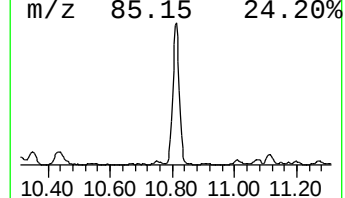
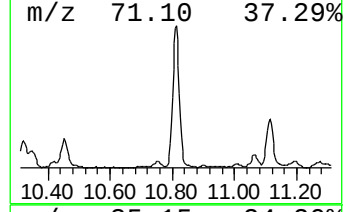
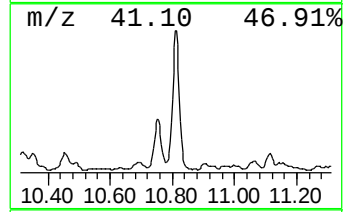
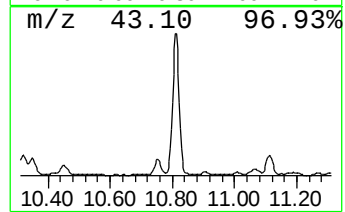
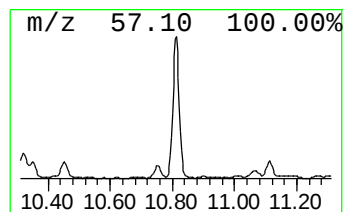
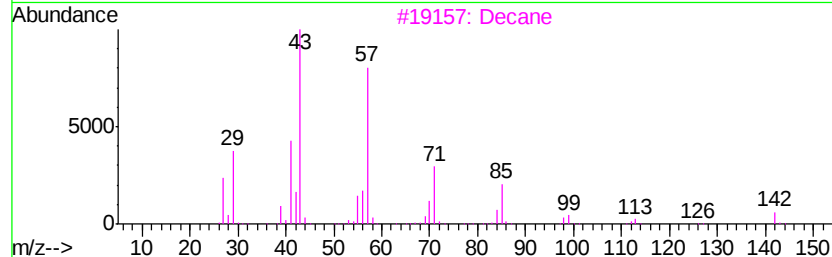
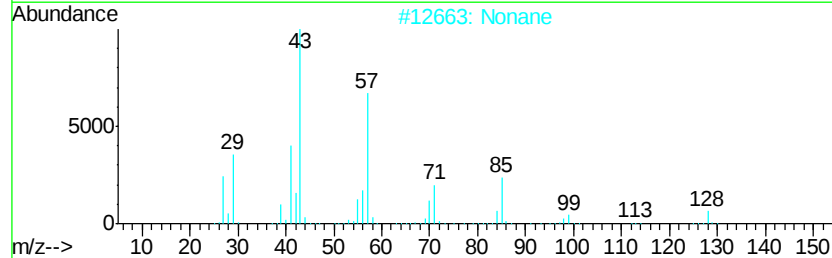
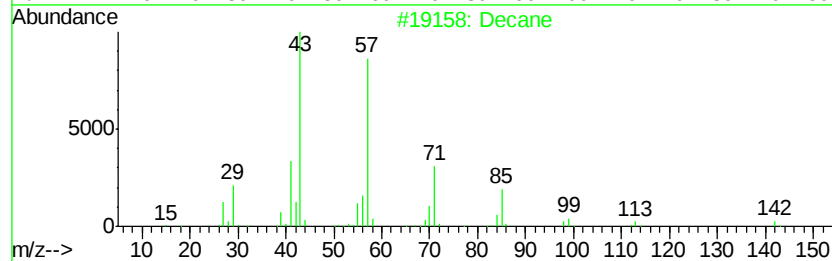
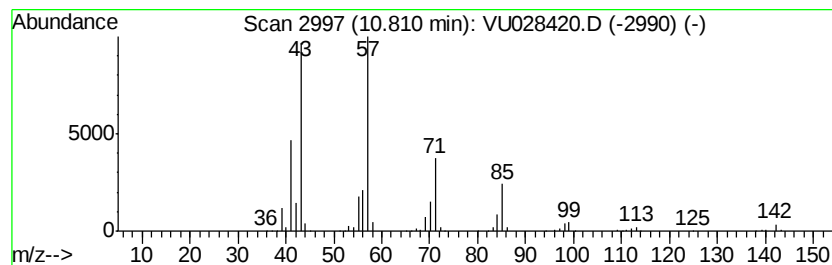
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Quant Title : VOC Analysis

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

Peak Number 46 Decane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	25.61 ug/L	913582	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane			142	C10H22	000124-18-5	94
2	Nonane			128	C9H20	000111-84-2	90
3	Decane			142	C10H22	000124-18-5	90
4	Nonane			128	C9H20	000111-84-2	83
5	1-Iodo-2-methylundecane			296	C12H25I	073105-67-6	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

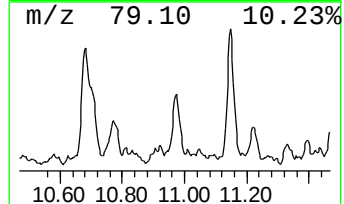
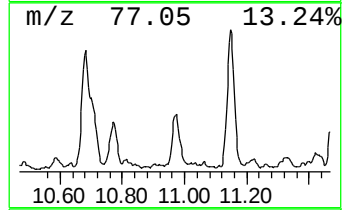
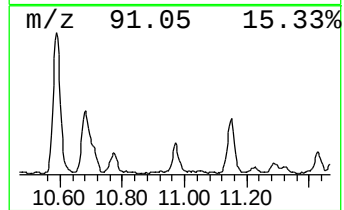
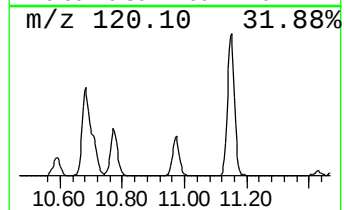
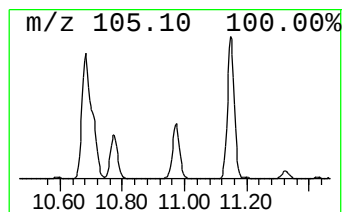
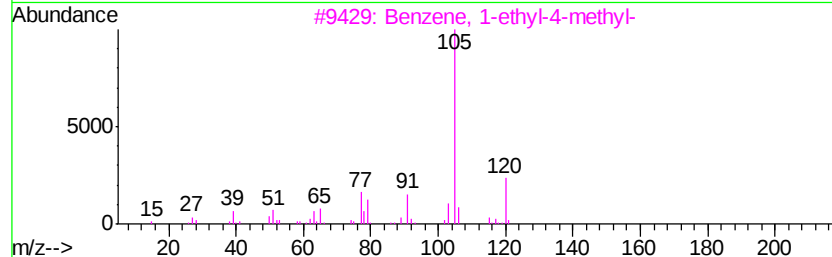
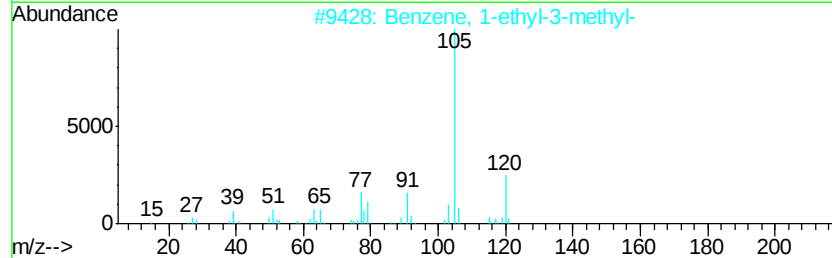
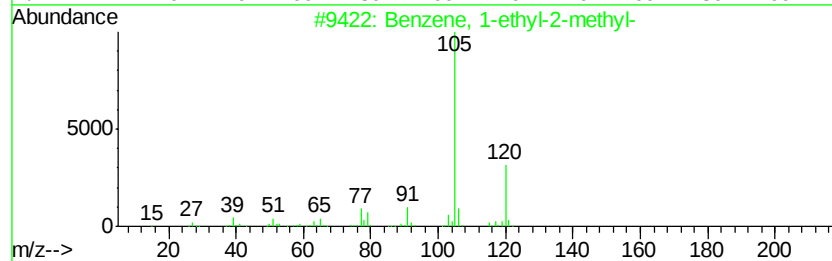
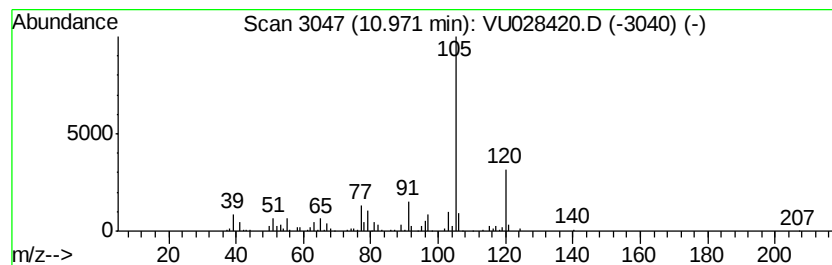
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Quant Title : VOC Analysis

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

Peak Number 47 Benzene, 1-ethyl-2-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.38 ug/L	120637	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

