

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100618\
 Data File : VN051715.D
 Acq On : 6 Oct 2018 3:21
 Operator : MD\SY
 Sample : J5165-04 40X
 Misc : 6.04g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 45 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-G-092718(7-10)

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_N\METHODS\82N100418W.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	7.593	1791	1810	1821	rBV	495130	1234023	25.48%	1.500%
2	7.667	1821	1833	1855	rVB	762052	1804713	37.26%	2.193%
3	8.030	1928	1946	1979	rBV	465890	1122109	23.17%	1.364%
4	8.587	2101	2119	2145	rBV	1034821	2172061	44.85%	2.639%
5	10.091	2573	2587	2617	rBV	1889205	3581923	73.95%	4.353%
6	10.432	2685	2693	2707	rVB3	45906	88258	1.82%	0.107%
7	10.532	2707	2724	2732	rBV7	27872	63594	1.31%	0.077%
8	10.718	2771	2782	2794	rVB2	139002	233650	4.82%	0.284%
9	10.821	2800	2814	2826	rBV2	68984	154617	3.19%	0.188%
10	11.008	2857	2872	2882	rBV	344538	668867	13.81%	0.813%
11	11.059	2883	2888	2896	rVV3	51170	80812	1.67%	0.098%
12	11.124	2896	2908	2916	rVV5	177338	347632	7.18%	0.422%
13	11.207	2916	2934	2951	rVB6	226712	721661	14.90%	0.877%
14	11.300	2951	2963	2973	rBV	307663	538073	11.11%	0.654%
15	11.410	2984	2997	3015	rBV	1414604	2595965	53.60%	3.155%
16	11.542	3030	3038	3045	rBV	123428	190882	3.94%	0.232%
17	11.593	3045	3054	3063	rVV6	187831	395995	8.18%	0.481%
18	11.654	3064	3073	3081	rVV	474421	903349	18.65%	1.098%
19	11.696	3082	3086	3097	rVB3	324363	502510	10.37%	0.611%
20	11.760	3097	3106	3112	rBV3	103596	183264	3.78%	0.223%
21	11.850	3127	3134	3143	rVB3	193177	297561	6.14%	0.362%
22	11.924	3143	3157	3169	rBV5	744519	1782259	36.80%	2.166%
23	11.979	3170	3174	3179	rVV2	85499	94146	1.94%	0.114%
24	12.043	3186	3194	3203	rVB	1210105	1658897	34.25%	2.016%
25	12.120	3210	3218	3223	rBV4	657201	1054079	21.76%	1.281%
26	12.156	3224	3229	3238	rVB4	886983	1326767	27.39%	1.612%
27	12.297	3266	3273	3279	rBV6	425181	662792	13.68%	0.805%
28	12.336	3279	3285	3295	rVB	1280941	2014377	41.59%	2.448%
29	12.403	3295	3306	3317	rBV2	1526286	2724717	56.26%	3.311%
30	12.490	3318	3333	3340	rBV7	339029	964070	19.90%	1.172%
31	12.561	3347	3355	3371	rVB3	1224644	2690627	55.55%	3.270%
32	12.644	3371	3381	3390	rBV5	513587	1085123	22.40%	1.319%
33	12.728	3393	3407	3416	rVV5	1634371	4368242	90.19%	5.308%
34	12.779	3418	3423	3433	rVB3	943866	1450186	29.94%	1.762%

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35	12.869	3444	3451	3458	rBV4	516220	726915	15.01%	0.883%
36	12.963	3473	3480	3493	rVB2	2371611	3880542	80.12%	4.716%
37	13.040	3494	3504	3514	rBV	2945808	4843479	100.00%	5.886%
38	13.169	3531	3544	3552	rVB6	831784	1971312	40.70%	2.395%
39	13.236	3553	3565	3574	rBV4	2533978	4809291	99.29%	5.844%
40	13.342	3590	3598	3624	rVB2	1663421	3879940	80.11%	4.715%
41	13.541	3647	3660	3669	rVB2	1778203	3627197	74.89%	4.408%
42	13.596	3669	3677	3689	rBV3	805891	1874161	38.69%	2.277%
43	13.664	3689	3698	3708	rVV5	1411356	2546069	52.57%	3.094%
44	13.802	3735	3741	3745	rBV2	690198	964051	19.90%	1.171%
45	13.834	3746	3751	3760	rVV2	1258797	1879091	38.80%	2.283%
46	13.889	3761	3768	3777	rVB2	1481413	2338866	48.29%	2.842%
47	13.995	3792	3801	3810	rVB2	1464525	2400844	49.57%	2.917%
48	14.053	3811	3819	3833	rBV7	305009	859664	17.75%	1.045%
49	14.127	3836	3842	3849	rBV2	401033	554490	11.45%	0.674%
50	14.175	3850	3857	3864	rBV6	475732	854226	17.64%	1.038%
51	14.249	3874	3880	3888	rVB	880030	1253453	25.88%	1.523%
52	14.294	3888	3894	3900	rBV2	335822	437110	9.02%	0.531%
53	14.332	3901	3906	3913	rVB3	295949	352279	7.27%	0.428%
54	14.480	3946	3952	3959	rBV5	102866	159039	3.28%	0.193%
55	14.525	3960	3966	3974	rVB	260074	366164	7.56%	0.445%
56	14.583	3974	3984	3997	rVB4	739011	1401760	28.94%	1.703%
57	14.648	3997	4004	4015	rVB3	142431	236835	4.89%	0.288%
58	14.853	4062	4068	4073	rBV4	75063	97586	2.01%	0.119%
59	14.956	4093	4100	4118	rVB3	103908	220141	4.55%	0.268%

