LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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	7.667	1821	1833	1867	rVB	1515567	3697937	1.58%	0.357%
2	8.034	1926	1947	1970	rBV3	1236953	3163903	1.35%	0.306%
3	8.587	2104	2119	2169	rVB	2438389	5488562	2.34%	0.531%
4	10.091	2571	2587	2599	rBV	3777245	7290356	3.11%	0.705%
5	11.410	2984	2997	3016	rVB	3809762	6994025	2.99%	0.676%
6	11.513	3017	3029	3046	rVV	3588599	6208184	2.65%	0.600%
7	11.619	3048	3062	3092	rVB	4228940	8508319	3.63%	0.823%
8	11.947	3154	3164	3214	rVB	4072881	8734116	3.73%	0.844%
9	12.249	3246	3258	3278	rBV	1789997	3167306	1.35%	0.306%
10	12.403	3294	3306	3319	rBV	3506099	6113535	2.61%	0.591%
11	12.551	3330	3352	3357	rBV4	687775	2427079	1.04%	0.235%
12	12.654	3374	3384	3390	rBV	6640136	10957888	4.68%	1.059%
13	12.686	3391	3394	3401	rVV	4449553	6297294	2.69%	0.609%
14	12.734	3401	3409	3429	rVB	7885207	13324107	5.69%	1.288%
15	12.892	3446	3458	3477	rBV	3914094	6939651	2.96%	0.671%
16	13.040	3490	3504	3518	rBV	20000110	31660847	13.52%	3.061%
17	13.236	3554	3565	3570	rBV	2450721	4326488	1.85%	0.418%
18	13.287	3575	3581	3590	rVB	5042265	7816898	3.34%	0.756%
19	13.345	3590	3599	3602	rBV	4447552	6447426	2.75%	0.623%
20	13.374	3602	3608	3617	rVB	8677048	13480405	5.76%	1.303%
21	13.545	3640	3661	3689	rBV4	66137819	128173624	54.72%	12.391%
22	13.725	3707	3717	3732	rBV2	1833544	3821993	1.63%	0.369%
23	13.802	3733	3741	3746	rVV	2144755	3402750	1.45%	0.329%
24	13.831	3746	3750	3759	rVB	2360918	3135095	1.34%	0.303%
25	13.889	3759	3768	3778	rVB	5985551	8698891	3.71%	0.841%
26	13.995	3791	3801	3812	rVB	11489501	18464987	7.88%	1.785%
27	14.181	3849	3859	3864	rBV	4766489	8068288	3.44%	0.780%
28	14.275	3874	3888	3902	rVB2	9004900	23934942	10.22%	2.314%
29	14.477	3940	3951	3973	rVB	15532521	28484529	12.16%	2.754%
30	14.596	3973	3988	3998	rVV3	24339863	45042472	19.23%	4.354%
31	14.657	3998	4007	4020	rVB2	5599326	9637024	4.11%	0.932%
32	14.741	4021	4033	4044	rBV	8077025	13590995	5.80%	1.314%
33	14.850	4046	4067	4085	rVV3	3850417	11181048	4.77%	1.081%
34	14.963	4086	4102	4114	rVB4	2796240	6864967	2.93%	0.664%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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	15.065	4122	4134	4138	rBV2	4082947	7090130	3.03%	0.685%
36	15.136	4143	4156	4172	rVV3	114429992	234217415	100.00%	22.642%
37	15.226	4172	4184	4198	rVV2	10021239	23695805	10.12%	2.291%
38	15.291	4199	4204	4214	rVB	2126702	3177227	1.36%	0.307%
39	15.416	4231	4243	4254	rBV	2365590	4309082	1.84%	0.417%
40	15.580	4280	4294	4309	rBV	1964610	5678704	2.42%	0.549%
41	15.712	4323	4335	4344	rBV4	958576	2779771	1.19%	0.269%
42	15.770	4348	4353	4365	rVB3	1656439	2938364	1.25%	0.284%
43	16.098	4439	4455	4461	rVV2	2727473	6400365	2.73%	0.619%
44	16.162	4462	4475	4497	rVB2	61033961	134491005	57.42%	13.002%
45	16.281	4499	4512	4520	rVV2	1712753	3990639	1.70%	0.386%
46	16.355	4520	4535	4554	rVB3	58994466	130107666	55.55%	12.578%

