LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC: VV015817.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.203	28	35	47	rBV2	11495	23958	5.98%	0.459%
2	1.312	61	69	75	rBV	60023	62892	15.70%	1.204%
3	1.357	76	83	85	rBV	9073	11903	2.97%	0.228%
4	1.576	144	151	164	rVB	54088	63119	15.76%	1.209%
5	2.119	311	320	332	rVB	94900	137281	34.28%	2.629%
6	2.299	366	376	393	rVB3	5643	12331	3.08%	0.236%
7	3.904	860	875	904	rBV	51258	152579	38.09%	2.922%
8	4.376	1004	1022	1048	rBV	66488	172600	43.09%	3.305%
9	5.074	1220	1239	1266	rBV4	156734	400528	100.00%	7.670%
10	5.640	1403	1415	1448	rVB	154953	316824	79.10%	6.067%
11	6.093	1541	1556	1579	rBV2	92619	194429	48.54%	3.723%
12	6.598	1699	1713	1724	rVB8	2949	6570	1.64%	0.126%
13	7.010	1829	1841	1859	rBV	39669	73485	18.35%	1.407%
14	7.164	1874	1889	1899	rBV4	5080	10520	2.63%	0.201%
15	7.338	1930	1943	1960	rBV	189352	332598	83.04%	6.369%
16	7.646	2029	2039	2053	rBV3	22787	41627	10.39%	0.797%
17	8.109	2173	2183	2218	rBV	199668	381124	95.16%	7.298%
18	8.280	2228	2236	2245	rVB5	2162	4069	1.02%	0.078%
19	8.874	2409	2421	2438	rBV	240932	395417	98.72%	7.572%
20	9.167	2501	2512	2520	rVB6	4453	7451	1.86%	0.143%
21	9.257	2527	2540	2547	rBV6	1996	4110	1.03%	0.079%
22	9.955	2746	2757	2767	rVB2	10179	15697	3.92%	0.301%
23	10.238	2834	2845	2857	rBV	61751	97694	24.39%	1.871%
24	10.382	2881	2890	2893	rBV4	4135	5860	1.46%	0.112%
25	10.498	2913	2926	2937	rVB	6842	11695	2.92%	0.224%
26	10.765	2998	3009	3014	rBV6	2699	4183	1.04%	0.080%
27	10.939	3049	3063	3076	rBV	23533	37952	9.48%	0.727%
28	11.016	3078	3087	3097	rVV5	3164	5049	1.26%	0.097%
29	11.270	3154	3166	3181	rBV	248170	390353	97.46%	7.475%
30	11.424	3207	3214	3223	rVB3	7382	10363	2.59%	0.198%
31	11.550	3241	3253	3266	rBV	147614	240461	60.04%	4.605%
32	11.646	3273	3283	3301	rVB	192460	309733	77.33%	5.931%
33	11.771	3313	3322	3330	rBV4	13152	21085	5.26%	0.404%
34	11.842	3340	3344	3355	rVB3	5257	7440	1.86%	0.142%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

35	11.932	3359	3372	3378	rBV3	6925	11310	2.82%	0.217%
36	11.964	3379	3382	3391	rVB3	5268	5608	1.40%	0.107%
37	12.038	3395	3405	3411	rBV	11315	18031	4.50%	0.345%
38	12.074	3411	3416	3427	rVB8	5891	10037	2.51%	0.192%
39	12.138	3427	3436	3445	rBV	50034	75275	18.79%	1.441%
40	12.334	3490	3497	3503	rBV7	2822	4113	1.03%	0.079%
41	12.382	3503	3512	3522	rVB2	36265	56071	14.00%	1.074%
42	12.488	3534	3545	3551	rBV3	81480	171785	42.89%	3.289%
43	12.530	3551	3558	3566	rVB	168114	240212	59.97%	4.600%
44	12.749	3616	3626	3638	rVB	33380	53946	13.47%	1.033%
45	12.903	3654	3674	3686	rBV7	10633	24325	6.07%	0.466%
46	12.971	3686	3695	3711	rVB2	21082	34326	8.57%	0.657%
47	13.080	3718	3729	3744	rVB3	42582	68171	17.02%	1.305%
48	13.244	3773	3780	3788	rBV8	8442	12394	3.09%	0.237%
49	13.292	3788	3795	3811	rVB5	13677	25410	6.34%	0.487%
50	13.459	3840	3847	3854	rVB3	7594	10974	2.74%	0.210%
51	13.521	3855	3866	3871	rBV5	19243	36491	9.11%	0.699%
52	13.566	3871	3880	3891	rVB2	54409	110479	27.58%	2.116%
53	13.688	3908	3918	3928	rBV	105438	167711	41.87%	3.211%
54	13.730	3928	3931	3941	rVB5	10496	14934	3.73%	0.286%
55	13.791	3941	3950	3958	rVB	23107	33634	8.40%	0.644%
56	13.842	3958	3966	3972	rBV7	5262	7875	1.97%	0.151%
57	13.942	3986	3997	4004	rBV7	4825	9906	2.47%	0.190%
58	14.006	4014	4017	4027	rVB7	6813	8961	2.24%	0.172%
59	14.254	4079	4094	4097	rBV10	4982	10023	2.50%	0.192%
60	14.273	4097	4100	4107	rVB6	3765	4705	1.17%	0.090%
61	14.594	4192	4200	4207	rBV8	2768	4295	1.07%	0.082%
62	14.842	4267	4277	4289	rVB	17491	28306	7.07%	0.542%

