

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034357.D
 Acq On : 07 Sep 2019 02:13
 Operator : JC/SP
 Sample : K4725-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0269

Integration Parameters: RTEINT.P

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

Filtering: 5
 Min Area: 3 % 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\82U090619W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.399	87	96	104	rBV	188996	190412	2.42%	0.187%
2	1.752	195	206	222	rBV	2916186	3792489	48.23%	3.727%
3	1.939	254	264	287	rVB	1663463	2249414	28.61%	2.211%
4	2.177	329	338	360	rVB	69363	107907	1.37%	0.106%
5	2.293	360	374	400	rVB	602288	1119100	14.23%	1.100%
6	2.695	463	499	503	rBV	766809	1494914	19.01%	1.469%
7	2.730	504	510	517	rVV	1545800	2889275	36.74%	2.839%
8	2.778	517	525	550	rVB	2868158	5459989	69.44%	5.366%
9	2.981	569	588	612	rBV	2238725	4713893	59.95%	4.632%
10	3.286	670	683	707	rVB2	41053	90227	1.15%	0.089%
11	3.537	746	761	778	rBV3	54479	128551	1.63%	0.126%
12	3.640	779	793	805	rBV2	46218	108781	1.38%	0.107%
13	3.833	828	853	878	rVB5	67433	264248	3.36%	0.260%
14	3.974	878	897	908	rBV2	74790	194887	2.48%	0.192%
15	4.071	908	927	948	rBV	2952564	7863426	100.00%	7.728%
16	4.711	1103	1126	1157	rBV2	122554	396113	5.04%	0.389%
17	4.862	1157	1173	1189	rBV	280961	655713	8.34%	0.644%
18	4.974	1189	1208	1224	rBV2	2726265	6658975	84.68%	6.544%
19	5.061	1224	1235	1261	rVB	358898	882008	11.22%	0.867%
20	5.202	1263	1279	1284	rBV3	221063	505855	6.43%	0.497%
21	5.286	1298	1305	1319	rVB	272430	553601	7.04%	0.544%
22	5.370	1320	1331	1345	rVV	176633	368480	4.69%	0.362%
23	5.460	1345	1359	1371	rVV2	457609	1058625	13.46%	1.040%
24	5.534	1372	1382	1392	rVV2	368401	812256	10.33%	0.798%
25	5.604	1392	1404	1431	rVB	590162	1322125	16.81%	1.299%
26	5.865	1470	1485	1499	rBV	461529	937581	11.92%	0.921%
27	6.395	1626	1650	1666	rBV	3388443	7406241	94.19%	7.278%
28	6.620	1707	1720	1735	rVV	324970	620080	7.89%	0.609%
29	6.717	1736	1750	1766	rVB3	114103	248135	3.16%	0.244%
30	6.884	1790	1802	1825	rVB5	107237	238874	3.04%	0.235%
31	7.048	1825	1853	1859	rBV2	47077	105551	1.34%	0.104%
32	7.238	1891	1912	1920	rBV2	80008	170664	2.17%	0.168%
33	7.421	1958	1969	1982	rVB4	39204	85908	1.09%	0.084%
34	7.511	1982	1997	1999	rBV2	381209	575021	7.31%	0.565%

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35	7.543	2000	2007	2025	rVB	1235113	2190376	27.86%	2.153%
36	7.688	2040	2052	2066	rBV2	190420	447049	5.69%	0.439%
37	7.755	2067	2073	2087	rVB2	101472	173831	2.21%	0.171%
38	7.897	2105	2117	2138	rVB	414193	748980	9.52%	0.736%
39	8.025	2140	2157	2168	rBV2	192129	362176	4.61%	0.356%
40	8.469	2277	2295	2303	rBV3	123844	231635	2.95%	0.228%
41	8.524	2303	2312	2322	rVV	354811	586433	7.46%	0.576%
42	8.585	2322	2331	2341	rVB	153907	255528	3.25%	0.251%
43	9.070	2470	2482	2500	rBV	686881	1170666	14.89%	1.150%
44	9.167	2501	2512	2523	rVV	236768	418942	5.33%	0.412%
45	9.344	2554	2567	2587	rBV6	119930	323440	4.11%	0.318%
46	9.707	2658	2680	2683	rBV4	48899	126779	1.61%	0.125%
47	9.932	2723	2750	2764	rBV4	108375	237814	3.02%	0.234%
48	10.025	2766	2779	2790	rBV9	57924	124369	1.58%	0.122%
49	10.144	2805	2816	2847	rVB	667439	1068625	13.59%	1.050%
50	10.286	2847	2860	2874	rBV	838825	1393079	17.72%	1.369%
51	10.566	2936	2947	2962	rBV	540736	872432	11.09%	0.857%
52	10.951	3058	3067	3088	rBV3	122784	285679	3.63%	0.281%
53	11.077	3088	3106	3116	rVB3	62912	163342	2.08%	0.161%
54	11.270	3146	3166	3168	rBV2	82010	142289	1.81%	0.140%
55	11.302	3169	3176	3193	rVB	315480	522685	6.65%	0.514%
56	11.463	3214	3226	3240	rBV	966244	1553681	19.76%	1.527%
57	11.549	3241	3253	3277	rVB	3271111	4982756	63.37%	4.897%
58	11.665	3278	3289	3300	rBV	157347	255396	3.25%	0.251%
59	11.742	3300	3313	3331	rVV2	3819434	6607288	84.03%	6.493%
60	11.842	3335	3344	3367	rVB2	262314	599859	7.63%	0.589%
61	11.958	3369	3380	3392	rBV	325105	505597	6.43%	0.497%
62	12.032	3392	3403	3419	rBV	691882	1071275	13.62%	1.053%
63	12.228	3443	3464	3471	rBV	1108146	1820604	23.15%	1.789%
64	12.263	3471	3475	3486	rVV	594657	844684	10.74%	0.830%
65	12.331	3486	3496	3517	rVV2	1208962	2483842	31.59%	2.441%
66	12.530	3545	3558	3570	rVB3	519902	956132	12.16%	0.940%
67	12.630	3570	3589	3601	rBV	704876	1161322	14.77%	1.141%
68	12.768	3620	3632	3648	rBV2	135282	222383	2.83%	0.219%
69	12.858	3651	3660	3666	rBV2	65382	105110	1.34%	0.103%
70	12.906	3666	3675	3679	rBV3	119043	188517	2.40%	0.185%
71	12.942	3679	3686	3695	rVB	459010	661274	8.41%	0.650%

