LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.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	5.047	994	1018	1045	rBV3	89020	356080	4.66%	0.583%
2	6.622	1486	1508	1525	rBV2	93259	293670	3.84%	0.481%
3	7.593	1789	1810	1820	rBV	1030710	2591362	33.92%	4.242%
4	7.664	1820	1832	1850	rVB	1847710	4457890	58.35%	7.298%
5	8.027	1929	1945	1969	rBV	990218	2292162	30.00%	3.752%
6	8.165	1974	1988	1998	rBV	42013	116244	1.52%	0.190%
7	8.297	2021	2029	2045	rVB7	40917	90350	1.18%	0.148%
8	8.587	2103	2119	2165	rVB	2534826	5707625	74.71%	9.343%
9	9.079	2247	2272	2285	rBV2	187936	548761	7.18%	0.898%
10	9.612	2426	2438	2447	rBV2	79371	171167	2.24%	0.280%
11	9.969	2537	2549	2571	rVB6	68138	155343	2.03%	0.254%
12	10.091	2571	2587	2629	rBV	3660475	7639914	100.00%	12.507%
13	10.516	2708	2719	2736	rVB4	110138	240960	3.15%	0.394%
14	11.406	2983	2996	3034	rBV	3219155	6220706	81.42%	10.183%
15	11.622	3054	3063	3084	rVB5	42531	122323	1.60%	0.200%
16	12.400	3291	3305	3324	rBV	2642824	4598354	60.19%	7.528%
17	13.152	3530	3539	3553	rBV3	123676	242450	3.17%	0.397%
18	13.342	3585	3598	3620	rVB	2942803	4923774	64.45%	8.060%
19	13.445	3620	3630	3639	rVB	89959	142458	1.86%	0.233%
20	13.512	3639	3651	3654	rBV	664666	991308	12.98%	1.623%
21	13.545	3654	3661	3671	rVV	1404073	2412503	31.58%	3.949%
22	13.590	3671	3675	3690	rVV3	115164	202609	2.65%	0.332%
23	13.673	3690	3701	3712	rVB	279907	450921	5.90%	0.738%
24	13.889	3756	3768	3777	rBV	1401290	2162008	28.30%	3.539%
25	13.946	3777	3786	3792	rVV	391474	620595	8.12%	1.016%
26	13.995	3792	3801	3813	rVB2	1506709	2489528	32.59%	4.075%
27	14.130	3833	3843	3852	rBV	171783	277966	3.64%	0.455%
28	14.207	3852	3867	3884	rVB	1225413	2038674	26.68%	3.337%
29	14.294	3886	3894	3898	rBV2	50785	77617	1.02%	0.127%
30	14.429	3923	3936	3942	rBV4	139234	261985	3.43%	0.429%
31	14.474	3942	3950	3961	rVV2	631629	1072240	14.03%	1.755%
32	14.525	3962	3966	3973	rVV3	63734	87852	1.15%	0.144%
33	14.590	3973	3986	3999	rVV3	1958145	4005629	52.43%	6.557%
34	14.654	3999	4006	4018	rVB5	100690	185687	2.43%	0.304%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Title : SW846 8260

35	14.850	4058	4067	4073	rBV4	193694	334947	4.38%	0.548%
36	14.885	4074	4078	4086	rVV	105127	129861	1.70%	0.213%
37	14.953	4088	4099	4110	rVB2	308444	658555	8.62%	1.078%
38	15.088	4135	4141	4152	rVB2	59917	103530	1.36%	0.169%
39	15.188	4162	4172	4180	rBV	103185	183731	2.40%	0.301%
40	15.262	4181	4195	4201	rBV3	112744	301727	3.95%	0.494%
41	15.416	4231	4243	4254	rBV2	108739	200453	2.62%	0.328%
42	15.483	4256	4264	4273	rVB6	51780	94372	1.24%	0.154%
43	15.577	4284	4293	4299	rBV	94424	180339	2.36%	0.295%
44	15.696	4321	4330	4341	rBV	81599	148617	1.95%	0.243%
45	15.770	4346	4353	4363	rVB3	60977	120856	1.58%	0.198%
46	15.911	4386	4397	4413	rBV2	125440	257251	3.37%	0.421%
47	16.352	4523	4534	4548	rVB3	51792	124181	1.63%	0.203%