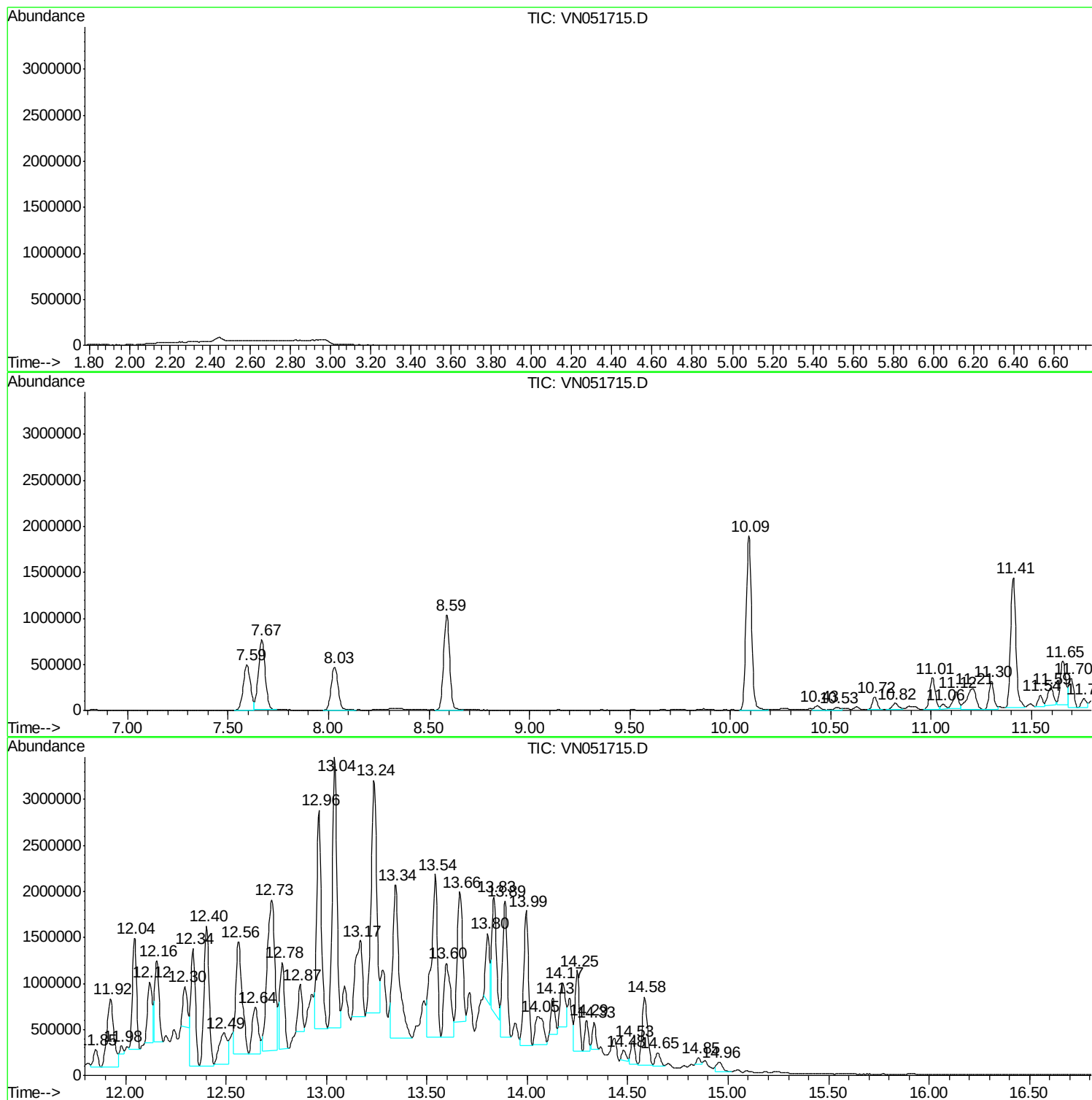
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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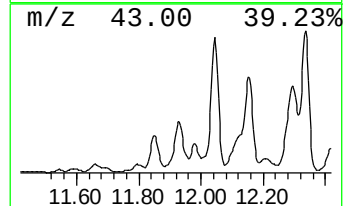
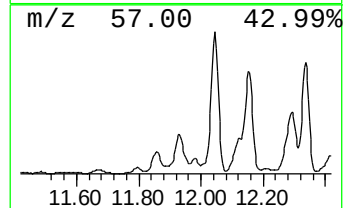
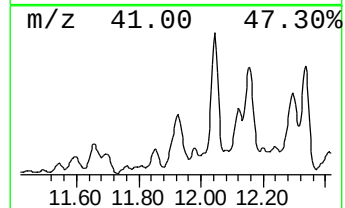
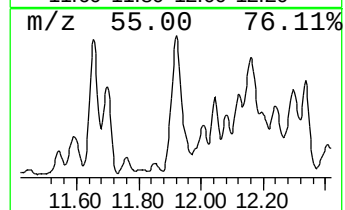
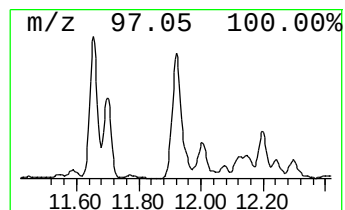
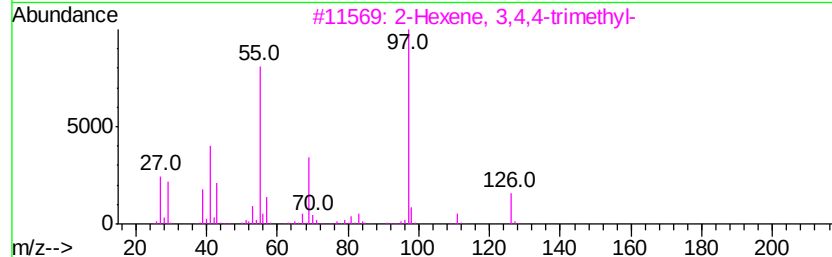
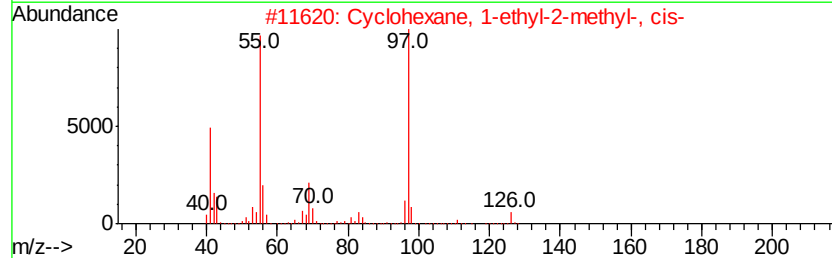
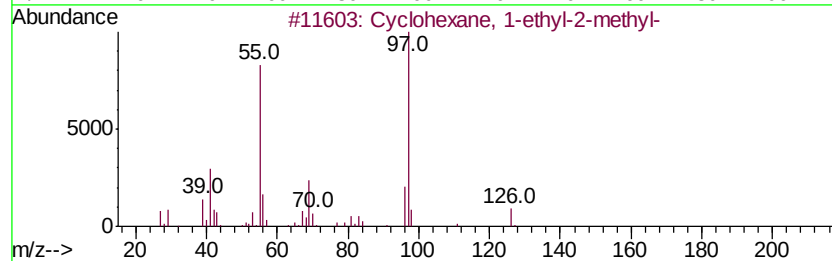
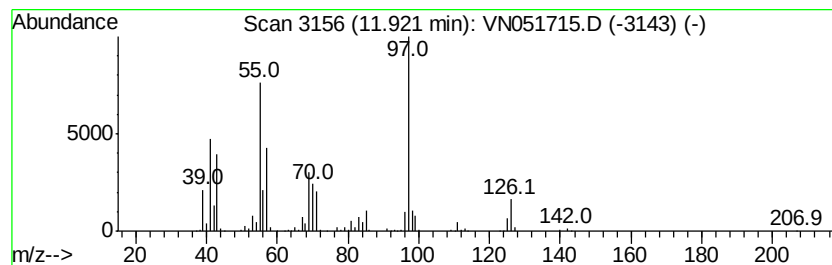
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	34.33 ug/l	1782260	Chlorobenzene-d5	11.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	53
3	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	53
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50



