

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027429.D
 Acq On : 04 Oct 2018 23:30
 Operator : MD/SY
 Sample : J5165-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-092718FD-W

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\82U100118W.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	1.273	23	31	40	rBV	751060	1098261	100.00%	6.766%
2	2.324	347	358	373	rBV	59864	96190	8.76%	0.593%
3	2.447	386	396	403	rBV	32397	57277	5.22%	0.353%
4	4.276	956	965	987	rVB2	5090	12292	1.12%	0.076%
5	4.681	1078	1091	1107	rBV4	5186	13419	1.22%	0.083%
6	4.887	1139	1155	1172	rBV	106992	247110	22.50%	1.522%
7	4.987	1172	1186	1205	rVV	141653	315591	28.74%	1.944%
8	5.311	1272	1287	1327	rBV	135541	293353	26.71%	1.807%
9	5.794	1423	1437	1452	rBV3	10683	23889	2.18%	0.147%
10	5.890	1452	1467	1485	rBV	230303	463430	42.20%	2.855%
11	6.427	1626	1634	1645	rBV	8131	15522	1.41%	0.096%
12	7.569	1970	1989	2022	rBV	431591	811500	73.89%	5.000%
13	7.710	2024	2033	2051	rVB5	10621	22275	2.03%	0.137%
14	7.922	2087	2099	2111	rBV3	24181	45255	4.12%	0.279%
15	8.048	2126	2138	2151	rBV2	10684	19836	1.81%	0.122%
16	8.179	2167	2179	2187	rBV2	13596	29410	2.68%	0.181%
17	8.491	2257	2276	2296	rVB6	16651	41217	3.75%	0.254%
18	8.607	2296	2312	2322	rBV	70415	132873	12.10%	0.819%
19	8.765	2348	2361	2371	rBV7	8385	20494	1.87%	0.126%
20	8.848	2371	2387	2401	rVV3	28484	56636	5.16%	0.349%
21	9.093	2450	2463	2479	rVV	343165	589525	53.68%	3.632%
22	9.189	2486	2493	2501	rVB	18072	30218	2.75%	0.186%
23	9.247	2502	2511	2525	rBV5	23978	45059	4.10%	0.278%
24	9.363	2536	2547	2550	rBV5	29477	50362	4.59%	0.310%
25	9.446	2568	2573	2601	rVB3	26088	64150	5.84%	0.395%
26	9.572	2601	2612	2624	rBV2	37999	68410	6.23%	0.421%
27	9.723	2642	2659	2677	rBV5	87813	262088	23.86%	1.615%
28	9.810	2678	2686	2700	rVB6	22283	43400	3.95%	0.267%
29	9.925	2710	2722	2724	rBV4	41062	60346	5.49%	0.372%
30	9.954	2725	2731	2741	rVB2	79532	126742	11.54%	0.781%
31	10.051	2751	2761	2769	rBV5	58694	122257	11.13%	0.753%
32	10.163	2789	2796	2804	rVB6	15349	27477	2.50%	0.169%
33	10.221	2804	2814	2822	rBV8	28233	61177	5.57%	0.377%
34	10.308	2831	2841	2853	rBV	342077	548856	49.98%	3.381%

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35	10.379	2854	2863	2871	rBV2	66901	103526	9.43%	0.638%
36	10.494	2881	2899	2919	rVB5	152286	297658	27.10%	1.834%
37	10.630	2934	2941	2954	rVV8	27850	58597	5.34%	0.361%
38	10.703	2956	2964	2972	rVV6	43140	77078	7.02%	0.475%
39	10.755	2973	2980	2990	rVB3	37896	60849	5.54%	0.375%
40	10.810	2991	2997	3006	rVB6	24814	40302	3.67%	0.248%
41	10.867	3007	3015	3026	rVB3	31002	53644	4.88%	0.330%
42	10.980	3039	3050	3068	rVB4	74345	173417	15.79%	1.068%
43	11.109	3072	3090	3094	rBV4	70878	146426	13.33%	0.902%
44	11.150	3095	3103	3115	rVB	326134	497713	45.32%	3.066%
45	11.279	3131	3143	3151	rBV4	41071	95934	8.74%	0.591%
46	11.327	3152	3158	3171	rVB2	47996	93478	8.51%	0.576%
47	11.398	3173	3180	3183	rVV2	24049	31785	2.89%	0.196%
48	11.430	3183	3190	3197	rVV	76125	116847	10.64%	0.720%
49	11.485	3197	3207	3218	rVB	444649	696458	63.41%	4.291%
50	11.691	3259	3271	3283	rVB	109963	191626	17.45%	1.181%
51	11.781	3284	3299	3315	rVV3	309251	675208	61.48%	4.160%
52	11.861	3315	3324	3343	rVB4	186248	375939	34.23%	2.316%
53	11.980	3351	3361	3374	rBV	177211	286687	26.10%	1.766%
54	12.147	3402	3413	3417	rBV	301267	446907	40.69%	2.753%
55	12.176	3417	3422	3432	rVB	343385	485553	44.21%	2.991%
56	12.250	3434	3445	3454	rBV	673026	1025668	93.39%	6.319%
57	12.359	3469	3479	3481	rBV	195479	272306	24.79%	1.678%
58	12.443	3500	3505	3512	rVB3	44004	58448	5.32%	0.360%
59	12.491	3514	3520	3527	rBV4	38067	56600	5.15%	0.349%
60	12.543	3528	3536	3546	rVB3	143795	253972	23.12%	1.565%
61	12.649	3546	3569	3577	rBV2	380674	767691	69.90%	4.730%
62	12.703	3577	3586	3600	rVB	620454	984209	89.62%	6.064%
63	12.790	3601	3613	3629	rBV3	130091	218063	19.86%	1.343%
64	12.880	3632	3641	3647	rBV	89514	129161	11.76%	0.796%
65	12.928	3648	3656	3662	rBV3	106781	184113	16.76%	1.134%
66	13.028	3674	3687	3695	rVB5	43910	100547	9.16%	0.619%
67	13.083	3695	3704	3710	rBV3	99703	164054	14.94%	1.011%
68	13.125	3710	3717	3734	rVB2	178531	355855	32.40%	2.192%
69	13.237	3746	3752	3766	rVB	36596	47919	4.36%	0.295%
70	13.404	3791	3804	3811	rBV4	28387	63945	5.82%	0.394%
71	13.456	3811	3820	3828	rBV4	70012	107270	9.77%	0.661%

