

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071018\
 Data File : VU025299.D
 Acq On : 10 Jul 2018 19:20
 Operator : MD/SY
 Sample : J3898-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW103-180705

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	133	155	178	rBV	824256	982974	33.63%	5.029%
2	1.407	245	254	263	rBV	90563	97767	3.34%	0.500%
3	1.760	355	364	374	rBV2	37360	49268	1.69%	0.252%
4	2.712	646	660	677	rVB	97348	201345	6.89%	1.030%
5	4.002	1043	1061	1085	rVB3	28480	79605	2.72%	0.407%
6	4.230	1110	1132	1152	rBV2	44810	115544	3.95%	0.591%
7	4.889	1319	1337	1354	rBV	179422	407235	13.93%	2.084%
8	4.989	1354	1368	1386	rVV2	268589	592353	20.26%	3.031%
9	5.088	1386	1399	1418	rVB3	37198	92634	3.17%	0.474%
10	5.265	1436	1454	1458	rBV4	29364	62243	2.13%	0.318%
11	5.313	1459	1469	1486	rVV	187127	400728	13.71%	2.050%
12	5.542	1514	1540	1560	rVB	146953	360534	12.33%	1.845%
13	5.892	1632	1649	1678	rBV	360201	724009	24.77%	3.704%
14	6.397	1789	1806	1821	rBV2	44083	92962	3.18%	0.476%
15	6.590	1857	1866	1883	rVB3	17517	37532	1.28%	0.192%
16	6.744	1896	1914	1930	rBV4	43383	93774	3.21%	0.480%
17	6.931	1954	1972	1992	rBV2	100523	206862	7.08%	1.058%
18	7.053	1992	2010	2025	rBV	201216	419690	14.36%	2.147%
19	7.262	2063	2075	2081	rBV4	21398	42751	1.46%	0.219%
20	7.529	2144	2158	2159	rBV2	23268	30397	1.04%	0.156%
21	7.571	2160	2171	2188	rVB	654985	1139150	38.97%	5.828%
22	7.715	2203	2216	2232	rBV2	77485	154158	5.27%	0.789%
23	7.921	2269	2280	2300	rVB3	36504	70092	2.40%	0.359%
24	8.050	2306	2320	2330	rBV2	16316	30055	1.03%	0.154%
25	8.493	2441	2458	2476	rBV6	17603	42361	1.45%	0.217%
26	8.609	2482	2494	2503	rBV2	62668	114845	3.93%	0.588%
27	8.654	2504	2508	2527	rVB5	18926	39893	1.36%	0.204%
28	8.850	2559	2569	2583	rBV3	33410	60901	2.08%	0.312%
29	9.120	2632	2653	2667	rBV2	1258631	2923260	100.00%	14.957%
30	9.191	2668	2675	2686	rVV2	66008	122999	4.21%	0.629%
31	9.368	2718	2730	2748	rBV6	73594	175922	6.02%	0.900%
32	9.574	2782	2794	2809	rVB2	48179	83017	2.84%	0.425%
33	9.747	2826	2848	2859	rVV4	65169	192104	6.57%	0.983%
34	9.808	2859	2867	2879	rVB	19247	32270	1.10%	0.165%

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35	9.927	2887	2904	2905	rBV7	27033	50167	1.72%	0.257%
36	9.959	2906	2914	2925	rVB2	86937	146795	5.02%	0.751%
37	10.053	2932	2943	2958	rBV7	35995	80506	2.75%	0.412%
38	10.223	2985	2996	3012	rBV7	36007	79889	2.73%	0.409%
39	10.310	3012	3023	3035	rBV	508740	819934	28.05%	4.195%
40	10.381	3036	3045	3054	rVB2	52122	89777	3.07%	0.459%
41	10.496	3073	3081	3092	rVB3	63945	105560	3.61%	0.540%
42	10.631	3114	3123	3136	rBV8	17042	39464	1.35%	0.202%
43	10.702	3137	3145	3156	rVB7	23434	47453	1.62%	0.243%
44	10.985	3220	3233	3249	rBV5	55082	105893	3.62%	0.542%
45	11.104	3254	3270	3279	rBV	135756	215396	7.37%	1.102%
46	11.294	3313	3329	3335	rBV	169650	308331	10.55%	1.578%
47	11.326	3335	3339	3355	rVB	113079	162685	5.57%	0.832%
48	11.487	3378	3389	3404	rBV	589608	967954	33.11%	4.952%
49	11.615	3420	3429	3440	rBV8	12729	29346	1.00%	0.150%
50	11.693	3441	3453	3467	rVB	391416	608391	20.81%	3.113%
51	11.786	3467	3482	3495	rBV2	168091	280437	9.59%	1.435%
52	11.866	3497	3507	3526	rVB8	75249	185782	6.36%	0.951%
53	11.988	3530	3545	3556	rBV3	24408	53864	1.84%	0.276%
54	12.252	3615	3627	3633	rVV2	118584	213655	7.31%	1.093%
55	12.294	3633	3640	3650	rVV2	149466	277262	9.48%	1.419%
56	12.361	3650	3661	3679	rVV3	304594	854473	29.23%	4.372%
57	12.438	3679	3685	3695	rVV	82265	129228	4.42%	0.661%
58	12.541	3695	3717	3732	rVV	350394	641960	21.96%	3.285%
59	12.625	3732	3743	3746	rVV2	117581	174792	5.98%	0.894%
60	12.654	3746	3752	3764	rVV	224291	350276	11.98%	1.792%
61	12.725	3765	3774	3783	rVV	48750	76015	2.60%	0.389%
62	12.792	3784	3795	3806	rVB2	110404	180801	6.18%	0.925%
63	12.927	3827	3837	3844	rVV	108023	169006	5.78%	0.865%
64	12.969	3844	3850	3853	rVV	31596	41845	1.43%	0.214%
65	13.001	3853	3860	3870	rVB	92195	142141	4.86%	0.727%
66	13.072	3873	3882	3889	rBV	24628	39856	1.36%	0.204%
67	13.127	3889	3899	3910	rVB2	159263	245988	8.41%	1.259%
68	13.197	3912	3921	3931	rVB6	43378	80932	2.77%	0.414%
69	13.265	3932	3942	3947	rBV4	21563	39223	1.34%	0.201%
70	13.458	3993	4002	4011	rBV3	48223	75003	2.57%	0.384%
71	13.512	4011	4019	4026	rBV3	70545	105872	3.62%	0.542%

