

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN032019\
 Data File : VN054476.D
 Acq On : 20 Mar 2019 21:02
 Operator : JC/SP
 Sample : K1994-01
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30200-05

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\82N032019W.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	7.590	1788	1809	1820	rBV2	418063	1062119	5.71%	0.374%
2	7.660	1820	1831	1856	rVB	818669	1950239	10.49%	0.687%
3	8.027	1928	1945	1961	rBV	470832	1094798	5.89%	0.386%
4	8.583	2104	2118	2153	rVB	1184063	2483379	13.36%	0.875%
5	10.088	2574	2586	2602	rBV	1841709	3606970	19.40%	1.270%
6	10.281	2639	2646	2658	rVB	175011	297852	1.60%	0.105%
7	10.950	2849	2854	2862	rVB	169008	234223	1.26%	0.082%
8	11.004	2865	2871	2883	rVB3	165385	288766	1.55%	0.102%
9	11.201	2924	2932	2951	rVB7	437934	966534	5.20%	0.340%
10	11.300	2954	2963	2984	rVB	381411	679551	3.66%	0.239%
11	11.406	2985	2996	3016	rBV	1542836	2843510	15.29%	1.001%
12	11.509	3020	3028	3036	rBV	423793	781752	4.20%	0.275%
13	11.628	3046	3065	3080	rBV5	1916111	4727081	25.43%	1.665%
14	11.947	3144	3164	3180	rBV4	998515	3143352	16.91%	1.107%
15	12.043	3188	3194	3201	rBV	367575	464658	2.50%	0.164%
16	12.120	3212	3218	3222	rBV3	295472	412844	2.22%	0.145%
17	12.165	3224	3232	3241	rVV4	704614	1352747	7.28%	0.476%
18	12.336	3281	3285	3290	rBV	267680	265088	1.43%	0.093%
19	12.403	3299	3306	3314	rVB	1128416	1604400	8.63%	0.565%
20	12.445	3314	3319	3327	rVB3	418143	526907	2.83%	0.186%
21	12.564	3350	3356	3358	rBV4	399953	469305	2.52%	0.165%
22	12.654	3374	3384	3391	rBV	3035889	5191035	27.92%	1.828%
23	12.728	3399	3407	3417	rVB3	5658416	9108925	49.00%	3.208%
24	12.779	3419	3423	3433	rVB2	760420	1018089	5.48%	0.359%
25	12.892	3448	3458	3466	rBV	1403445	2388762	12.85%	0.841%
26	12.959	3473	3479	3491	rVB3	1469998	2443564	13.14%	0.860%
27	13.040	3493	3504	3515	rBV	5618041	9240864	49.71%	3.254%
28	13.233	3553	3564	3573	rBV3	2556977	4806728	25.85%	1.693%
29	13.287	3574	3581	3587	rVV2	891246	1245624	6.70%	0.439%
30	13.348	3593	3600	3603	rBV2	1318172	1836346	9.88%	0.647%
31	13.422	3618	3623	3629	rBV4	488084	578924	3.11%	0.204%
32	13.541	3646	3660	3667	rBV	4425635	7552736	40.63%	2.660%
33	13.586	3667	3674	3689	rVB4	3703458	7620454	40.99%	2.683%
34	13.670	3689	3700	3709	rBV3	6495431	10831654	58.26%	3.814%

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35	13.741	3717	3722	3733	rVB	1293417	1896617	10.20%	0.668%
36	13.802	3734	3741	3745	rVV	2060741	2920954	15.71%	1.029%
37	13.831	3746	3750	3759	rVV	2767734	3886636	20.91%	1.369%
38	13.889	3760	3768	3777	rVB	3687613	5323957	28.64%	1.875%
39	13.995	3792	3801	3811	rVB	5203137	8539810	45.93%	3.007%
40	14.072	3811	3825	3832	rBV7	1322997	3646511	19.61%	1.284%
41	14.168	3848	3855	3862	rBV5	1938531	3039630	16.35%	1.070%
42	14.245	3875	3879	3887	rVB	3111438	4251943	22.87%	1.497%
43	14.294	3887	3894	3900	rBV2	3131340	4352283	23.41%	1.533%
44	14.332	3901	3906	3915	rVB2	2951220	3946456	21.23%	1.390%
45	14.435	3931	3938	3944	rVB2	2119217	2669026	14.36%	0.940%
46	14.477	3944	3951	3958	rVV3	3652957	6272078	33.74%	2.209%
47	14.522	3960	3965	3974	rVB	7723985	10945733	58.88%	3.854%
48	14.593	3975	3987	3996	rBV6	8521396	18591130	100.00%	6.547%
49	14.644	3997	4003	4014	rVB2	3467525	5646464	30.37%	1.988%
50	14.741	4025	4033	4048	rVB	4657559	7790243	41.90%	2.743%
51	14.818	4050	4057	4058	rBV4	1630117	1756781	9.45%	0.619%
52	14.850	4060	4067	4073	rVV3	3258139	4911287	26.42%	1.729%
53	14.959	4091	4101	4113	rVB2	4684478	9770657	52.56%	3.441%
54	15.110	4139	4148	4155	rBV4	2692258	5207693	28.01%	1.834%
55	15.191	4165	4173	4180	rBV	3336086	4820785	25.93%	1.698%
56	15.245	4181	4190	4199	rBV5	3936569	8409757	45.24%	2.961%
57	15.329	4209	4216	4231	rVB4	5679455	10100025	54.33%	3.557%
58	15.416	4232	4243	4256	rBV3	3701469	8187817	44.04%	2.883%
59	15.612	4297	4304	4318	rVB	7211756	13318907	71.64%	4.690%
60	15.766	4343	4352	4377	rVB6	2891964	8243485	44.34%	2.903%
61	15.911	4385	4397	4407	rBV2	3813355	8034524	43.22%	2.829%
62	16.101	4446	4456	4467	rVB2	4528918	8758387	47.11%	3.084%
63	16.162	4468	4475	4486	rVB4	1664098	2751511	14.80%	0.969%
64	16.355	4525	4535	4545	rBV7	1100158	2864305	15.41%	1.009%