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72	13.510	3828	3837	3844	rBV3	115111	181111	16.49%	1.116%
73	13.607	3864	3867	3874	rVB	49340	53974	4.91%	0.333%
74	13.678	3885	3889	3898	rVB6	10547	14419	1.31%	0.089%
75	13.739	3899	3908	3919	rBV5	26424	52394	4.77%	0.323%
76	13.858	3936	3945	3951	rBV3	20464	38280	3.49%	0.236%
77	14.063	4004	4009	4020	rVB3	16760	22945	2.09%	0.141%
78	14.176	4031	4044	4051	rBV2	35754	59018	5.37%	0.364%
79	14.227	4052	4060	4072	rVB6	17467	32948	3.00%	0.203%
80	14.411	4106	4117	4126	rBV6	19776	36525	3.33%	0.225%
81	15.202	4352	4363	4373	rBV7	14725	28559	2.60%	0.176%

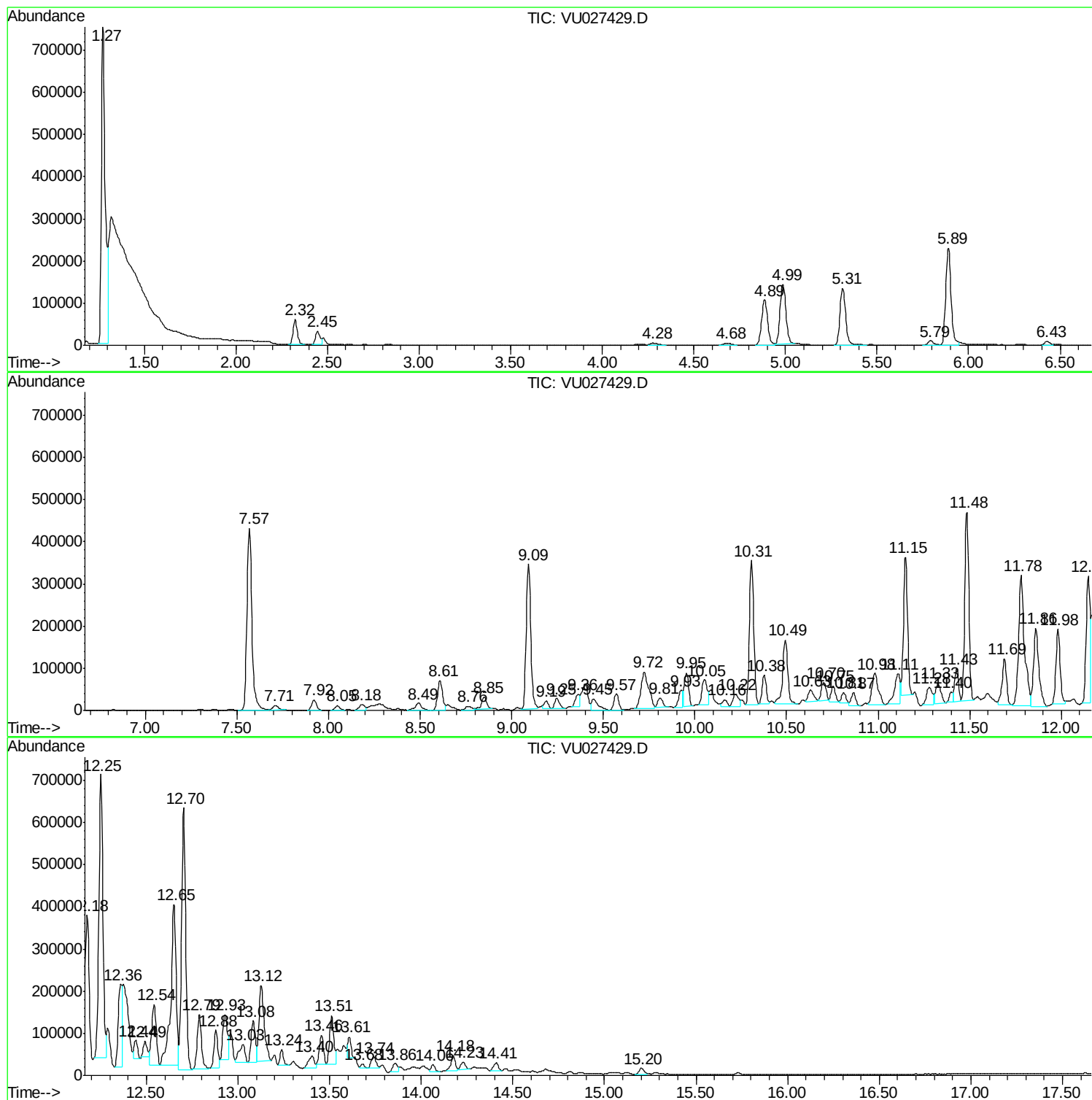
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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