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72	13.583	4026	4041	4046	rBV4	60544	145278	4.97%	0.743%
73	13.731	4077	4087	4096	rBV	33146	58949	2.02%	0.302%
74	13.786	4098	4104	4113	rVV3	17278	29696	1.02%	0.152%
75	13.860	4117	4127	4140	rBV2	56250	94469	3.23%	0.483%
76	13.953	4141	4156	4168	rBV2	77099	135334	4.63%	0.692%
77	14.020	4169	4177	4186	rVV7	19285	33037	1.13%	0.169%
78	14.159	4208	4220	4222	rBV4	23557	37100	1.27%	0.190%
79	14.265	4242	4253	4266	rBV4	10814	33293	1.14%	0.170%
80	14.339	4266	4276	4289	rVV4	38769	84526	2.89%	0.432%
81	14.480	4313	4320	4330	rVB2	26012	38865	1.33%	0.199%
82	14.544	4331	4340	4354	rVB5	23227	49419	1.69%	0.253%
83	14.683	4373	4383	4398	rBV6	50572	98514	3.37%	0.504%
84	14.882	4434	4445	4454	rBV8	14108	33307	1.14%	0.170%
85	14.937	4454	4462	4479	rVB9	19327	42208	1.44%	0.216%
86	15.069	4493	4503	4517	rBV4	53002	112318	3.84%	0.575%
87	16.065	4804	4813	4822	rBV3	19308	31353	1.07%	0.160%

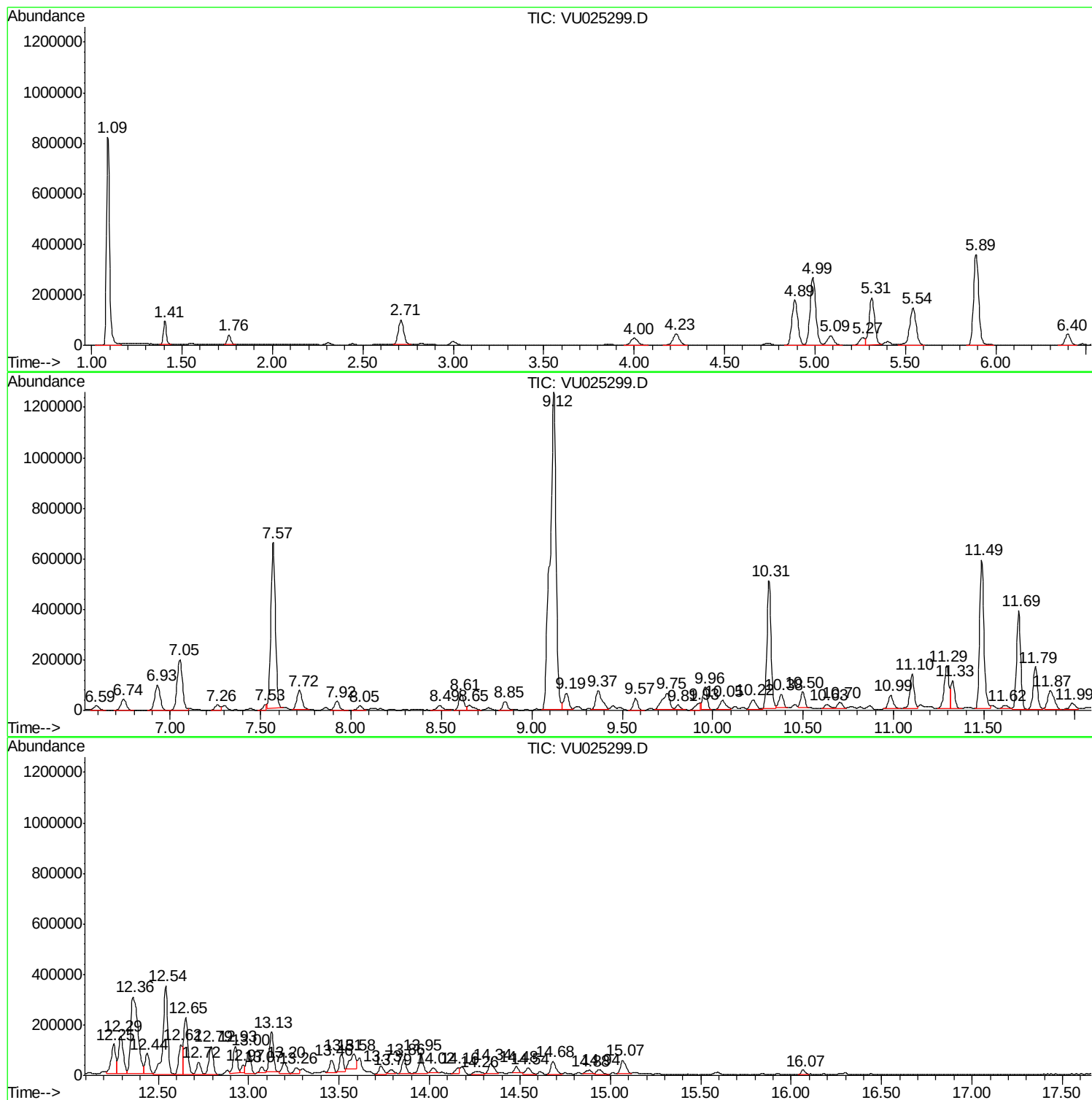
Sum of corrected areas: 19544852

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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