Sum of corrected areas: 61087135

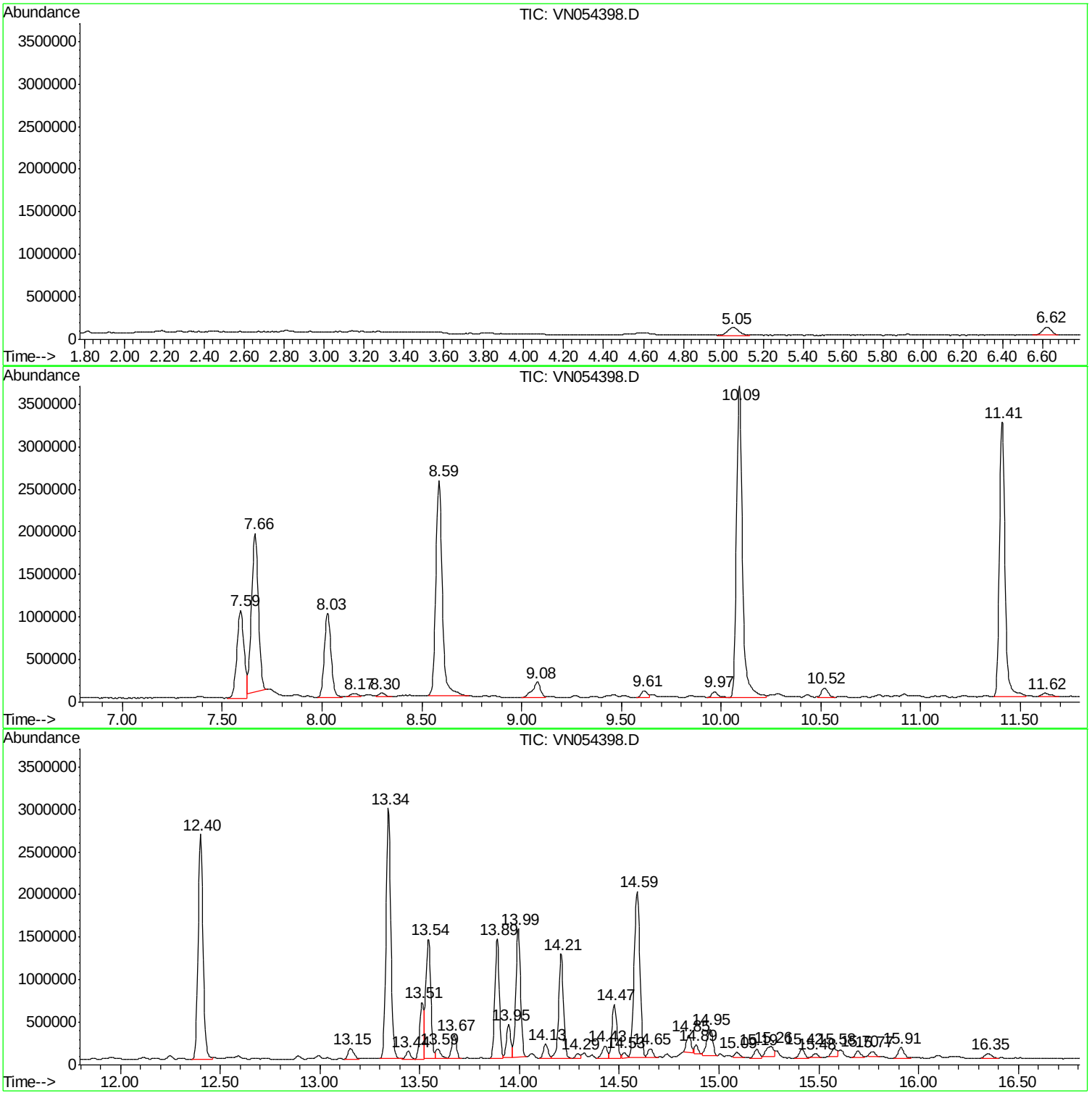
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

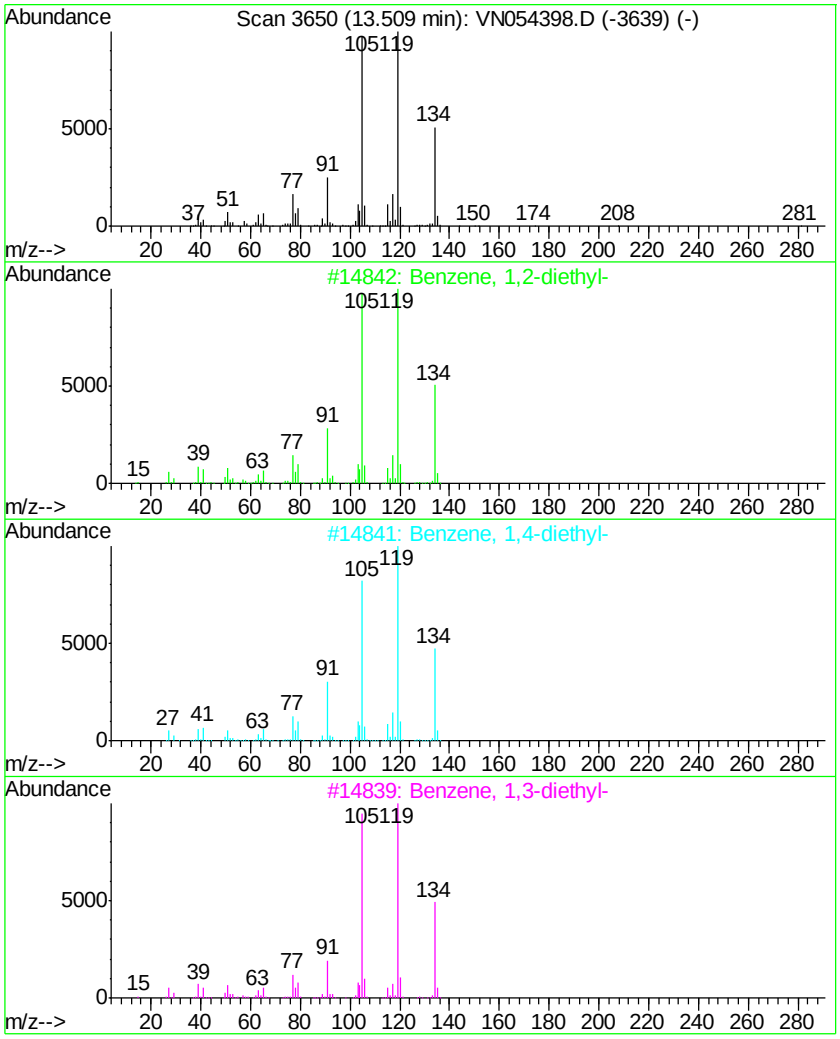
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

