LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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	1790	1810	1820	rBV	1060534	2667342	18.37%	2.285%
2	7.664	1820	1832	1893	rVB	2040912	5332985	36.72%	4.569%
3	8.027	1928	1945	1975	rBV	1009286	2366137	16.29%	2.027%
4	8.587	2103	2119	2165	rVB	2665295	5885051	40.52%	5.042%
5	9.079	2248	2272	2290	rBV2	208987	494841	3.41%	0.424%
6	10.091	2570	2587	2632	rBV	4005434	8088084	55.69%	6.929%
7	11.406	2982	2996	3017	rBV	3400255	6318396	43.51%	5.413%
8	12.249	3247	3258	3280	rVB	668998	1131656	7.79%	0.969%
9	12.400	3292	3305	3322	rBV	2725851	4794503	33.01%	4.107%
10	12.590	3350	3364	3377	rVB	728654	1248039	8.59%	1.069%
11	12.959	3472	3479	3484	rBV2	107962	154266	1.06%	0.132%
12	13.168	3530	3544	3554	rBV2	548946	1100554	7.58%	0.943%
13	13.342	3586	3598	3615	rVB	3206475	5413568	37.28%	4.638%
14	13.442	3620	3629	3639	rBV	287240	455048	3.13%	0.390%
15	13.512	3640	3651	3654	rBV	1198590	1784142	12.29%	1.528%
16	13.541	3654	3660	3670	rVB	2830298	4518972	31.12%	3.871%
17	13.596	3671	3677	3679	rBV2	190608	218876	1.51%	0.188%
18	13.673	3690	3701	3711	rVB2	758938	1258264	8.66%	1.078%
19	13.889	3757	3768	3777	rBV	3061942	4628602	31.87%	3.965%
20	13.947	3777	3786	3791	rVV	882571	1388688	9.56%	1.190%
21	13.995	3791	3801	3812	rVB2	3264922	5524932	38.04%	4.733%
22	14.062	3817	3822	3831	rVB5	203310	315011	2.17%	0.270%
23	14.130	3832	3843	3851	rBV	456369	820737	5.65%	0.703%
24	14.207	3851	3867	3883	rVB	2598717	4844535	33.36%	4.150%
25	14.291	3885	3893	3899	rBV	339866	535069	3.68%	0.458%
26	14.361	3910	3915	3922	rVB	248382	301809	2.08%	0.259%
27	14.426	3925	3935	3942	rVV3	418114	793973	5.47%	0.680%
28	14.474	3942	3950	3960	rVV2	1289533	2116669	14.57%	1.813%
29	14.525	3961	3966	3972	rVV2	262648	324876	2.24%	0.278%
30	14.583	3972	3984	3998	rVV4	7197756	14522889	100.00%	12.442%
31	14.651	3998	4005	4016	rVB5	561621	1012424	6.97%	0.867%
32	14.850	4050	4067	4073	rBV3	1070446	2236133	15.40%	1.916%
33	14.885	4073	4078	4086	rVV2	871442	1413322	9.73%	1.211%
34	14.956	4090	4100	4111	rVB3	1733563	3632136	25.01%	3.112%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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	15.046	4122	4128	4134	rVB	228579	290483	2.00%	0.249%
36	15.091	4134	4142	4161	rVB4	471905	1030723	7.10%	0.883%
37	15.188	4162	4172	4180	rBV	730902	1307285	9.00%	1.120%
38	15.242	4180	4189	4200	rBV4	682960	1846475	12.71%	1.582%
39	15.416	4231	4243	4254	rBV	674825	1316512	9.07%	1.128%
40	15.483	4256	4264	4274	rVB5	327711	633905	4.36%	0.543%
41	15.577	4284	4293	4297	rBV2	725557	1215800	8.37%	1.042%
42	15.612	4298	4304	4319	rVB	1529213	2652012	18.26%	2.272%
43	15.696	4322	4330	4340	rVB	447092	756003	5.21%	0.648%
44	15.770	4342	4353	4362	rBV4	508149	1018190	7.01%	0.872%
45	15.911	4383	4397	4427	rBV	1503435	3309845	22.79%	2.836%
46	16.162	4466	4475	4483	rBV	307981	684411	4.71%	0.586%
47	16.348	4520	4533	4547	rBV2	1291887	3022704	20.81%	2.590%

Sum of corrected areas: 116726877

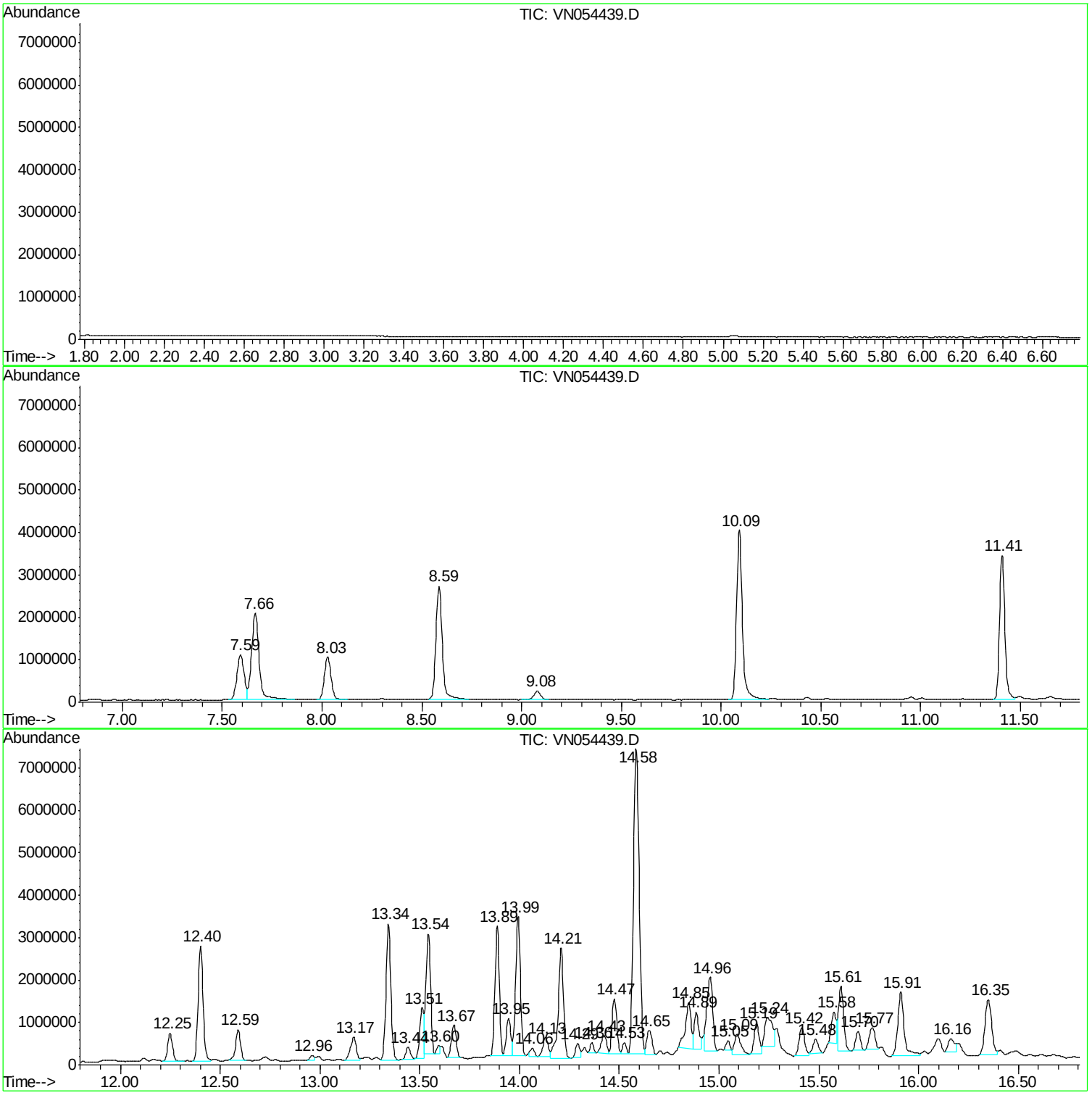
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

