LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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	2.809	311	322	340	rVB	260764	522205	2.77%	0.477%
2	4.519	831	854	860	rBV5	74586	216725	1.15%	0.198%
3	5.043	995	1017	1040	rBV3	193715	688014	3.65%	0.629%
4	5.918	1268	1289	1312	rBV2	63628	197107	1.04%	0.180%
5	6.368	1409	1429	1443	rBV6	66747	212864	1.13%	0.195%
6	6.622	1488	1508	1525	rBV	575654	1796471	9.52%	1.642%
7	7.323	1707	1726	1735	rBV3	76750	213950	1.13%	0.196%
8	7.384	1737	1745	1765	rVB4	104494	275075	1.46%	0.251%
9	7.593	1787	1810	1818	rBV	815794	2099452	11.13%	1.919%
10	7.661	1819	1831	1847	rVB2	1663244	4467945	23.69%	4.084%
11	7.873	1883	1897	1908	rBV3	190055	463130	2.46%	0.423%
12	8.034	1930	1947	1970	rBV3	955984	2446008	12.97%	2.236%
13	8.159	1971	1986	1998	rVV6	350624	974233	5.16%	0.890%
14	8.233	2000	2009	2020	rVV4	323487	806202	4.27%	0.737%
15	8.301	2020	2030	2048	rVB2	280782	666386	3.53%	0.609%
16	8.587	2102	2119	2141	rBV	2112112	5037883	26.71%	4.604%
17	8.818	2179	2191	2200	rBV	283824	612851	3.25%	0.560%
18	9.079	2247	2272	2287	rBV2	1145206	3174720	16.83%	2.902%
19	9.268	2321	2331	2344	rVB	185433	357502	1.90%	0.327%
20	9.612	2425	2438	2449	rBV2	742776	1501499	7.96%	1.372%
21	9.844	2499	2510	2525	rBV2	77317	232385	1.23%	0.212%
22	9.969	2538	2549	2573	rVB	502602	1066451	5.65%	0.975%
23	10.091	2573	2587	2618	rBV	3260519	7035463	37.30%	6.430%
24	10.432	2684	2693	2705	rVV2	176047	309809	1.64%	0.283%
25	10.519	2708	2720	2737	rVB4	520276	1133348	6.01%	1.036%
26	10.792	2789	2805	2811	rBV6	134514	310304	1.64%	0.284%
27	10.918	2837	2844	2850	rBV2	150032	217899	1.16%	0.199%
28	11.410	2983	2997	3011	rBV	3125949	5941615	31.50%	5.430%
29	11.616	3050	3061	3068	rBV2	99897	197882	1.05%	0.181%
30	12.249	3247	3258	3290	rVB	1610101	2855938	15.14%	2.610%
31	12.403	3291	3306	3323	rBV	2803546	4948521	26.23%	4.523%
32	12.593	3352	3365	3380	rBV	3321358	5387744	28.56%	4.924%
33	12.892	3447	3458	3472	rBV	457035	773381	4.10%	0.707%
34	13.165	3530	3543	3555	rVB3	298217	715775	3.79%	0.654%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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	13.342	3587	3598	3620	rVB	3090375	5312319	28.16%	4.855%
36	13.545	3639	3661	3673	rBV	9721269	18863876	100.00%	17.241%
37	13.673	3692	3701	3713	rVB	419576	667007	3.54%	0.610%
38	13.889	3757	3768	3777	rBV	1153149	1806183	9.57%	1.651%
39	13.947	3777	3786	3792	rVV	1079167	1624141	8.61%	1.484%
40	13.995	3792	3801	3815	rVB	3844215	6265326	33.21%	5.726%
41	14.133	3833	3844	3852	rBV	161467	273504	1.45%	0.250%
42	14.210	3855	3868	3886	rVB	2344531	3825098	20.28%	3.496%
43	14.291	3886	3893	3899	rBV2	151135	229152	1.21%	0.209%
44	14.429	3930	3936	3941	rVV2	191207	284843	1.51%	0.260%
45	14.477	3941	3951	3962	rVV2	1776641	2866567	15.20%	2.620%
46	14.593	3974	3987	3999	rBV2	2325804	4275191	22.66%	3.907%
47	14.657	3999	4007	4017	rVB4	262651	447259	2.37%	0.409%
48	14.741	4025	4033	4041	rBV	180462	266357	1.41%	0.243%
49	14.850	4050	4067	4075	rBV4	874134	1931641	10.24%	1.765%
50	14.959	4089	4101	4121	rVB2	631479	1447557	7.67%	1.323%
51	15.242	4180	4189	4197	rBV5	135241	280404	1.49%	0.256%
52	15.416	4233	4243	4254	rBV	241856	423271	2.24%	0.387%
53	15.580	4283	4294	4312	rVB	191699	467708	2.48%	0.427%

