LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050295.D
Acq On : 3 Aug 2018 5:02
Operator : MD\SY
Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

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\82N072418W.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	1.661	3	22	48	rBV	2439933	3804030	98.54%	11.637%
2	1.773	49	57	71	rBV	53806	116566	3.02%	0.357%
3	4.079	751	774	793	rBV4	13043	51277	1.33%	0.157%
4	7.593	1845	1867	1879	rBV	548165	1391827	36.05%	4.258%
5	7.667	1879	1890	1909	rVB	784793	1851270	47.96%	5.664%
6	8.030	1985	2003	2027	rBV	549968	1301870	33.72%	3.983%
7	8.249	2037	2071	2077	rBV5	198598	1057196	27.39%	3.234%
8	8.587	2161	2176	2215	rVB	1200209	2528904	65.51%	7.737%
9	10.095	2629	2645	2675	rBV	2067740	3860399	100.00%	11.810%
10	10.432	2740	2750	2765	rVB4	23530	47072	1.22%	0.144%
11	11.410	3040	3054	3073	rBV	1483302	2625213	68.00%	8.031%
12	11.496	3073	3081	3091	rVB3	30977	53903	1.40%	0.165%
13	11.657	3120	3131	3150	rVB6	32044	77217	2.00%	0.236%
14	11.918	3199	3212	3219	rBV7	19417	44307	1.15%	0.136%
15	11.976	3221	3230	3237	rVB3	27400	46923	1.22%	0.144%
16	12.120	3255	3275	3285	rBV9	41936	110040	2.85%	0.337%
17	12.252	3308	3316	3328	rVB2	74139	133288	3.45%	0.408%
18	12.342	3328	3344	3351	rBV8	24743	52656	1.36%	0.161%
19	12.403	3351	3363	3377	rBV	1278313	2151902	55.74%	6.583%
20	12.474	3377	3385	3397	rVB4	47544	87308	2.26%	0.267%
21	12.664	3428	3444	3453	rBV8	14238	41290	1.07%	0.126%
22	12.722	3454	3462	3475	rVB9	29848	64637	1.67%	0.198%
23	12.866	3500	3507	3515	rVB7	23778	40863	1.06%	0.125%
24	12.995	3524	3547	3556	rBV4	63042	157538	4.08%	0.482%
25	13.172	3588	3602	3626	rVB3	218590	562818	14.58%	1.722%
26	13.345	3643	3656	3670	rBV	1302650	2131718	55.22%	6.521%
27	13.445	3679	3687	3699	rVB	108678	164796	4.27%	0.504%
28	13.512	3699	3708	3716	rBV	251143	411085	10.65%	1.258%
29	13.673	3747	3758	3770	rVV	207395	333035	8.63%	1.019%
30	13.889	3813	3825	3835	rBV2	273280	456912	11.84%	1.398%
31	13.947	3835	3843	3849	rVV2	92587	157994	4.09%	0.483%
32	13.998	3849	3859	3867	rVV	289226	529320	13.71%	1.619%
33	14.066	3868	3880	3891	rVB4	97001	249778	6.47%	0.764%
34	14.133	3891	3901	3908	rBV	137304	218844	5.67%	0.669%

LSC Area Percent Report

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Operator : MD\SY
Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

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\82N072418W.M
Title : SW846 8260

35	14.213	3908	3926	3941	rVB4	253342	650724	16.86%	1.991%
36	14.294	3943	3951	3956	rBV3	49107	76381	1.98%	0.234%
37	14.368	3968	3974	3981	rVV	46621	64894	1.68%	0.199%
38	14.426	3982	3992	4001	rVB5	89252	180859	4.68%	0.553%
39	14.483	4001	4010	4018	rBV6	62890	114510	2.97%	0.350%
40	14.532	4019	4025	4031	rVV4	40341	51553	1.34%	0.158%
41	14.586	4031	4042	4055	rVV4	367481	731832	18.96%	2.239%
42	14.657	4056	4064	4074	rVB4	65535	116331	3.01%	0.356%
43	14.786	4096	4104	4111	rBV5	45105	78483	2.03%	0.240%
44	14.850	4116	4124	4131	rVV4	132090	237160	6.14%	0.726%
45	14.889	4131	4136	4146	rVV3	97664	212145	5.50%	0.649%
46	14.956	4149	4157	4168	rVB3	192956	397298	10.29%	1.215%
47	15.049	4179	4186	4192	rBV4	27639	46309	1.20%	0.142%
48	15.094	4194	4200	4211	rVB5	57005	96025	2.49%	0.294%
49	15.191	4219	4230	4239	rBV	322922	568793	14.73%	1.740%
50	15.265	4241	4253	4279	rVB3	304412	763136	19.77%	2.335%
51	15.413	4289	4299	4311	rVB6	51455	104426	2.71%	0.319%
52	15.487	4314	4322	4332	rVV6	42268	82140	2.13%	0.251%
53	15.702	4380	4389	4400	rBV5	72551	142174	3.68%	0.435%
54	15.914	4444	4455	4469	rVB	196840	384179	9.95%	1.175%
55	16.104	4504	4514	4526	rBV3	79502	153998	3.99%	0.471%
56	16.181	4526	4538	4557	rVB8	68527	223773	5.80%	0.685%
57	16.358	4580	4593	4605	rBV3	115411	296790	7.69%	0.908%

