LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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	7.590	1789	1809	1821	rBV2	888392	2231125	1.23%	0.133%
2	7.667	1821	1833	1864	rVB	1499815	3598513	1.98%	0.214%
3	8.040	1926	1949	1974	rBV	18238218	42851065	23.62%	2.547%
4	8.587	2104	2119	2145	rVB	2411196	5074593	2.80%	0.302%
5	10.091	2572	2587	2595	rBV	3884816	7025719	3.87%	0.418%
6	10.156	2595	2607	2630	rVB3	38531555	70202542	38.69%	4.173%
7	11.406	2982	2996	3014	rBV	3917971	6939512	3.82%	0.413%
8	11.513	3014	3029	3044	rVV2	25145660	42380527	23.36%	2.519%
9	11.619	3044	3062	3091	rVB2	43077410	81971798	45.18%	4.873%
10	11.950	3153	3165	3182	rVB2	28532185	50630078	27.91%	3.010%
11	12.249	3246	3258	3277	rBV	2783619	4685769	2.58%	0.279%
12	12.403	3293	3306	3317	rBV	3688363	6104042	3.36%	0.363%
13	12.500	3328	3336	3354	rVB2	1140160	2361181	1.30%	0.140%
14	12.593	3355	3365	3373	rBV	1240326	1991035	1.10%	0.118%
15	12.657	3373	3385	3391	rBV	14145208	24131437	13.30%	1.435%
16	12.734	3401	3409	3427	rVB	7699694	12656538	6.98%	0.752%
17	12.818	3427	3435	3446	rVB2	1627250	2719299	1.50%	0.162%
18	12.892	3446	3458	3478	rVB	5565816	11356153	6.26%	0.675%
19	13.040	3487	3504	3515	rBV2	28053231	46914935	25.86%	2.789%
20	13.091	3515	3520	3529	rVV	2149964	3256792	1.80%	0.194%
21	13.168	3529	3544	3556	rVV	8535576	14877206	8.20%	0.884%
22	13.262	3556	3573	3591	rVV3	47870860	96927003	53.42%	5.762%
23	13.374	3591	3608	3614	rVV2	13942227	30932478	17.05%	1.839%
24	13.410	3614	3619	3641	rVB3	11838451	20579006	11.34%	1.223%
25	13.545	3641	3661	3688	rBV4	93810213	181428189	100.00%	10.785%
26	13.725	3704	3717	3732	rVB3	68430786	138107296	76.12%	8.210%
27	13.805	3733	3742	3746	rBV2	1496877	2513517	1.39%	0.149%
28	13.889	3759	3768	3777	rVB	3128872	4750599	2.62%	0.282%
29	13.947	3777	3786	3791	rVV	1357305	2182269	1.20%	0.130%
30	13.995	3792	3801	3823	rVB	9798247	17047269	9.40%	1.013%
31	14.181	3848	3859	3865	rBV	20793556	33636889	18.54%	2.000%
32	14.223	3865	3872	3879	rVV	22079233	37314918	20.57%	2.218%
33	14.275	3879	3888	3904	rVB2	47134338	99132465	54.64%	5.893%
34	14.477	3932	3951	3962	rBV	10955249	18143856	10.00%	1.079%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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	14.596	3964	3988	3995	rVV2	18399526	38503815	21.22%	2.289%
36	14.648	3995	4004	4020	rVB2	44834573	76973748	42.43%	4.576%
37	14.741	4021	4033	4043	rBV	17108359	29118951	16.05%	1.731%
38	14.802	4043	4052	4058	rVV	9957872	15975384	8.81%	0.950%
39	14.850	4058	4067	4092	rVB	18239293	32805279	18.08%	1.950%
40	15.072	4125	4136	4138	rBV2	4542806	6525578	3.60%	0.388%
41	15.229	4173	4185	4199	rBV3	36694338	72248533	39.82%	4.295%
42	15.294	4200	4205	4214	rVB2	2004521	2950495	1.63%	0.175%
43	15.416	4233	4243	4253	rBV	1038264	1910339	1.05%	0.114%
44	15.483	4255	4264	4278	rVB	907768	2075755	1.14%	0.123%
45	15.580	4285	4294	4308	rBV	750047	2089873	1.15%	0.124%
46	16.098	4439	4455	4461	rBV2	2150844	5010177	2.76%	0.298%
47	16.162	4461	4475	4497	rVV2	70655539	164031576	90.41%	9.751%
48	16.278	4498	4511	4520	rVV	2030191	4684370	2.58%	0.278%
49	16.352	4520	4534	4554	rVB3	46645396	100624143	55.46%	5.982%