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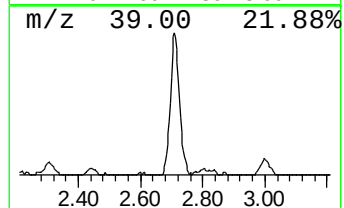
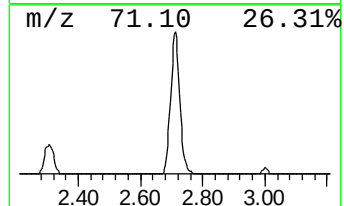
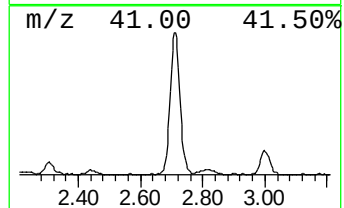
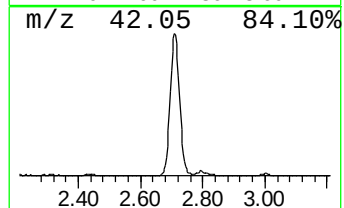
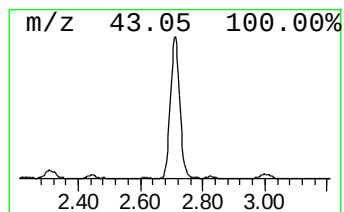
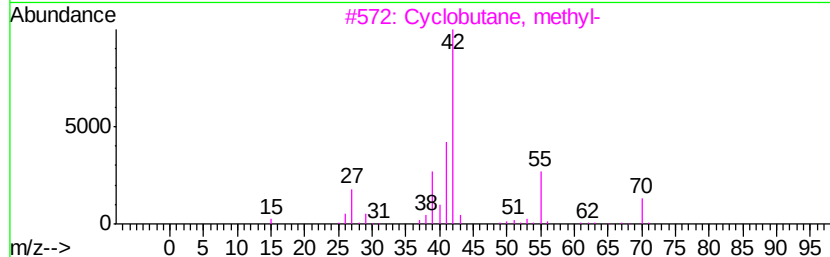
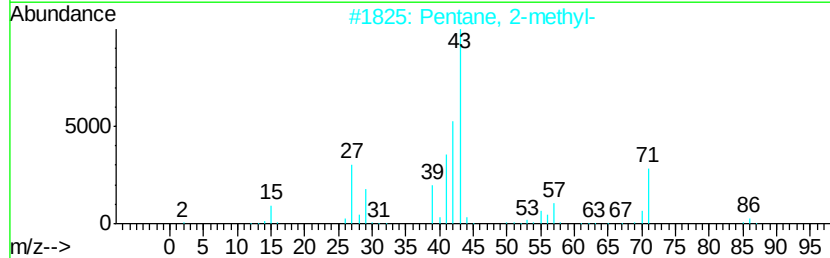
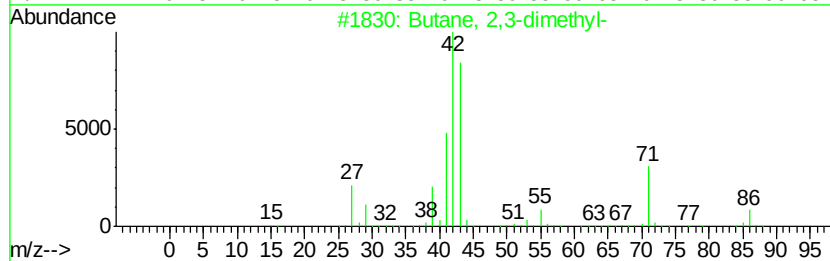
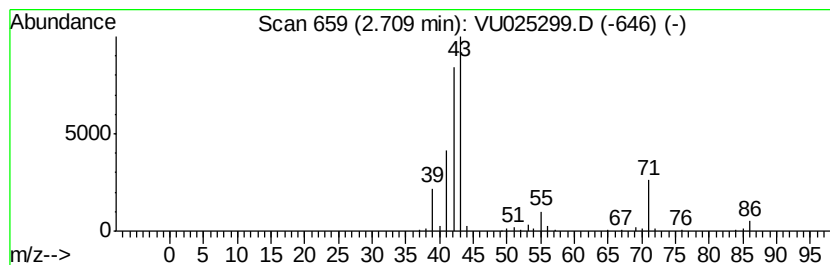
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

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

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	17.00 ug/l	201345	Pentafluorobenzene	4.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2		Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3		Cyclobutane, methyl-	70	C5H10	000598-61-8	40
4		Tetrahydrofuran	72	C4H8O	000109-99-9	38
5		Butane, 2-methyl-	72	C5H12	000078-78-4	36



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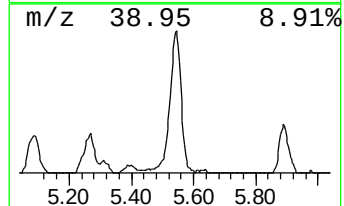
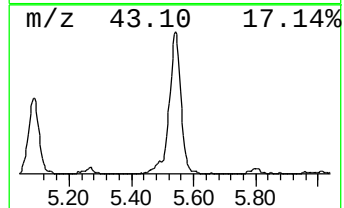
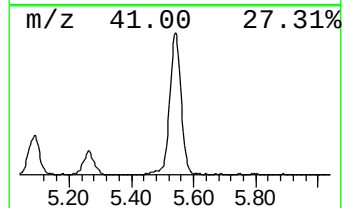
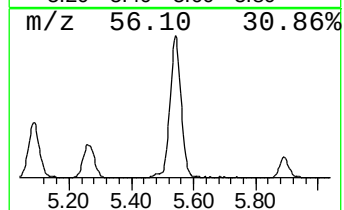
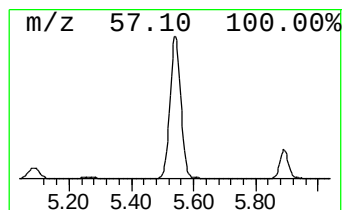
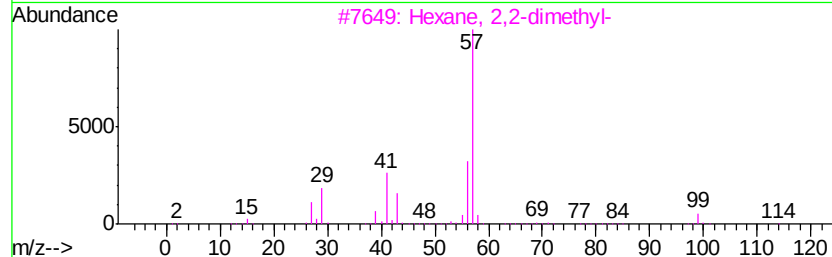
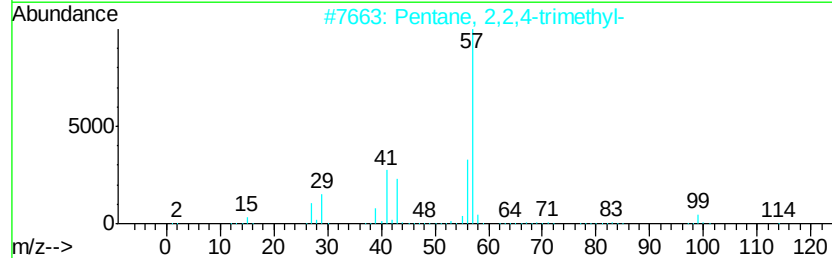
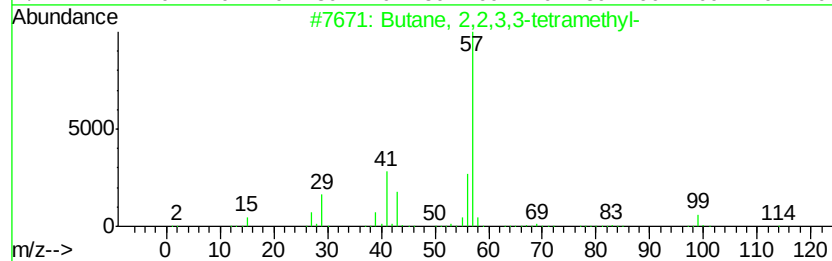
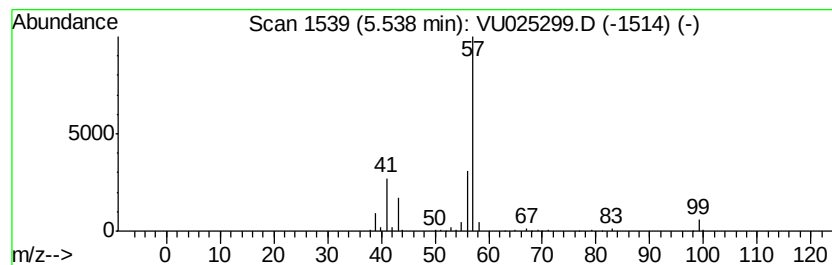
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Butane, 2,2,3,3-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.54	24.90 ug/l	360534	1,4-Difluorobenzene	5.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59