Sum of corrected areas: 1034422104

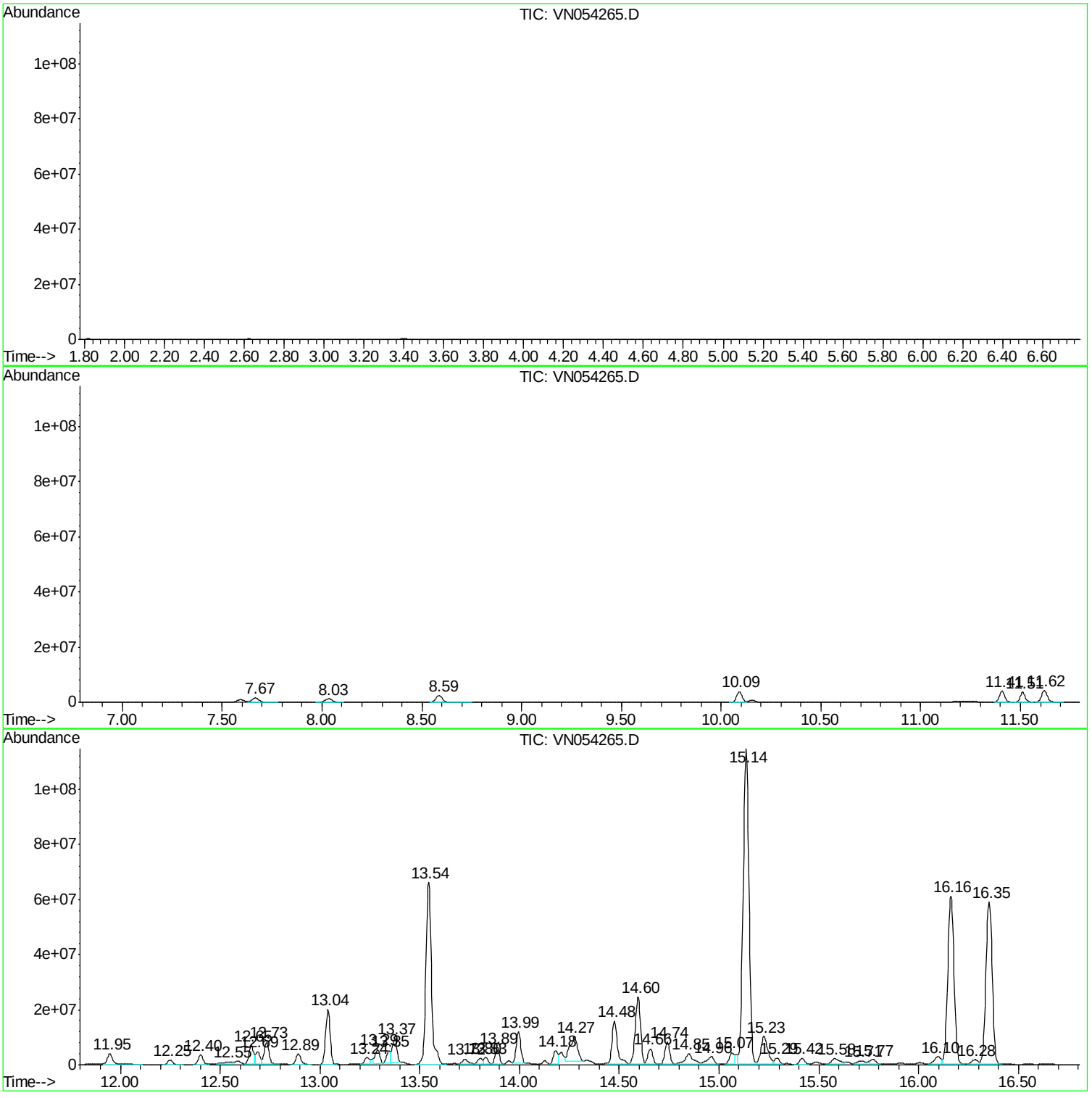
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2A

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 : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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

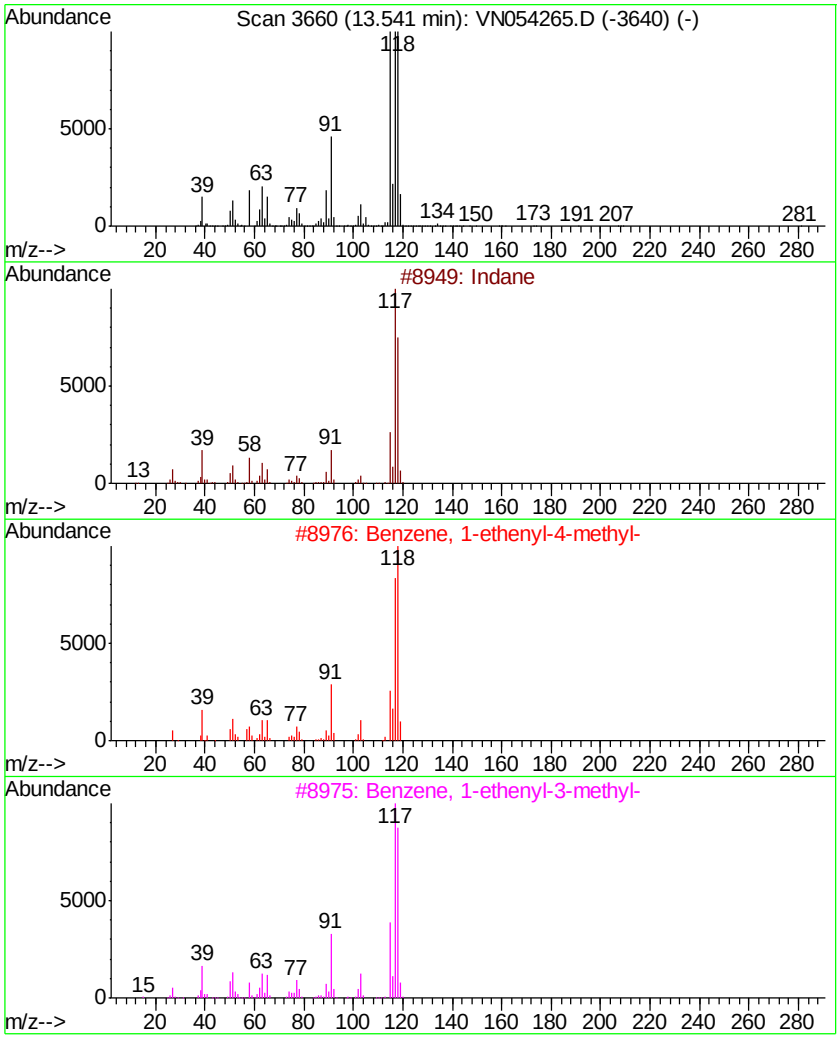
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