Sum of corrected areas: 1682183629

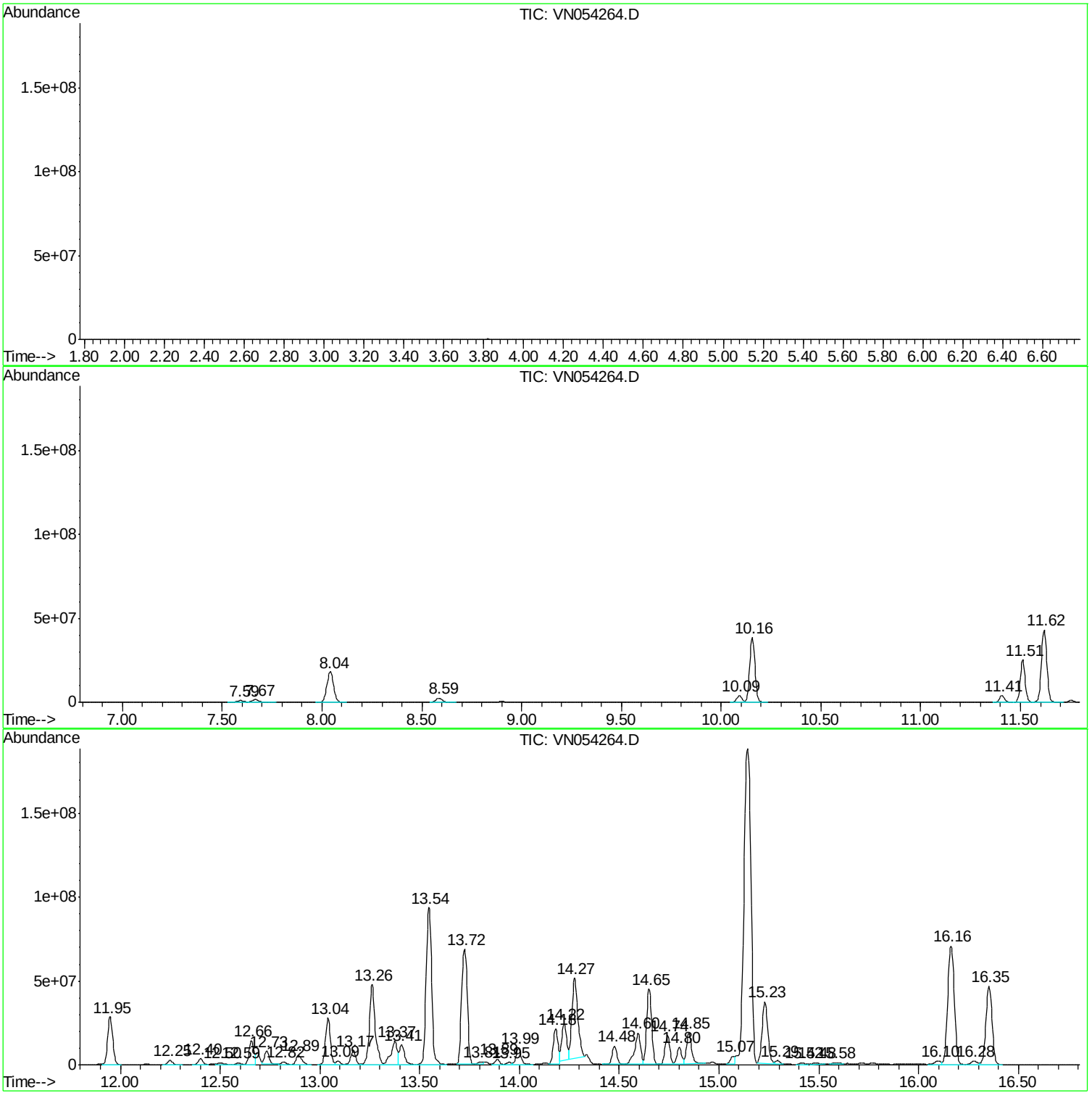
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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 : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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

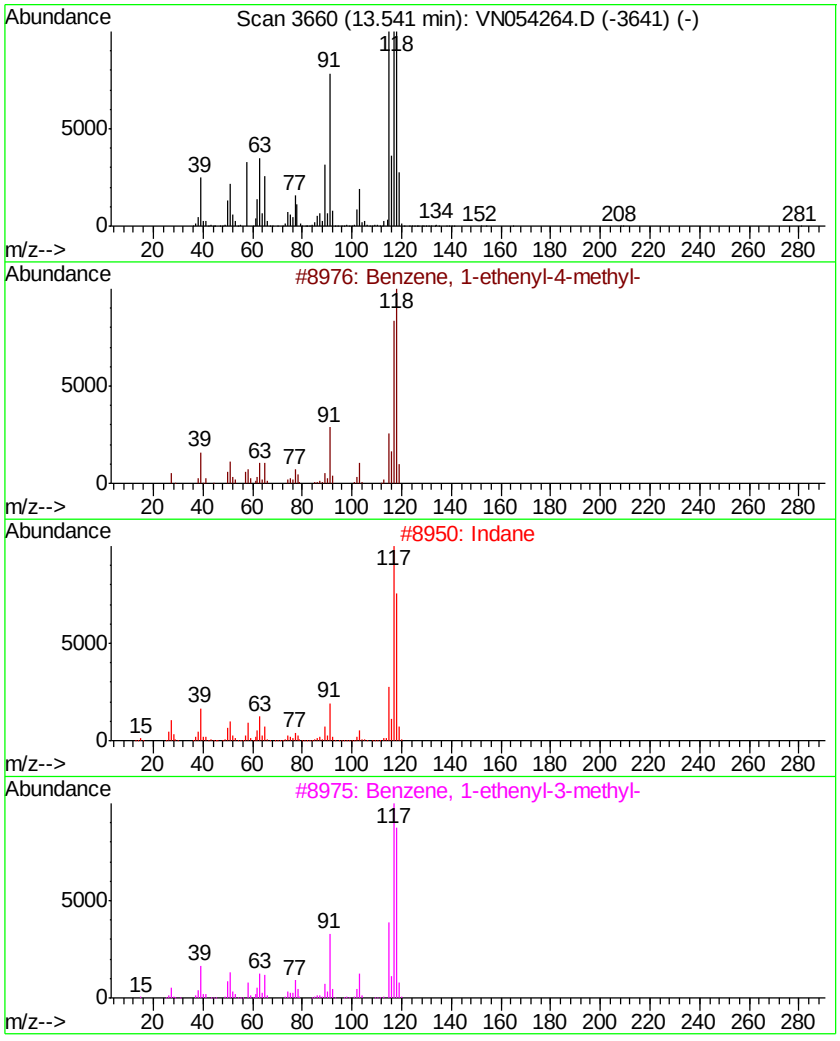
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