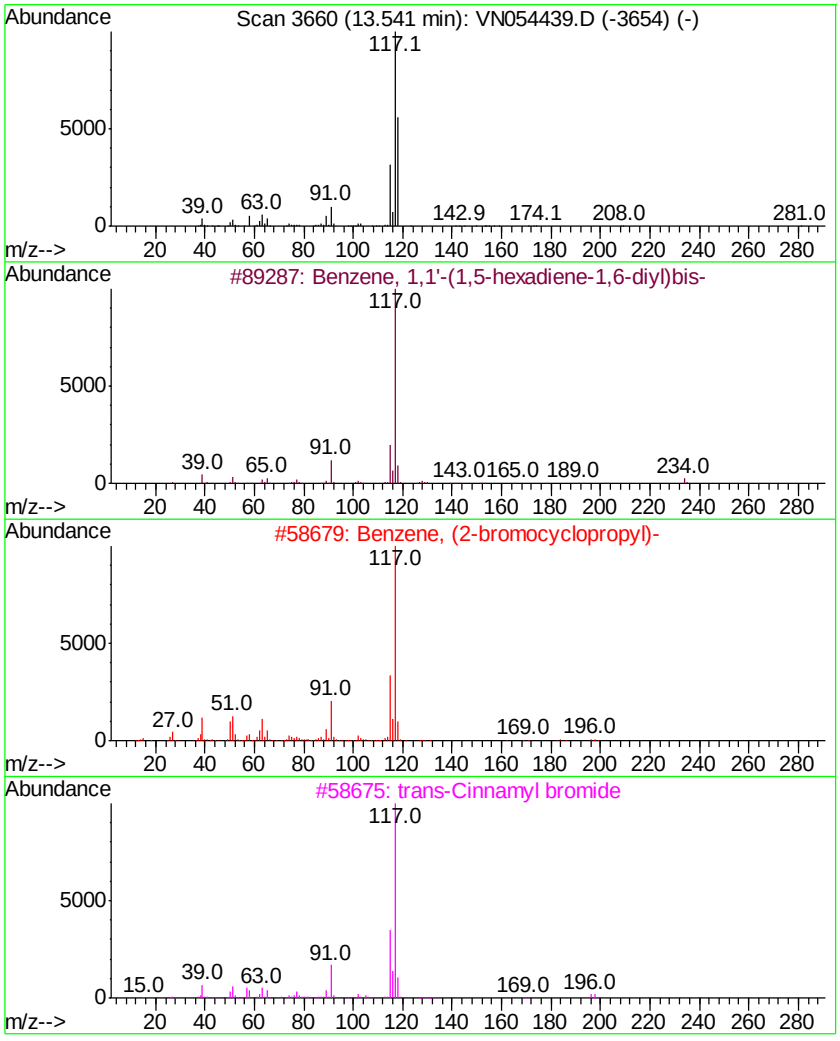
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260

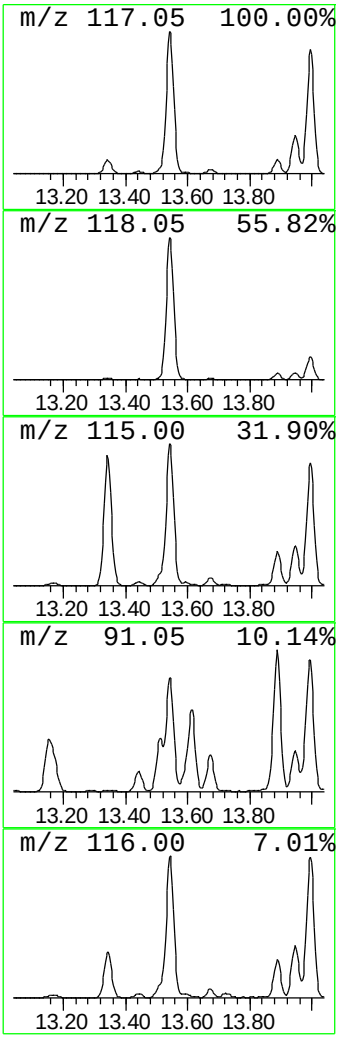
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	41.74 ug/l	4518970	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
2	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	45
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	40
4	m-Aminophenylacetylene	117	C8H7N	054060-30-9	37
5	2,4-Dicyanopyrrole	117	C6H3N3	074023-87-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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