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72	13.099	3713	3735	3747	rBV3	2581633	4236741	53.88%	4.164%
73	13.266	3777	3787	3805	rVB	773095	1261593	16.04%	1.240%
74	13.389	3815	3825	3832	rBV2	71781	129369	1.65%	0.127%
75	13.437	3832	3840	3847	rVV2	145978	251202	3.19%	0.247%
76	13.488	3847	3856	3864	rVV3	302908	500866	6.37%	0.492%
77	13.556	3864	3877	3882	rVV4	172018	382874	4.87%	0.376%
78	13.588	3882	3887	3911	rVB2	255055	538165	6.84%	0.529%
79	13.720	3915	3928	3938	rBV	508424	908028	11.55%	0.892%
80	13.765	3938	3942	3954	rVB	103664	152745	1.94%	0.150%
81	13.836	3954	3964	3978	rVB	130840	213842	2.72%	0.210%
82	13.932	3978	3994	4005	rBV2	193930	407700	5.18%	0.401%
83	13.993	4006	4013	4023	rVB2	84352	133613	1.70%	0.131%
84	14.135	4045	4057	4061	rBV	82689	138767	1.76%	0.136%
85	14.328	4103	4117	4137	rVB4	173584	428527	5.45%	0.421%
86	14.520	4167	4177	4190	rVB4	79821	151539	1.93%	0.149%
87	14.655	4208	4219	4236	rBV2	235093	423668	5.39%	0.416%
88	14.858	4270	4282	4292	rBV	317579	568503	7.23%	0.559%
89	15.041	4328	4339	4354	rBV	449951	795603	10.12%	0.782%

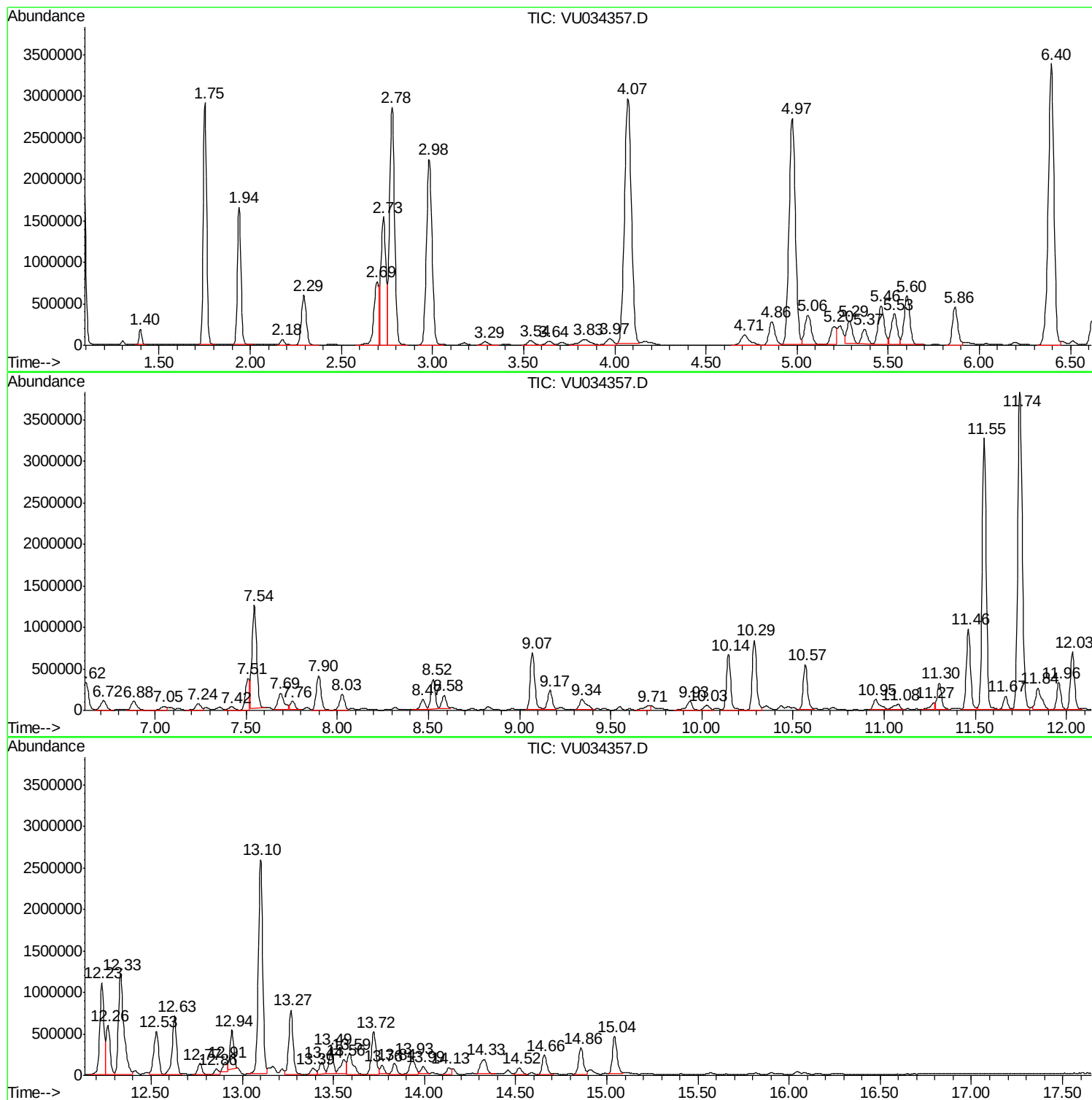
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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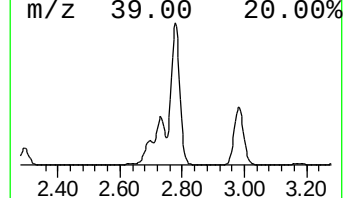
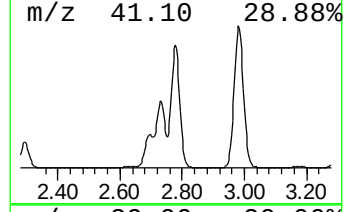
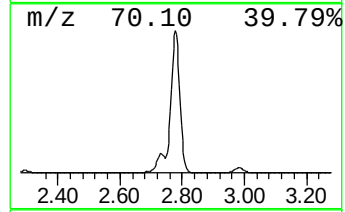
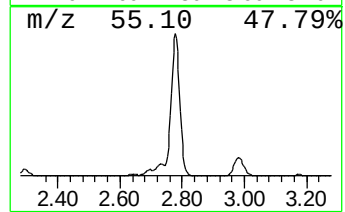
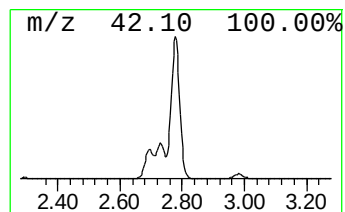
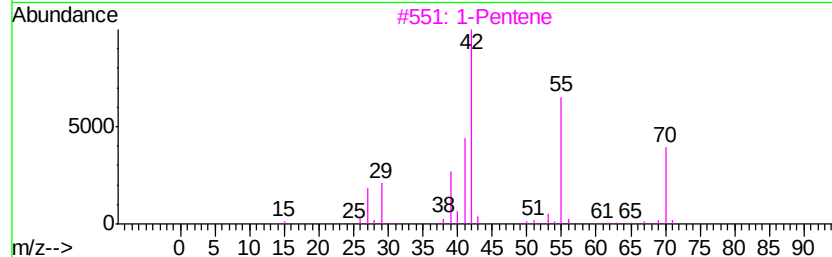
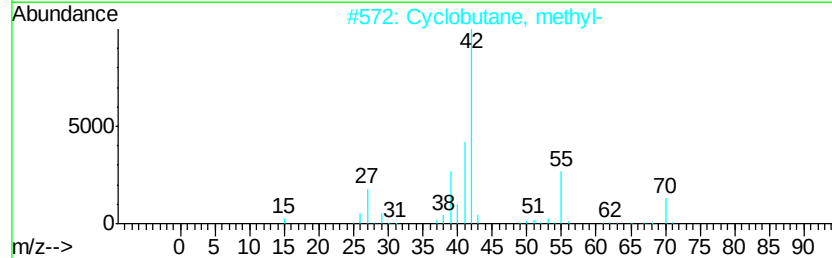
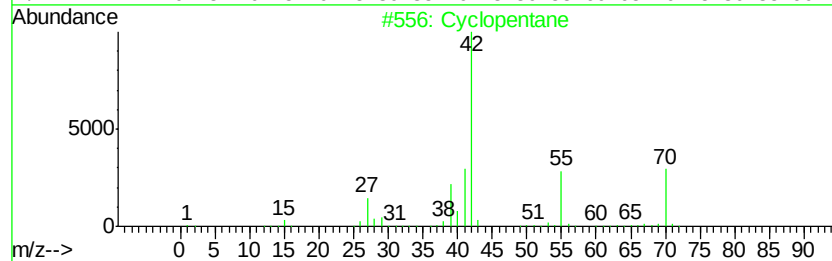
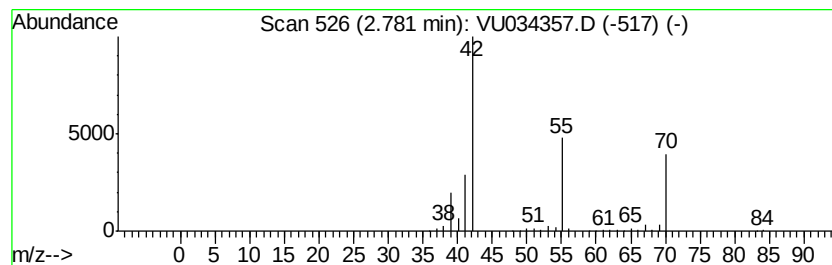
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclopentane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	41.00 ug/l	5459990	Pentafluorobenzene	4.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane	70	C5H10	000287-92-3	78
2		Cyclobutane, methyl-	70	C5H10	000598-61-8	64
3		1-Pentene	70	C5H10	000109-67-1	56
4		Carbonochloridic acid, pentyl ester	150	C6H11ClO2	000638-41-5	9
5		Methyl propargyl ether	70	C4H6O	000627-41-8	7