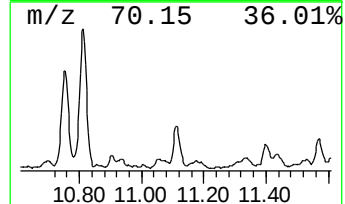
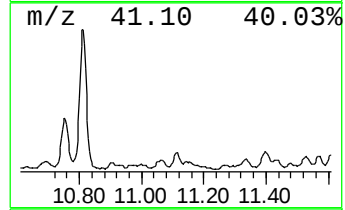
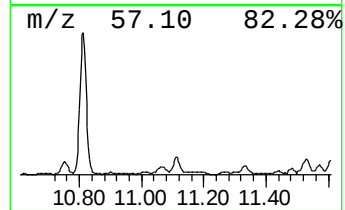
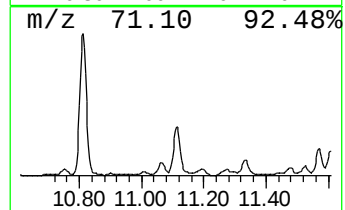
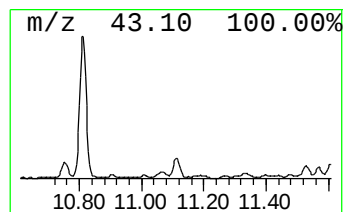
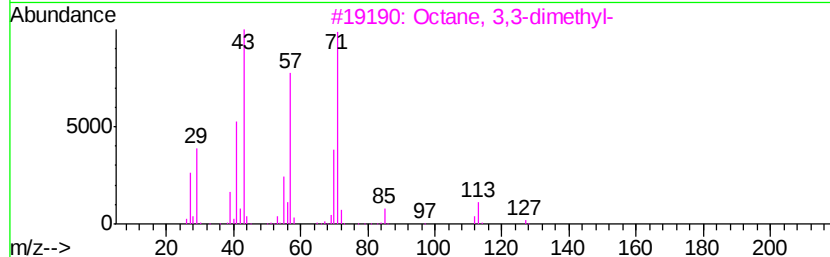
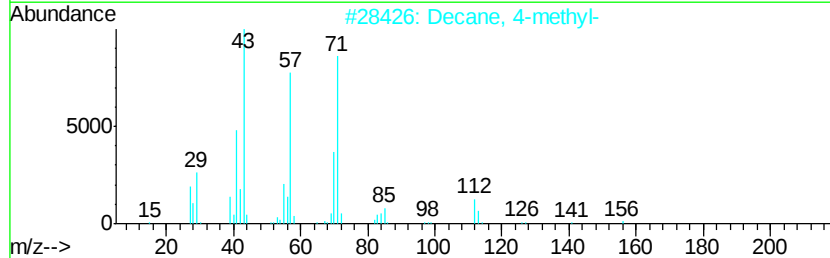
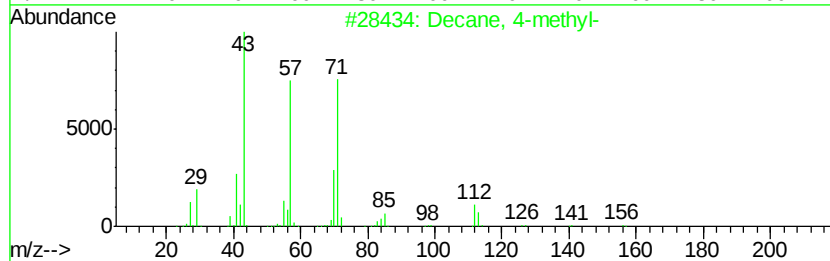
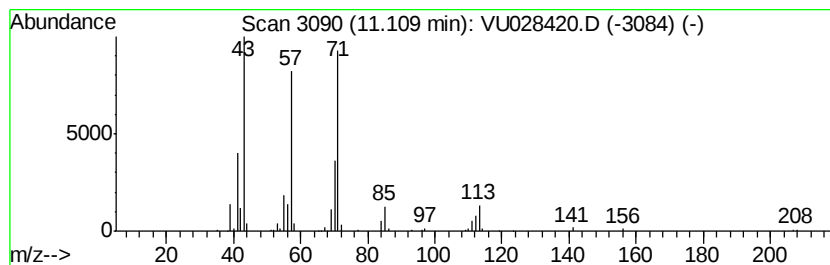
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Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	3.28 ug/L	117044	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	87
2			Decane, 4-methyl-	156	C11H24	002847-72-5	86
3			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
4			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	78
5			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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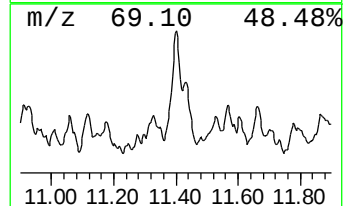
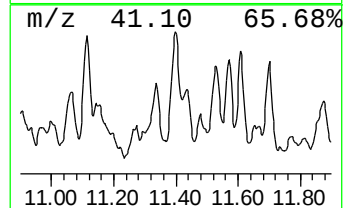
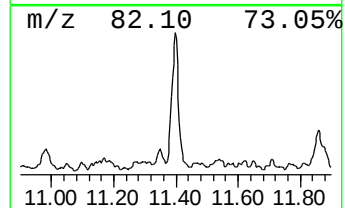
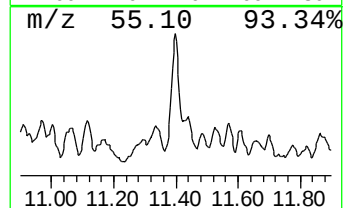
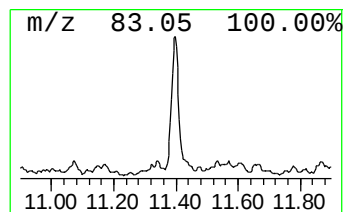
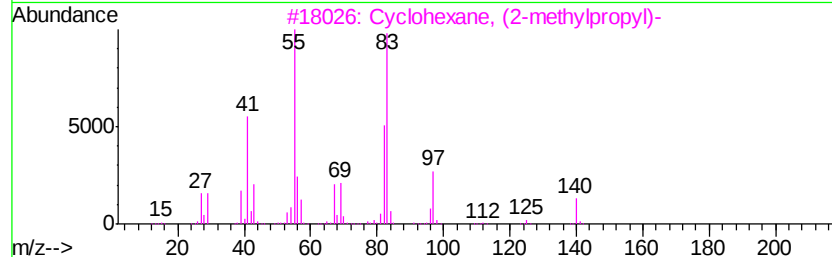
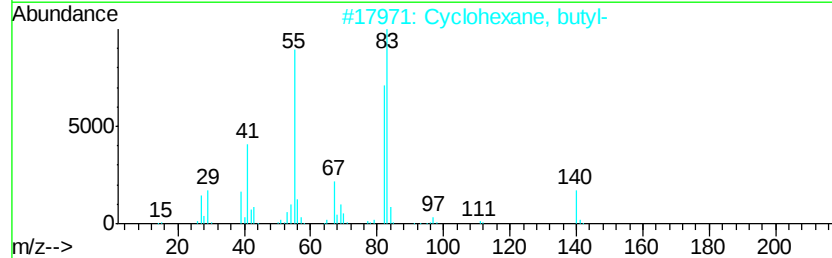
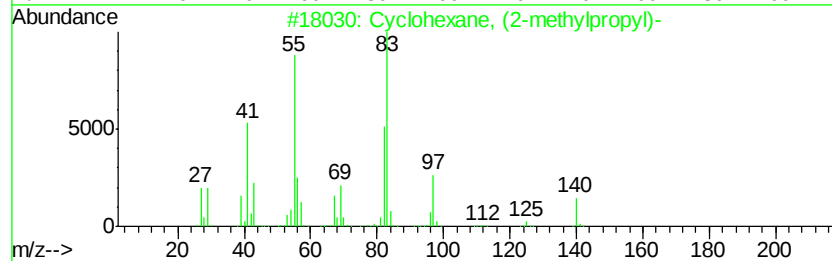
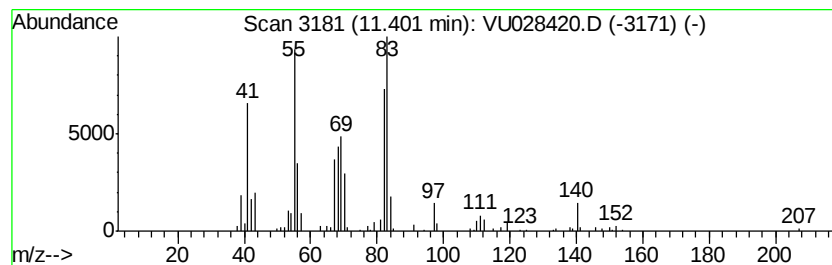
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Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Cyclic11.40 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.65 ug/L	130101	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	58
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	52
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	49
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	46
5			Cyclohexane, methyl-	98	C7H14	000108-87-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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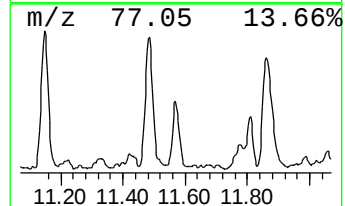
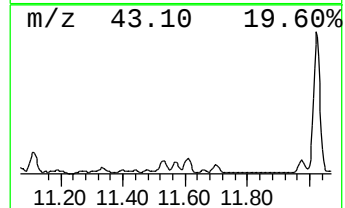
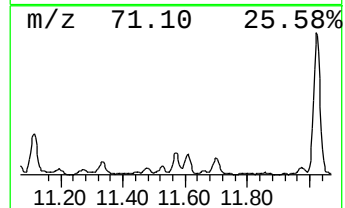
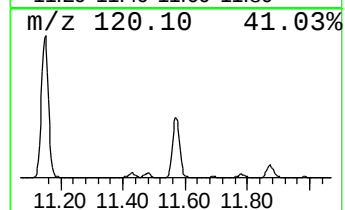
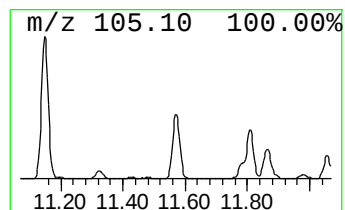
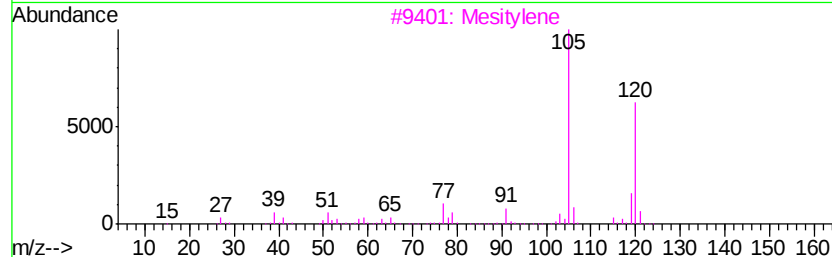
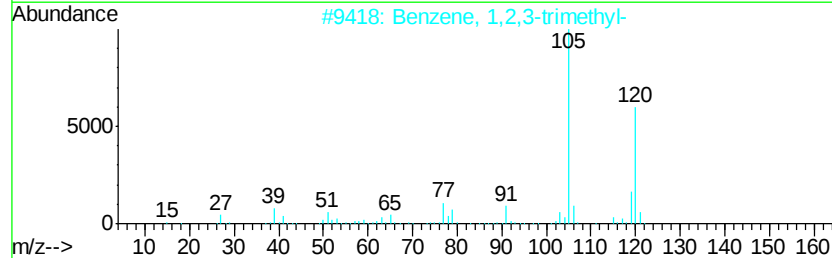
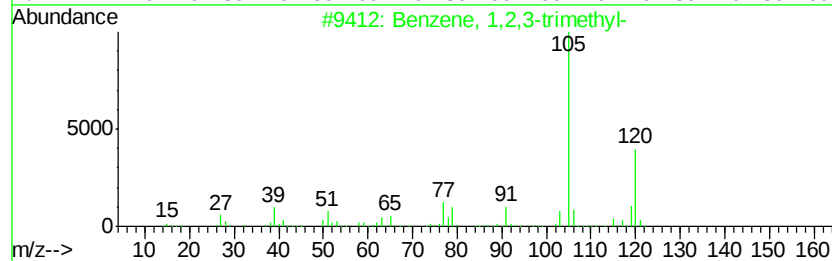
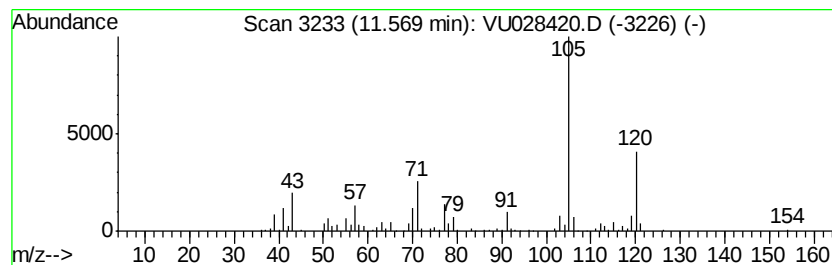
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Quant Title : VOC Analysis