Sum of corrected areas: 32687709

LSC Report - Integrated Chromatogram

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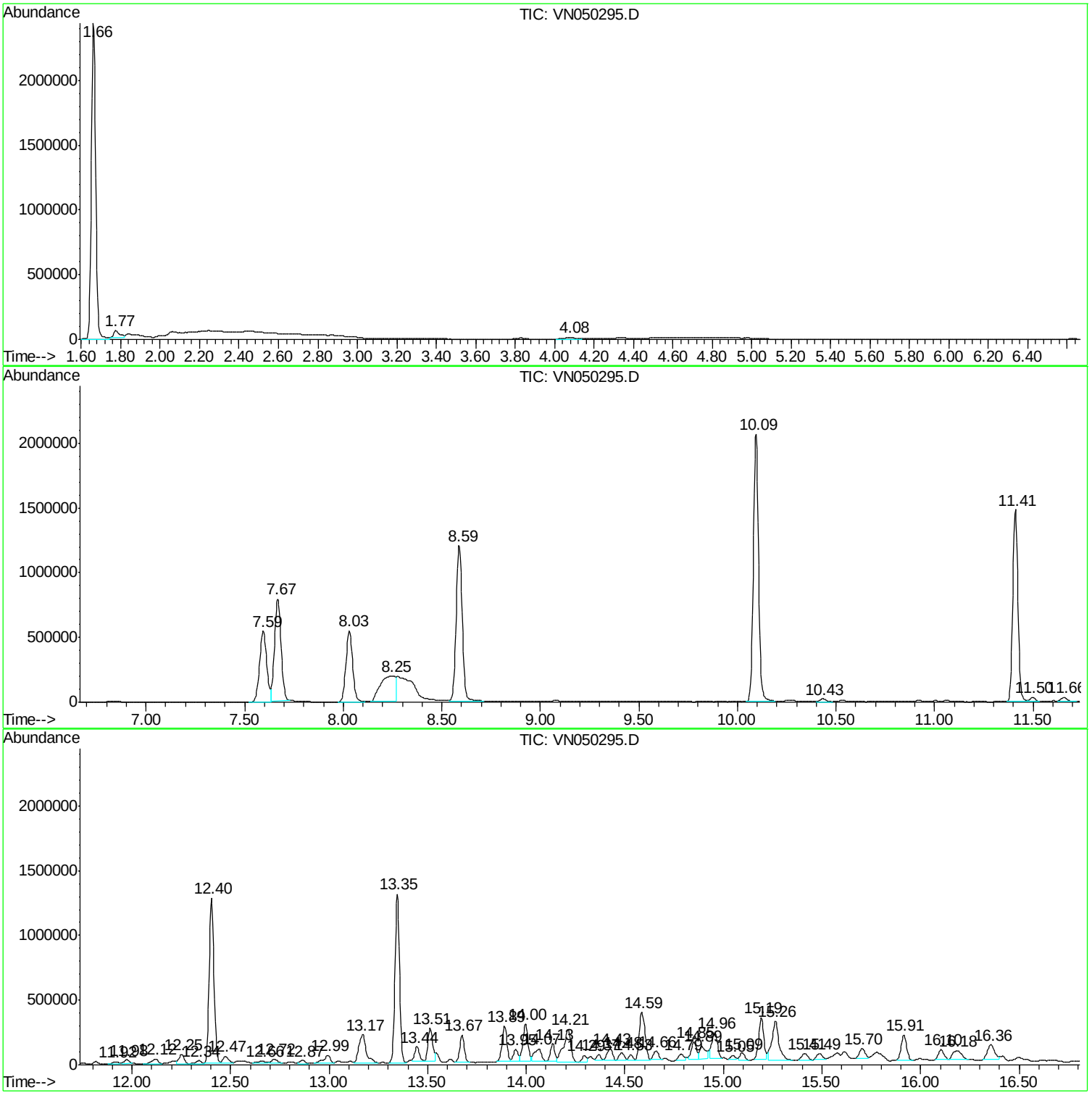
Operator : MD\SY
Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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



Library Search Compound Report

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Data File : VN050295.D
Acq On : 3 Aug 2018 5:02
Operator : MD\SY
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ALS Vial : 43 Sample Multiplier: 1

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ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

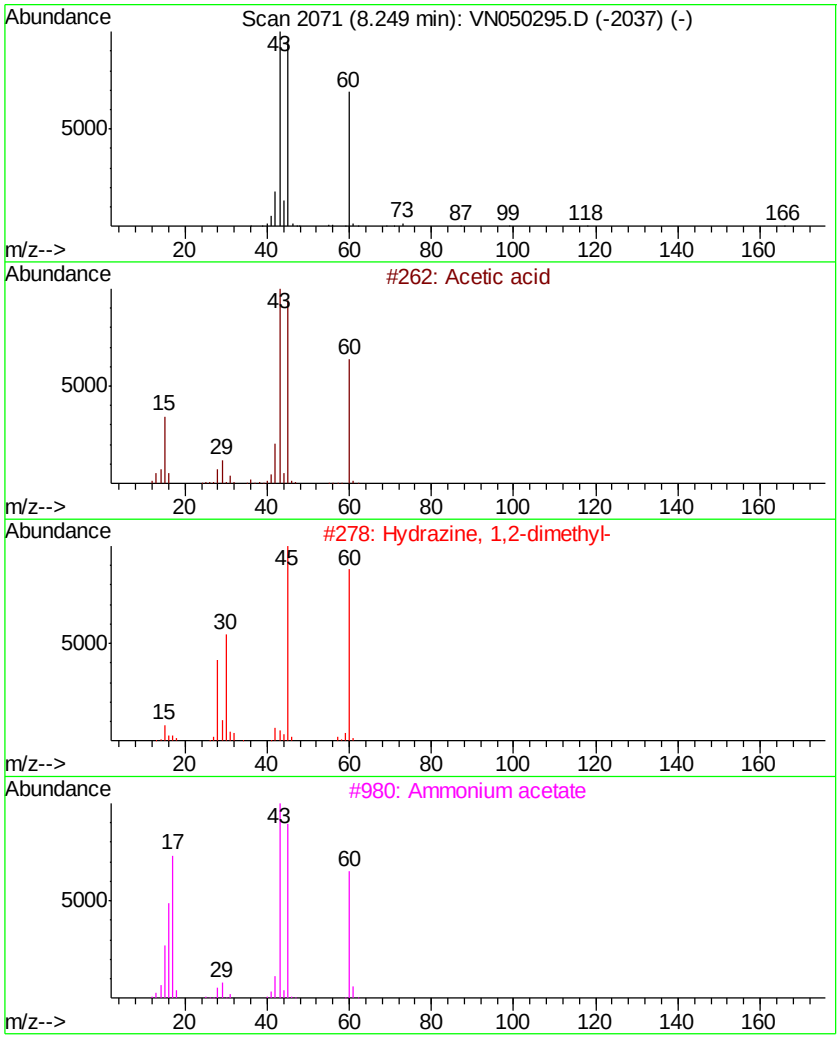
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

