LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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	7.593	1791	1810	1821	rBV	931277	2339657	1.02%	0.229%
2	7.664	1821	1832	1861	rVB	1470658	3580179	1.56%	0.351%
3	8.034	1927	1947	1971	rBV3	1242782	3240564	1.42%	0.317%
4	8.587	2104	2119	2167	rVB	2418490	5435488	2.37%	0.532%
5	10.091	2572	2587	2599	rBV	3812483	7254364	3.17%	0.710%
6	11.406	2985	2996	3016	rVB	3923019	7240117	3.16%	0.709%
7	11.509	3017	3028	3046	rVV	3590598	6234662	2.72%	0.611%
8	11.619	3048	3062	3092	rVB	4068143	8255529	3.61%	0.808%
9	11.947	3155	3164	3177	rVB	3678316	6098481	2.66%	0.597%
10	12.249	3246	3258	3274	rBV	1788554	3071070	1.34%	0.301%
11	12.403	3294	3306	3318	rBV	3557336	6260014	2.74%	0.613%
12	12.548	3328	3351	3352	rBV2	1700892	4503191	1.97%	0.441%
13	12.657	3375	3385	3390	rBV	6267030	10266353	4.49%	1.005%
14	12.686	3391	3394	3401	rVV	4510668	6553164	2.86%	0.642%
15	12.731	3401	3408	3432	rVB	8074561	14912316	6.52%	1.460%
16	12.892	3446	3458	3476	rBV	3795246	6774409	2.96%	0.663%
17	13.040	3490	3504	3518	rBV	18865080	30452414	13.30%	2.982%
18	13.236	3554	3565	3570	rBV	2425331	4372228	1.91%	0.428%
19	13.287	3575	3581	3590	rVV	4815632	7587442	3.32%	0.743%
20	13.345	3590	3599	3602	rVV	4850038	7130898	3.12%	0.698%
21	13.374	3602	3608	3618	rVB	8476044	13696624	5.98%	1.341%
22	13.545	3639	3661	3689	rBV4	64392680	126058691	55.08%	12.345%
23	13.725	3707	3717	3733	rBV3	1806824	4476891	1.96%	0.438%
24	13.802	3734	3741	3746	rVV	2013058	3258931	1.42%	0.319%
25	13.831	3747	3750	3758	rVB	2229842	2684347	1.17%	0.263%
26	13.889	3758	3768	3778	rVB	5604448	8377610	3.66%	0.820%
27	13.995	3791	3801	3812	rVV	11012980	17534147	7.66%	1.717%
28	14.181	3850	3859	3864	rBV	4796078	7969733	3.48%	0.780%
29	14.274	3874	3888	3902	rVB2	8633922	23334236	10.19%	2.285%
30	14.477	3931	3951	3974	rBV2	15620537	34960585	15.27%	3.424%
31	14.596	3974	3988	3998	rVV3	23756520	44136712	19.28%	4.322%
32	14.657	3998	4007	4020	rVB	4954852	8324320	3.64%	0.815%
33	14.741	4021	4033	4045	rBV	7977749	13140506	5.74%	1.287%
34	14.850	4048	4067	4085	rVV3	3607505	10743379	4.69%	1.052%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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	14.959	4086	4101	4114	rVB3	2673716	6531003	2.85%	0.640%
36	15.065	4123	4134	4139	rBV2	3844347	7309816	3.19%	0.716%
37	15.136	4143	4156	4172	rVV3	110930113	228880715	100.00%	22.415%
38	15.226	4172	4184	4198	rVV2	9558034	22982390	10.04%	2.251%
39	15.290	4199	4204	4214	rVB	2036926	3053266	1.33%	0.299%
40	15.416	4231	4243	4254	rBV	2272259	4161353	1.82%	0.408%
41	15.580	4280	4294	4309	rBV	1956893	5469898	2.39%	0.536%
42	15.715	4323	4336	4344	rBV4	918001	2619375	1.14%	0.257%
43	15.770	4347	4353	4365	rVB2	1635691	3026529	1.32%	0.296%
44	16.098	4439	4455	4461	rVV3	2637543	6201820	2.71%	0.607%
45	16.162	4461	4475	4498	rVB2	59959368	129800167	56.71%	12.711%
46	16.281	4499	4512	4520	rVV2	1658327	3899632	1.70%	0.382%
47	16.352	4520	4534	4554	rVB2	57739945	126929700	55.46%	12.430%