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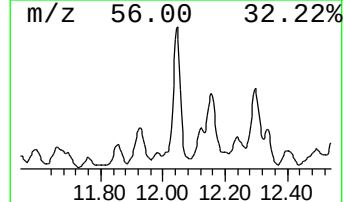
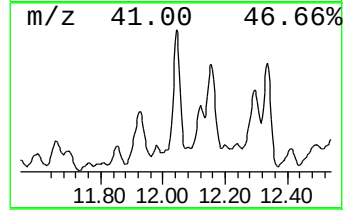
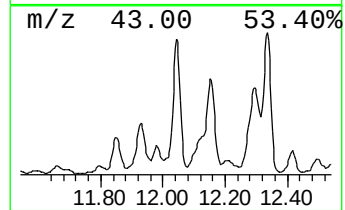
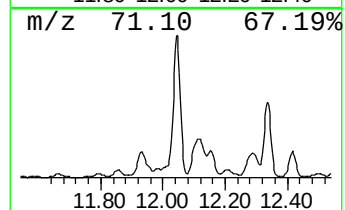
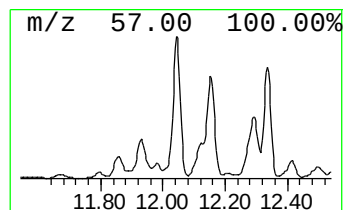
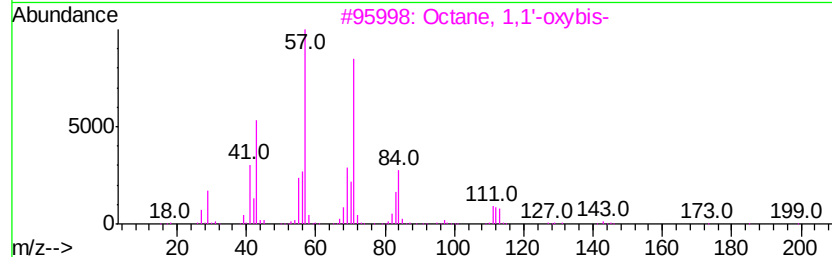
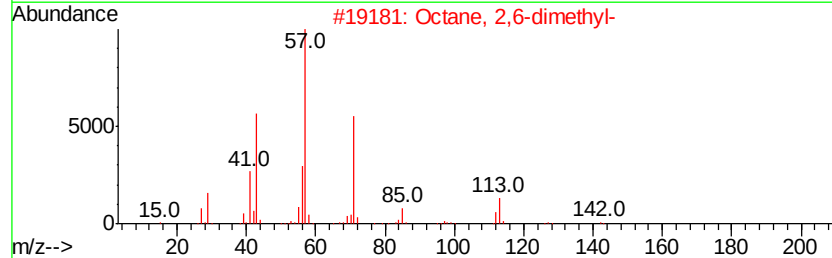
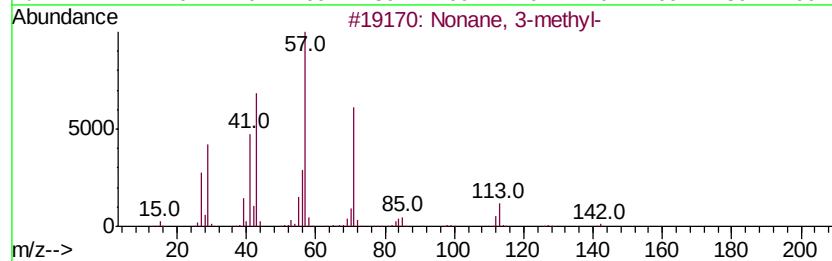
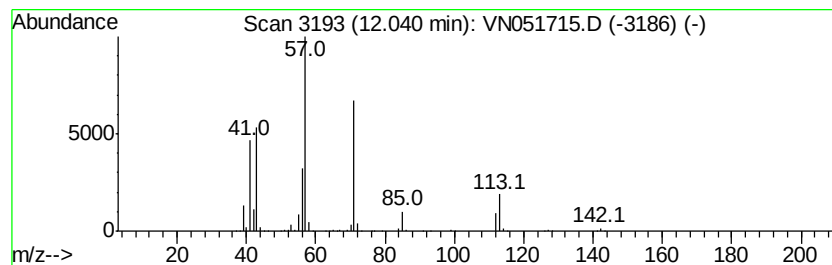
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Nonane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	31.95 ug/l	1658900	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 3-methyl-	142 C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	90
3	Octane, 1,1'-oxybis-	242 C16H34O	000629-82-3	64
4	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	64
5	Heptane, 2,6-dimethyl-	128 C9H20	001072-05-5	53



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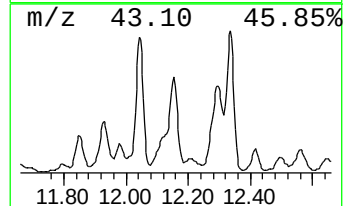
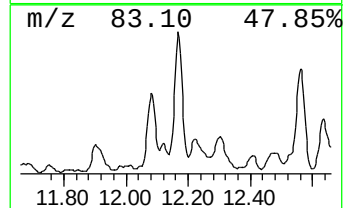
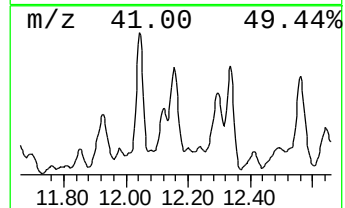
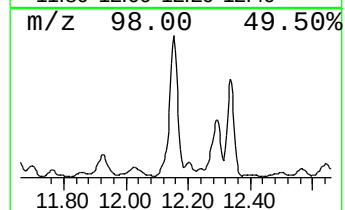
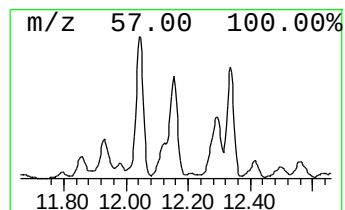
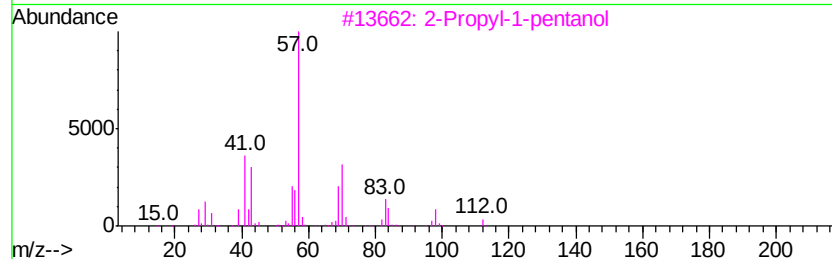
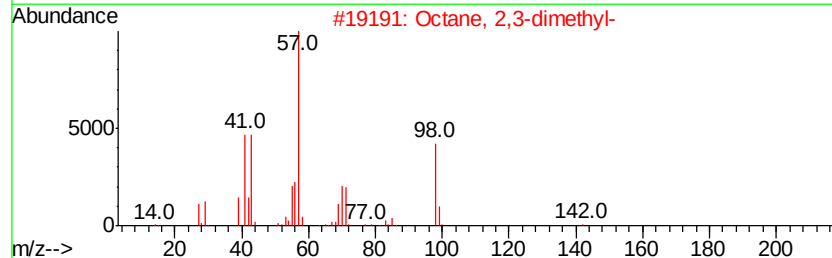
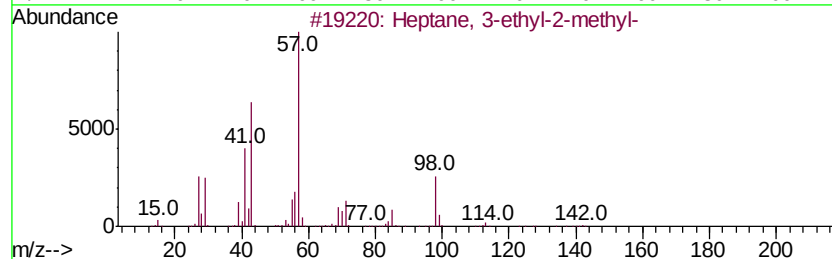
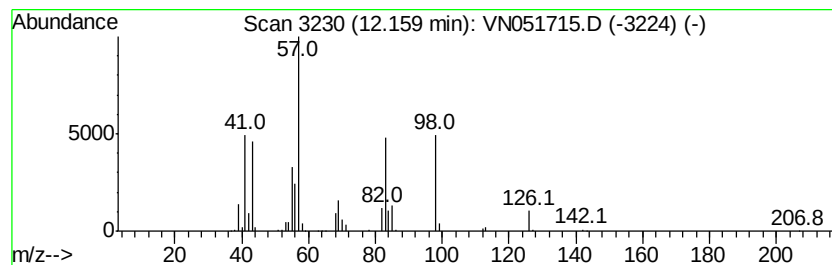
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Heptane, 3-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	25.55 ug/l	1326770	Chlorobenzene-d5	11.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
2		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	52
3		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	38
4		Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	38
5		Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	38



