

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025295.D
 Acq On : 10 Jul 2018 17:42
 Operator : MD/SY
 Sample : J3898-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

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\82U070918W.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	1.088	138	155	180	rBV	669438	803720	28.65%	2.198%
2	1.757	355	363	378	rVB2	47342	65625	2.34%	0.179%
3	2.307	522	534	550	rVB2	20225	39791	1.42%	0.109%
4	2.709	643	659	682	rBV	204976	432065	15.40%	1.181%
5	3.001	735	750	767	rVB3	24353	53999	1.92%	0.148%
6	3.863	999	1018	1035	rBV3	17527	48731	1.74%	0.133%
7	3.998	1038	1060	1086	rBV2	170272	473358	16.87%	1.294%
8	4.226	1109	1131	1153	rVB4	29752	90149	3.21%	0.246%
9	4.738	1271	1290	1310	rVB3	29795	81101	2.89%	0.222%
10	4.886	1320	1336	1353	rBV	179456	405294	14.45%	1.108%
11	4.989	1353	1368	1384	rVV	262377	591520	21.08%	1.617%
12	5.085	1384	1398	1419	rVB3	108595	268996	9.59%	0.736%
13	5.262	1434	1453	1461	rBV2	120487	289851	10.33%	0.793%
14	5.313	1461	1469	1490	rVB	187184	398924	14.22%	1.091%
15	5.542	1504	1540	1578	rBV	951676	2323988	82.83%	6.355%
16	5.889	1633	1648	1666	rBV	360857	714216	25.46%	1.953%
17	6.397	1789	1806	1820	rBV2	134975	290329	10.35%	0.794%
18	6.480	1820	1832	1844	rBV2	102946	193295	6.89%	0.529%
19	6.593	1855	1867	1894	rVB2	133966	284228	10.13%	0.777%
20	6.744	1897	1914	1929	rBV	134556	275440	9.82%	0.753%
21	6.931	1954	1972	1993	rBV	697697	1404827	50.07%	3.841%
22	7.053	1993	2010	2039	rVV	1311992	2652524	94.54%	7.253%
23	7.262	2060	2075	2084	rBV2	51718	109053	3.89%	0.298%
24	7.448	2114	2133	2143	rBV4	17790	39295	1.40%	0.107%
25	7.525	2143	2157	2161	rBV	101252	172952	6.16%	0.473%
26	7.567	2161	2170	2188	rVB	760267	1345805	47.97%	3.680%
27	7.715	2202	2216	2231	rBV	106498	225989	8.05%	0.618%
28	7.863	2250	2262	2271	rBV6	17582	34893	1.24%	0.095%
29	7.921	2271	2280	2289	rBV2	26357	45081	1.61%	0.123%
30	8.053	2301	2321	2331	rBV3	30437	61310	2.19%	0.168%
31	8.133	2331	2346	2366	rVB7	14288	43178	1.54%	0.118%
32	8.493	2444	2458	2468	rBV4	24075	48101	1.71%	0.132%
33	8.609	2483	2494	2503	rBV2	73151	129775	4.63%	0.355%
34	8.850	2559	2569	2581	rBV2	39836	69519	2.48%	0.190%

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35	9.094	2633	2645	2651	rBV	522370	923578	32.92%	2.525%
36	9.191	2667	2675	2686	rVB	71728	125538	4.47%	0.343%
37	9.368	2718	2730	2747	rBV4	63381	145515	5.19%	0.398%
38	9.448	2747	2755	2765	rBV	34184	55913	1.99%	0.153%
39	9.574	2780	2794	2806	rBV2	50019	85250	3.04%	0.233%
40	9.747	2827	2848	2859	rBV4	82187	240961	8.59%	0.659%
41	9.808	2860	2867	2878	rVB	27669	44790	1.60%	0.122%
42	9.924	2888	2903	2906	rBV3	66302	115199	4.11%	0.315%
43	9.956	2907	2913	2926	rVB	175493	287106	10.23%	0.785%
44	10.056	2932	2944	2958	rBV7	67389	141846	5.06%	0.388%
45	10.172	2971	2980	2987	rBV	60835	88017	3.14%	0.241%
46	10.226	2987	2997	3008	rVB7	40409	90822	3.24%	0.248%
47	10.310	3012	3023	3035	rBV	510407	812807	28.97%	2.222%
48	10.381	3035	3045	3053	rVV3	88948	141105	5.03%	0.386%
49	10.500	3073	3082	3093	rVB3	160349	256593	9.15%	0.702%
50	10.638	3116	3125	3136	rBV9	21594	56541	2.02%	0.155%
51	10.699	3136	3144	3156	rVB4	51218	105505	3.76%	0.288%
52	10.869	3188	3197	3208	rVB6	24260	48888	1.74%	0.134%
53	10.985	3219	3233	3249	rBV2	150926	273497	9.75%	0.748%
54	11.104	3250	3270	3279	rBV2	158321	266500	9.50%	0.729%
55	11.294	3311	3329	3335	rBV	335650	598040	21.31%	1.635%
56	11.326	3335	3339	3354	rVB	245549	355973	12.69%	0.973%
57	11.406	3357	3364	3377	rVB6	16311	38923	1.39%	0.106%
58	11.487	3378	3389	3404	rBV	601461	994274	35.44%	2.719%
59	11.622	3419	3431	3441	rBV4	22270	55489	1.98%	0.152%
60	11.692	3442	3453	3468	rVB	501158	794367	28.31%	2.172%
61	11.782	3468	3481	3494	rBV3	454301	762826	27.19%	2.086%
62	11.863	3495	3506	3528	rVB2	188554	385002	13.72%	1.053%
63	11.988	3531	3545	3557	rBV4	39428	82991	2.96%	0.227%
64	12.255	3615	3628	3634	rVV	1518903	2332649	83.14%	6.378%
65	12.290	3634	3639	3650	rVV	673914	1040400	37.08%	2.845%
66	12.361	3650	3661	3679	rVV3	1212726	2805772	100.00%	7.672%
67	12.438	3679	3685	3695	rVB	109217	165710	5.91%	0.453%
68	12.503	3695	3705	3707	rBV	60903	81989	2.92%	0.224%
69	12.541	3708	3717	3731	rVB	479128	767971	27.37%	2.100%
70	12.654	3731	3752	3764	rBV2	738974	1369549	48.81%	3.745%
71	12.725	3765	3774	3784	rVB	50137	79178	2.82%	0.216%