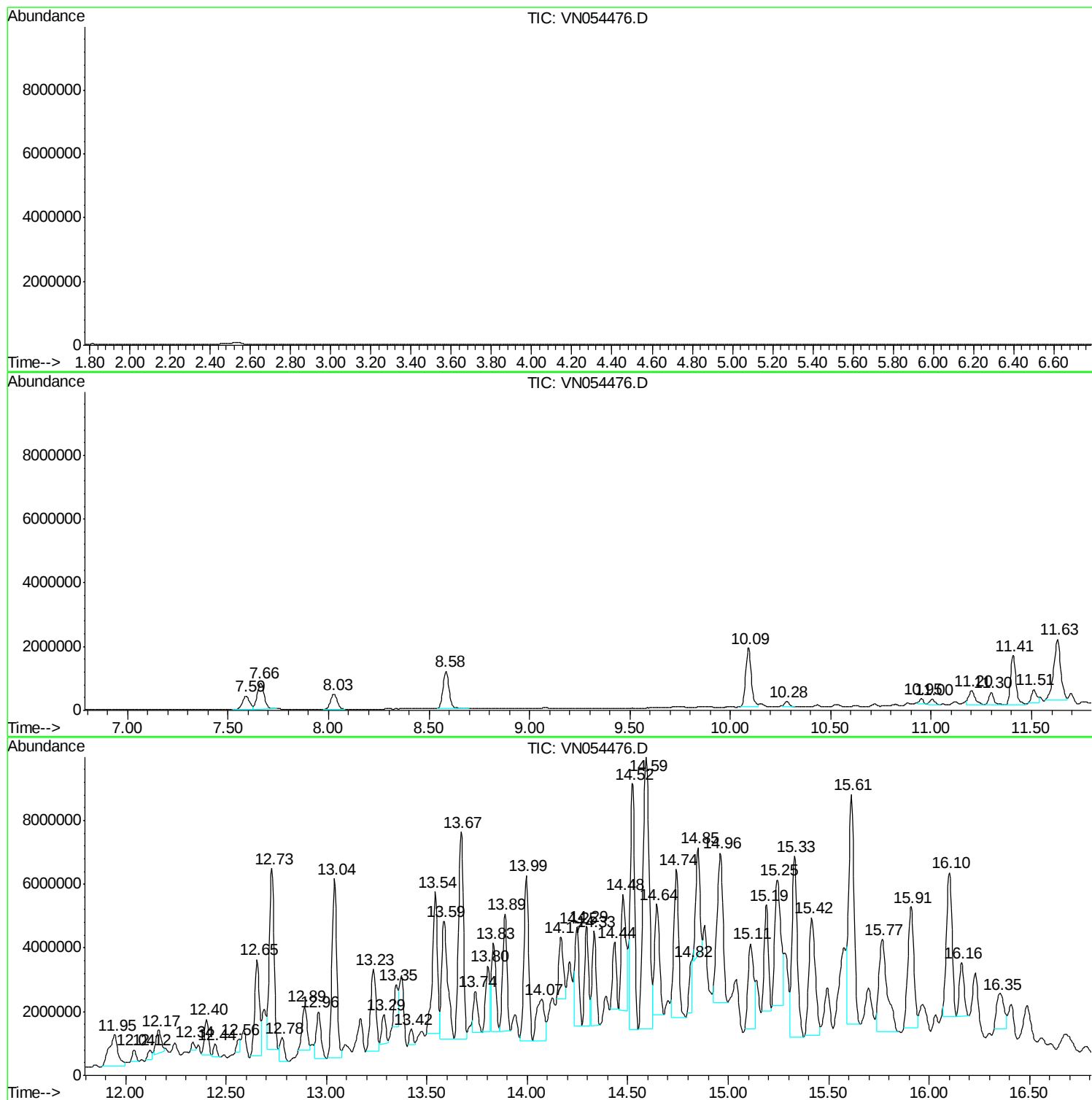
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Quant Title : SW846 8260

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



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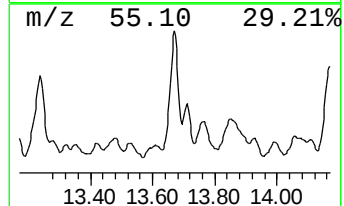
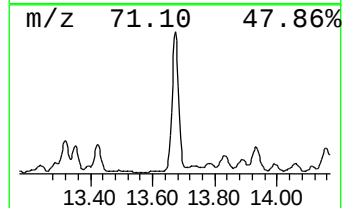
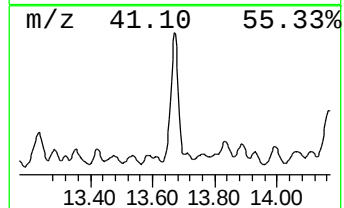
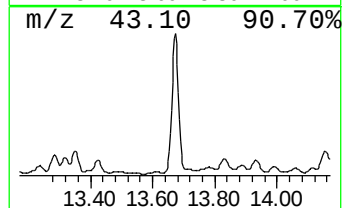
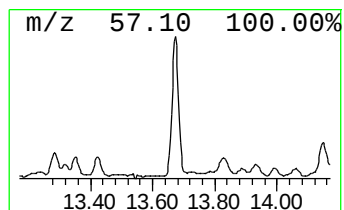
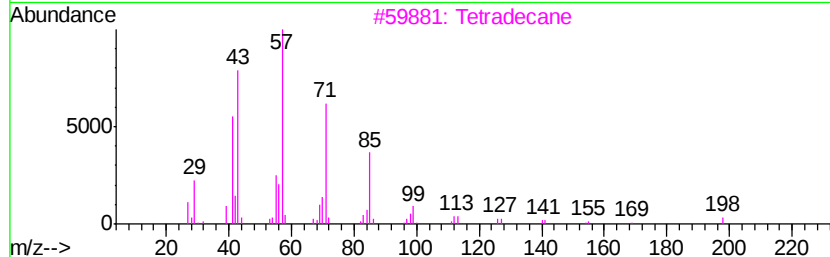
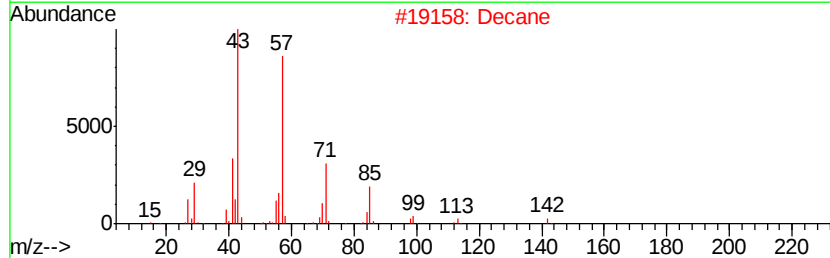
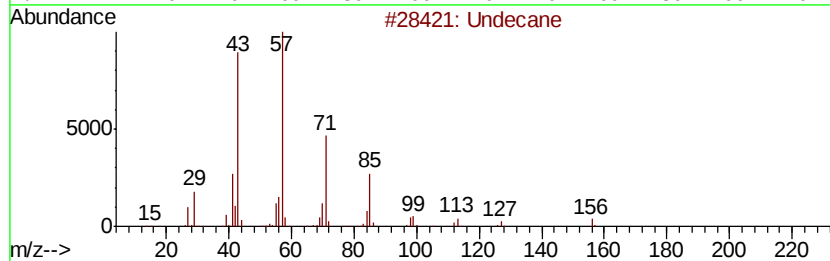
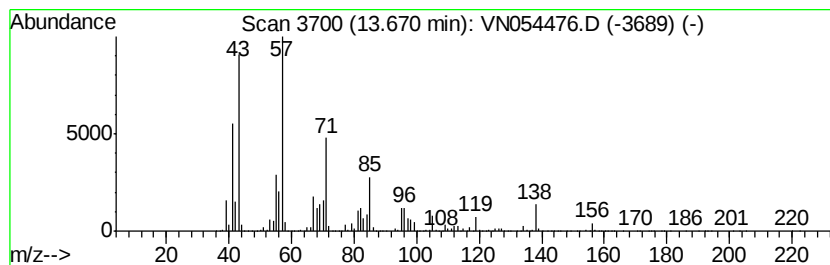
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260