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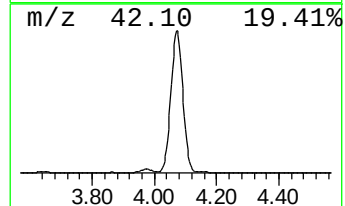
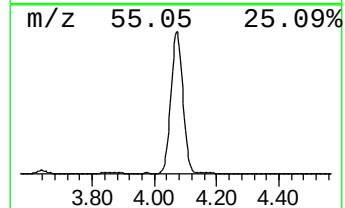
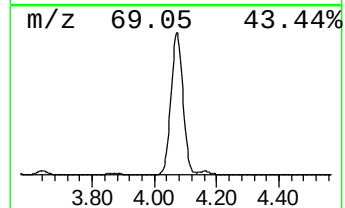
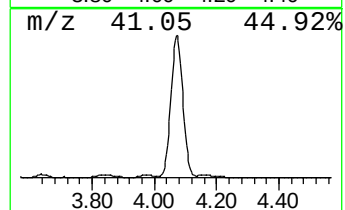
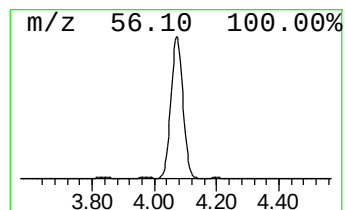
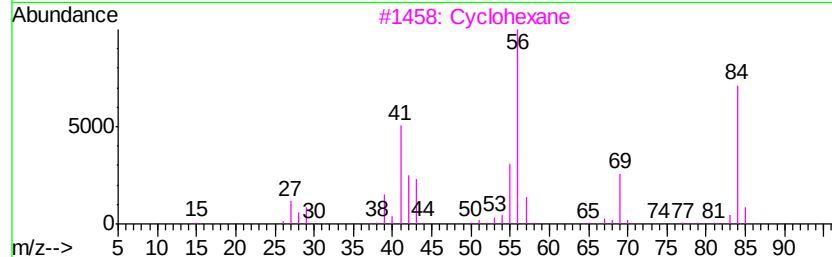
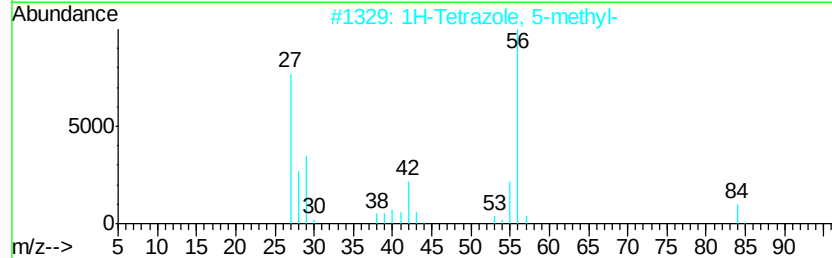
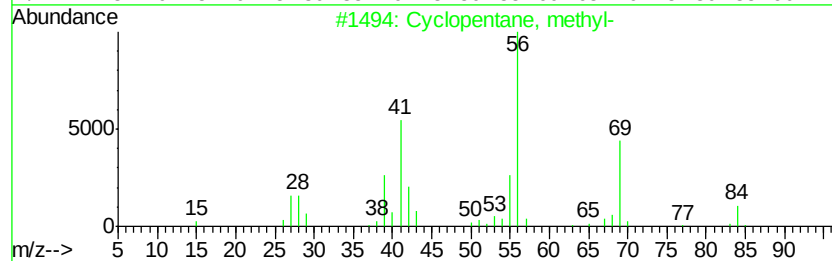
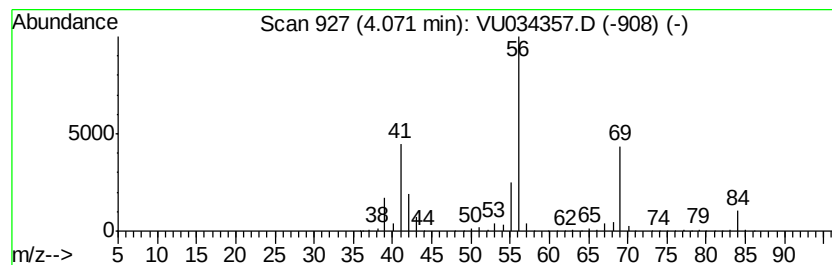
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	59.04 ug/l	7863430	Pentafluorobenzene	4.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
3		Cyclohexane	84	C6H12	000110-82-7	78
4		Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5		Cyclobutane, butyl-	112	C8H16	013152-44-8	50



