LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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	4.584	864	874	927	rVB6	234363	1140020	1.78%	0.369%
2	5.050	992	1019	1045	rBV3	403911	1466421	2.29%	0.475%
3	5.924	1267	1291	1313	rBV	224417	712445	1.11%	0.231%
4	6.625	1486	1509	1527	rBV2	1162381	3662547	5.72%	1.187%
5	7.387	1733	1746	1767	rVB2	282748	741914	1.16%	0.240%
6	7.593	1784	1810	1818	rBV	1053446	2736209	4.27%	0.886%
7	7.661	1819	1831	1848	rVB4	2740504	7312624	11.42%	2.369%
8	8.027	1929	1945	1971	rBV2	1065417	2605470	4.07%	0.844%
9	8.166	1971	1988	2000	rVV7	426547	1244616	1.94%	0.403%
10	8.233	2000	2009	2021	rVV3	305250	794988	1.24%	0.258%
11	8.301	2021	2030	2050	rVB2	259421	686733	1.07%	0.222%
12	8.584	2101	2118	2141	rBV2	3356466	8428608	13.16%	2.731%
13	8.863	2197	2205	2235	rVB	491228	1077534	1.68%	0.349%
14	9.079	2246	2272	2288	rBV	1824150	4671953	7.30%	1.514%
15	9.612	2425	2438	2449	rBV2	1497581	2940244	4.59%	0.953%
16	9.966	2536	2548	2572	rVB	1071317	2137752	3.34%	0.693%
17	10.091	2572	2587	2620	rBV	3945339	8370460	13.07%	2.712%
18	10.291	2631	2649	2660	rBV5	275405	658749	1.03%	0.213%
19	10.516	2708	2719	2737	rVB3	691190	1430697	2.23%	0.464%
20	11.407	2983	2996	3010	rBV	3372516	6325465	9.88%	2.049%
21	12.249	3245	3258	3291	rVB	5788734	10007736	15.63%	3.242%
22	12.400	3292	3305	3323	rBV	2770584	4898336	7.65%	1.587%
23	12.590	3351	3364	3387	rVB	17450408	28784411	44.96%	9.325%
24	12.892	3444	3458	3470	rBV	666483	1138285	1.78%	0.369%
25	13.169	3529	3544	3557	rBV3	1161562	2583166	4.03%	0.837%
26	13.342	3587	3598	3619	rVB	3191249	5783044	9.03%	1.874%
27	13.541	3639	3660	3671	rBV3	34211542	64025294	100.00%	20.742%
28	13.593	3671	3676	3691	rVV3	1813775	4392341	6.86%	1.423%
29	13.673	3691	3701	3711	rVB	1365008	2229067	3.48%	0.722%
30	13.889	3755	3768	3778	rBV	13204642	20458809	31.95%	6.628%
31	13.947	3778	3786	3792	rVV	3169486	5019116	7.84%	1.626%
32	13.995	3792	3801	3816	rVB2	11737479	19081678	29.80%	6.182%
33	14.130	3833	3843	3852	rBV	480017	775410	1.21%	0.251%
34	14.210	3852	3868	3885	rVB	7691412	12365147	19.31%	4.006%

LSC Area Percent Report

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Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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	14.294	3885	3894	3900	rBV2	399511	646108	1.01%	0.209%
36	14.429	3922	3936	3941	rBV3	407394	798934	1.25%	0.259%
37	14.477	3941	3951	3961	rVV	7564503	12228230	19.10%	3.962%
38	14.593	3972	3987	3999	rVV3	16868267	33409993	52.18%	10.824%
39	14.654	3999	4006	4017	rVB4	753777	1331056	2.08%	0.431%
40	14.738	4024	4032	4041	rBV2	854727	1282520	2.00%	0.415%
41	14.850	4049	4067	4073	rBV4	1689793	3703142	5.78%	1.200%
42	14.886	4074	4078	4086	rVV	964480	1367170	2.14%	0.443%
43	14.956	4088	4100	4111	rVB2	1929096	4167323	6.51%	1.350%
44	15.188	4162	4172	4180	rBV	424688	724052	1.13%	0.235%
45	15.242	4180	4189	4198	rBV5	582477	1376069	2.15%	0.446%
46	15.416	4231	4243	4255	rBV	760640	1358136	2.12%	0.440%
47	15.577	4280	4293	4298	rBV2	706100	1367296	2.14%	0.443%
48	15.699	4321	4331	4340	rBV	357959	686407	1.07%	0.222%
49	15.770	4343	4353	4362	rVV3	426311	973569	1.52%	0.315%
50	15.911	4384	4397	4428	rBV2	816497	1792946	2.80%	0.581%
51	16.352	4520	4534	4547	rBV6	308152	771768	1.21%	0.250%