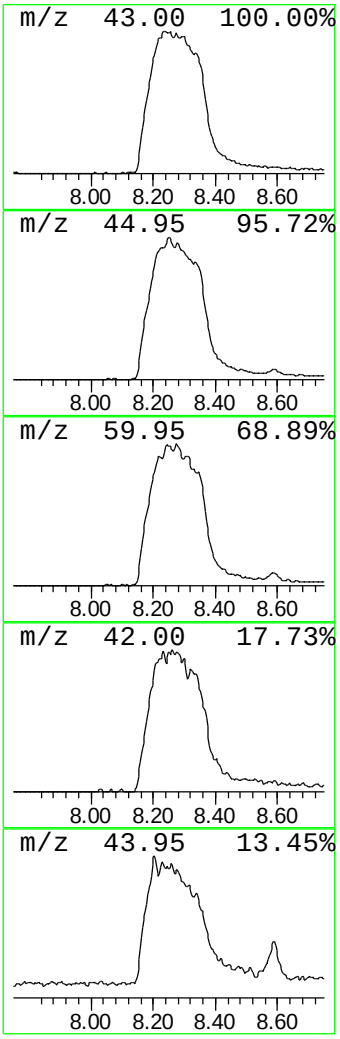
****

Peak Number 2 Acetic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	20.90 ug/l	1057200	1,4-Difluorobenzene	8.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	90
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	64
3	Ammonium acetate	77	C2H7NO2	000631-61-8	43
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	9
5	Formic acid hydrazide	60	CH4N2O	000624-84-0	9





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Data File : VN050295.D
Acq On : 3 Aug 2018 5:02
Operator : MD\SY
Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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

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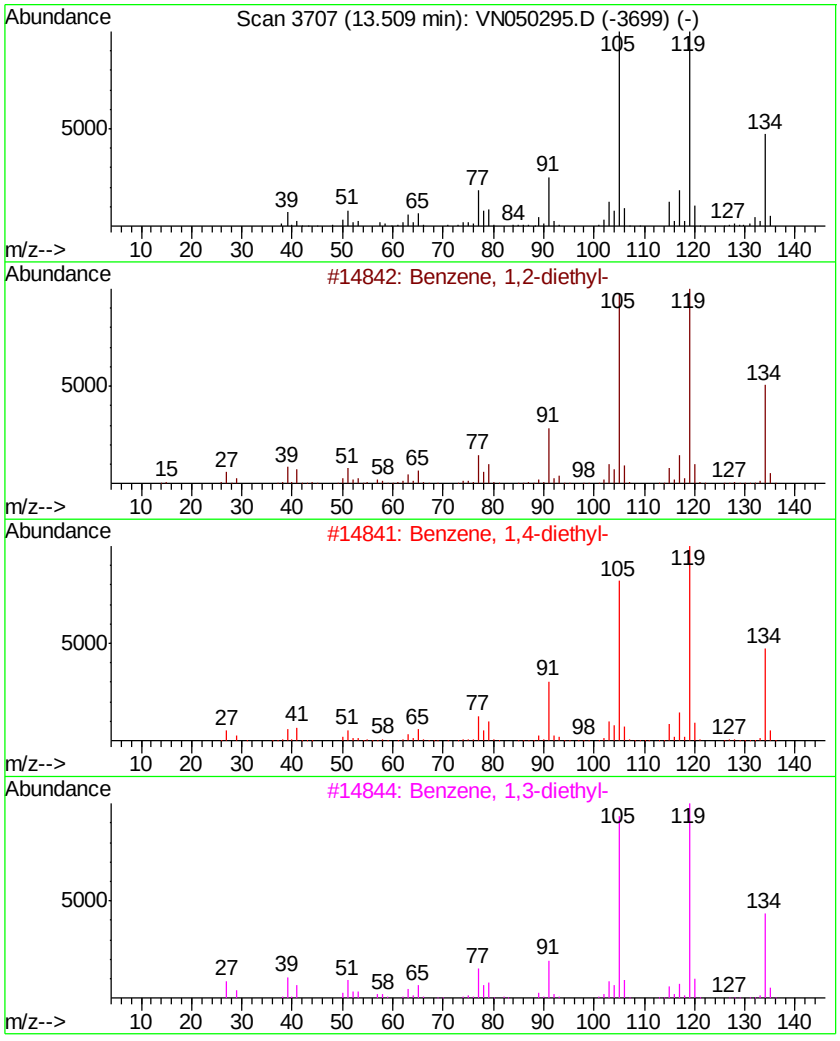
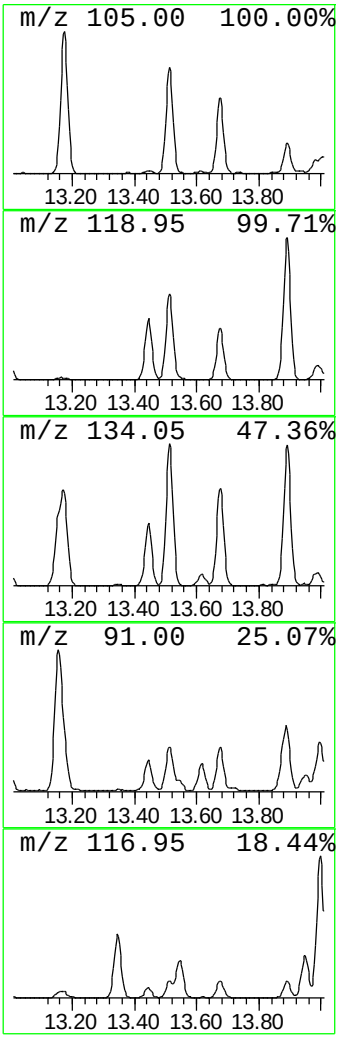
Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	9.64 ug/l	411085	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050295.D
Acq On : 3 Aug 2018 5:02
Operator : MD\SY
Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