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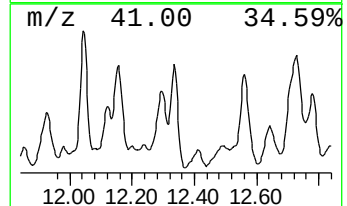
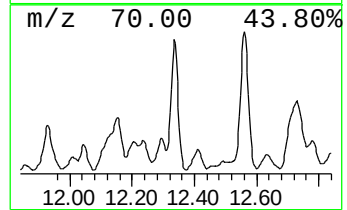
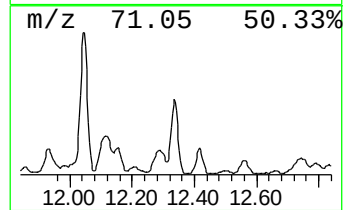
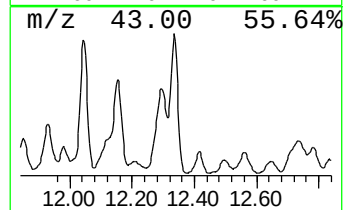
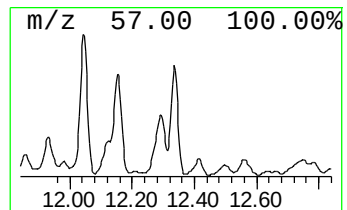
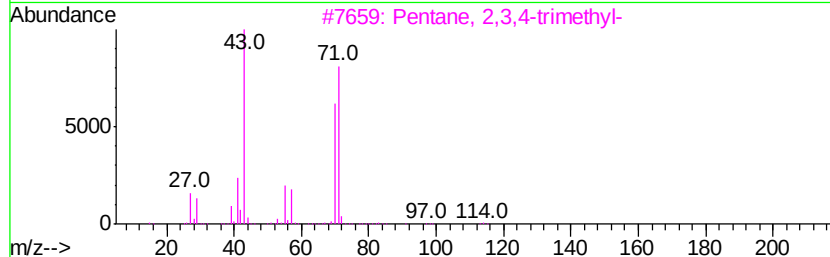
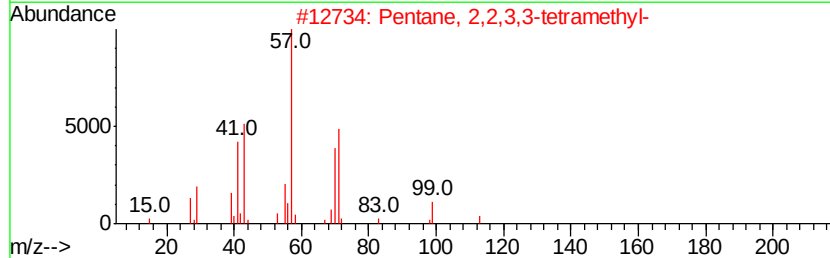
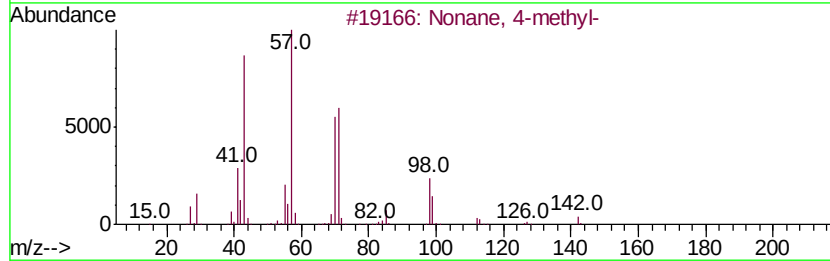
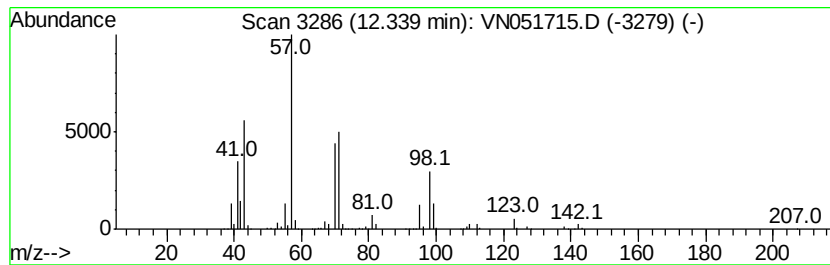
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Peak Number 4 Nonane, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	38.80 ug/l	2014380	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 4-methyl-	142 C10H22	017301-94-9	64
2	Pentane, 2,2,3,3-tetramethyl-	128 C9H20	007154-79-2	53
3	Pentane, 2,3,4-trimethyl-	114 C8H18	000565-75-3	47
4	Octane, 3,5-dimethyl-	142 C10H22	015869-93-9	43
5	Pentane, 3-ethyl-	100 C7H16	000617-78-7	43



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ClientSampleId :
EP1-MW-G-092718(7-10)

