LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

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_U\METHOD\82U061318W.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	1.089	139	155	181	rBV	1178834	1364825	8.11%	1.154%
2	2.323	528	539	561	rVB	121243	204121	1.21%	0.173%
3	2.998	733	749	769	rBV	104110	221081	1.31%	0.187%
4	4.098	1073	1091	1108	rBV2	199750	531502	3.16%	0.449%
5	4.889	1321	1337	1354	rBV	178623	426229	2.53%	0.360%
6	4.995	1354	1370	1386	rBV4	455279	1120126	6.66%	0.947%
7	5.085	1387	1398	1423	rVB3	95220	274642	1.63%	0.232%
8	5.223	1425	1441	1458	rBV2	131237	353694	2.10%	0.299%
9	5.313	1459	1469	1484	rVB	170168	350167	2.08%	0.296%
10	5.487	1510	1523	1532	rBV2	128076	289855	1.72%	0.245%
11	5.555	1537	1544	1555	rVV5	131623	300487	1.79%	0.254%
12	5.625	1556	1566	1581	rVB3	110356	258016	1.53%	0.218%
13	5.892	1634	1649	1658	rBV	339027	667394	3.97%	0.564%
14	5.950	1658	1667	1691	rVB5	170832	541453	3.22%	0.458%
15	6.227	1736	1753	1785	rVB5	148469	359884	2.14%	0.304%
16	6.420	1789	1813	1827	rBV4	519727	1335448	7.94%	1.129%
17	6.645	1872	1883	1896	rVB	104385	192935	1.15%	0.163%
18	6.847	1925	1946	1957	rBV5	83144	274496	1.63%	0.232%
19	6.931	1958	1972	1988	rVB5	77650	210868	1.25%	0.178%
20	7.072	1989	2016	2026	rBV2	404440	932276	5.54%	0.788%
21	7.436	2117	2129	2146	rVB3	254270	506725	3.01%	0.428%
22	7.571	2147	2171	2184	rBV	678153	1439921	8.56%	1.217%
23	7.847	2248	2257	2270	rVB2	102452	182889	1.09%	0.155%
24	8.050	2300	2320	2327	rBV	114865	240631	1.43%	0.203%
25	8.098	2327	2335	2352	rVB	241174	411660	2.45%	0.348%
26	9.095	2634	2645	2655	rBV	509298	826060	4.91%	0.698%
27	9.255	2688	2695	2716	rVB	122497	216362	1.29%	0.183%
28	10.169	2967	2979	3000	rVB	1858550	2921383	17.36%	2.469%
29	10.310	3013	3023	3036	rBV	502658	798092	4.74%	0.675%
30	10.590	3098	3110	3134	rVB	4092679	6313596	37.52%	5.336%
31	10.976	3218	3230	3252	rVB	275107	451861	2.69%	0.382%
32	11.294	3317	3329	3334	rBV	273510	435550	2.59%	0.368%
33	11.326	3334	3339	3352	rVB	343491	510259	3.03%	0.431%
34	11.487	3378	3389	3406	rVB	641394	1007832	5.99%	0.852%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

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_U\METHOD\82U061318W.M
Title : SW846 8260