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

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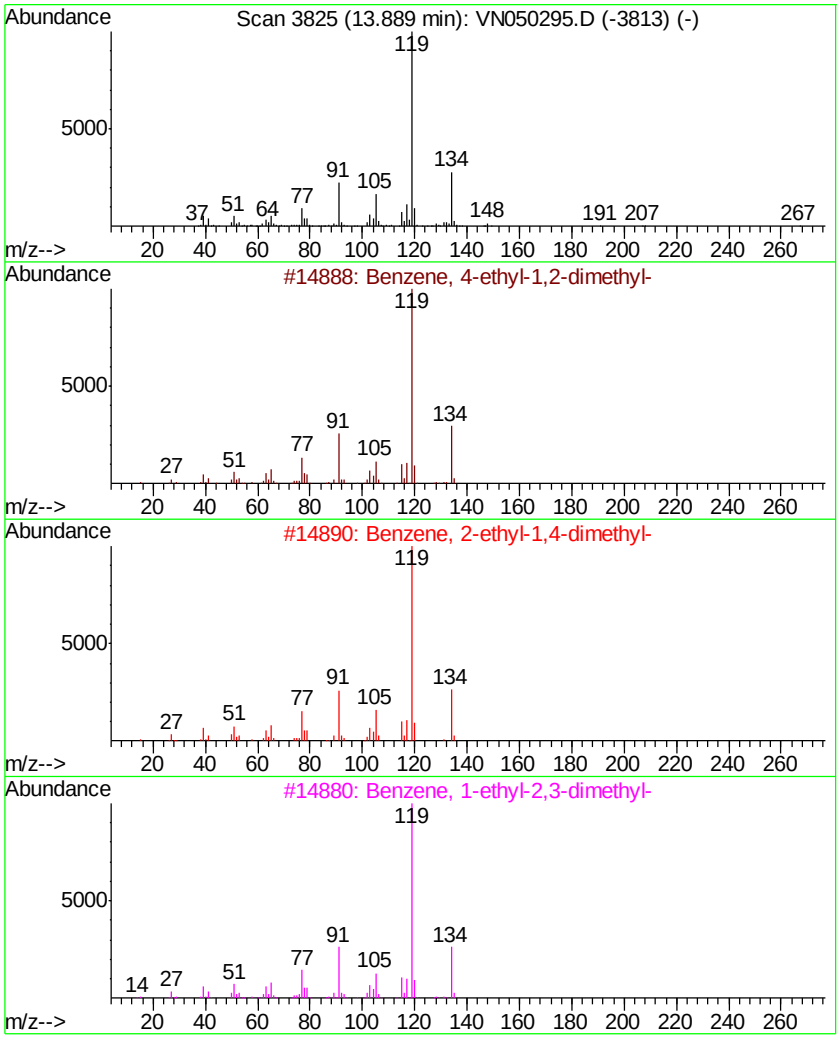
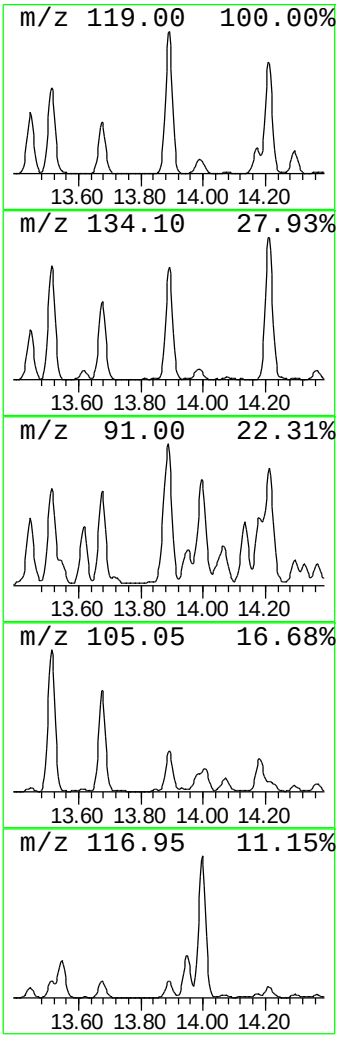
Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	10.72 ug/l	456912	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

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Acq On : 3 Aug 2018 5:02
Operator : MD\SY
Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

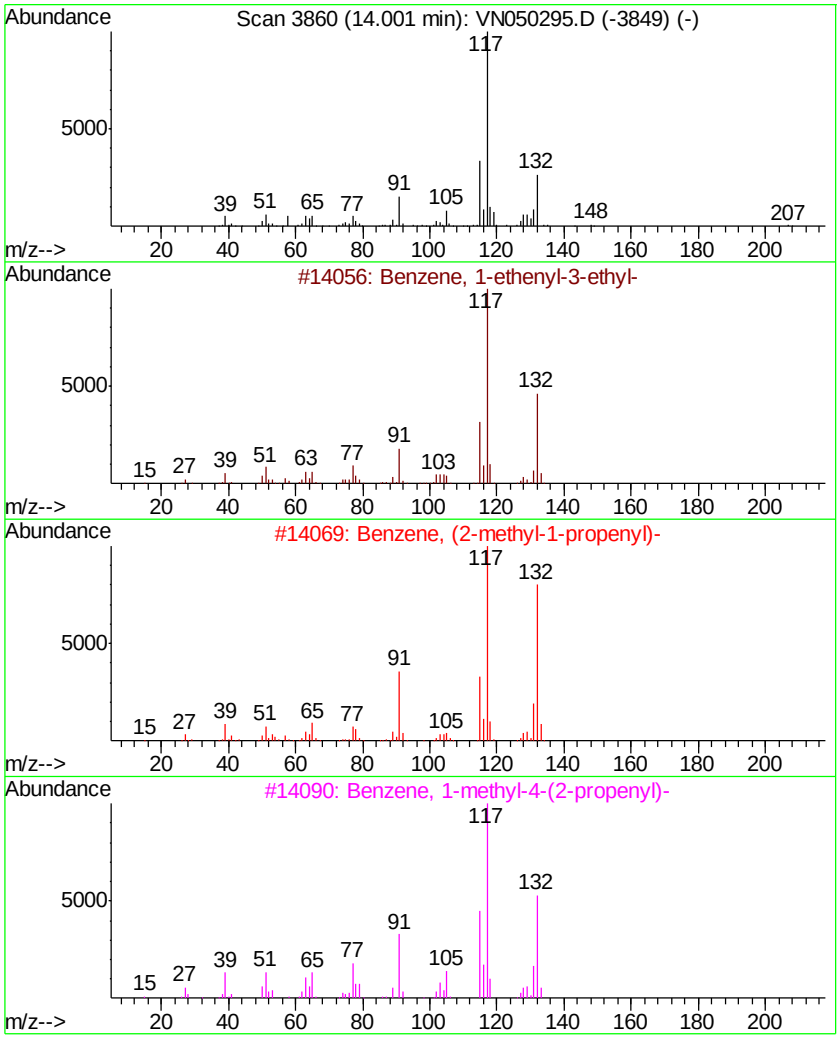
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