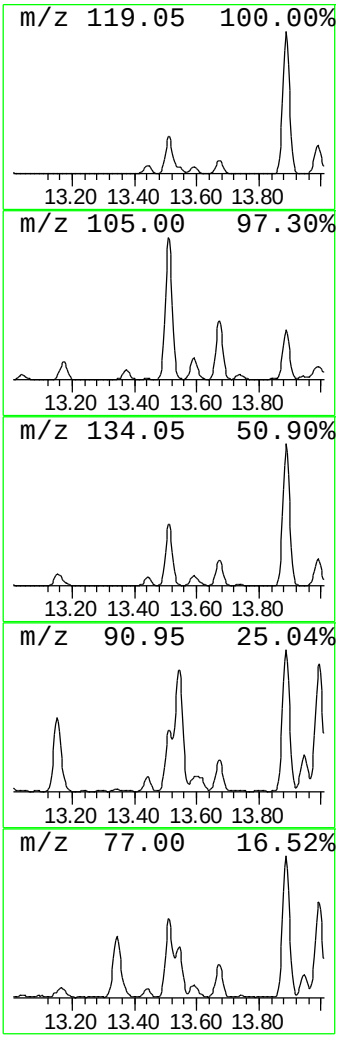
****

Peak Number 1 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	10.07 ug/l	991308	1,4-Dichlorobenzene-d4	13.34

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	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	o-Cymene	134	C10H14	000527-84-4	81





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

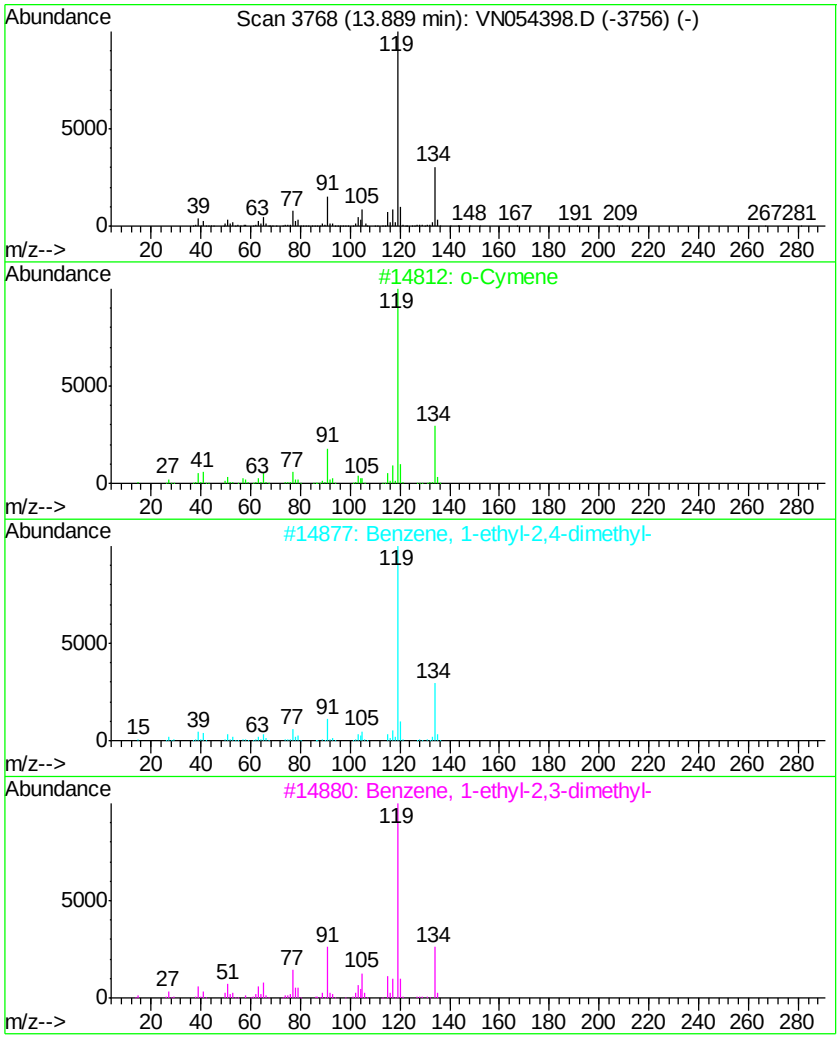
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

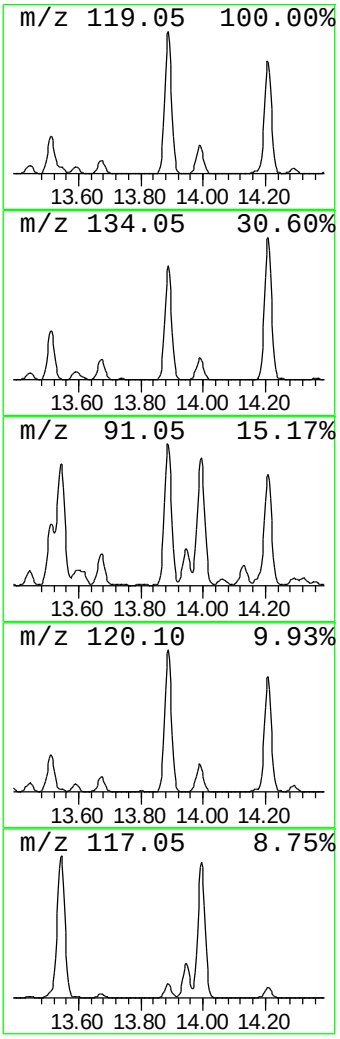
****

Peak Number 3 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	21.95 ug/l	2162010	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