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

Peak Number 1 Undecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	294.92 ug/l	10831700	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	70
2		Decane	142	C10H22	000124-18-5	58
3		Tetradecane	198	C14H30	000629-59-4	58
4		Tridecane	184	C13H28	000629-50-5	50
5		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	50



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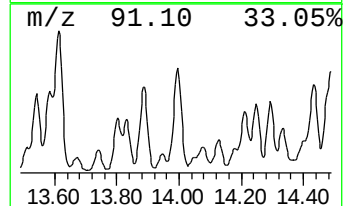
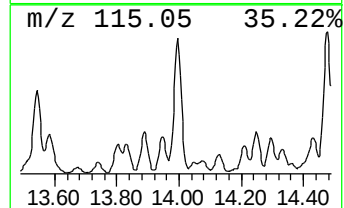
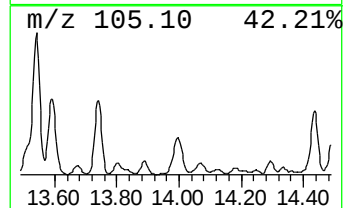
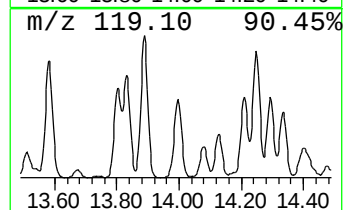
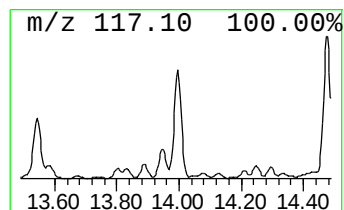
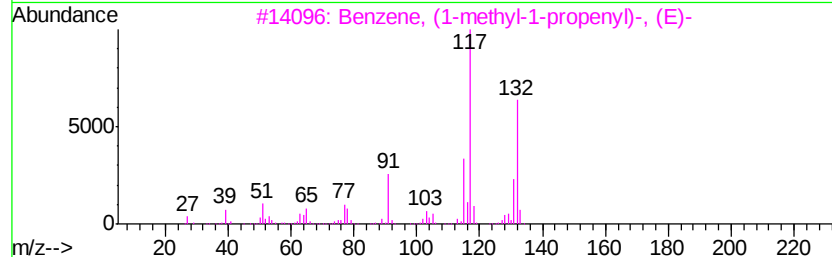
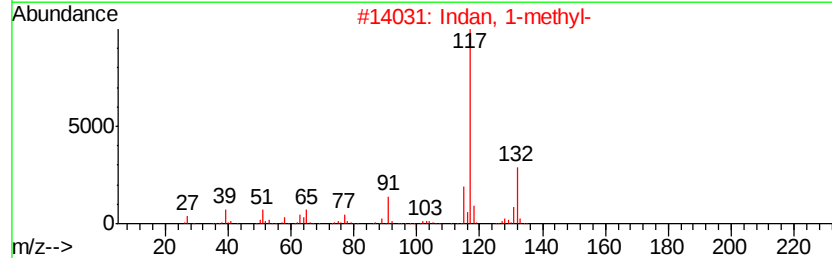
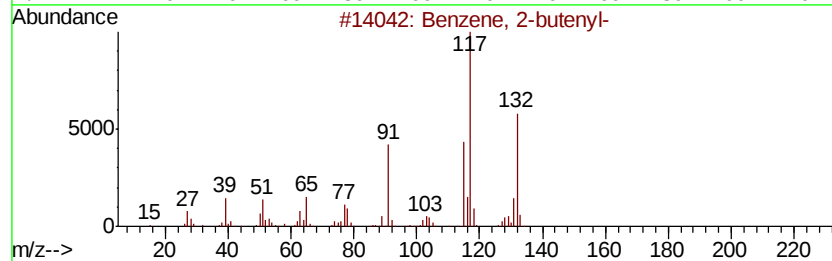
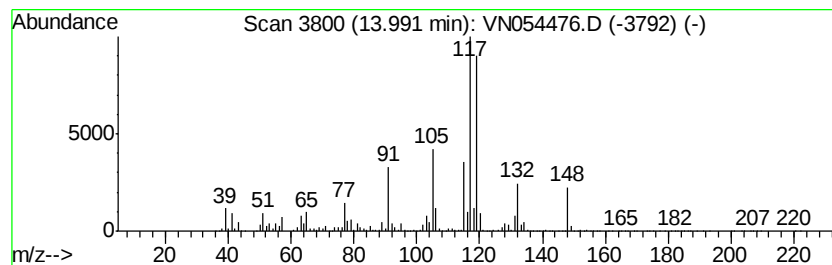
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	232.52 ug/l	8539810	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
2		Indan, 1-methyl-	132	C10H12	000767-58-8	50
3		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	50
5		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50



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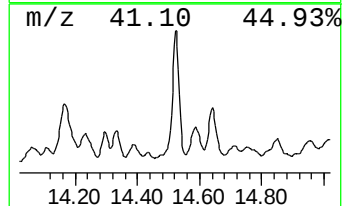
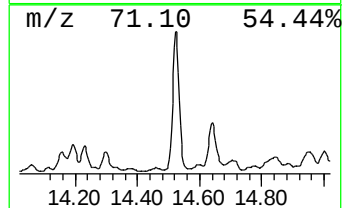
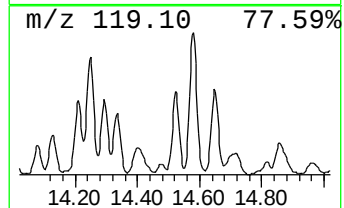
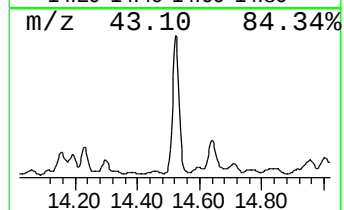
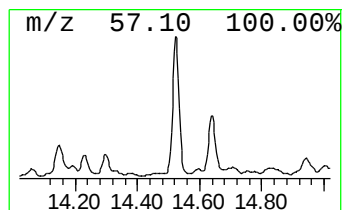
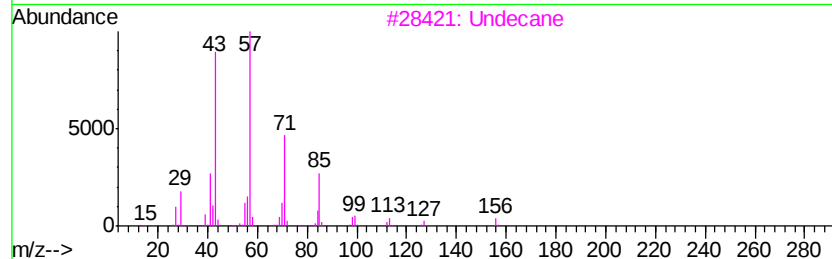
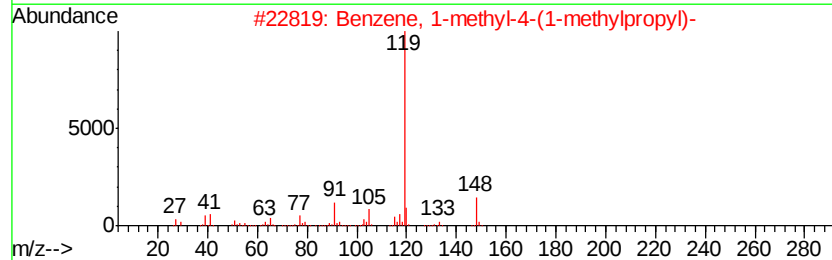
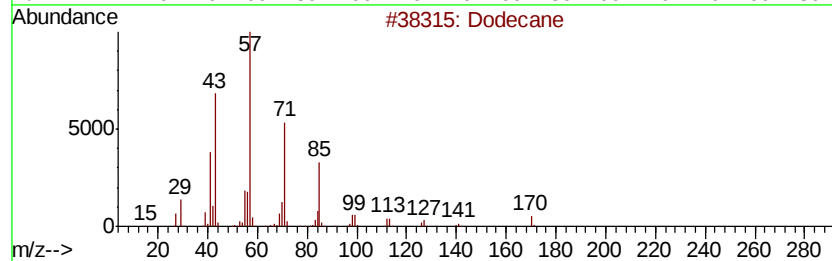
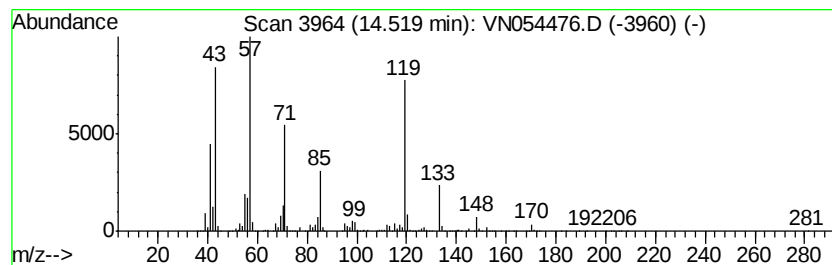
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Peak Number 3 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	298.03 ug/l	10945700	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	93
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	35
3		Undecane	156	C11H24	001120-21-4	30
4		Tetradecane	198	C14H30	000629-59-4	30
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	30