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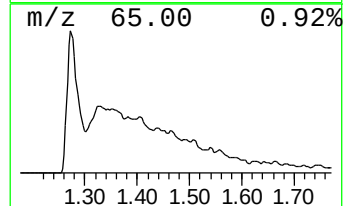
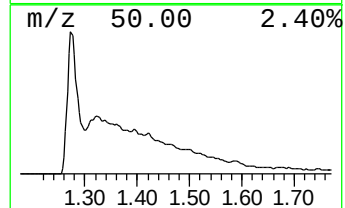
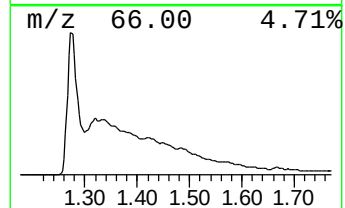
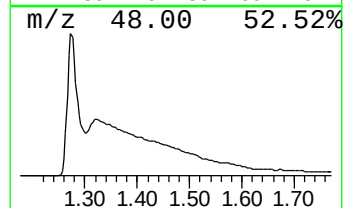
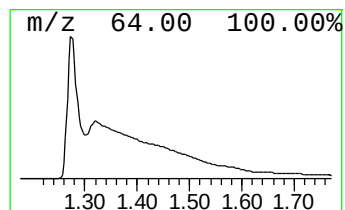
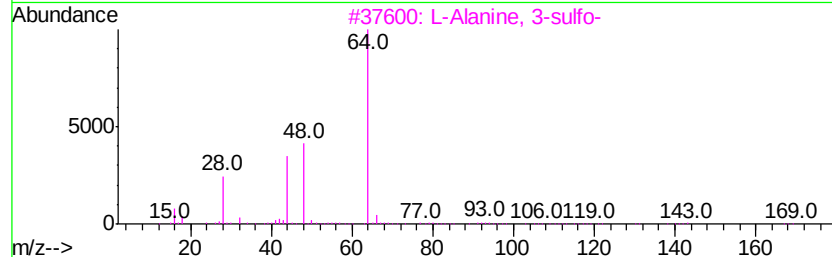
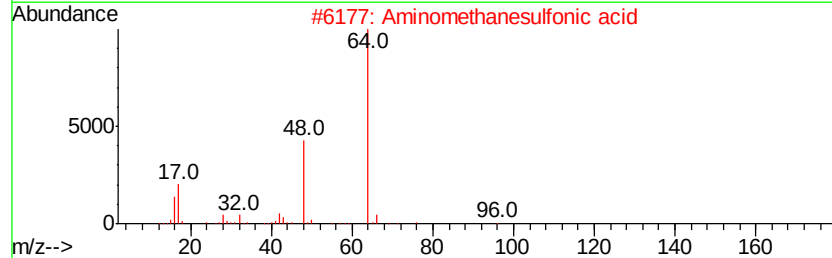
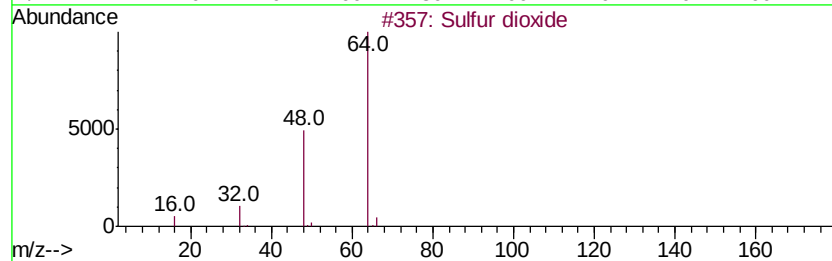
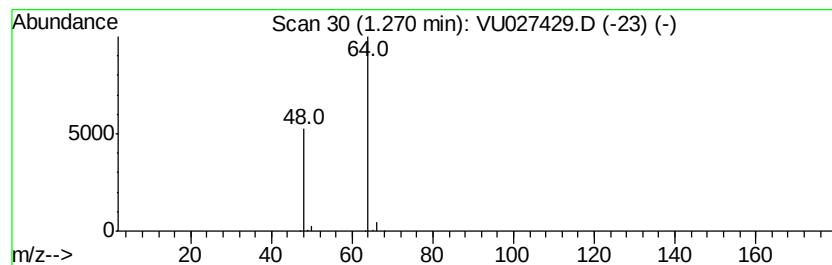
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-092718FD-W

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.27	174.00 ug/l	1098260	Pentafluorobenzene	4.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Sulfur dioxide	64 O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111 CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169 C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64 C2H2F2	000075-38-7	4
5	Ethyl Chloride	64 C2H5Cl	000075-00-3	3



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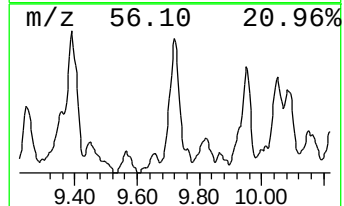
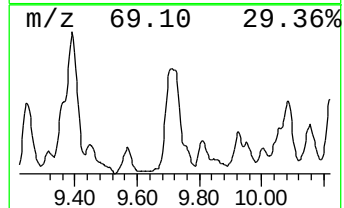
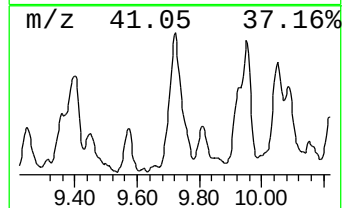
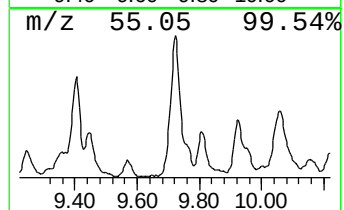
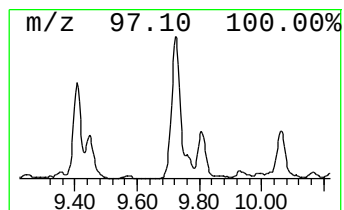
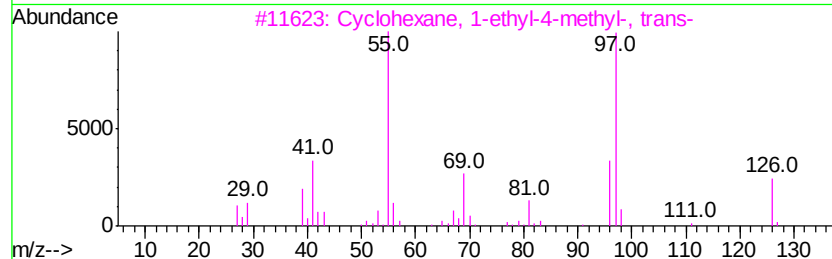
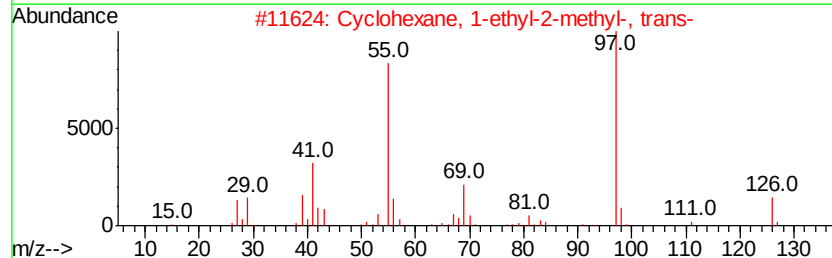
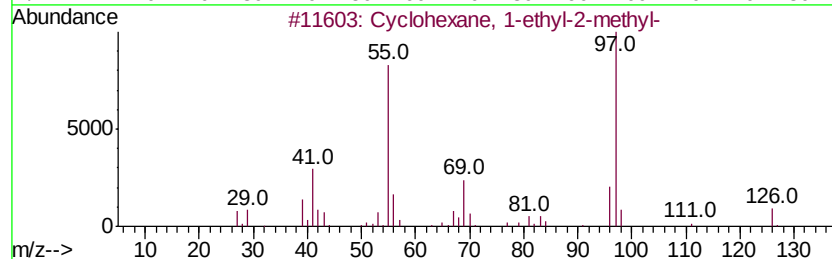
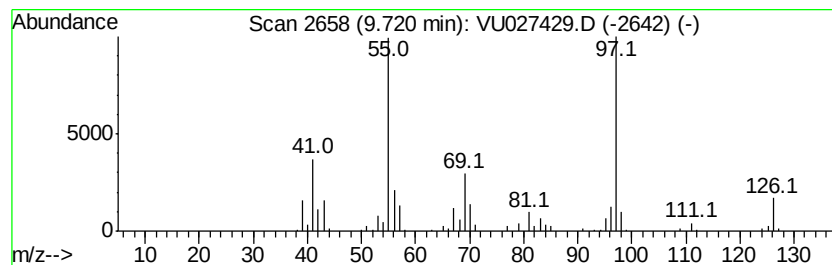
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	22.23 ug/l	262088	Chlorobenzene-d5	9.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	74
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72