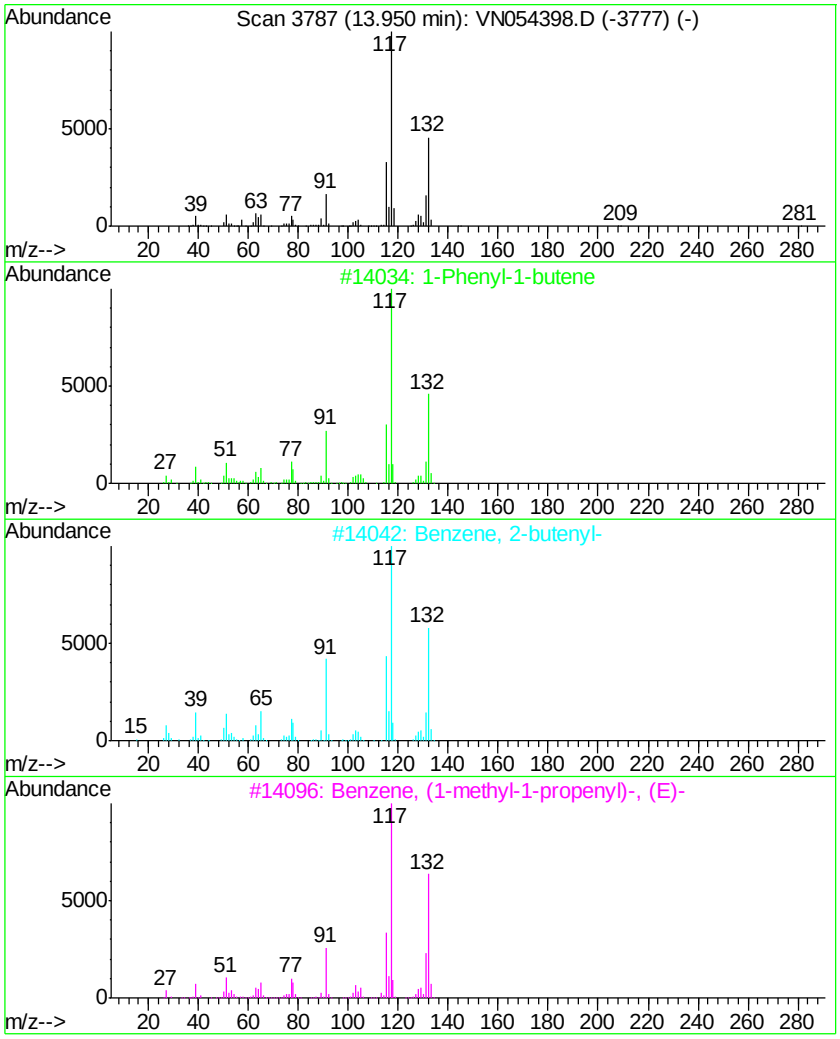
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

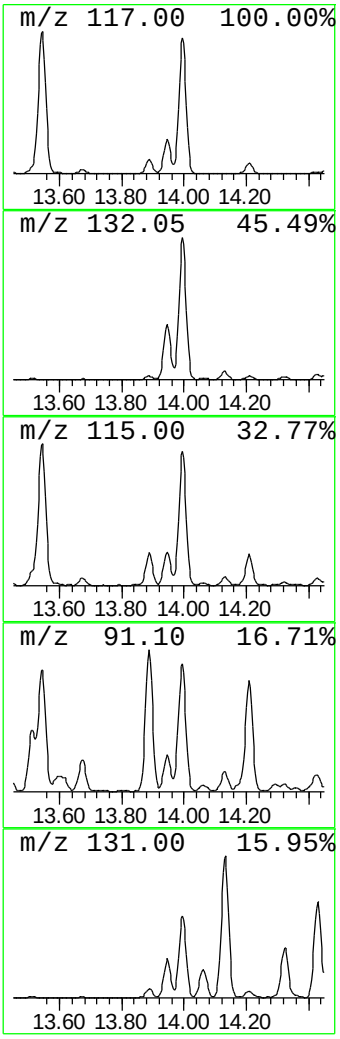
****

Peak Number 4 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	6.30 ug/l	620595	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