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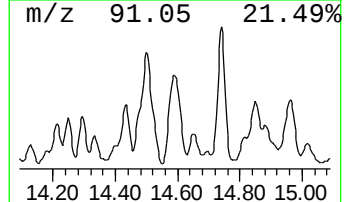
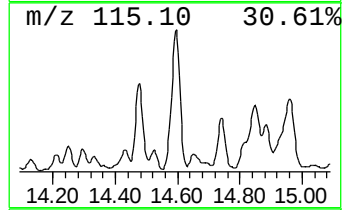
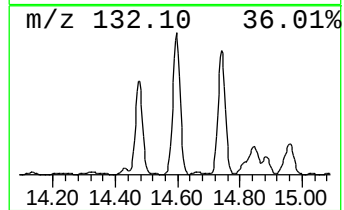
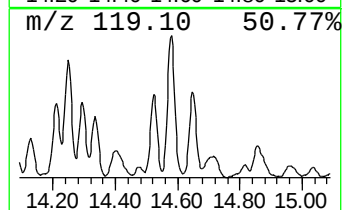
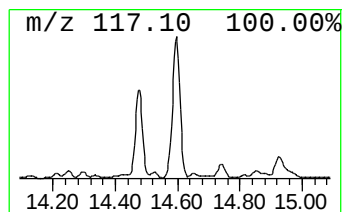
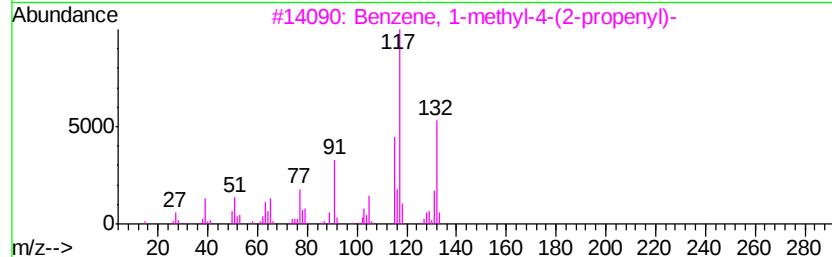
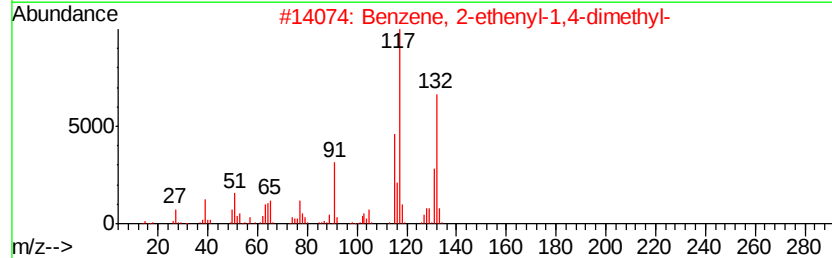
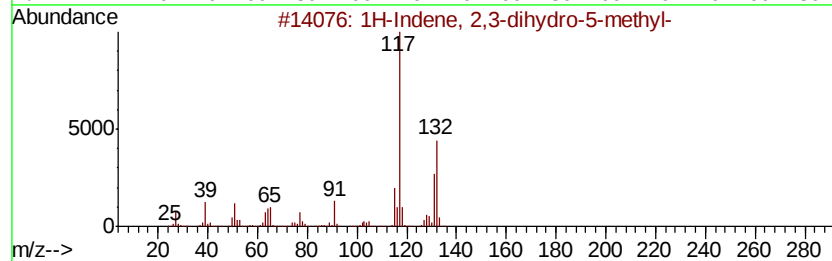
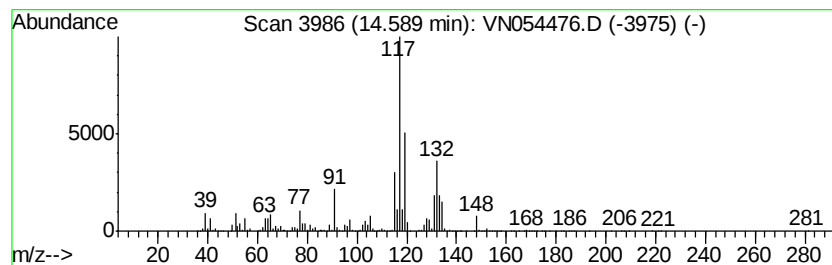
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Peak Number 4 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	506.20 ug/l	18591100	1,4-Dichlorobenzene-d4	13.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN032019\
Data File : VN054476.D
Acq On : 20 Mar 2019 21:02
Operator : JC/SP
Sample : K1994-01
Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