Sum of corrected areas: 308672008

LSC Report - Integrated Chromatogram

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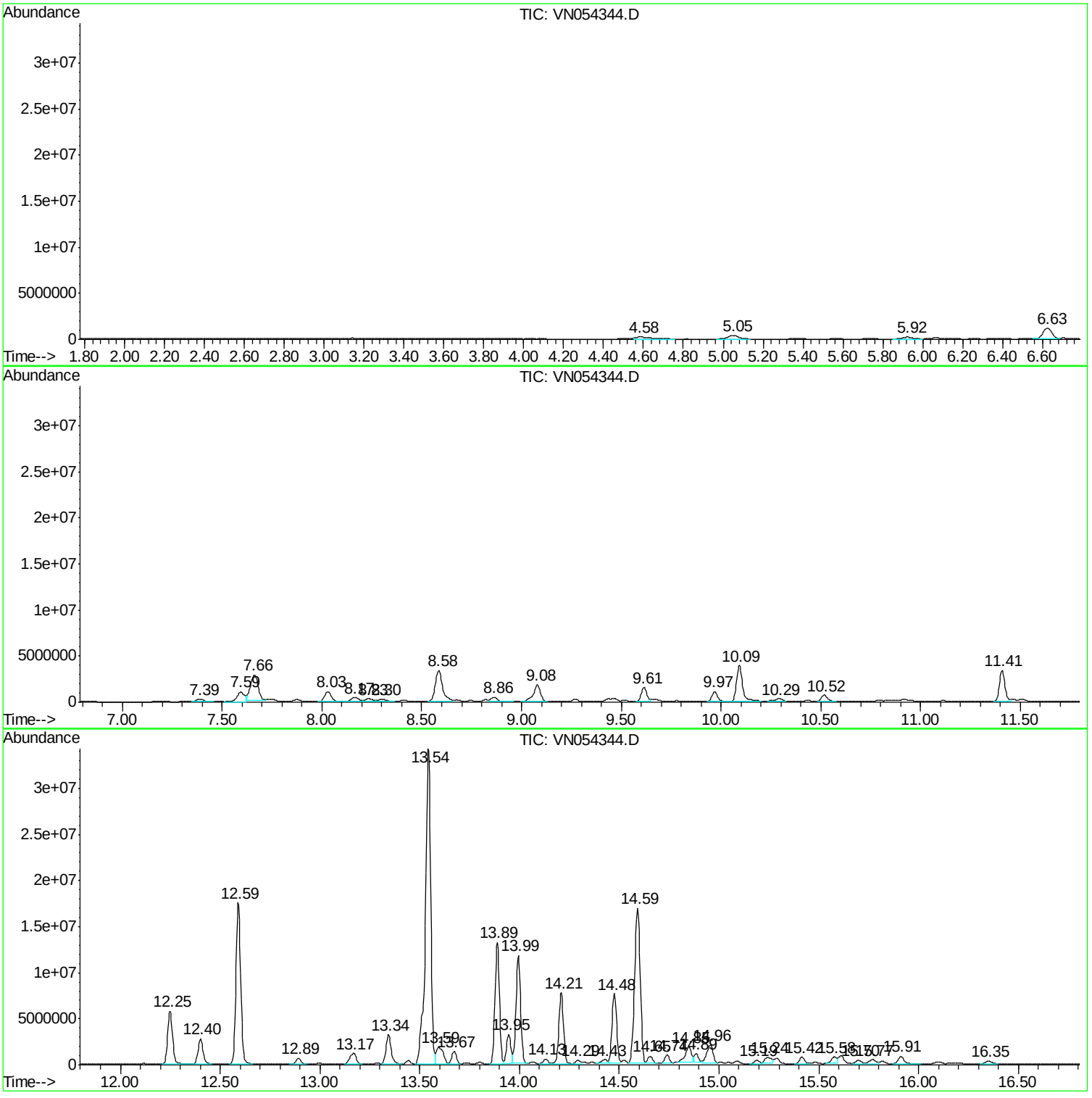
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-031419

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

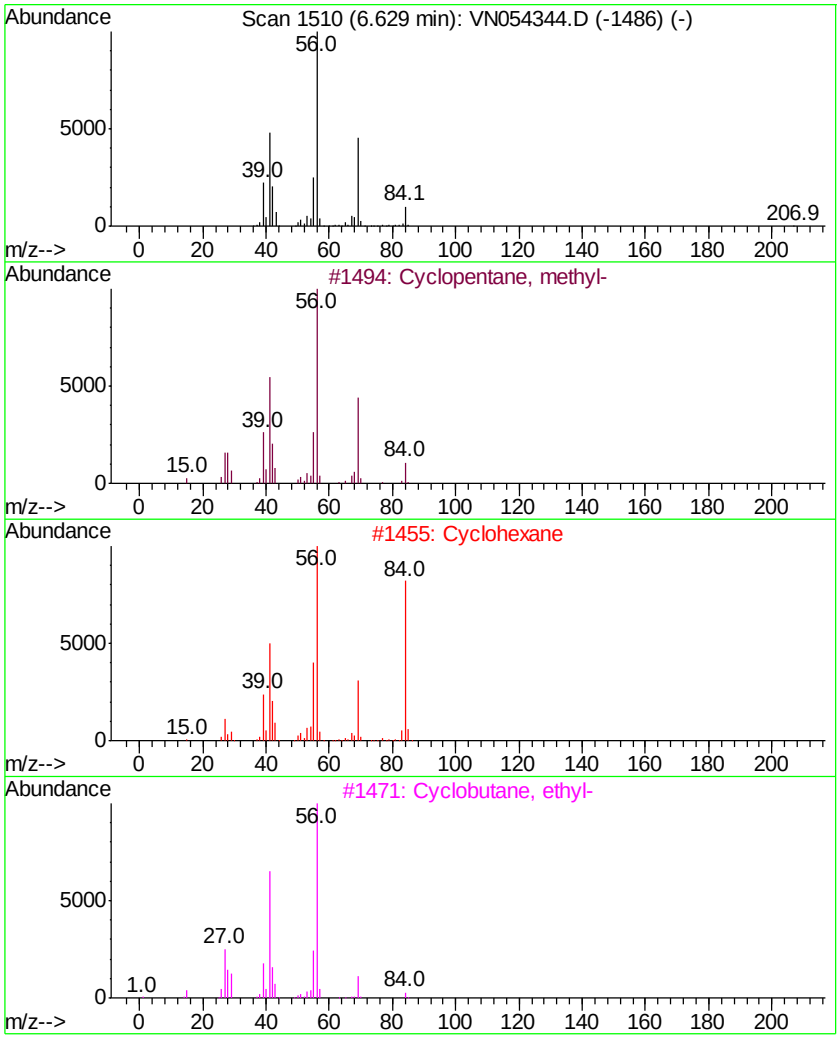
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

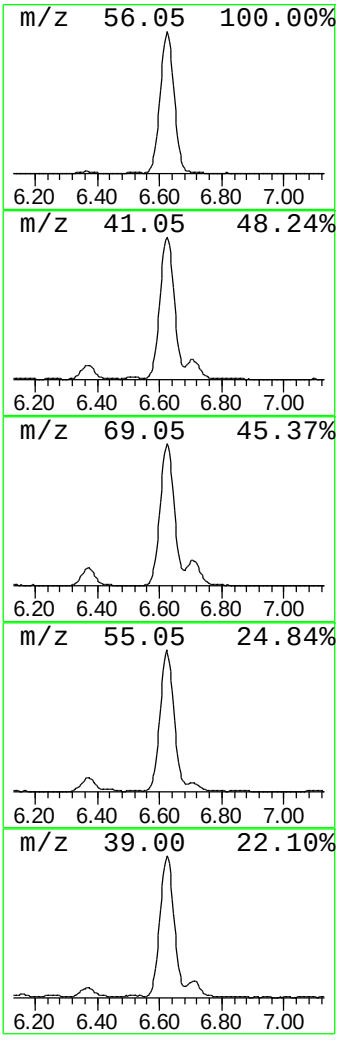
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	25.04 ug/l	3662550	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