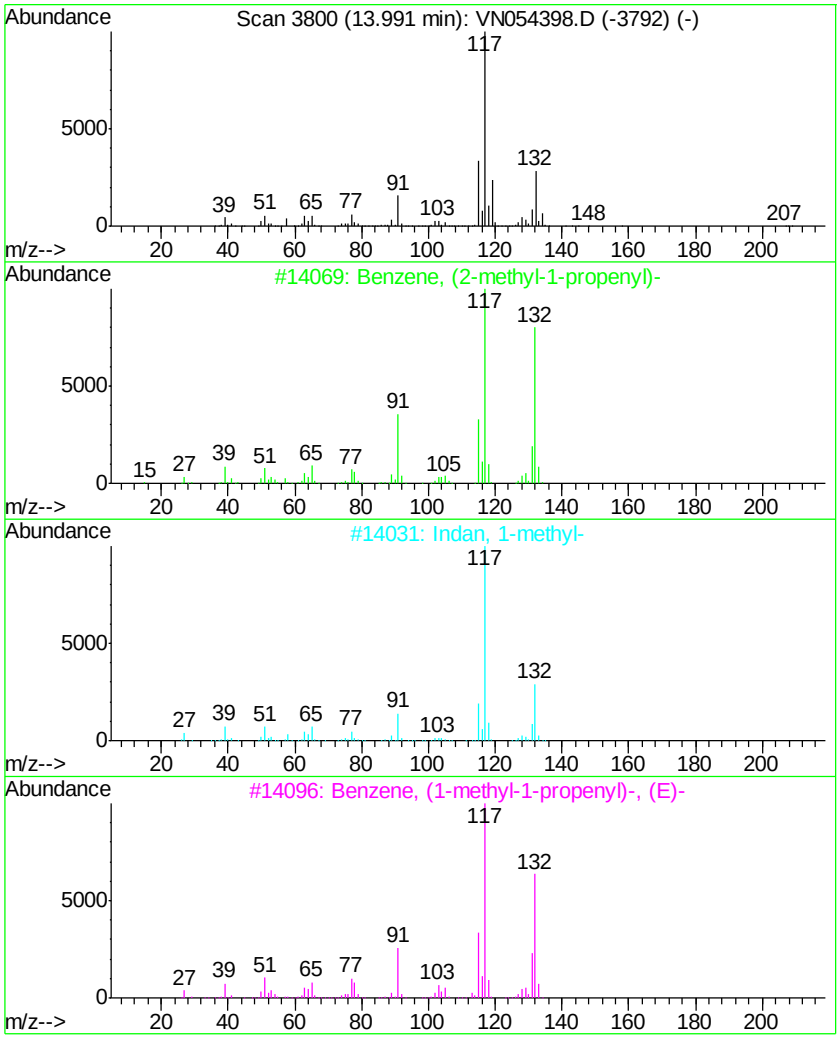
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

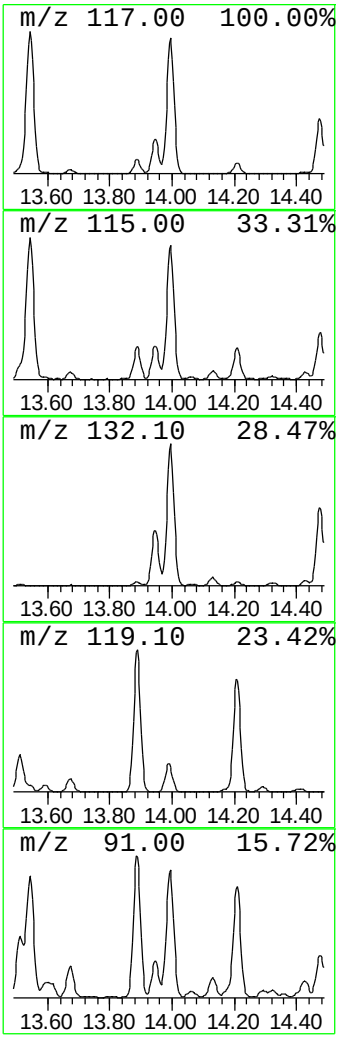
****

Peak Number 5 Benzene, (2-methyl-1-propen... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	25.28 ug/l	2489530	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
2	Indan, 1-methyl-	132	C10H12	000767-58-8	76
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	74
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	72
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

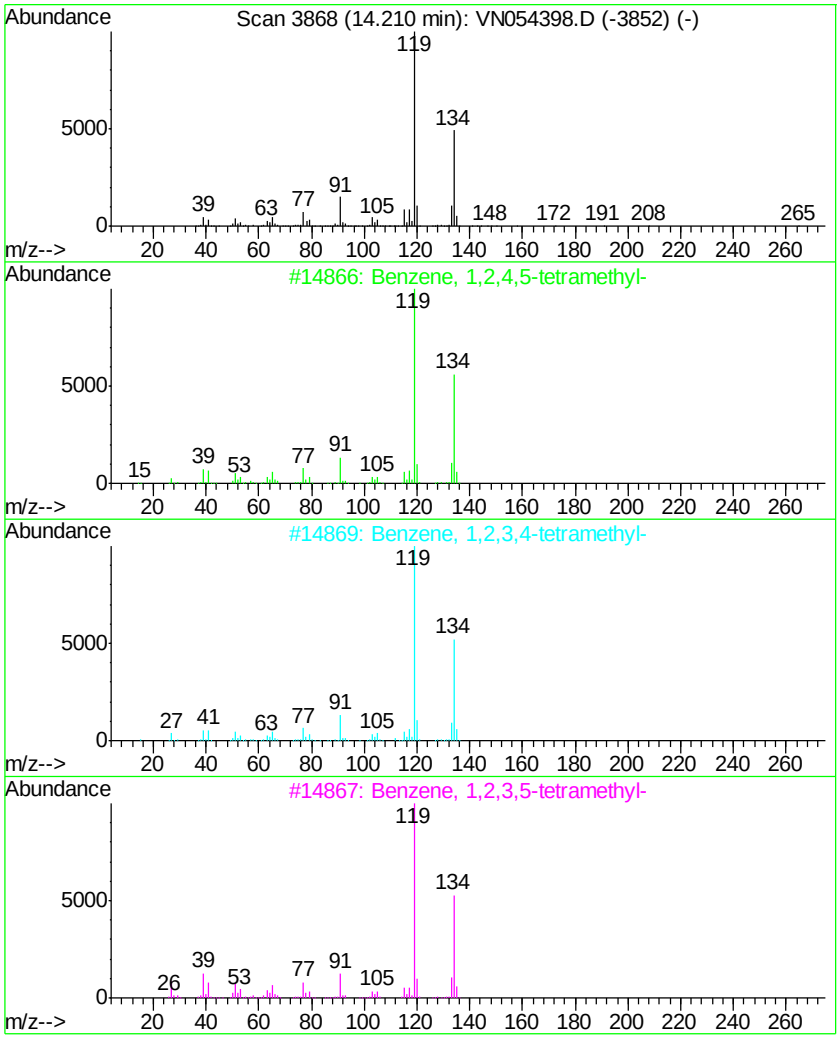
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