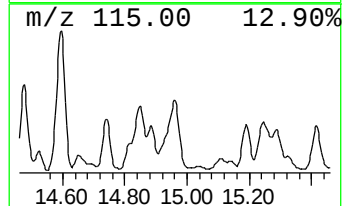
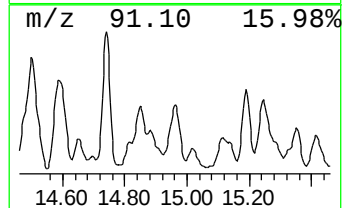
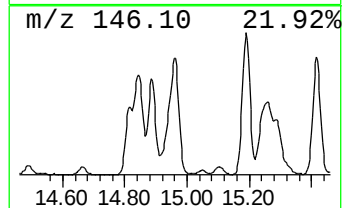
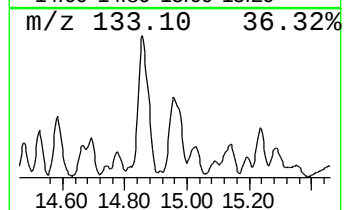
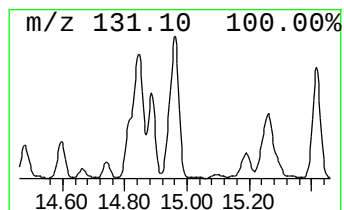
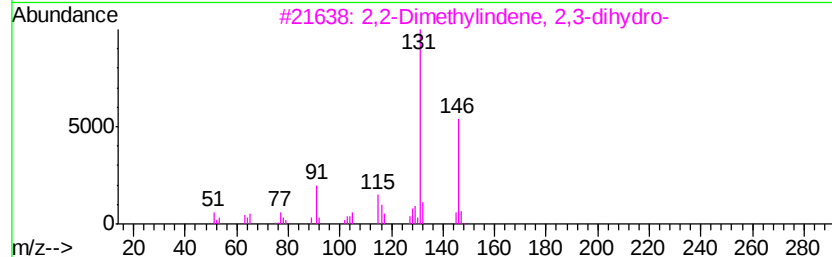
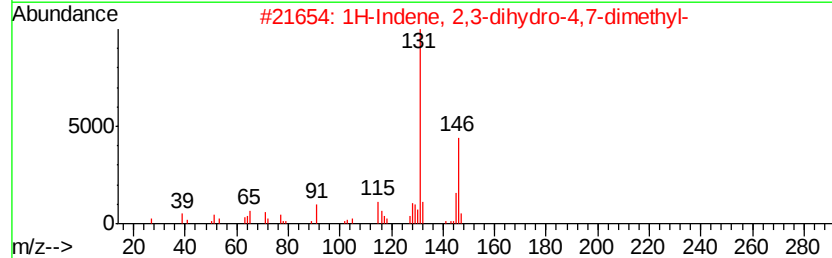
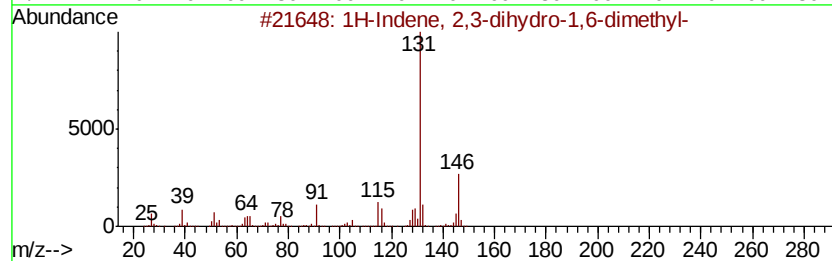
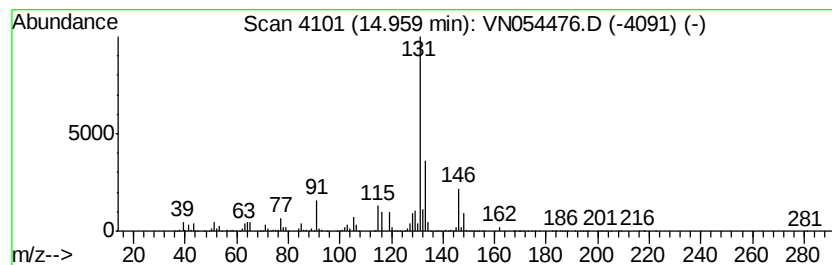
Instrument :
MSVOA_N
ClientSampleId :
30200-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260

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

Peak Number 5 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.96	266.04 ug/l	9770660	1,4-Dichlorobenzene-d4	13.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	89
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN032019\
Data File : VN054476.D
Acq On : 20 Mar 2019 21:02
Operator : JC/SP
Sample : K1994-01
Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
30200-05

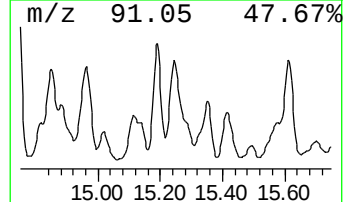
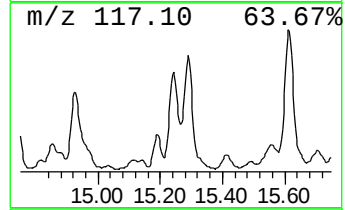
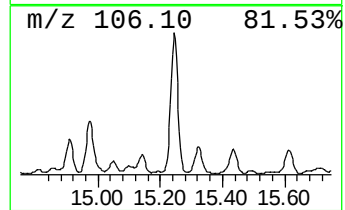
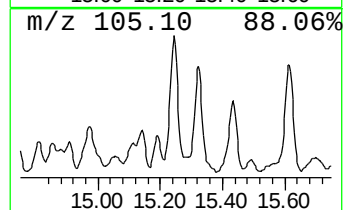
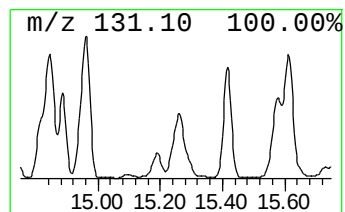
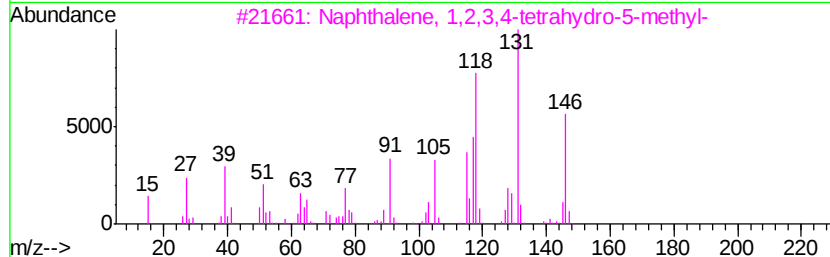
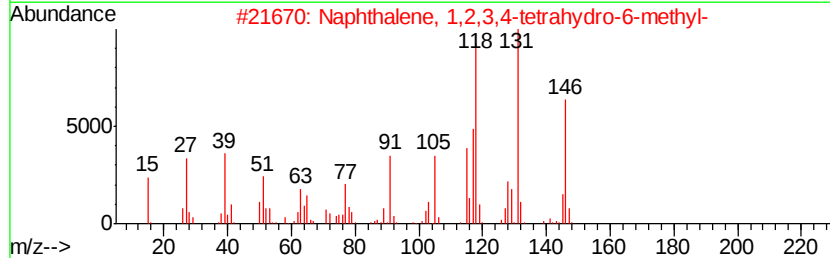
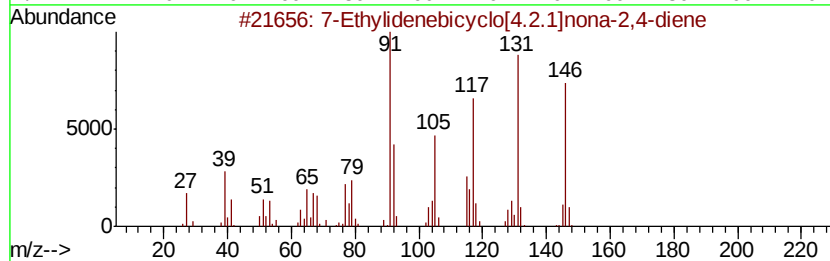
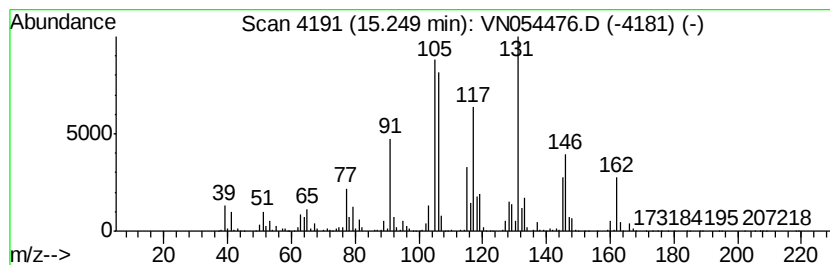
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Quant Title : SW846 8260