Sum of corrected areas: 5222288

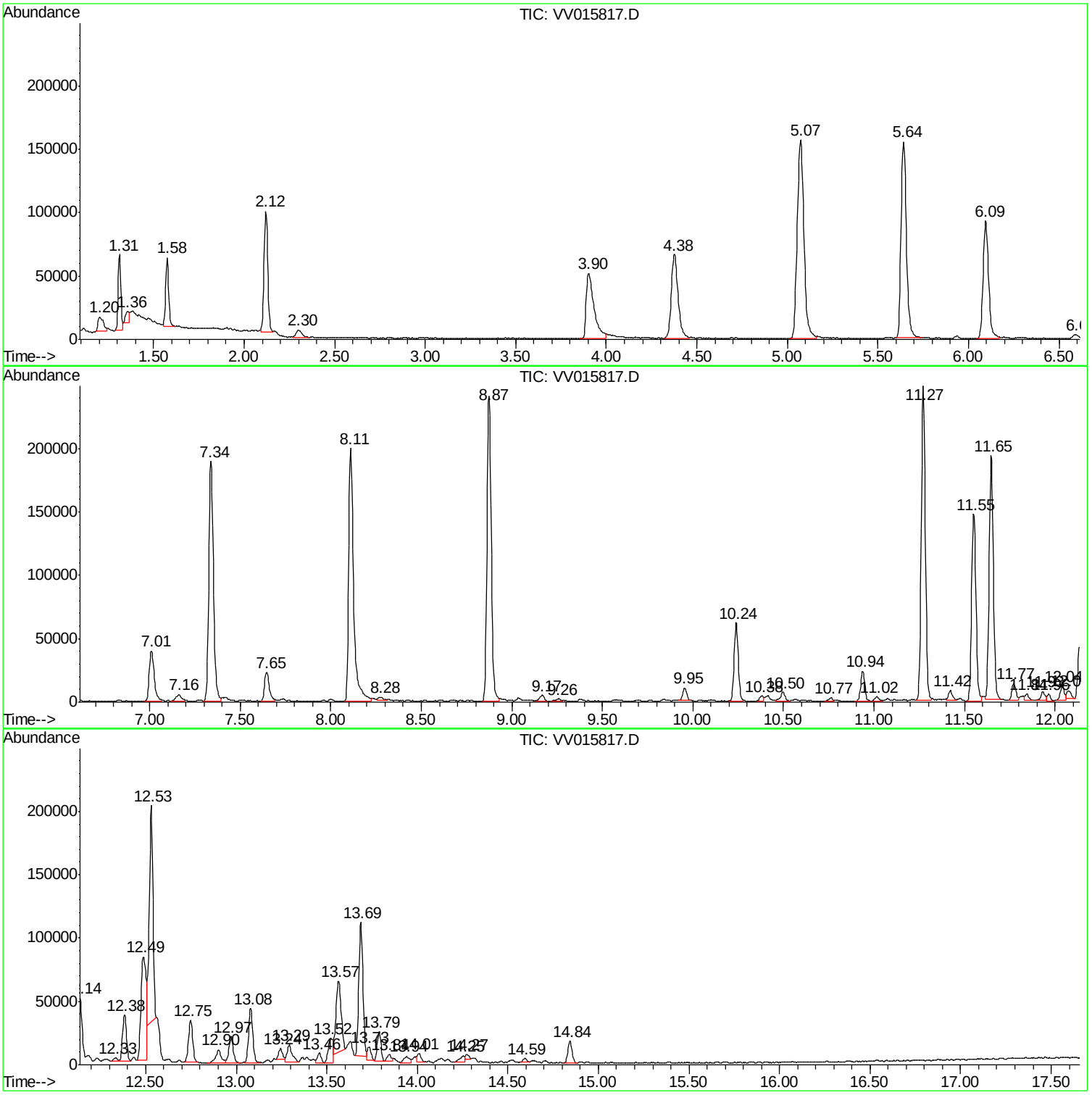
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

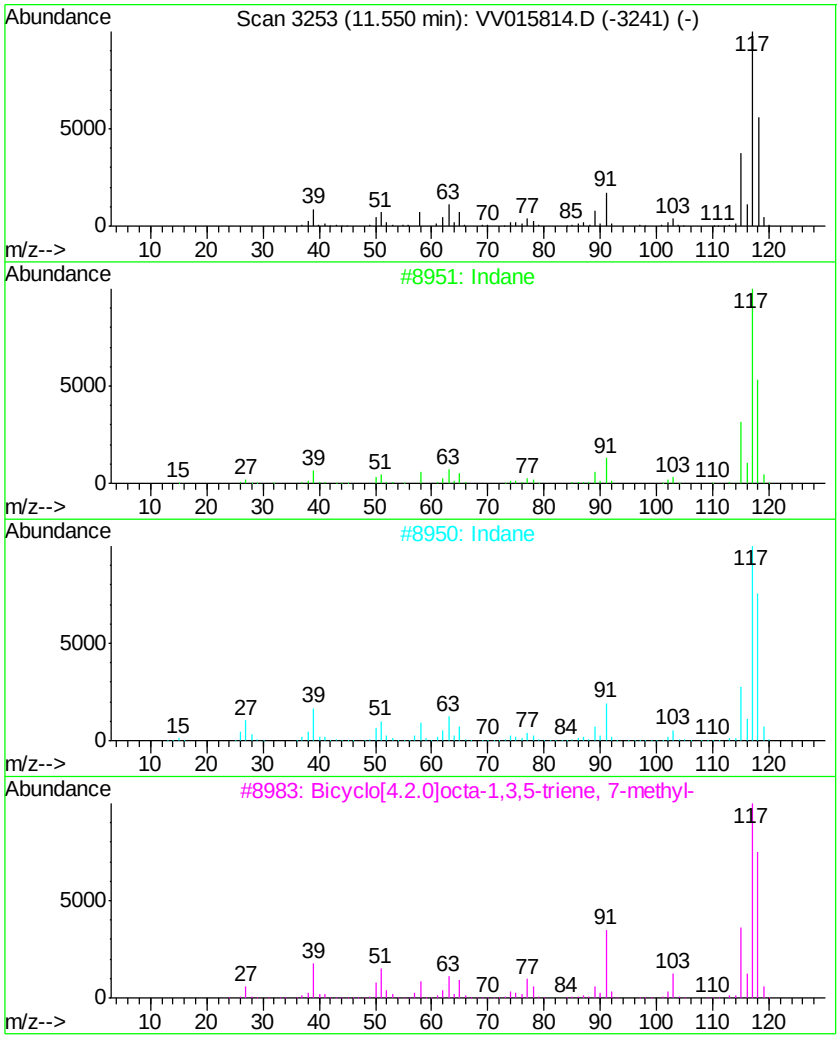
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