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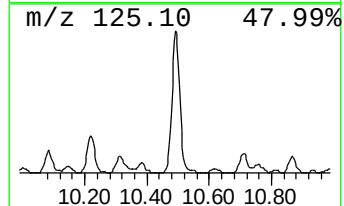
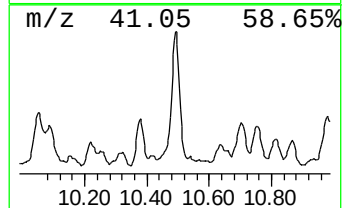
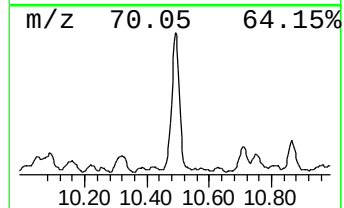
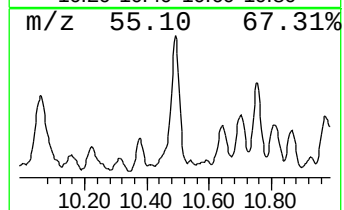
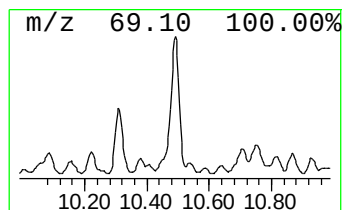
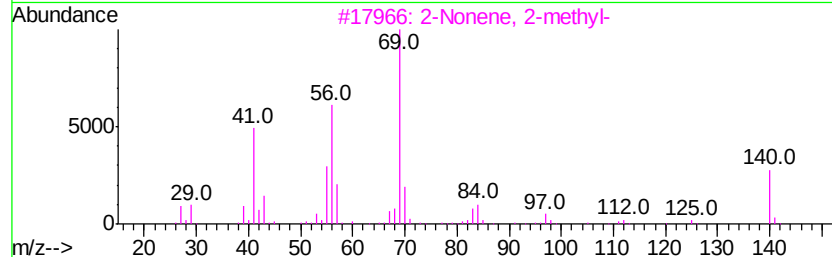
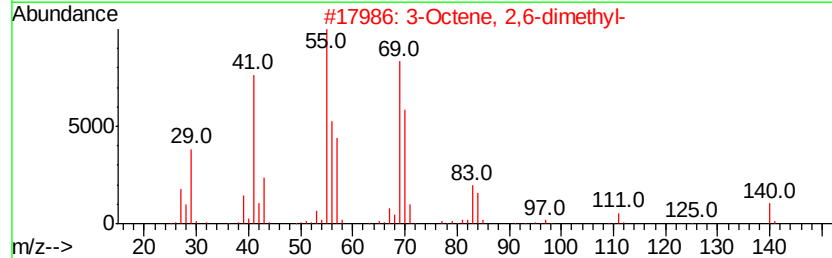
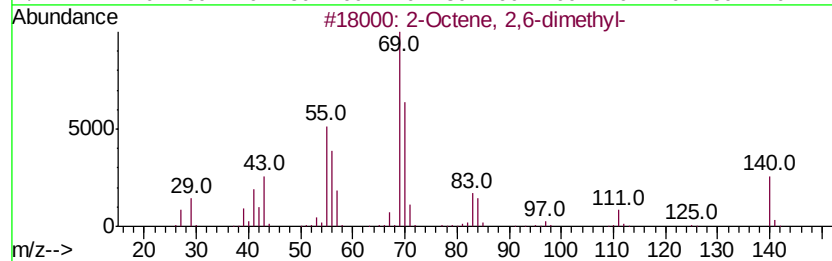
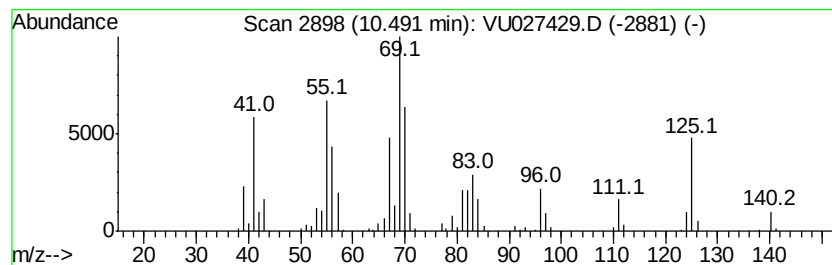
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Octene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	21.37 ug/l	297658	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Octene, 2,6-dimethyl-	140 C10H20	004057-42-5	60
2	3-Octene, 2,6-dimethyl-	140 C10H20	006874-28-8	49
3	2-Nonene, 2-methyl-	140 C10H20	002129-95-5	46
4	1R,2c,3t,4t-Tetramethyl-cyclohexane	140 C10H20	1000144-07-3	46
5	Cyclohexane, 1,1,2,3-tetramethyl-	140 C10H20	006783-92-2	38