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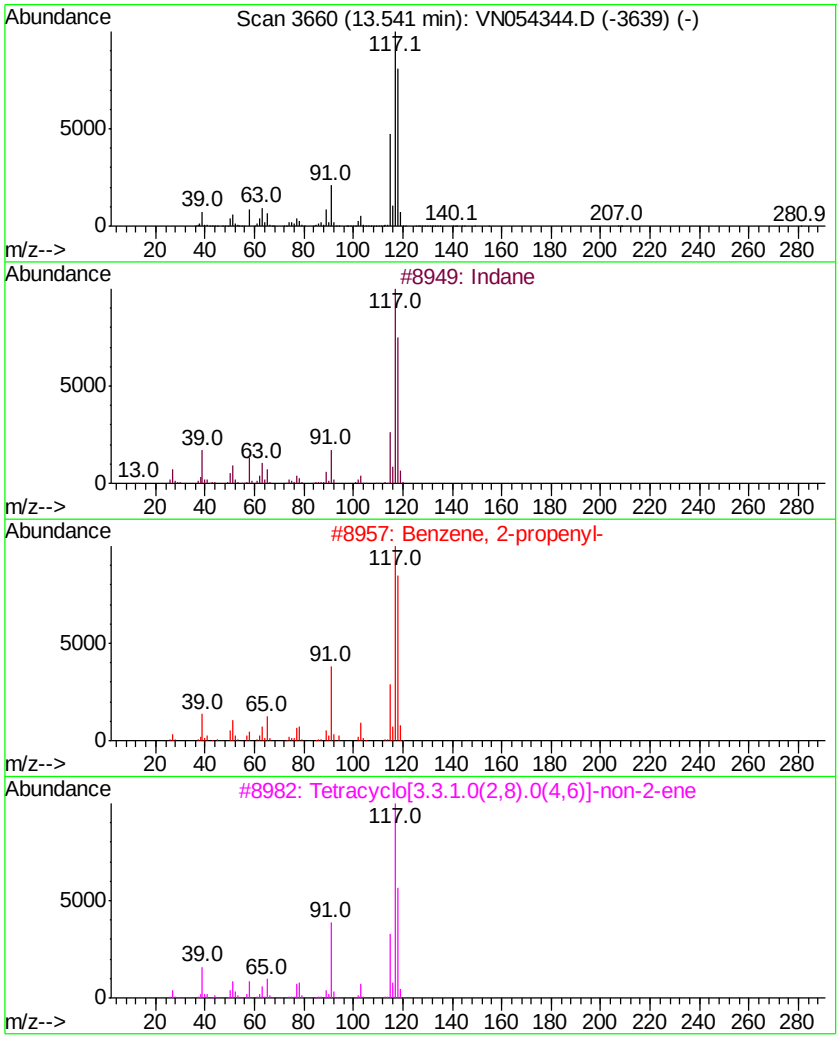
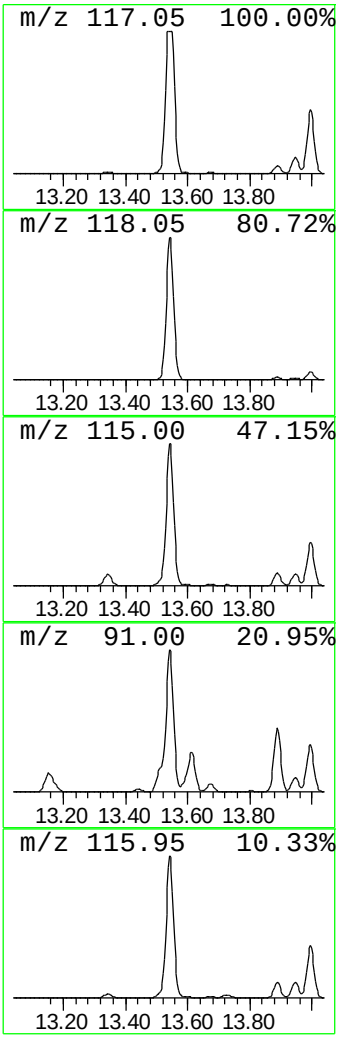
Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	553.56 ug/l	64025300	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

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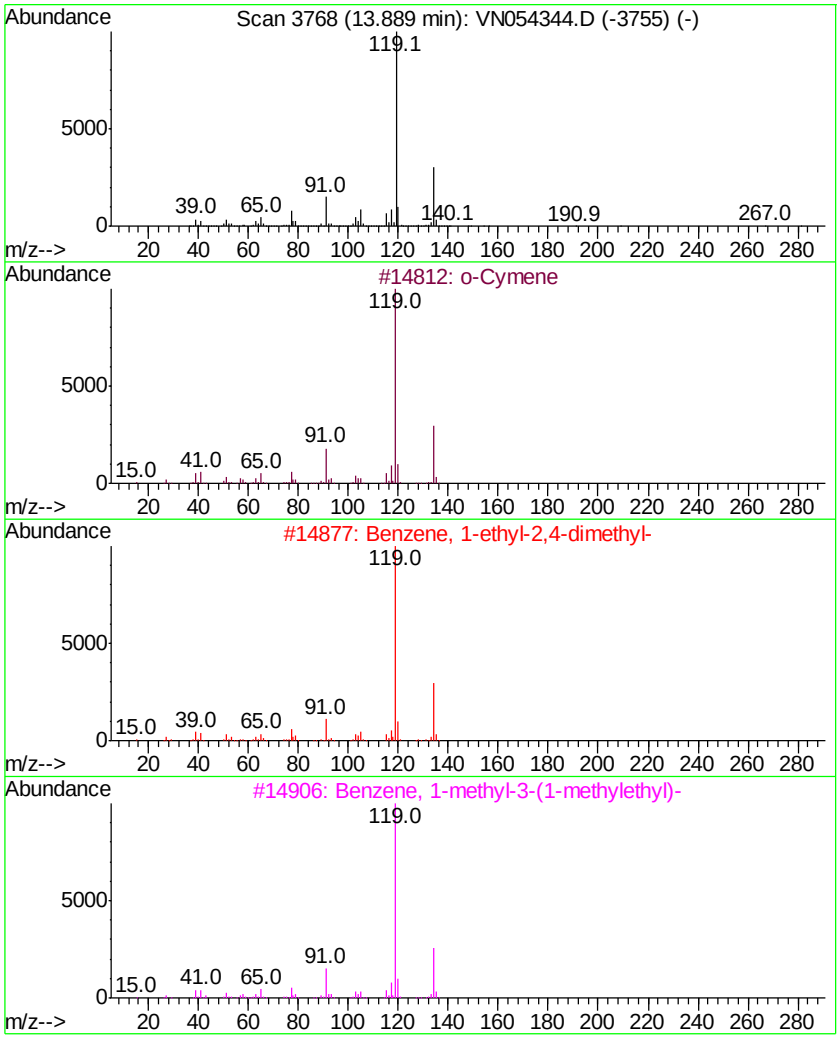
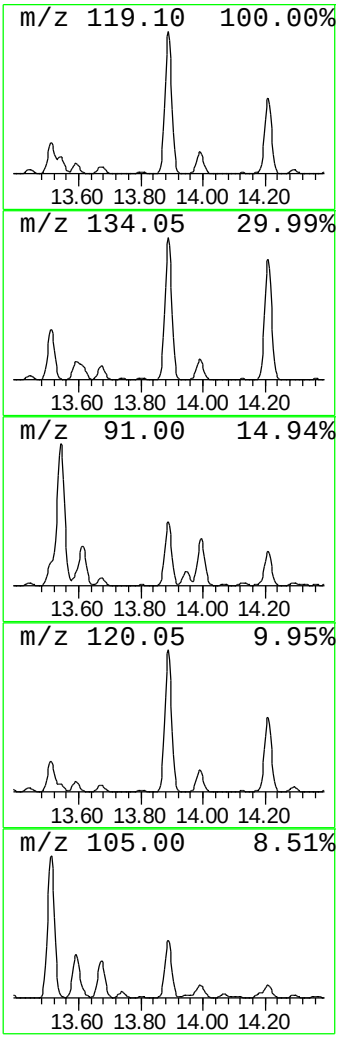
Peak Number 3 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	176.89 ug/l	20458800	1,4-Dichlorobenzene-d4	13.35