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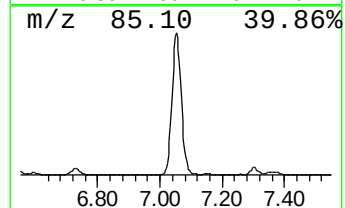
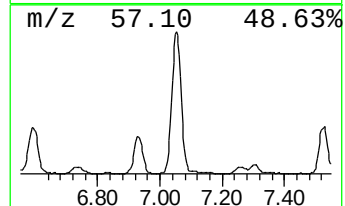
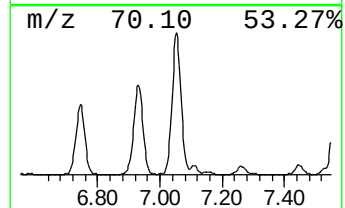
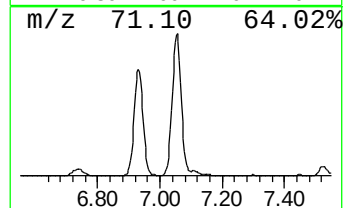
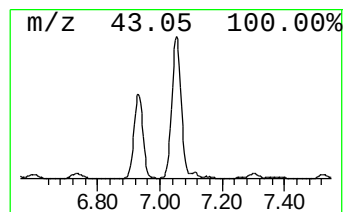
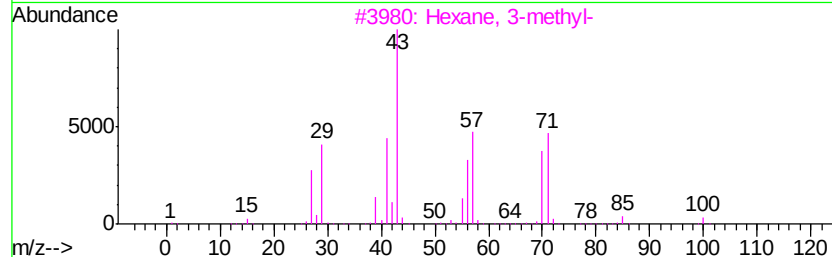
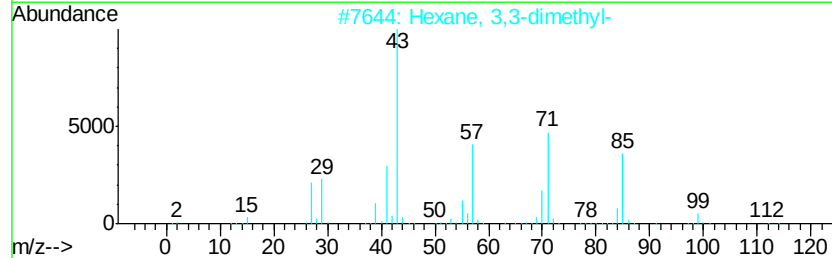
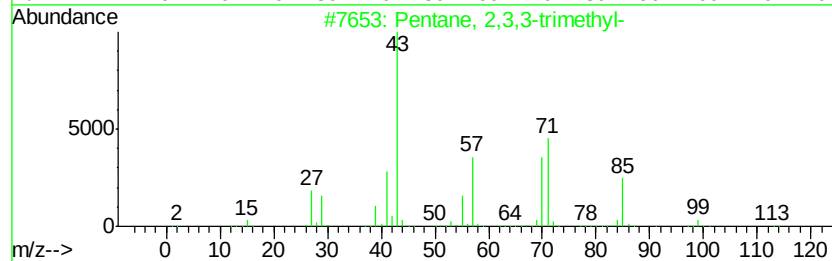
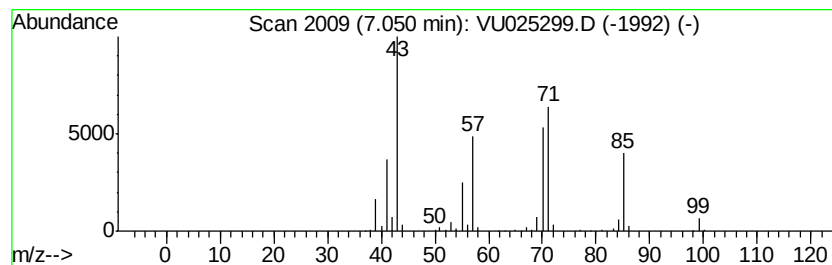
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Quant Title : SW846 8260

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

Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	28.98 ug/l	419690	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		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	58
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50