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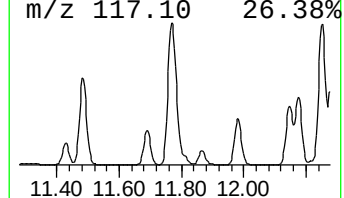
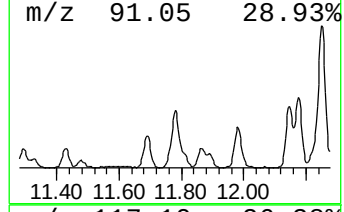
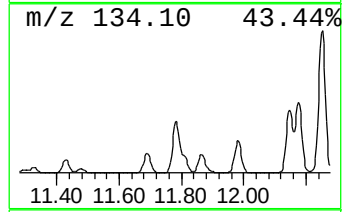
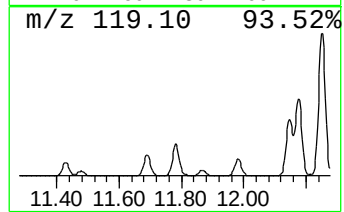
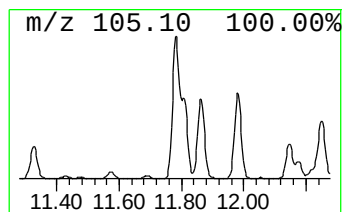
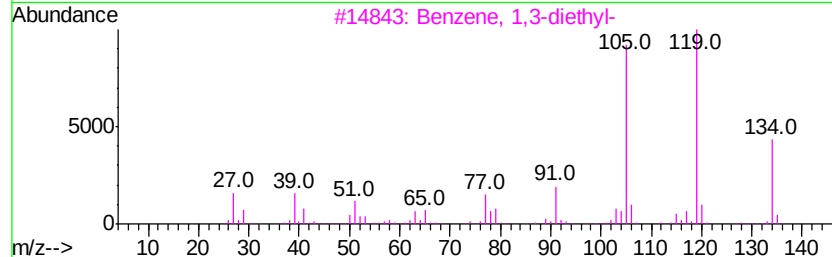
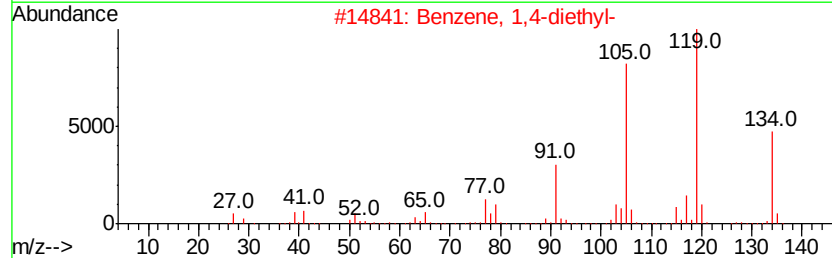
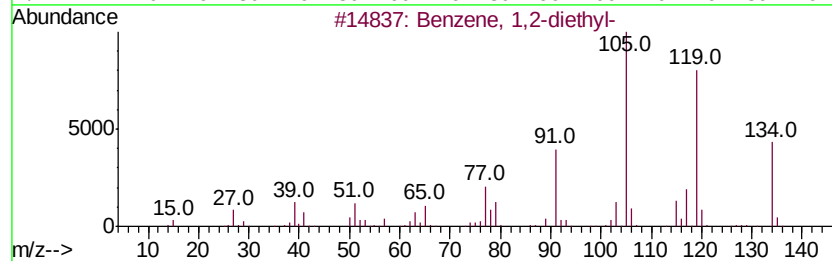
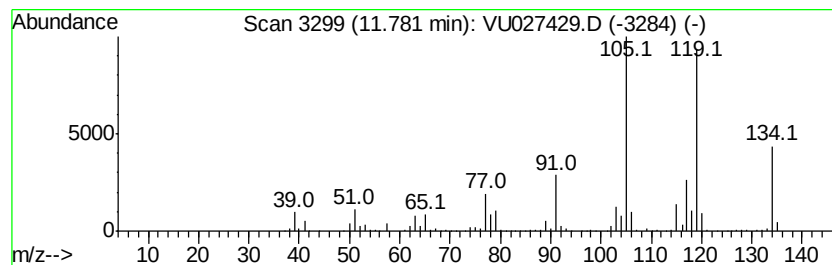
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-092718FD-W

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.78	48.47 ug/l	675208	1,4-Dichlorobenzene-d4	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	68
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027429.D
Acq On : 04 Oct 2018 23:30
Operator : MD/SY
Sample : J5165-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-092718FD-W

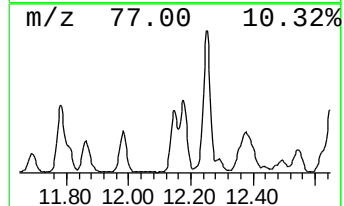
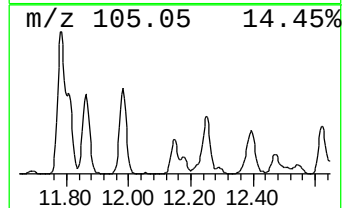
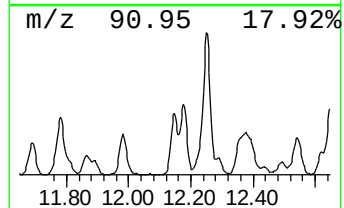
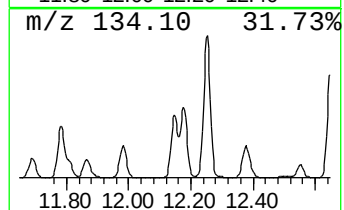
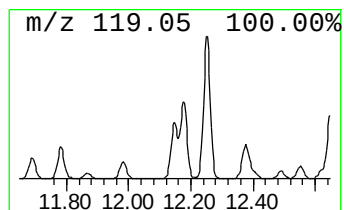
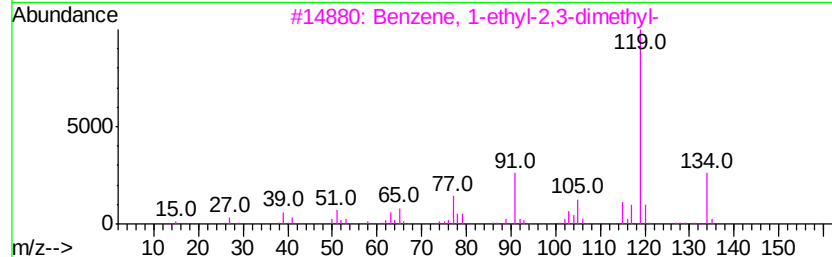
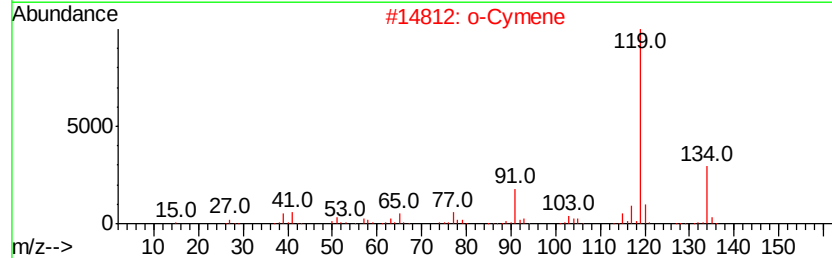
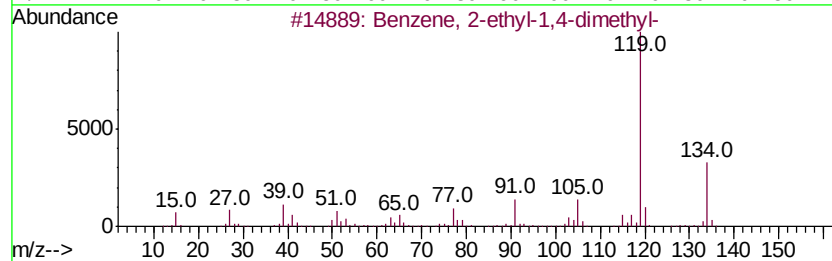
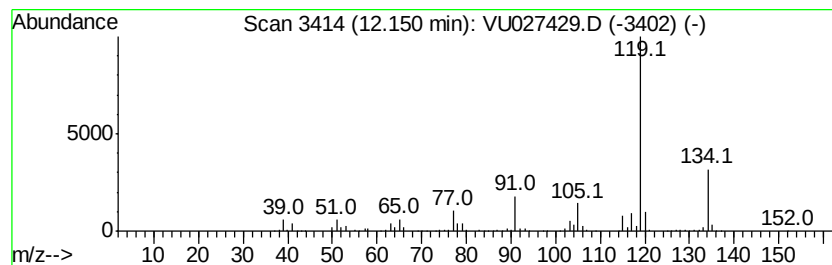
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	32.08 ug/l	446907	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027429.D
Acq On : 04 Oct 2018 23:30
Operator : MD/SY
Sample : J5165-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