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

Peak Number 6 7-Ethylidenebicyclo[4.2.1]n... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	228.98 ug/l	8409760	1,4-Dichlorobenzene-d4	13.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		7-Ethylidenebicyclo[4.2.1]nona-2...	146	C11H14	094400-10-9	60
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	50
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	46
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN032019\
Data File : VN054476.D
Acq On : 20 Mar 2019 21:02
Operator : JC/SP
Sample : K1994-01
Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

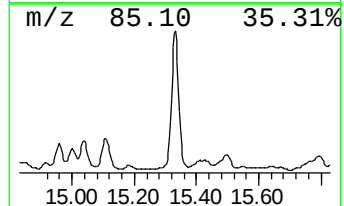
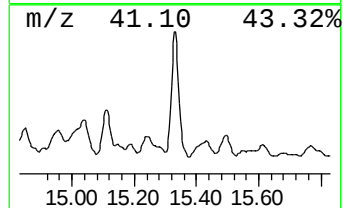
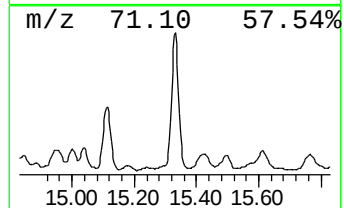
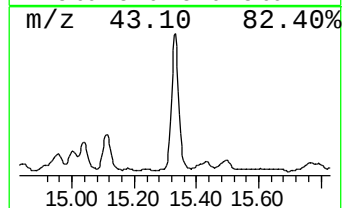
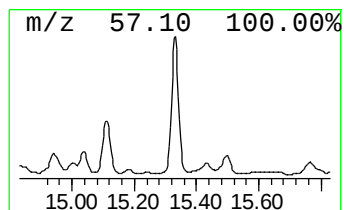
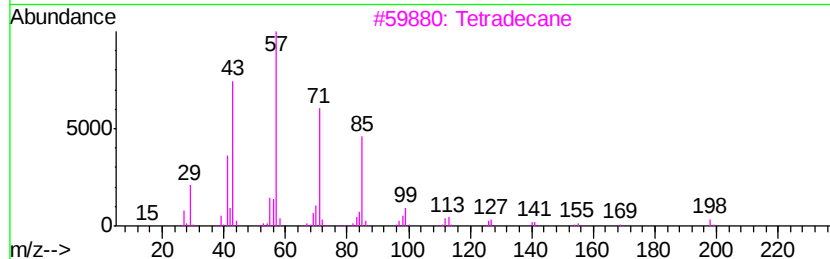
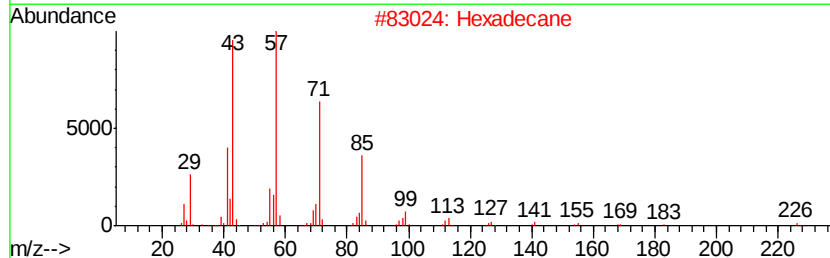
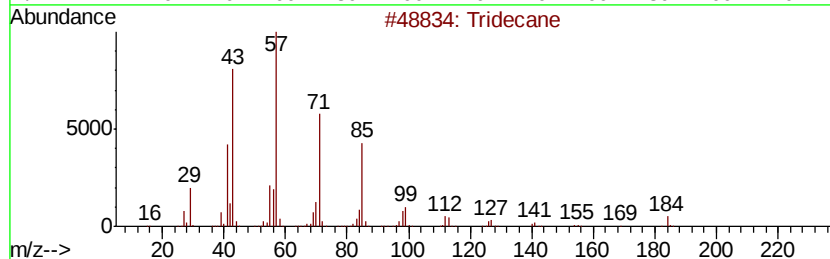
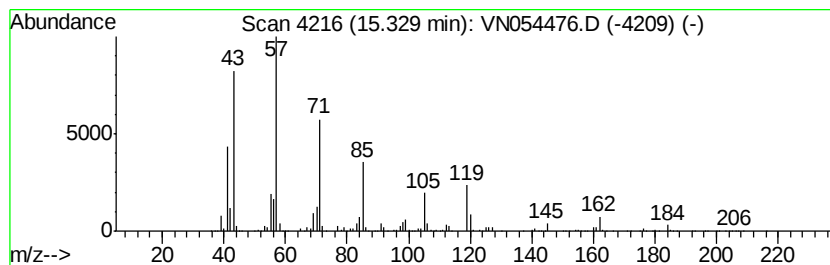
Instrument :
MSVOA_N
ClientSampleId :
30200-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260