35	11.773	3463	3478	3496	rBV2	9659025	16827221	100.00%	14.223%
36	11.869	3497	3508	3512	rBV	755669	1172516	6.97%	0.991%
37	11.985	3529	3544	3556	rVB	514412	817167	4.86%	0.691%
38	12.059	3556	3567	3577	rBV	145730	219597	1.31%	0.186%
39	12.149	3586	3595	3609	rVB	117341	181802	1.08%	0.154%
40	12.255	3611	3628	3635	rBV	6599601	9937725	59.06%	8.400%
41	12.358	3649	3660	3680	rBV2	4793890	8532011	50.70%	7.212%
42	12.541	3708	3717	3731	rVB2	206637	365820	2.17%	0.309%
43	12.654	3731	3752	3764	rBV	3908920	6025369	35.81%	5.093%
44	12.789	3783	3794	3812	rBV2	532045	881000	5.24%	0.745%
45	12.927	3827	3837	3841	rBV2	298600	483253	2.87%	0.408%
46	12.969	3841	3850	3867	rVB	4505741	6872321	40.84%	5.809%
47	13.127	3879	3899	3910	rBV2	8931520	14744168	87.62%	12.462%
48	13.239	3927	3934	3941	rBV	383082	490350	2.91%	0.414%
49	13.294	3941	3951	3973	rVB2	1393422	2298605	13.66%	1.943%
50	13.410	3975	3987	3994	rBV3	531608	852931	5.07%	0.721%
51	13.461	3994	4003	4011	rVB	1164113	1750213	10.40%	1.479%
52	13.512	4011	4019	4028	rBV3	1397447	2015294	11.98%	1.703%
53	13.580	4034	4040	4044	rBV	342192	426178	2.53%	0.360%
54	13.612	4045	4050	4057	rVB	741103	918934	5.46%	0.777%
55	13.744	4072	4091	4101	rBV	2664727	4292522	25.51%	3.628%
56	13.792	4101	4106	4117	rVV2	131667	213832	1.27%	0.181%
57	13.857	4117	4126	4141	rVB	186849	301837	1.79%	0.255%
58	13.956	4142	4157	4168	rBV3	512657	974148	5.79%	0.823%
59	14.017	4168	4176	4185	rVB2	414041	632573	3.76%	0.535%
60	14.156	4208	4219	4233	rBV	781670	1219390	7.25%	1.031%
61	14.339	4264	4276	4289	rBV2	606886	1353641	8.04%	1.144%
62	14.480	4310	4320	4330	rBV3	232182	406668	2.42%	0.344%
63	14.541	4330	4339	4353	rVB3	364404	642756	3.82%	0.543%
64	14.683	4371	4383	4394	rBV4	138931	265659	1.58%	0.225%
65	14.879	4433	4444	4461	rVV	2264906	3569244	21.21%	3.017%
66	15.065	4490	4502	4515	rVB	1230791	1963538	11.67%	1.660%
67	16.062	4795	4812	4820	rBV2	113347	189768	1.13%	0.160%

Sum of corrected areas: 118310371

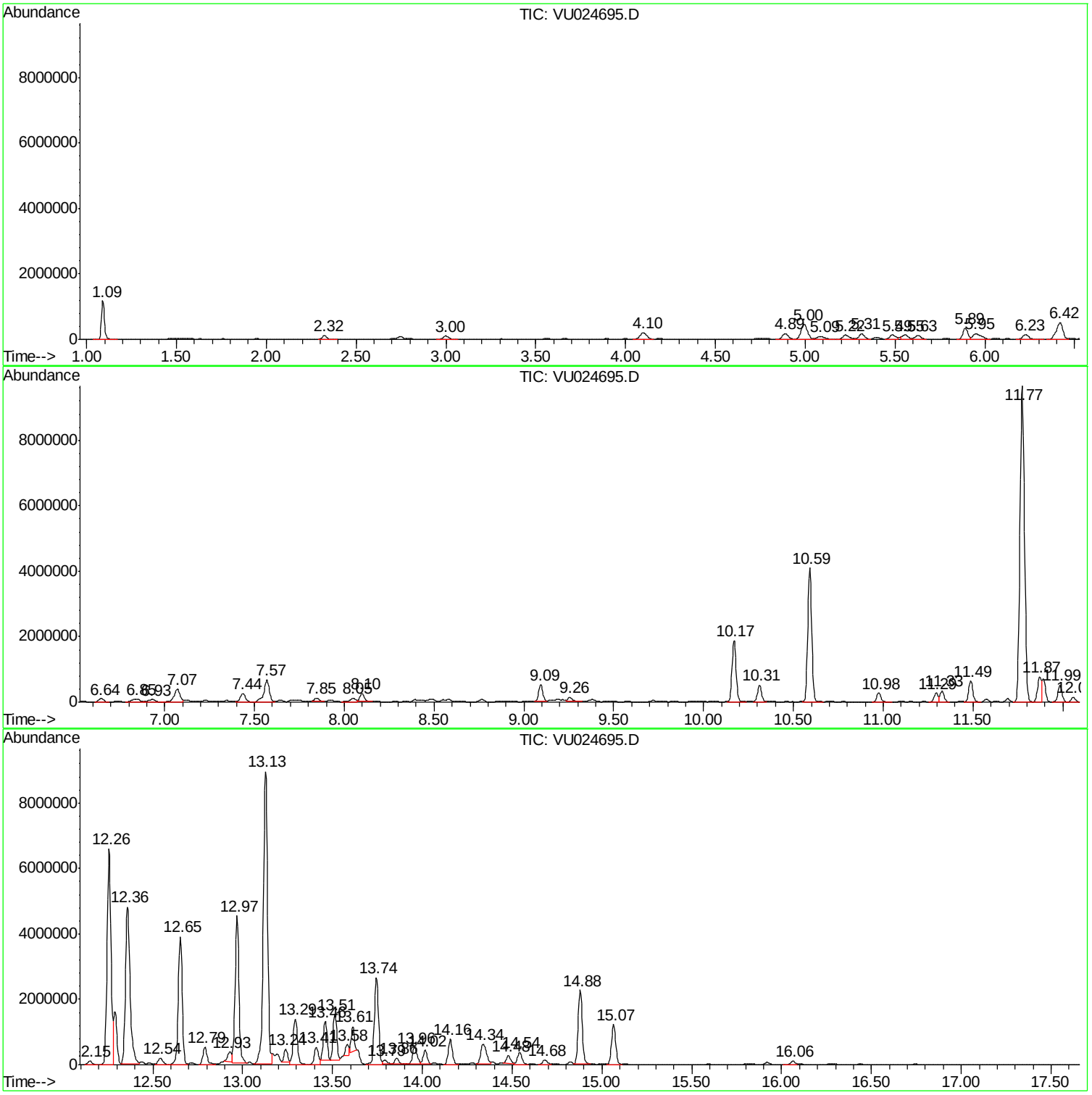
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