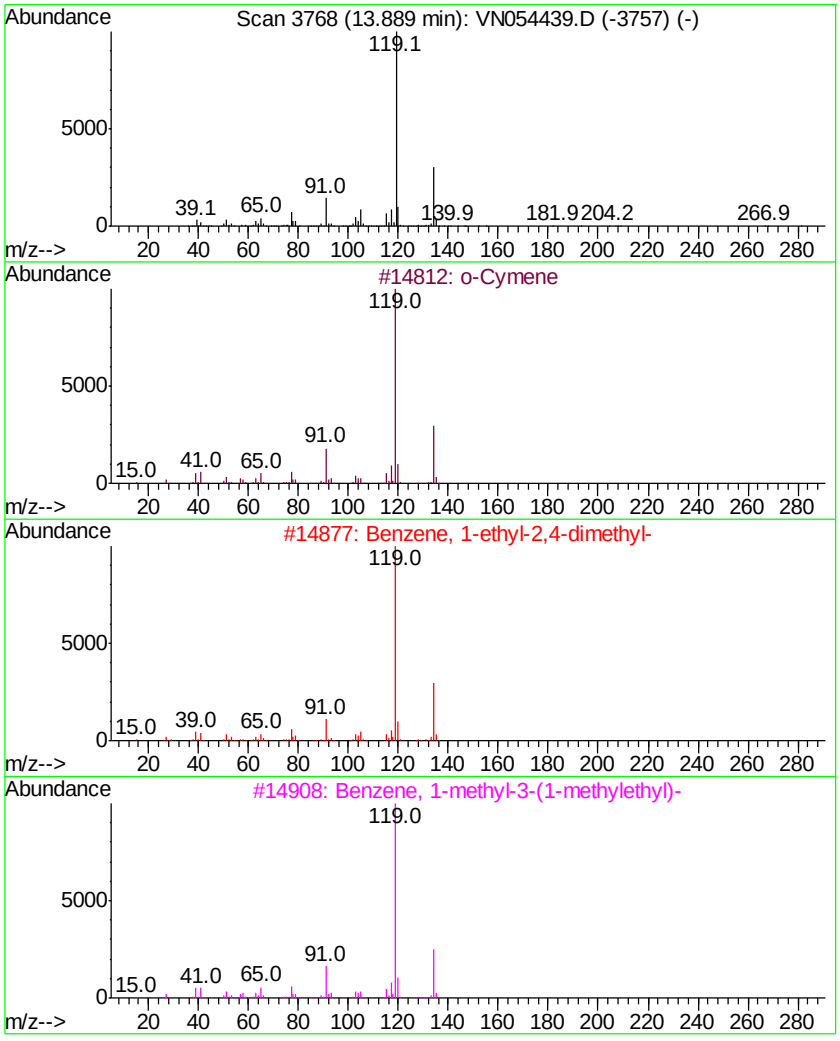
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

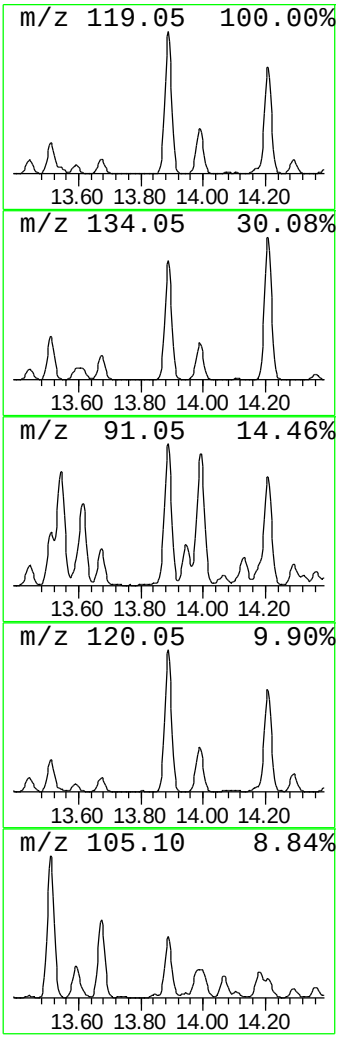
****

Peak Number 2 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	42.75 ug/l	4628600	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	95
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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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

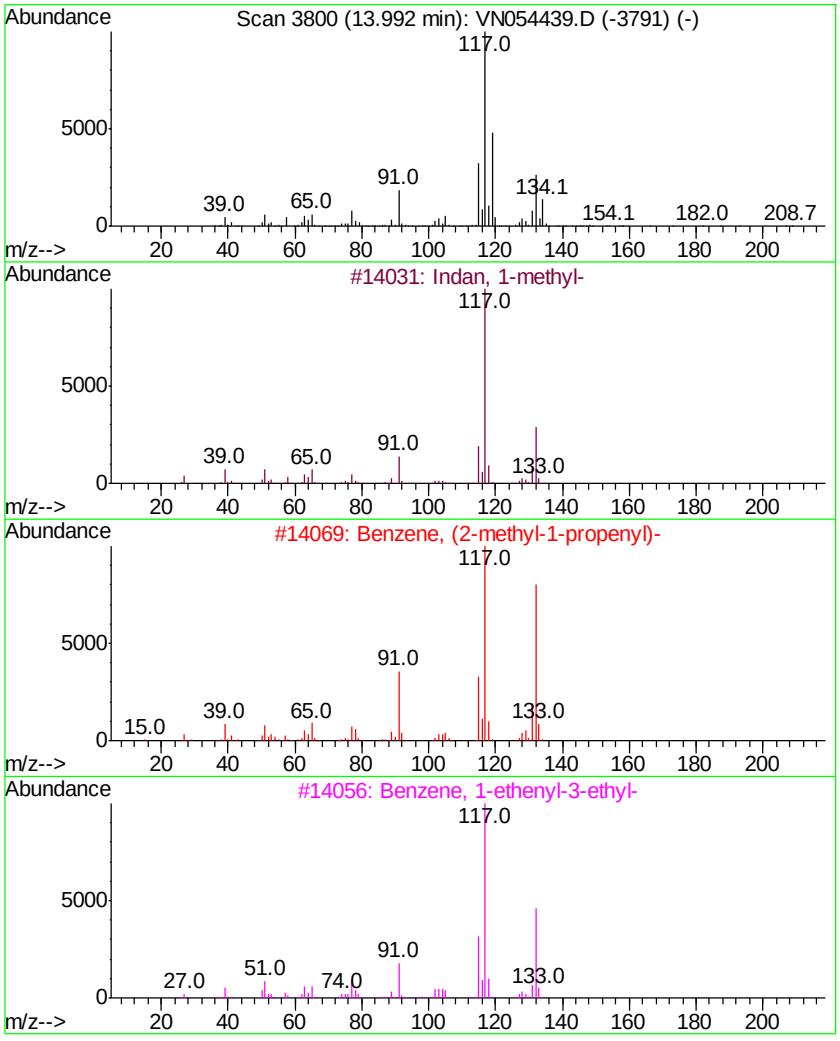
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