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72	12.792	3784	3795	3812	rVB3	153054	248133	8.84%	0.678%
73	12.882	3812	3823	3830	rBV	141456	216338	7.71%	0.592%
74	12.927	3830	3837	3844	rVB	130023	171643	6.12%	0.469%
75	12.969	3844	3850	3854	rBV	43729	52450	1.87%	0.143%
76	13.001	3854	3860	3871	rVB2	105198	156420	5.57%	0.428%
77	13.123	3871	3898	3909	rBV3	1249890	2103493	74.97%	5.752%
78	13.194	3915	3920	3928	rVB5	52915	83581	2.98%	0.229%
79	13.242	3928	3935	3946	rVV	57584	116145	4.14%	0.318%
80	13.297	3947	3952	3971	rVB6	42967	81227	2.89%	0.222%
81	13.413	3979	3988	3993	rBV3	28353	43670	1.56%	0.119%
82	13.458	3994	4002	4010	rVV2	62843	109874	3.92%	0.300%
83	13.512	4010	4019	4027	rVV2	223052	347219	12.38%	0.949%
84	13.580	4027	4040	4045	rVV3	115978	277112	9.88%	0.758%
85	13.612	4045	4050	4075	rVB2	152146	292788	10.44%	0.801%
86	13.734	4075	4088	4097	rBV3	52854	95940	3.42%	0.262%
87	13.789	4098	4105	4116	rVB3	39378	63699	2.27%	0.174%
88	13.860	4116	4127	4139	rVV2	41449	68392	2.44%	0.187%
89	13.956	4139	4157	4168	rVV5	46313	103171	3.68%	0.282%
90	14.017	4168	4176	4186	rVV3	27618	51198	1.82%	0.140%
91	14.155	4206	4219	4222	rBV5	17753	28756	1.02%	0.079%
92	14.181	4223	4227	4236	rVB4	22548	31757	1.13%	0.087%
93	14.339	4265	4276	4290	rBV6	35423	85998	3.07%	0.235%
94	14.679	4372	4382	4401	rBV3	45243	86838	3.09%	0.237%
95	15.065	4492	4502	4518	rBV3	71643	132129	4.71%	0.361%

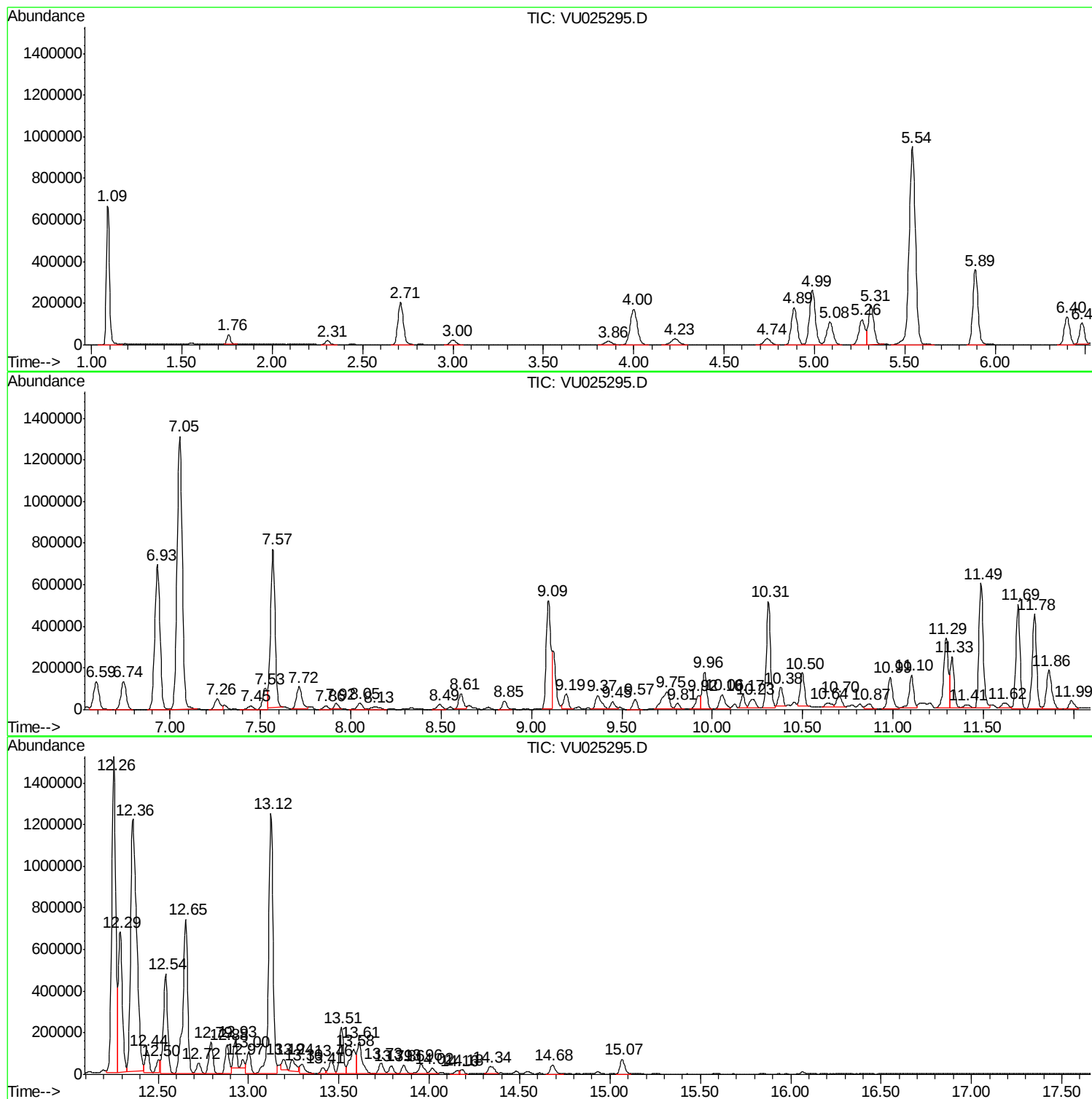
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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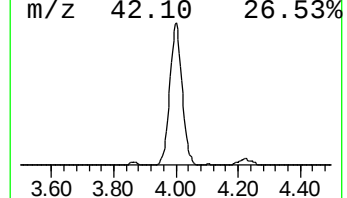
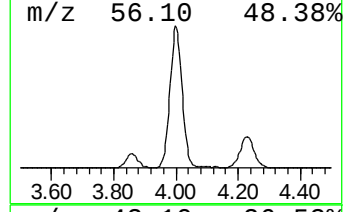
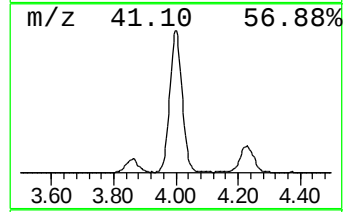
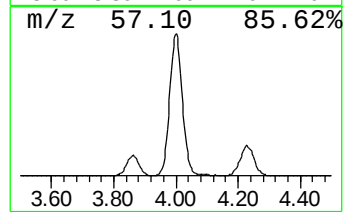
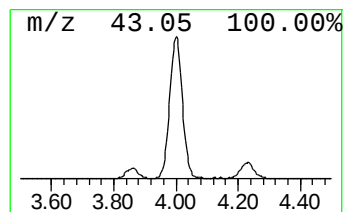
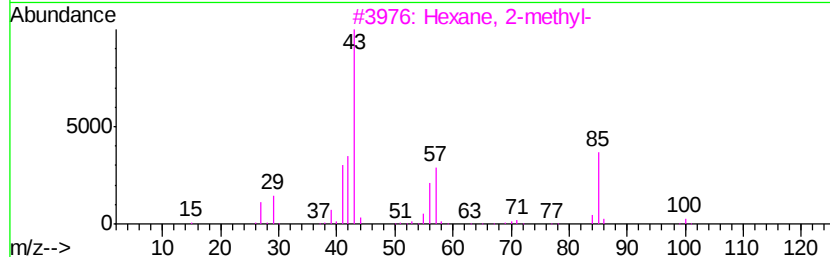
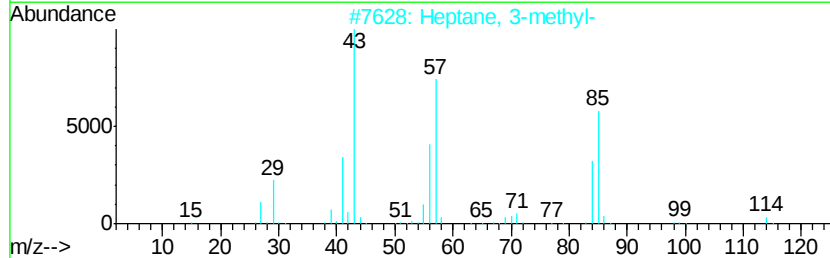
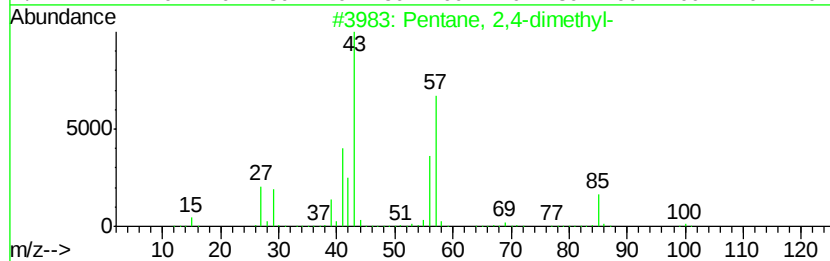
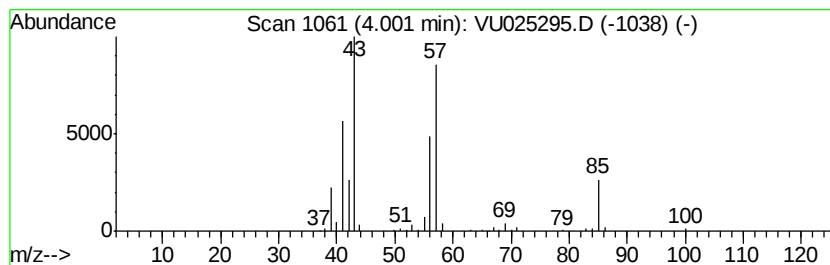
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	40.01 ug/l	473358	Pentafluorobenzene	4.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2		Heptane, 3-methyl-	114	C8H18	000589-81-1	72
3		Hexane, 2-methyl-	100	C7H16	000591-76-4	72
4		Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59