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

Peak Number 51 Benzene, 1,2,3-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	4.89 ug/L	174402	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3			Mesitylene	120	C9H12	000108-67-8	90
4			Mesitylene	120	C9H12	000108-67-8	81
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

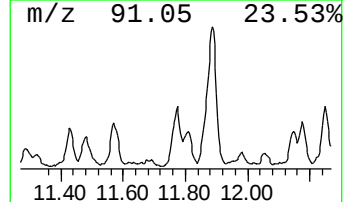
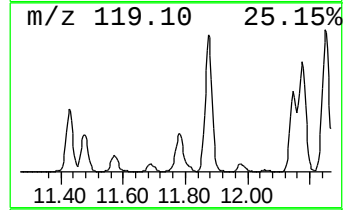
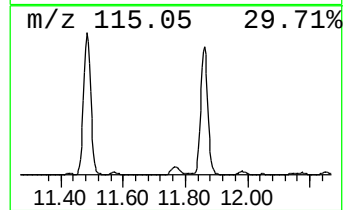
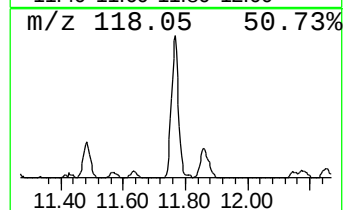
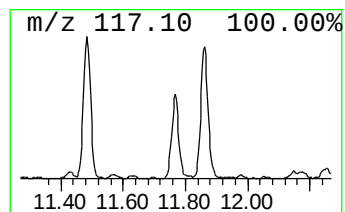
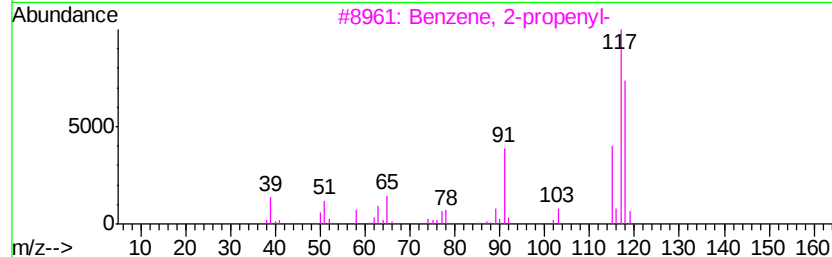
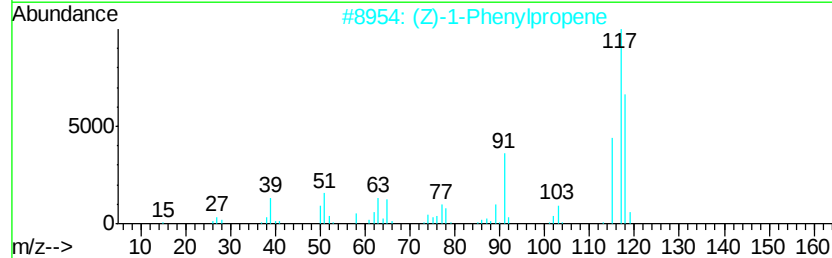
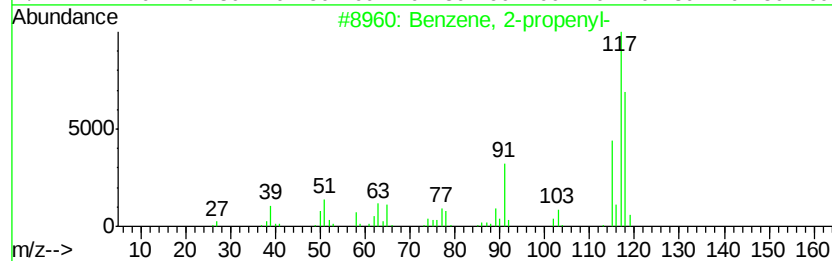
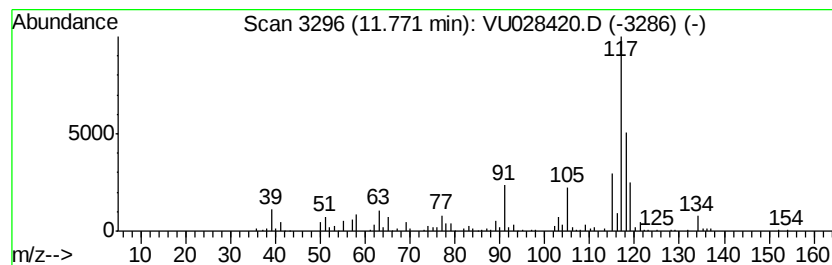
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Quant Title : VOC Analysis

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

Peak Number 52 Benzene, 2-propenyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.22 ug/L	150679	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
2			(Z)-1-Phenylpropene	118	C9H10	000766-90-5	83
3			Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5			Indane	118	C9H10	000496-11-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

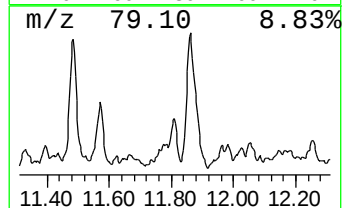
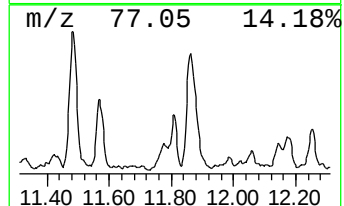
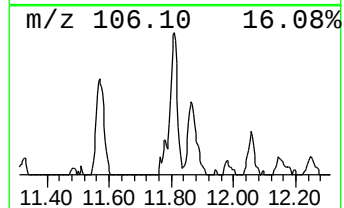
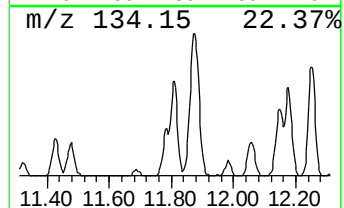
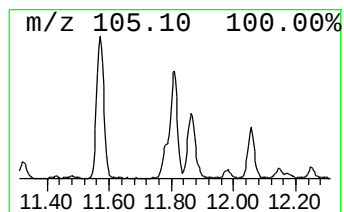
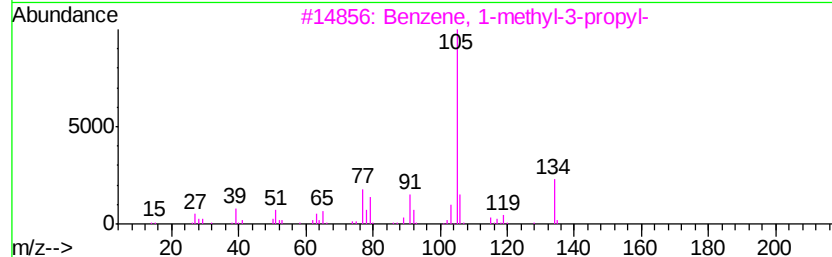
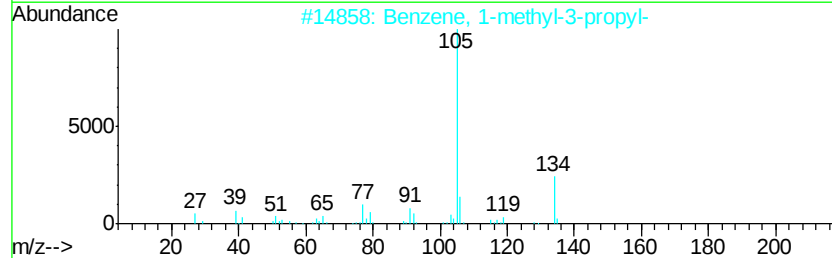
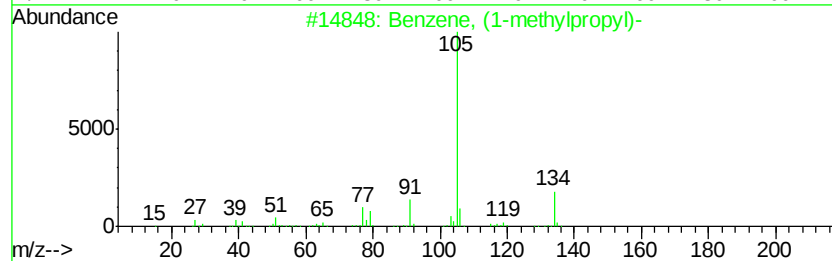
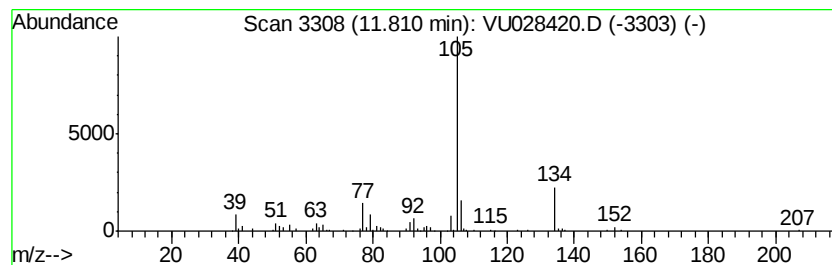
Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

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Quant Title : VOC Analysis

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

Peak Number 53 Benzene, (1-methylpropyl)- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	2.59 ug/L	92348	1,4-Dichlorobenzene-d4	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	78
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