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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

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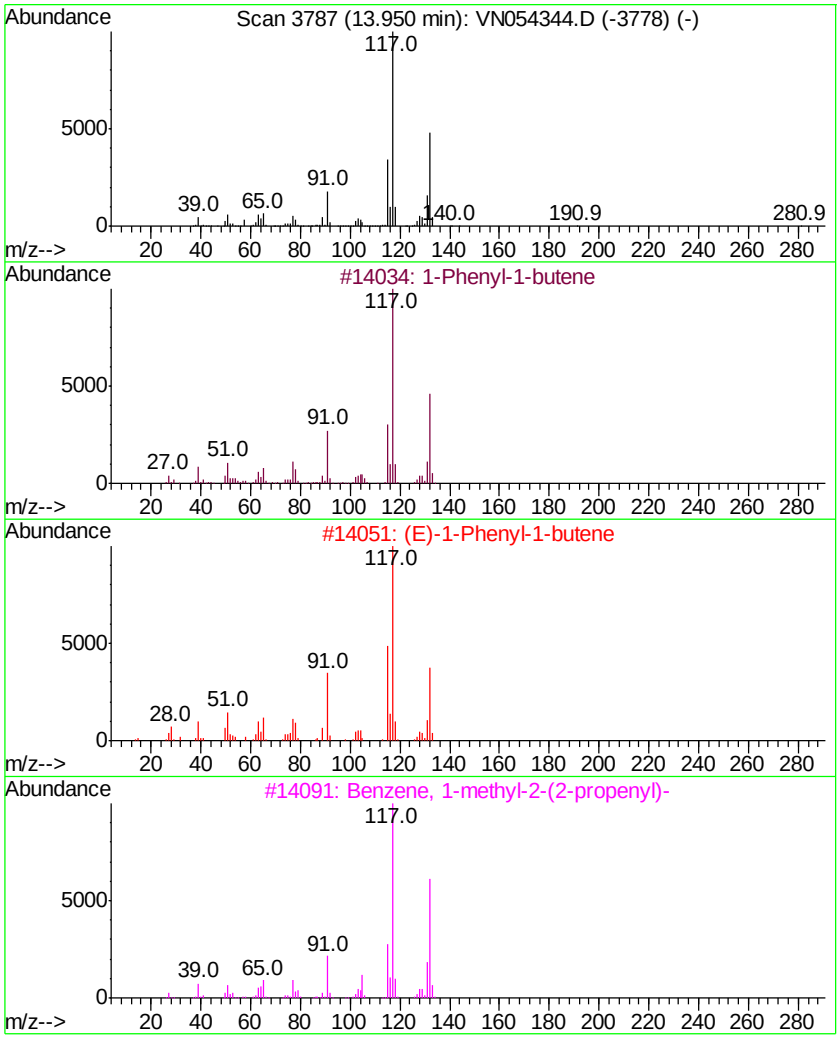
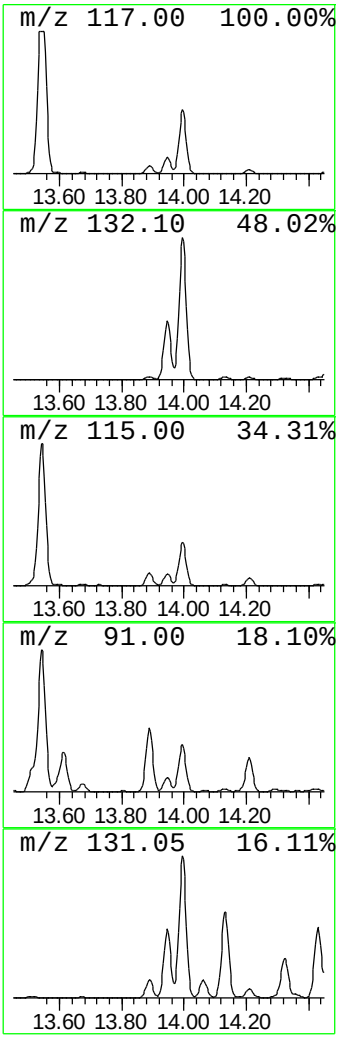
Peak Number 4 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	43.40 ug/l	5019120	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91





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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