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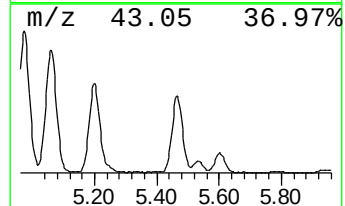
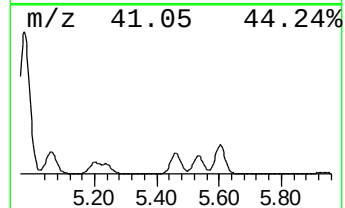
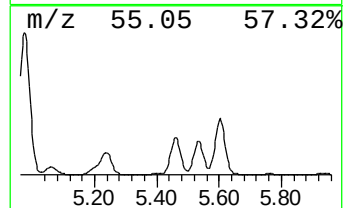
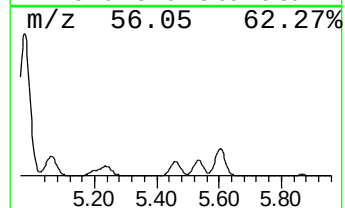
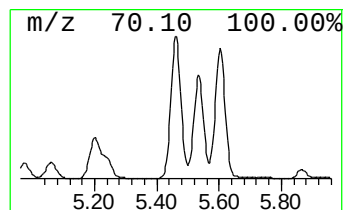
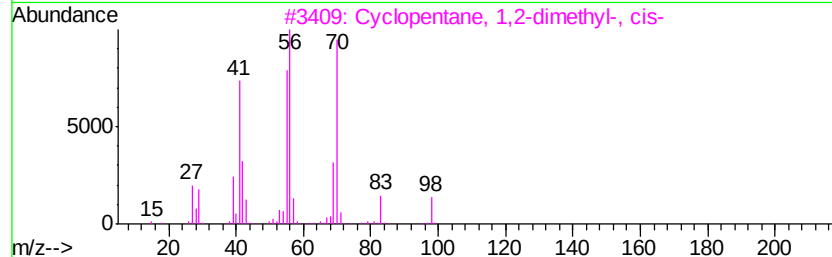
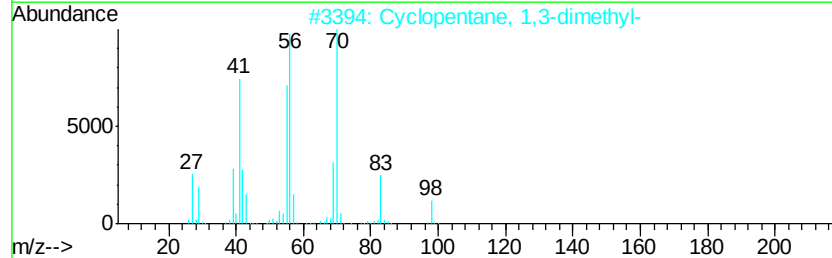
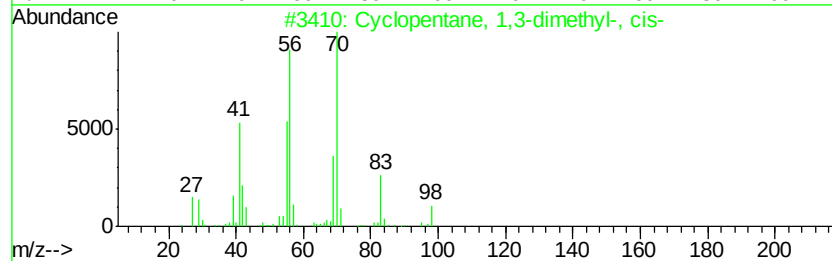
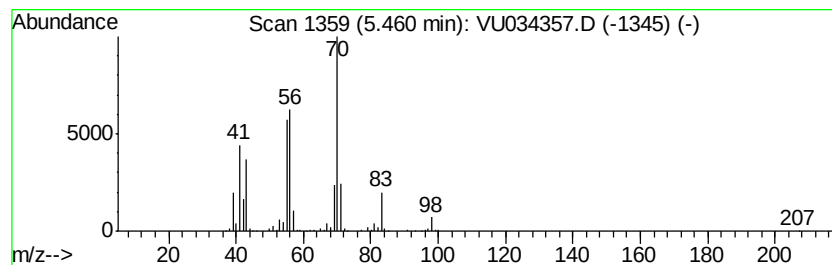
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclopentane, 1,3-dimethyl-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	56.46 ug/l	1058630	1,4-Difluorobenzene	5.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80
2		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	70
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
4		Formic acid, heptyl ester	144	C8H16O2	000112-23-2	59
5		Hexanal, 3-methyl-	114	C7H14O	019269-28-4	50