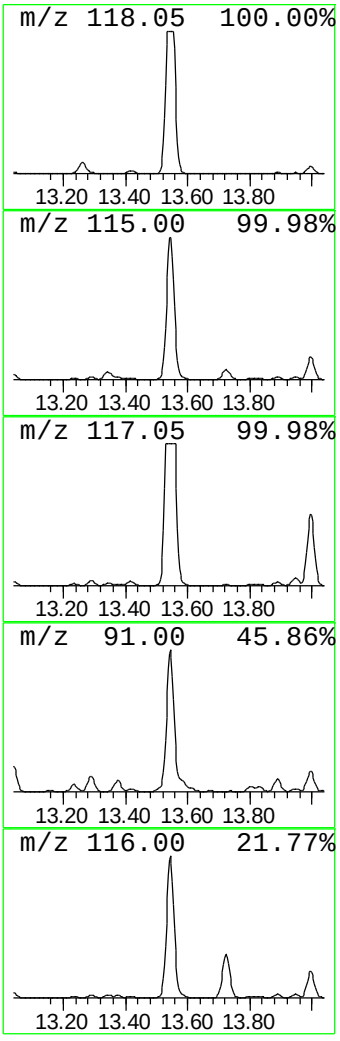
****

Peak Number 1 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	993.99 ug/l	128174000	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	92
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	70
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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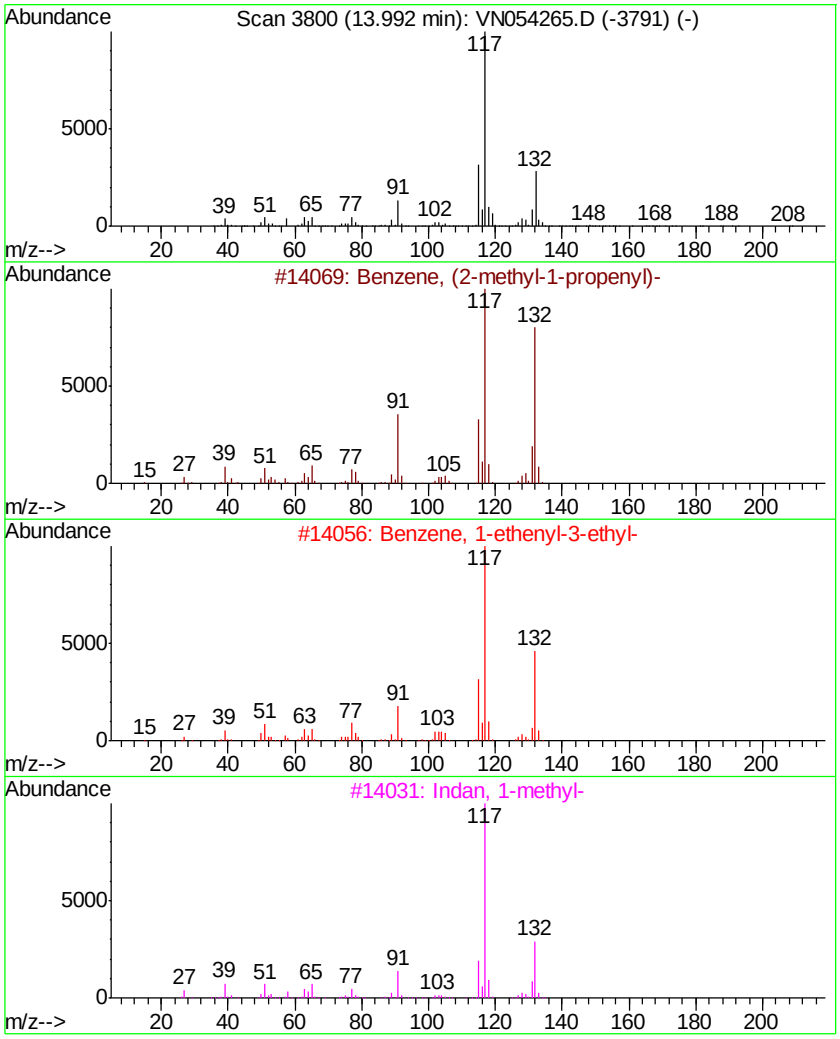
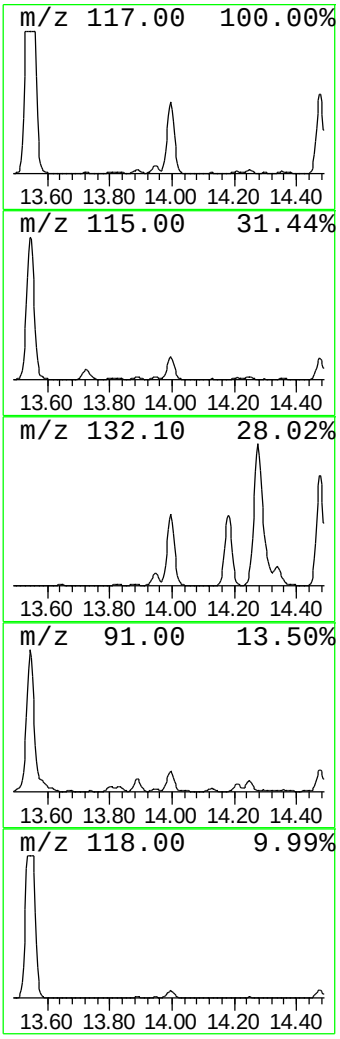
Peak Number 2 Benzene, (2-methyl-1-propen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	143.20 ug/l	18465000	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	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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