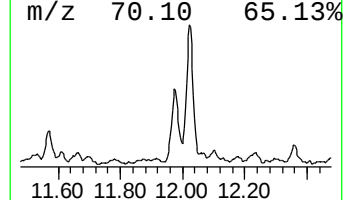
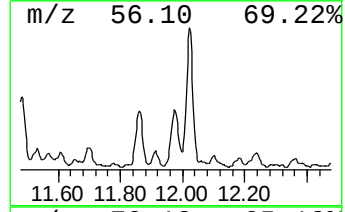
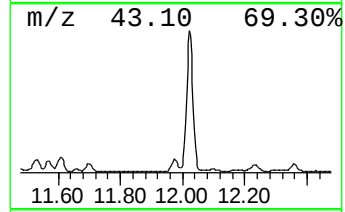
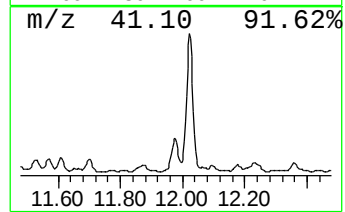
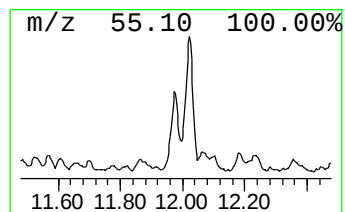
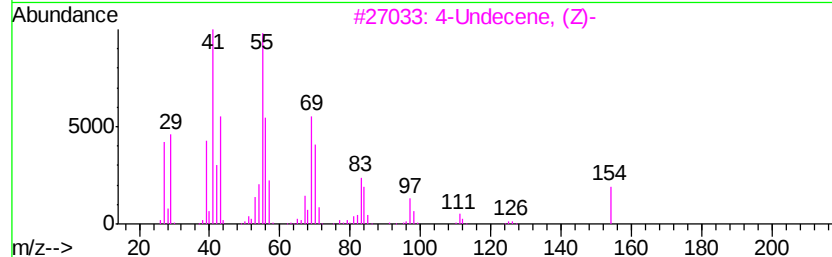
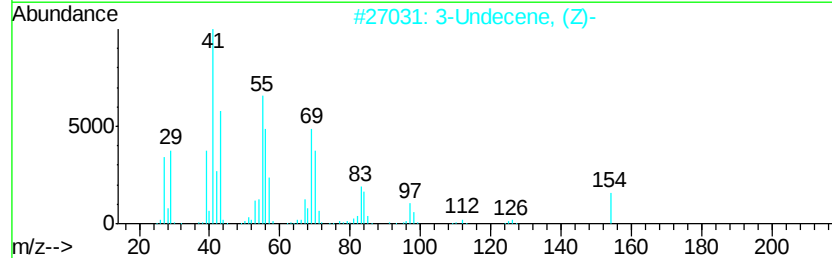
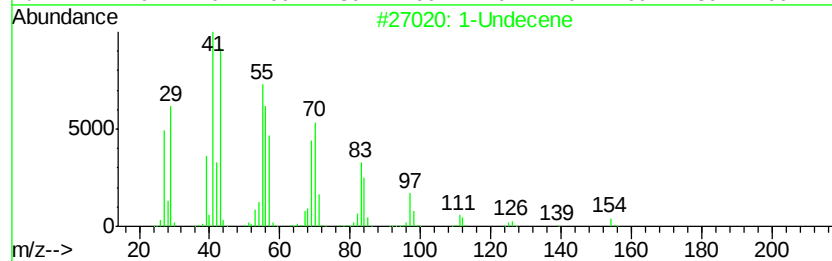
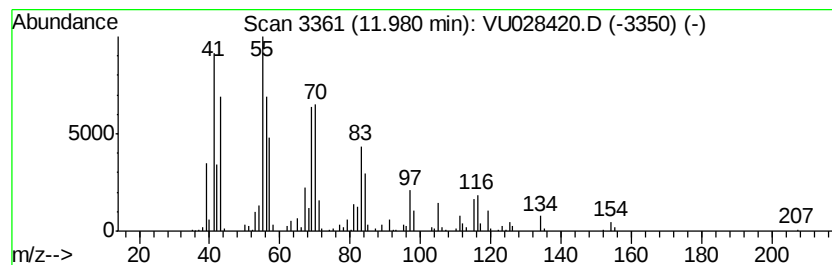
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Quant Title : VOC Analysis

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

Peak Number 54 (DEL) Alkane: Cyclic11.98 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	6.16 ug/L	219652	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Undecene	154	C11H22	000821-95-4	86
2			3-Undecene, (Z)-	154	C11H22	000821-97-6	86
3			4-Undecene, (Z)-	154	C11H22	000821-98-7	81
4			2-Dodecene, (Z)-	168	C12H24	007206-26-0	74
5			1-Undecanol	172	C11H24O	000112-42-5	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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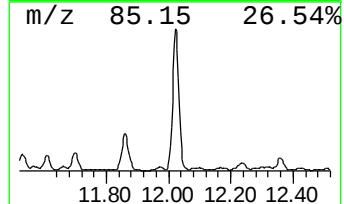
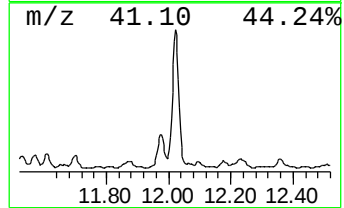
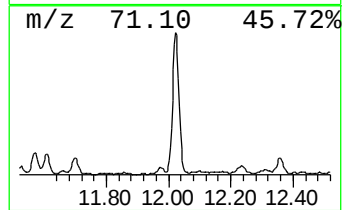
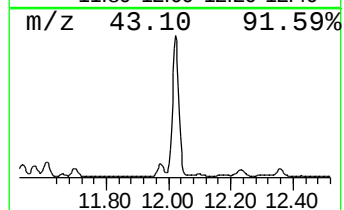
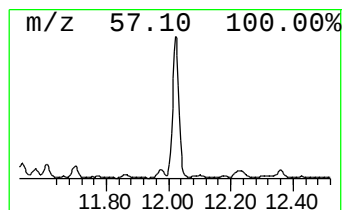
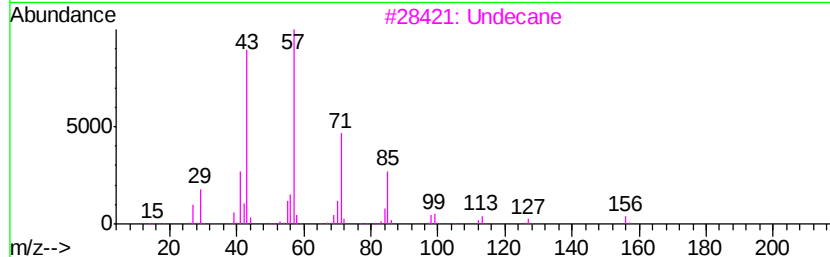
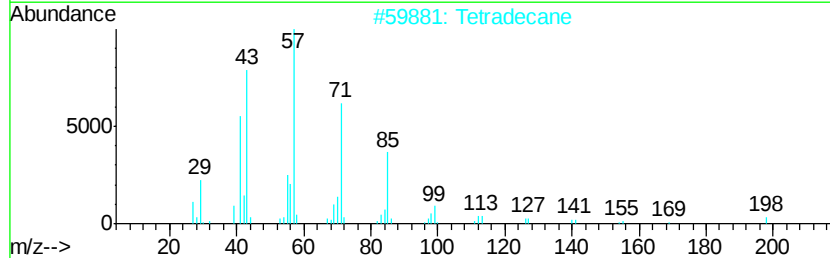
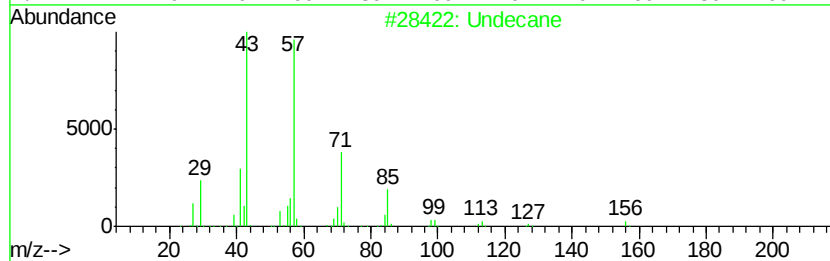
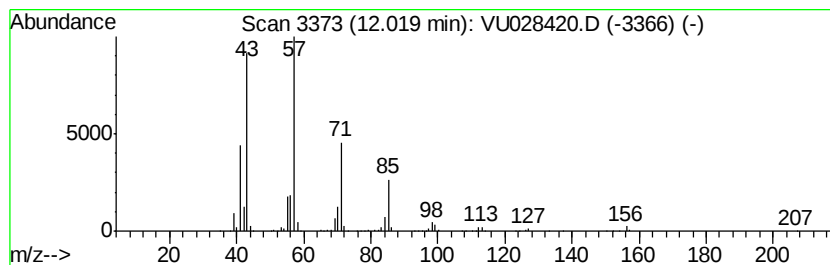
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Quant Title : VOC Analysis

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	24.26 ug/L	865258	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	90
2		Tetradecane	198	C14H30	000629-59-4	90
3		Undecane	156	C11H24	001120-21-4	90
4		Tridecane	184	C13H28	000629-50-5	78
5		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

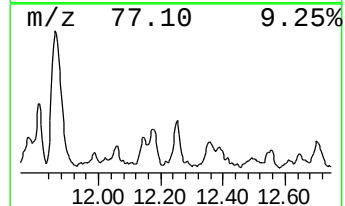
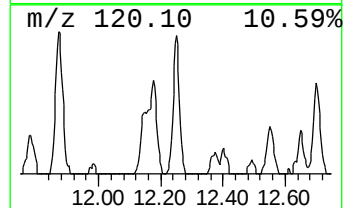
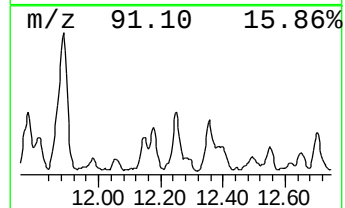
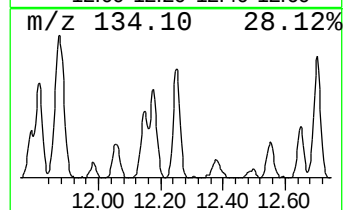
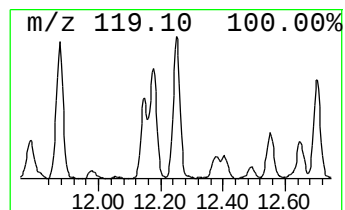
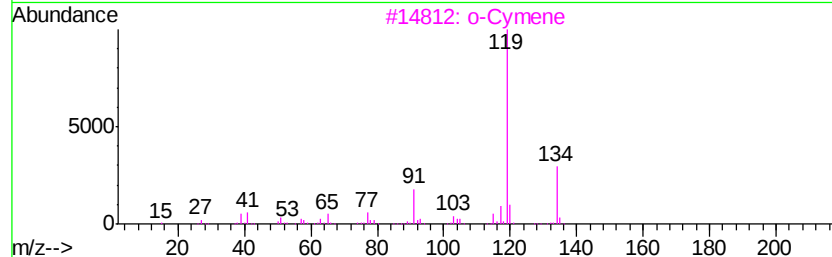
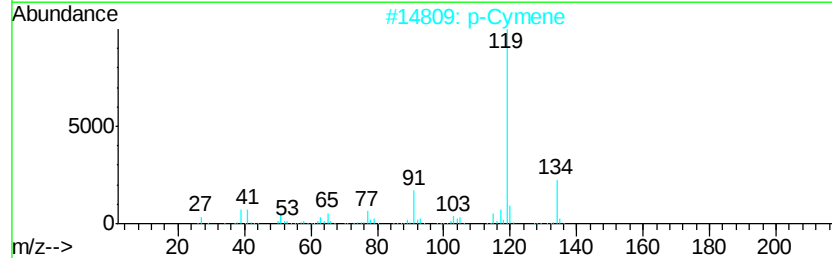
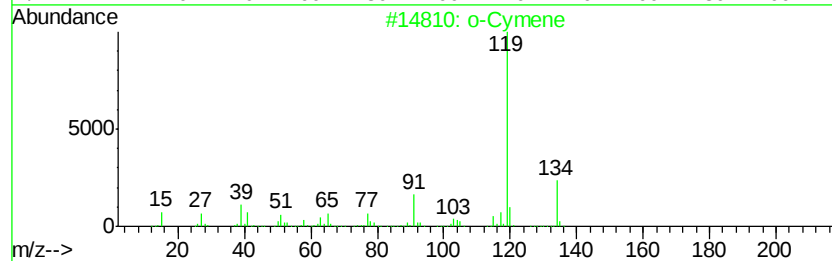
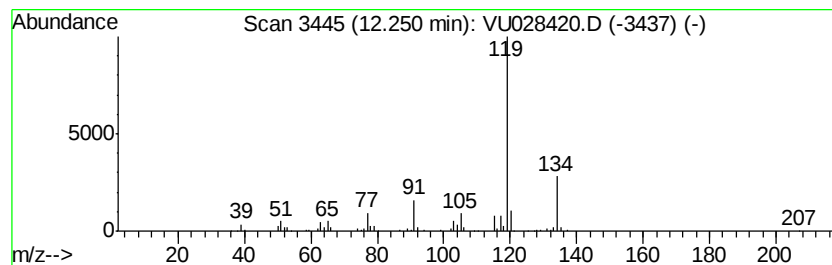
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 56 o-Cymene Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	3.19 ug/L	113655	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 95
2		p-Cymene	134 C10H14	000099-87-6 95
3		o-Cymene	134 C10H14	000527-84-4 95
4		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 95
5		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