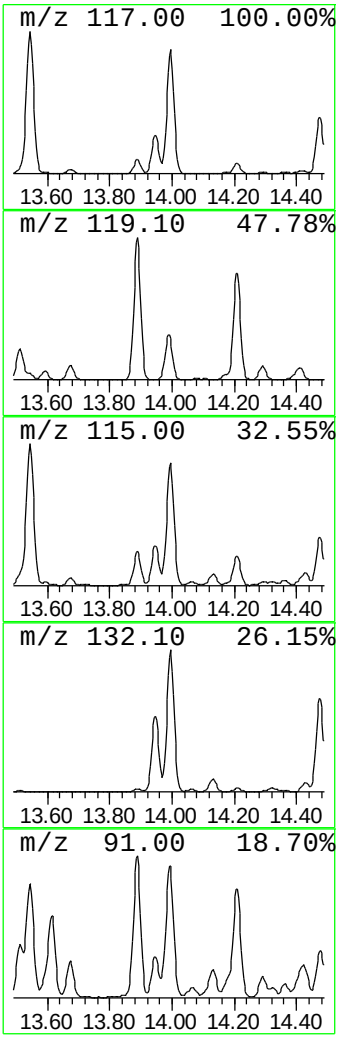
****

Peak Number 3 Indan, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	51.03 ug/l	5524930	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	91
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	58
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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

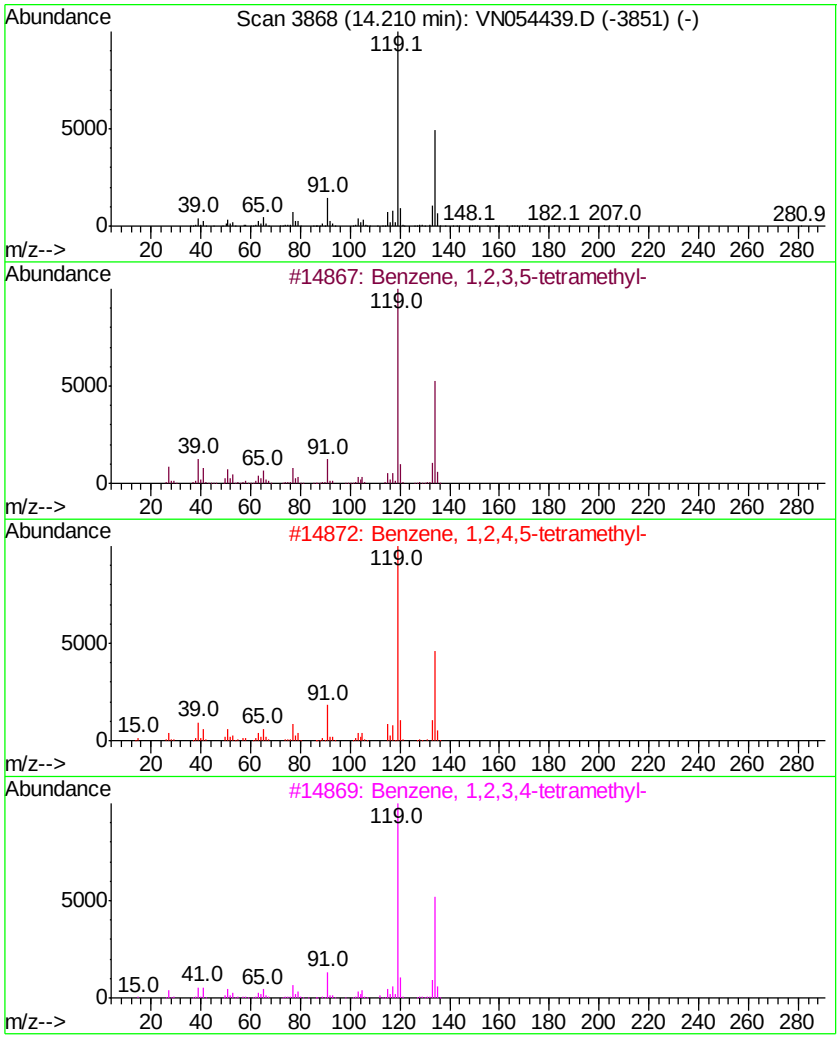
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

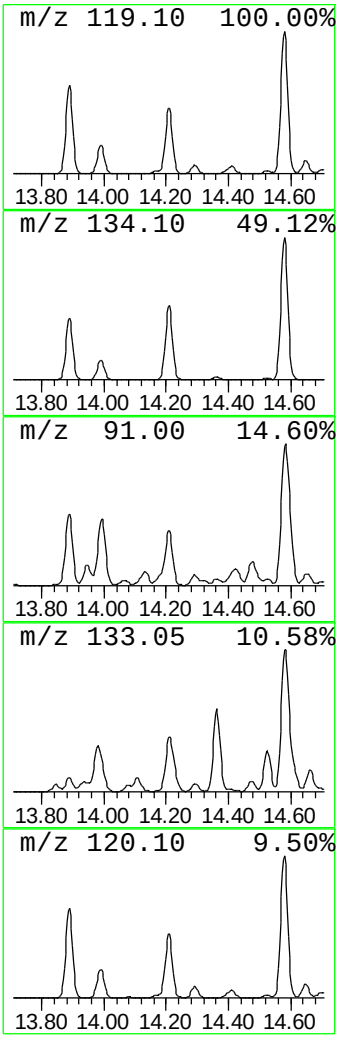
****

Peak Number 4 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	44.74 ug/l	4844540	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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