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S13-0269

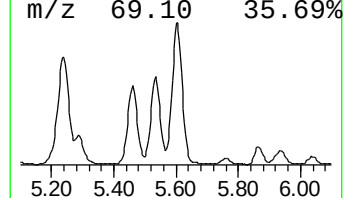
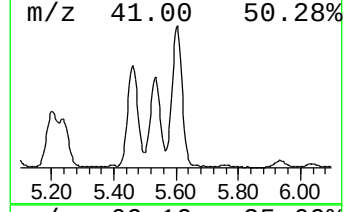
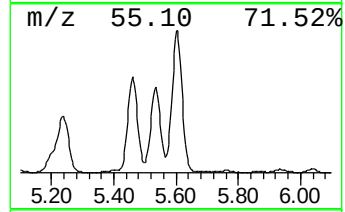
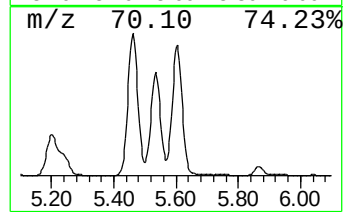
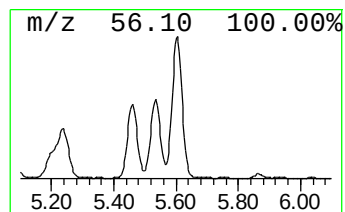
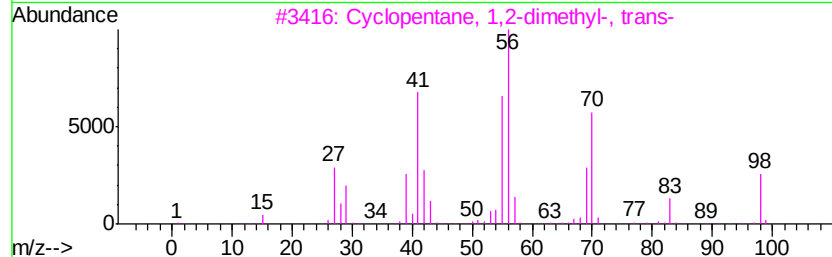
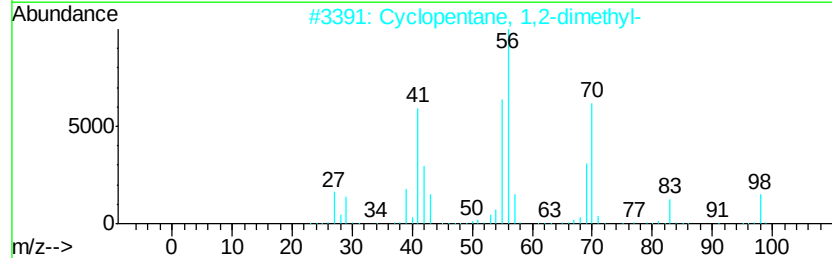
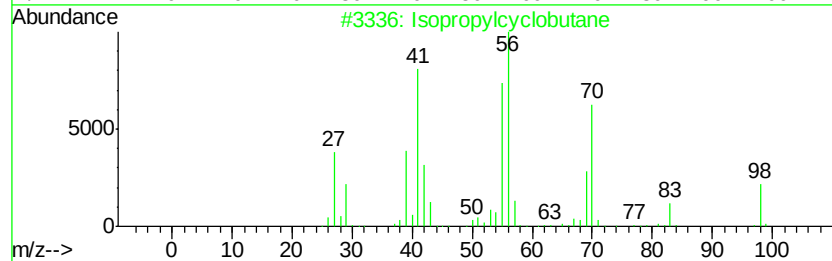
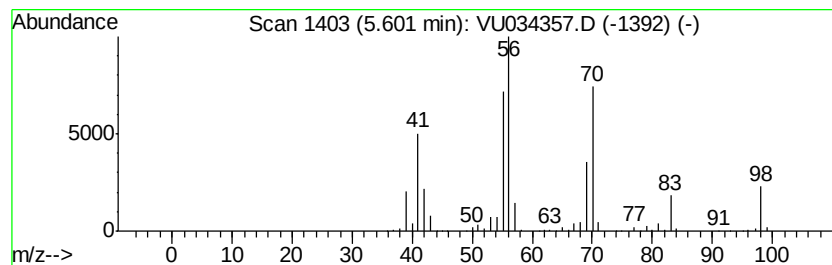
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Quant Title : SW846 8260

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

Peak Number 5 Isopropylcyclobutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	70.51 ug/l	1322130	1,4-Difluorobenzene	5.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropylcvclobutane	98	C7H14	000872-56-0	94
2		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	78
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034357.D
Acq On : 07 Sep 2019 02:13
Operator : JC/SP
Sample : K4725-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

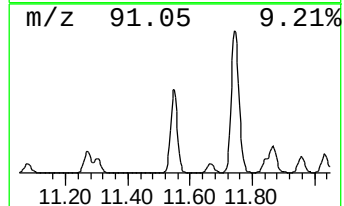
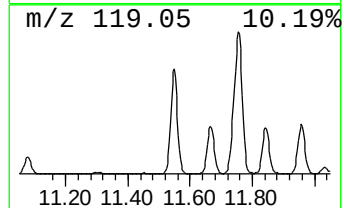
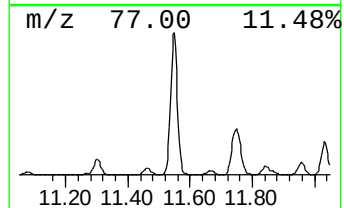
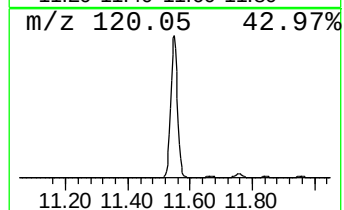
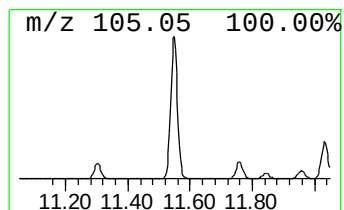
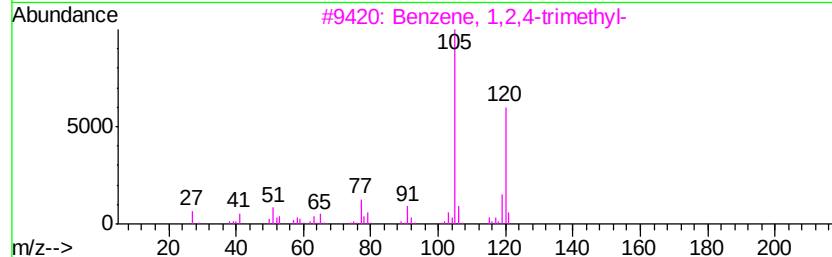
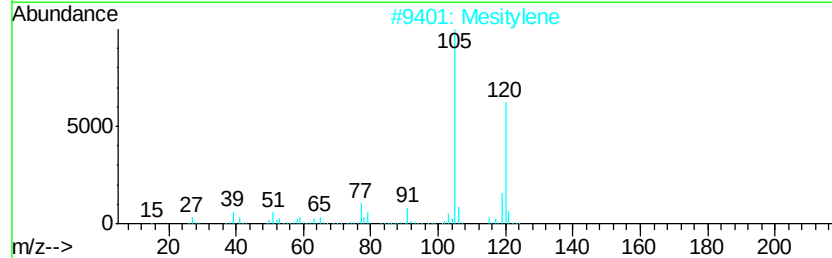
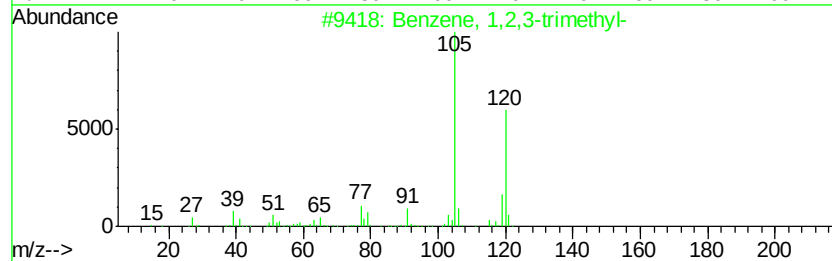
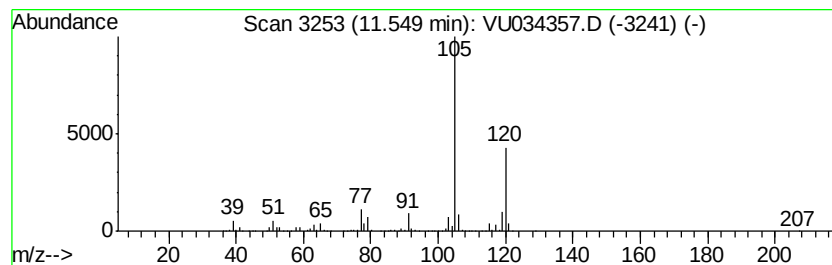
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	160.35 ug/l	4982760	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Mesitylene	120	C9H12	000108-67-8	94
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034357.D
Acq On : 07 Sep 2019 02:13
Operator : JC/SP
Sample : K4725-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