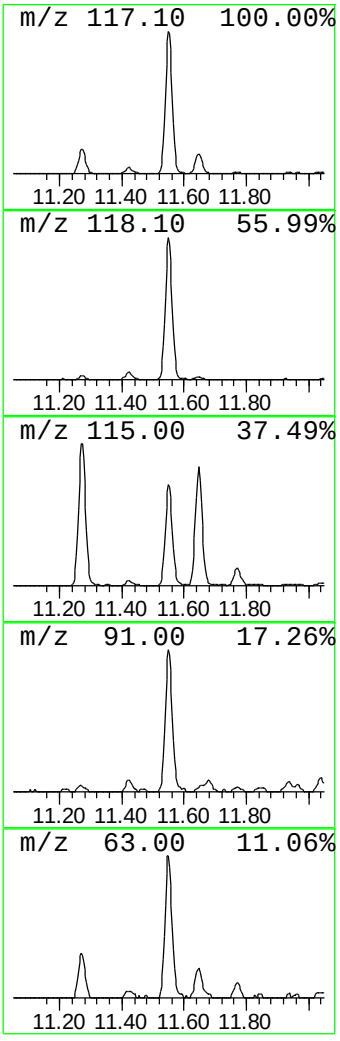
****

Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	3.08 ug/L	240461	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	90
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	74
4	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	72
5	Deltacyclene	118	C9H10	007785-10-6	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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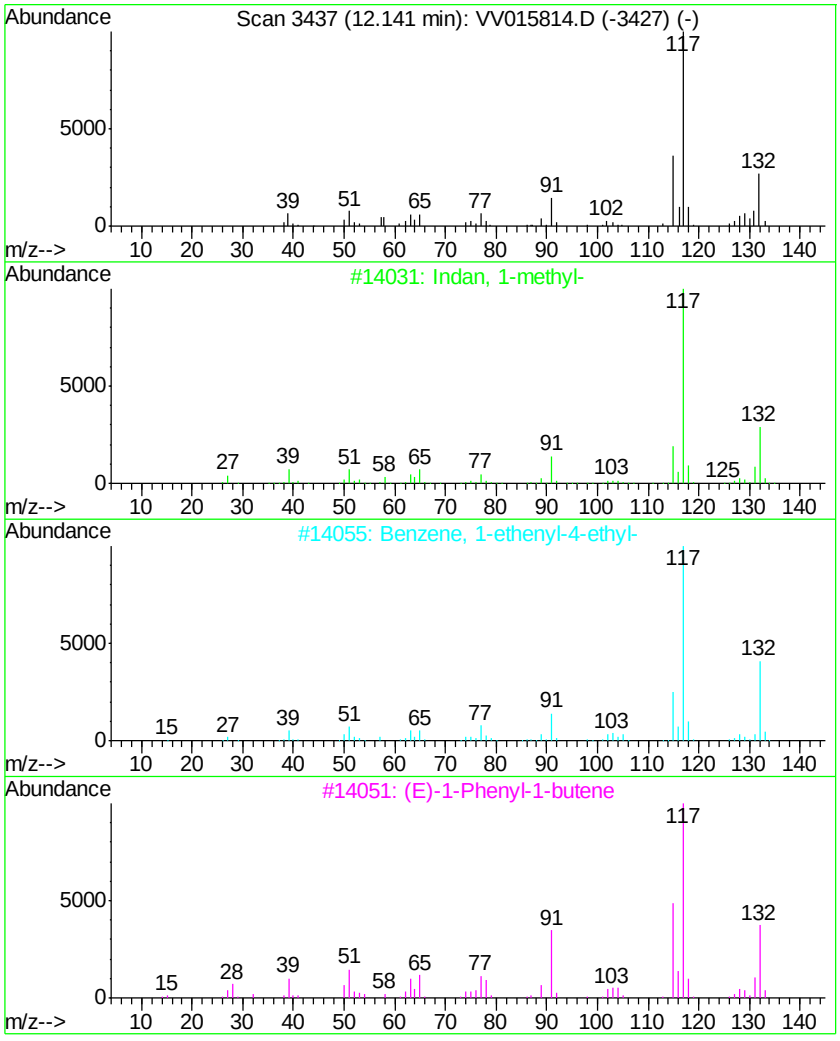
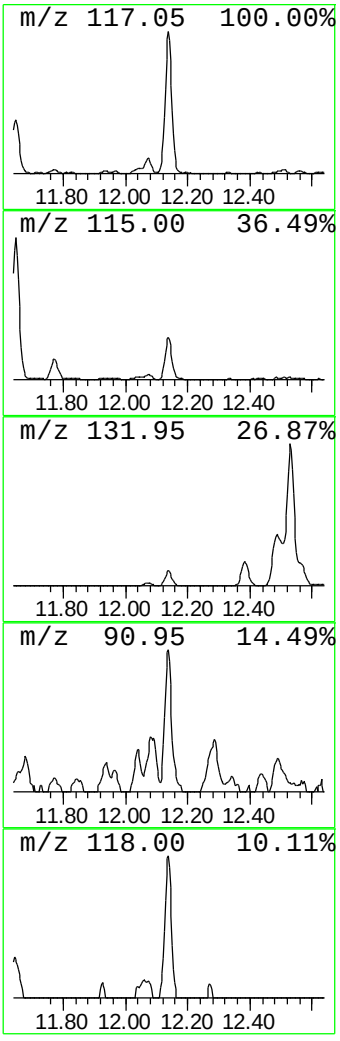
Peak Number 3 Indan, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	0.96 ug/L	75275	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