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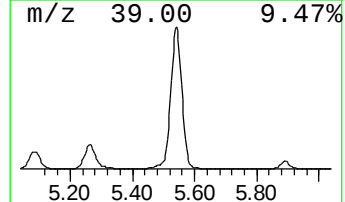
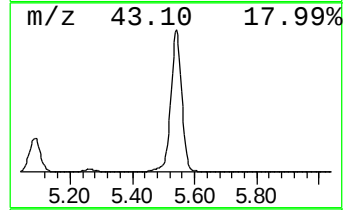
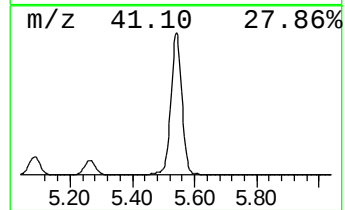
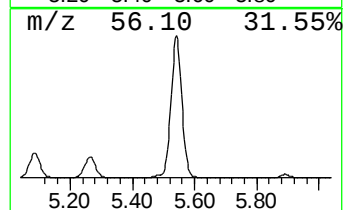
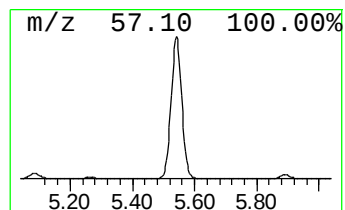
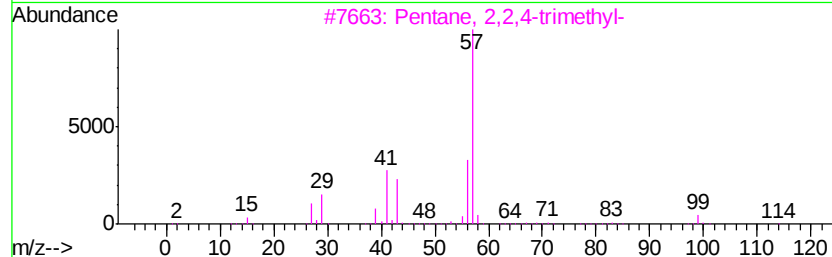
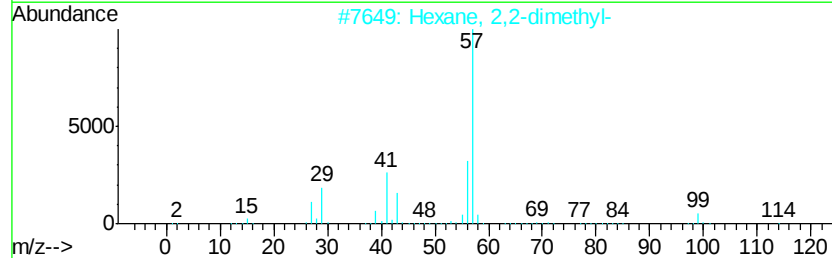
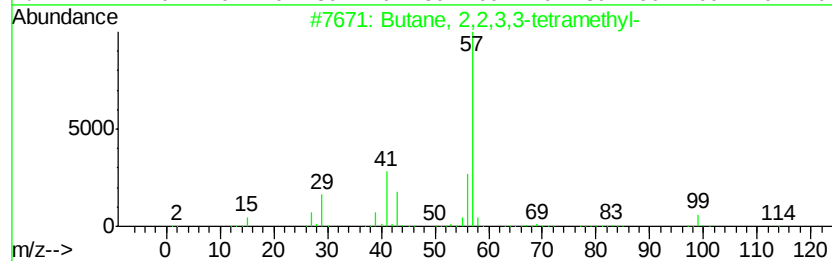
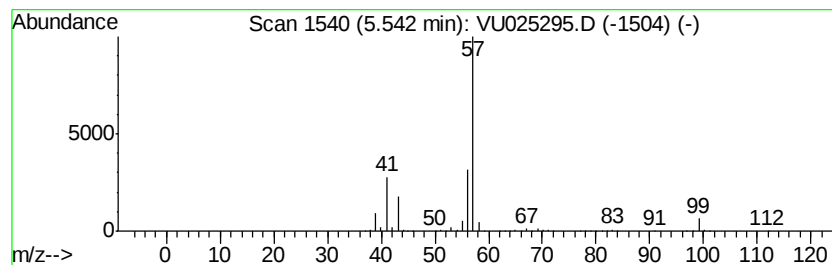
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	162.70 ug/l	2323990	1,4-Difluorobenzene	5.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
2		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
3		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
4		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	64
5		Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	56