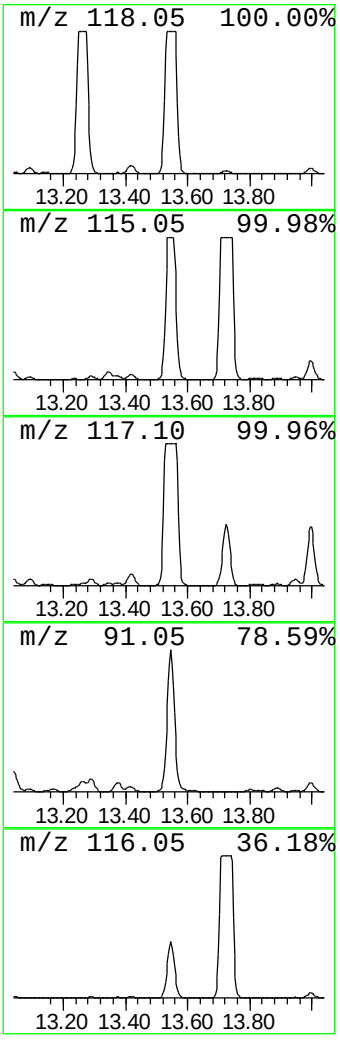
****

Peak Number 2 Benzene, 1-ethenyl-4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	293.27 ug/l	181428000	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
2	Indane	118	C9H10	000496-11-7	64
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	58
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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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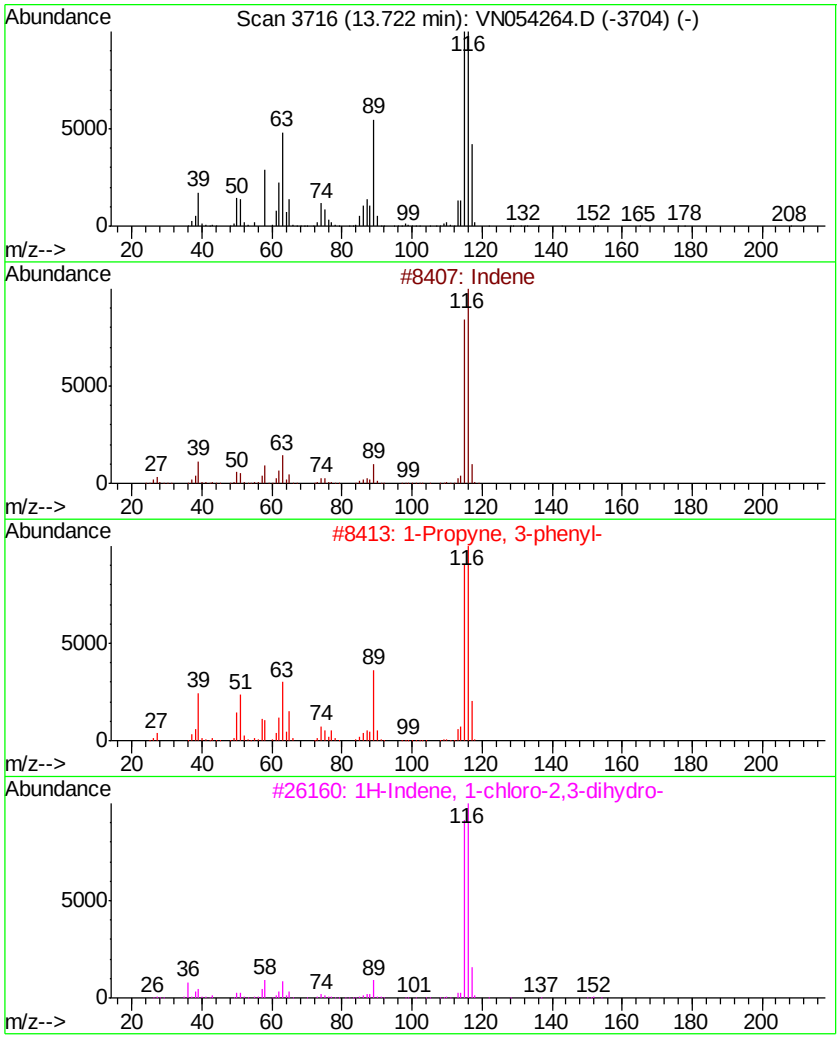
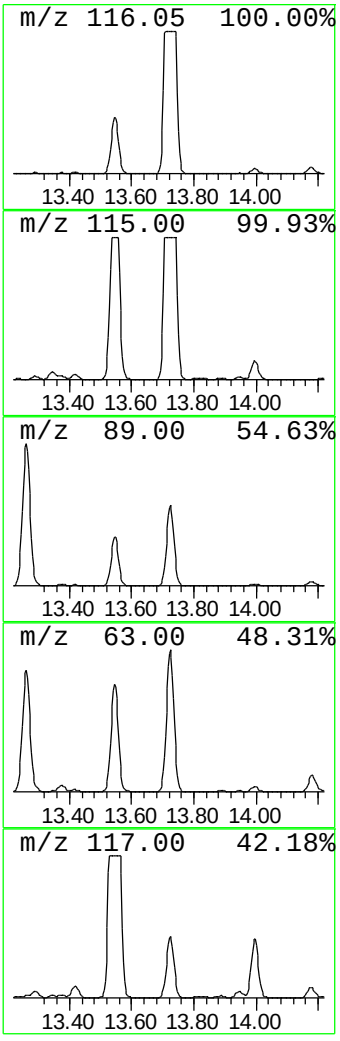
Peak Number 3 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	223.24 ug/l	138107000	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
3	1H-Indene, 1-chloro-2,3-dihydro-	152	C9H9Cl	035275-62-8	76
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	68
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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