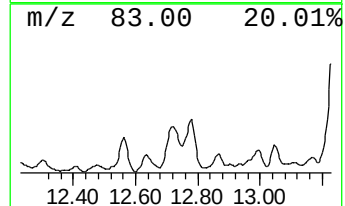
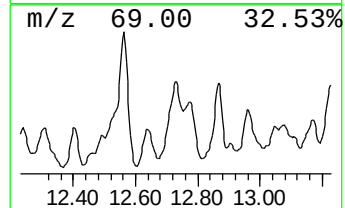
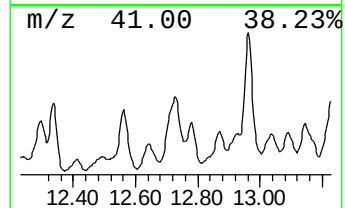
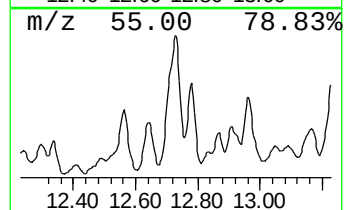
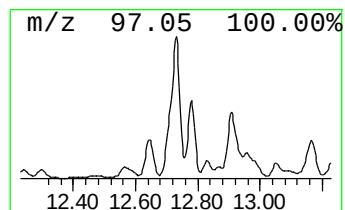
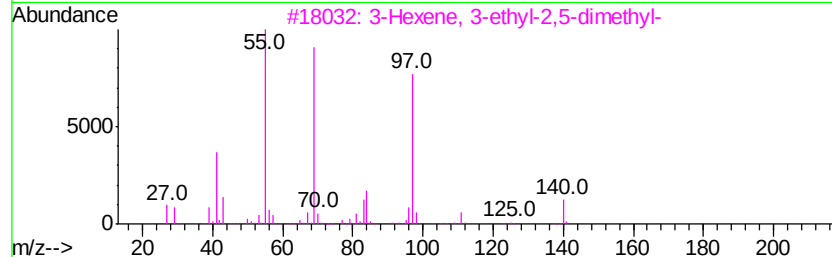
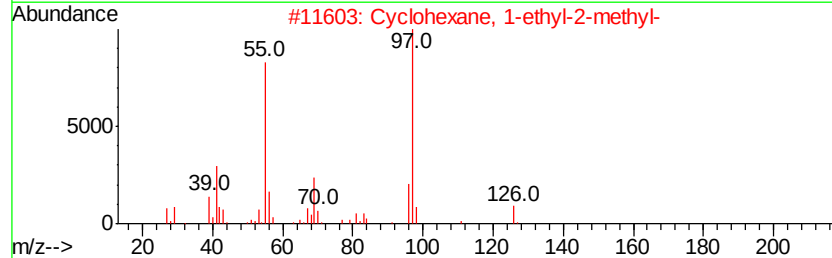
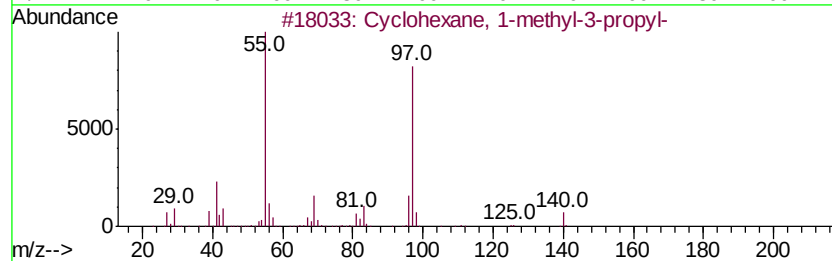
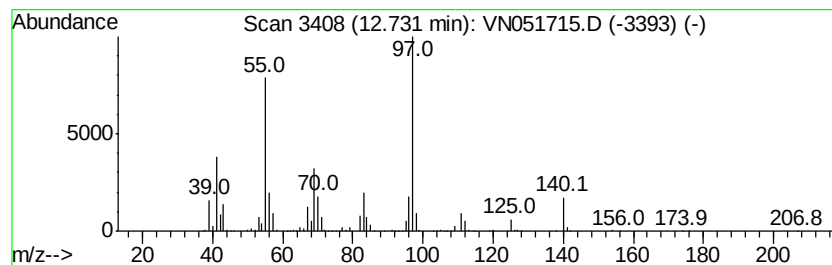
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Quant Title : SW846 8260

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

Peak Number 5 Cyclohexane, 1-methyl-3-pro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	56.29 ug/l	4368240	1,4-Dichlorobenzene-d4	13.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59
3		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	53
4		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	50
5		4-Propylcyclohexanone	140	C9H16O	040649-36-3	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN100618\
Data File : VN051715.D
Acq On : 6 Oct 2018 3:21
Operator : MD\SY
Sample : J5165-04 40X
Misc : 6.04u/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 45 Sample Multiplier: 28

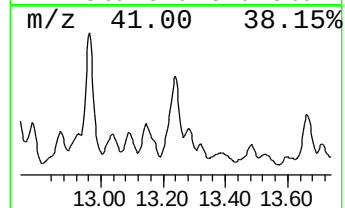
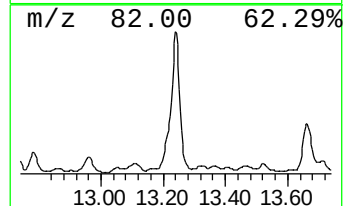
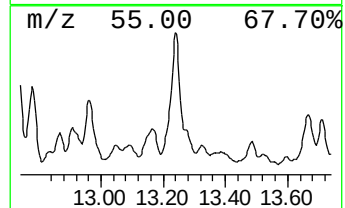
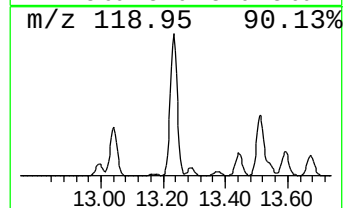
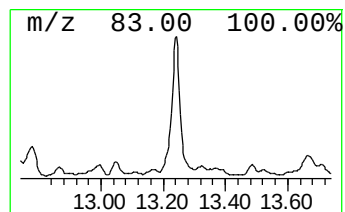
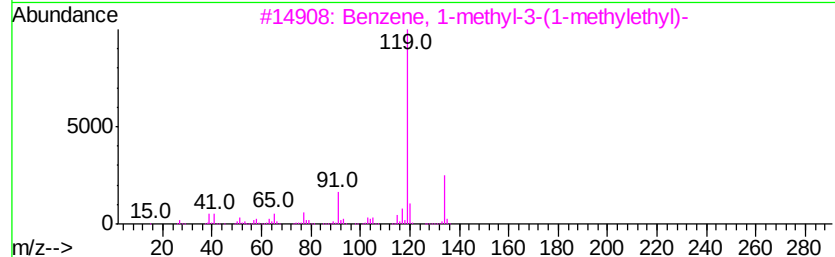
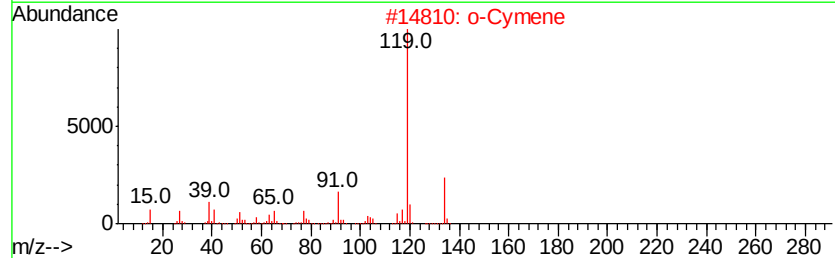
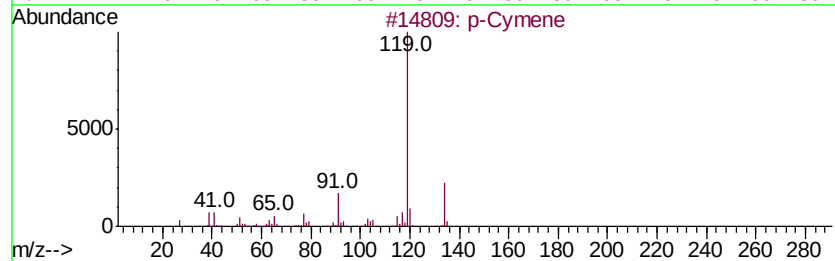
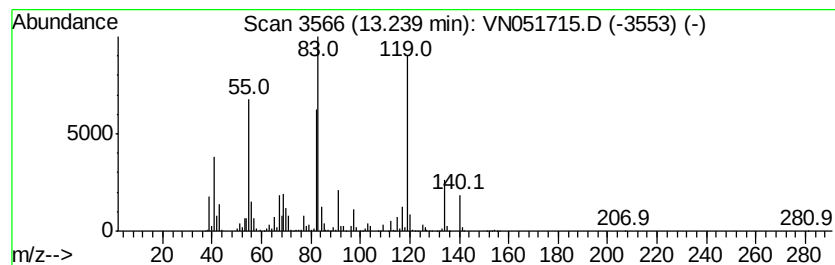
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-G-092718(7-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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