Sum of corrected areas: 109414141

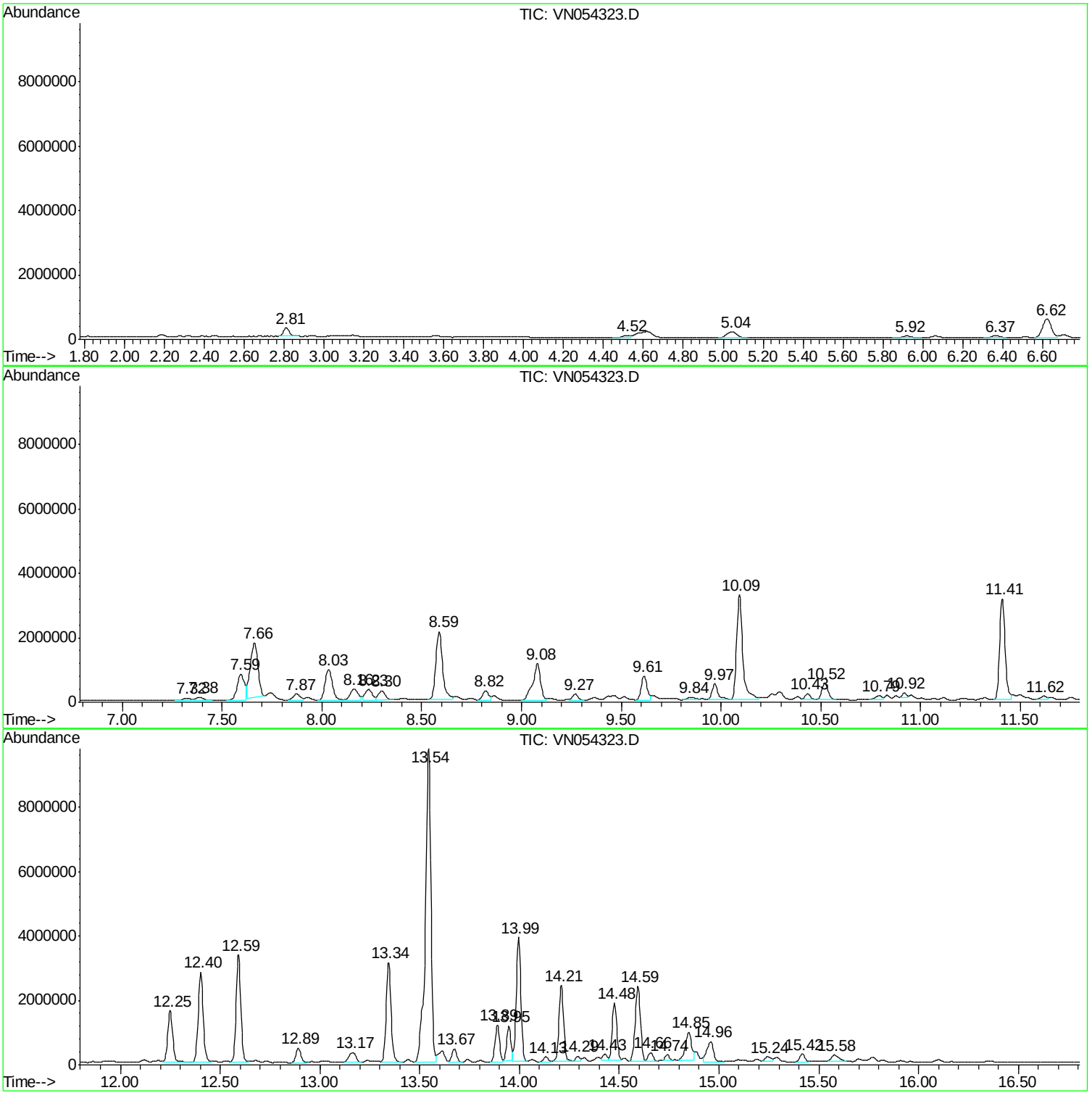
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

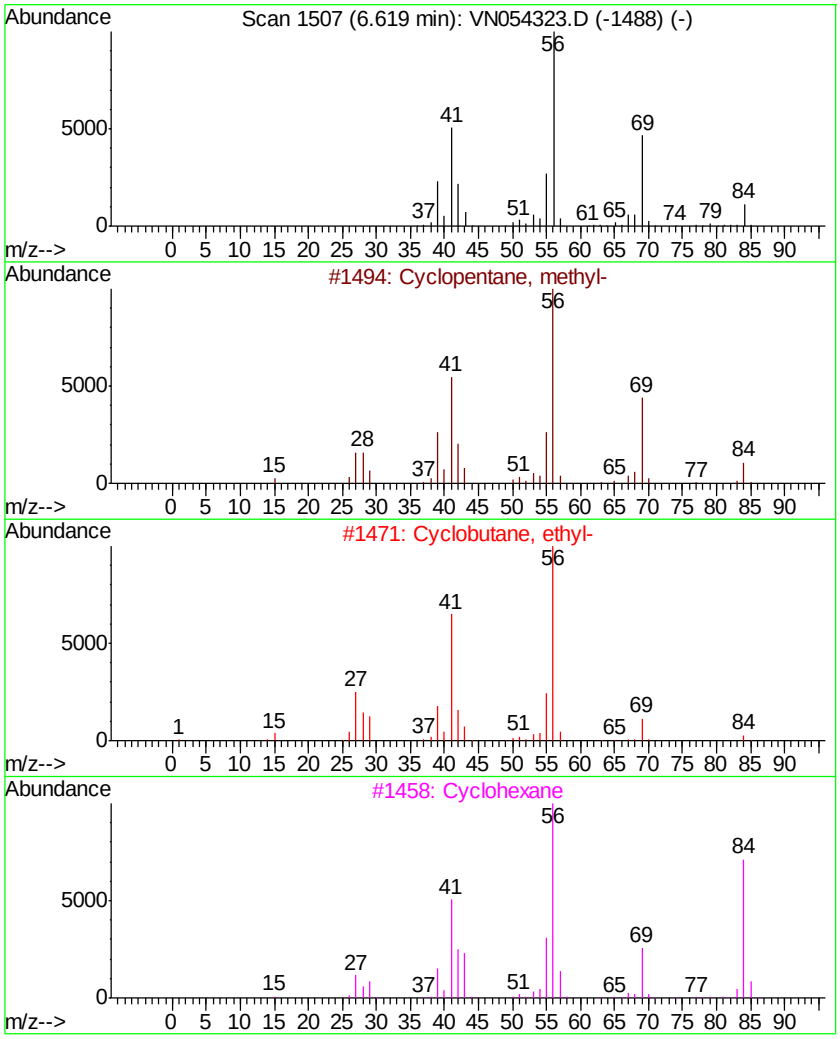
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

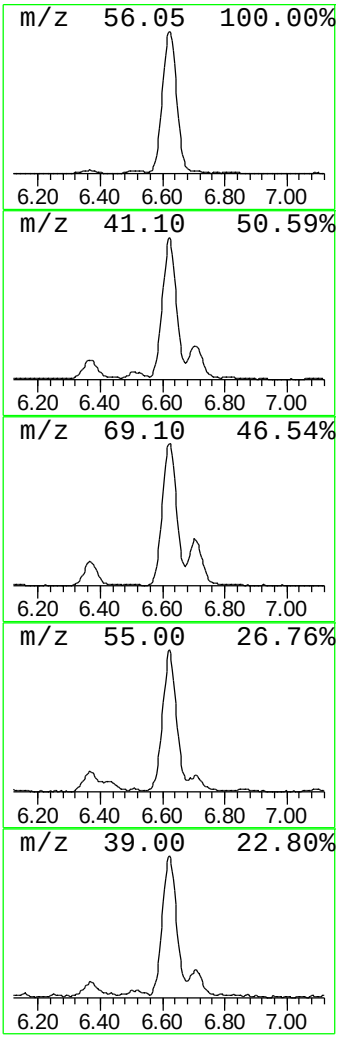
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	20.10 ug/l	1796470	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	Cyclohexane	84	C6H12	000110-82-7	64
4	Cyclobutane	56	C4H8	000287-23-0	50
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