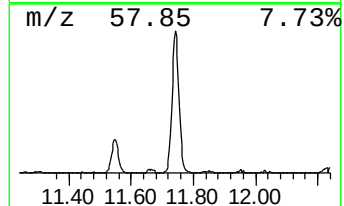
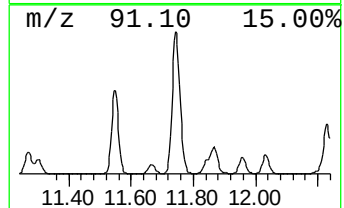
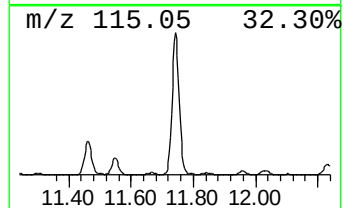
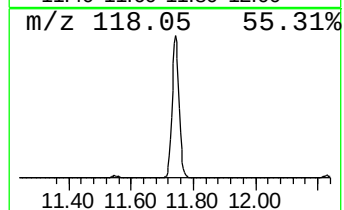
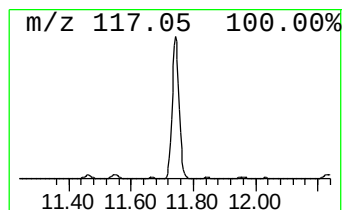
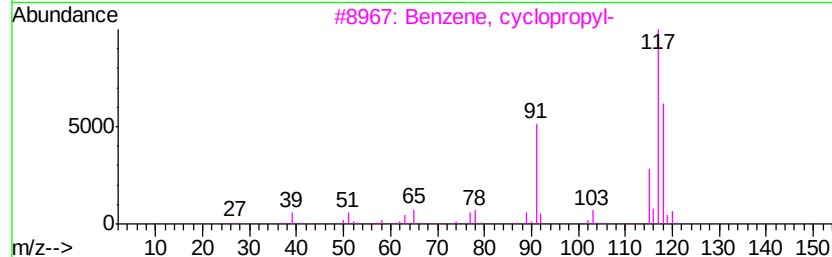
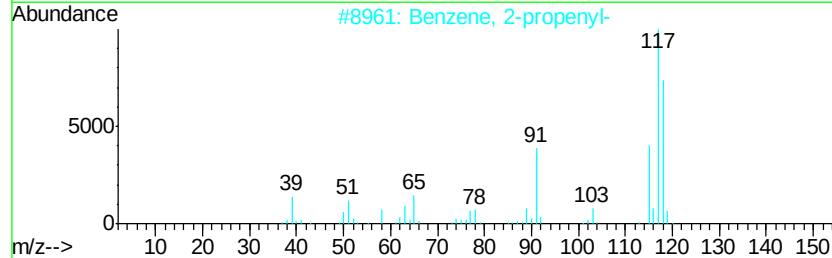
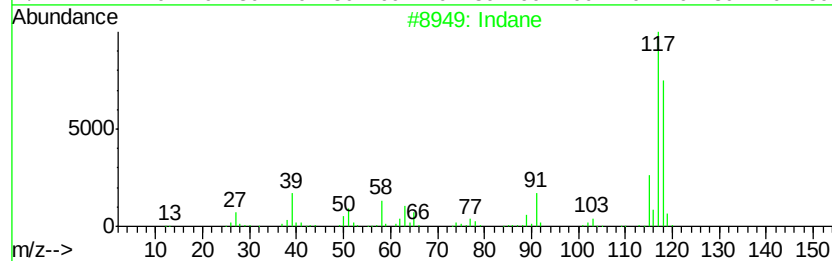
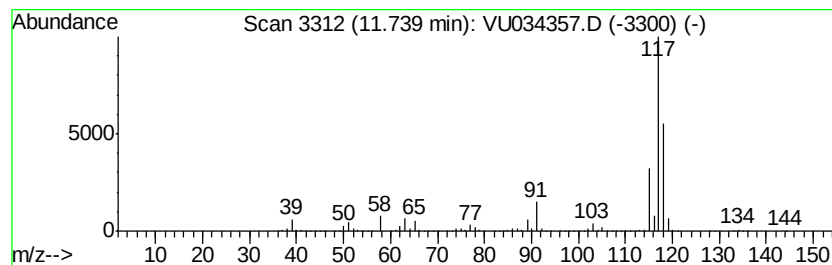
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Quant Title : SW846 8260

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

Peak Number 7 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	212.63 ug/l	6607290	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	91
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
4		Tetracyclo[3.3.1.0(2,8).0(4,6)]-	118	C9H10	1000191-13-7	80
5		Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034357.D
Acq On : 07 Sep 2019 02:13
Operator : JC/SP
Sample : K4725-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