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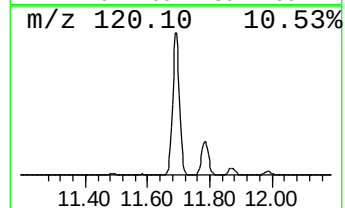
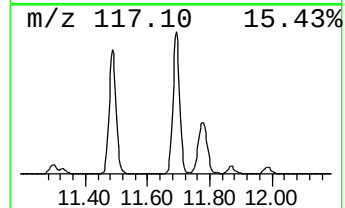
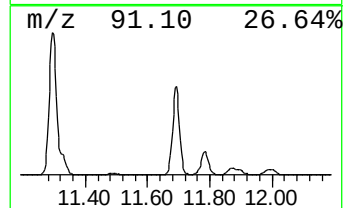
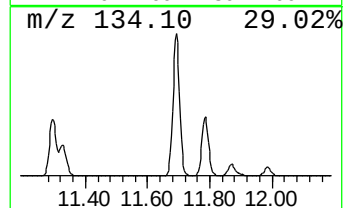
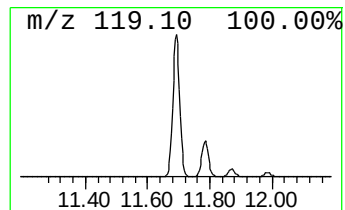
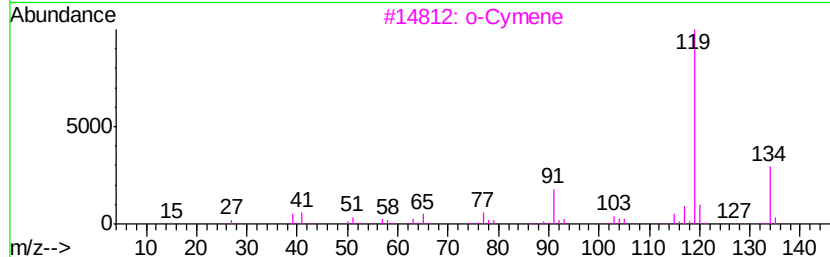
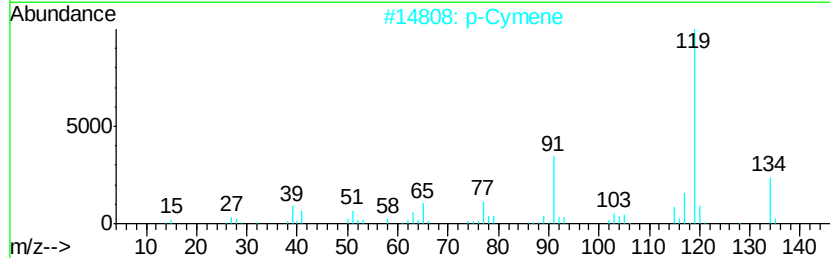
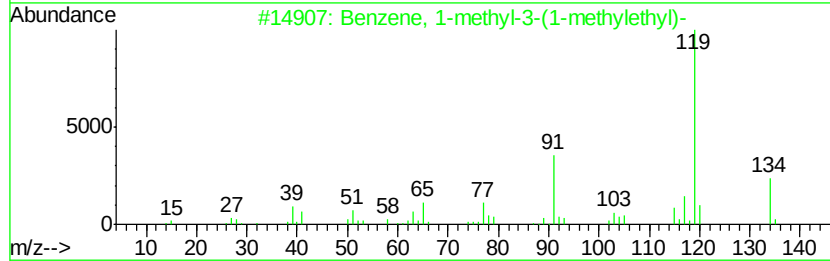
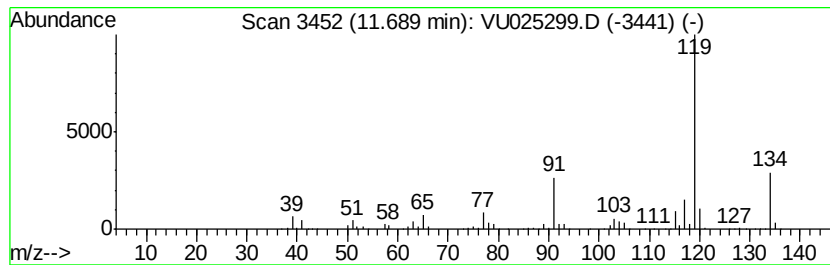
Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

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 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.69	31.43 ug/l	608391	1,4-Dichlorobenzene-d4	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025299.D
Acq On : 10 Jul 2018 19:20
Operator : MD/SY
Sample : J3898-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

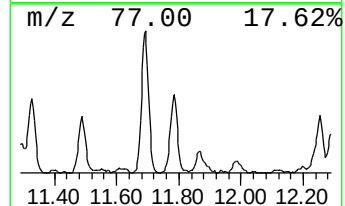
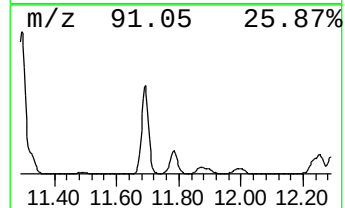
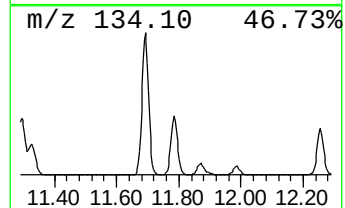
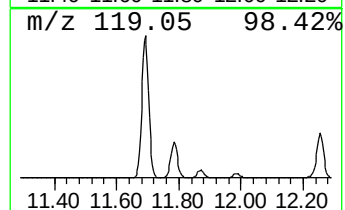
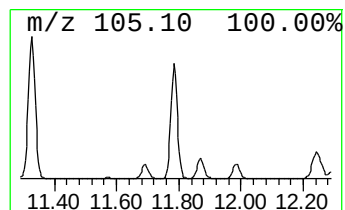
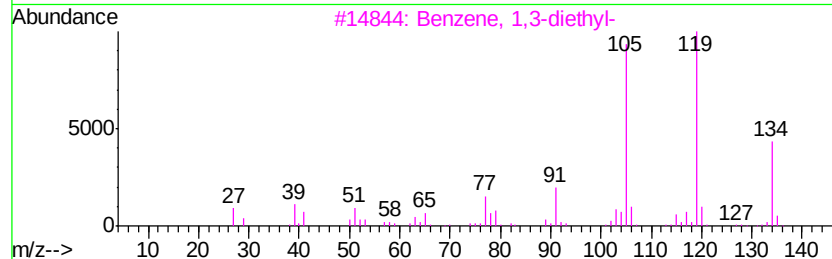
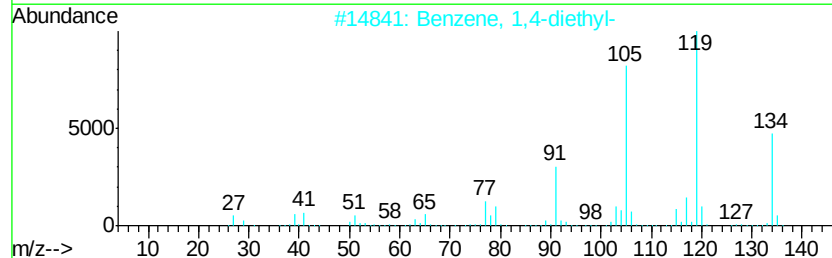
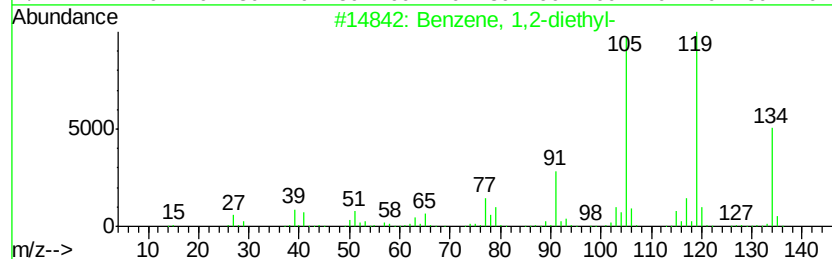
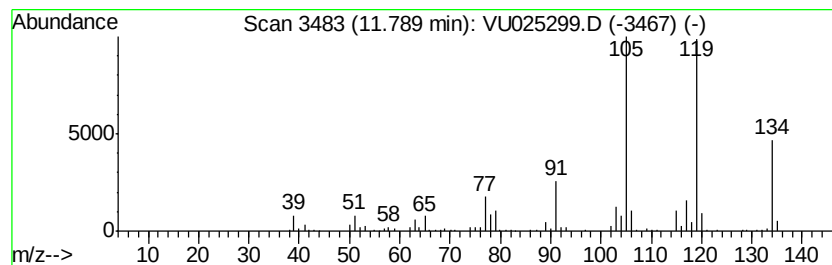
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	14.49 ug/l	280437	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025299.D
Acq On : 10 Jul 2018 19:20
Operator : MD/SY
Sample : J3898-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