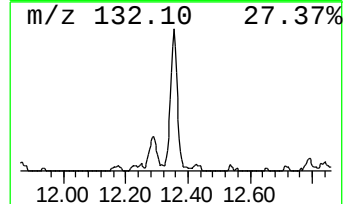
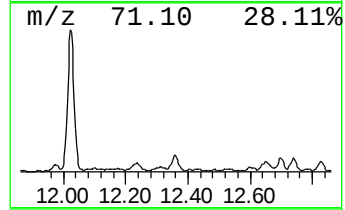
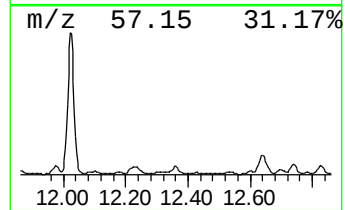
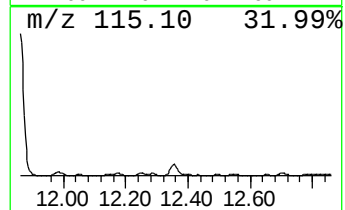
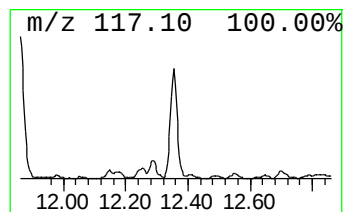
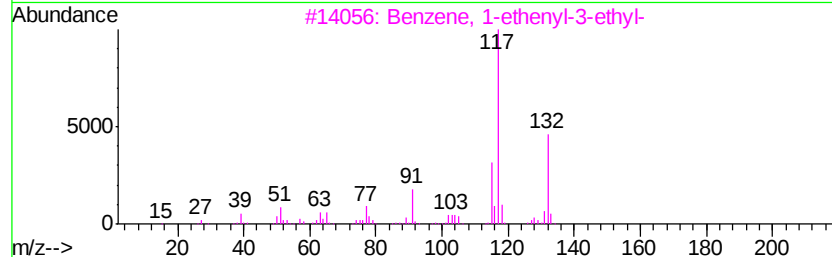
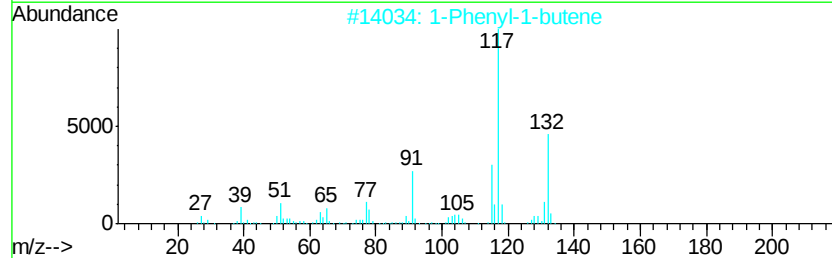
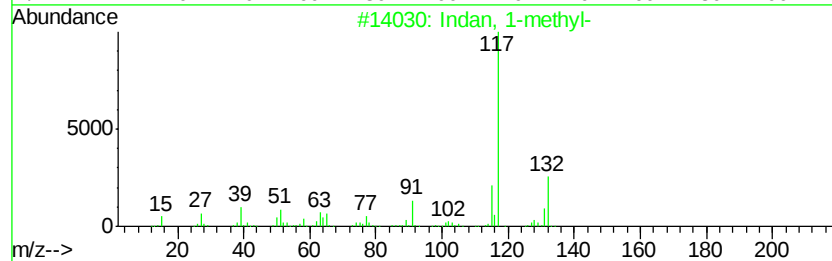
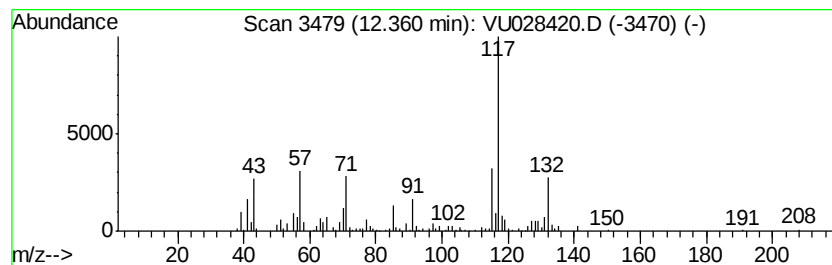
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Quant Title : VOC Analysis

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

Peak Number 57 Indan, 1-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	4.63 ug/L	165053	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	70
2			1-Phenyl-1-butene	132	C10H12	000824-90-8	68
3			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	68
4			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
5			Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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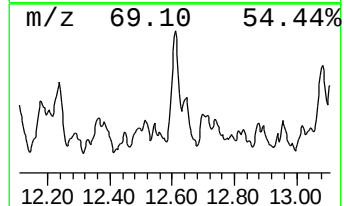
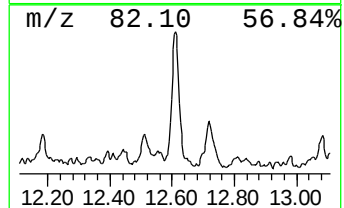
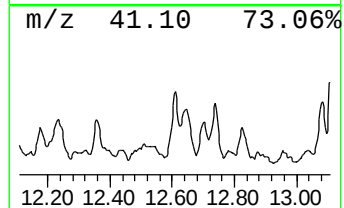
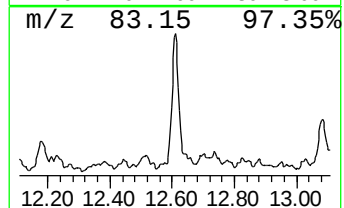
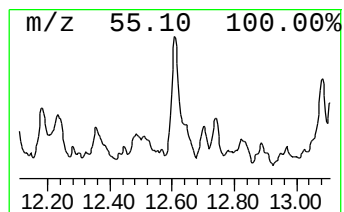
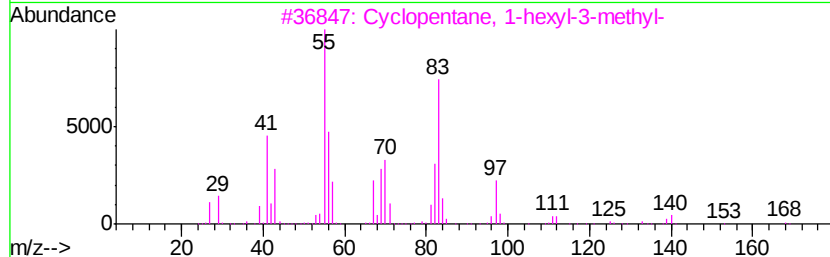
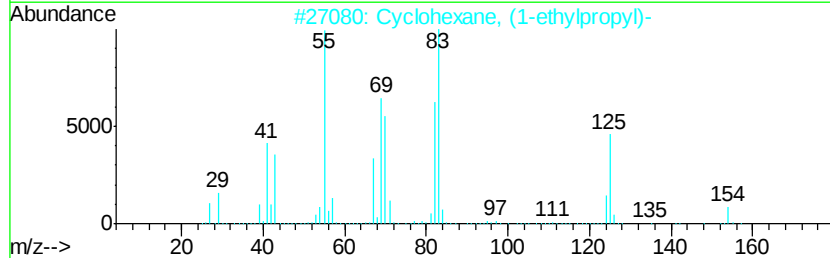
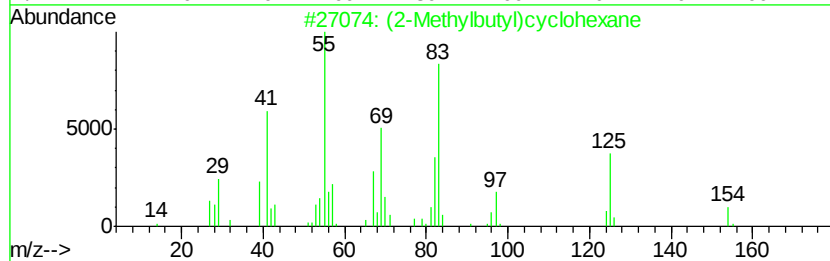
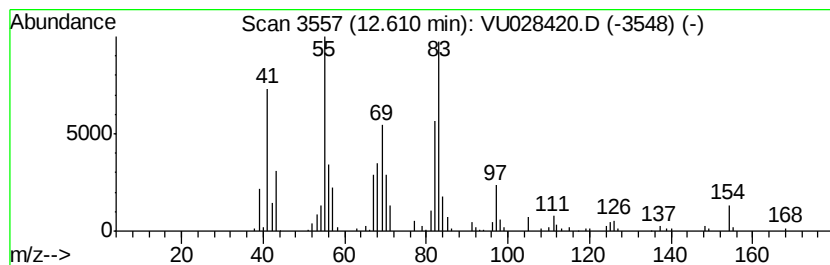
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Quant Title : VOC Analysis

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

Peak Number 58 (DEL) Alkane: Cyclic12.61 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	3.13 ug/L	111776	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(2-Methylbutyl)cyclohexane	154	C11H22	054105-77-0	68
2			Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	64
3			Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	53
4			Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	52
5			Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