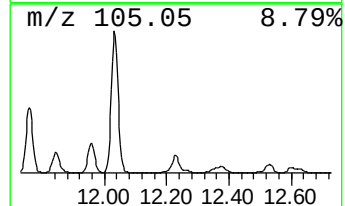
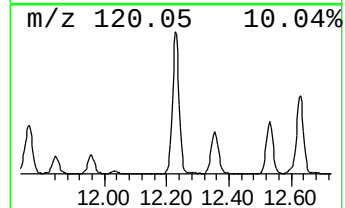
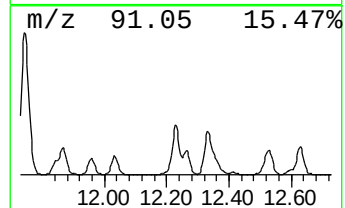
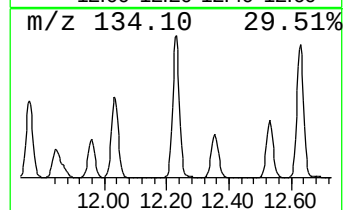
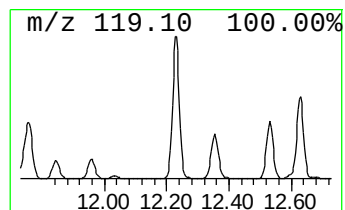
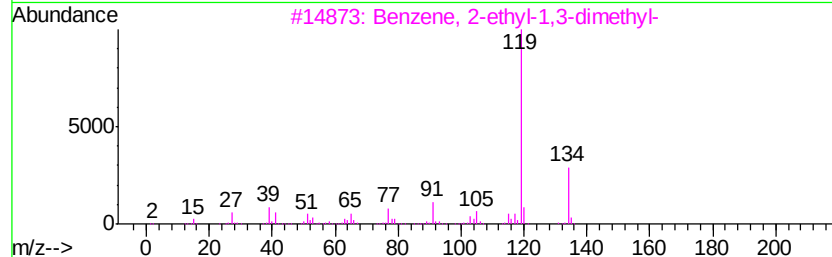
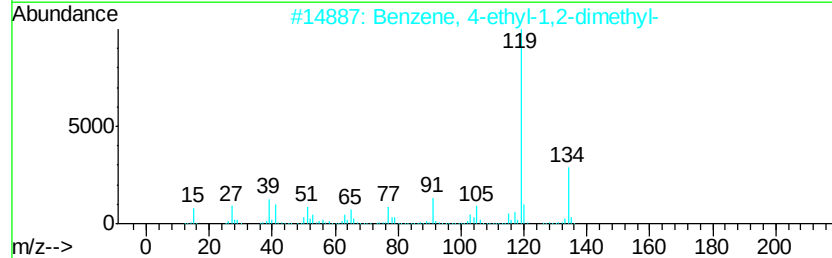
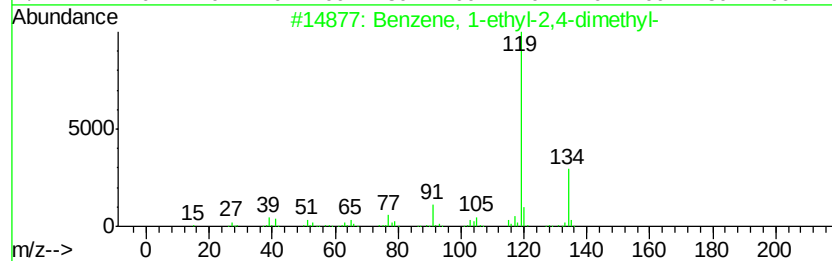
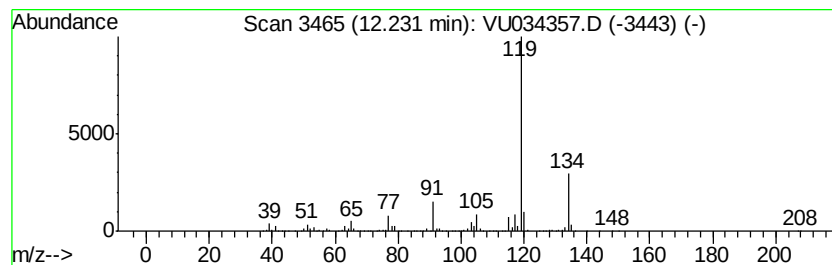
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	58.59 ug/l	1820600	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034357.D
Acq On : 07 Sep 2019 02:13
Operator : JC/SP
Sample : K4725-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

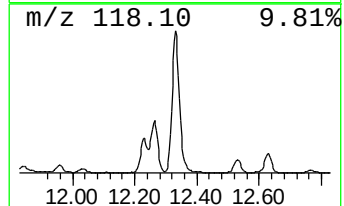
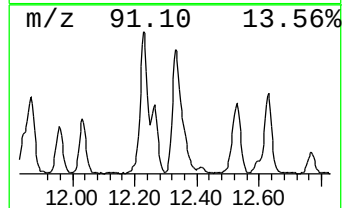
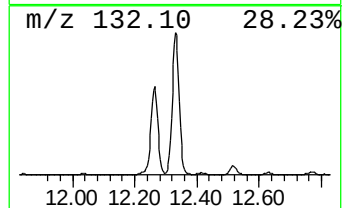
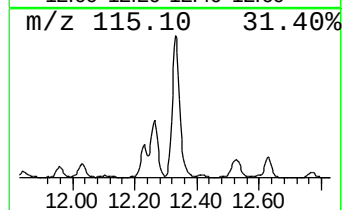
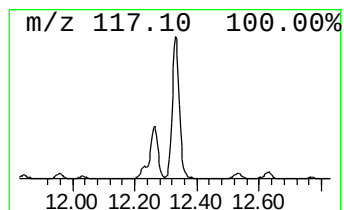
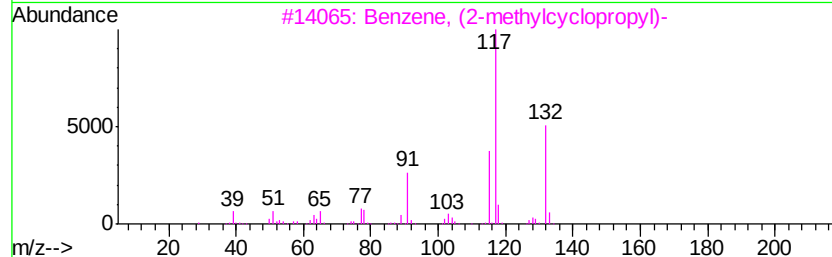
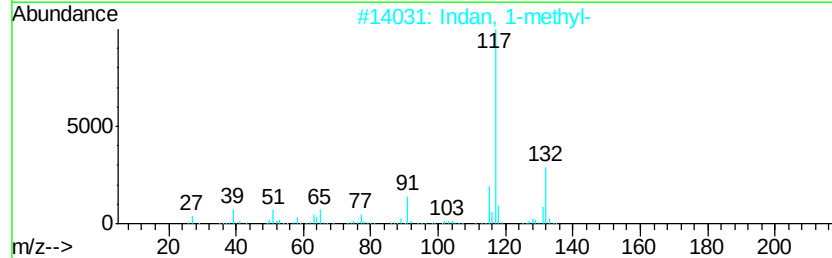
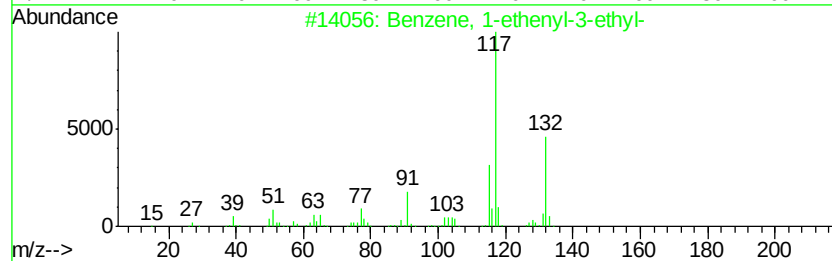
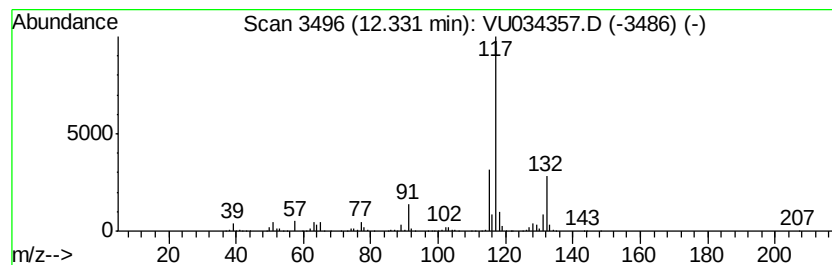
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	79.93 ug/l	2483840	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2		Indan, 1-methyl-	132	C10H12	000767-58-8	90
3		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034357.D
Acq On : 07 Sep 2019 02:13
Operator : JC/SP
Sample : K4725-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