Peak Number 6 p-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	61.98 ug/l	4809290	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	p-Cymene	134 C10H14	000099-87-6	86
2	o-Cymene	134 C10H14	000527-84-4	86
3	Benzene, 1-methyl-3-(1-methylethyl-)	134 C10H14	000535-77-3	83
4	Cyclohexane, pentyl-	154 C11H22	004292-92-6	50
5	Cyclohexane, butyl-	140 C10H20	001678-93-9	50



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
Data File : VN051715.D
Acq On : 6 Oct 2018 3:21
Operator : MD\SY
Sample : J5165-04 40X
Misc : 6.04g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 45 Sample Multiplier: 28

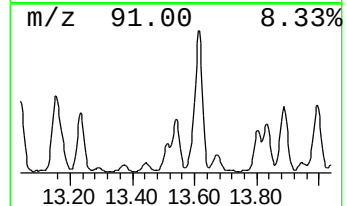
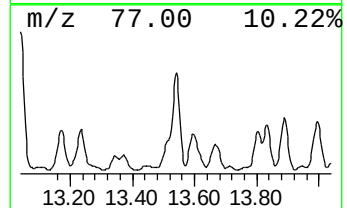
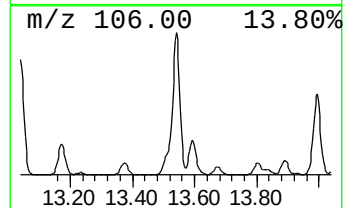
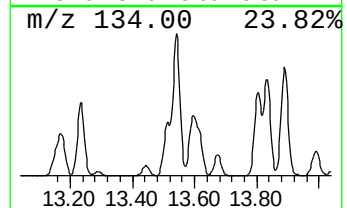
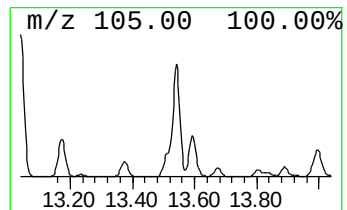
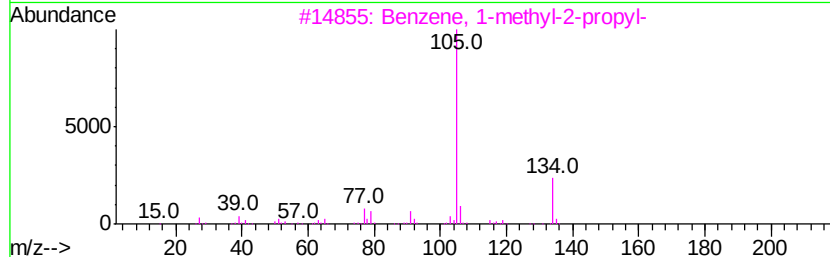
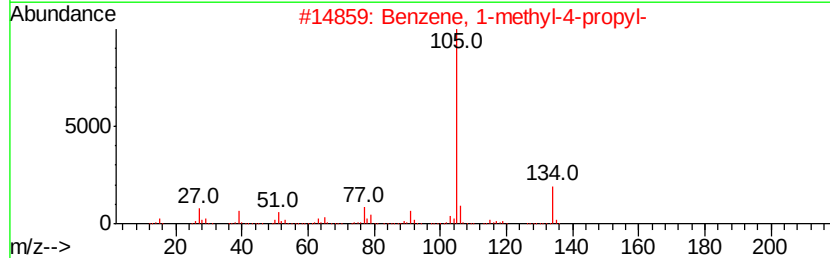
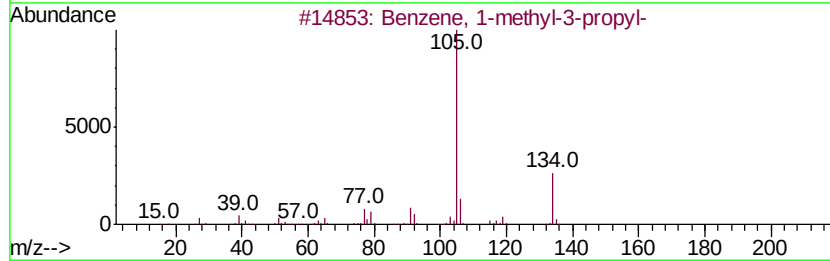
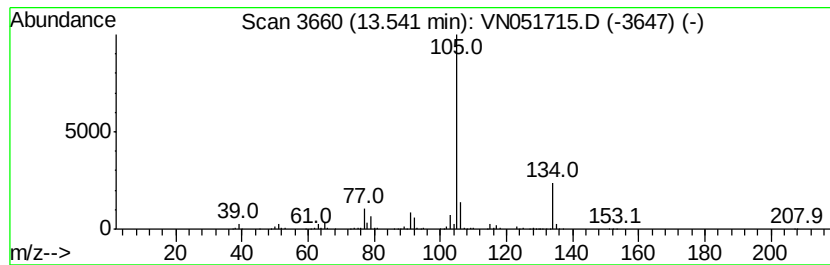
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ClientSampleId :
EP1-MW-G-092718(7-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-methyl-3-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	46.74 ug/l	3627200	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-3-propyl-	134 C10H14	001074-43-7 91
2		Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1 90
3		Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5 90
4		Benzene, (1-methylpropyl)-	134 C10H14	000135-98-8 86
5		2-Tolylloxirane	134 C9H10O	002783-26-8 72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100618\
Data File : VN051715.D
Acq On : 6 Oct 2018 3:21
Operator : MD\SY
Sample : J5165-04 40X
Misc : 6.04g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 45 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-G-092718(7-10)