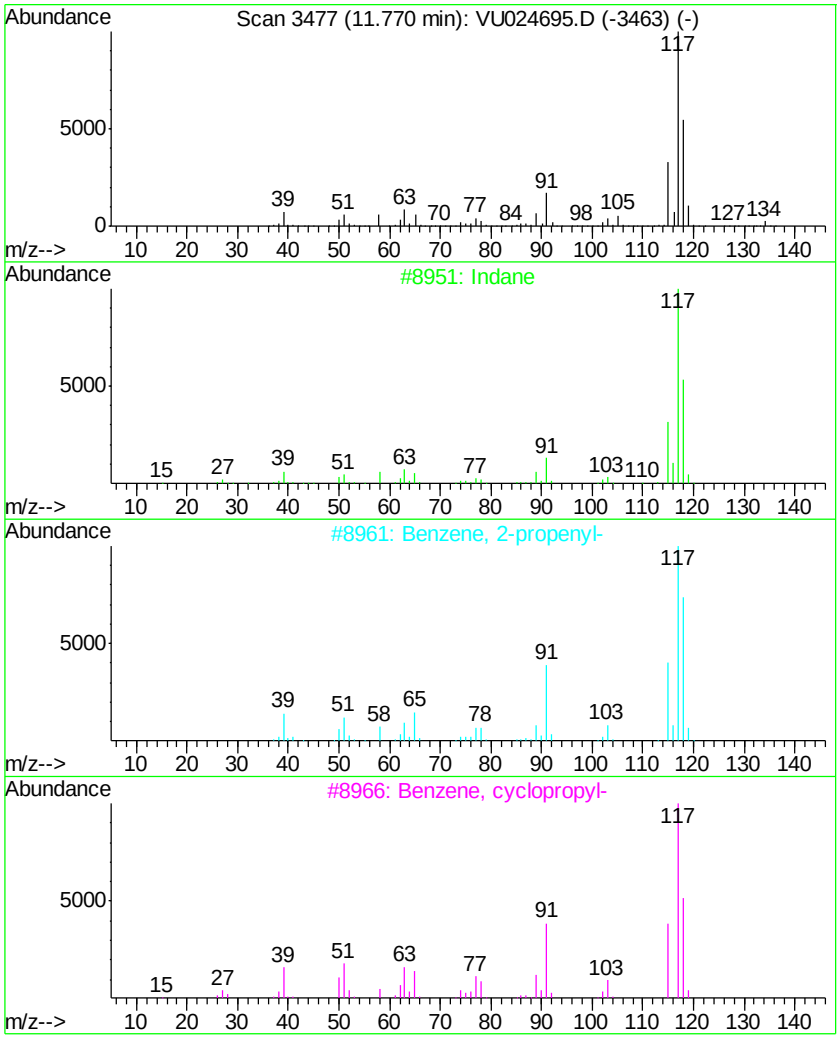
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