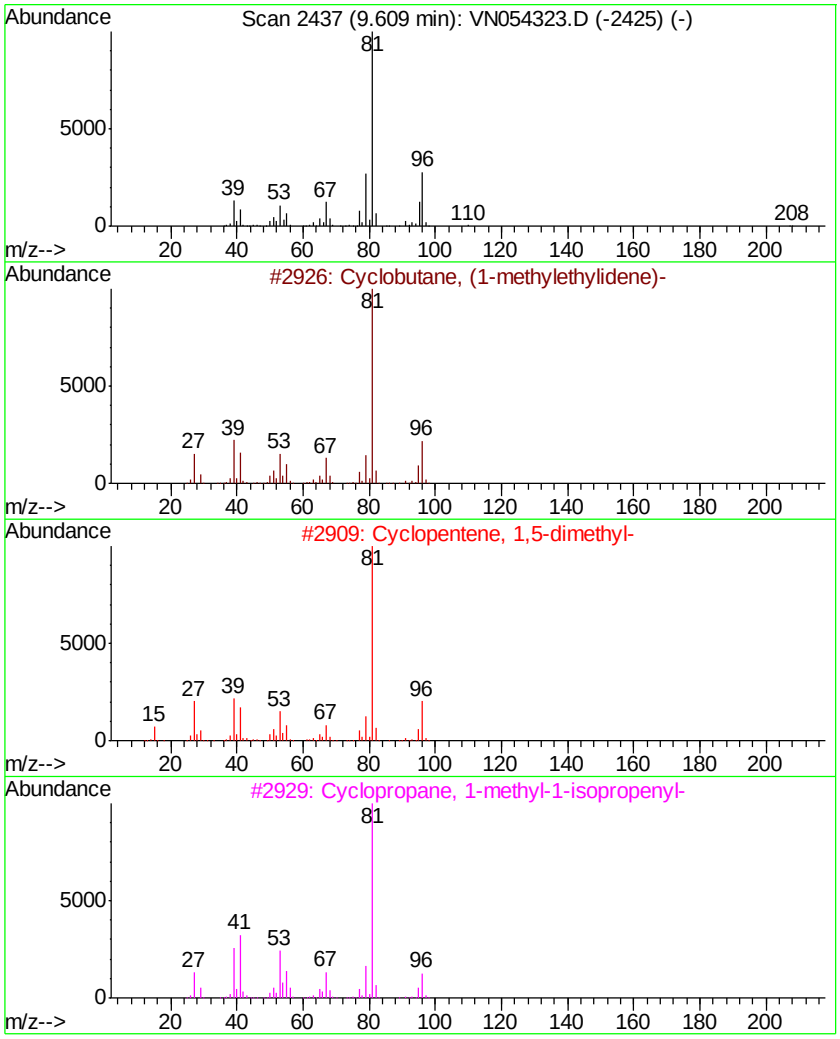
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

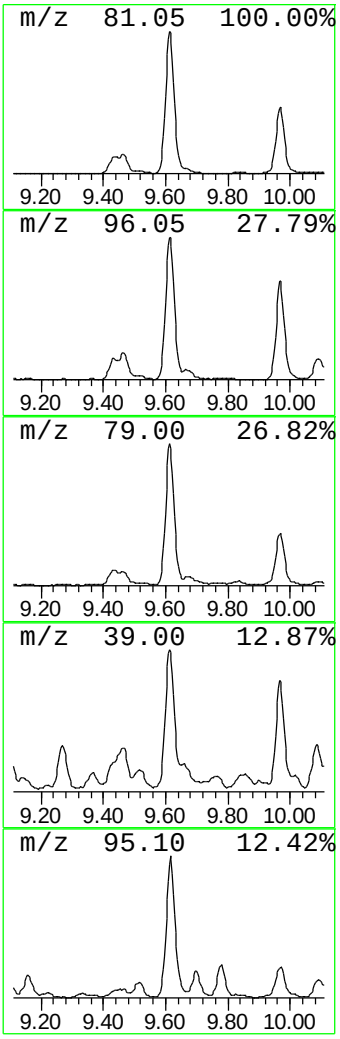
****

Peak Number 2 Cyclobutane, (1-methylethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	14.90 ug/l	1501500	1,4-Difluorobenzene	8.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	87
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
3	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

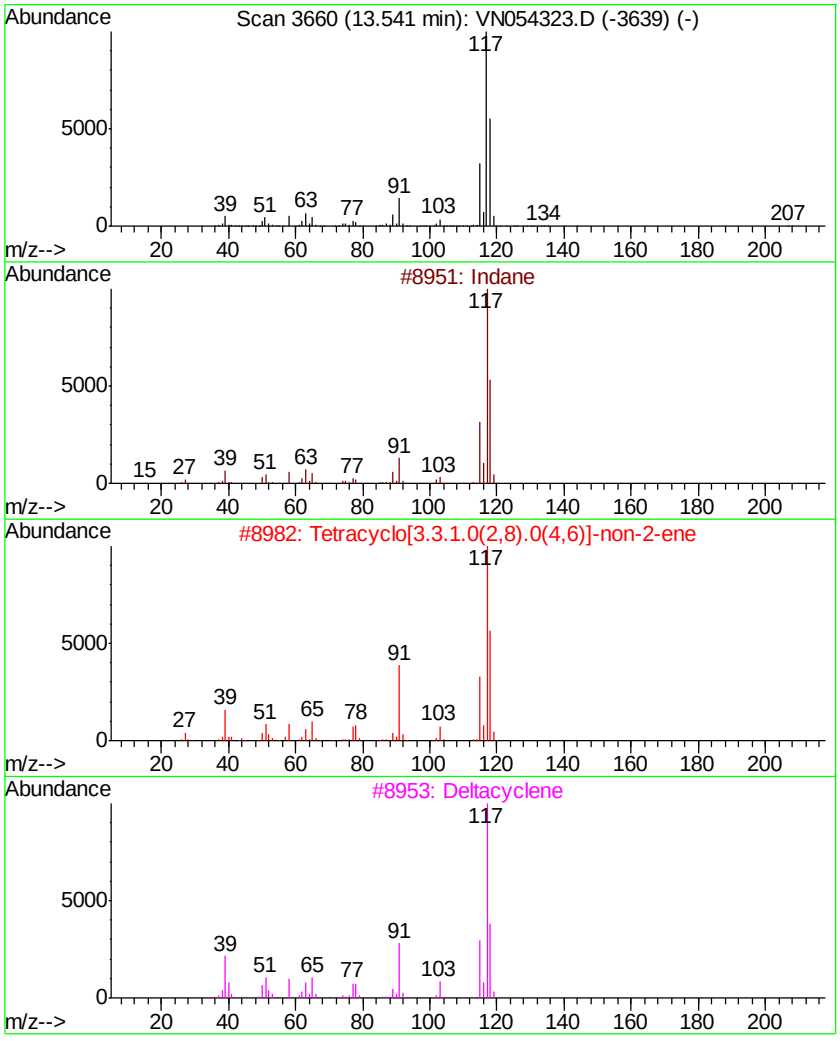
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