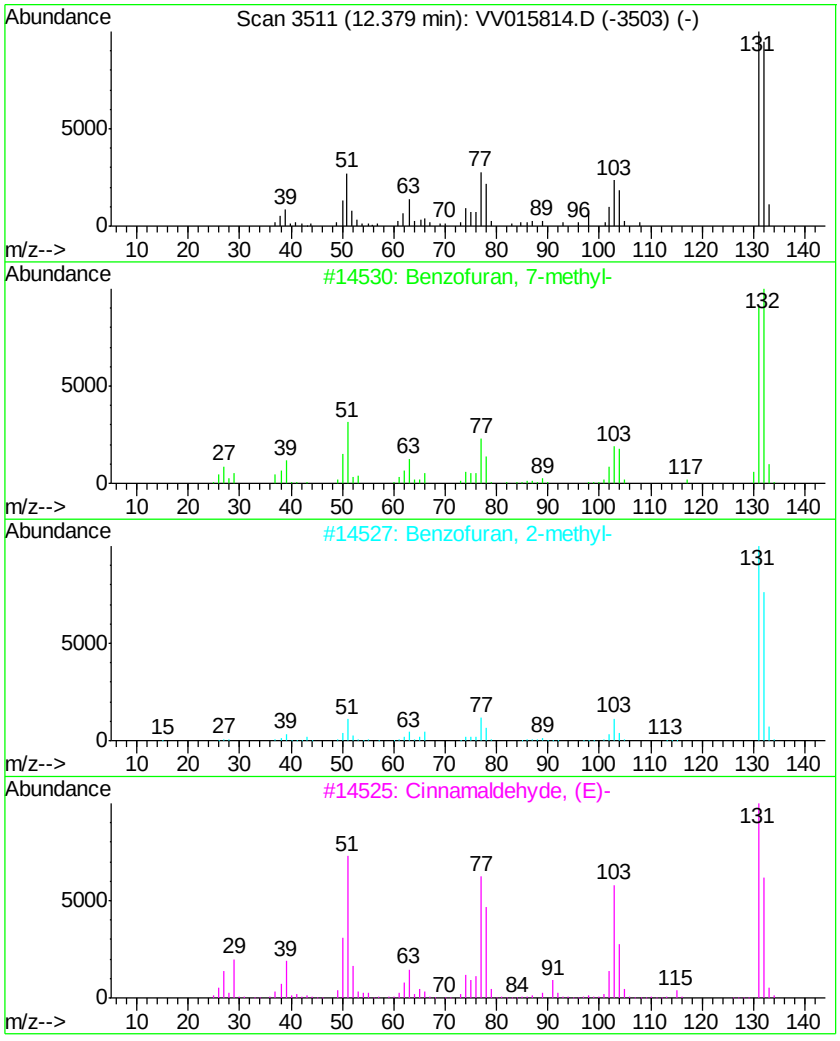
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

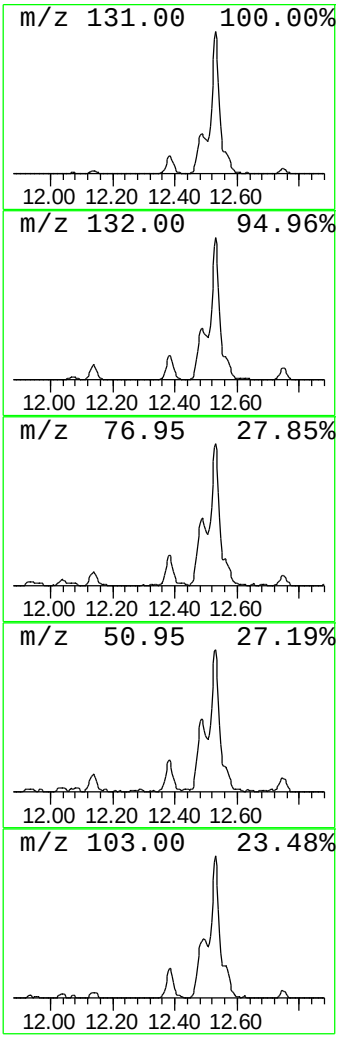
****

Peak Number 4 Benzofuran, 7-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	0.72 ug/L	56071	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	95
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

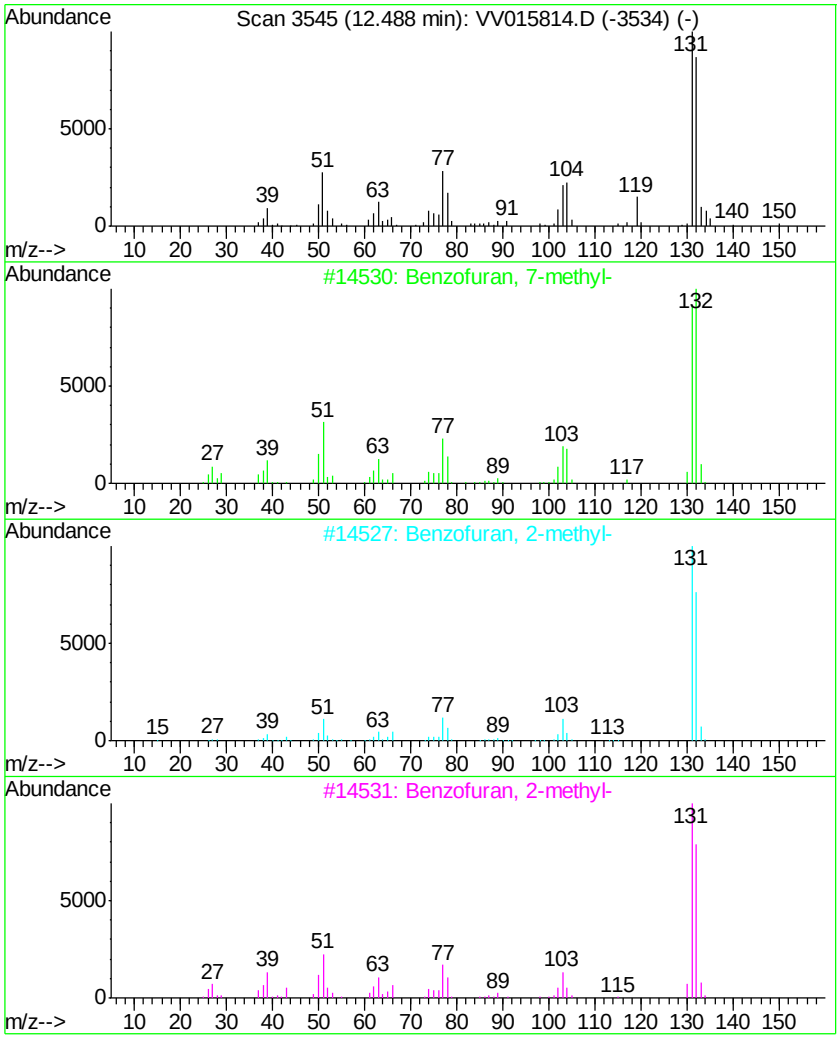
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