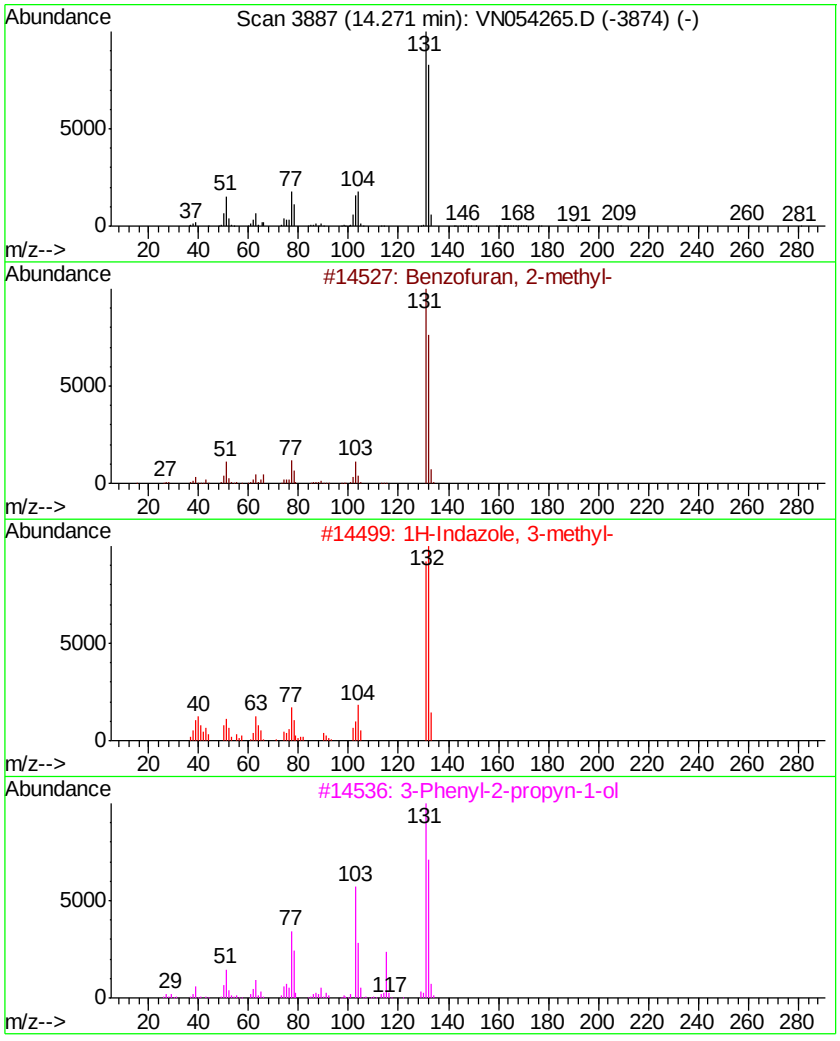
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

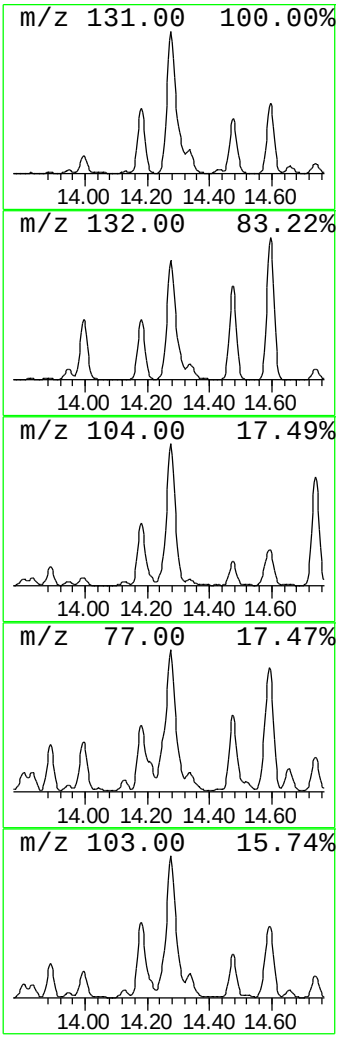
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	185.62 ug/l	23934900	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	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
4	5-Methylbenzimidazole	132	C8H8N2	000614-97-1	86
5	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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