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

Peak Number 7 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.33	275.00 ug/l	10100000	1,4-Dichlorobenzene-d4	13.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	74
2	Hexadecane	226	C16H34	000544-76-3	49
3	Tetradecane	198	C14H30	000629-59-4	46
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	43
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN032019\
Data File : VN054476.D
Acq On : 20 Mar 2019 21:02
Operator : JC/SP
Sample : K1994-01
Misc : 5.03uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
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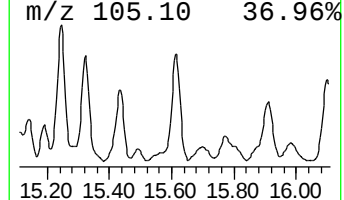
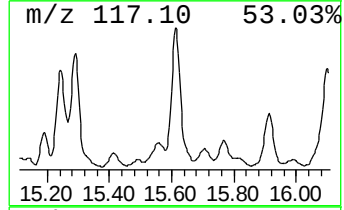
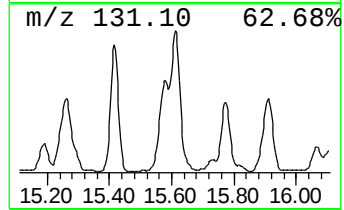
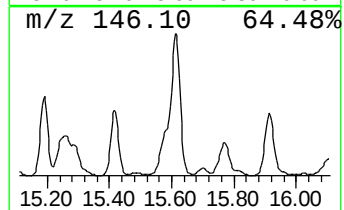
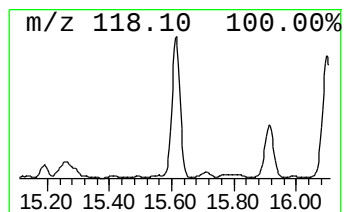
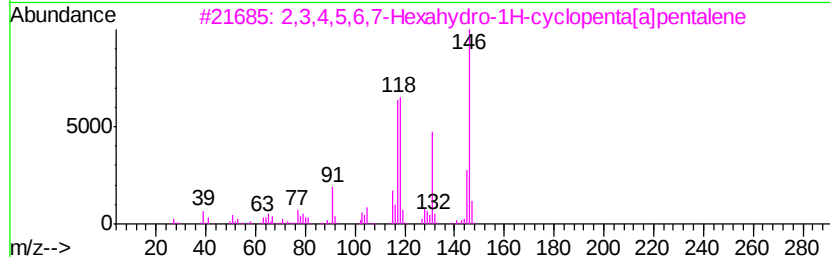
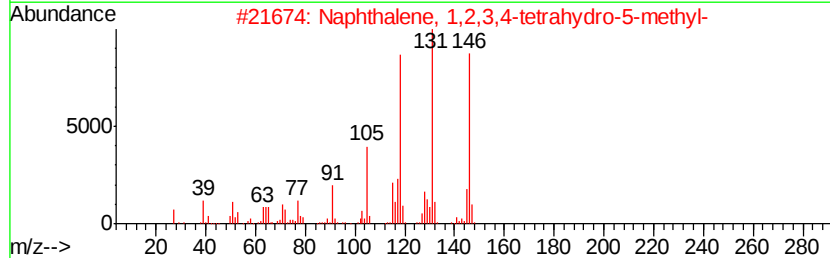
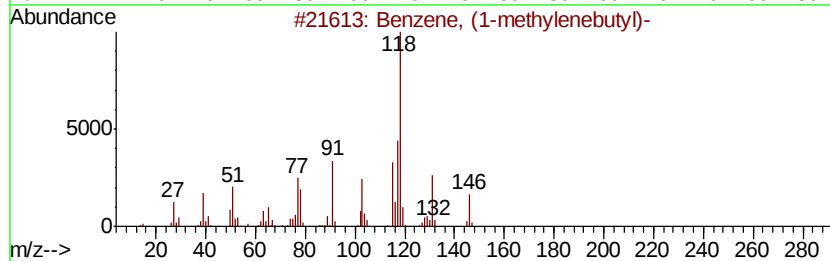
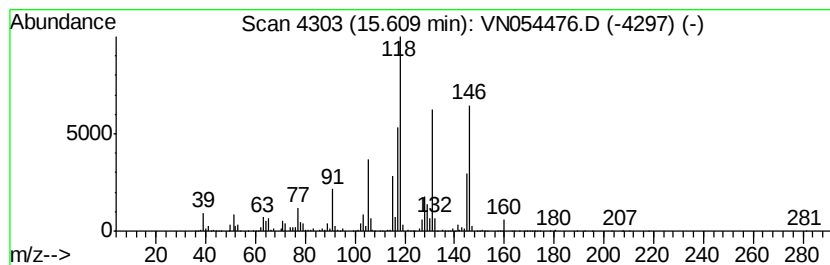
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, (1-methylenebutyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	362.65 ug/l	13318900	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	83
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	74
3		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	62
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	52
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032019\
Data File : VN054476.D
Acq On : 20 Mar 2019 21:02
Operator : JC/SP
Sample : K1994-01
Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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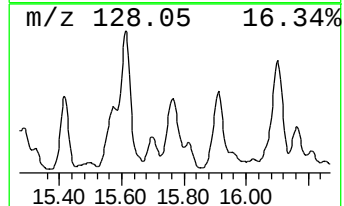
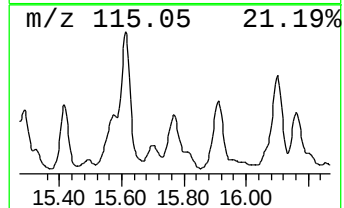
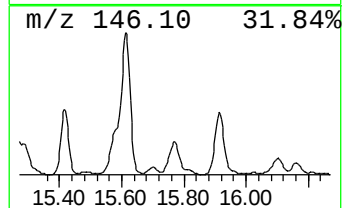
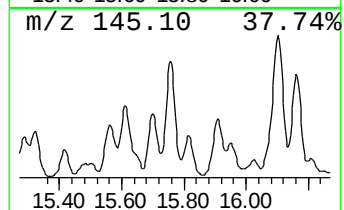
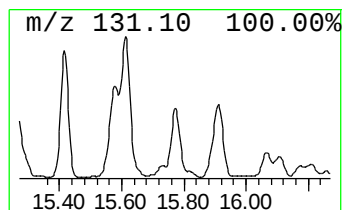
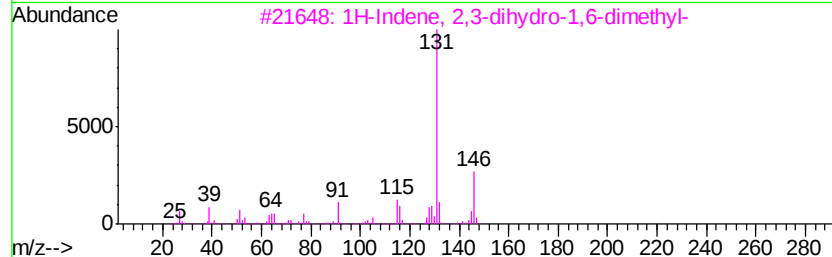
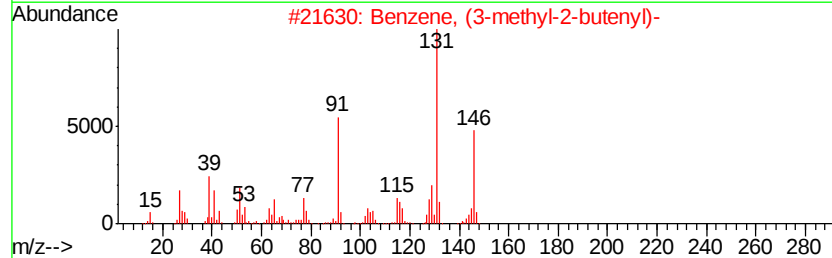
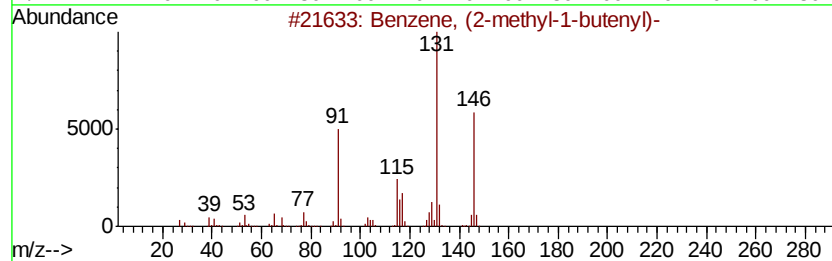
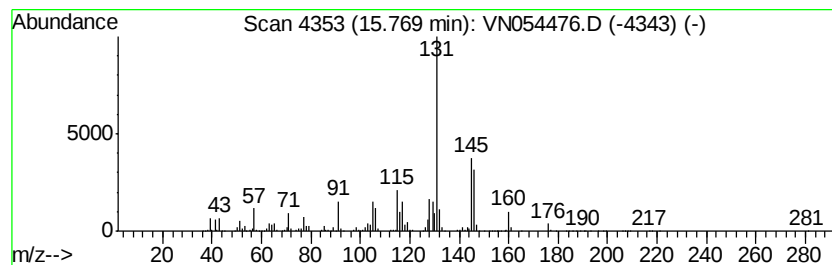
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	224.45 ug/l	8243490	1,4-Dichlorobenzene-d4	13.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