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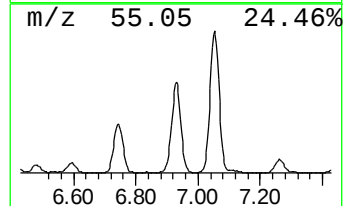
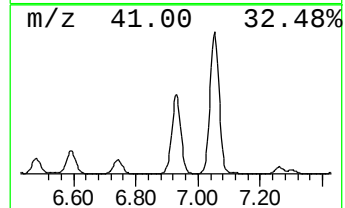
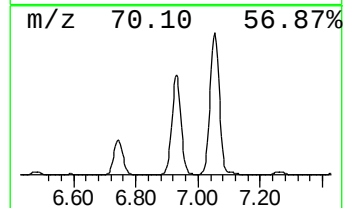
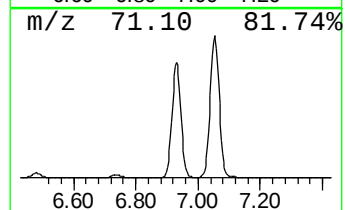
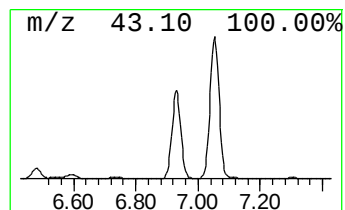
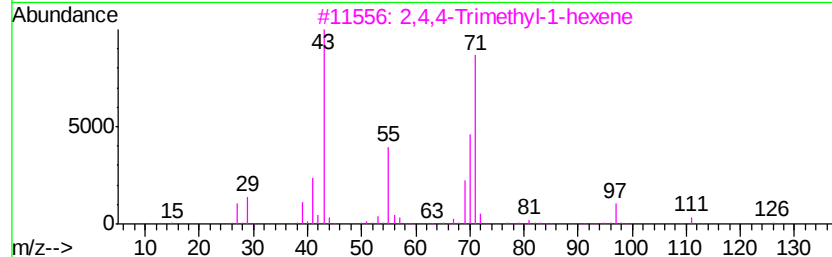
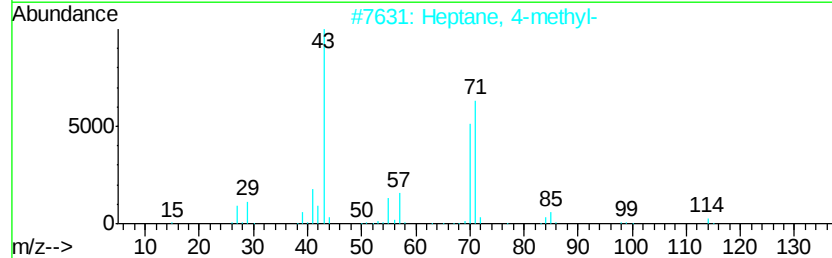
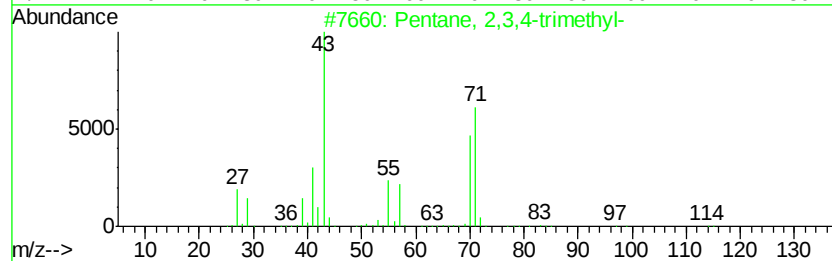
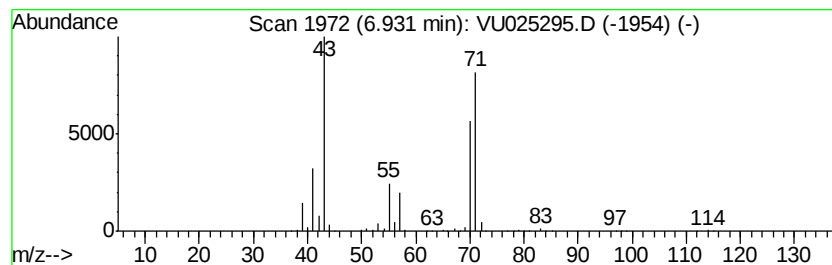
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Peak Number 4 Pentane, 2,3,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	98.35 ug/l	1404830	1,4-Difluorobenzene	5.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3		2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78
4		Pentane, 3-ethyl-	100	C7H16	000617-78-7	74
5		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025295.D
Acq On : 10 Jul 2018 17:42
Operator : MD/SY
Sample : J3898-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