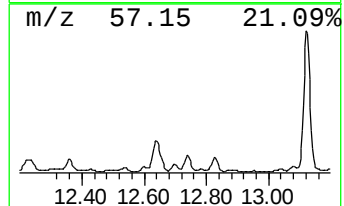
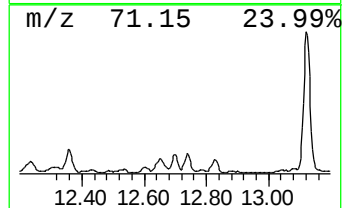
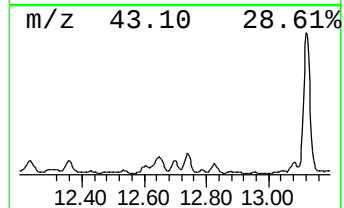
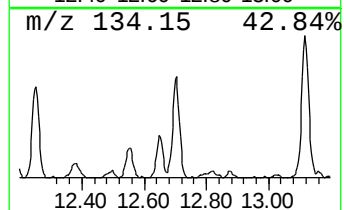
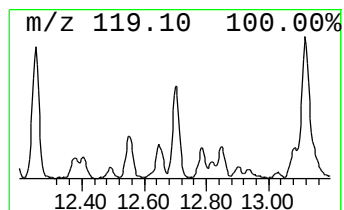
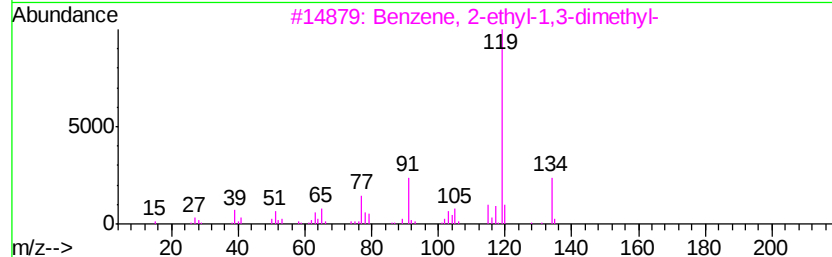
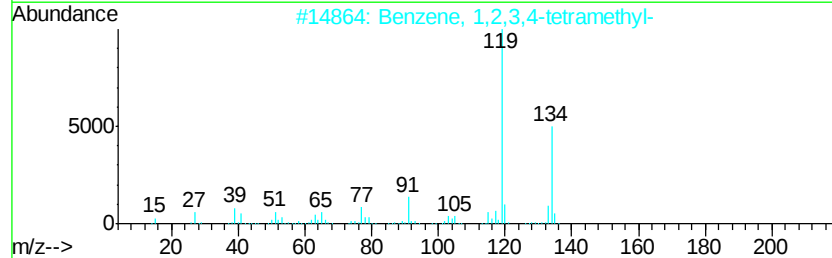
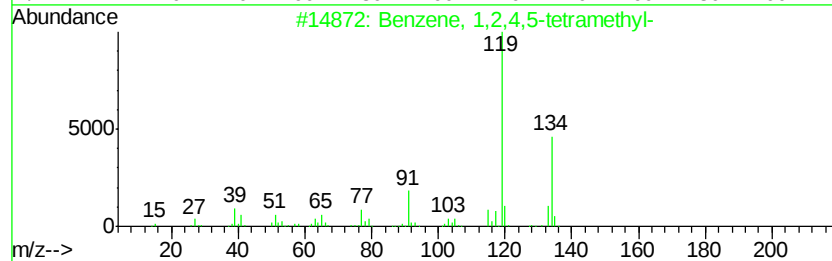
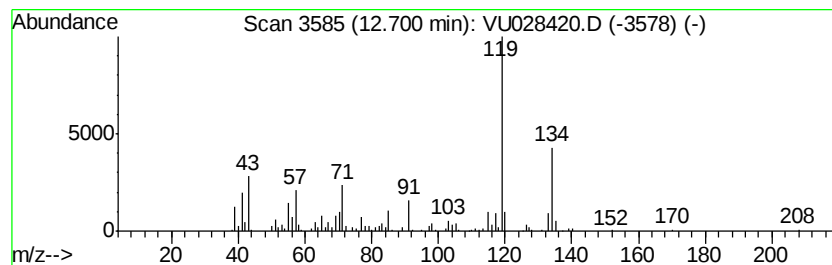
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Quant Title : VOC Analysis

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

Peak Number 59 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	3.53 ug/L	126004	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

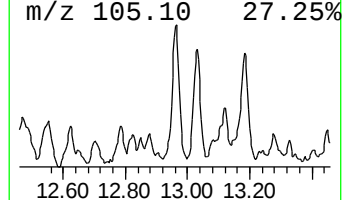
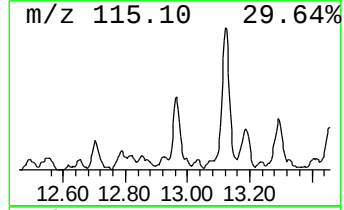
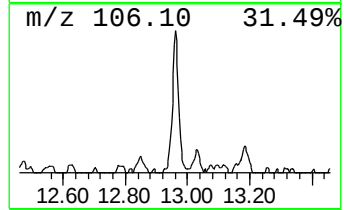
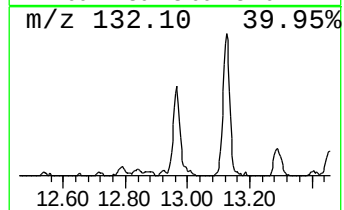
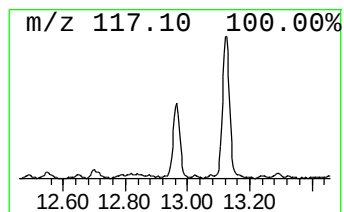
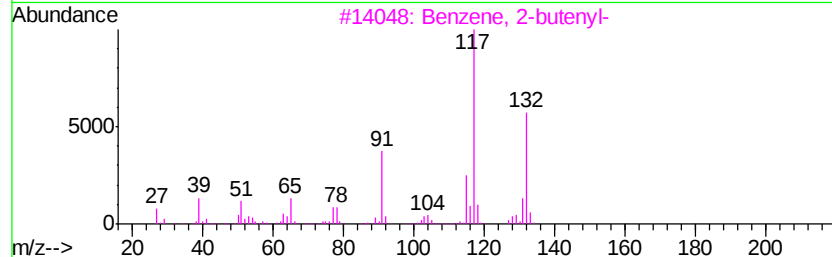
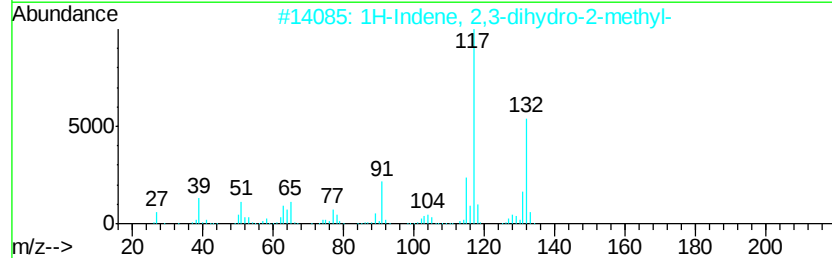
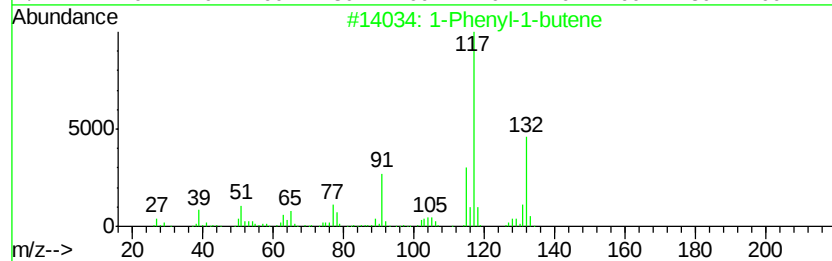
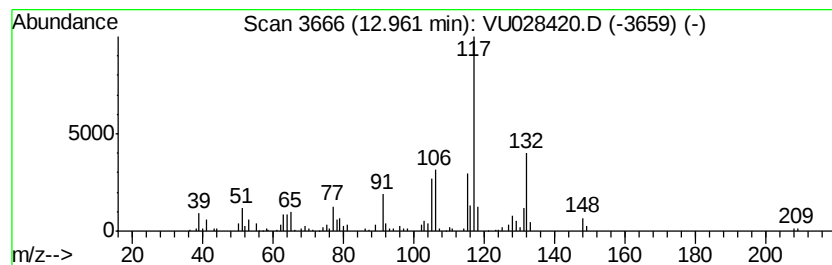
Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

Peak Number 60 1-Phenyl-1-butene Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.82 ug/L	100597	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Phenyl-1-butene	132 C10H12	000824-90-8 96
2		1H-Indene, 2,3-dihydro-2-methyl-	132 C10H12	000824-63-5 95
3		Benzene, 2-butenyl-	132 C10H12	001560-06-1 94
4		Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4 93
5		Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9 92



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

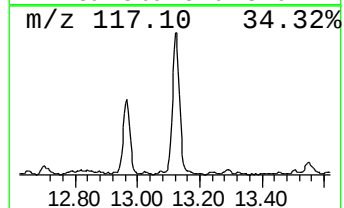
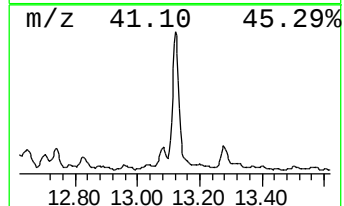
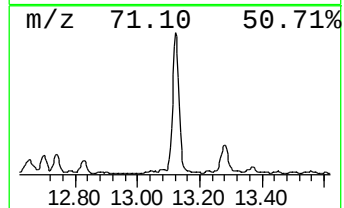
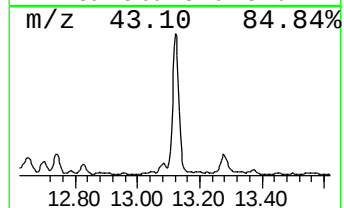
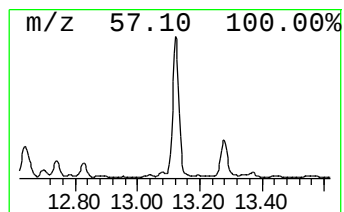
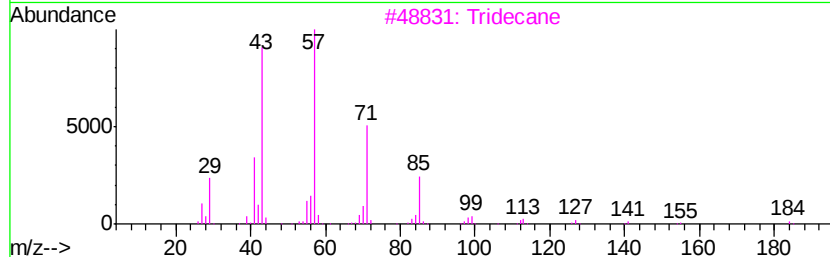
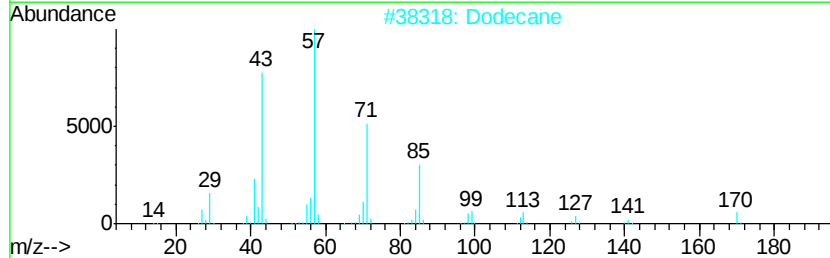
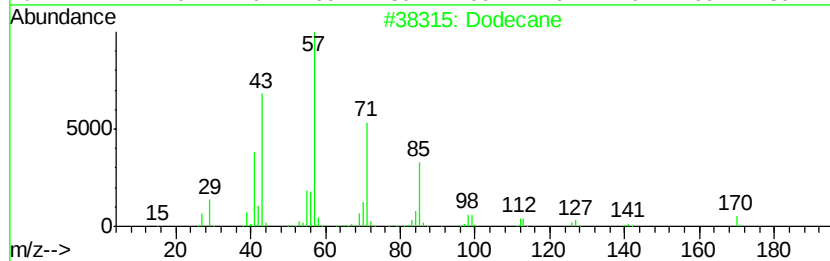
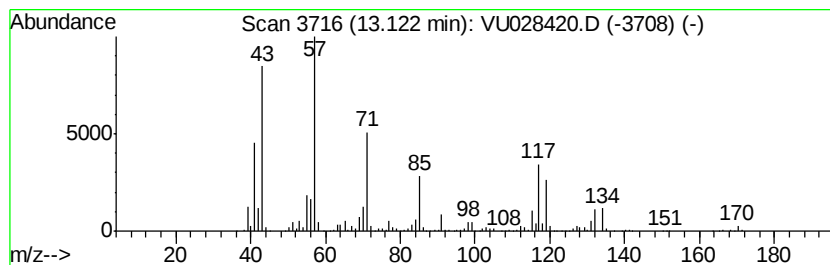
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Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	21.07 ug/L	751421	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	70
2		Dodecane	170	C12H26	000112-40-3	55
3		Tridecane	184	C13H28	000629-50-5	43
4		Tetradecane	198	C14H30	000629-59-4	43
5		Tridecane	184	C13H28	000629-50-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