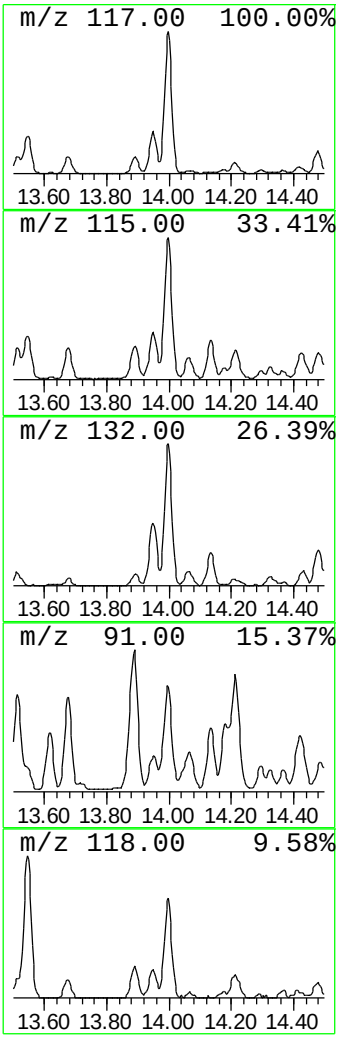
****

Peak Number 5 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	12.42 ug/l	529320	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	86
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
5	Indan, 1-methyl-	132	C10H12	000767-58-8	76





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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

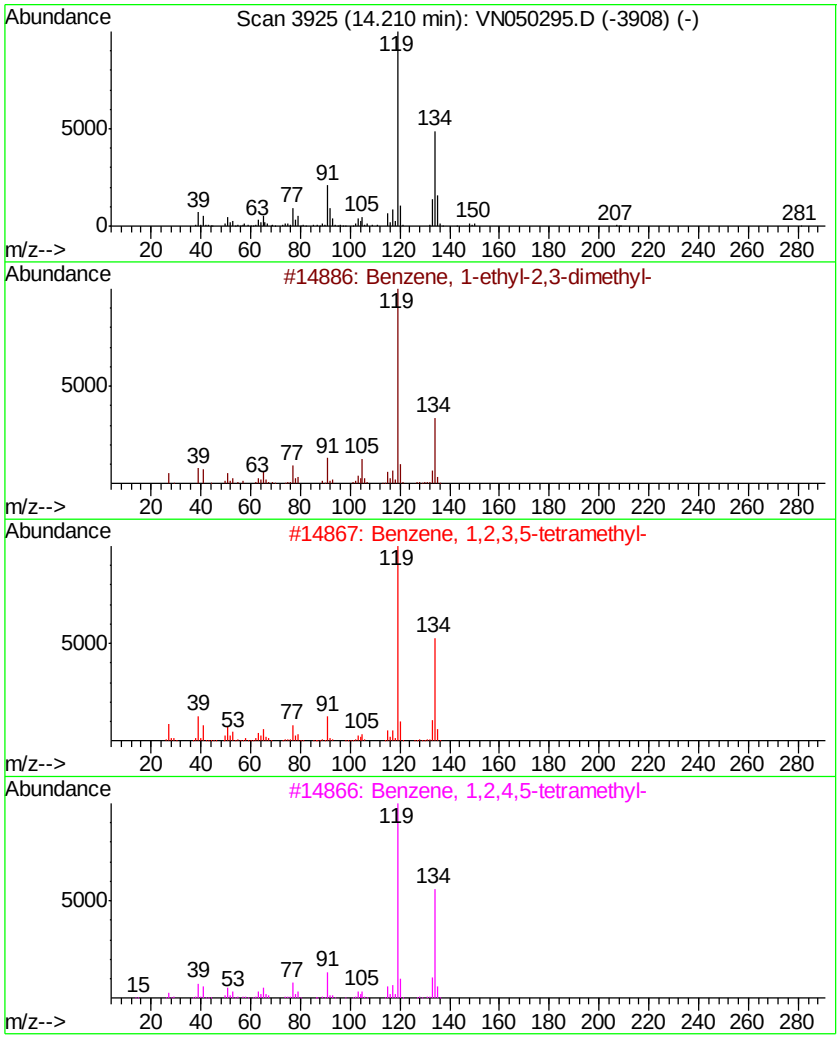
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

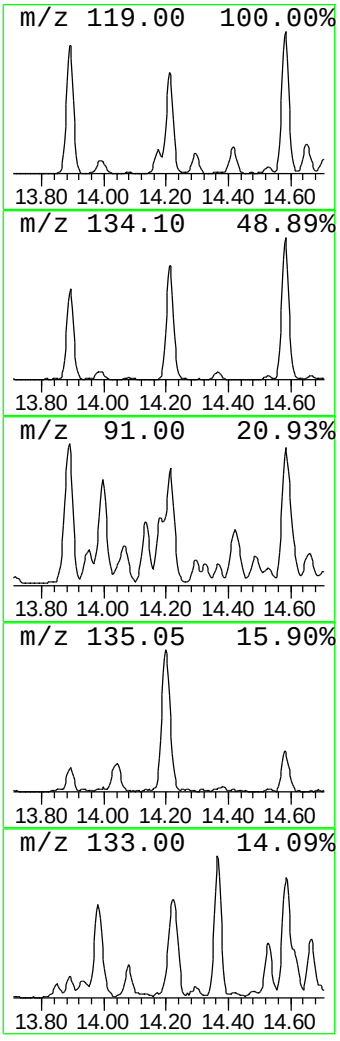
****

Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	15.26 ug/l	650724	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	o-Cymene	134	C10H14	000527-84-4	87