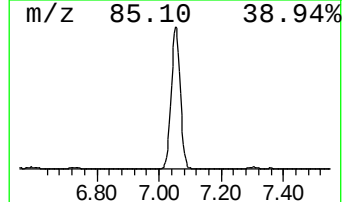
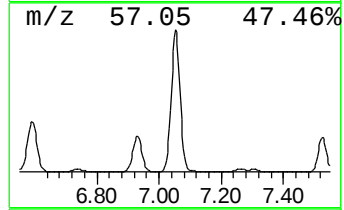
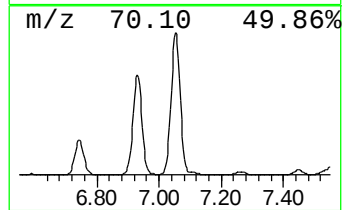
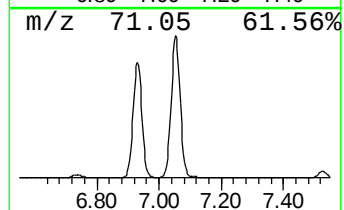
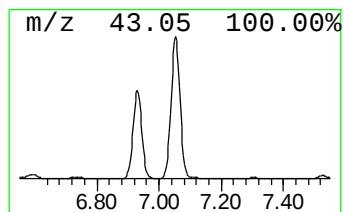
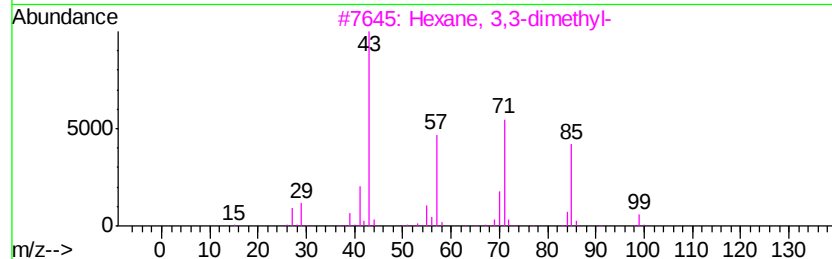
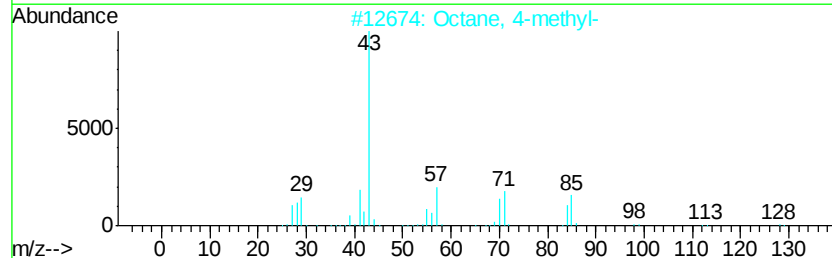
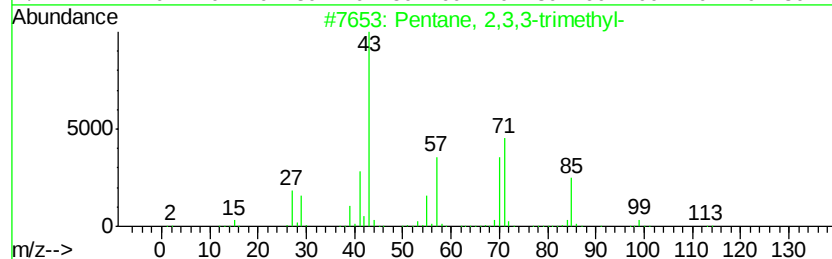
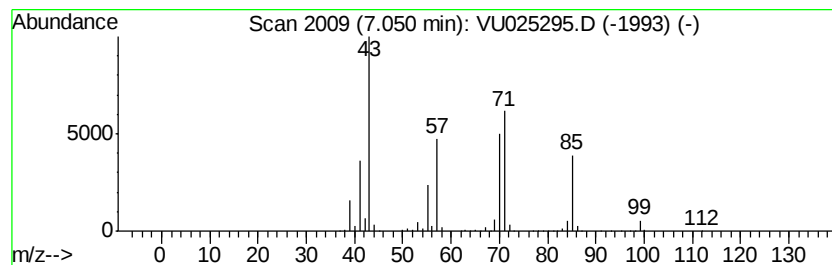
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Quant Title : SW846 8260

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

Peak Number 5 Pentane, 2,3,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	185.70 ug/l	2652520	1,4-Difluorobenzene	5.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2		Octane, 4-methyl-	128	C9H20	002216-34-4	78
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025295.D
Acq On : 10 Jul 2018 17:42
Operator : MD/SY
Sample : J3898-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

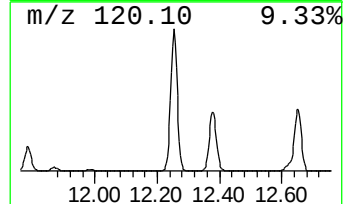
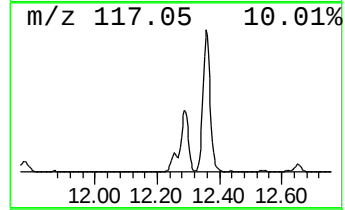
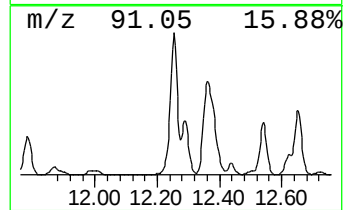
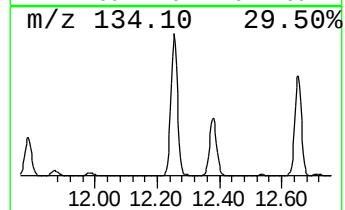
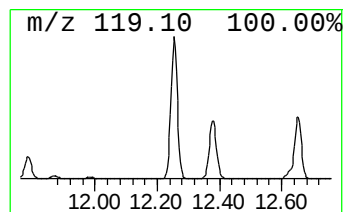
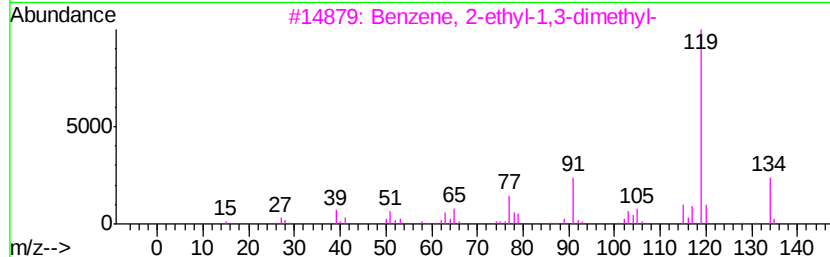
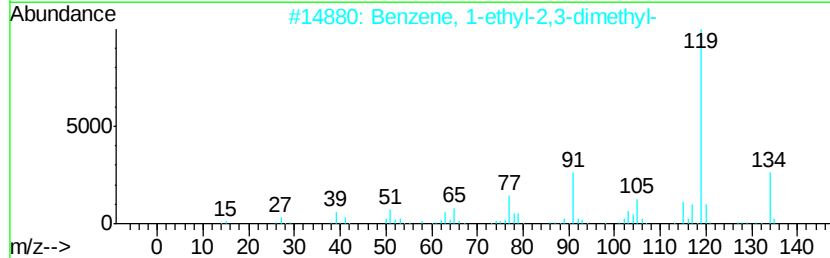
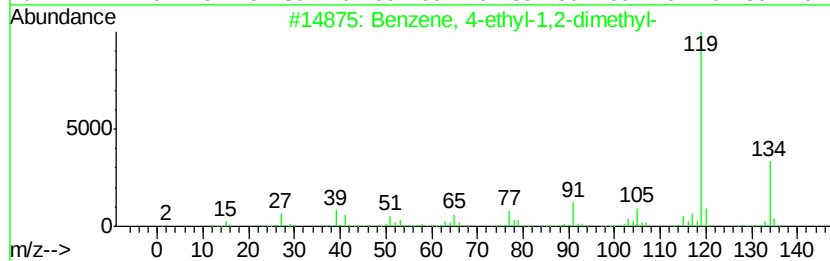
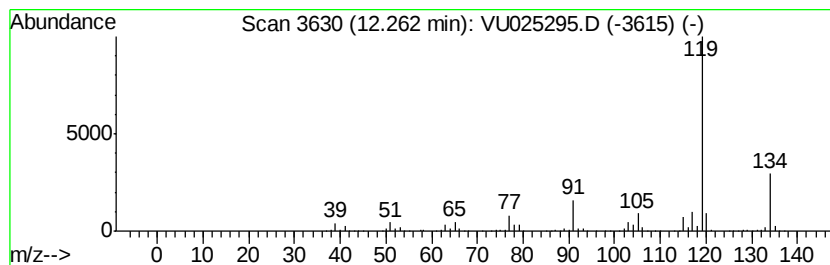
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	117.30 ug/l	2332650	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025295.D
Acq On : 10 Jul 2018 17:42
Operator : MD/SY
Sample : J3898-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