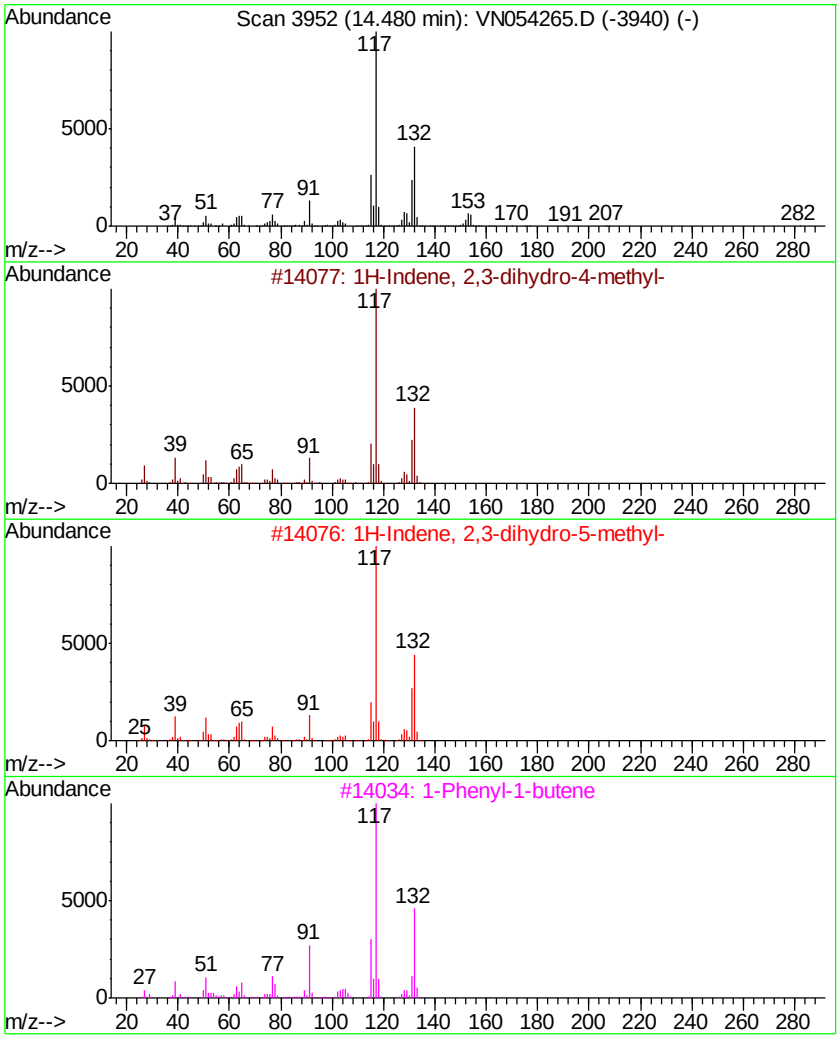
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

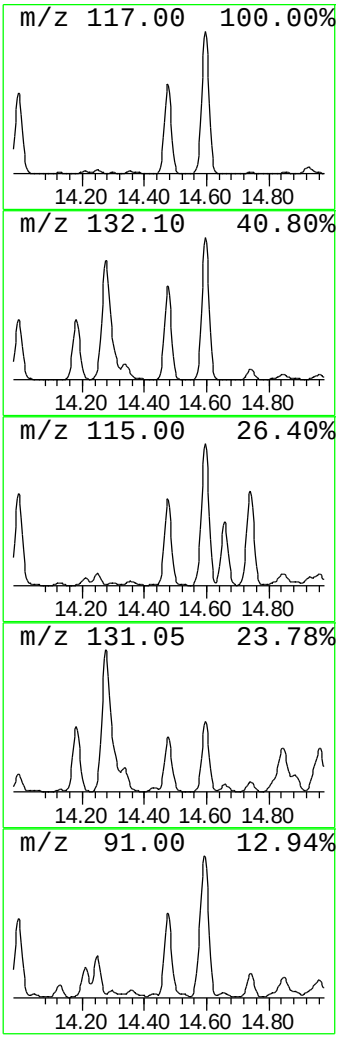
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	220.90 ug/l	28484500	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	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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

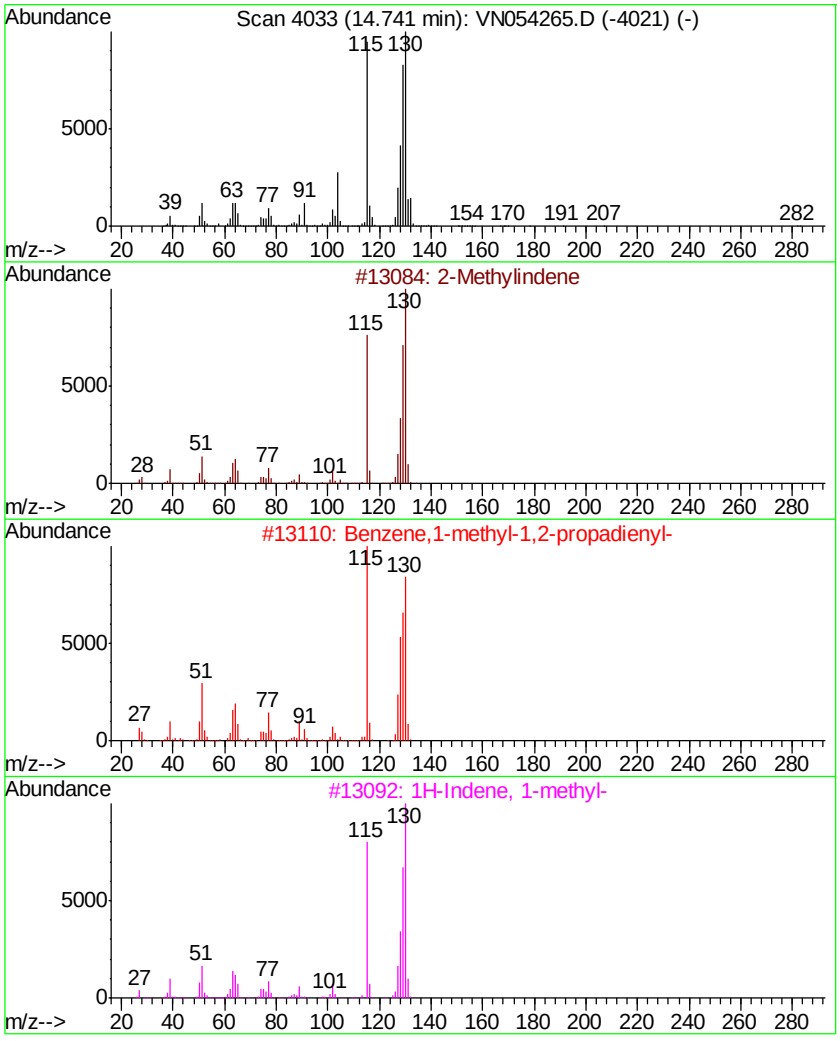
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