2		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	58
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	52
4		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	001559-81-5	52
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN032019\
Data File : VN054476.D
Acq On : 20 Mar 2019 21:02
Operator : JC/SP
Sample : K1994-01
Misc : 5.03q/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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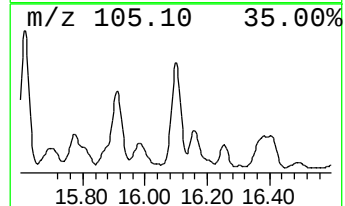
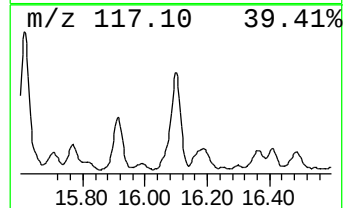
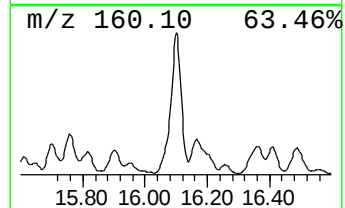
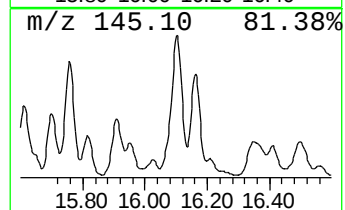
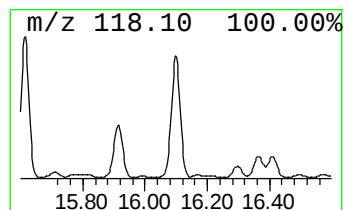
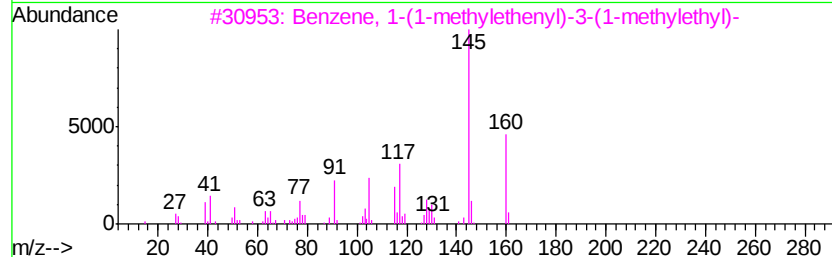
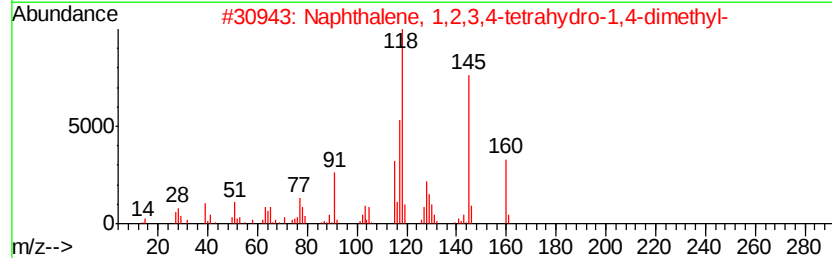
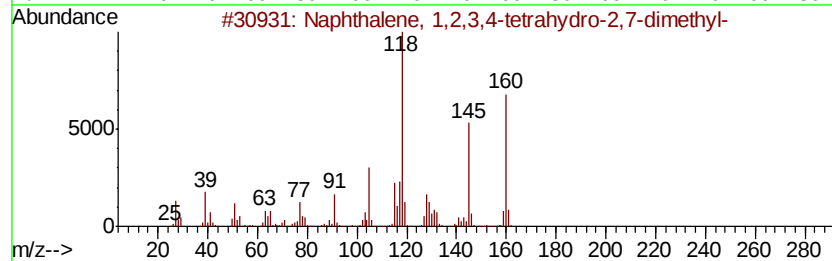
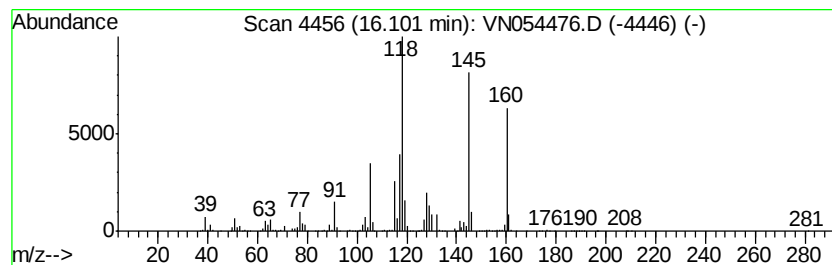
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	238.47 ug/l	8758390	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	76
3		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	70
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	60
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032019\
 Data File : VN054476.D
 Acq On : 20 Mar 2019 21:02
 Operator : JC/SP
 Sample : K1994-01
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30200-05

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.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
Undecane	13.67	294.9	ug/l	10831700	4	13.34	1836350	50.0
Benzene, 2-butenyl-	13.99	232.5	ug/l	8539810	4	13.34	1836350	50.0
Dodecane	14.52	298.0	ug/l	10945700	4	13.34	1836350	50.0
1H-Indene, 2,3-di...	14.59	506.2	ug/l	18591100	4	13.34	1836350	50.0
1H-Indene, 2,3-di...	14.96	266.0	ug/l	9770660	4	13.34	1836350	50.0
7-Ethylidenebicyc...	15.25	229.0	ug/l	8409760	4	13.34	1836350	50.0
Tridecane	15.33	275.0	ug/l	10100000	4	13.34	1836350	50.0
Benzene, (1-methy...	15.61	362.6	ug/l	13318900	4	13.34	1836350	50.0
Benzene, (2-methy...	15.77	224.4	ug/l	8243490	4	13.34	1836350	50.0
Naphthalene, 1,2,...	16.10	238.5	ug/l	8758390	4	13.34	1836350	50.0