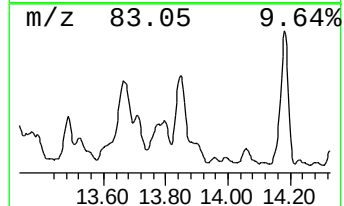
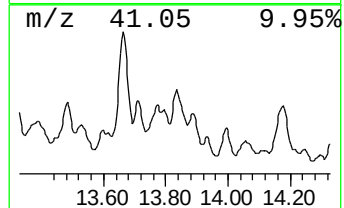
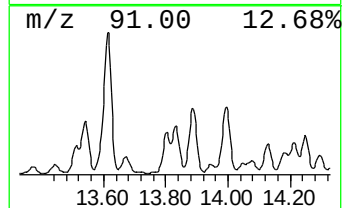
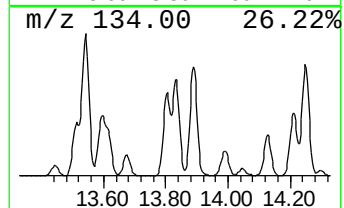
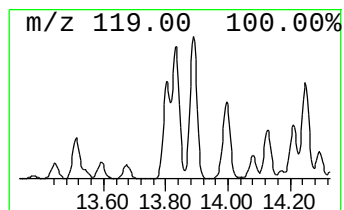
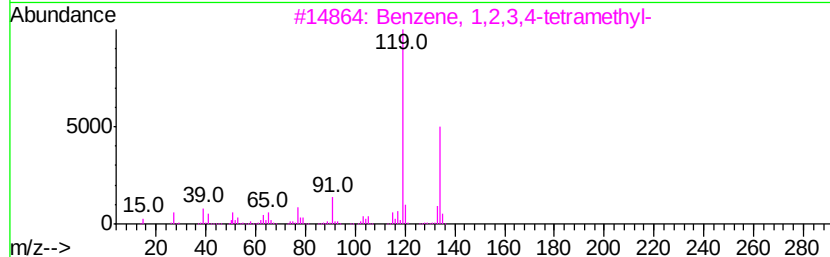
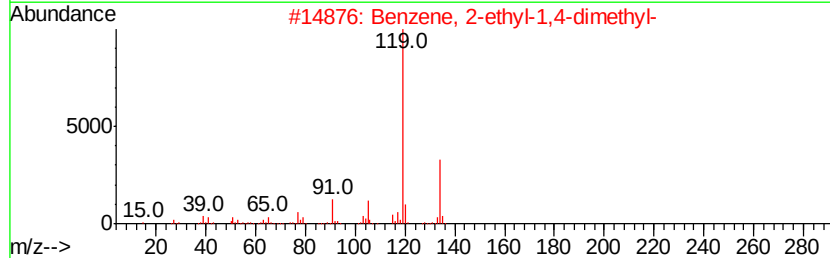
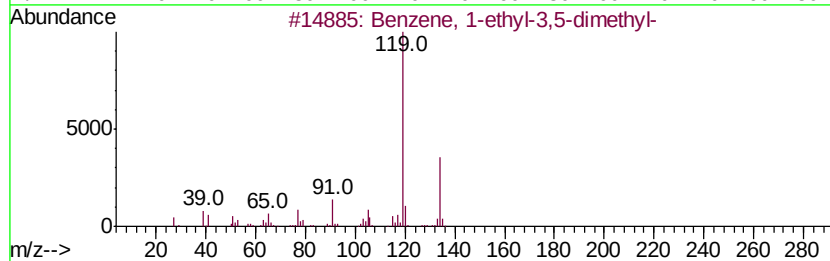
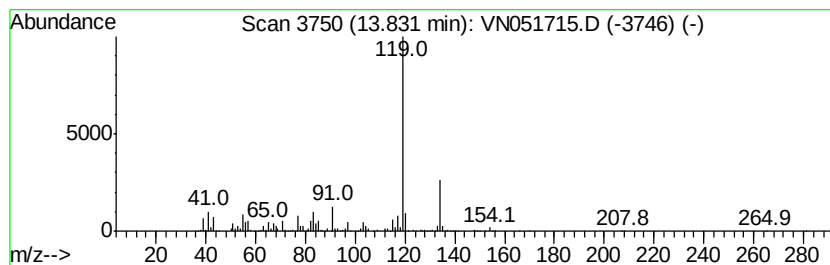
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	24.22 ug/l	1879090	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
5		o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
Data File : VN051715.D
Acq On : 6 Oct 2018 3:21
Operator : MD\SY
Sample : J5165-04 40X
Misc : 6.04µ/5.00mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 45 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-G-092718(7-10)

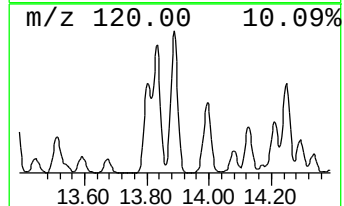
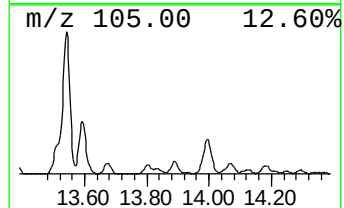
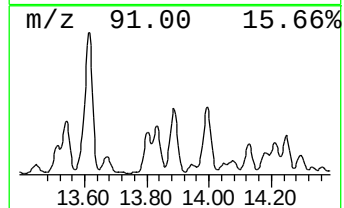
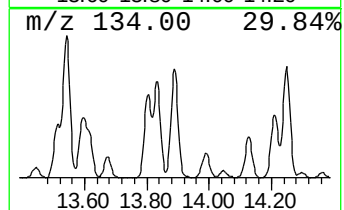
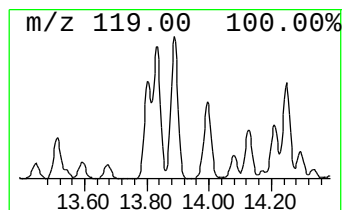
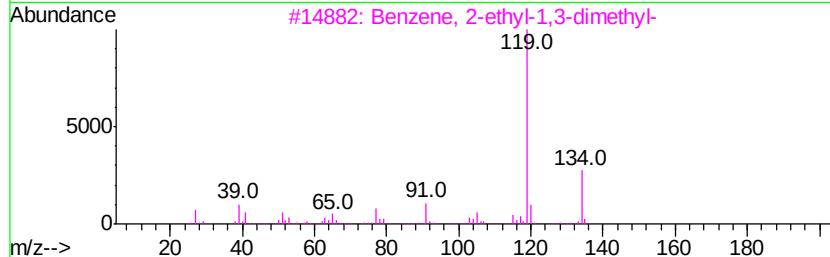
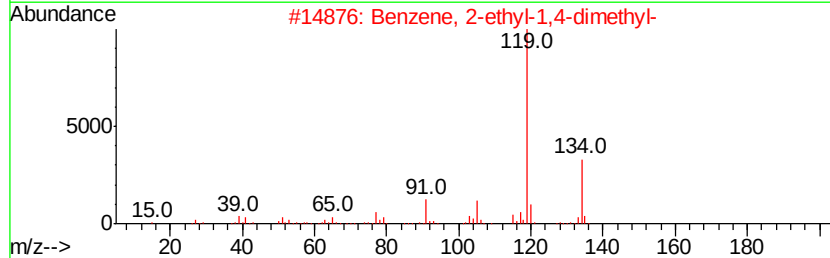
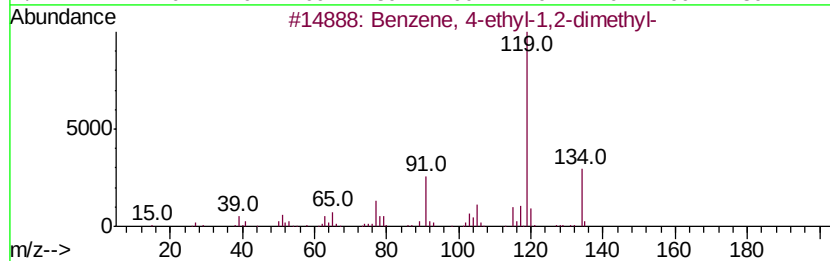
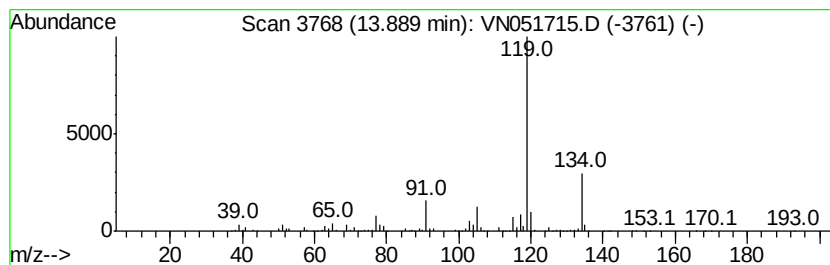
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	30.14 ug/l	2338870	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100618\
Data File : VN051715.D
Acq On : 6 Oct 2018 3:21
Operator : MD\SY
Sample : J5165-04 40X
Misc : 6.04µ/5.00mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 45 Sample Multiplier: 28