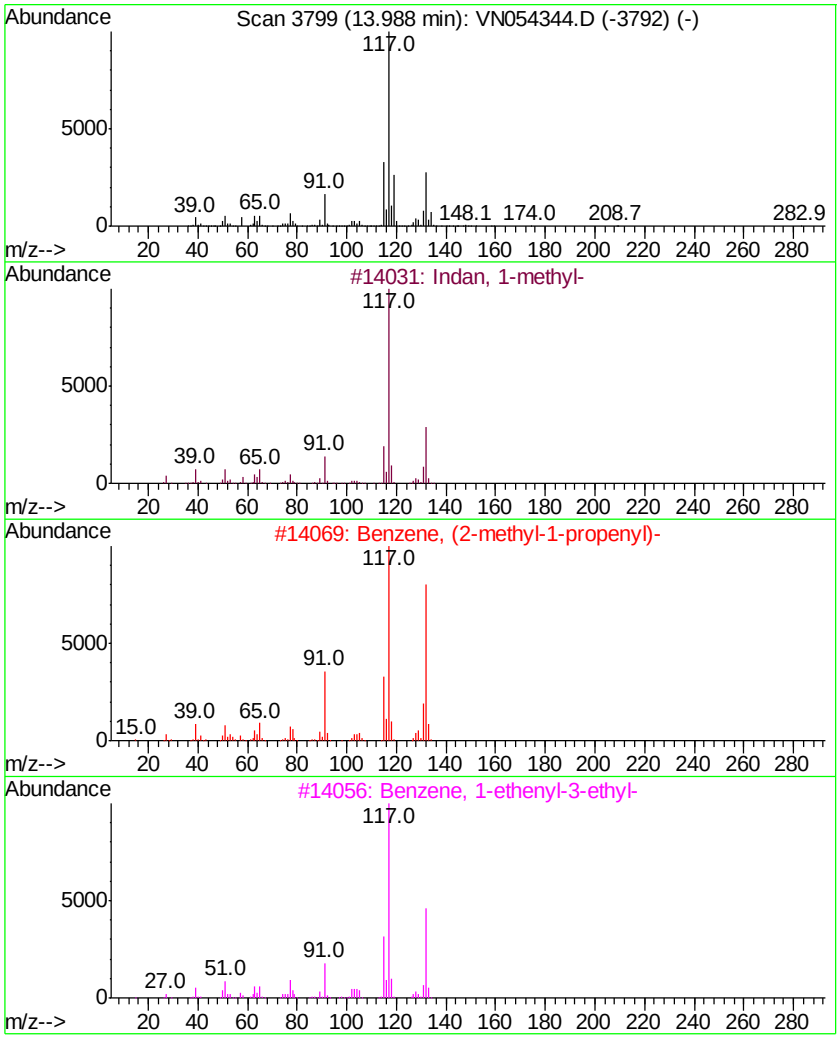
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

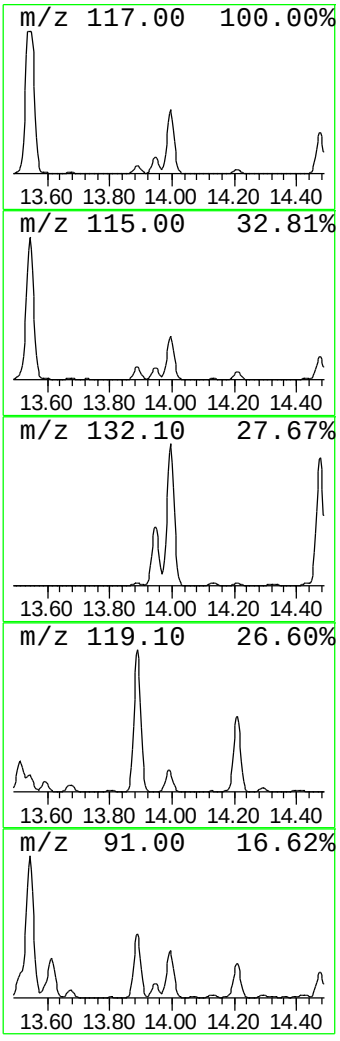
****

Peak Number 5 Indan, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	164.98 ug/l	19081700	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	72
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	72





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Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

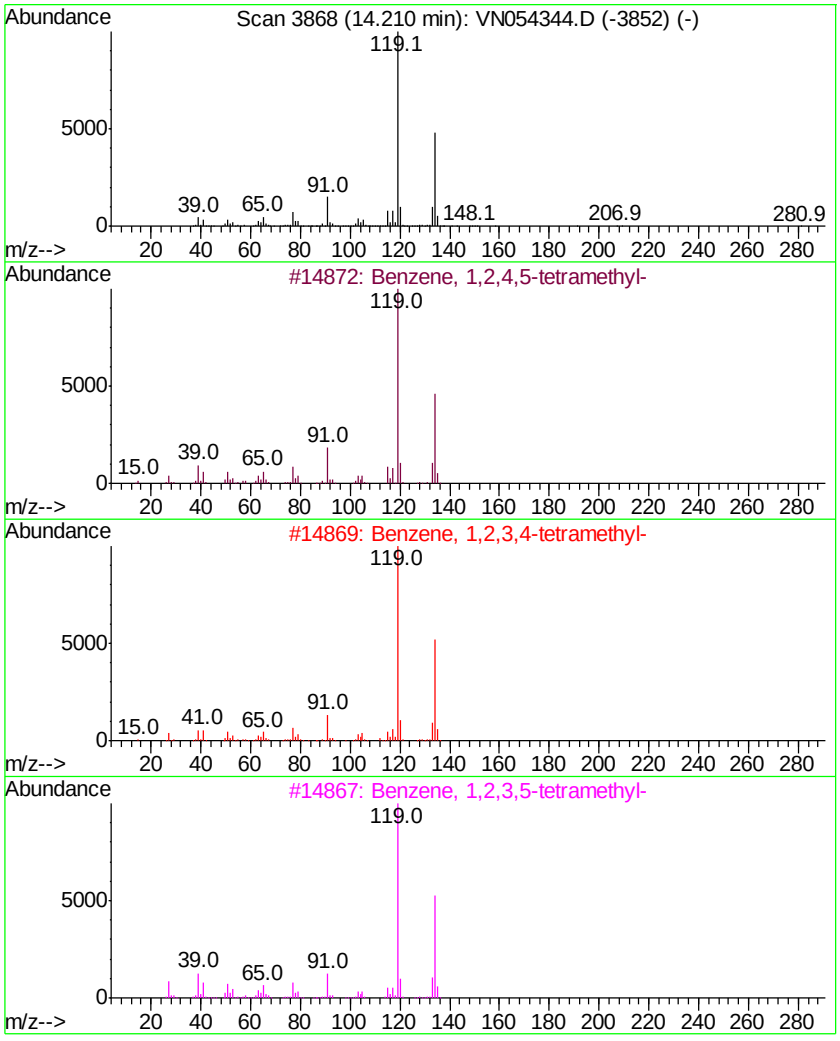
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