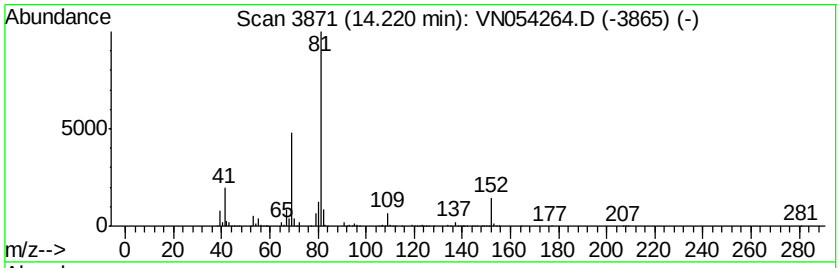
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

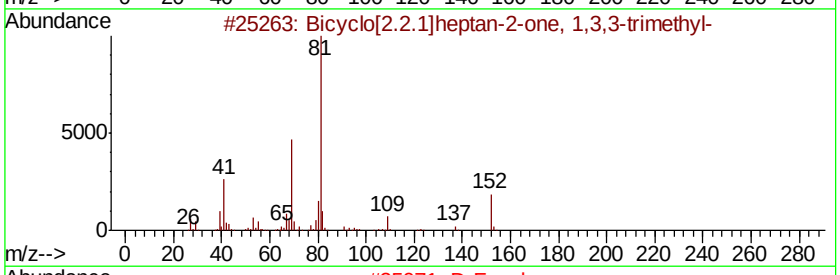
****

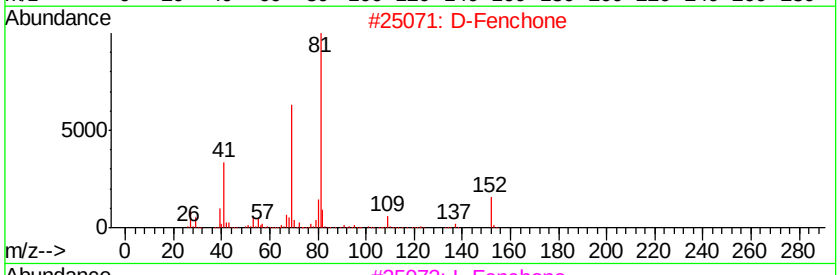
Peak Number 4 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 10

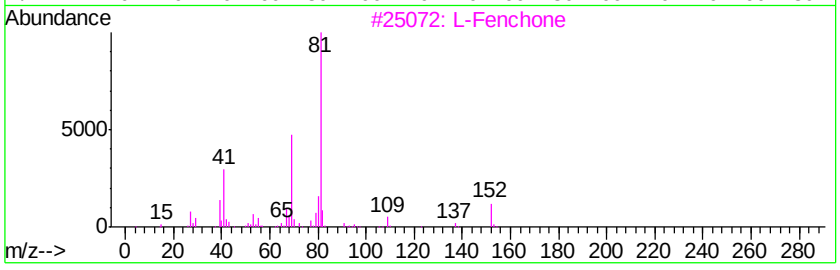
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	60.32 ug/l	37314900	1,4-Dichlorobenzene-d4	13.35

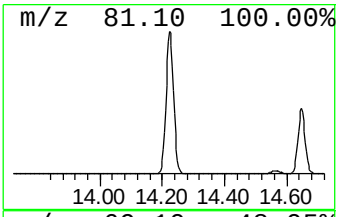
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	D-Fenchone	152	C10H16O	004695-62-9	94
3	L-Fenchone	152	C10H16O	007787-20-4	94
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	45
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	10

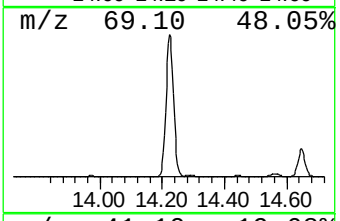


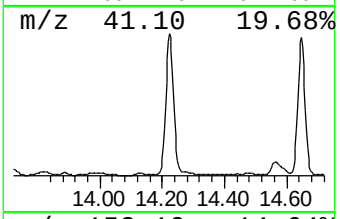


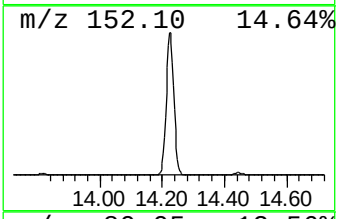


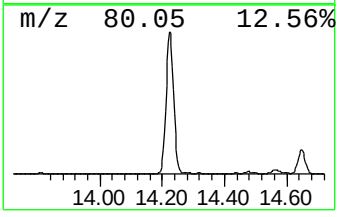












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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