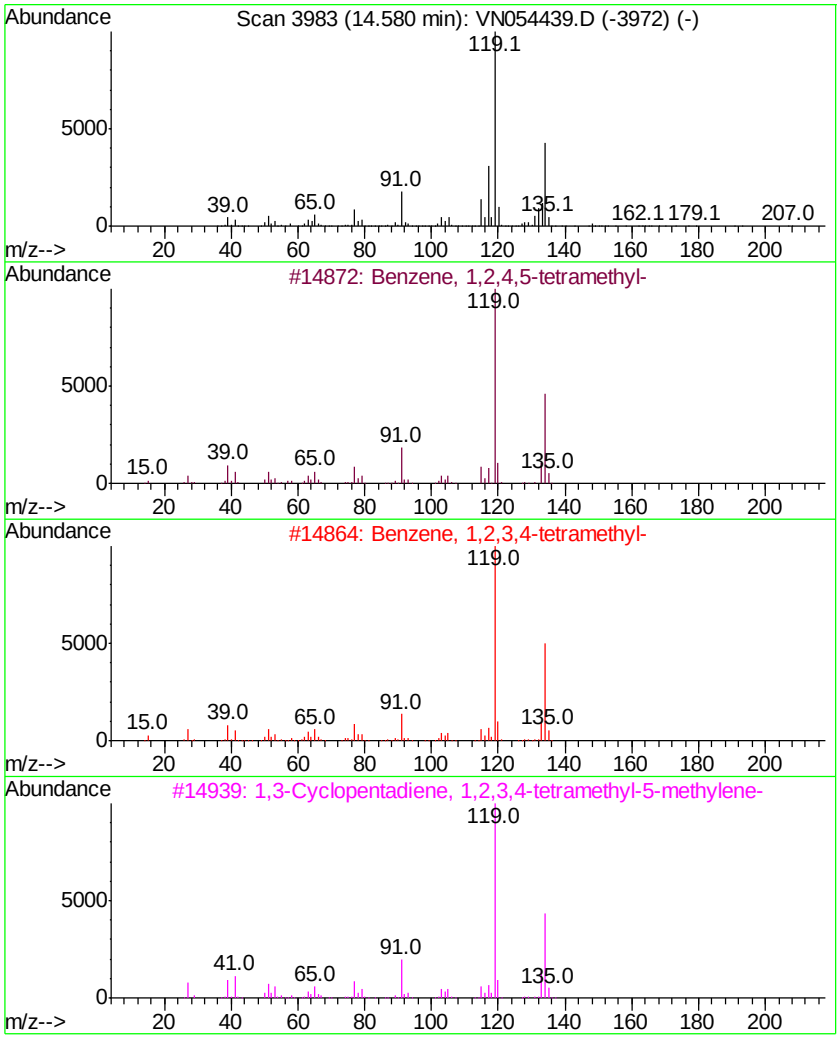
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

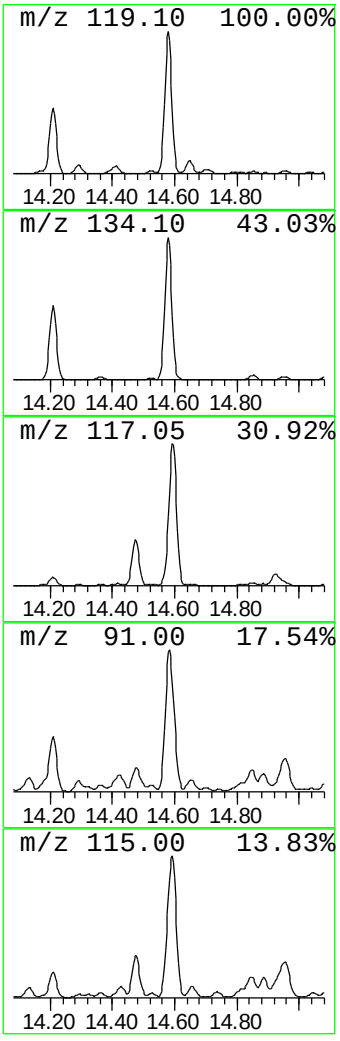
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	134.13 ug/l	14522900	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	92
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
5	o-Cymene	134	C10H14	000527-84-4	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
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Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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

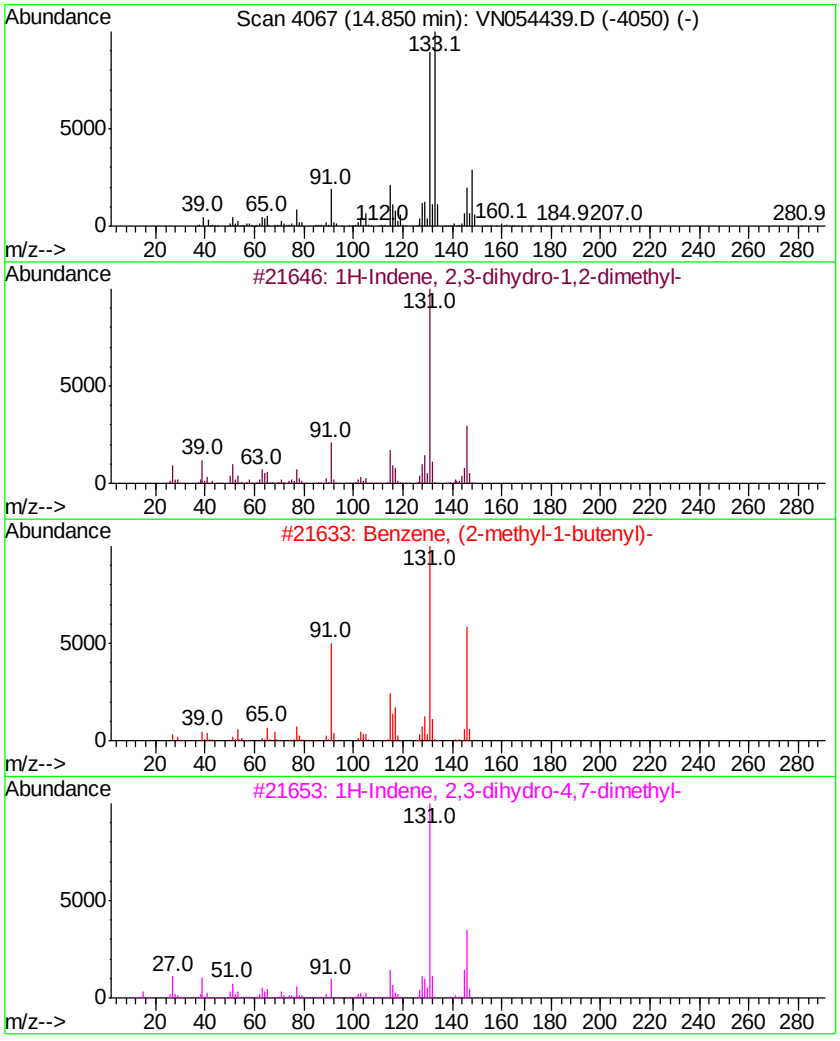
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