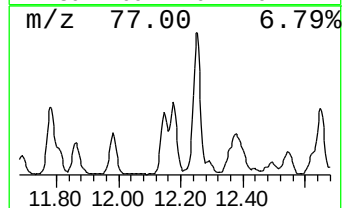
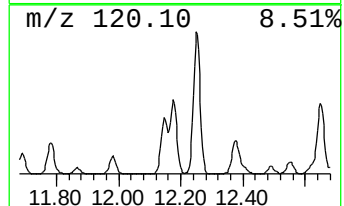
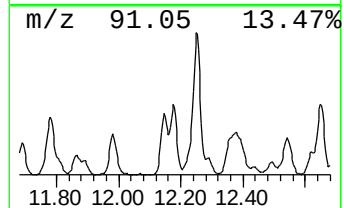
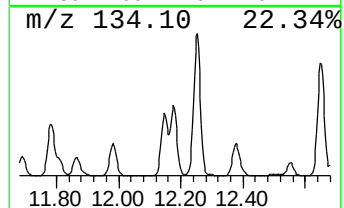
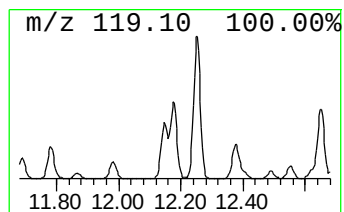
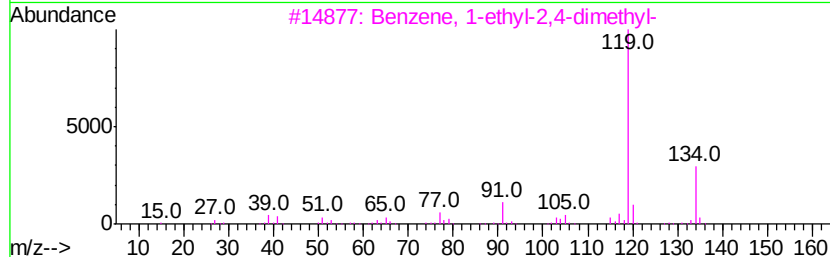
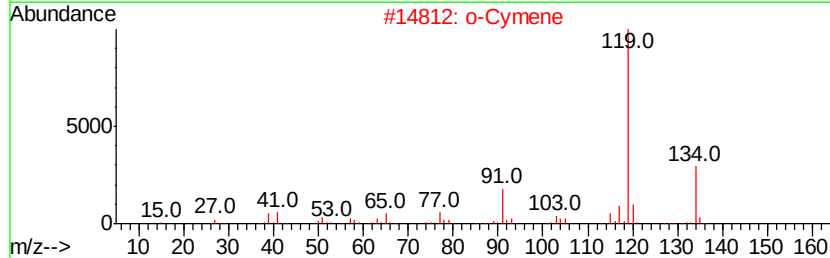
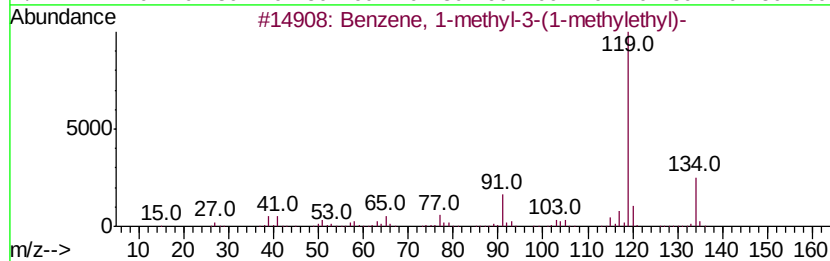
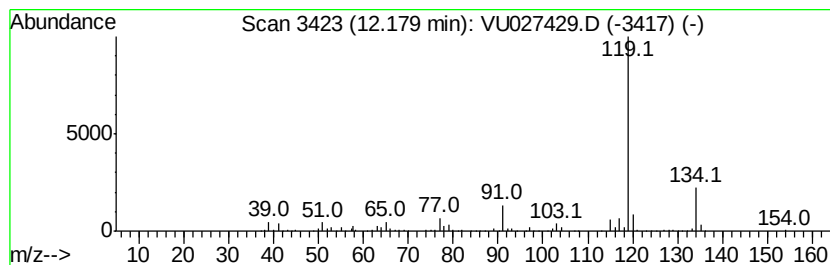
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-092718FD-W

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1-methyl-3-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	34.86 ug/l	485553	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3	97
2	o-Cymene	134 C10H14	000527-84-4	97
3	Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9	94
4	p-Cymene	134 C10H14	000099-87-6	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027429.D
Acq On : 04 Oct 2018 23:30
Operator : MD/SY
Sample : J5165-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-092718FD-W