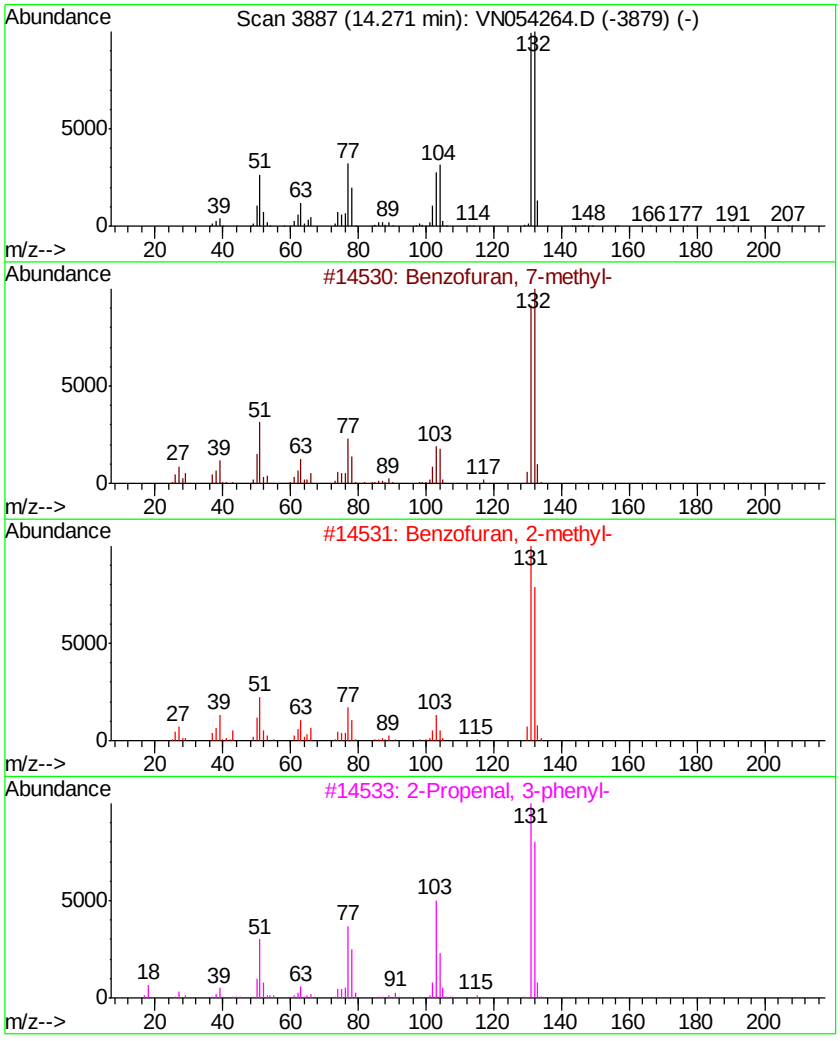
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

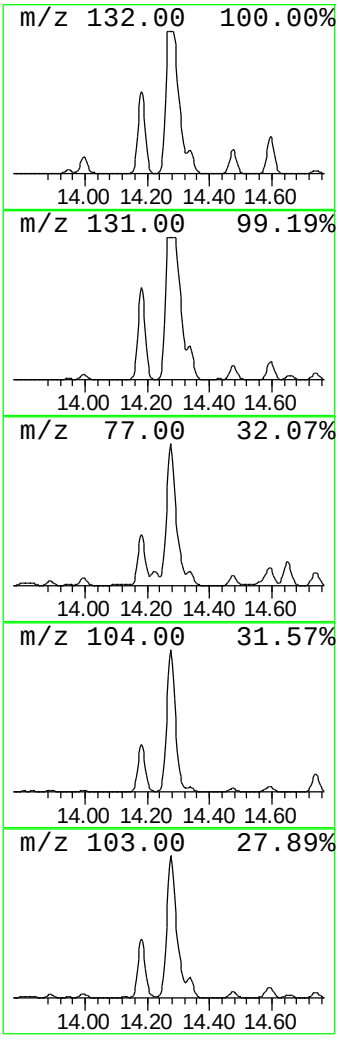
****

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	160.24 ug/l	99132500	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
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	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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