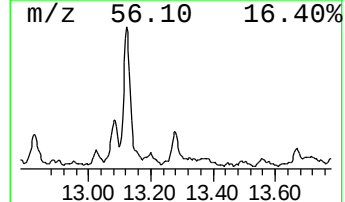
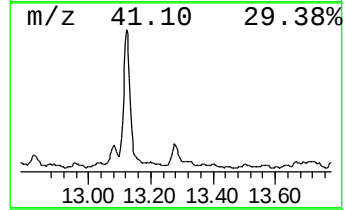
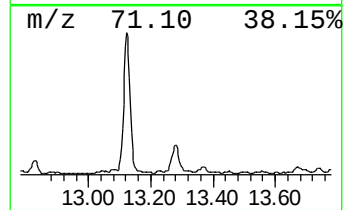
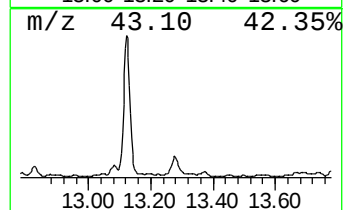
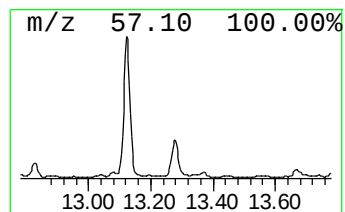
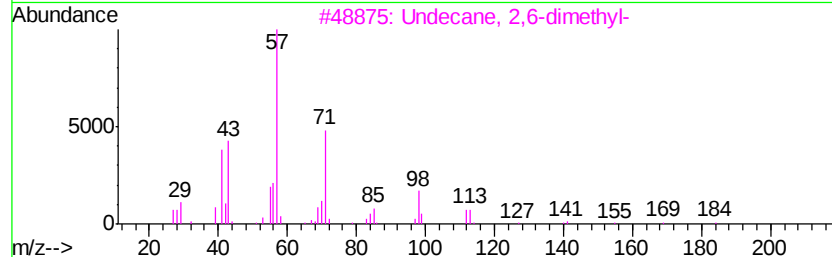
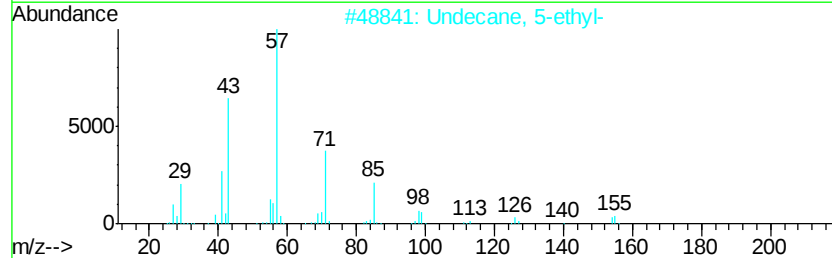
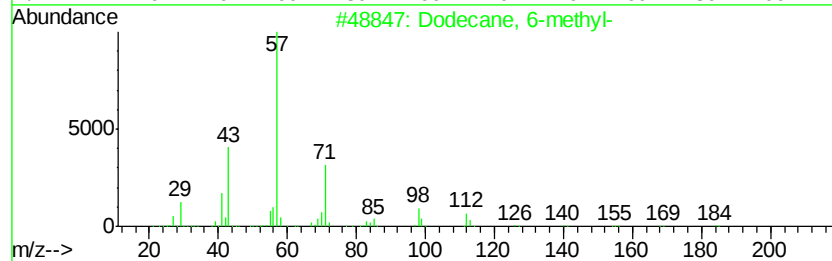
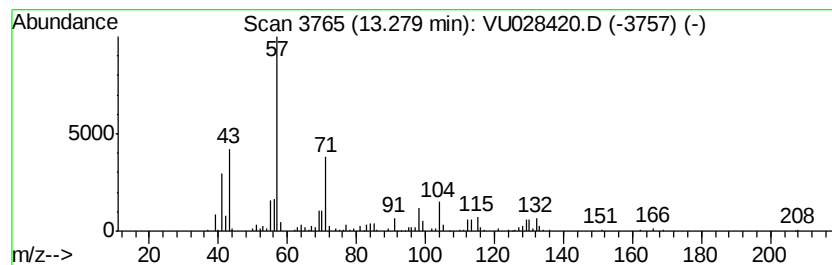
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Quant Title : VOC Analysis

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

Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	4.53 ug/L	161653	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 6-methyl-	184	C13H28	006044-71-9	59
2			Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	47
5			Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

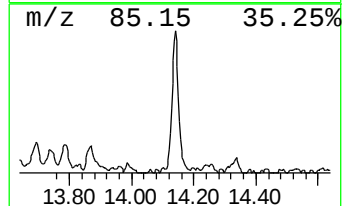
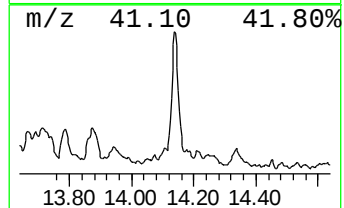
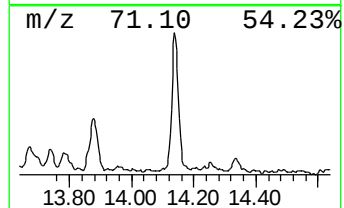
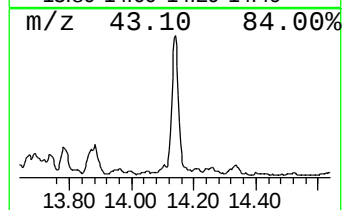
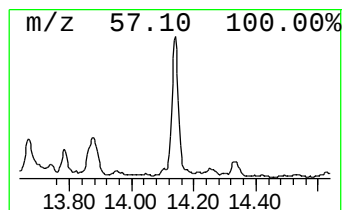
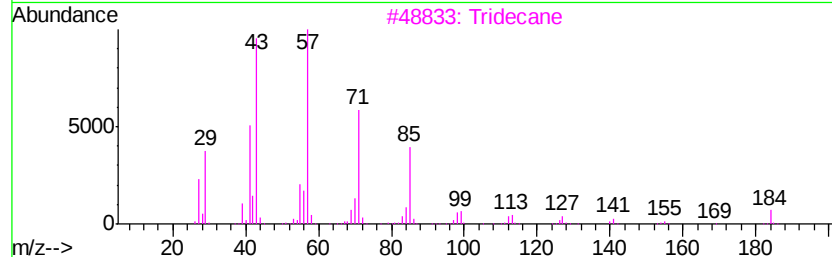
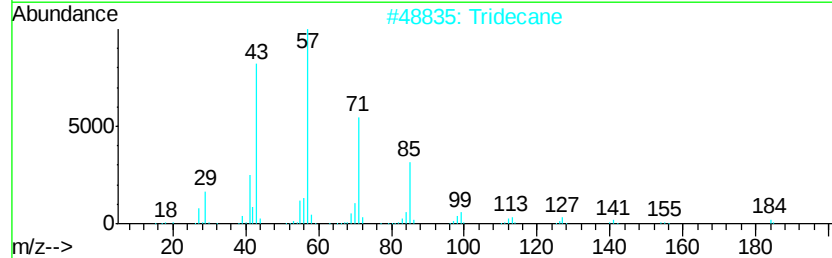
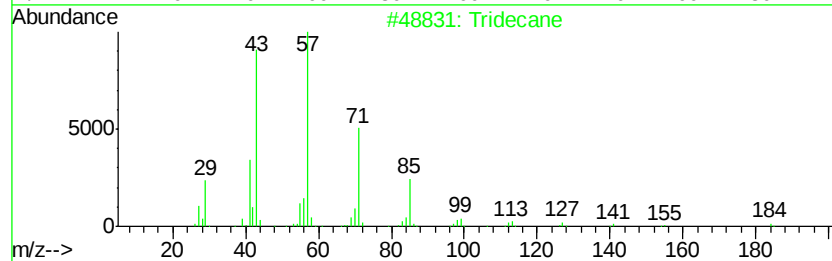
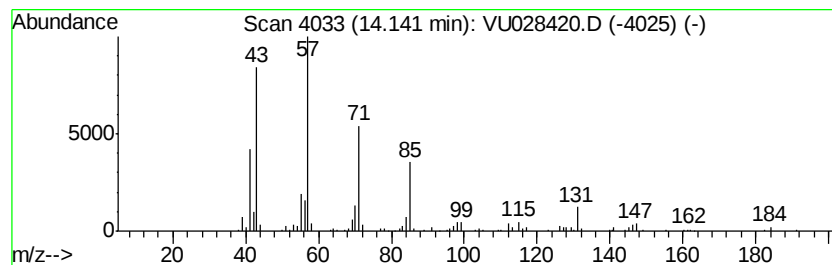
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Quant Title : VOC Analysis