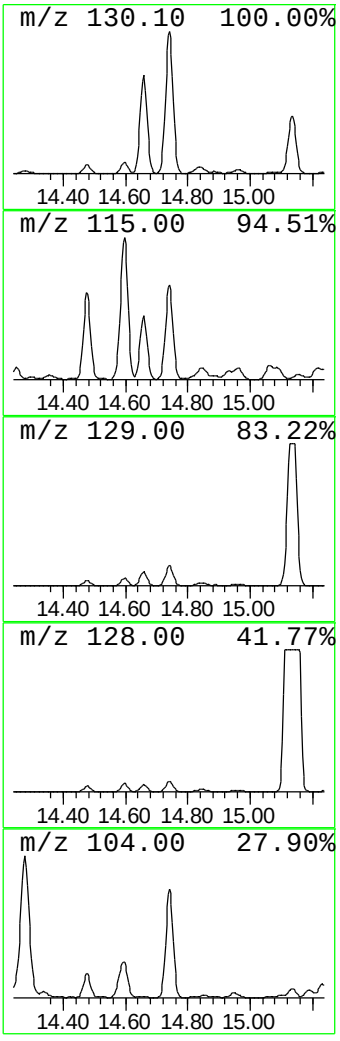
****

Peak Number 6 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	105.40 ug/l	13591000	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	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	92





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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

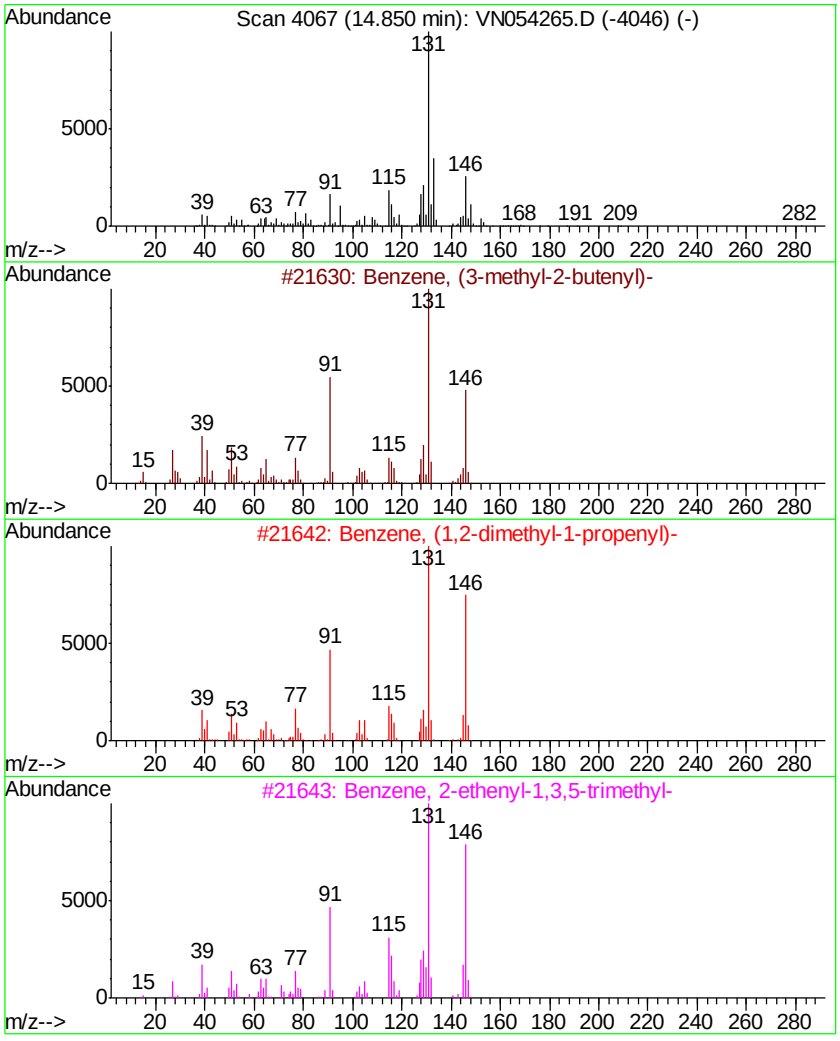
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