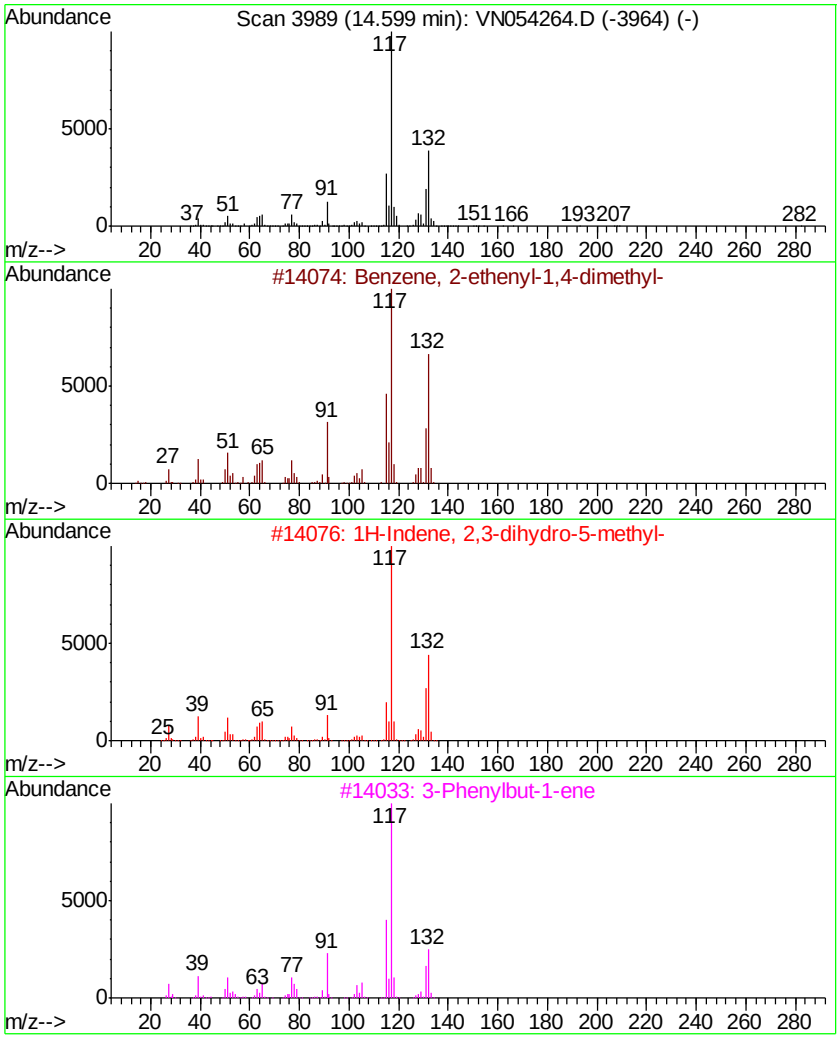
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

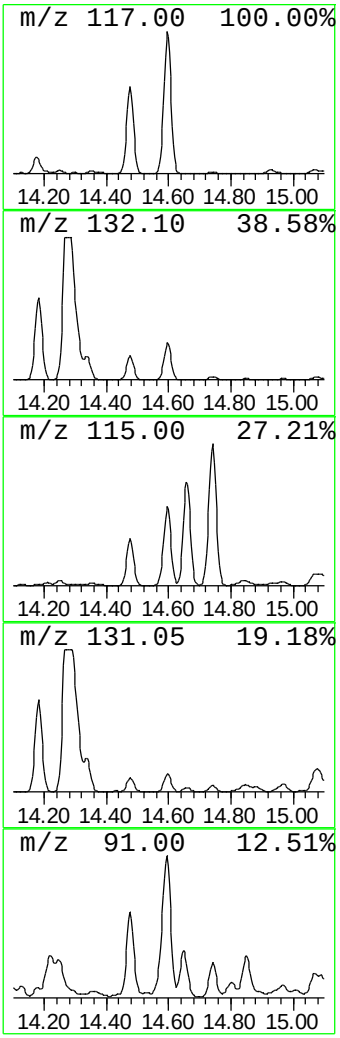
****

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	62.24 ug/l	38503800	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	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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

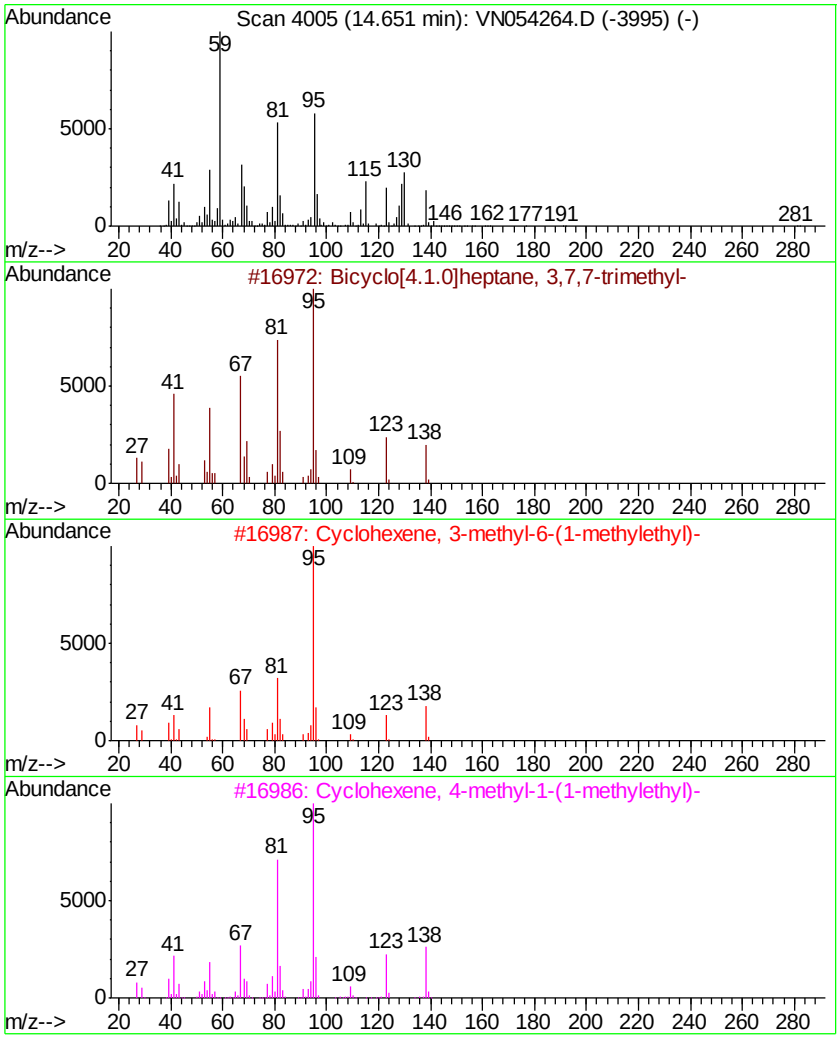
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