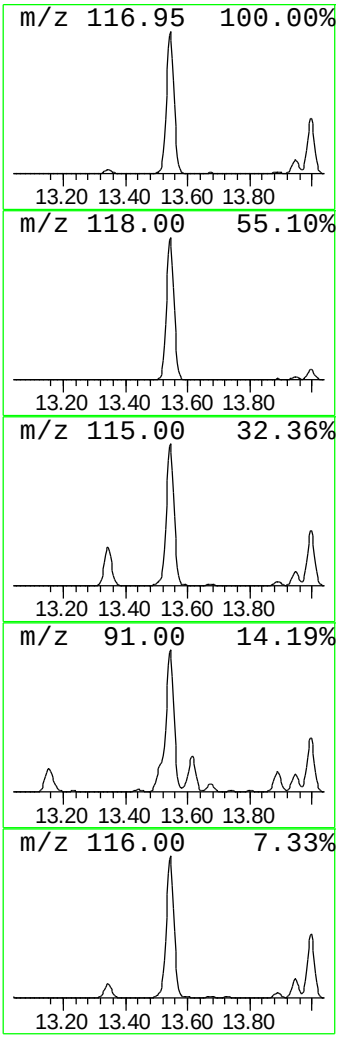
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	177.55 ug/l	18863900	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	72
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

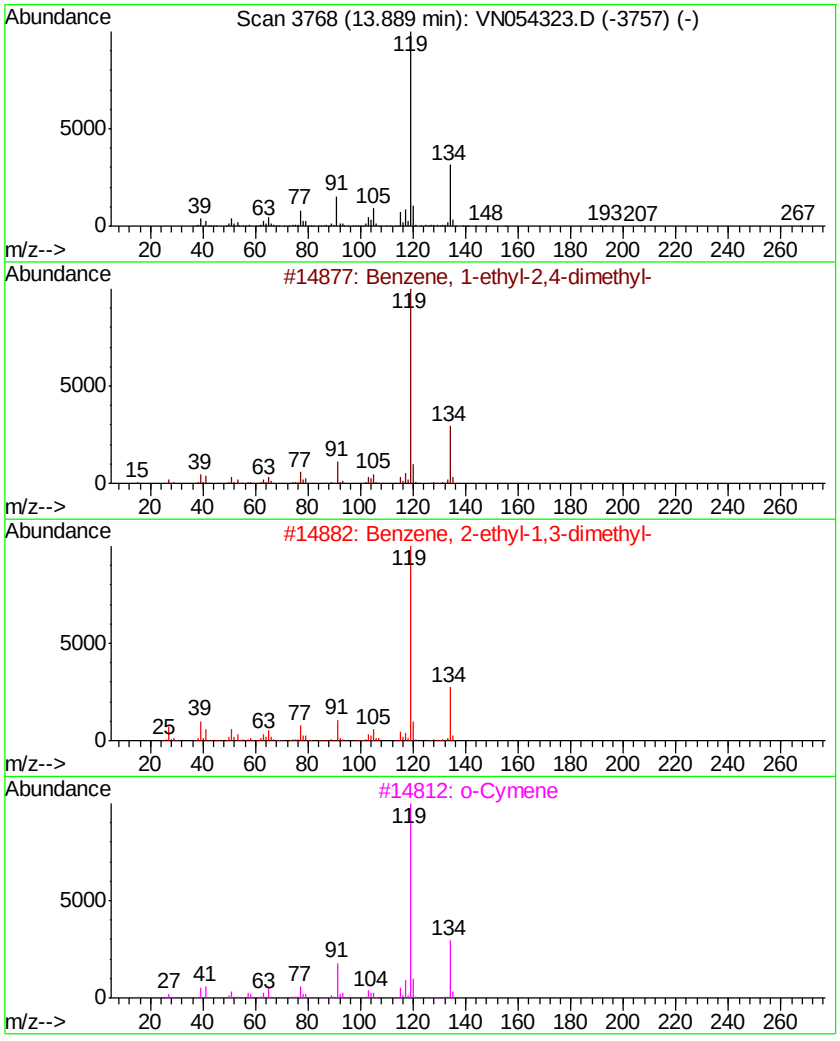
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

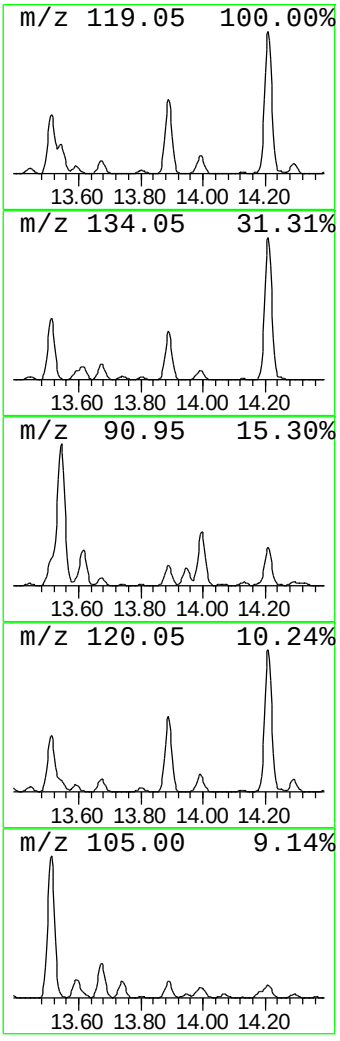
****

Peak Number 4 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	17.00 ug/l	1806180	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