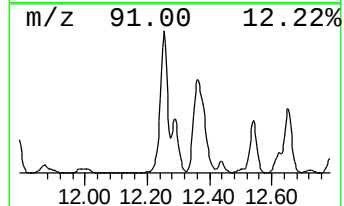
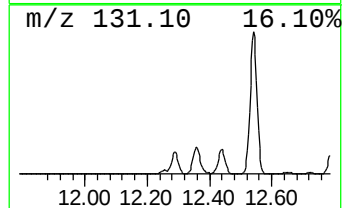
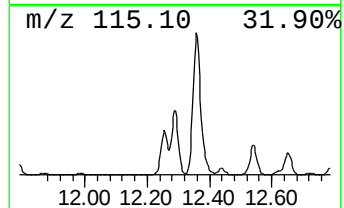
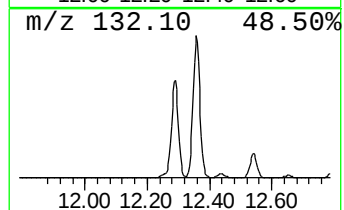
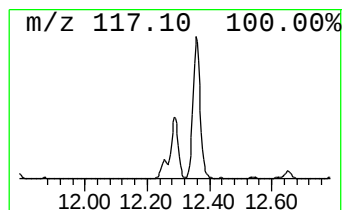
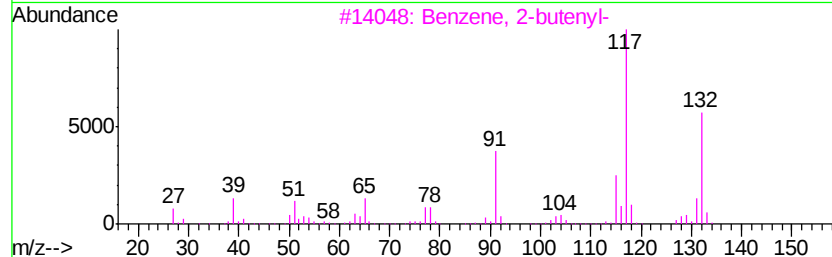
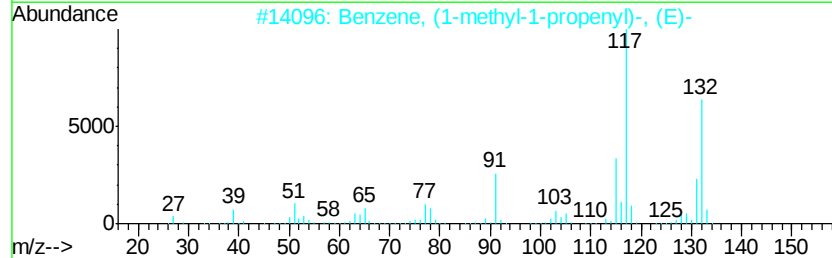
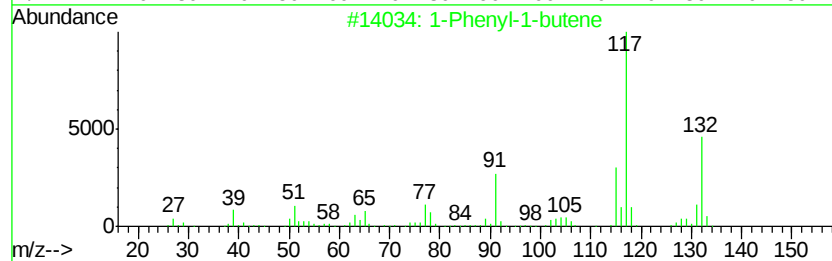
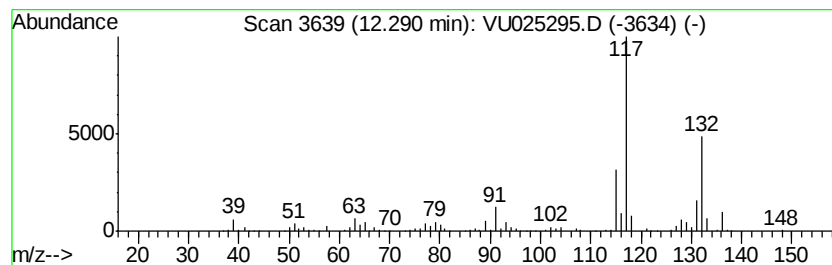
Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

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

Peak Number 7 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	52.32 ug/l	1040400	1,4-Dichlorobenzene-d4	11.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8 90
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3 90
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1 87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7 87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5 87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025295.D
Acq On : 10 Jul 2018 17:42
Operator : MD/SY
Sample : J3898-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