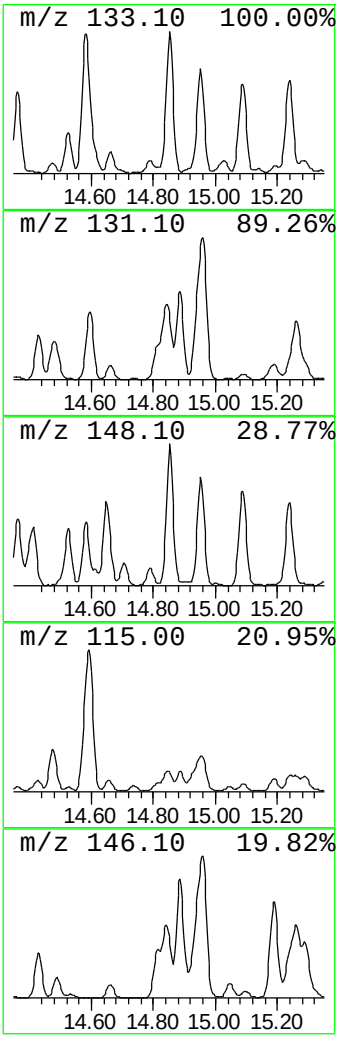
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	20.65 ug/l	2236130	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	78
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	78
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	60
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	55





Library Search Compound Report

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Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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

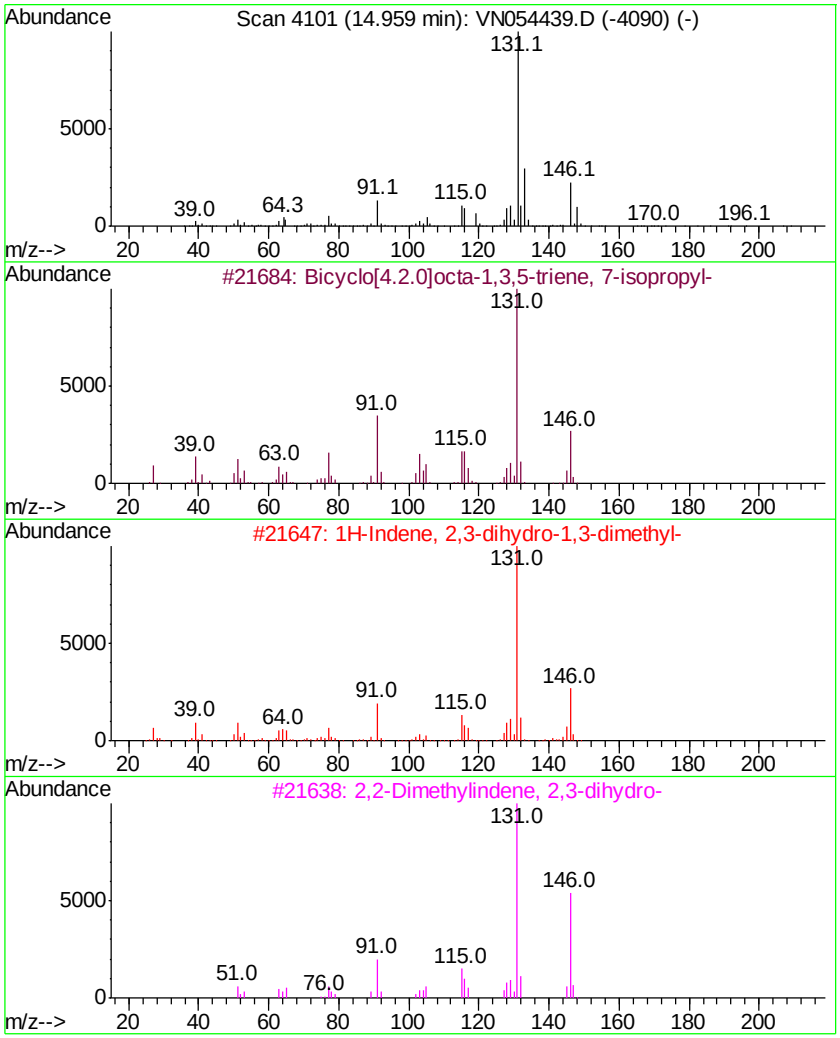
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