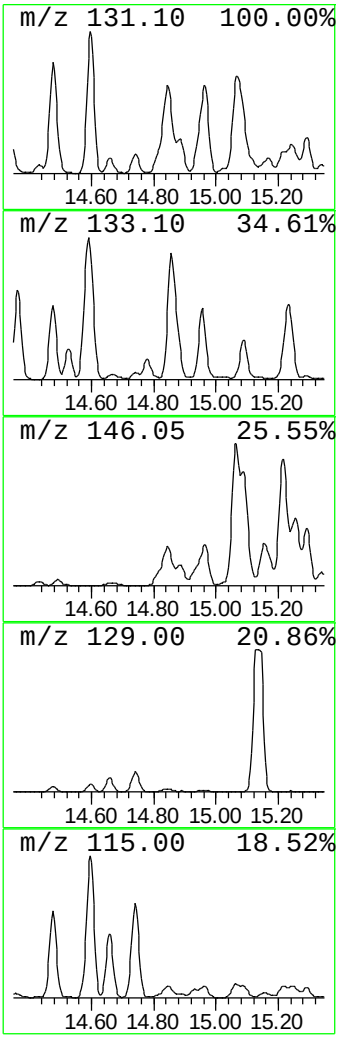
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	86.71 ug/l	11181000	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	89
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	76
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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

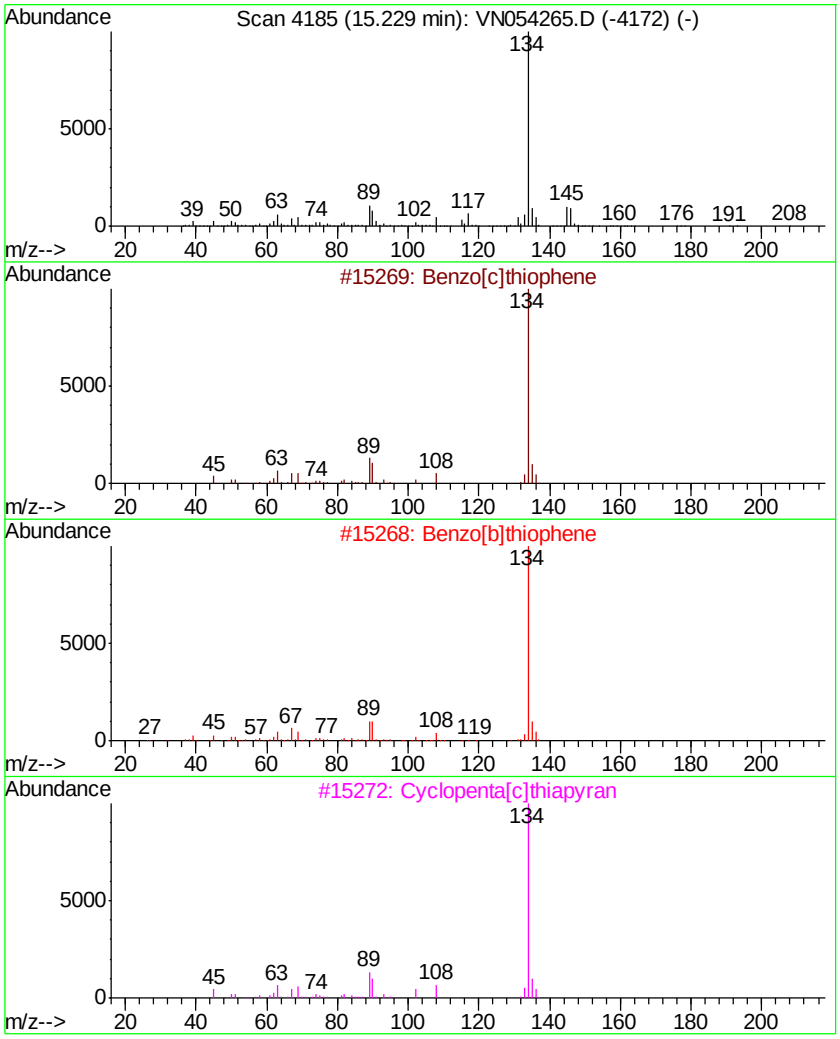
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

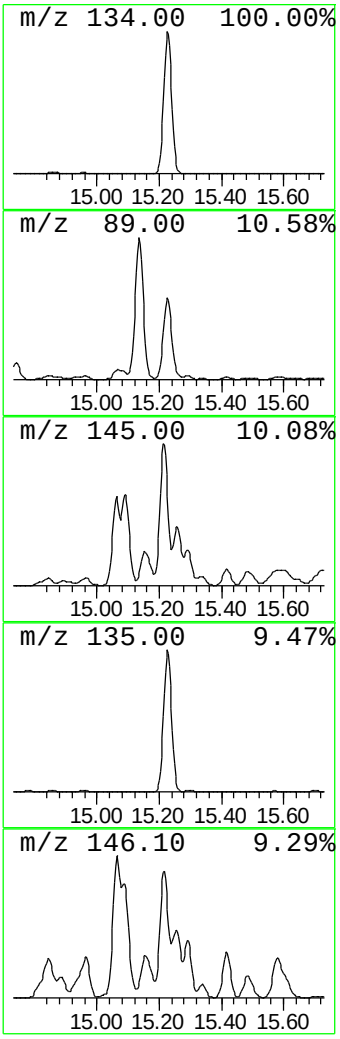
****

Peak Number 8 Benzo[c]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	183.76 ug/l	23695800	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	76
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 : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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