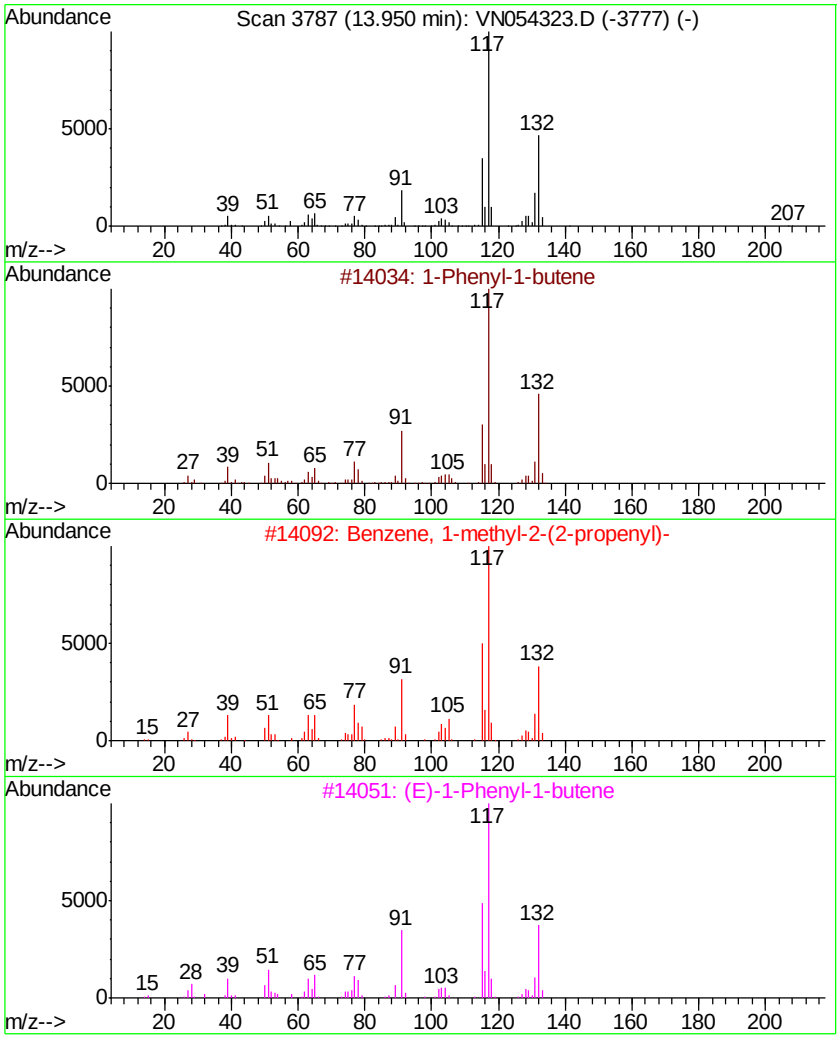
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

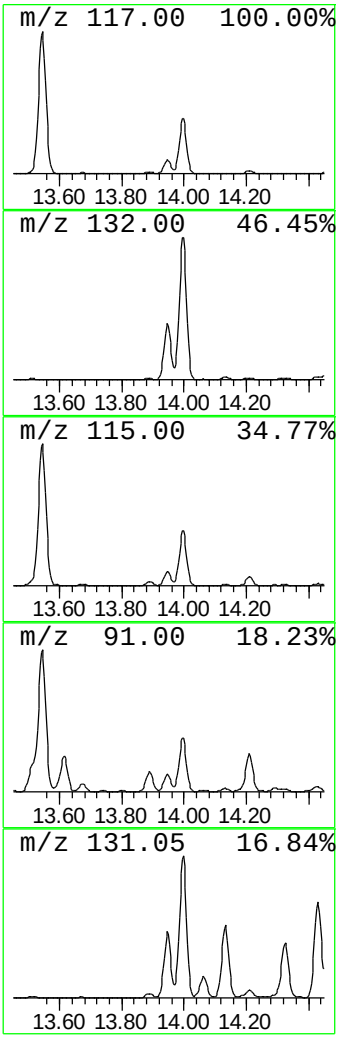
****

Peak Number 5 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	15.29 ug/l	1624140	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	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	92





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

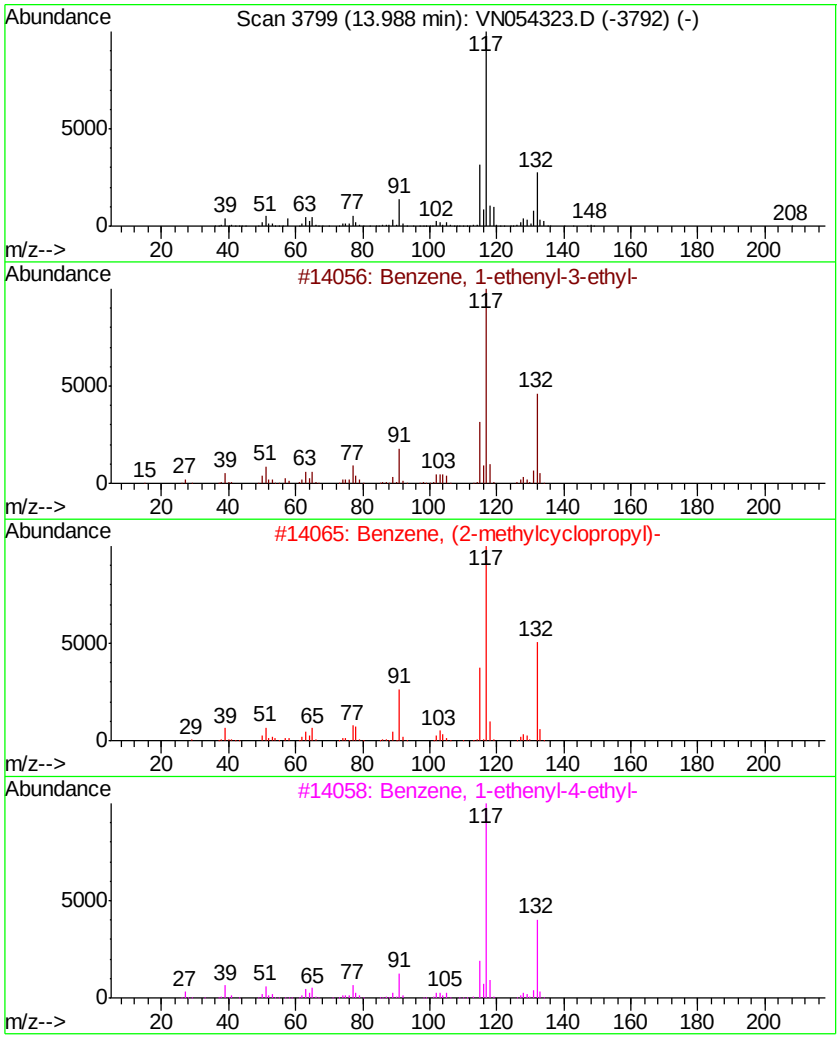
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