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Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

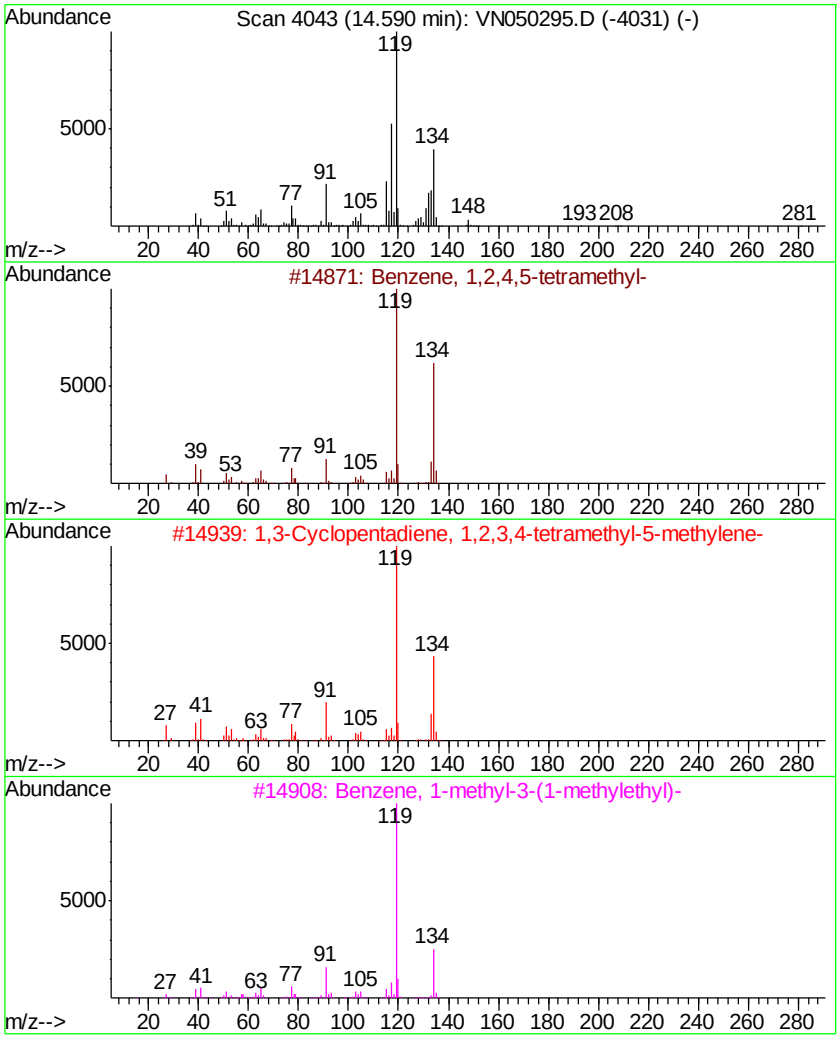
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

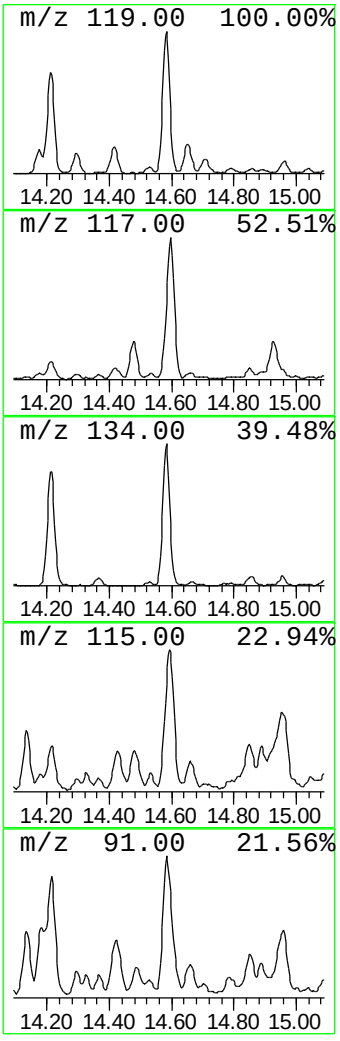
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	17.17 ug/l	731832	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
4	o-Cymene	134	C10H14	000527-84-4	76
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	74





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Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

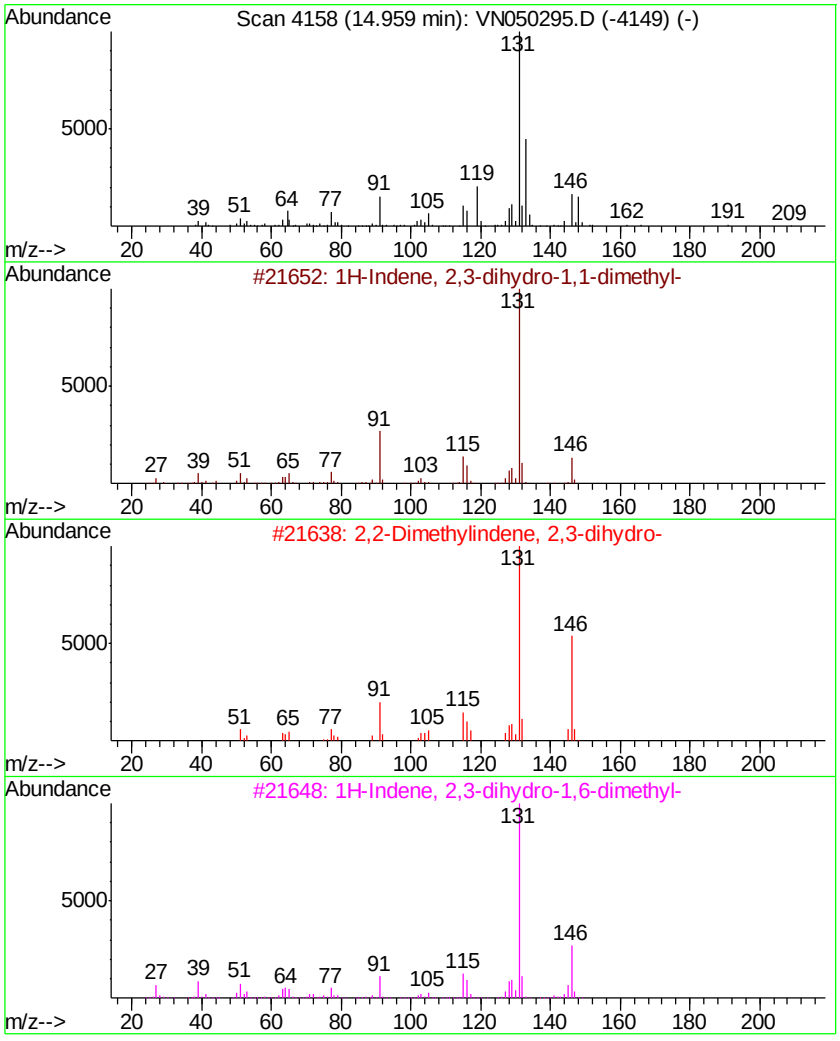
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