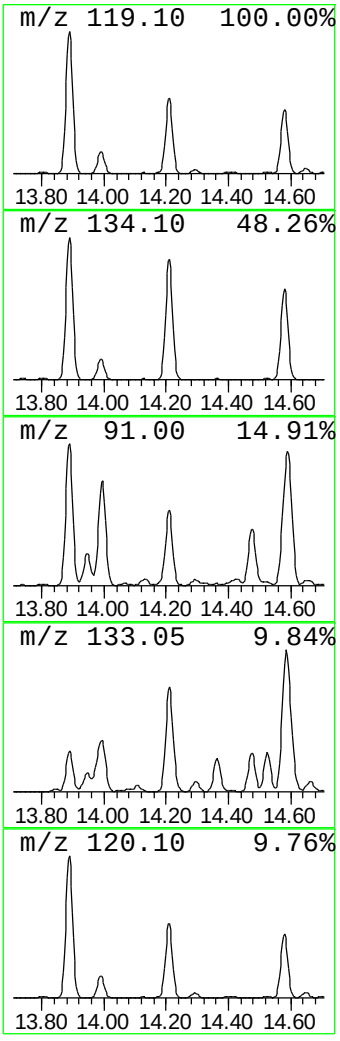
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	106.91 ug/l	12365100	1,4-Dichlorobenzene-d4	13.35

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, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





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Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

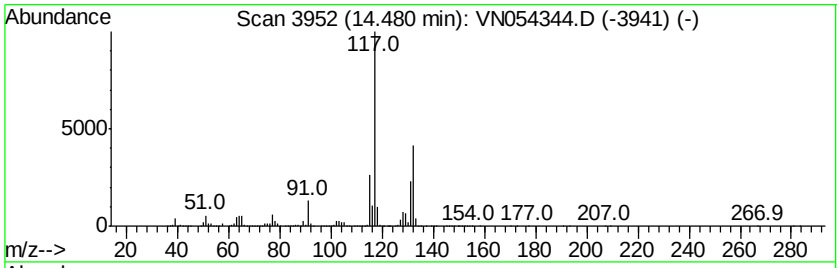
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

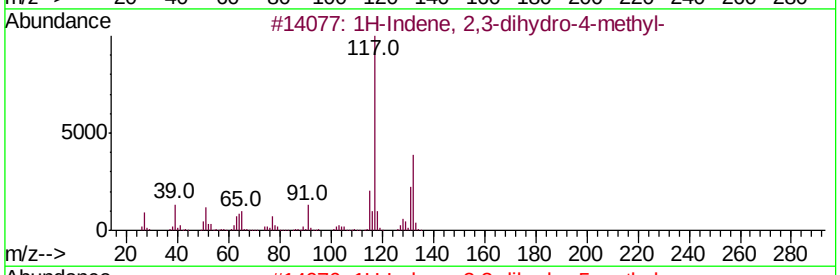
****

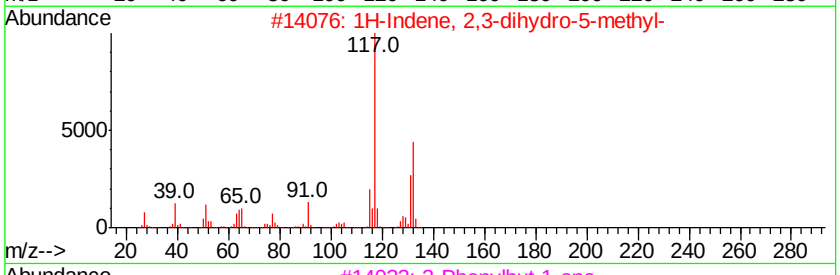
Peak Number 7 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 6

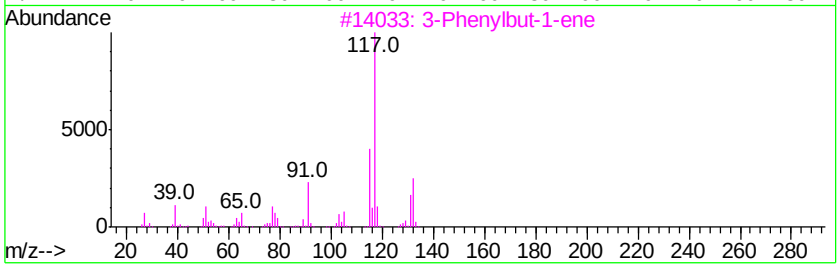
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	105.73 ug/l	12228200	1,4-Dichlorobenzene-d4	13.35

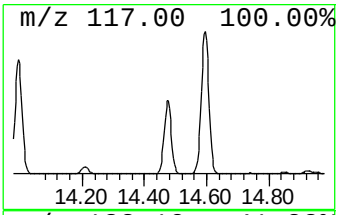
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87