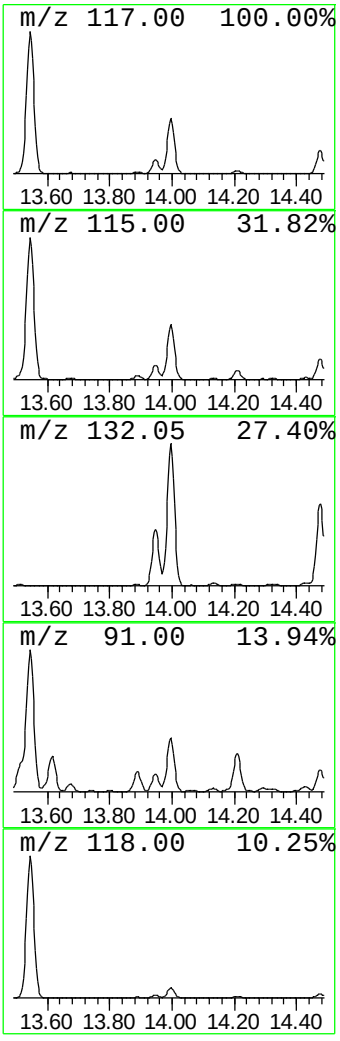
****

Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	58.97 ug/l	6265330	1,4-Dichlorobenzene-d4	13.35

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

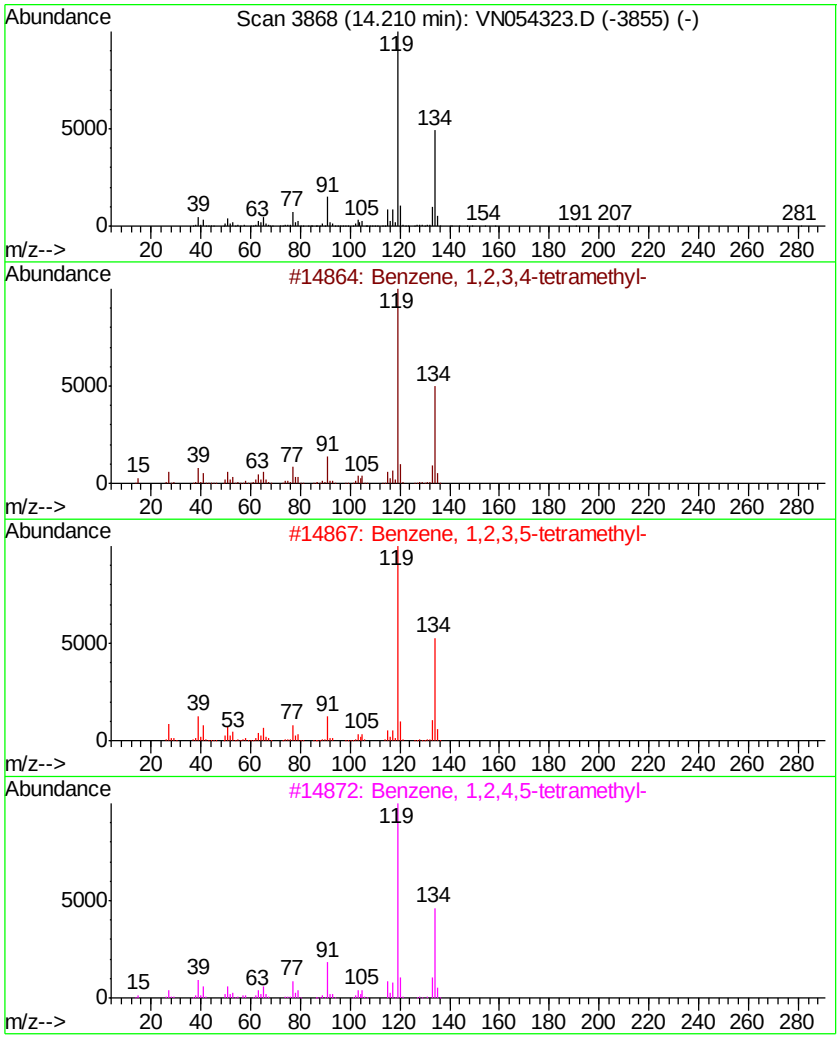
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

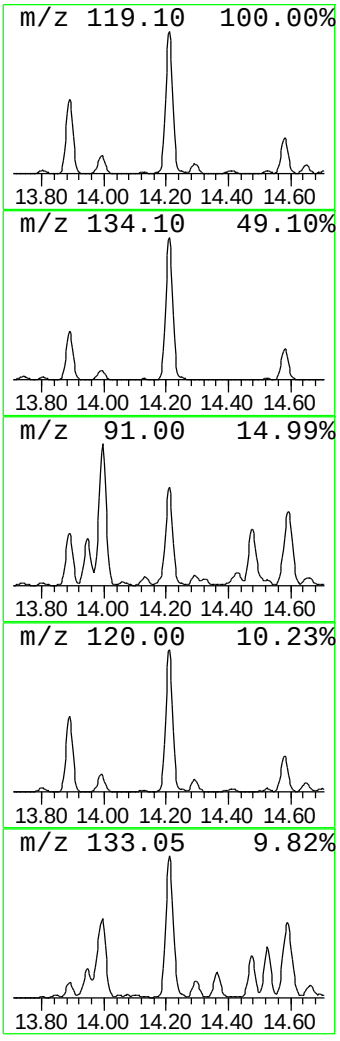
****

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	36.00 ug/l	3825100	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

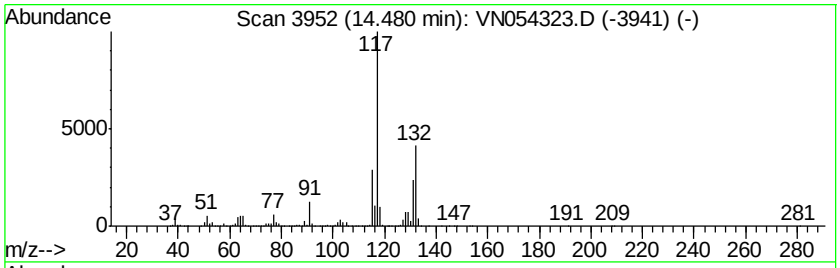
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