Sum of corrected areas: 1021124916

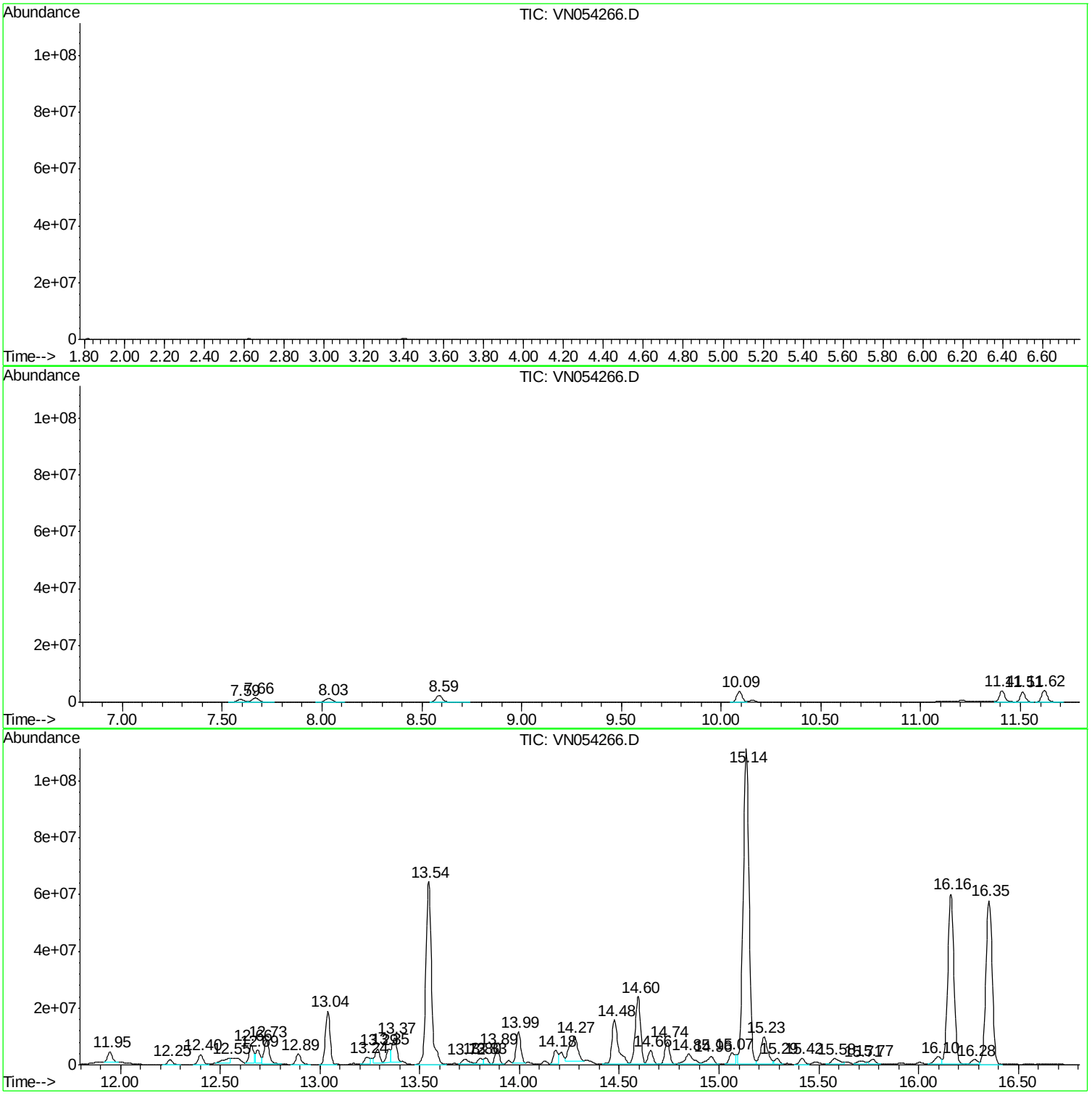
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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

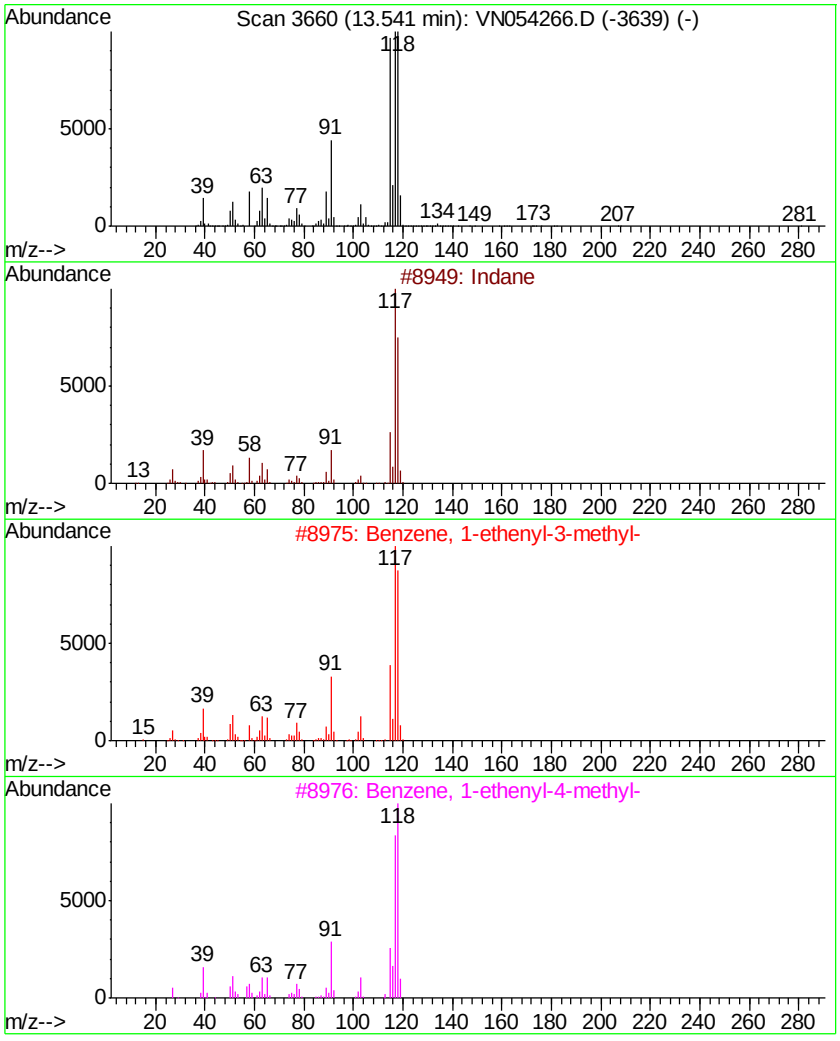
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

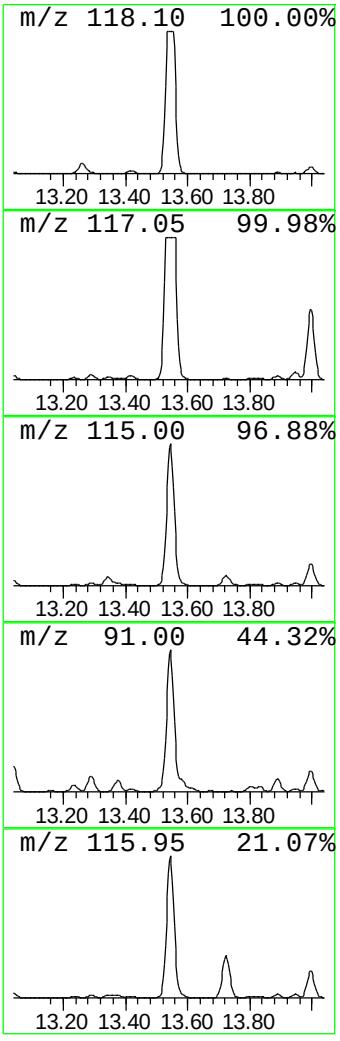
****

Peak Number 1 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	883.89 ug/l	126059000	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	70
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	64
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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