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

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	4.31 ug/L	153574	1,4-Dichlorobenzene-d4	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	87
2			Tridecane	184	C13H28	000629-50-5	81
3			Tridecane	184	C13H28	000629-50-5	72
4			Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
5			Dodecane, 2-methyl-	184	C13H28	001560-97-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028420.D
Acq On : 30 Nov 2018 13:59
Operator : MD/SY
Sample : J6077-06ME
Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

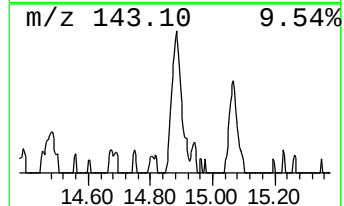
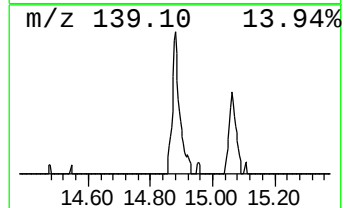
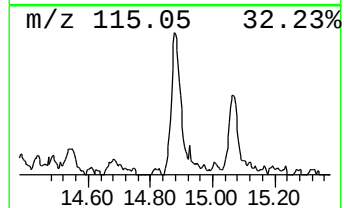
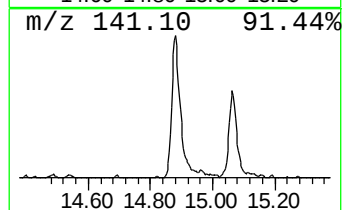
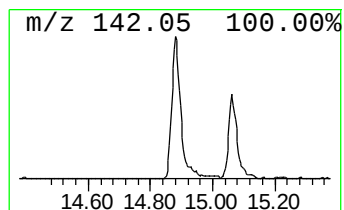
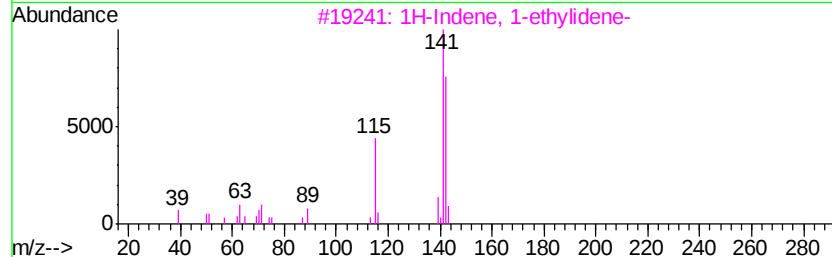
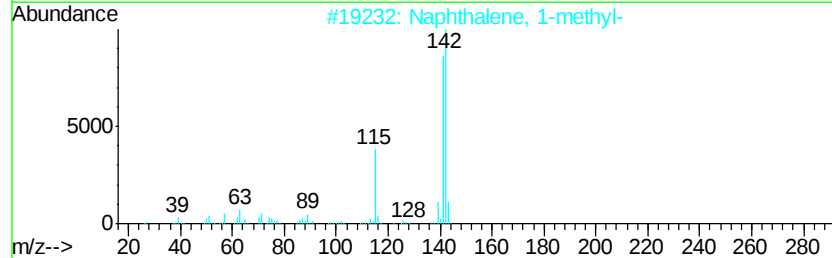
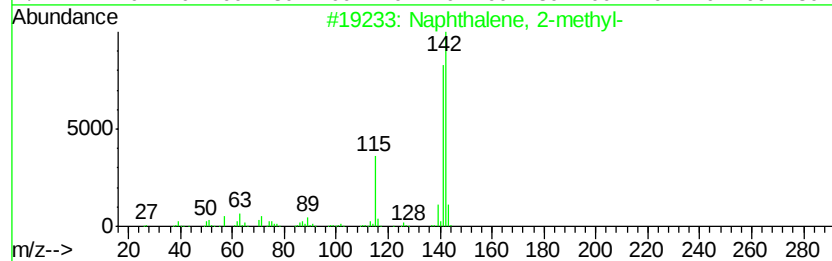
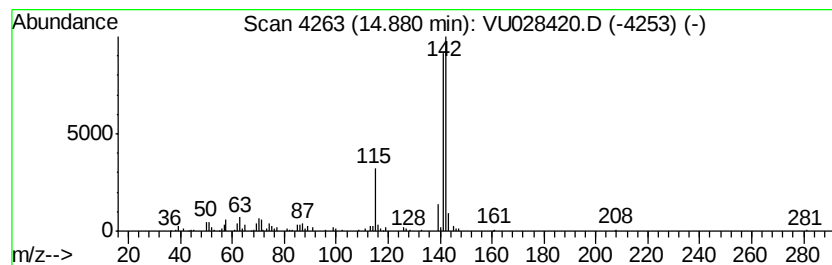
Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

Peak Number 65 Naphthalene, 1-methyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2.52 ug/L	89935	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 91
2		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 91
3		1H-Indene, 1-ethylidene-	142 C11H10	002471-83-2 91
4		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 91
5		Benzocycloheptatriene	142 C11H10	000264-09-5 91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
 Data File : VU028420.D
 Acq On : 30 Nov 2018 13:59
 Operator : MD/SY
 Sample : J6077-06ME
 Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y41ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.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...	1.69	5.5	ug/L	140485	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	1.84	3.9	ug/L	99413	1	5.88	1287840	50.0
(DEL) Alkane: Str...	1.88	18.4	ug/L	474977	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	2.00	2.7	ug/L	68694	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	2.14	3.4	ug/L	87724	1	5.88	1287840	50.0
(DEL) Alkane: Str...	2.71	10.4	ug/L	268217	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	2.76	3.3	ug/L	86071	1	5.88	1287840	50.0
(DEL) Alkane: Str...	2.97	6.3	ug/L	161616	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	3.18	9.6	ug/L	248016	1	5.88	1287840	50.0
(DEL) Alkane: Str...	3.28	25.1	ug/L	646028	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	3.53	2.7	ug/L	70006	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	4.07	13.8	ug/L	355300	1	5.88	1287840	50.0
Cyclopentene, 1-m...	4.77	5.5	ug/L	143043	1	5.88	1287840	50.0
(DEL) Alkane: Str...	5.05	5.3	ug/L	136145	1	5.88	1287840	50.0
(DEL) Alkane: Str...	5.21	10.7	ug/L	276504	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	5.47	5.2	ug/L	133856	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	5.61	8.2	ug/L	212095	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	5.66	8.8	ug/L	225565	1	5.88	1287840	50.0
(DEL) Alkane: Str...	5.77	34.0	ug/L	876764	1	5.88	1287840	50.0
1,3-Pentadiene, 2...	6.21	3.8	ug/L	98473	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	6.63	5.7	ug/L	146843	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	6.73	3.2	ug/L	83432	1	5.88	1287840	50.0
Cyclohexene, 4-me...	6.84	3.4	ug/L	88182	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	6.90	5.5	ug/L	141219	1	5.88	1287840	50.0
Cyclopentene, 1,5...	7.06	6.4	ug/L	164154	1	5.88	1287840	50.0
(DEL) Alkane: Str...	7.17	11.7	ug/L	302345	1	5.88	1287840	50.0
unknown-01	7.22	21.1	ug/L	543925	1	5.88	1287840	50.0
(DEL) Alkane: Str...	7.34	4.8	ug/L	123857	1	5.88	1287840	50.0
Cyclohexene, 1-me...	7.42	7.1	ug/L	182427	1	5.88	1287840	50.0
(DEL) Alkane: Cyc...	7.72	8.0	ug/L	258978	2	9.09	1624610	50.0
(DEL) Alkane: Cyc...	7.91	5.6	ug/L	183149	2	9.09	1624610	50.0
(DEL) Alkane: Cyc...	8.49	3.1	ug/L	100868	2	9.09	1624610	50.0
(DEL) Alkane: Cyc...	8.54	4.9	ug/L	159864	2	9.09	1624610	50.0
(DEL) Alkane: Cyc...	8.60	4.7	ug/L	152790	2	9.09	1624610	50.0
unknown-02	8.75	4.8	ug/L	156555	2	9.09	1624610	50.0
(DEL) Alkane: Str...	8.91	5.0	ug/L	162204	2	9.09	1624610	50.0
(DEL) Alkane: Str...	9.03	6.8	ug/L	219668	2	9.09	1624610	50.0
(DEL) Alkane: Str...	9.44	29.4	ug/L	956334	2	9.09	1624610	50.0
(DEL) Alkane: Cyc...	9.56	3.3	ug/L	106062	2	9.09	1624610	50.0
(DEL) Alkane: Cyc...	9.71	4.8	ug/L	155594	2	9.09	1624610	50.0
(DEL) Alkane: Str...	9.95	8.8	ug/L	285406	2	9.09	1624610	50.0
(DEL) Alkane: Cyc...	10.04	5.5	ug/L	177819	2	9.09	1624610	50.0
(DEL) Alkane: Str...	10.32	5.1	ug/L	181010	3	11.48	1783410	50.0
(DEL) Alkane: Cyc...	10.76	11.0	ug/L	392040	3	11.48	1783410	50.0
Decane	10.81	25.6	ug/L	913582	3	11.48	1783410	50.0
Benzene, 1-ethyl-...	10.97	3.4	ug/L	120637	3	11.48	1783410	50.0
(DEL) Alkane: Str...	11.11	3.3	ug/L	117044	3	11.48	1783410	50.0
(DEL) Alkane: Cyc...	11.40	3.6	ug/L	130101	3	11.48	1783410	50.0
Benzene, 1,2,3-tr...	11.57	4.9	ug/L	174402	3	11.48	1783410	50.0

Benzene, 2-propenyl-	11.77	4.2 ug/L	150679	3	11.48	1783410	50.0
Benzene, (1-methy...	11.81	2.6 ug/L	92348	3	11.48	1783410	50.0
(DEL) Alkane: Cyc...	11.98	6.2 ug/L	219652	3	11.48	1783410	50.0
(DEL) Alkane: Str...	12.02	24.3 ug/L	865258	3	11.48	1783410	50.0
o-Cymene	12.25	3.2 ug/L	113655	3	11.48	1783410	50.0
Indan, 1-methyl-	12.36	4.6 ug/L	165053	3	11.48	1783410	50.0
(DEL) Alkane: Cyc...	12.61	3.1 ug/L	111776	3	11.48	1783410	50.0
Benzene, 1,2,4,5-...	12.70	3.5 ug/L	126004	3	11.48	1783410	50.0
1-Phenyl-1-butene	12.96	2.8 ug/L	100597	3	11.48	1783410	50.0
(DEL) Alkane: Str...	13.12	21.1 ug/L	751421	3	11.48	1783410	50.0
(DEL) Alkane: Str...	13.28	4.5 ug/L	161653	3	11.48	1783410	50.0
(DEL) Alkane: Str...	14.14	4.3 ug/L	153574	3	11.48	1783410	50.0
Naphthalene, 1-me...	14.88	2.5 ug/L	89935	3	11.48	1783410	50.0

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