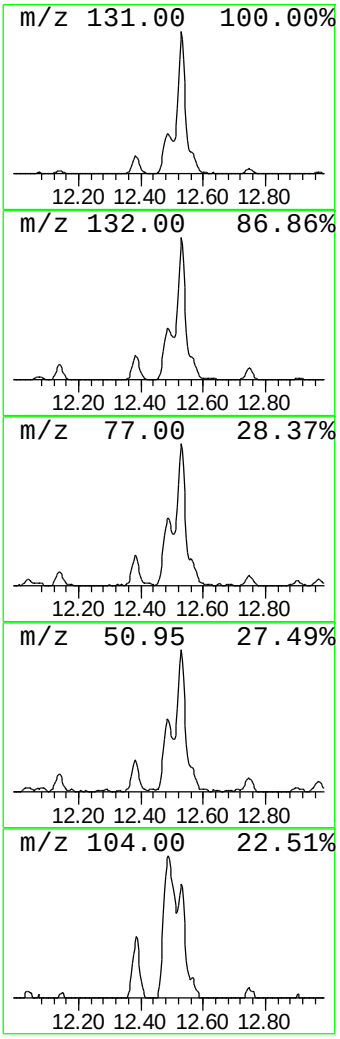
****

Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.20 ug/L	171785	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	93
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	87
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

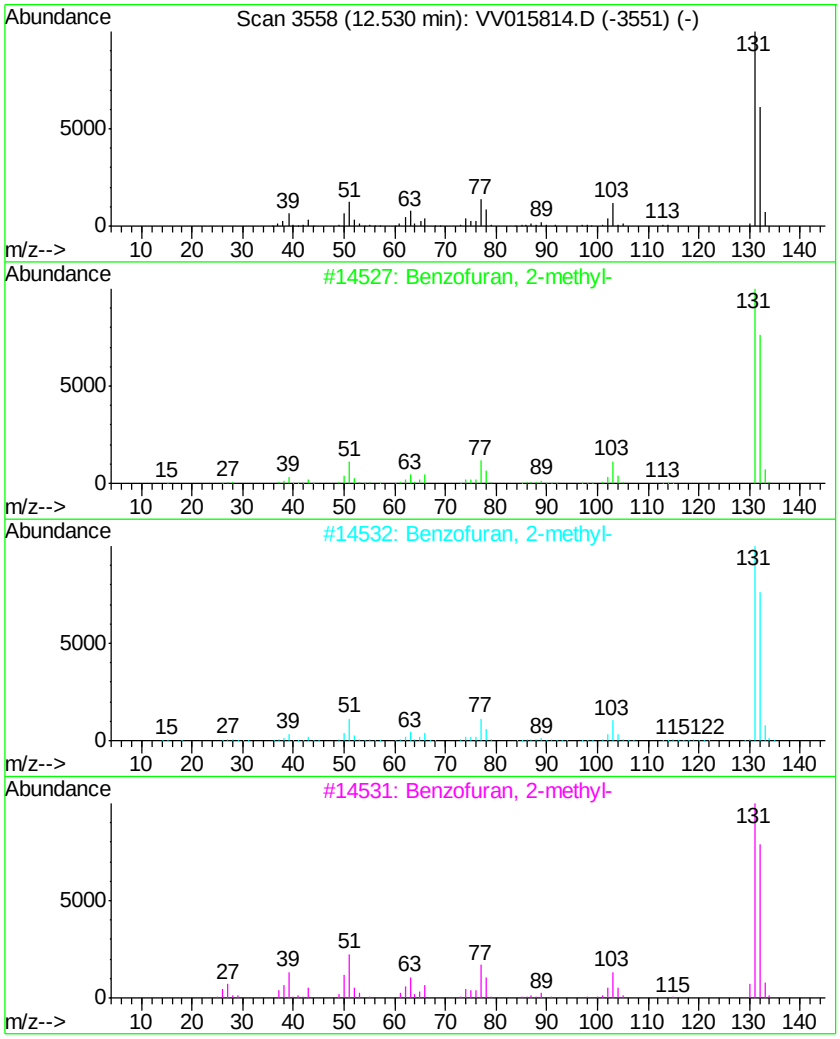
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

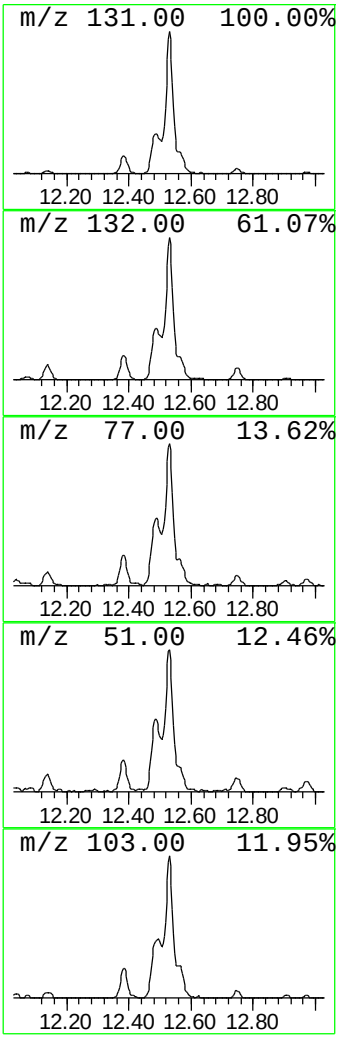
****

Peak Number 6 5-Methylbenzimidazole Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.08 ug/L	240212	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	89
4	5-Methylbenzimidazole	132	C8H8N2	000614-97-1	86
5	1H-Pyrrolo[2,3-b]pyridine, 2-met...	132	C8H8N2	023612-48-8	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