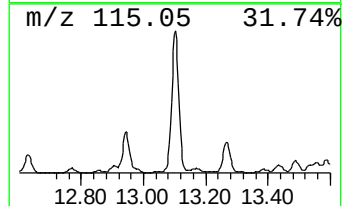
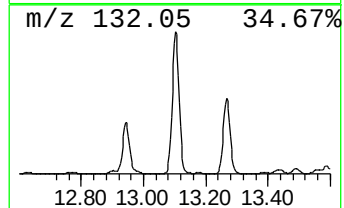
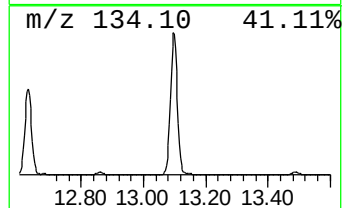
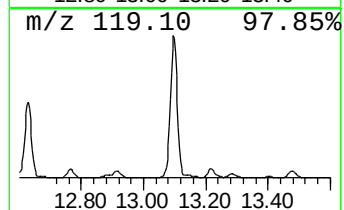
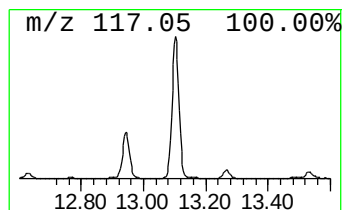
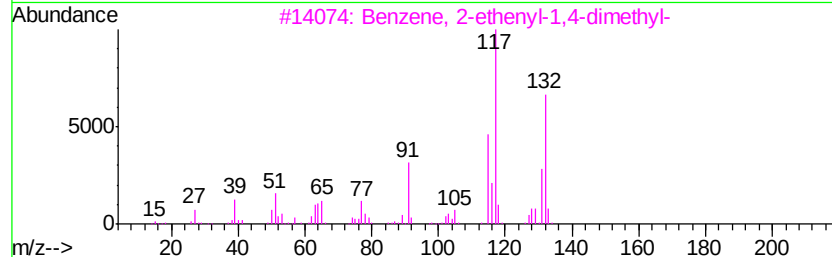
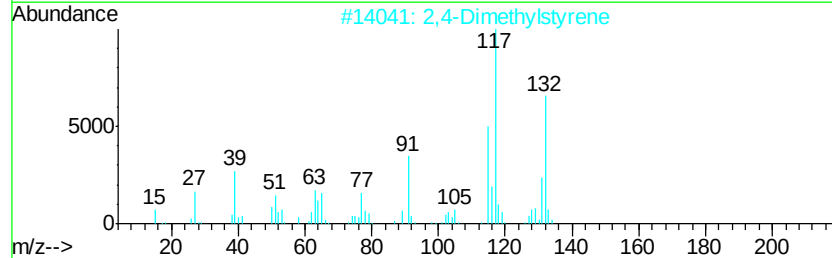
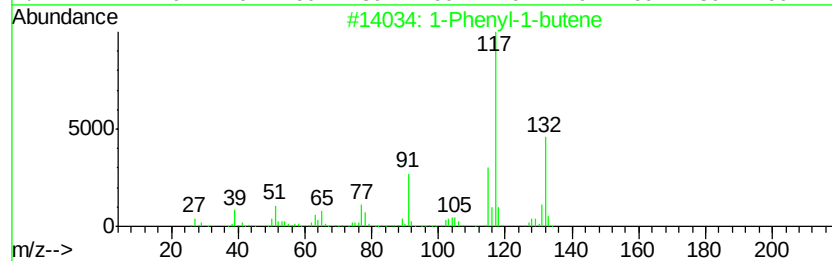
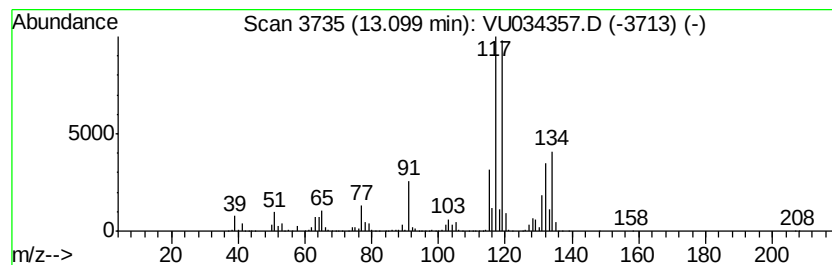
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

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

Peak Number 10 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	136.35 ug/l	4236740	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034357.D
Acq On : 07 Sep 2019 02:13
Operator : JC/SP
Sample : K4725-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Cyclopentane, met...	4.07	59.0	ug/l	7863430	1	4.96	6658980	50.0
Cyclopentane, 1,3...	5.46	56.5	ug/l	1058630	2	5.86	937581	50.0
Isopropylcyclobutane	5.60	70.5	ug/l	1322130	2	5.86	937581	50.0
Benzene, 1,2,3-tr...	11.55	160.3	ug/l	4982760	4	11.46	1553680	50.0
Indane	11.74	212.6	ug/l	6607290	4	11.46	1553680	50.0
Benzene, 1-ethyl-...	12.23	58.6	ug/l	1820600	4	11.46	1553680	50.0
Benzene, 1-etheny...	12.33	79.9	ug/l	2483840	4	11.46	1553680	50.0
1-Phenyl-1-butene	13.10	136.3	ug/l	4236740	4	11.46	1553680	50.0