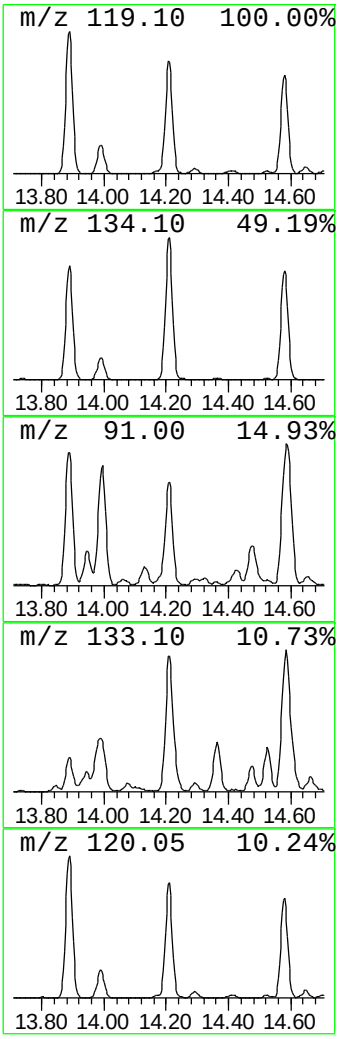
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	20.70 ug/l	2038670	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

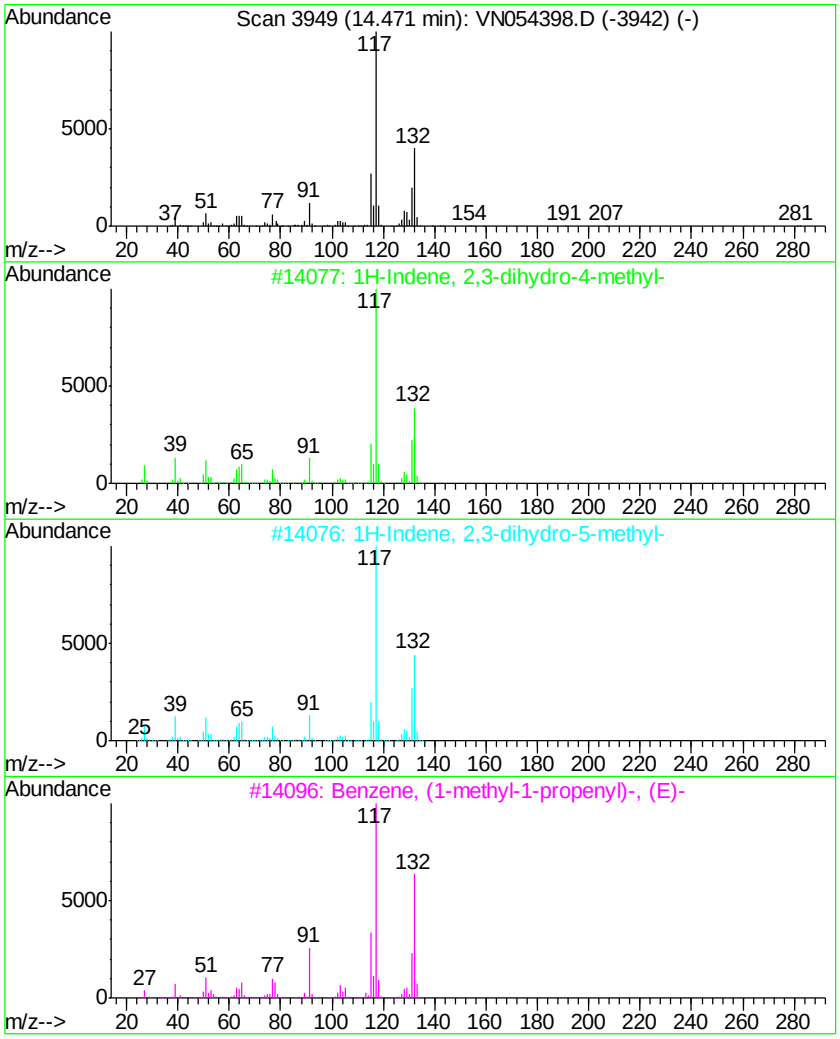
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