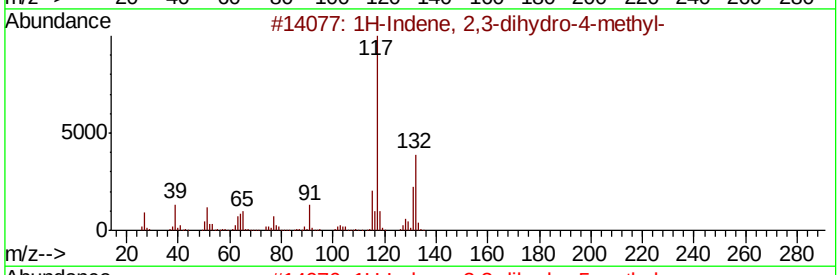
****

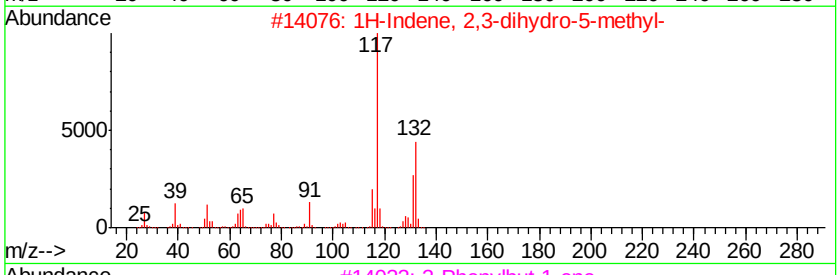
Peak Number 8 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

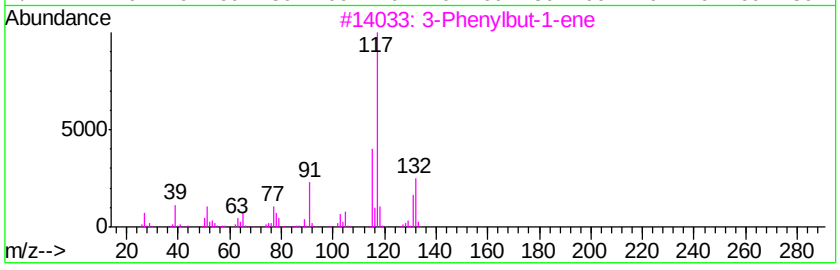
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	26.98 ug/l	2866570	1,4-Dichlorobenzene-d4	13.35

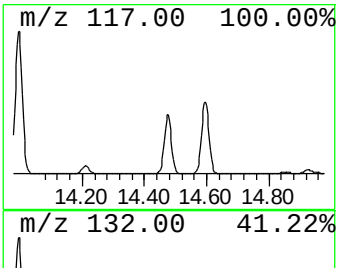
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87

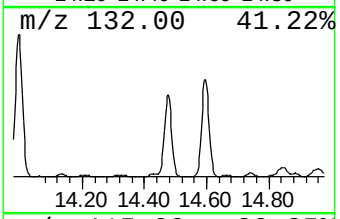


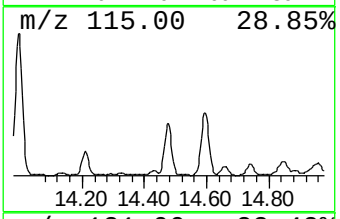


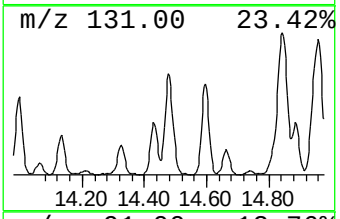


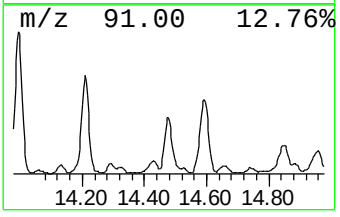












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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

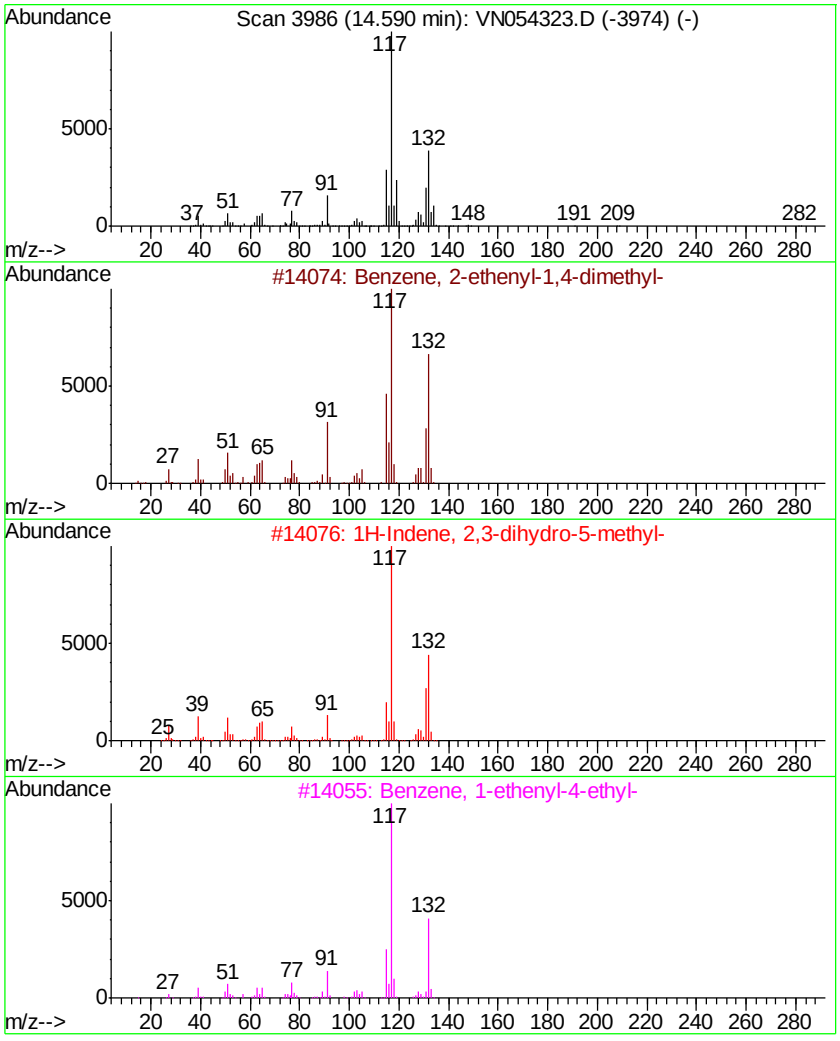
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