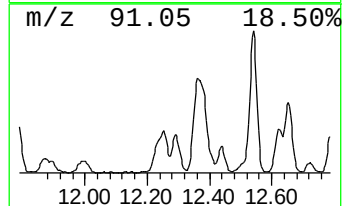
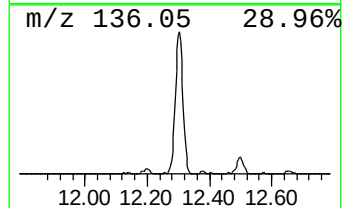
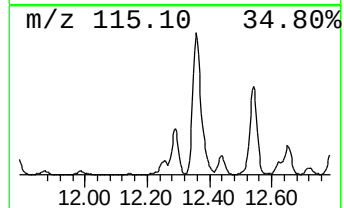
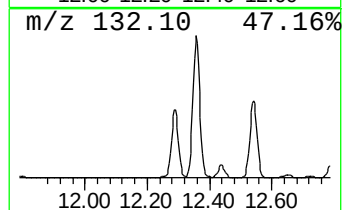
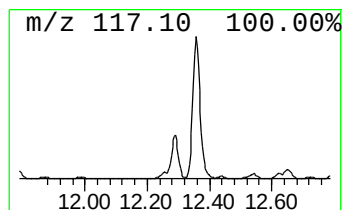
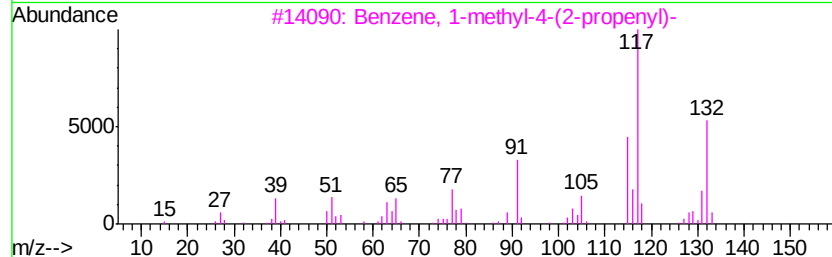
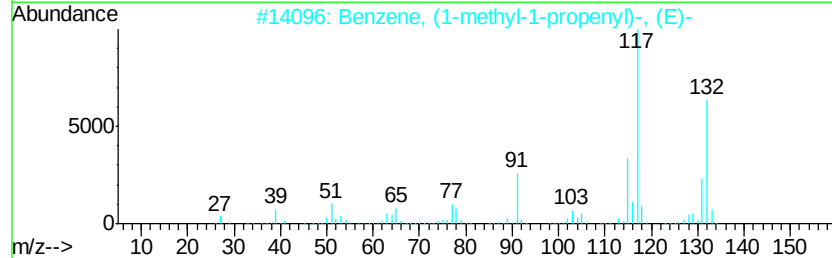
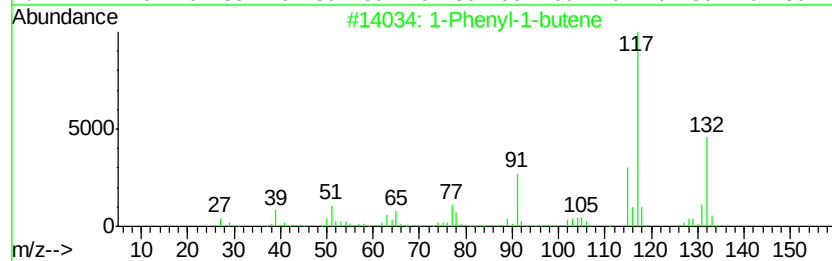
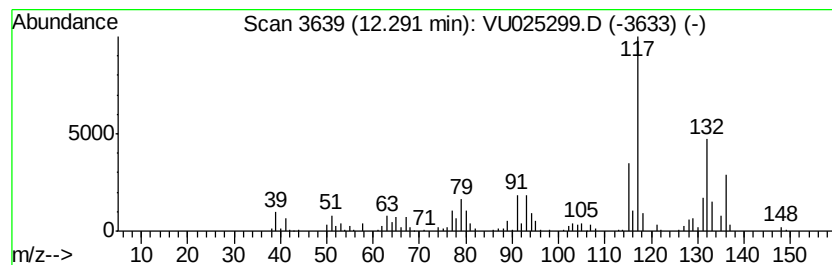
Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

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 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	14.32 ug/l	277262	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 92
2		Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3 86
3		Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9 86
4		Benzene, (2-methyl-2-propenyl)-	132 C10H12	003290-53-7 86
5		(E)-1-Phenyl-1-butene	132 C10H12	001005-64-7 86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025299.D
Acq On : 10 Jul 2018 19:20
Operator : MD/SY
Sample : J3898-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