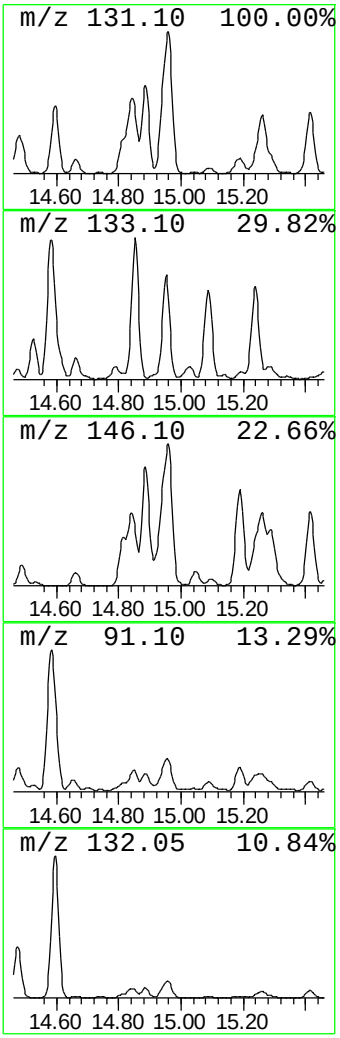
****

Peak Number 7 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	33.55 ug/l	3632140	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	93
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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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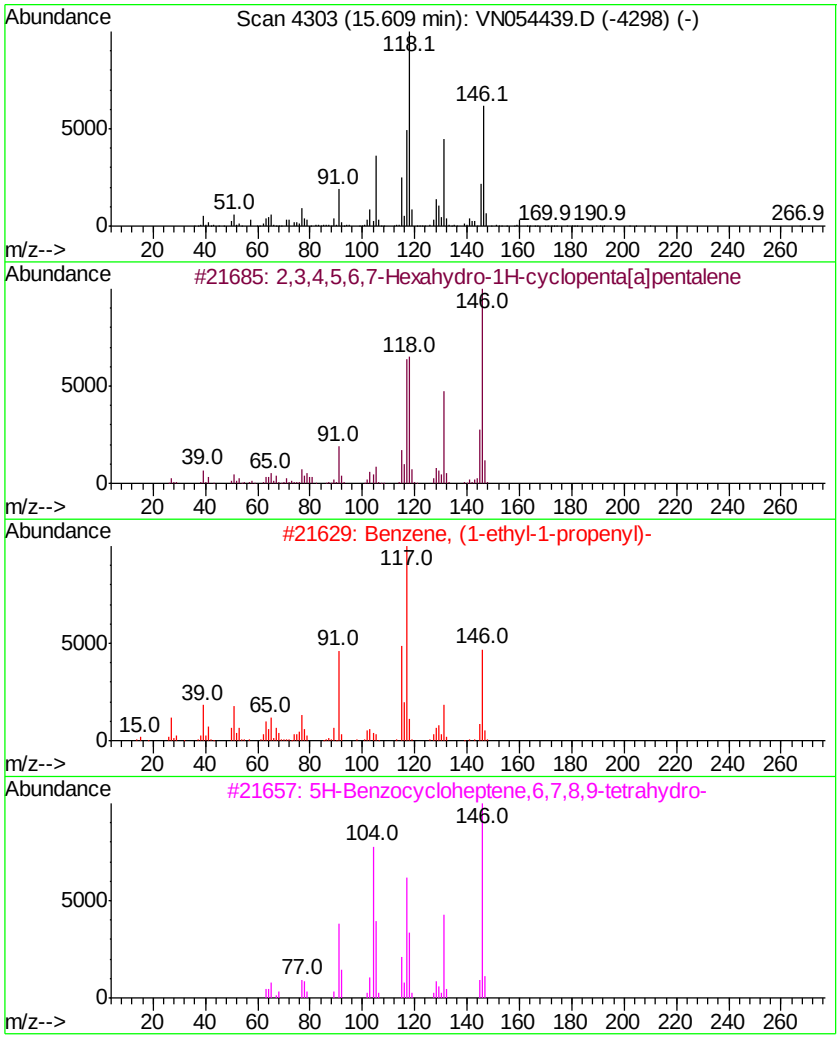
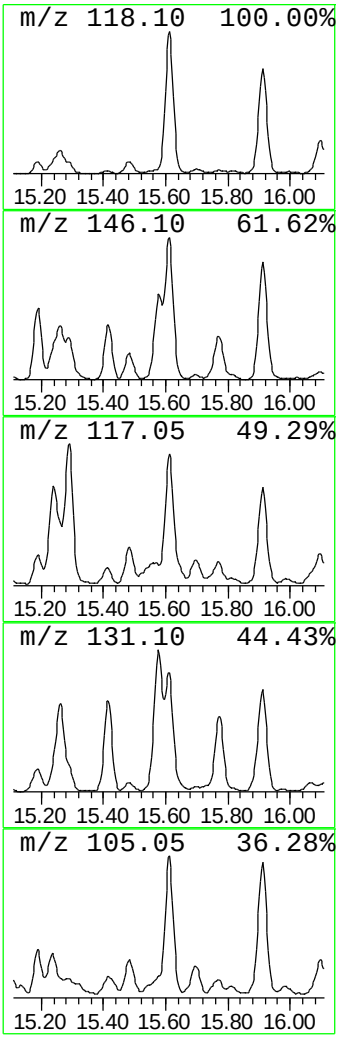
Peak Number 8 2,3,4,5,6,7-Hexahydro-1H-cy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	24.49 ug/l	2652010	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	52
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	50
3	5H-Benzocycloheptene,6,7,8,9-tet...	146	C11H14	001075-16-7	43
4	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	38
5	Pyridine, 3-(3,4-dihydro-2H-pyrr...	146	C9H10N2	000532-12-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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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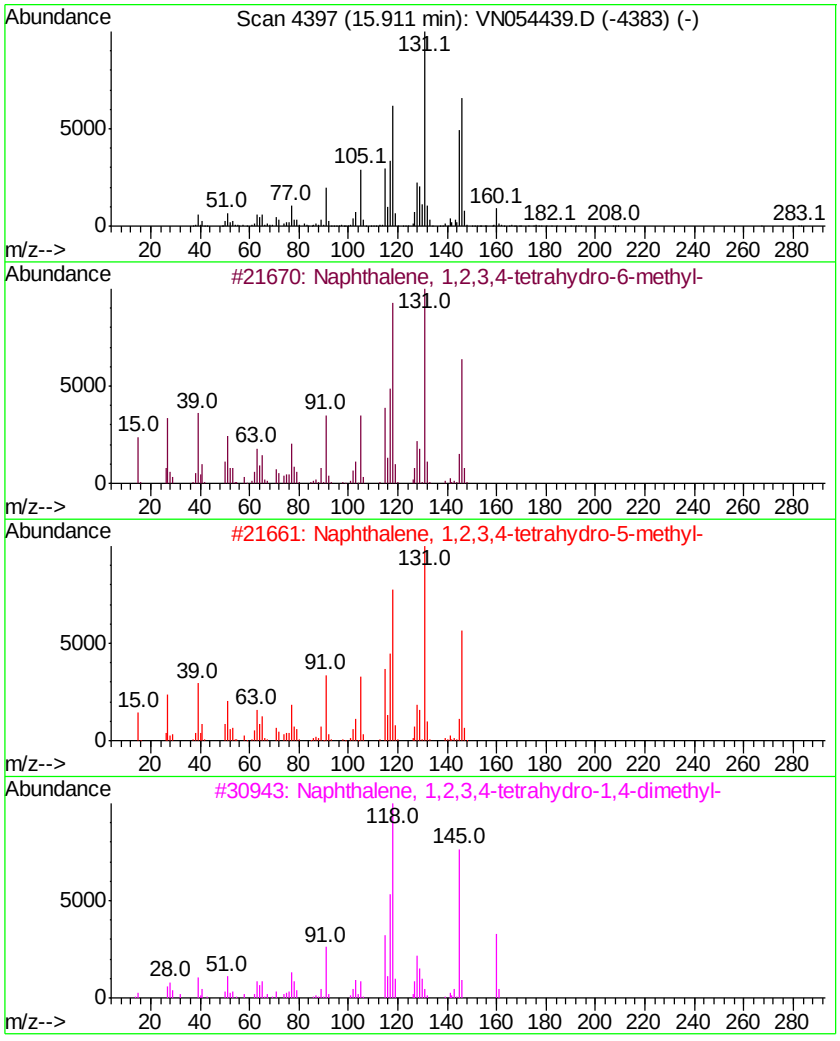
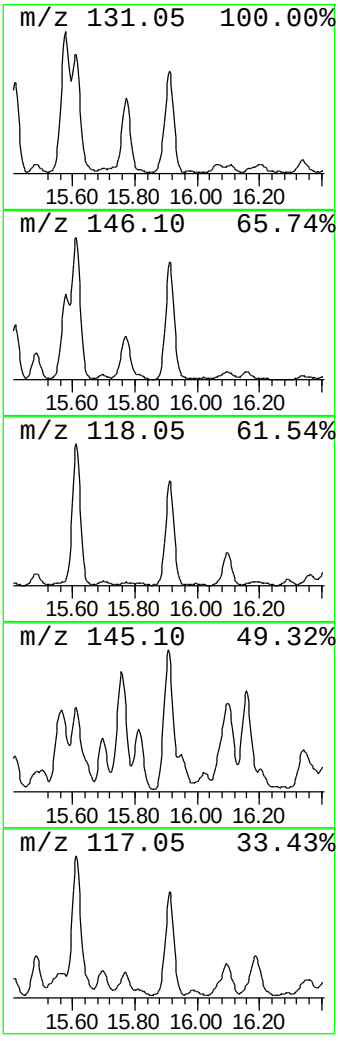
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	30.57 ug/l	3309850	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	90
4	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	62