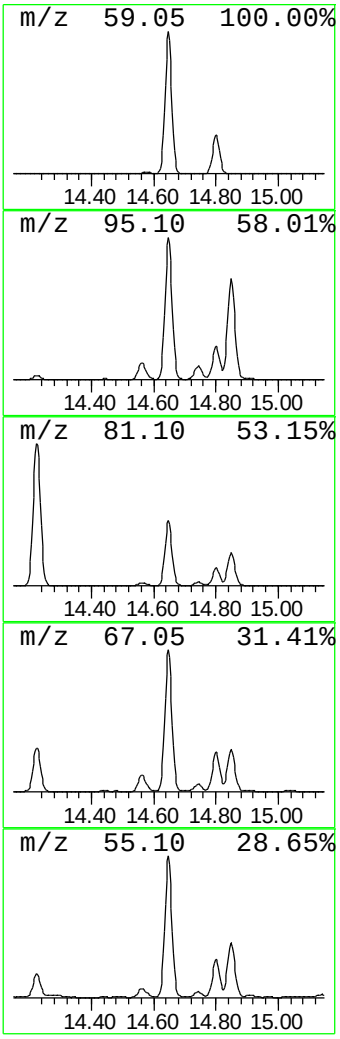
****

Peak Number 7 unknown14.65 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	124.42 ug/l	76973700	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	46
2	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	42
3	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	38
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	38
5	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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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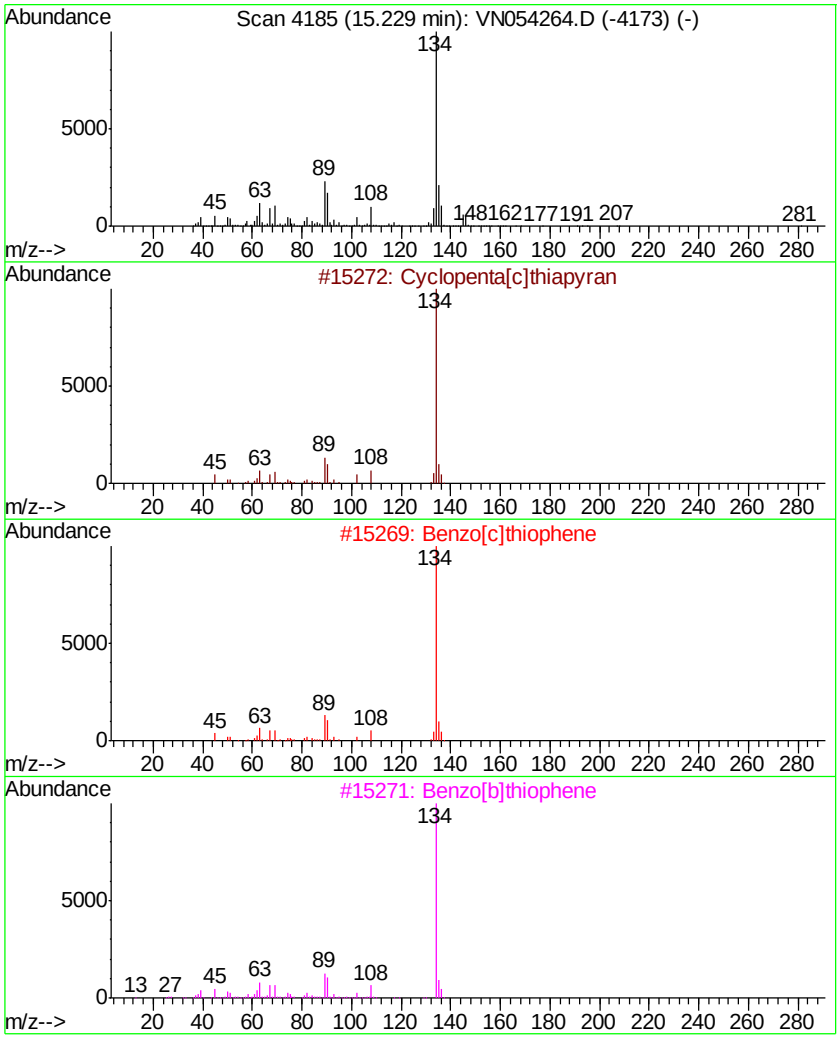
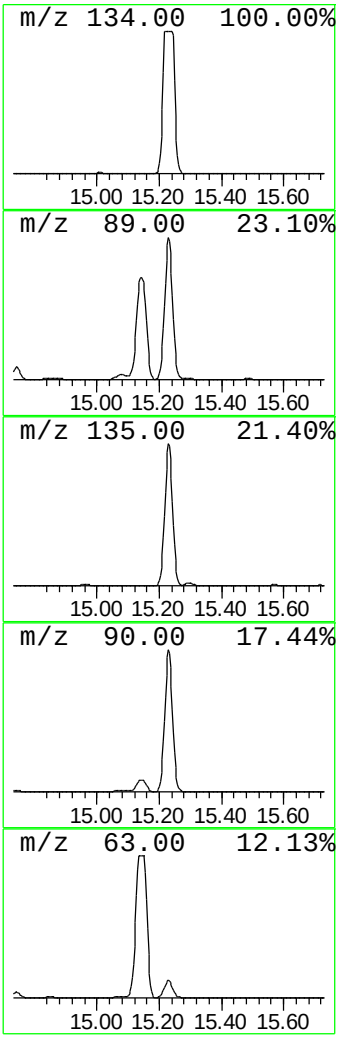
Peak Number 8 Cyclopenta[c]thiapyran Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	116.78 ug/l	72248500	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	81
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	81
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	76
4	2-Benzoxazolamine	134	C7H6N2O	004570-41-6	9