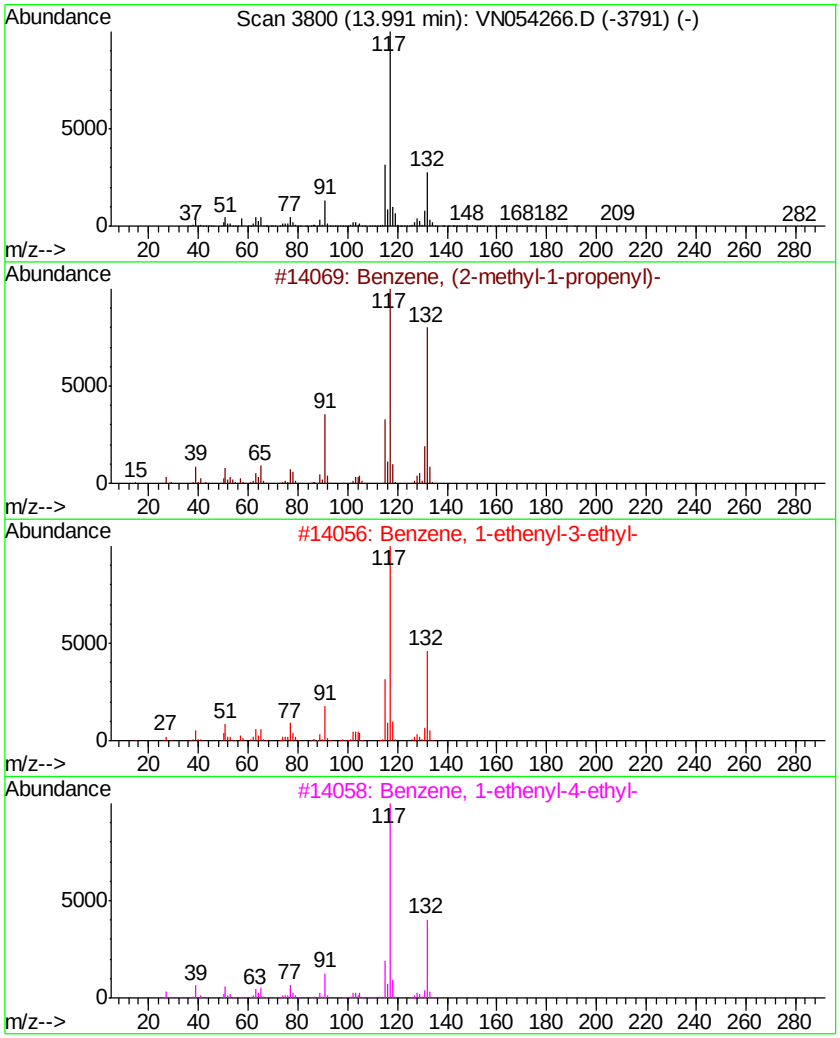
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