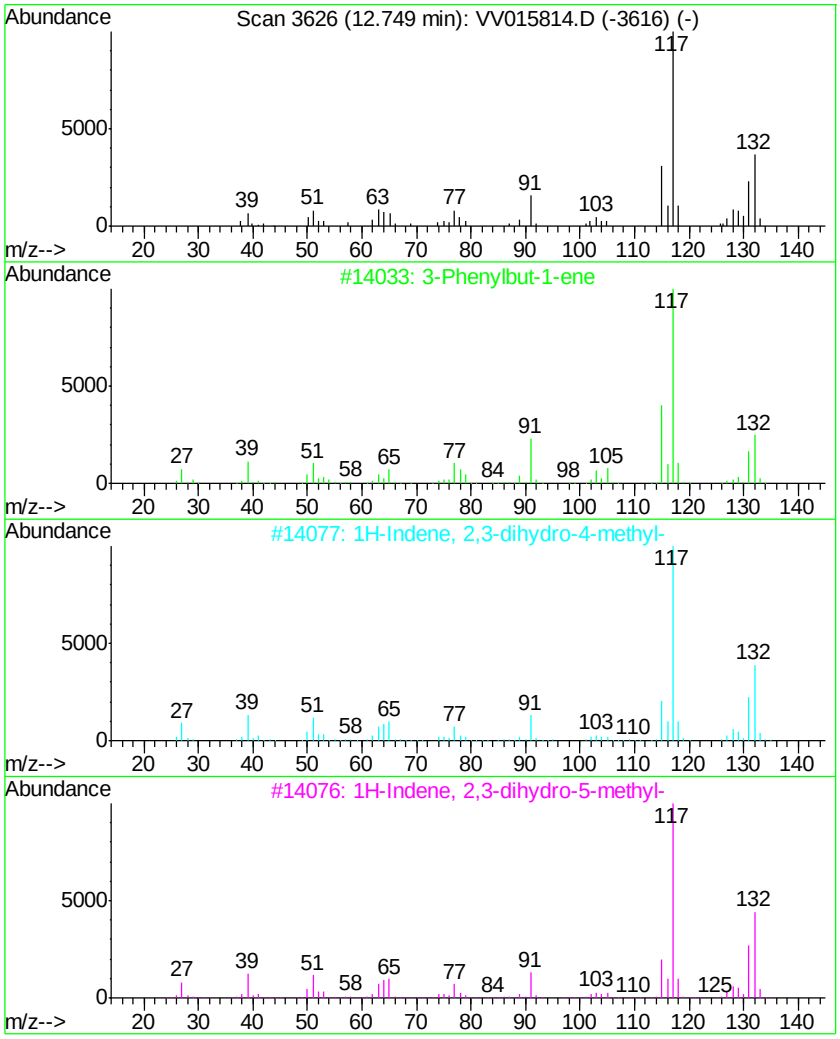
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

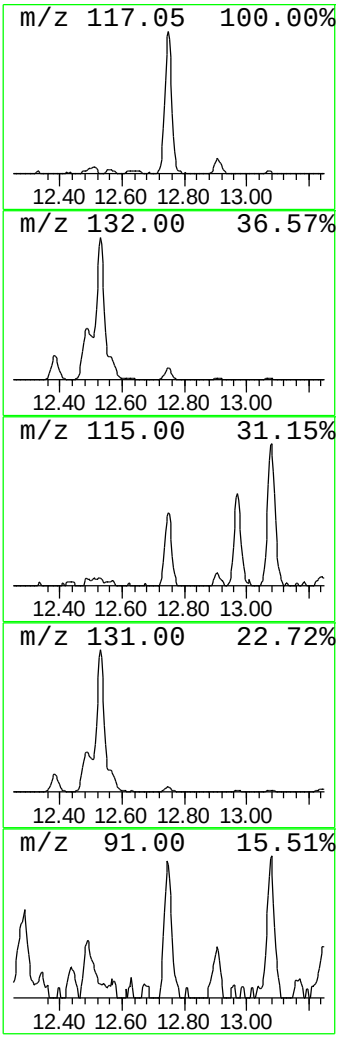
****

Peak Number 7 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	0.69 ug/L	53946	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

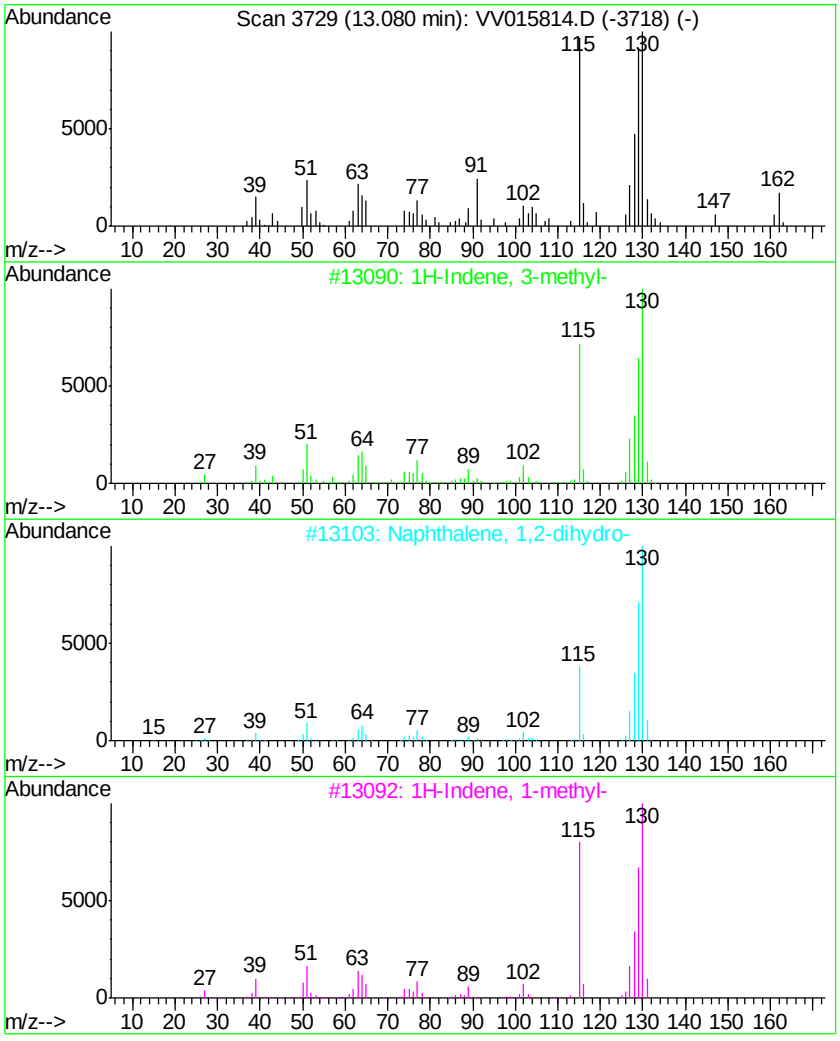
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