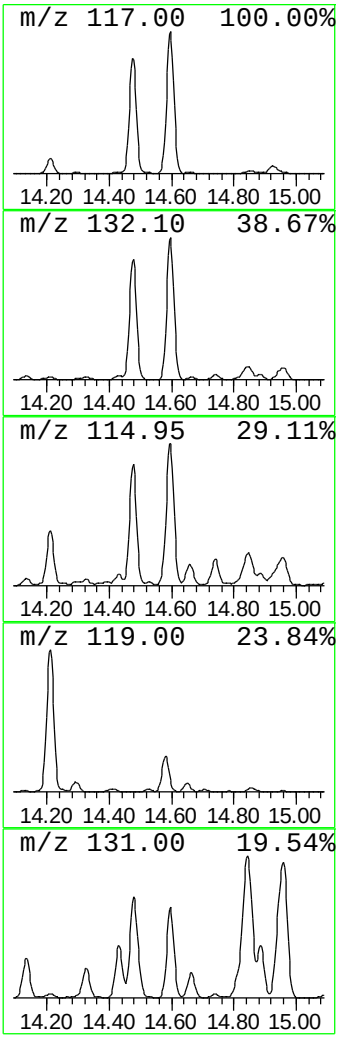
****

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	40.24 ug/l	4275190	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	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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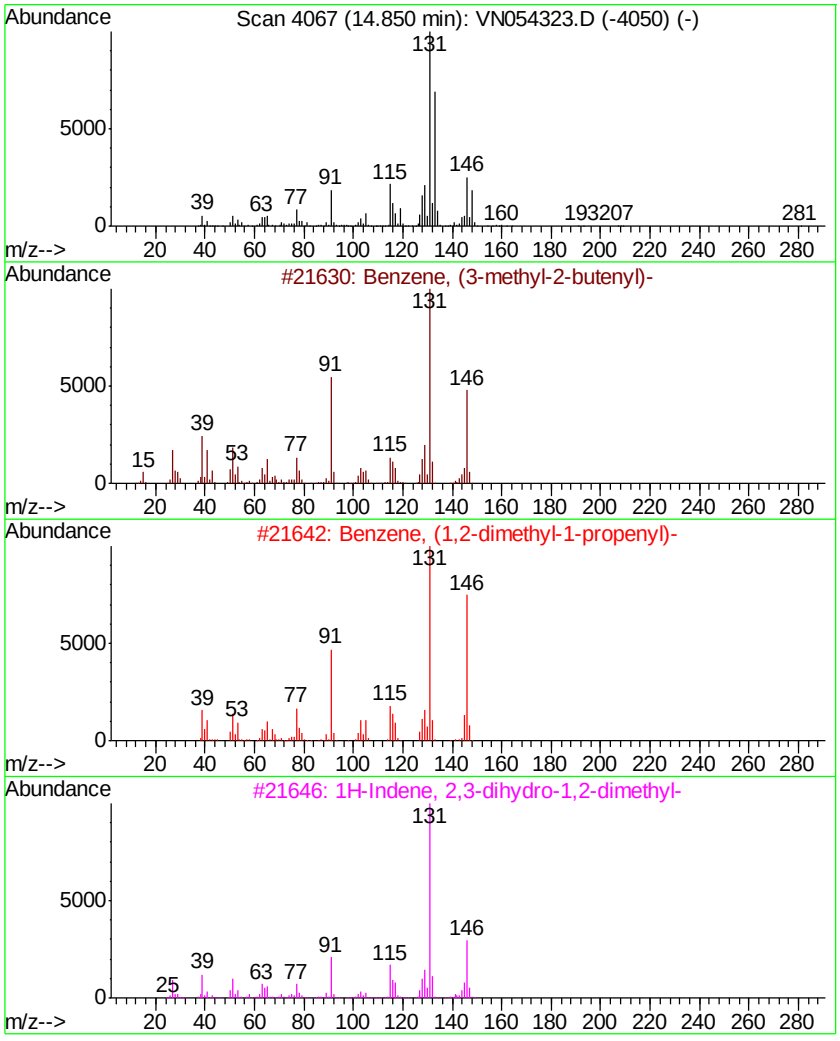
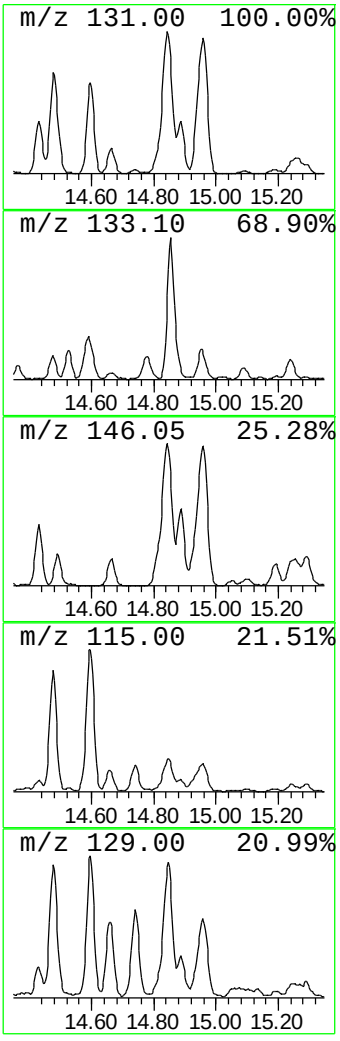
Peak Number 10 Benzene, (3-methyl-2-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	18.18 ug/l	1931640	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	93
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	76
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054323.D
Acq On : 15 Mar 2019 21:28
Operator : JC/SP
Sample : K1903-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-3

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...	6.62	20.1	ug/l	1796470	1	7.67	4467950	50.0
Cyclobutane, (1-m...	9.61	14.9	ug/l	1501500	2	8.59	5037880	50.0
Indane	13.54	177.6	ug/l	18863900	4	13.35	5312320	50.0
Benzene, 1-ethyl-...	13.89	17.0	ug/l	1806180	4	13.35	5312320	50.0
1-Phenyl-1-butene	13.95	15.3	ug/l	1624140	4	13.35	5312320	50.0
Benzene, 1-etheny...	13.99	59.0	ug/l	6265330	4	13.35	5312320	50.0
Benzene, 1,2,3,4-...	14.21	36.0	ug/l	3825100	4	13.35	5312320	50.0
1H-Indene, 2,3-di...	14.48	27.0	ug/l	2866570	4	13.35	5312320	50.0
Benzene, 2-etheny...	14.59	40.2	ug/l	4275190	4	13.35	5312320	50.0
Benzene, (3-methy...	14.85	18.2	ug/l	1931640	4	13.35	5312320	50.0