5	2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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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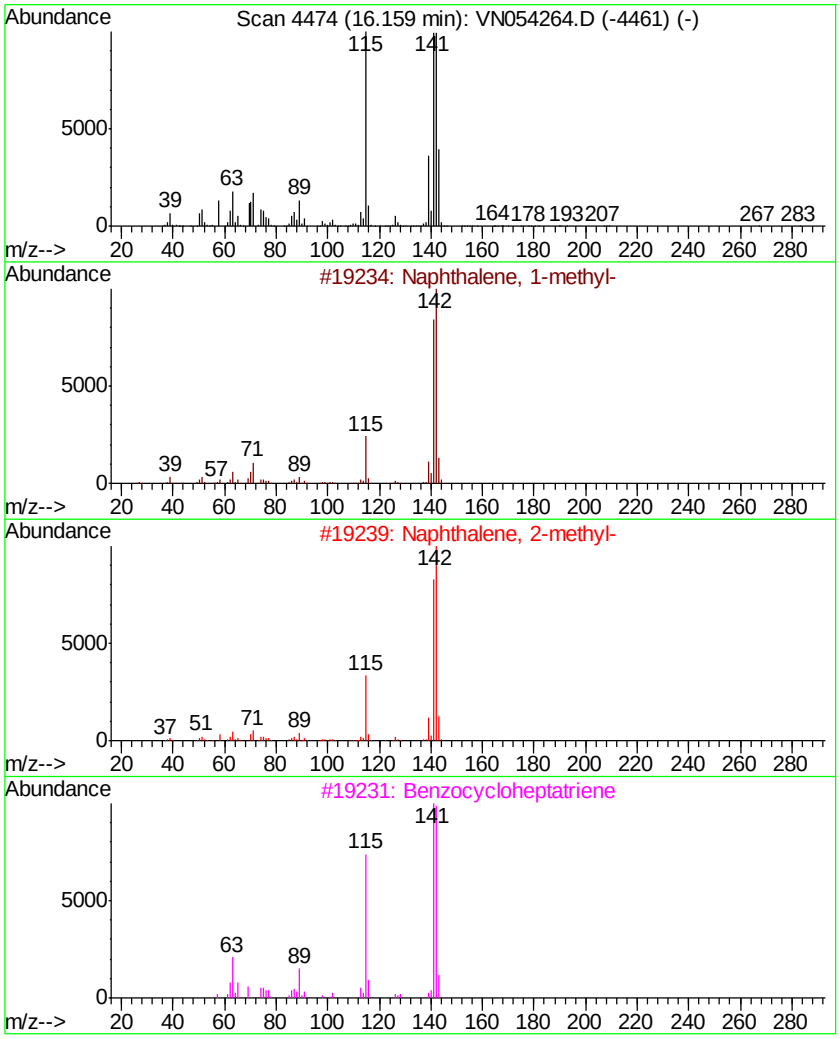
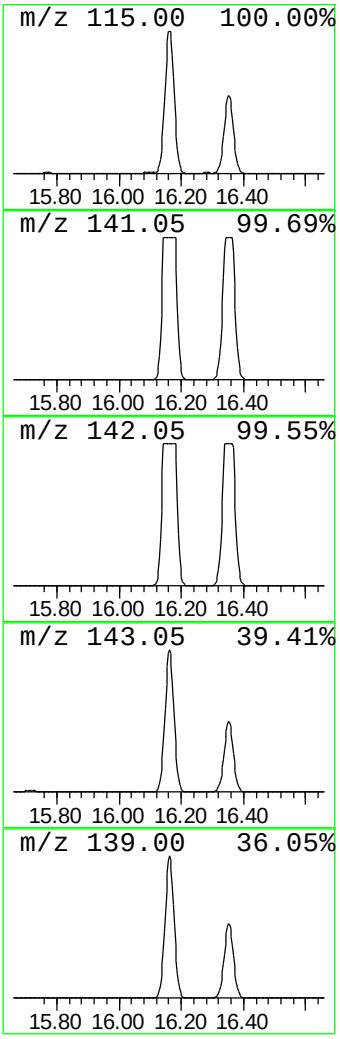
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	265.15 ug/l	164032000	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	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054264.D
Acq On : 14 Mar 2019 16:14
Operator : JC/SP
Sample : K1899-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-1A

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-etheny...	13.54	293.3	ug/l	181428000	4	13.35	30932500	50.0
Indene	13.72	223.2	ug/l	138107000	4	13.35	30932500	50.0
Bicyclo[2.2.1]hep...	14.22	60.3	ug/l	37314900	4	13.35	30932500	50.0
Benzofuran, 7-met...	14.27	160.2	ug/l	99132500	4	13.35	30932500	50.0
Benzene, 2-etheny...	14.60	62.2	ug/l	38503800	4	13.35	30932500	50.0
unknown14.65	14.65	124.4	ug/l	76973700	4	13.35	30932500	50.0
Cyclopenta[c]thia...	15.23	116.8	ug/l	72248500	4	13.35	30932500	50.0
Naphthalene, 1-me...	16.16	265.1	ug/l	164032000	4	13.35	30932500	50.0