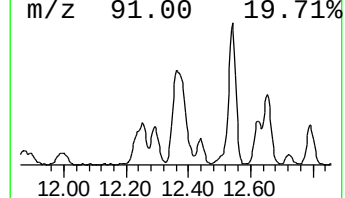
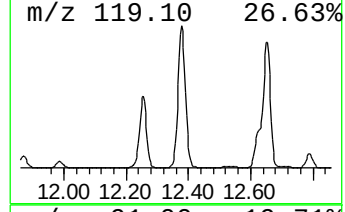
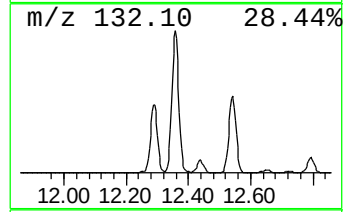
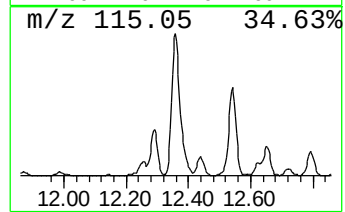
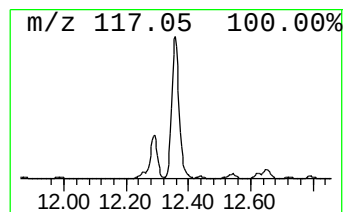
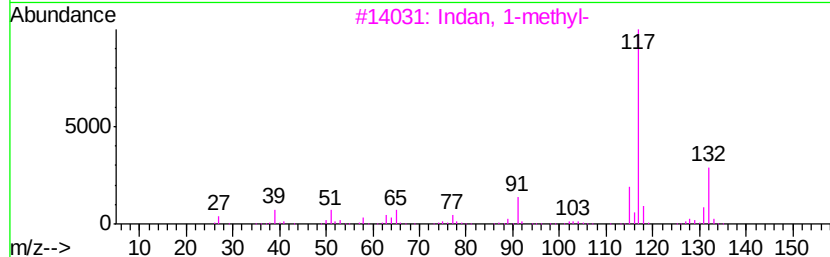
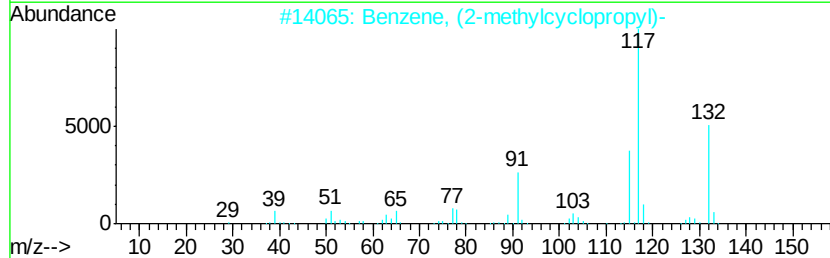
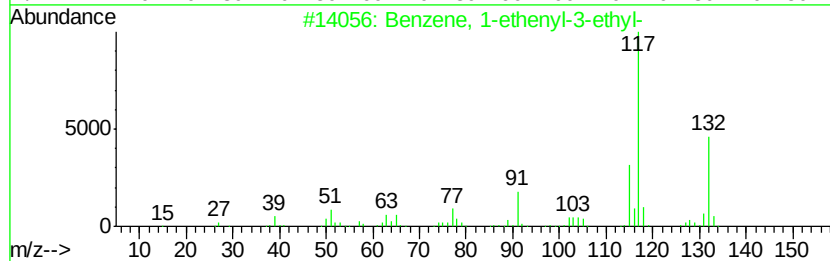
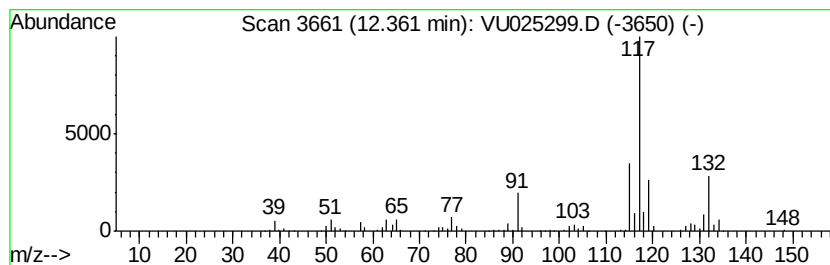
Instrument :
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ClientSampleId :
SS038MW103-180705

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 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	44.14 ug/l	854473	1,4-Dichlorobenzene-d4	11.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4 81
2		Benzene, (2-methylcyclopropyl)-	132 C10H12	1000327-39-0 76
3		Indan, 1-methyl-	132 C10H12	000767-58-8 76
4		Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7 76
5		Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0 74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025299.D
Acq On : 10 Jul 2018 19:20
Operator : MD/SY
Sample : J3898-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

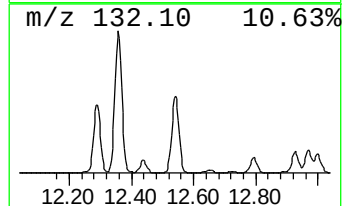
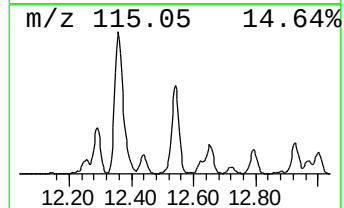
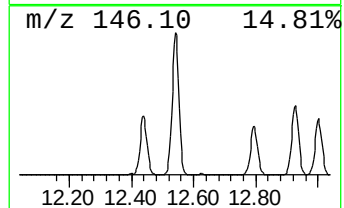
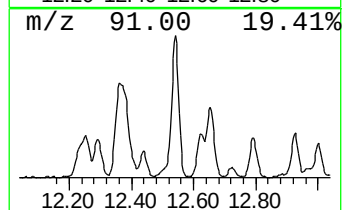
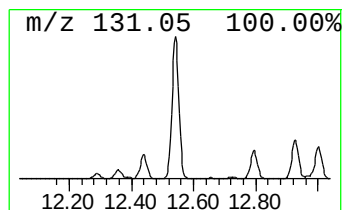
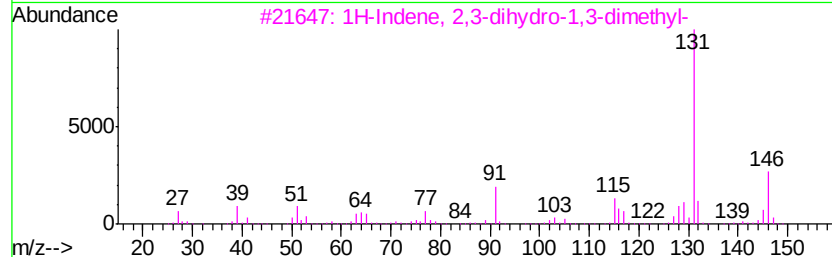
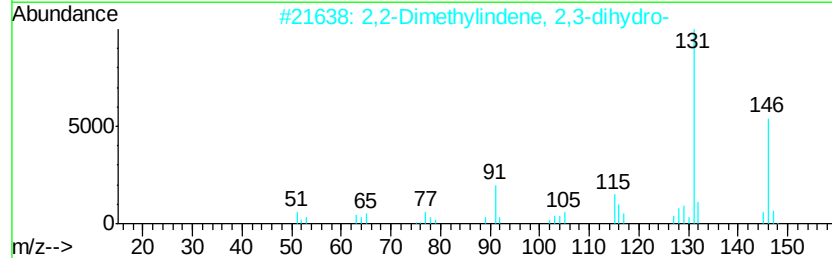
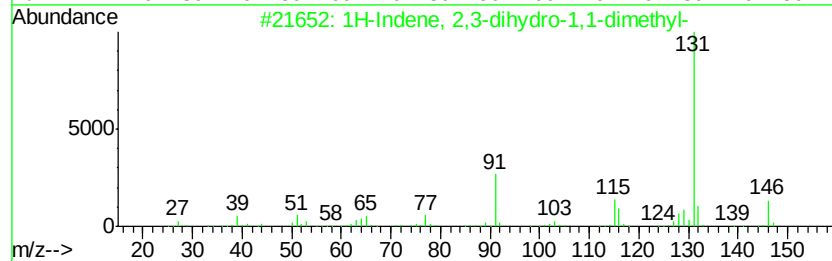
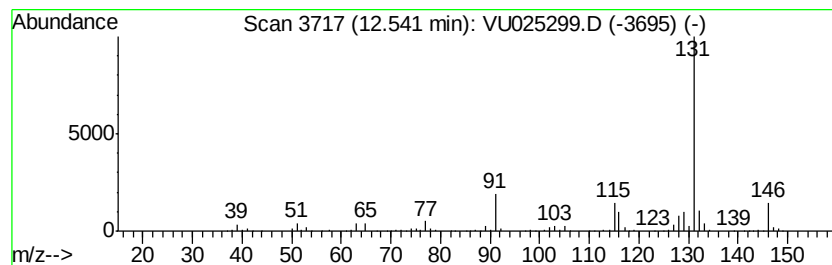
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