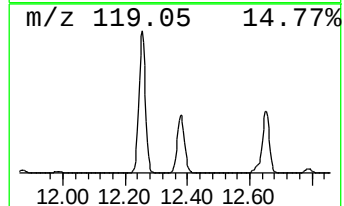
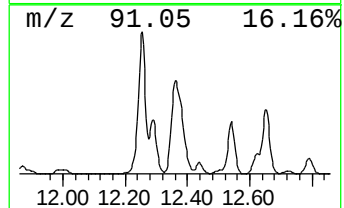
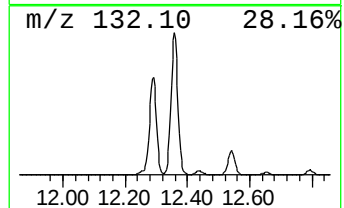
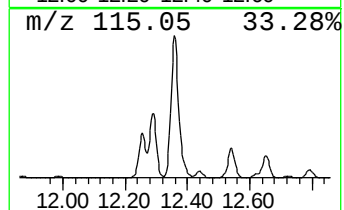
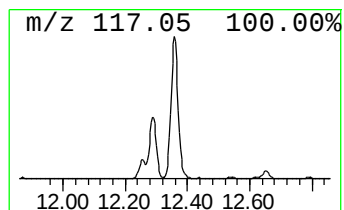
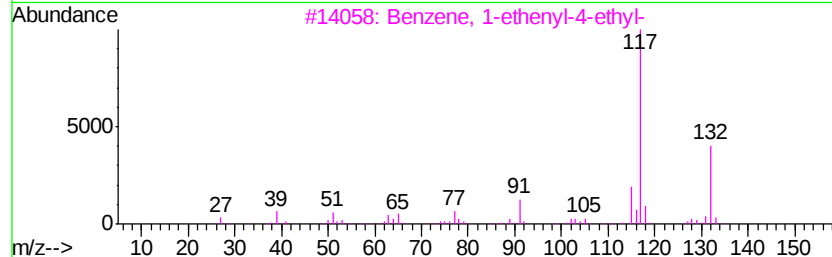
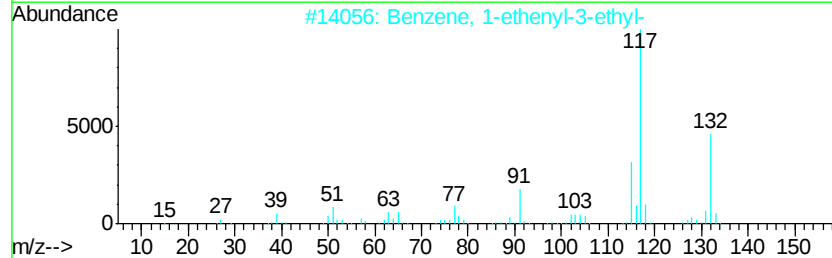
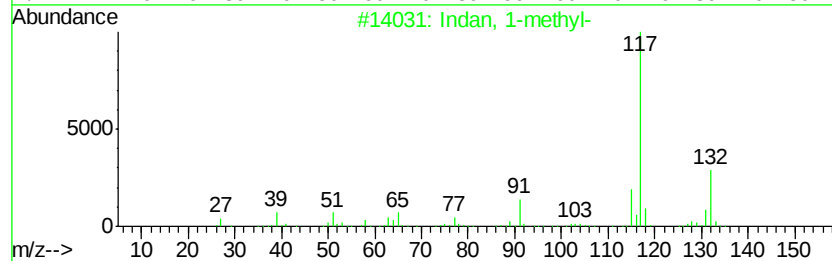
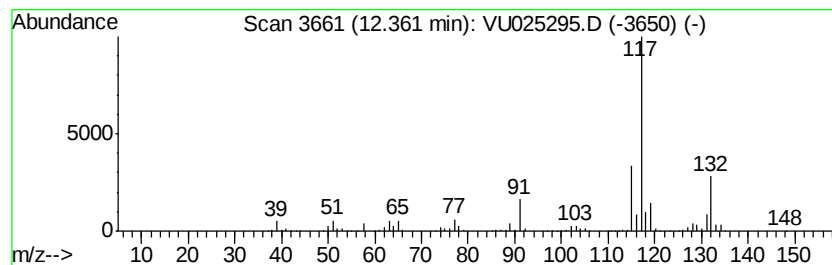
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Quant Title : SW846 8260

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

Peak Number 8 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	141.10 ug/l	2805770	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025295.D
Acq On : 10 Jul 2018 17:42
Operator : MD/SY
Sample : J3898-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

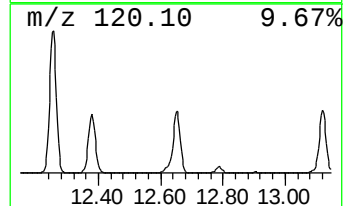
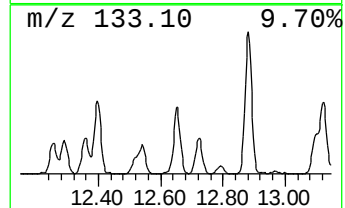
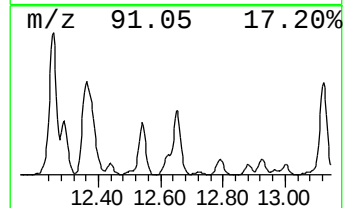
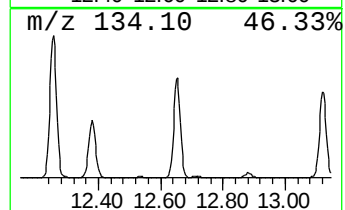
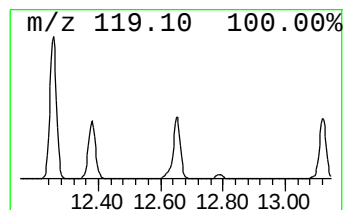
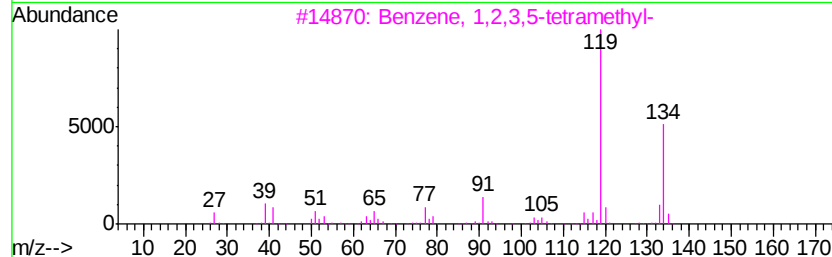
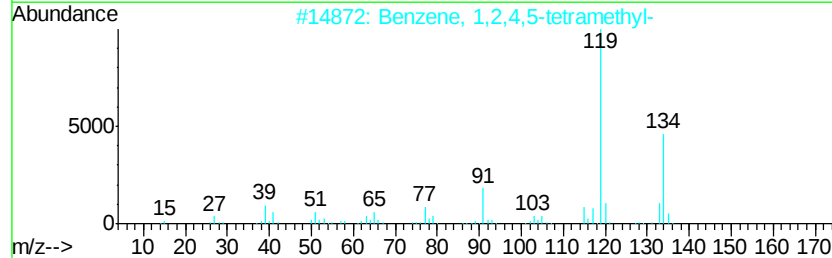
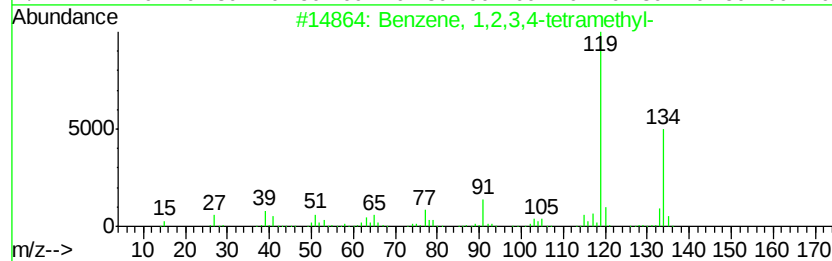
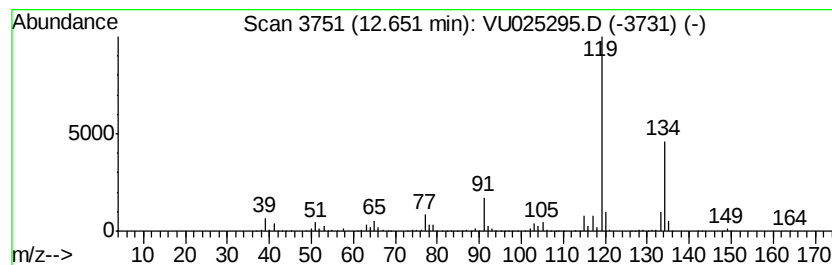
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	68.87 ug/l	1369550	1,4-Dichlorobenzene-d4	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025295.D
Acq On : 10 Jul 2018 17:42
Operator : MD/SY
Sample : J3898-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