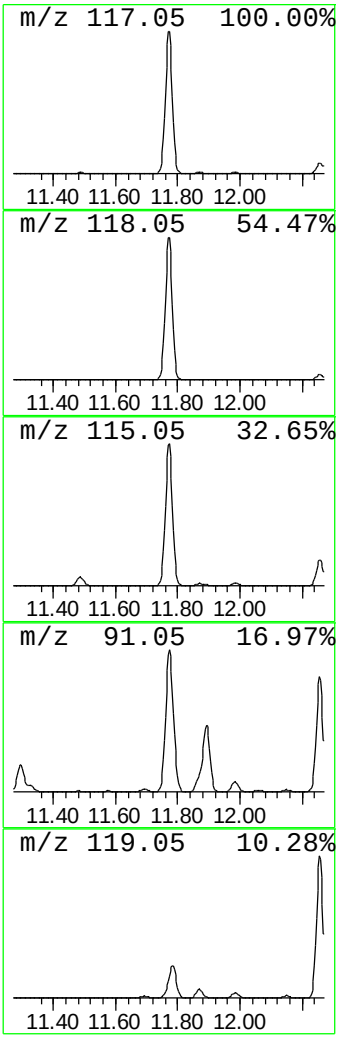
****

Peak Number 1 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	834.82 ug/l	16827200	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	1,4:5,8-Dimethanobiphenylene, 1,...	184	C14H16	001624-13-1	64
5	Deltacyclene	118	C9H10	007785-10-6	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

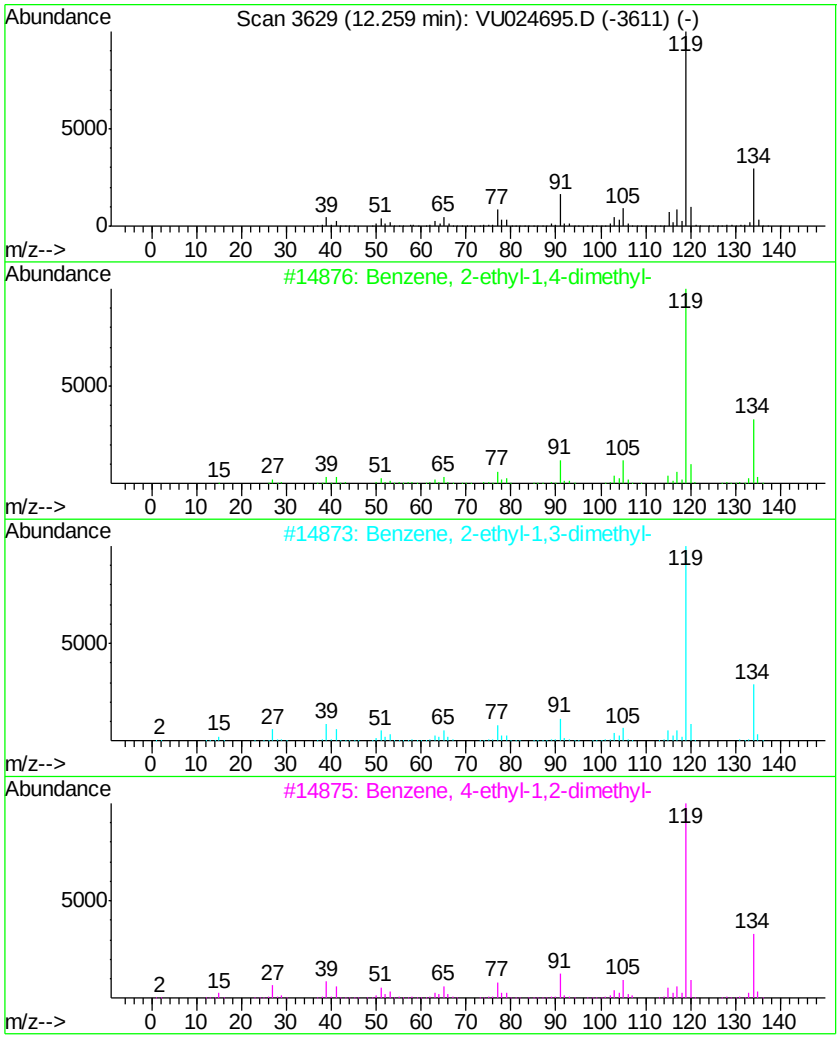
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