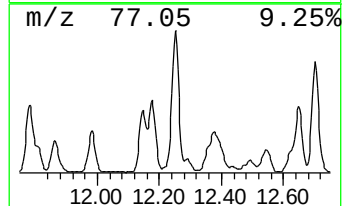
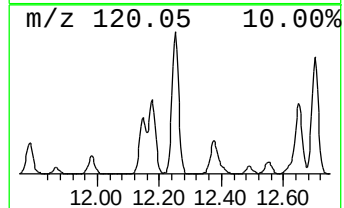
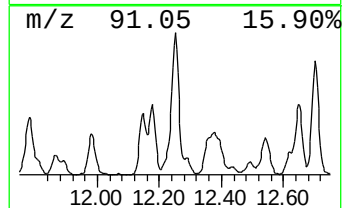
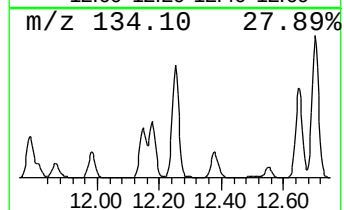
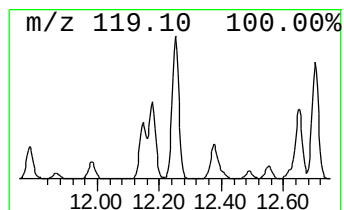
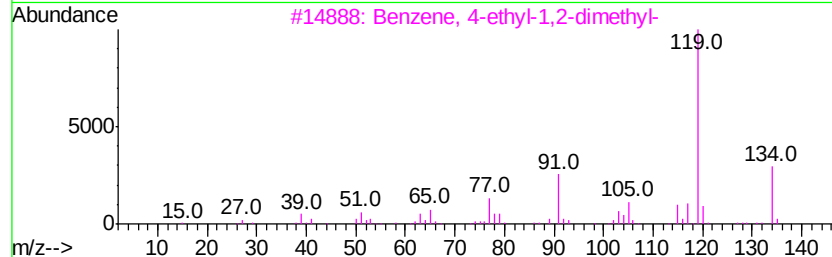
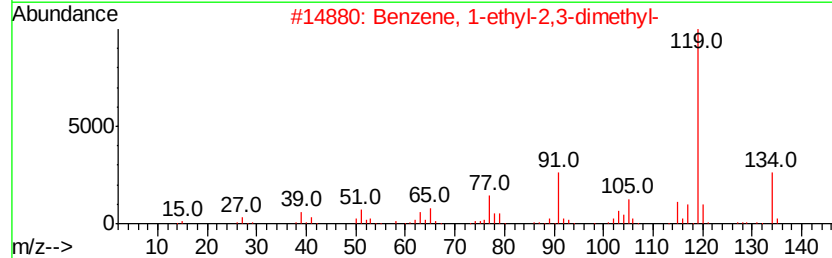
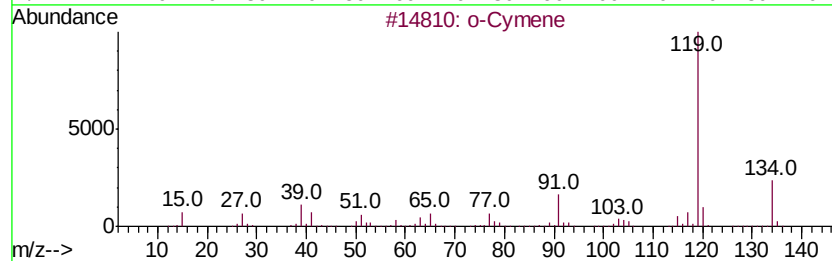
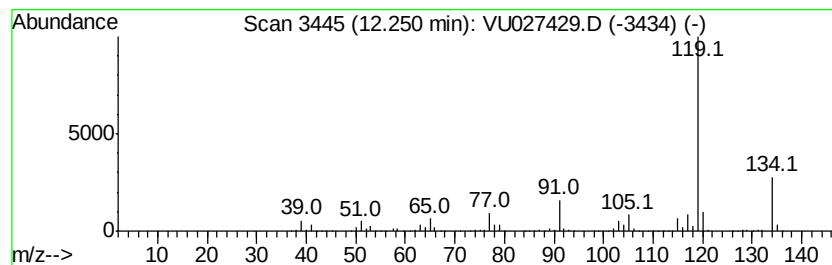
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Quant Title : SW846 8260

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

Peak Number 7 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	73.63 ug/l	1025670	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5		p-Cymene	134	C10H14	000099-87-6	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027429.D
Acq On : 04 Oct 2018 23:30
Operator : MD/SY
Sample : J5165-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-092718FD-W

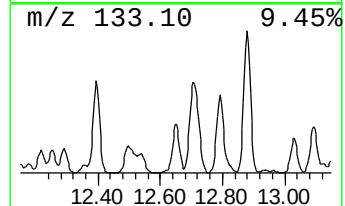
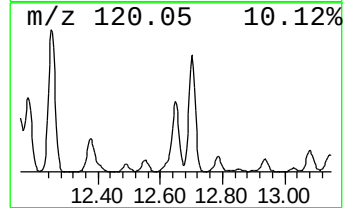
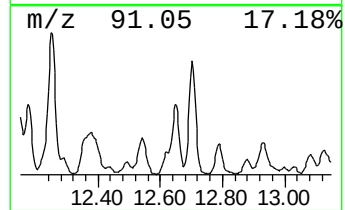
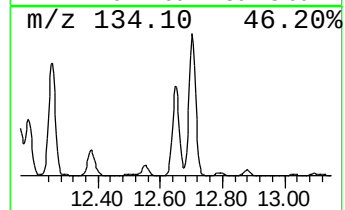
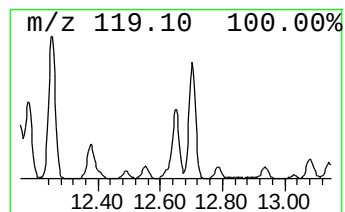
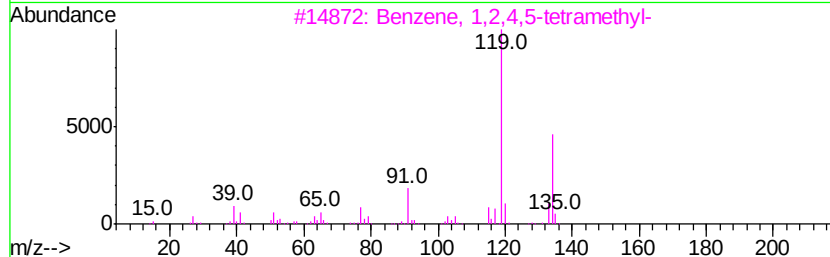
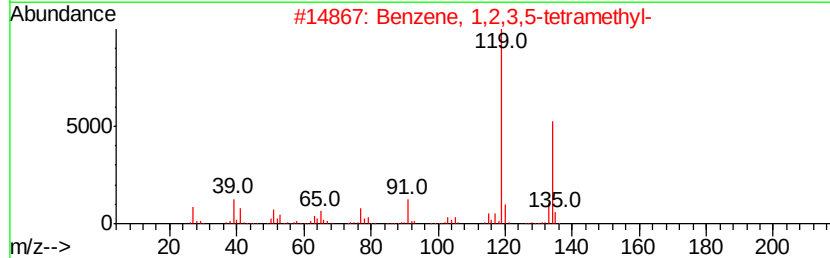
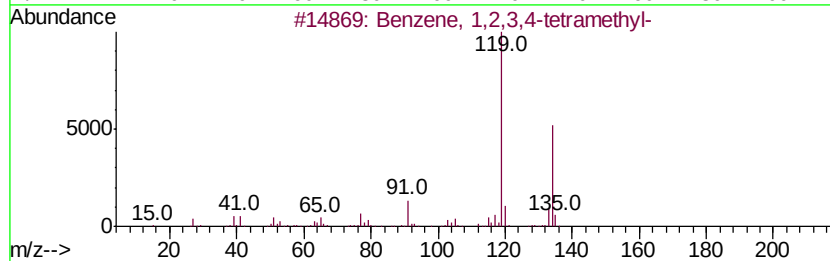
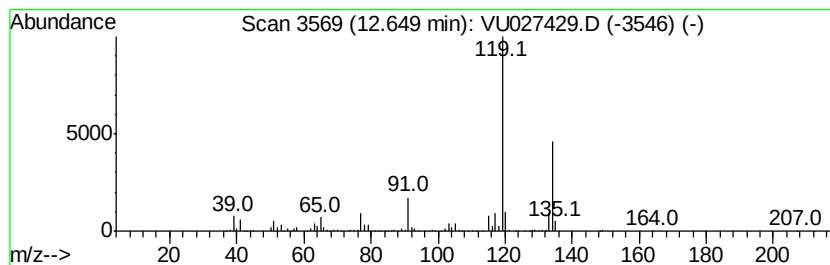
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	55.11 ug/l	767691	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
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\VU100418\
Data File : VU027429.D
Acq On : 04 Oct 2018 23:30
Operator : MD/SY
Sample : J5165-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-092718FD-W