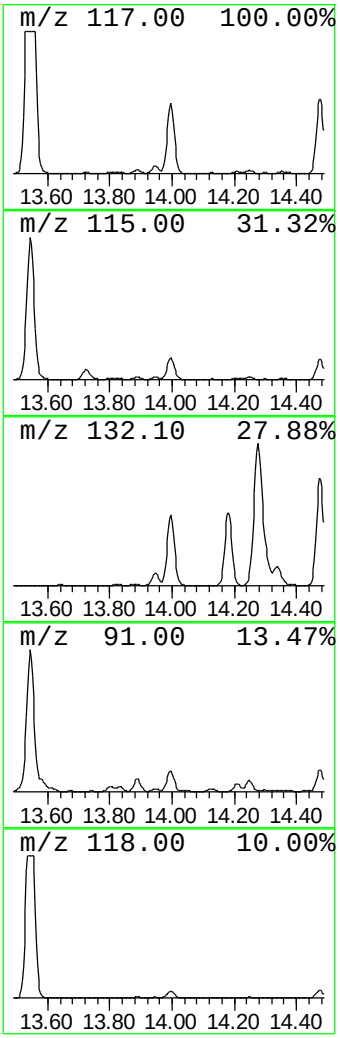
****

Peak Number 2 Benzene, (2-methyl-1-propen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	122.95 ug/l	17534100	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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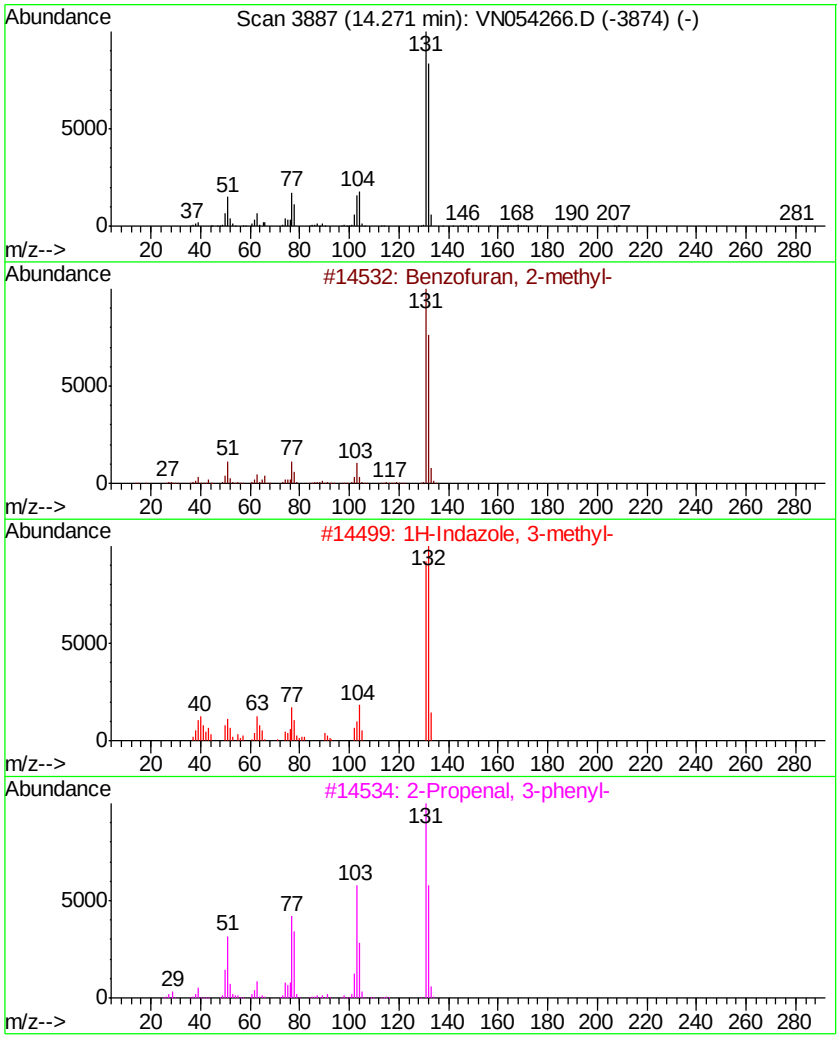
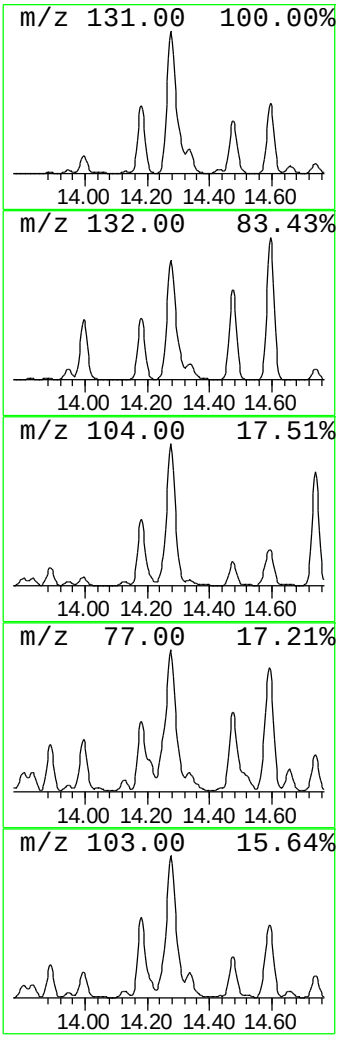
Peak Number 3 Benzofuran, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	163.61 ug/l	23334200	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	1H-Indazole, 3-methyl-	132	C8H8N2	1000316-00-2	90
3	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
5	5-Methylbenzimidazole	132	C8H8N2	000614-97-1	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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

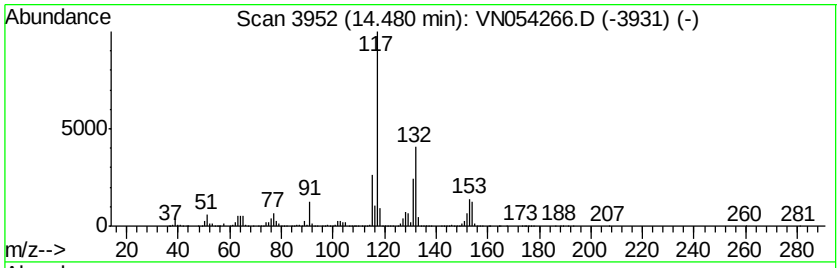
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

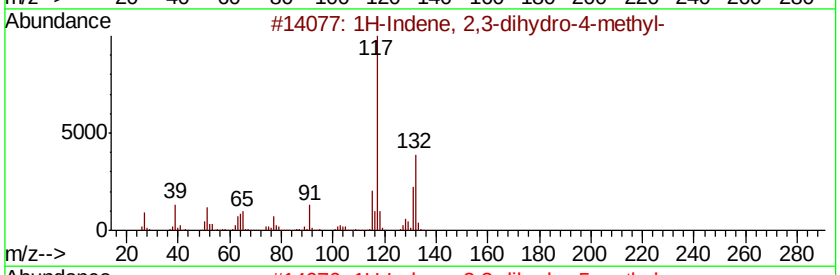
****

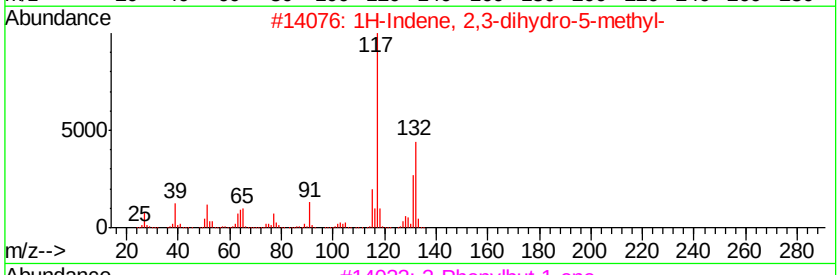
Peak Number 4 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

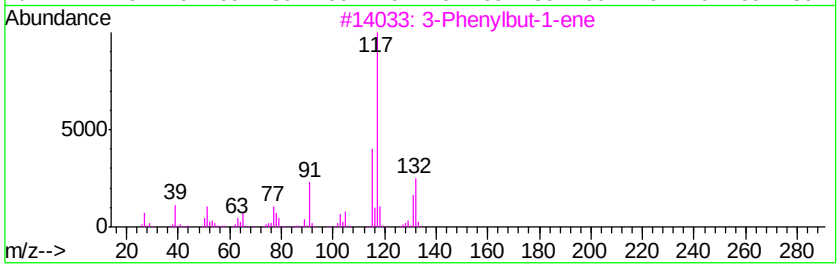
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	245.14 ug/l	34960600	1,4-Dichlorobenzene-d4	13.35