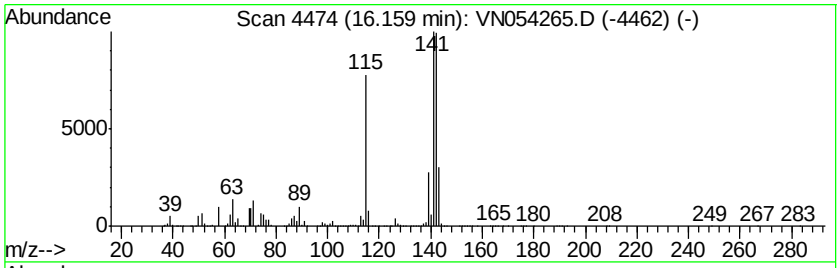
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

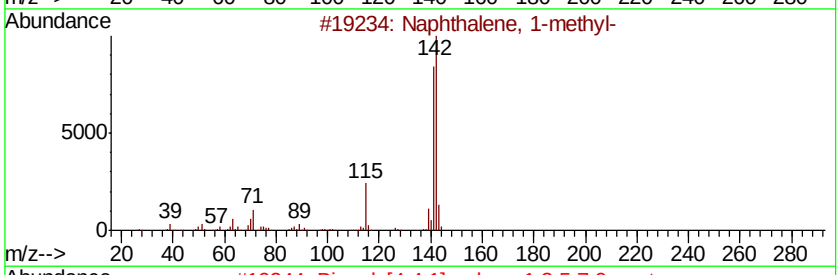
****

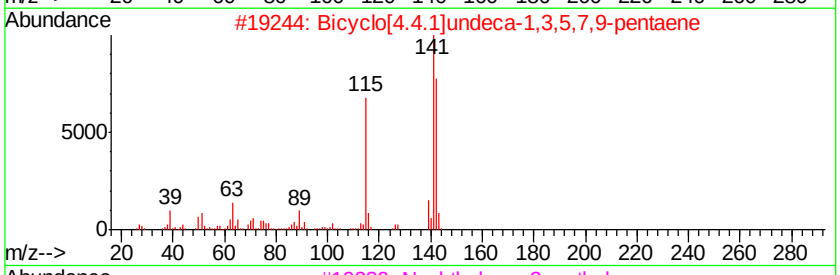
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

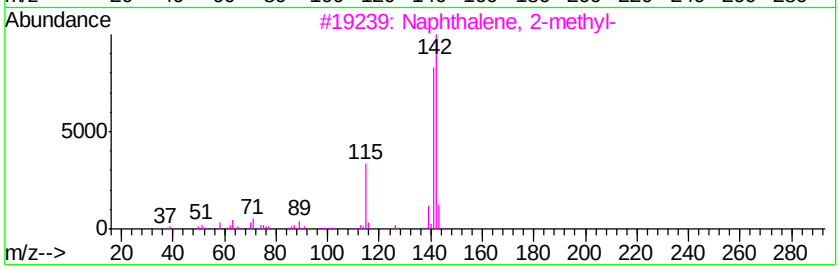
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	1042.98 ug/l	134491000	1,4-Dichlorobenzene-d4	13.35

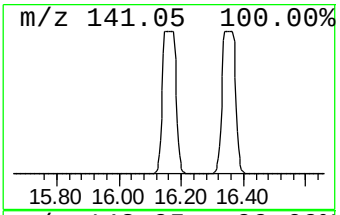
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87

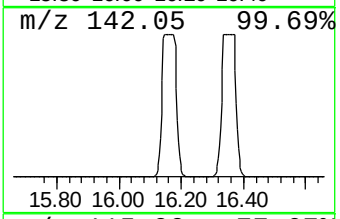


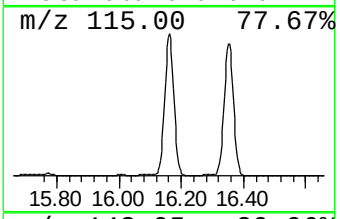


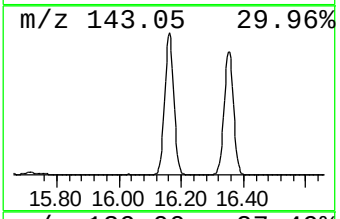


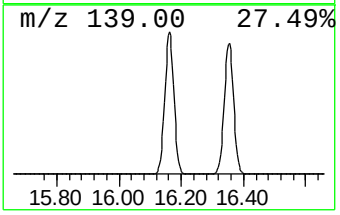












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054265.D
Acq On : 14 Mar 2019 16:42
Operator : JC/SP
Sample : K1899-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2A

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	994.0	ug/l	128174000	4	13.35	6447430	50.0
Benzene, (2-methy...	13.99	143.2	ug/l	18465000	4	13.35	6447430	50.0
Benzofuran, 2-met...	14.27	185.6	ug/l	23934900	4	13.35	6447430	50.0
1H-Indene, 2,3-di...	14.48	220.9	ug/l	28484500	4	13.35	6447430	50.0
2-Methylindene	14.74	105.4	ug/l	13591000	4	13.35	6447430	50.0
Benzene, (3-methy...	14.85	86.7	ug/l	11181000	4	13.35	6447430	50.0
Benzo[c]thiophene	15.23	183.8	ug/l	23695800	4	13.35	6447430	50.0
Naphthalene, 1-me...	16.16	1043.0	ug/l	134491000	4	13.35	6447430	50.0