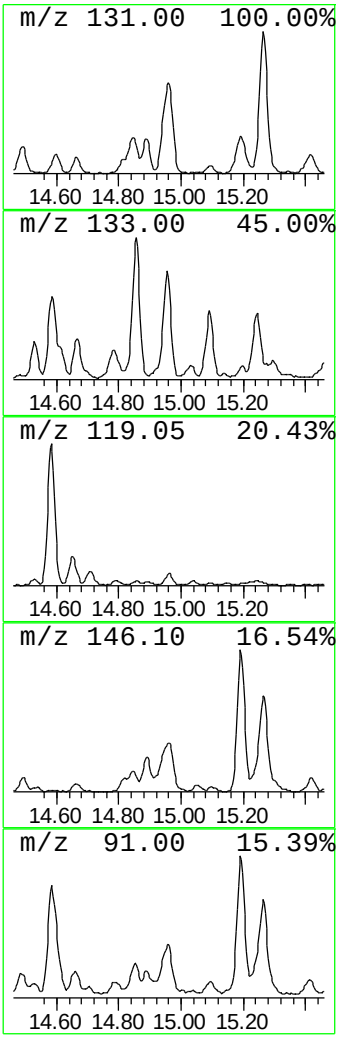
****

Peak Number 8 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	9.32 ug/l	397298	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	58





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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

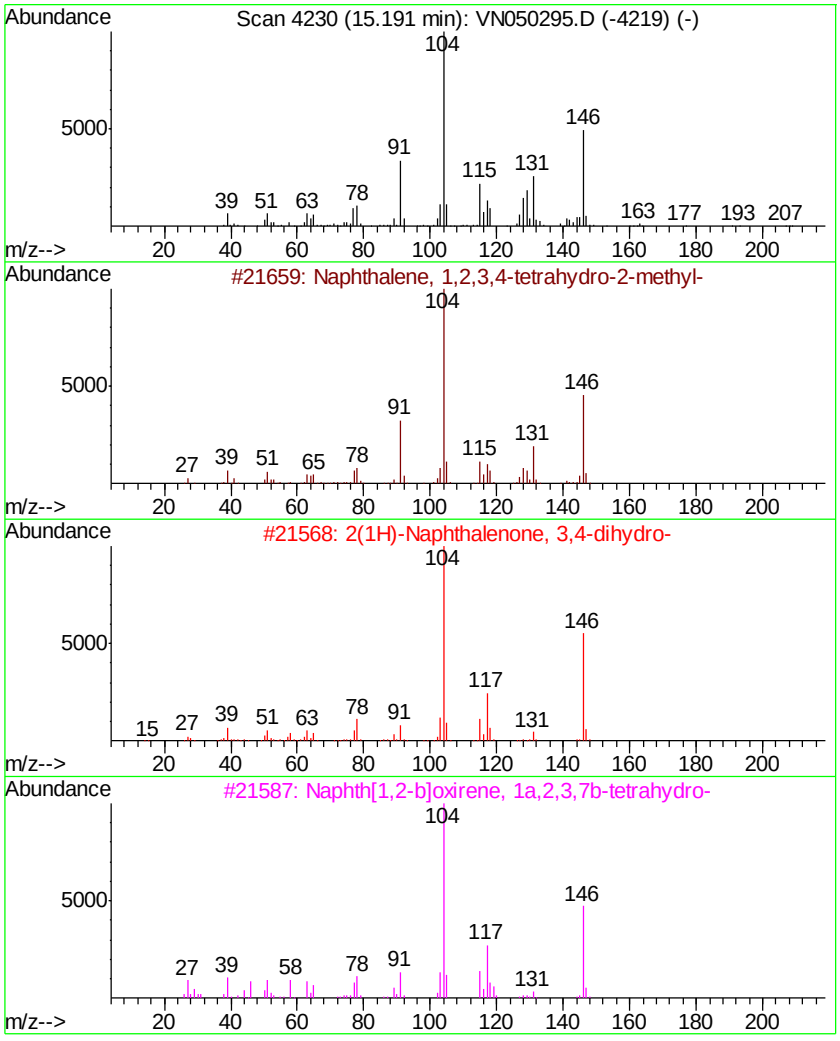
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