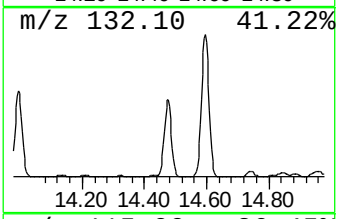


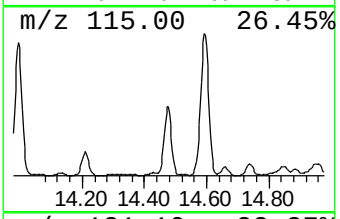


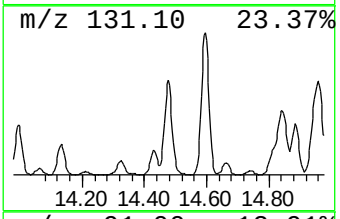


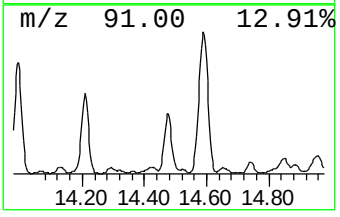












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

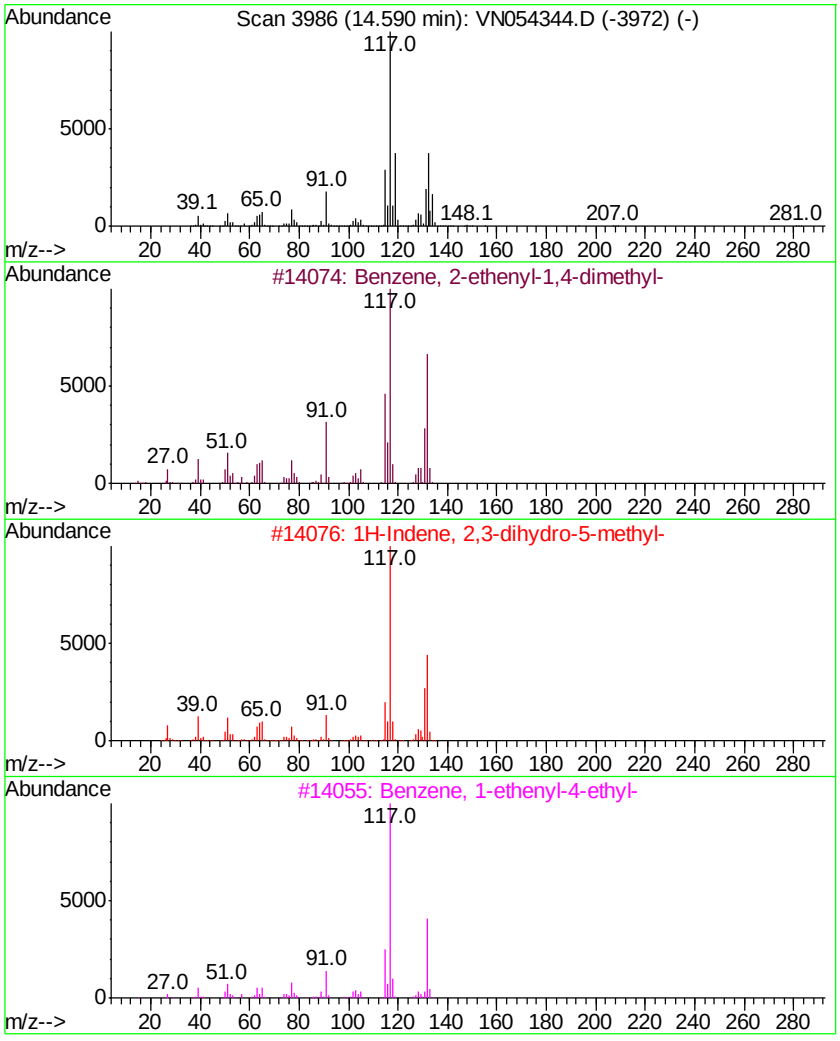
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

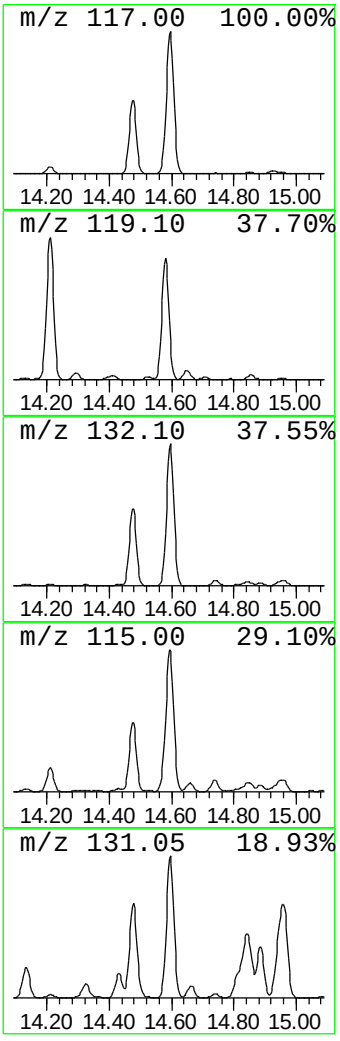
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	288.86 ug/l	33410000	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

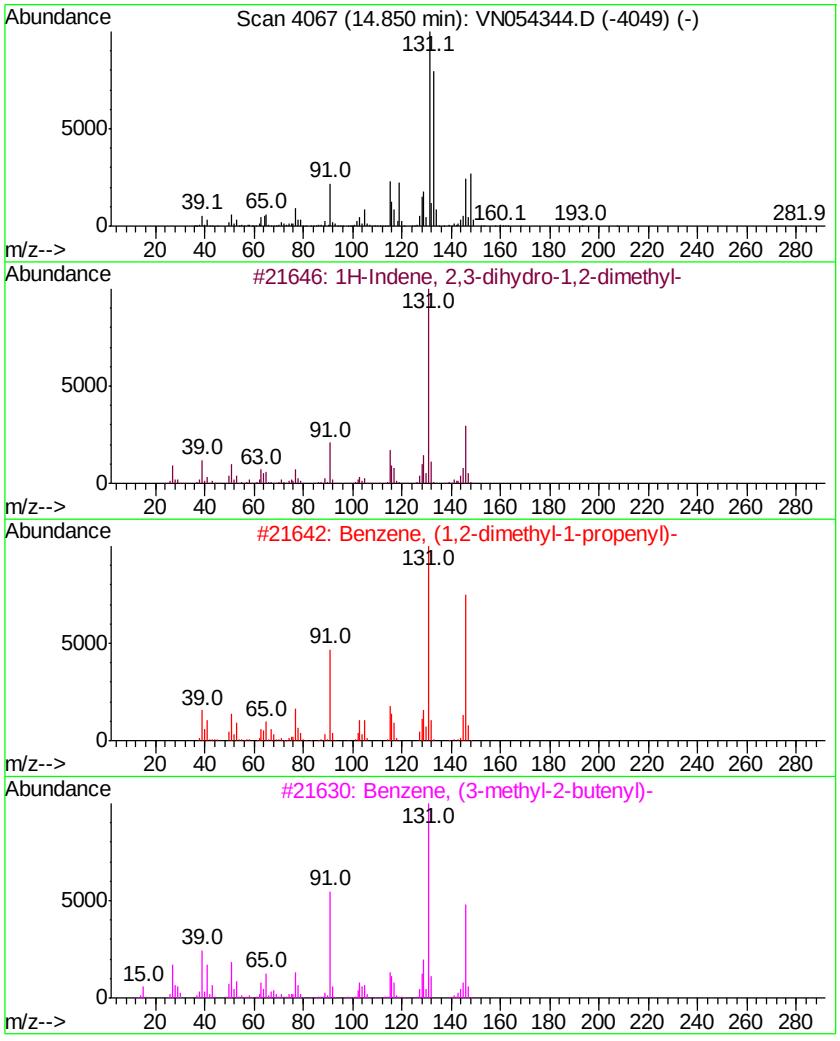
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