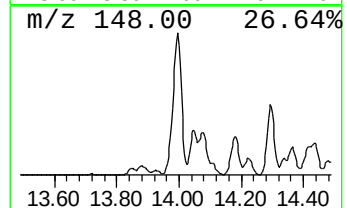
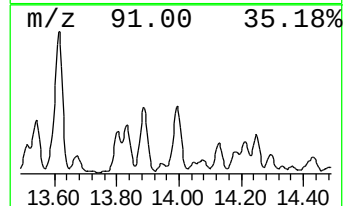
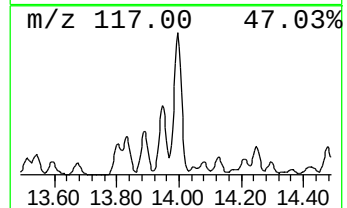
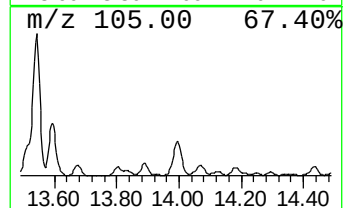
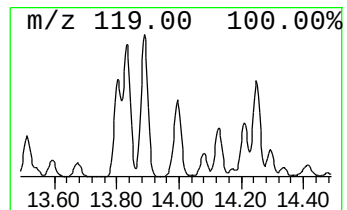
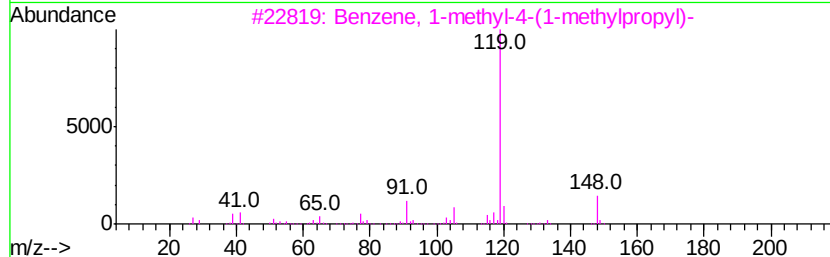
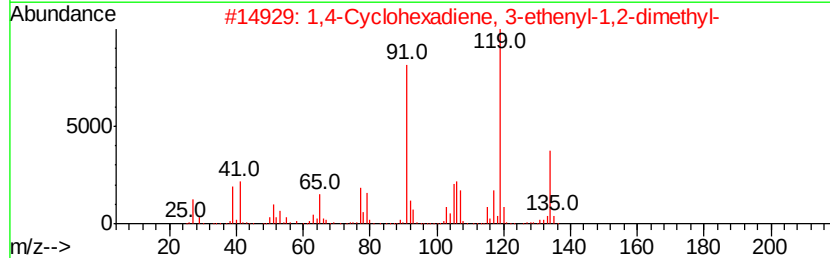
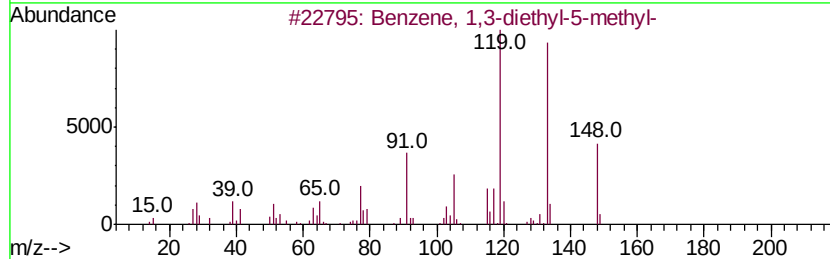
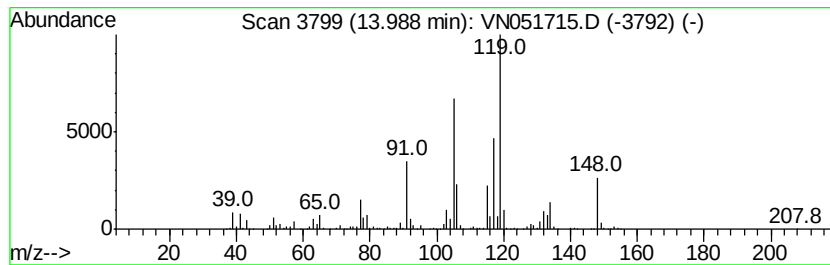
Instrument :
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ClientSampleId :
EP1-MW-G-092718(7-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	30.94 ug/l	2400840	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0	50
2	1,4-Cyclohexadiene, 3-ethenyl-1,...	134 C10H14	062338-57-2	49
3	Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0	46
4	Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4	46
5	Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5	46



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100618\
Data File : VN051715.D
Acq On : 6 Oct 2018 3:21
Operator : MD\SY
Sample : J5165-04 40X
Misc : 6.04g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 45 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-G-092718(7-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.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
Cyclohexane, 1-et...	11.92	34.3	ug/l	1782260	3	11.41	2595970	50.0
Nonane, 3-methyl-	12.04	31.9	ug/l	1658900	3	11.41	2595970	50.0
Heptane, 3-ethyl-...	12.16	25.6	ug/l	1326770	3	11.41	2595970	50.0
Nonane, 4-methyl-	12.34	38.8	ug/l	2014380	3	11.41	2595970	50.0
Cyclohexane, 1-me...	12.73	56.3	ug/l	4368240	4	13.35	3879940	50.0
p-Cymene	13.24	62.0	ug/l	4809290	4	13.35	3879940	50.0
Benzene, 1-methyl...	13.54	46.7	ug/l	3627200	4	13.35	3879940	50.0
Benzene, 1-ethyl-...	13.83	24.2	ug/l	1879090	4	13.35	3879940	50.0
Benzene, 4-ethyl-...	13.89	30.1	ug/l	2338870	4	13.35	3879940	50.0
Benzene, 1,3-diet...	13.99	30.9	ug/l	2400840	4	13.35	3879940	50.0