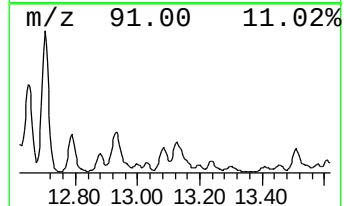
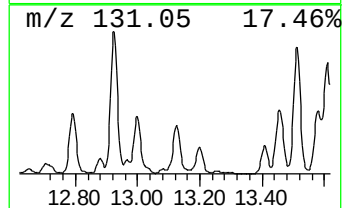
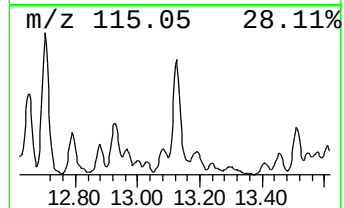
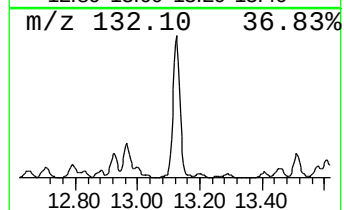
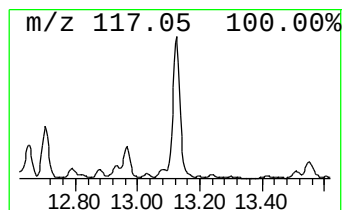
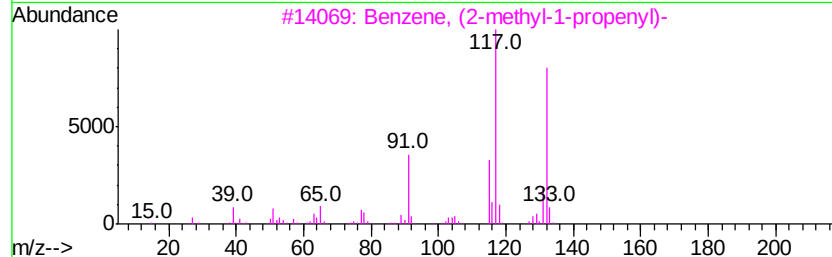
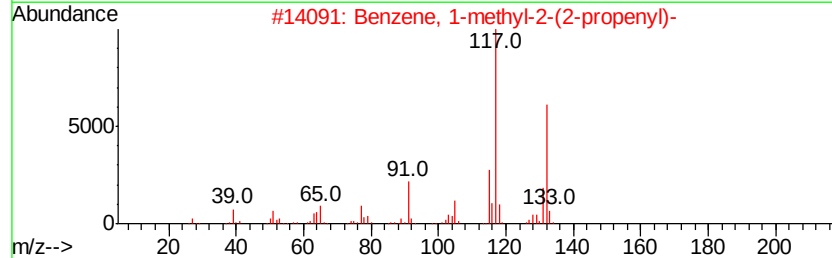
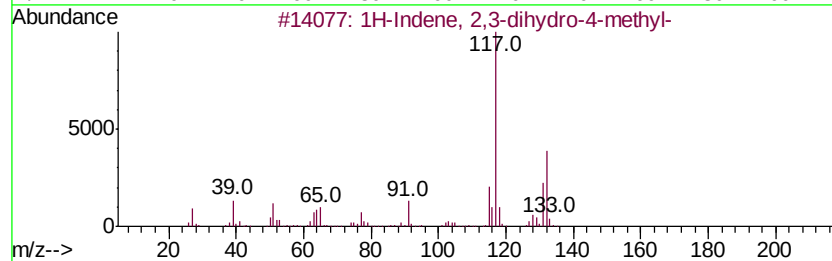
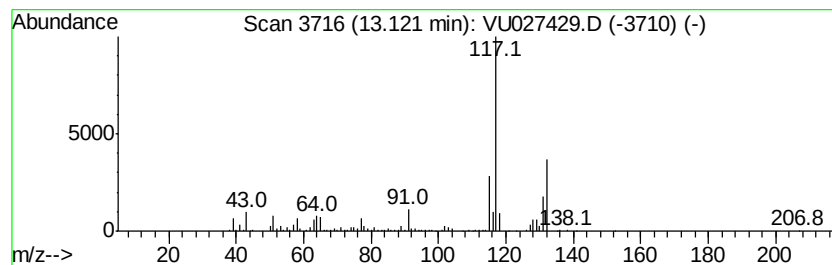
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	25.55 ug/l	355855	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027429.D
Acq On : 04 Oct 2018 23:30
Operator : MD/SY
Sample : J5165-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-092718FD-W

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.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
Sulfur dioxide	1.27	174.0	ug/l	1098260	1	4.99	315591	50.0
Cyclohexane, 1-et...	9.72	22.2	ug/l	262088	3	9.09	589525	50.0
2-Octene, 2,6-dim...	10.49	21.4	ug/l	297658	4	11.48	696458	50.0
Benzene, 1,2-diet...	11.78	48.5	ug/l	675208	4	11.48	696458	50.0
Benzene, 2-ethyl-...	12.15	32.1	ug/l	446907	4	11.48	696458	50.0
Benzene, 1-methyl...	12.18	34.9	ug/l	485553	4	11.48	696458	50.0
o-Cymene	12.25	73.6	ug/l	1025670	4	11.48	696458	50.0
Benzene, 1,2,3,4-...	12.65	55.1	ug/l	767691	4	11.48	696458	50.0
1H-Indene, 2,3-di...	13.12	25.6	ug/l	355855	4	11.48	696458	50.0