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

Peak Number 9 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	33.16 ug/l	641960	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	72
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025299.D
Acq On : 10 Jul 2018 19:20
Operator : MD/SY
Sample : J3898-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

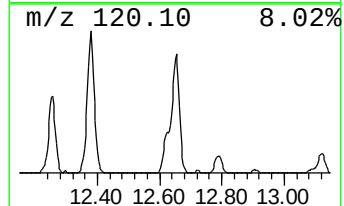
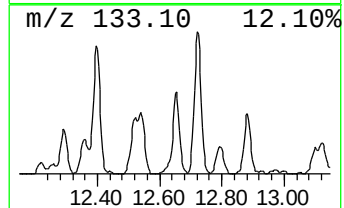
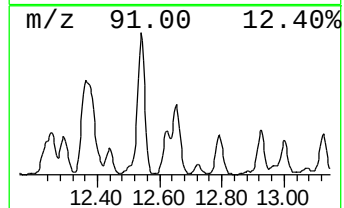
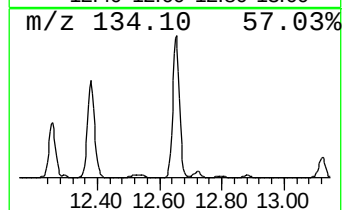
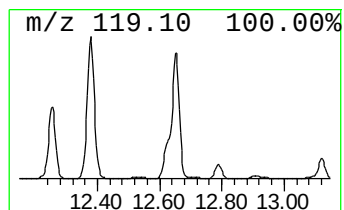
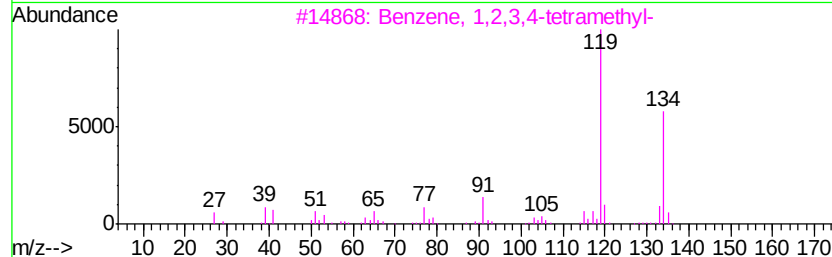
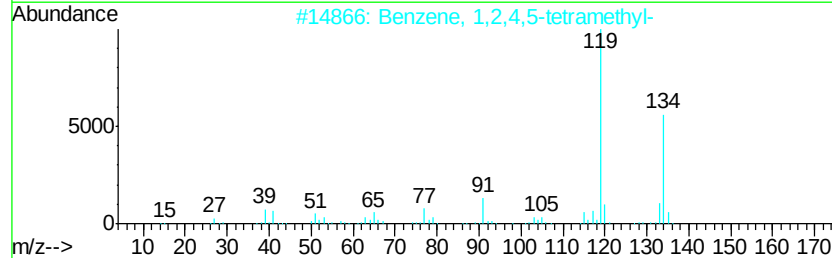
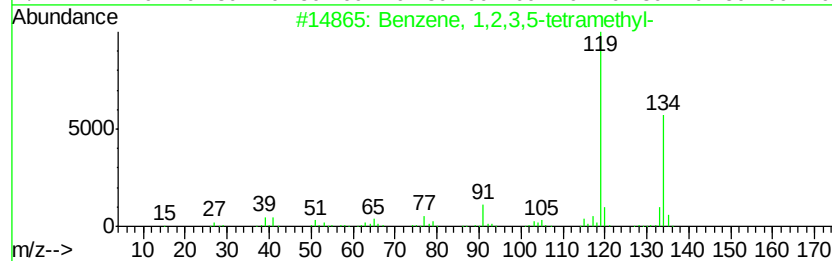
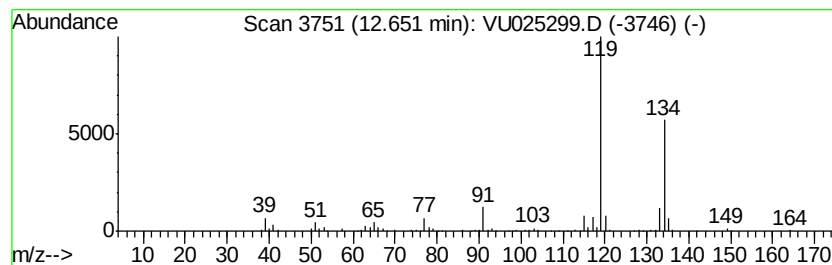
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	18.09 ug/l	350276	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025299.D
Acq On : 10 Jul 2018 19:20
Operator : MD/SY
Sample : J3898-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

Quant Method : Z:\VOASRV\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
Butane, 2,3-dimet...	2.71	17.0	ug/l	201345	1	4.99	592353	50.0
Butane, 2,2,3,3-t...	5.54	24.9	ug/l	360534	2	5.89	724009	50.0
Pentane, 2,3,3-tr...	7.05	29.0	ug/l	419690	2	5.89	724009	50.0
Benzene, 1-methyl...	11.69	31.4	ug/l	608391	4	11.49	967954	50.0
Benzene, 1,2-diet...	11.79	14.5	ug/l	280437	4	11.49	967954	50.0
1-Phenyl-1-butene	12.29	14.3	ug/l	277262	4	11.49	967954	50.0
Benzene, 1-etheny...	12.36	44.1	ug/l	854473	4	11.49	967954	50.0
1H-Indene, 2,3-di...	12.54	33.2	ug/l	641960	4	11.49	967954	50.0
Benzene, 1,2,3,5-...	12.65	18.1	ug/l	350276	4	11.49	967954	50.0