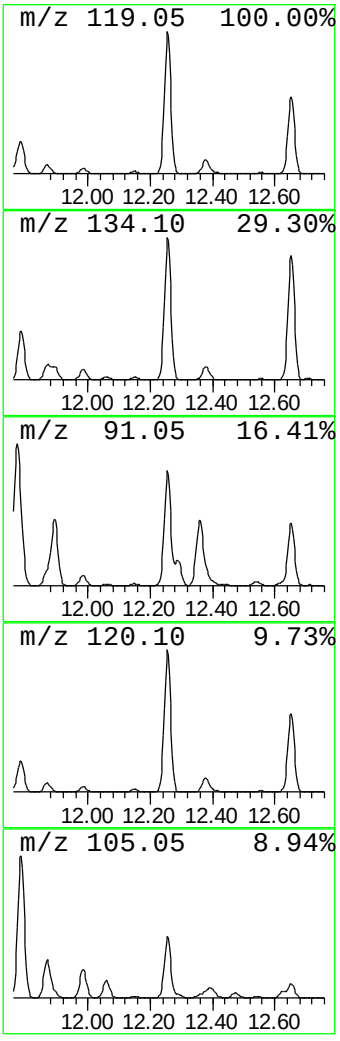
****

Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	493.03 ug/l	9937730	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	o-Cymene	134	C10H14	000527-84-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

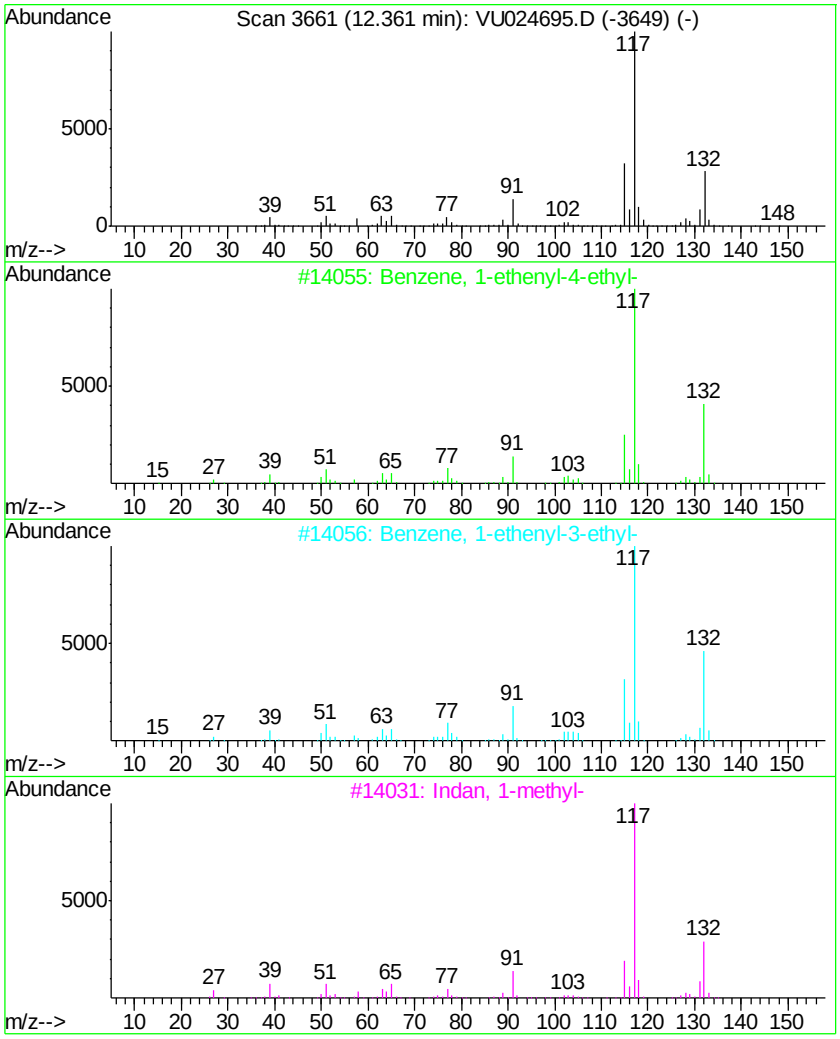
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