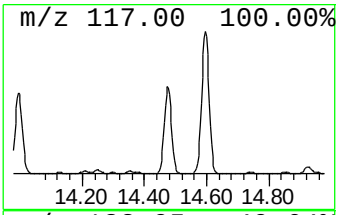
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74

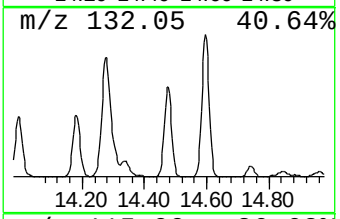


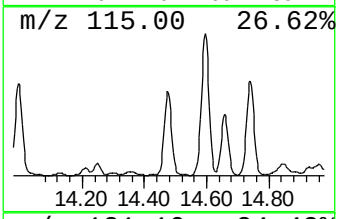


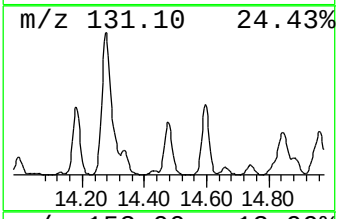


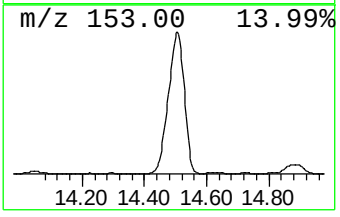












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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

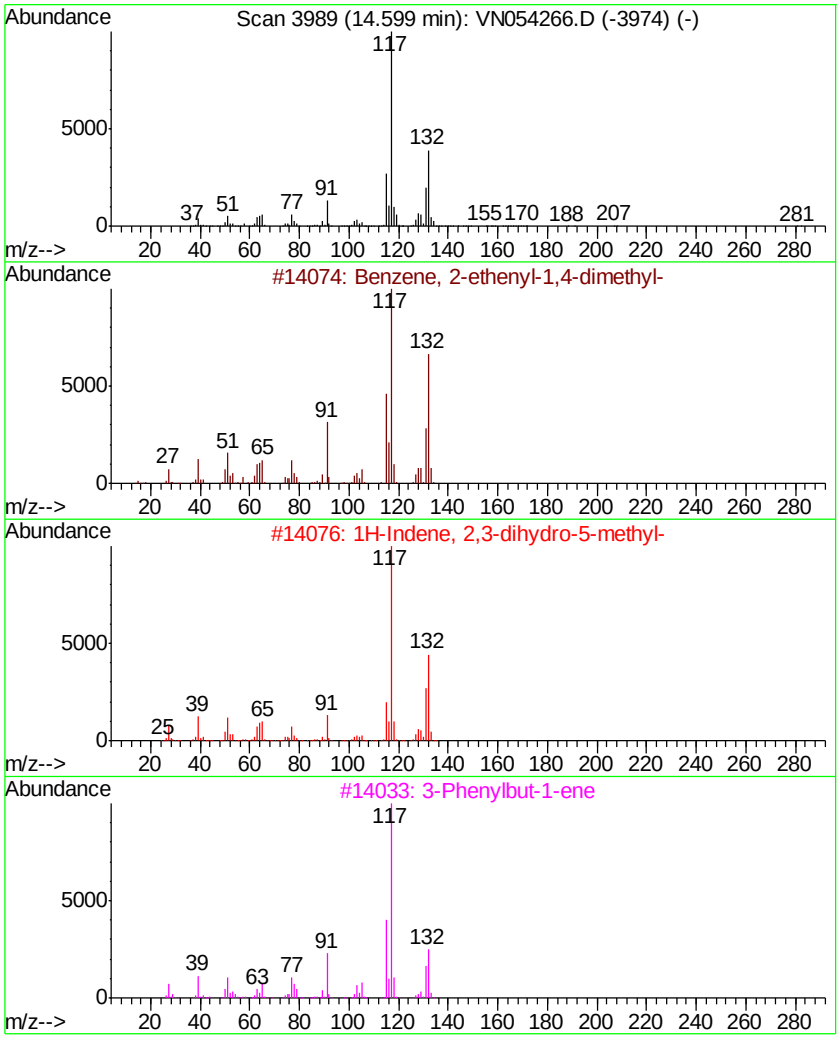
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

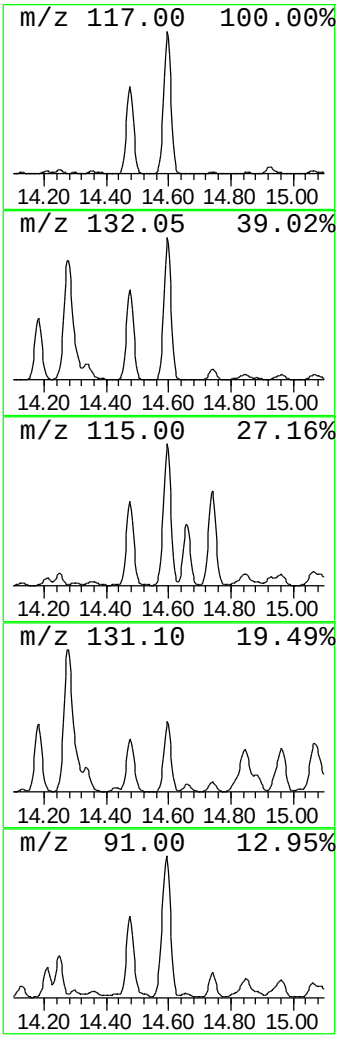
****

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	309.48 ug/l	44136700	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	92
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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