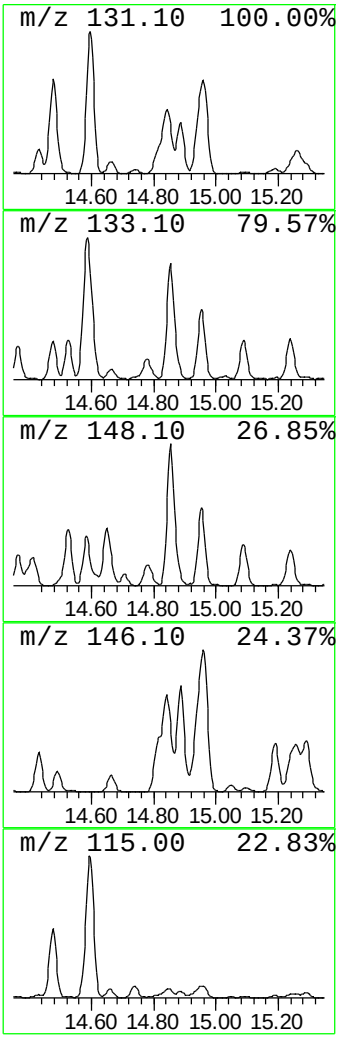
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	32.02 ug/l	3703140	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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

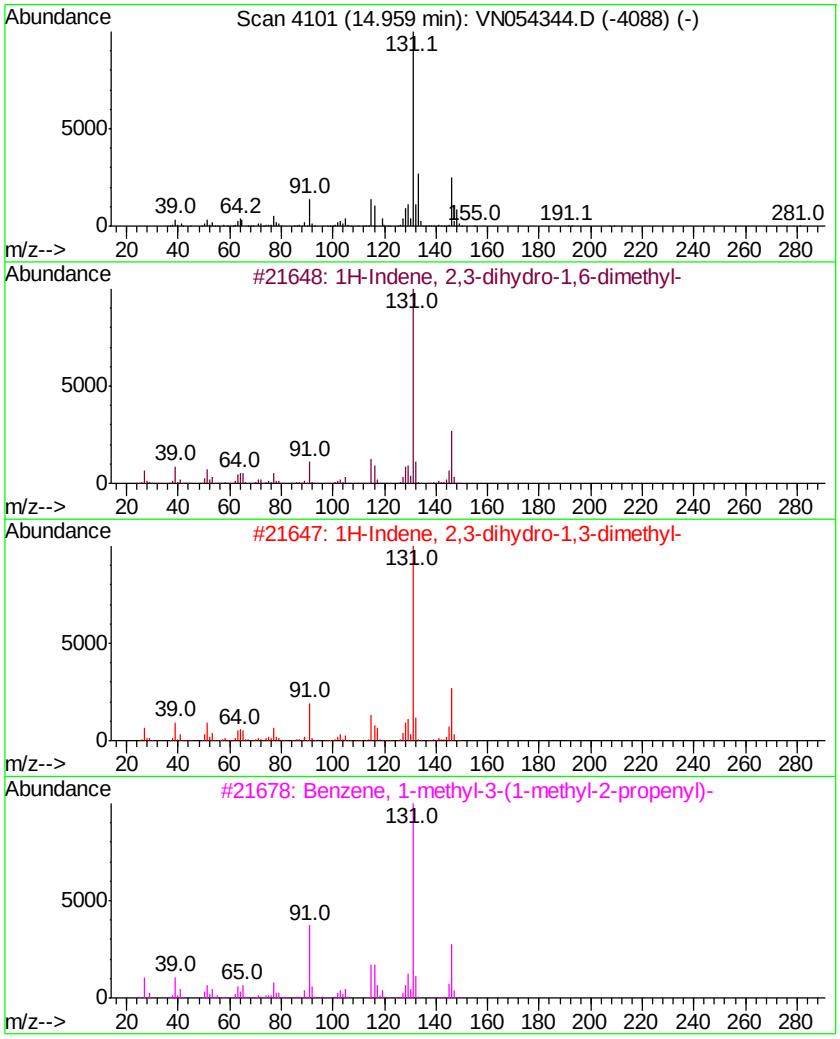
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

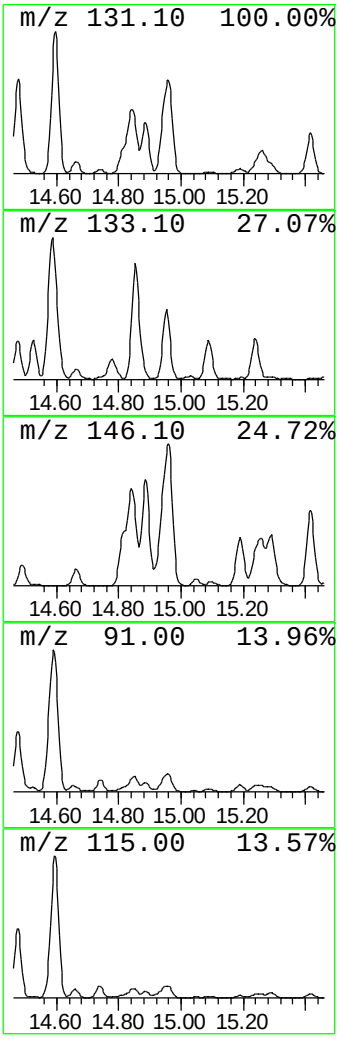
****

Peak Number 10 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	36.03 ug/l	4167320	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	81
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054344.D
Acq On : 16 Mar 2019 18:35
Operator : JC/SP
Sample : K1960-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-5-9.0-031419

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
Cyclopentane, met...	6.63	25.0	ug/l	3662550	1	7.67	7312620	50.0
Indane	13.54	553.6	ug/l	64025300	4	13.35	5783040	50.0
o-Cymene	13.89	176.9	ug/l	20458800	4	13.35	5783040	50.0
1-Phenyl-1-butene	13.95	43.4	ug/l	5019120	4	13.35	5783040	50.0
Indan, 1-methyl-	13.99	165.0	ug/l	19081700	4	13.35	5783040	50.0
Benzene, 1,2,4,5-...	14.21	106.9	ug/l	12365100	4	13.35	5783040	50.0
1H-Indene, 2,3-di...	14.48	105.7	ug/l	12228200	4	13.35	5783040	50.0
Benzene, 2-etheny...	14.59	288.9	ug/l	33410000	4	13.35	5783040	50.0
1H-Indene, 2,3-di...	14.85	32.0	ug/l	3703140	4	13.35	5783040	50.0
1H-Indene, 2,3-di...	14.96	36.0	ug/l	4167320	4	13.35	5783040	50.0