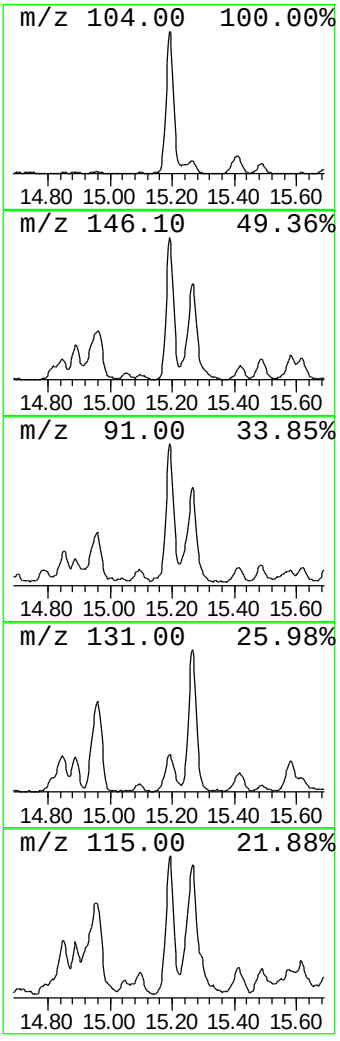
****

Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	13.34 ug/l	568793	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	58
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
4	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	47
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050295.D
Acq On : 3 Aug 2018 5:02
Operator : MD\SY
Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260

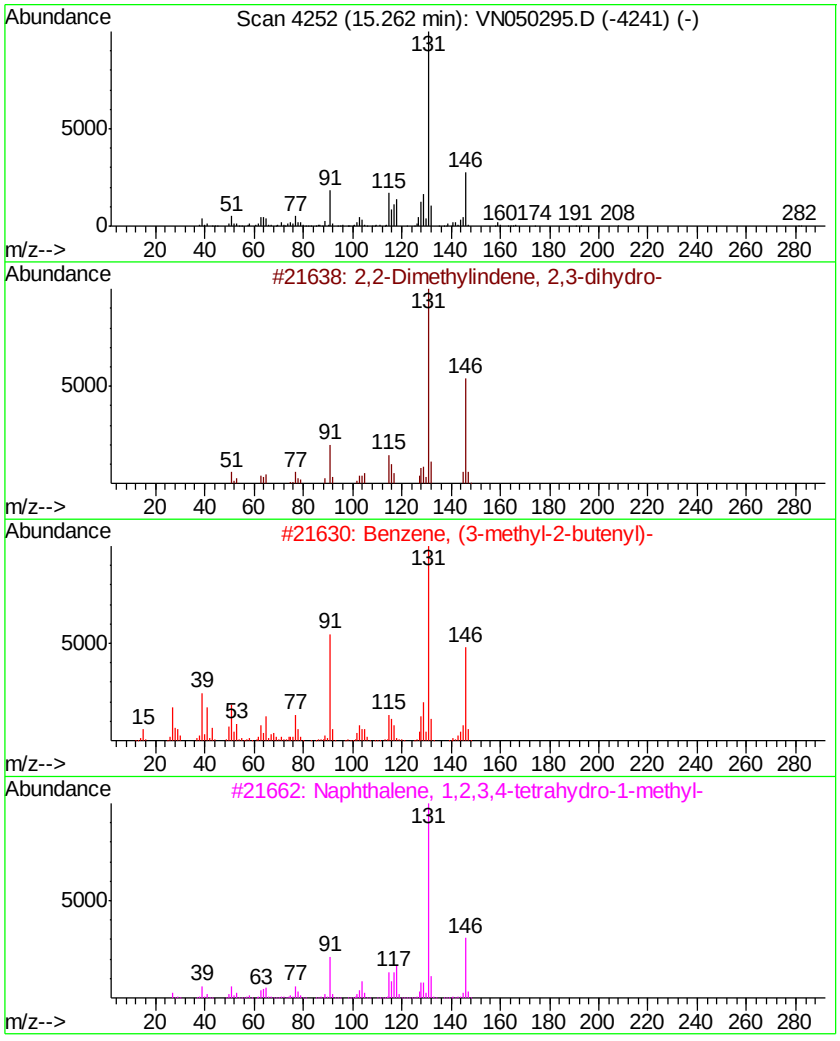
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

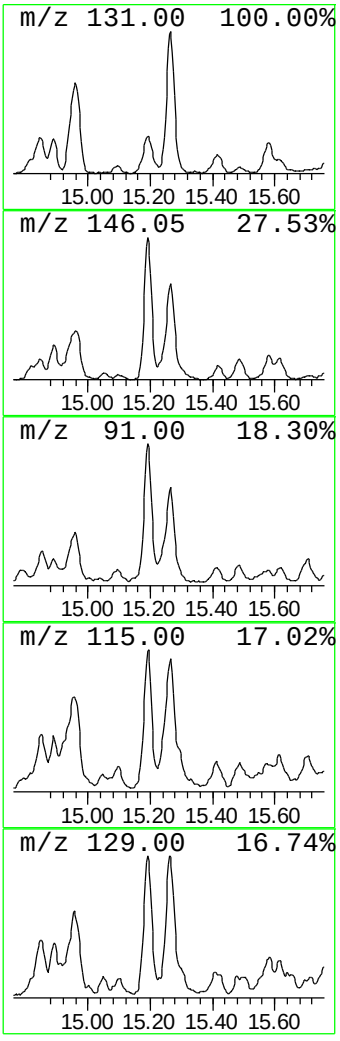
****

Peak Number 10 2,2-Dimethylindene, 2,3-dih... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	17.90 ug/l	763136	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	96
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	95
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050295.D
Acq On : 3 Aug 2018 5:02
Operator : MD\SY
Sample : J4304-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-A16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.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
Acetic acid	8.25	20.9	ug/l	1057200	2	8.59	2528900	50.0
Benzene, 1,2-diet...	13.51	9.6	ug/l	411085	4	13.35	2131720	50.0
Benzene, 4-ethyl-...	13.89	10.7	ug/l	456912	4	13.35	2131720	50.0
Benzene, 1-etheny...	14.00	12.4	ug/l	529320	4	13.35	2131720	50.0
Benzene, 1-ethyl-...	14.21	15.3	ug/l	650724	4	13.35	2131720	50.0
Benzene, 1,2,4,5-...	14.59	17.2	ug/l	731832	4	13.35	2131720	50.0
1H-Indene, 2,3-di...	14.96	9.3	ug/l	397298	4	13.35	2131720	50.0
Naphthalene, 1,2,...	15.19	13.3	ug/l	568793	4	13.35	2131720	50.0
2,2-Dimethylinden...	15.26	17.9	ug/l	763136	4	13.35	2131720	50.0