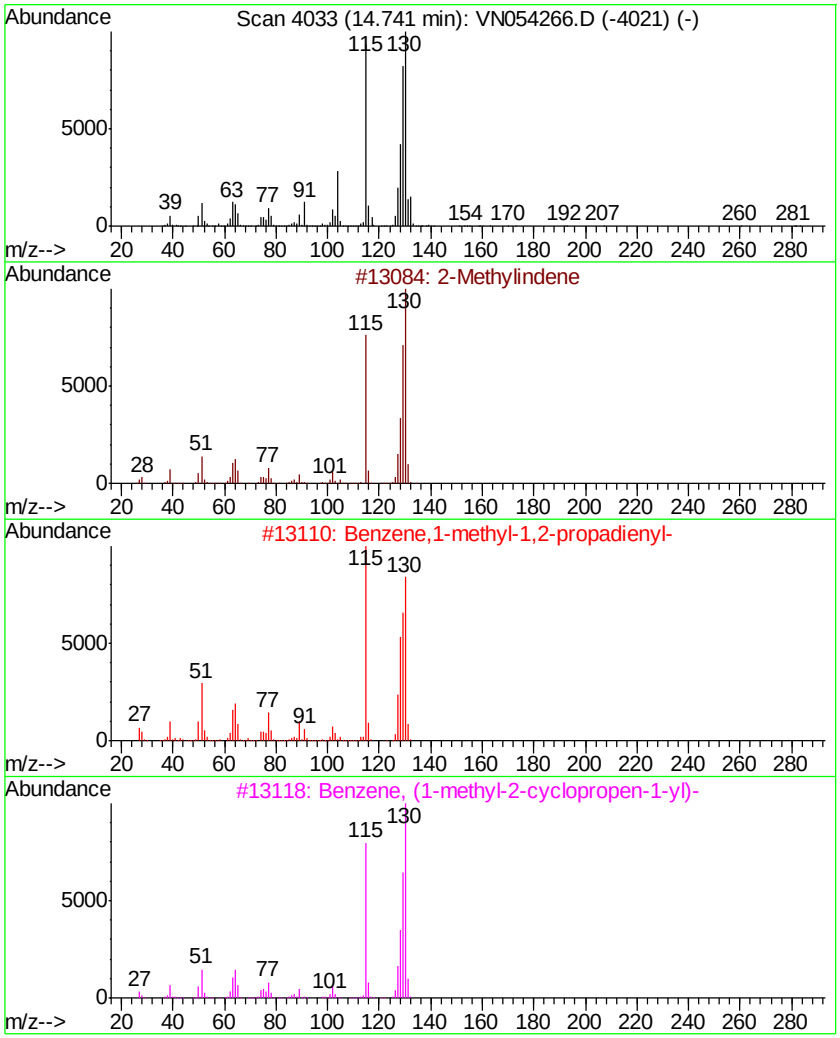
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