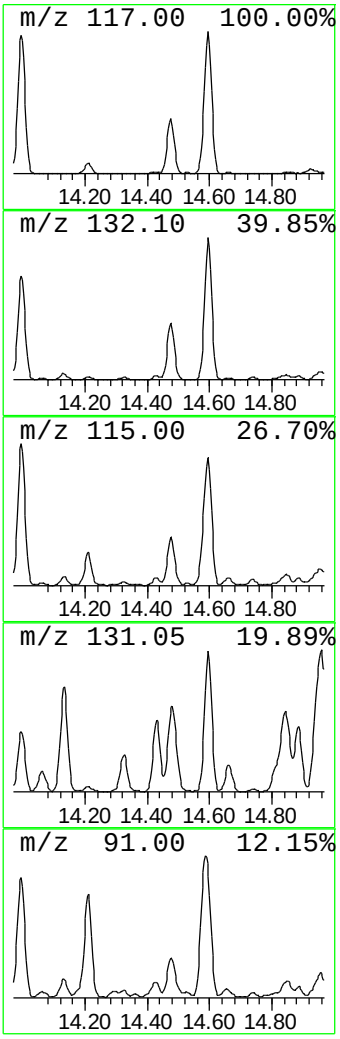
****

Peak Number 7 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	10.89 ug/l	1072240	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

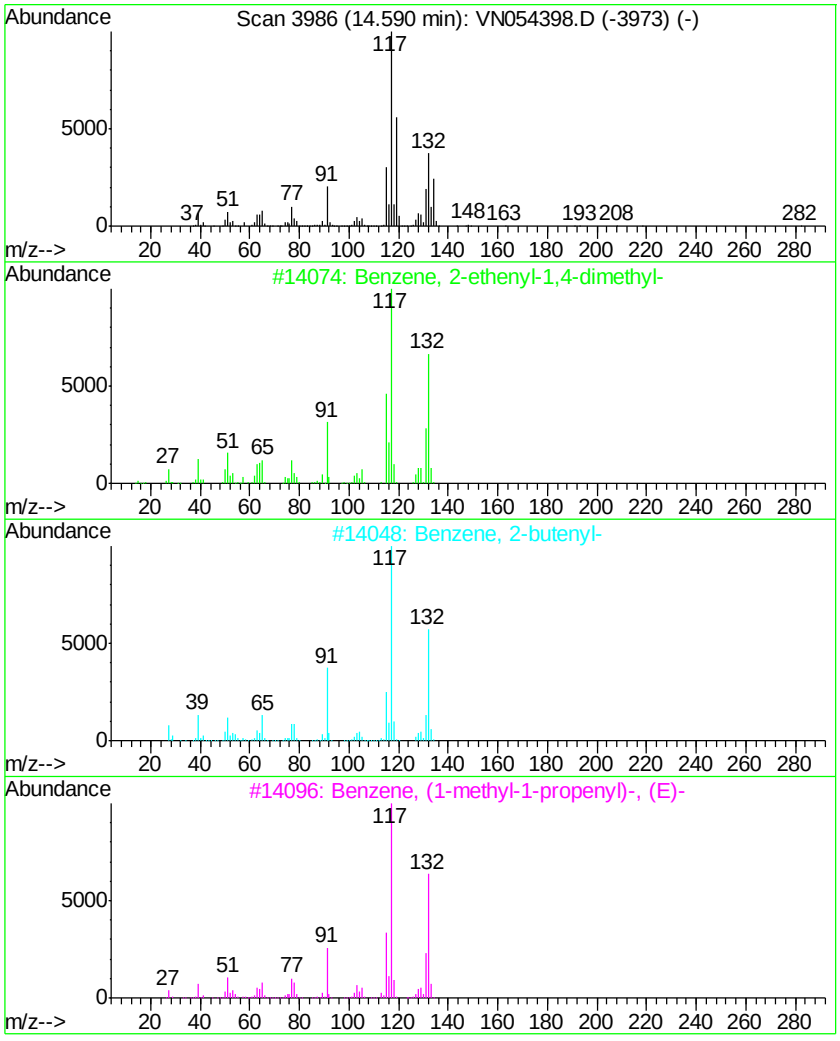
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

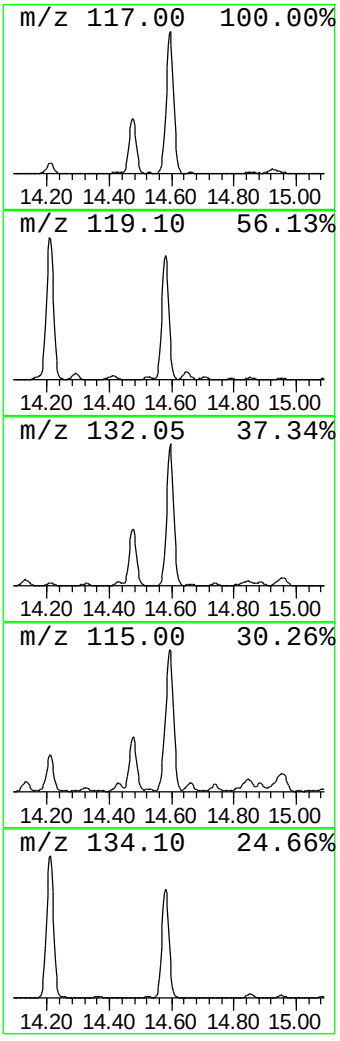
****

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	40.68 ug/l	4005630	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	62