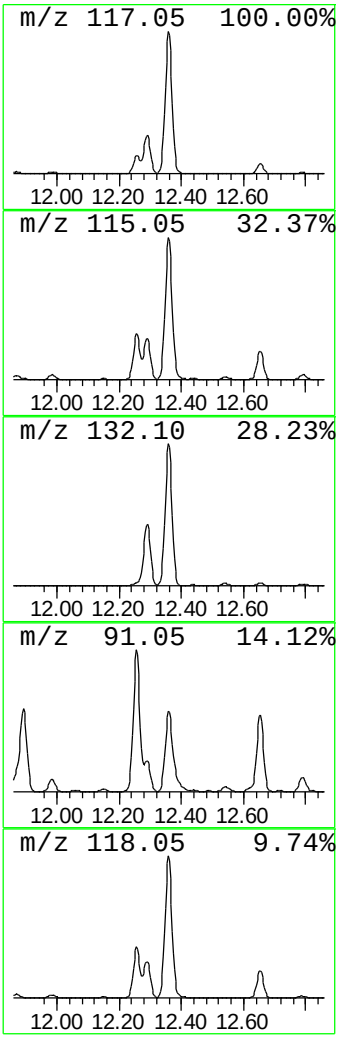
****

Peak Number 3 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	423.29 ug/l	8532010	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

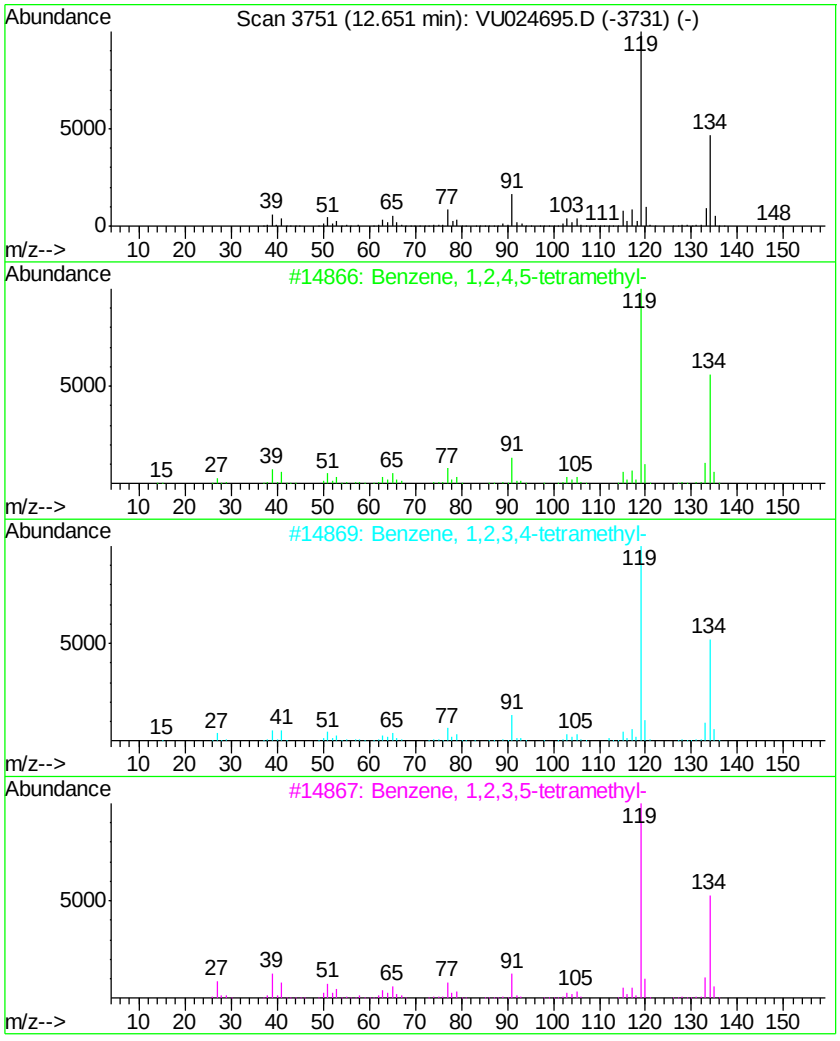
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