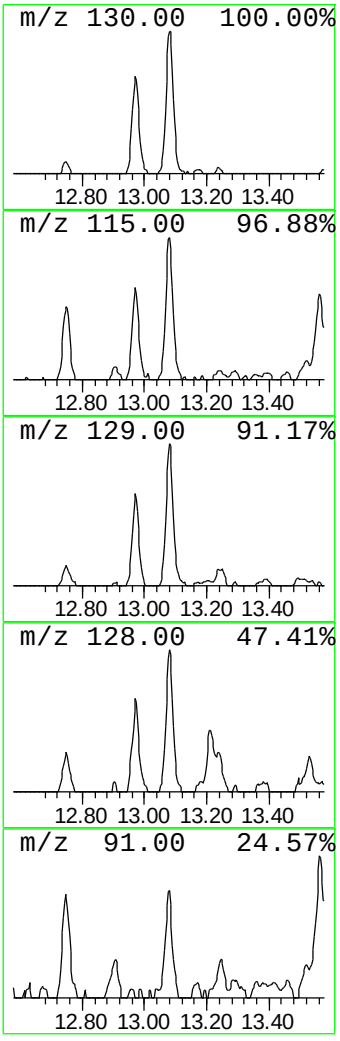
****

Peak Number 8 1H-Indene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	0.87 ug/L	68171	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	96
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5	2-Methylindene	130	C10H10	002177-47-1	94





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Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

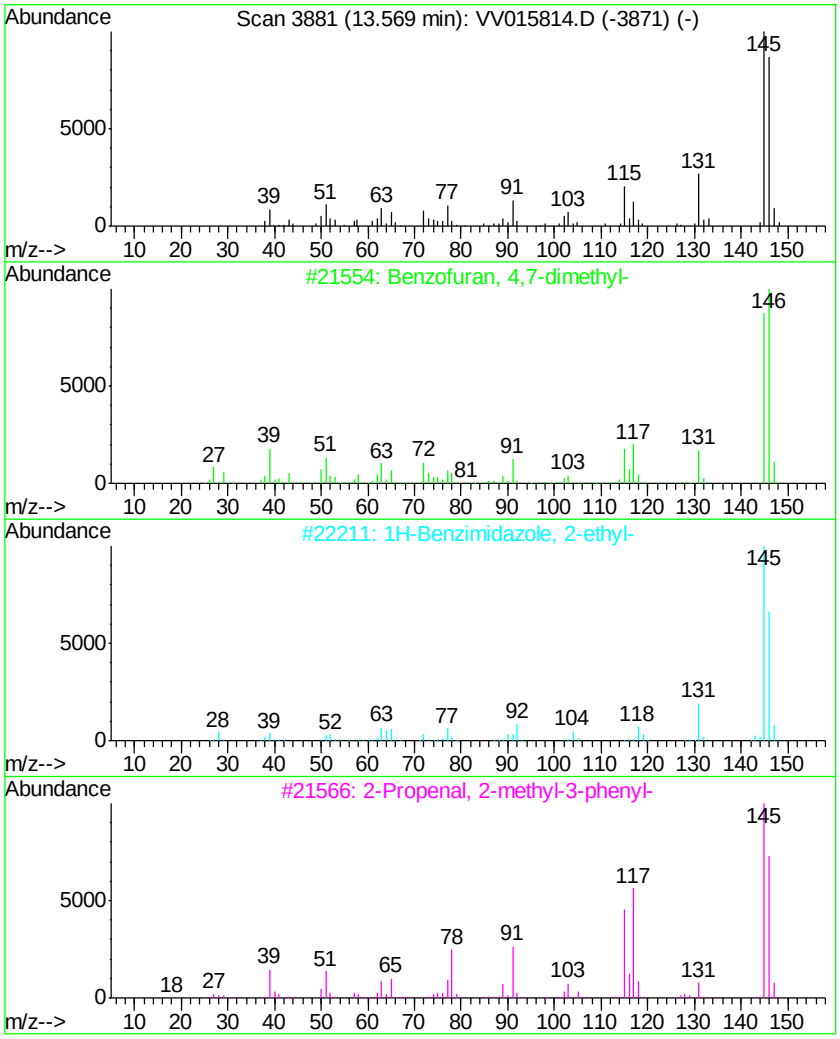
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