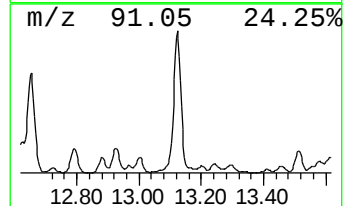
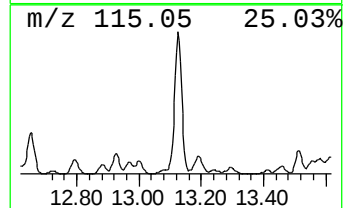
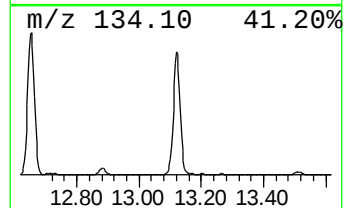
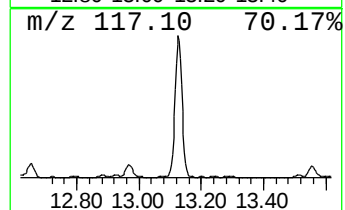
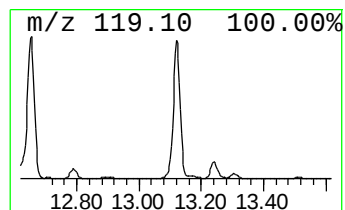
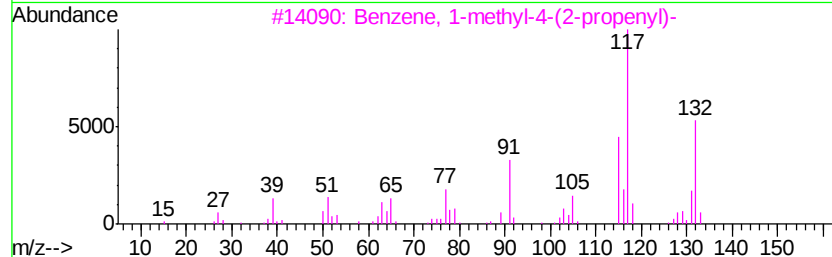
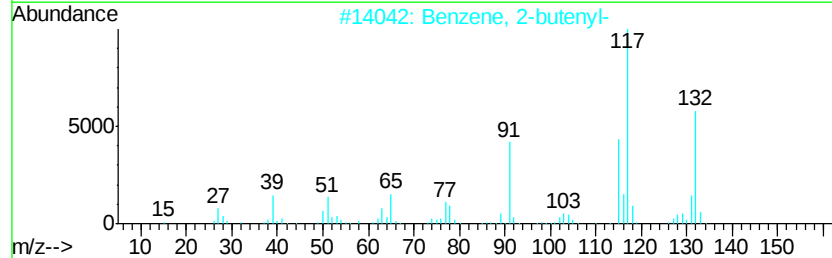
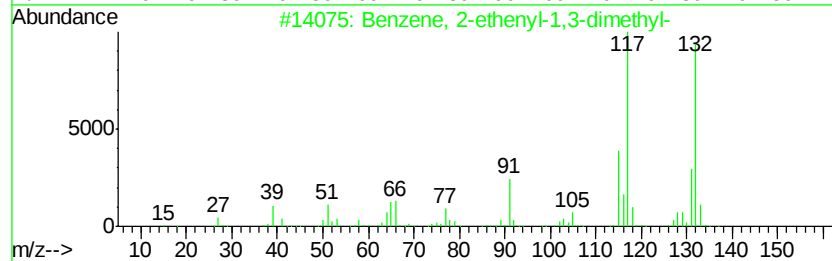
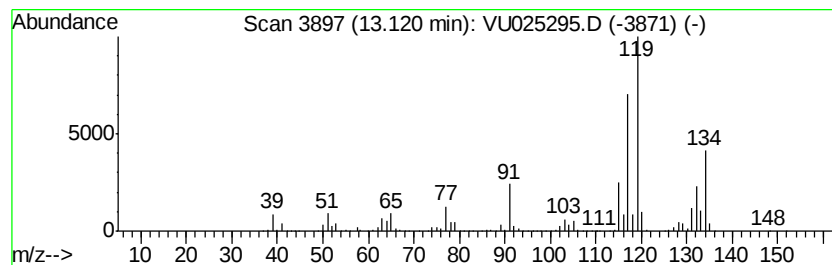
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	105.78 ug/l	2103490	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	64
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
4		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025295.D
Acq On : 10 Jul 2018 17:42
Operator : MD/SY
Sample : J3898-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.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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Butane, 2,2,3,3-t...	5.54	162.7	ug/l	2323990	2	5.89	714216	50.0
Pentane, 2,3,4-tr...	6.93	98.3	ug/l	1404830	2	5.89	714216	50.0
Pentane, 2,3,3-tr...	7.05	185.7	ug/l	2652520	2	5.89	714216	50.0
Benzene, 4-ethyl-...	12.26	117.3	ug/l	2332650	4	11.49	994274	50.0
1-Phenyl-1-butene	12.29	52.3	ug/l	1040400	4	11.49	994274	50.0
Indan, 1-methyl-	12.36	141.1	ug/l	2805770	4	11.49	994274	50.0
Benzene, 1,2,3,4-...	12.65	68.9	ug/l	1369550	4	11.49	994274	50.0
Benzene, 2-etheny...	13.12	105.8	ug/l	2103490	4	11.49	994274	50.0