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

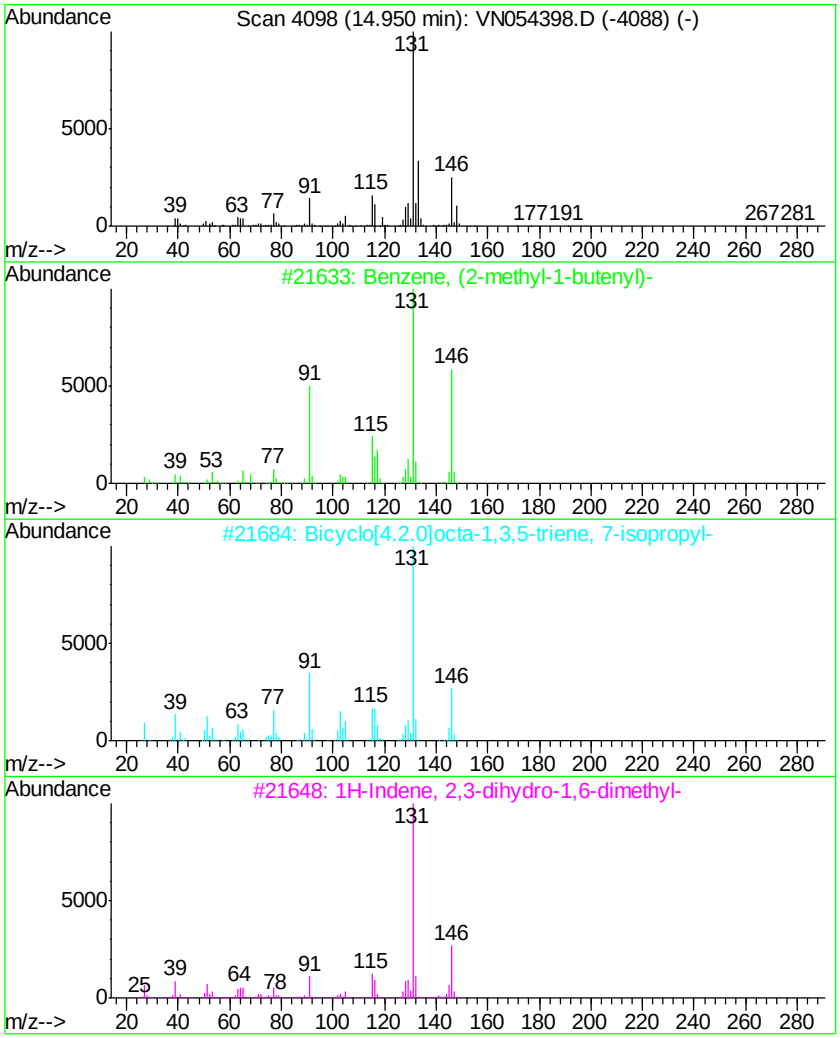
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

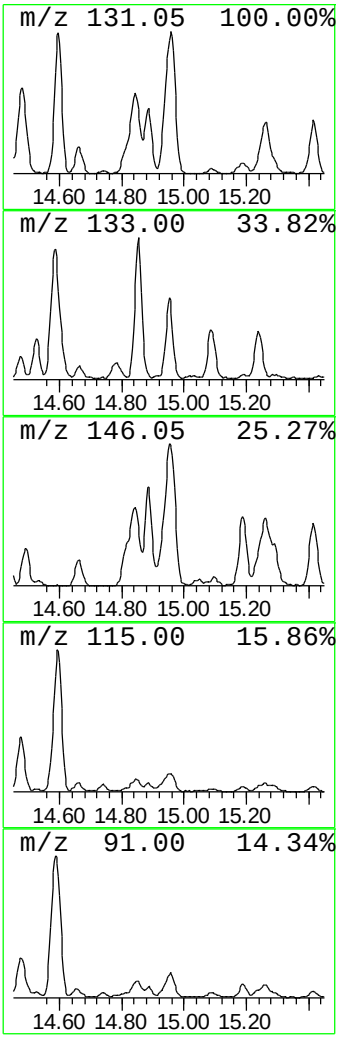
****

Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	6.69 ug/l	658555	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	81
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	81
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031819\
Data File : VN054398.D
Acq On : 18 Mar 2019 17:11
Operator : JC/SP
Sample : K1960-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-1-8.0-031419

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,2-diet...	13.51	10.1	ug/l	991308	4	13.34	4923770	50.0
o-Cymene	13.89	21.9	ug/l	2162010	4	13.34	4923770	50.0
1-Phenyl-1-butene	13.95	6.3	ug/l	620595	4	13.34	4923770	50.0
Benzene, (2-methy...	13.99	25.3	ug/l	2489530	4	13.34	4923770	50.0
Benzene, 1,2,4,5-...	14.21	20.7	ug/l	2038670	4	13.34	4923770	50.0
1H-Indene, 2,3-di...	14.47	10.9	ug/l	1072240	4	13.34	4923770	50.0
Benzene, 2-etheny...	14.59	40.7	ug/l	4005630	4	13.34	4923770	50.0
Benzene, (2-methy...	14.95	6.7	ug/l	658555	4	13.34	4923770	50.0