5	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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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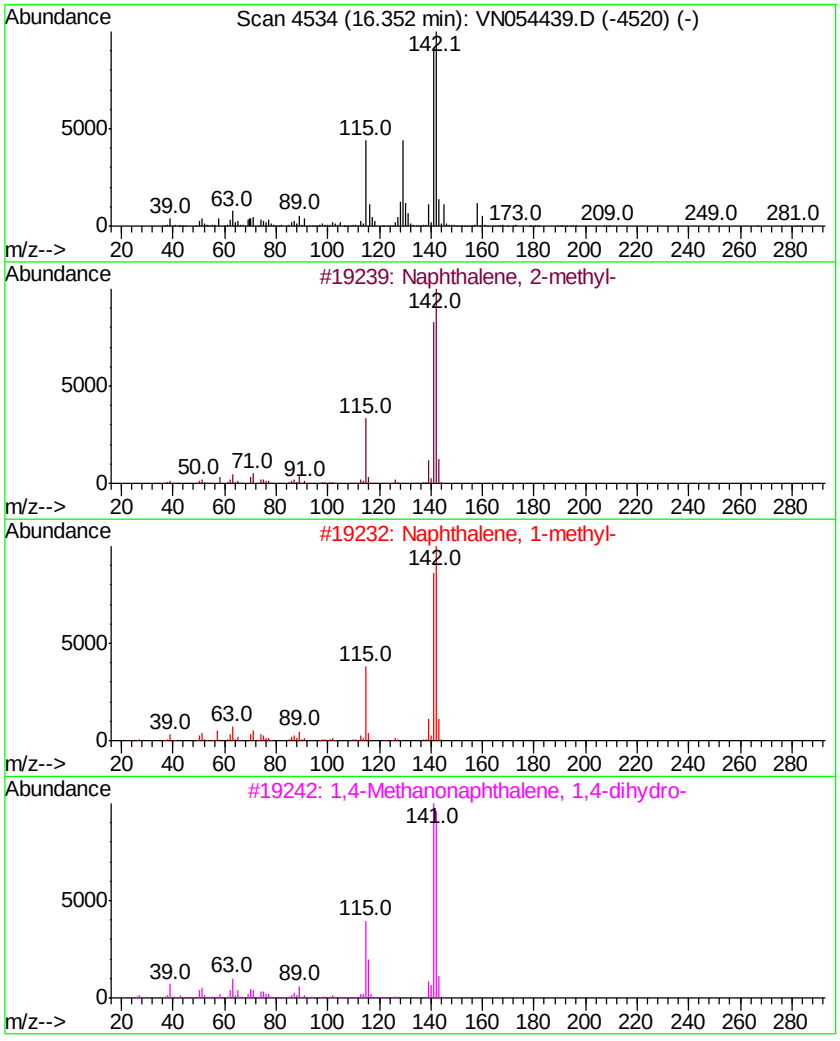
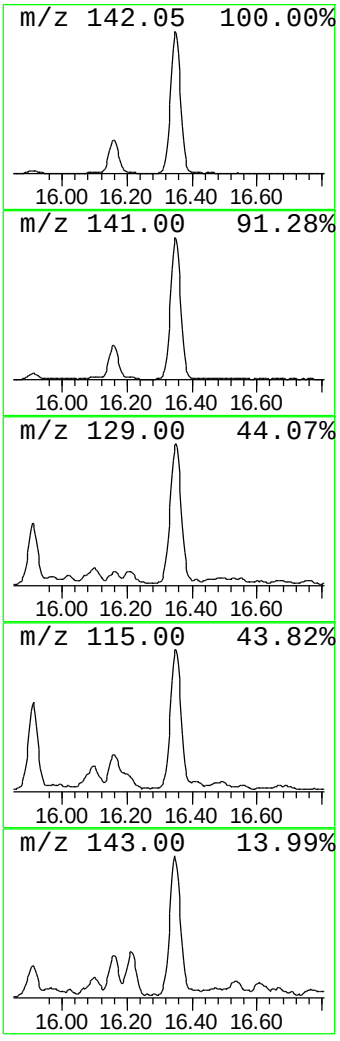
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	27.92 ug/l	3022700	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	70
4	Benzocycloheptatriene	142	C11H10	000264-09-5	68
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
Data File : VN054439.D
Acq On : 19 Mar 2019 14:31
Operator : JC/SP
Sample : K1960-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : T11-MW-6-9.0-031519

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, 1,1'-(1,...	13.54	41.7	ug/l	4518970	4	13.34	5413570	50.0
o-Cymene	13.89	42.8	ug/l	4628600	4	13.34	5413570	50.0
Indan, 1-methyl-	13.99	51.0	ug/l	5524930	4	13.34	5413570	50.0
Benzene, 1,2,3,5-...	14.21	44.7	ug/l	4844540	4	13.34	5413570	50.0
Benzene, 1,2,4,5-...	14.58	134.1	ug/l	14522900	4	13.34	5413570	50.0
1H-Indene, 2,3-di...	14.85	20.6	ug/l	2236130	4	13.34	5413570	50.0
Bicyclo[4.2.0]oct...	14.96	33.5	ug/l	3632140	4	13.34	5413570	50.0
2,3,4,5,6,7-Hexah...	15.61	24.5	ug/l	2652010	4	13.34	5413570	50.0
Naphthalene, 1,2,...	15.91	30.6	ug/l	3309850	4	13.34	5413570	50.0
Naphthalene, 1-me...	16.35	27.9	ug/l	3022700	4	13.34	5413570	50.0