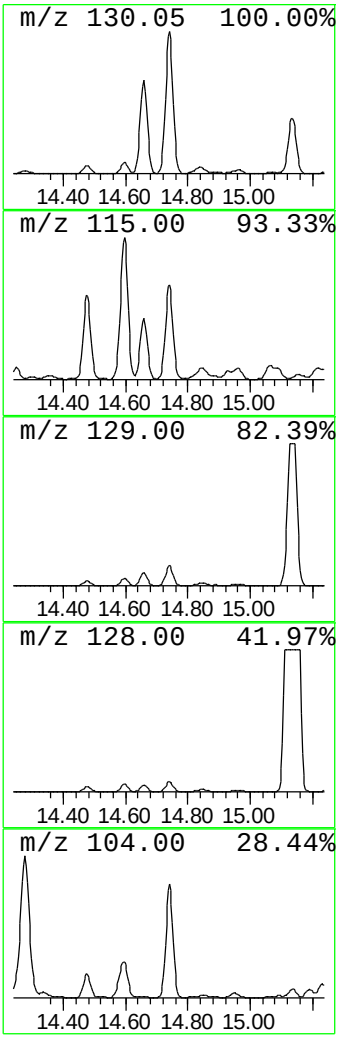
****

Peak Number 6 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	92.14 ug/l	13140500	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	95
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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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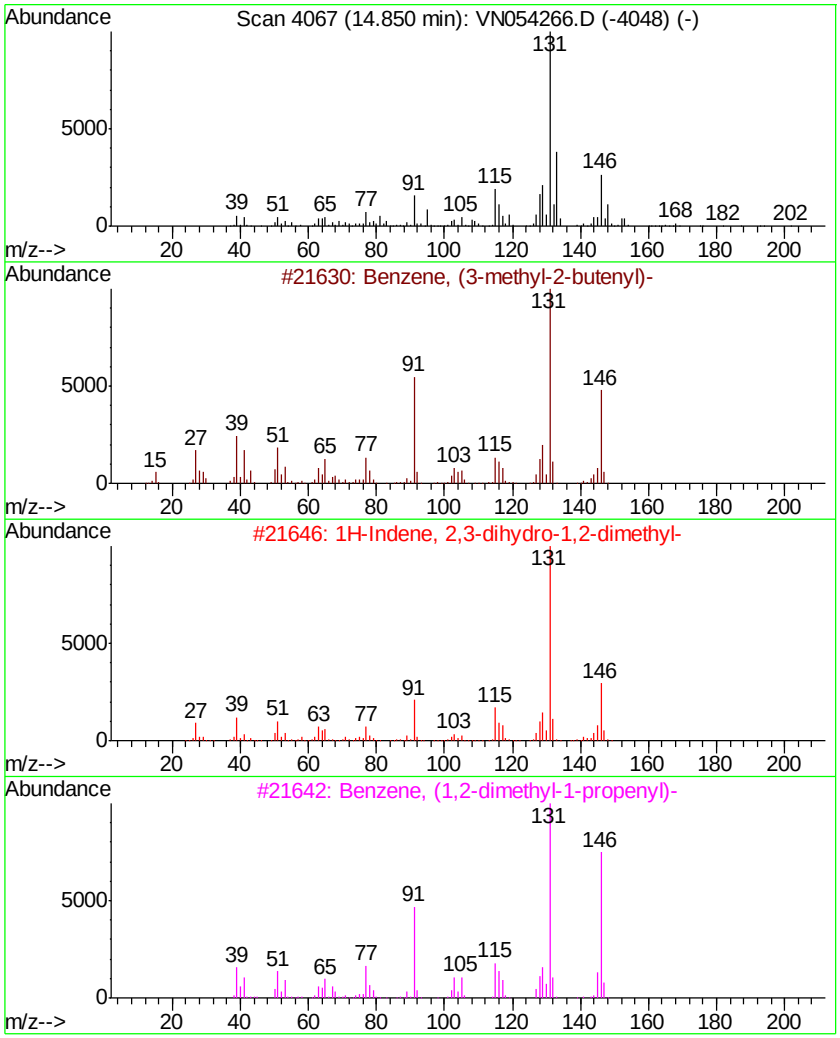
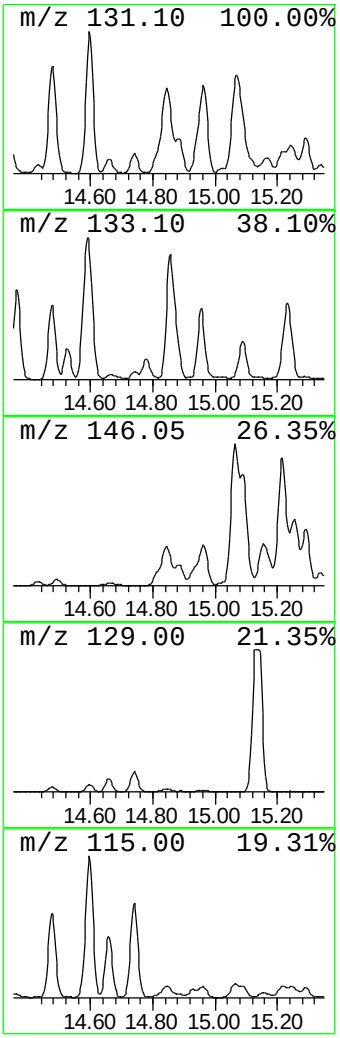
Peak Number 7 Benzene, (3-methyl-2-butenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	75.33 ug/l	10743400	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	68
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	64
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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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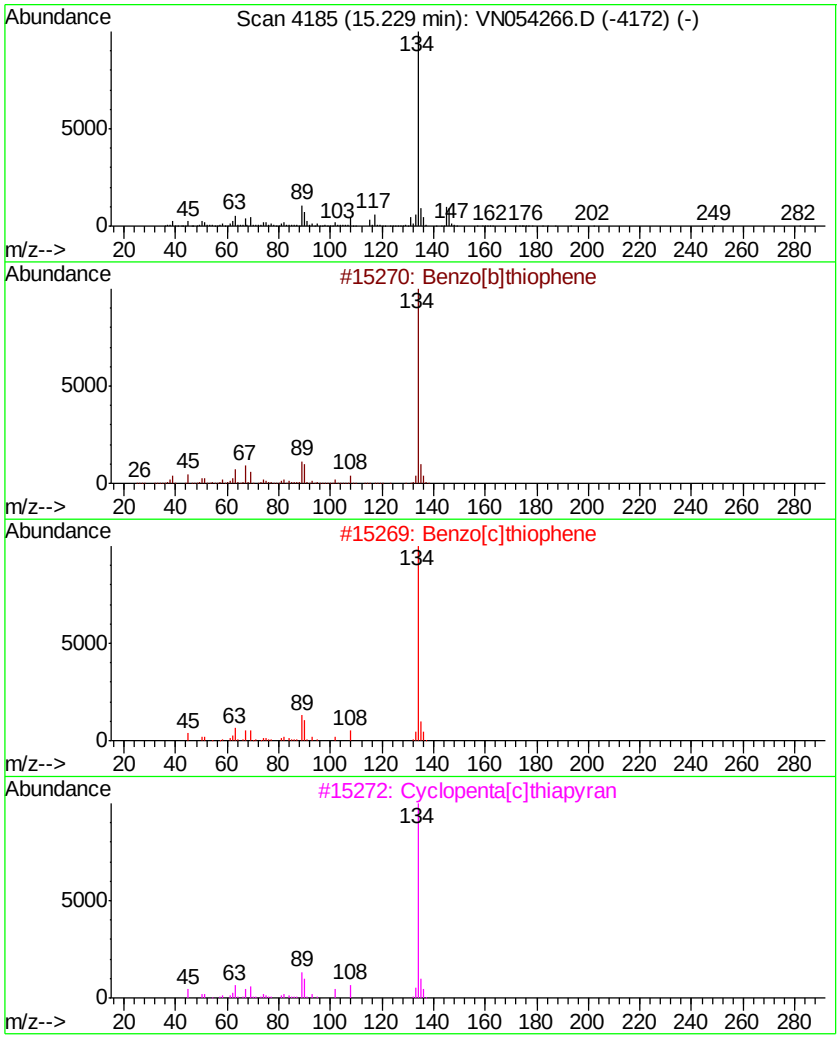
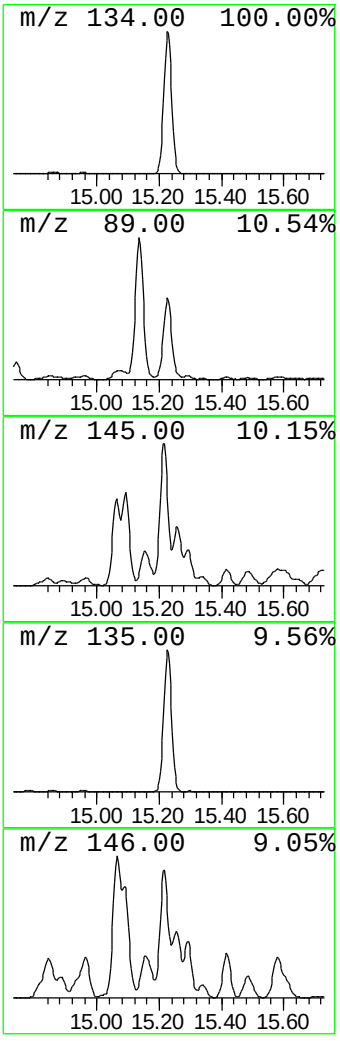
Peak Number 8 Benzo[b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	161.15 ug/l	22982400	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	81
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	81
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	64
4	5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	53