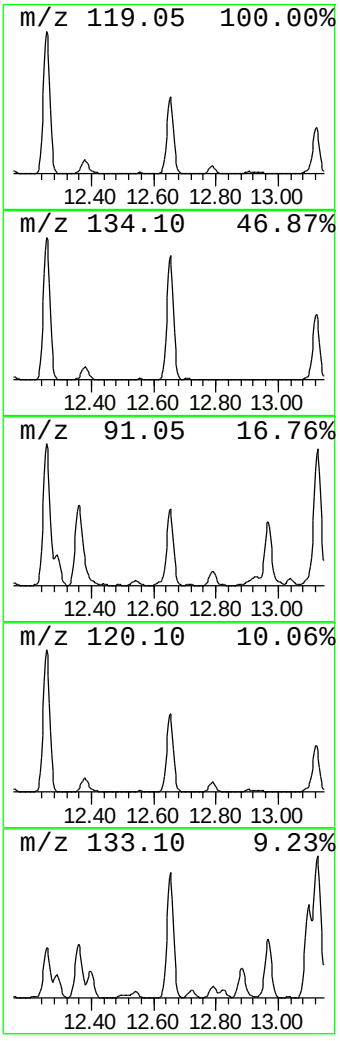
****

Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	298.93 ug/l	6025370	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

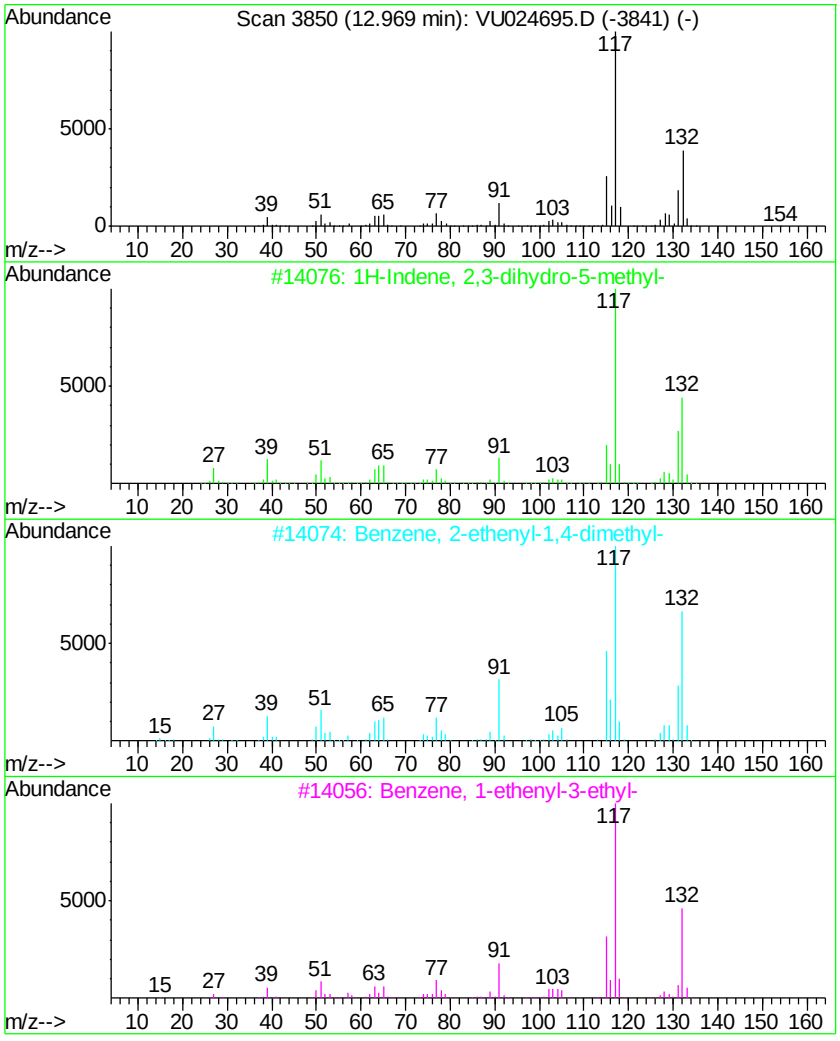
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