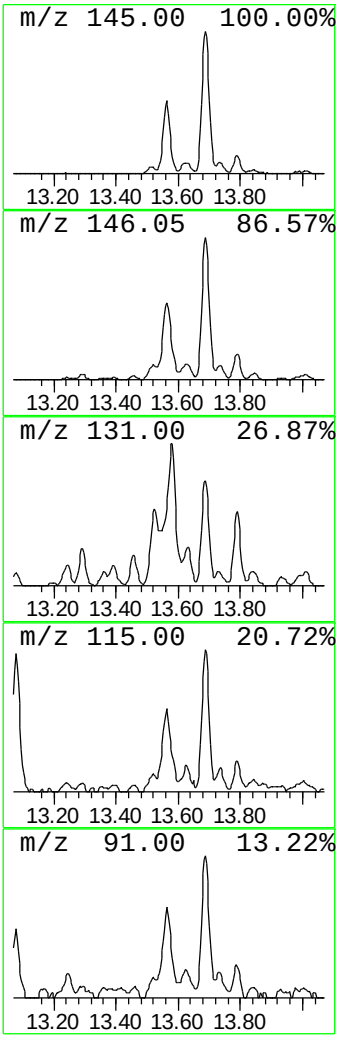
****

Peak Number 9 Benzofuran, 4,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	1.42 ug/L	110479	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	86
2	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
3	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	64
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
5	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

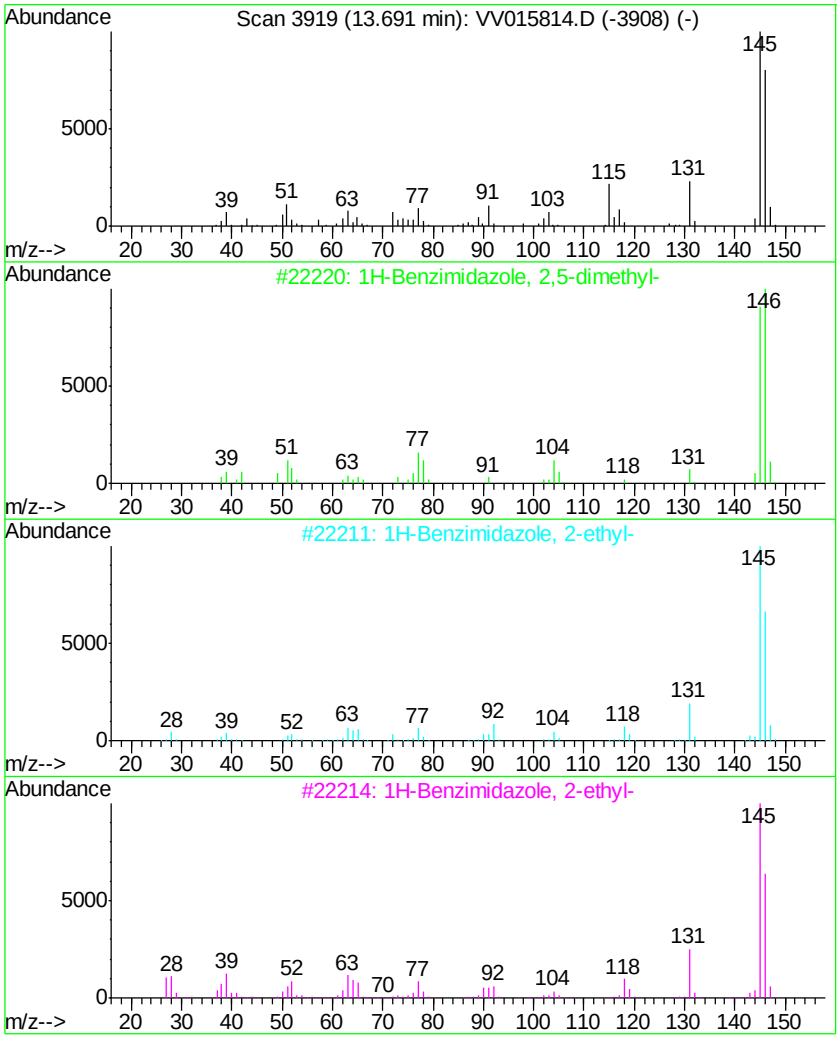
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

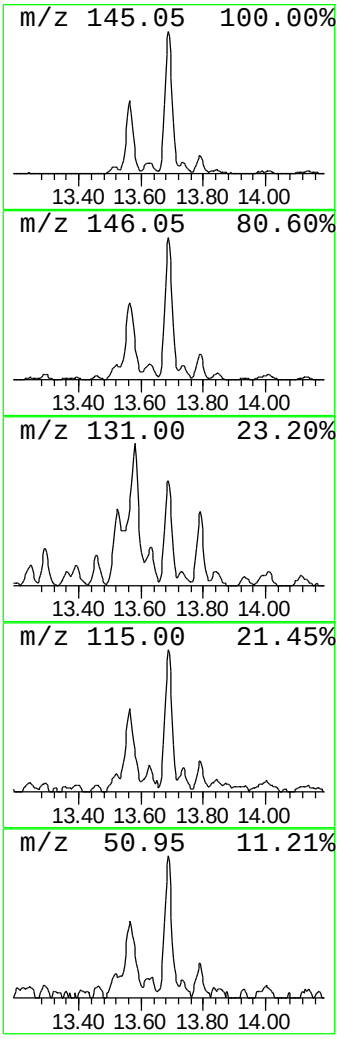
****

Peak Number 10 1H-Benzimidazole, 2,5-dimet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	2.15 ug/L	167711	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	64
2	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
3	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	59
5	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015814.D
Acq On : 30 Apr 2020 01:41
Operator : SY/MD
Sample : L2431-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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	11.55	3.1	ug/L	240461	3	11.27	390353	5.0
Indan, 1-methyl-	12.14	1.0	ug/L	75275	3	11.27	390353	5.0
Benzofuran, 7-met...	12.38	0.7	ug/L	56071	3	11.27	390353	5.0
Benzofuran, 2-met...	12.49	2.2	ug/L	171785	3	11.27	390353	5.0
5-Methylbenzimida...	12.53	3.1	ug/L	240212	3	11.27	390353	5.0
3-Phenylbut-1-ene	12.75	0.7	ug/L	53946	3	11.27	390353	5.0
1H-Indene, 3-methyl-	13.08	0.9	ug/L	68171	3	11.27	390353	5.0
Benzofuran, 4,7-d...	13.57	1.4	ug/L	110479	3	11.27	390353	5.0
1H-Benzimidazole,...	13.69	2.1	ug/L	167711	3	11.27	390353	5.0