5	2H-1-Benzopyran, 3,4-dihydro-	134	C9H10O	000493-08-3	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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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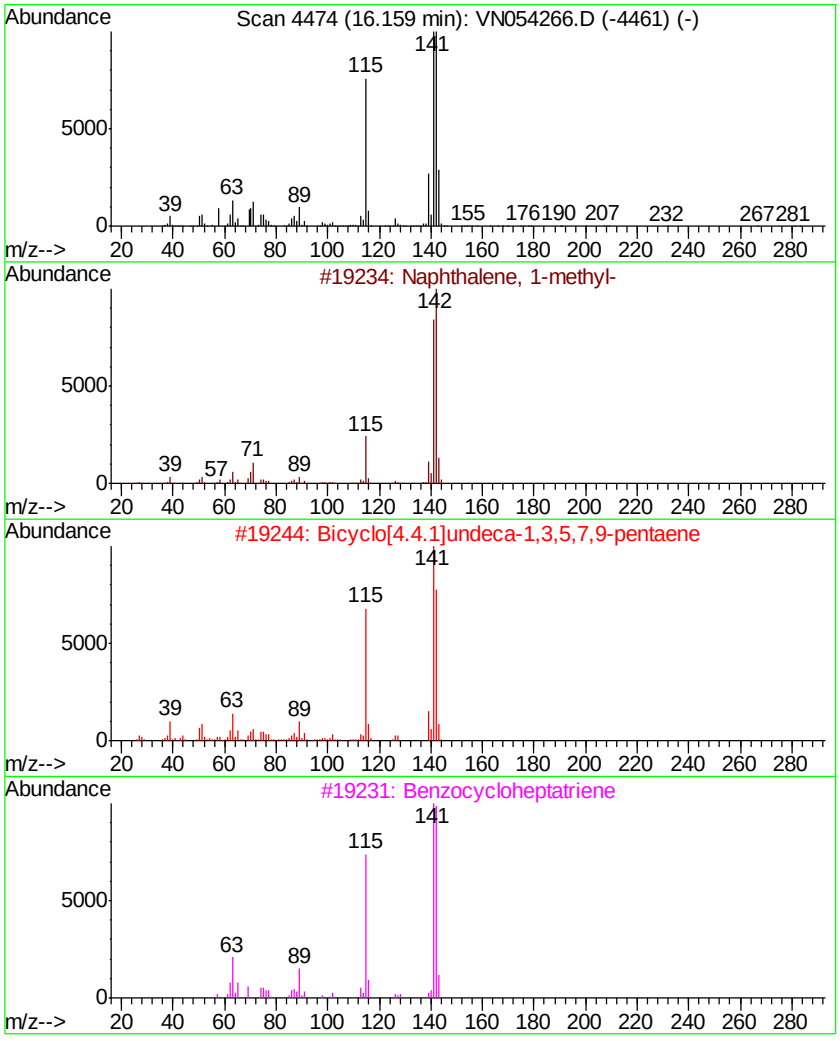
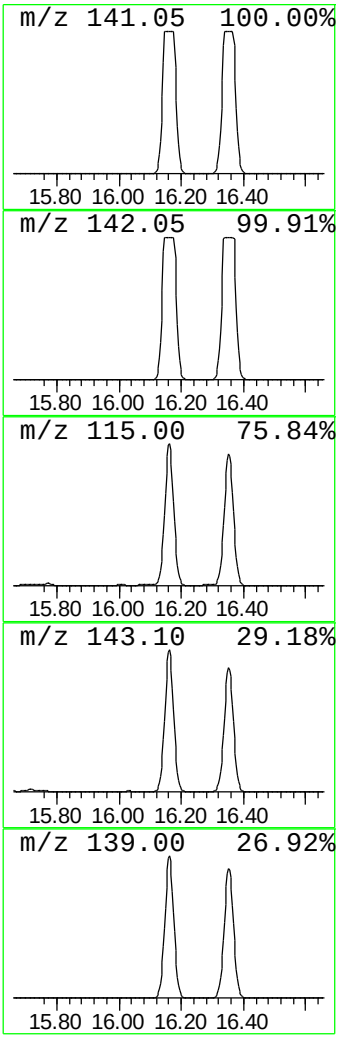
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	910.13 ug/l	129800000	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054266.D
Acq On : 14 Mar 2019 17:09
Operator : JC/SP
Sample : K1899-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-4A

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
Indane	13.54	883.9	ug/l	126059000	4	13.35	7130900	50.0
Benzene, (2-methy...	13.99	123.0	ug/l	17534100	4	13.35	7130900	50.0
Benzofuran, 2-met...	14.27	163.6	ug/l	23334200	4	13.35	7130900	50.0
1H-Indene, 2,3-di...	14.48	245.1	ug/l	34960600	4	13.35	7130900	50.0
Benzene, 2-etheny...	14.60	309.5	ug/l	44136700	4	13.35	7130900	50.0
2-Methylindene	14.74	92.1	ug/l	13140500	4	13.35	7130900	50.0
Benzene, (3-methy...	14.85	75.3	ug/l	10743400	4	13.35	7130900	50.0
Benzo[b]thiophene	15.23	161.2	ug/l	22982400	4	13.35	7130900	50.0
Naphthalene, 1-me...	16.16	910.1	ug/l	129800000	4	13.35	7130900	50.0