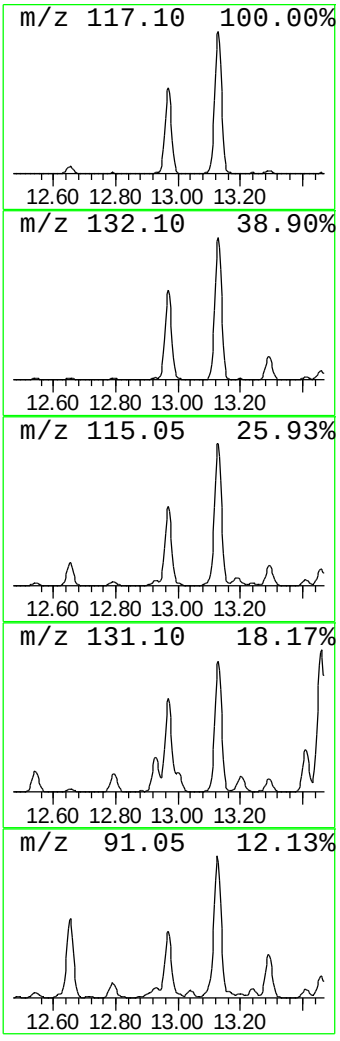
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	340.95 ug/l	6872320	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

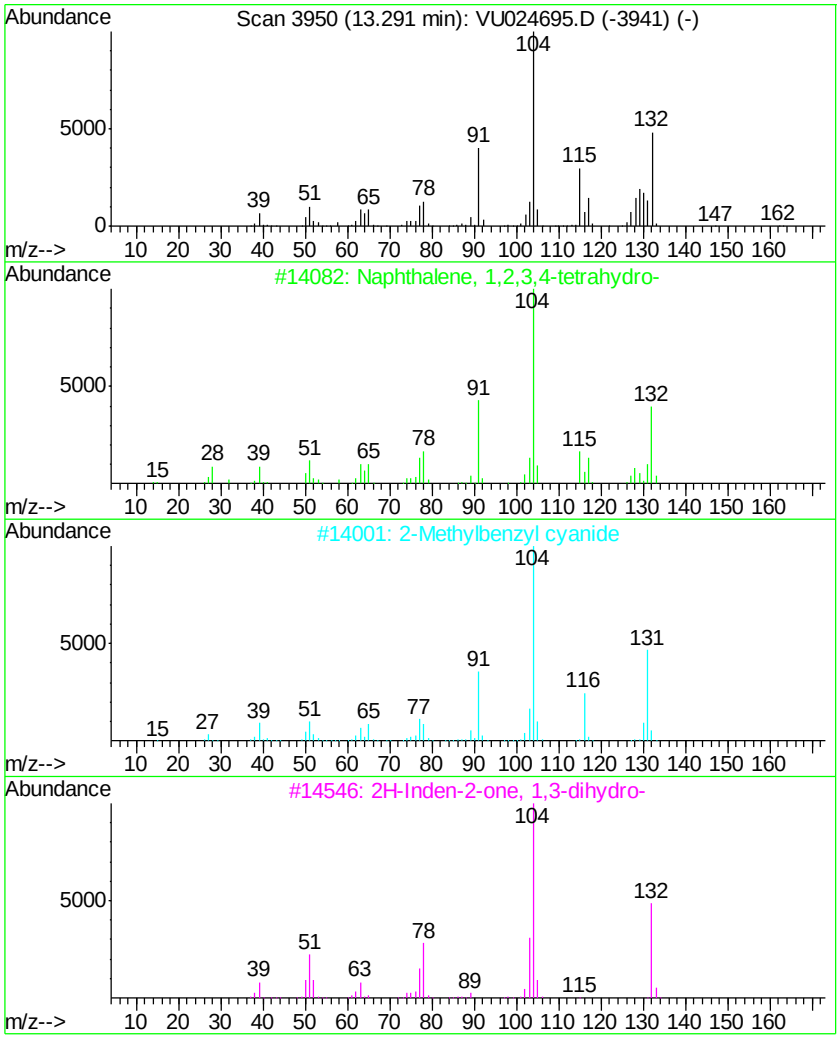
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

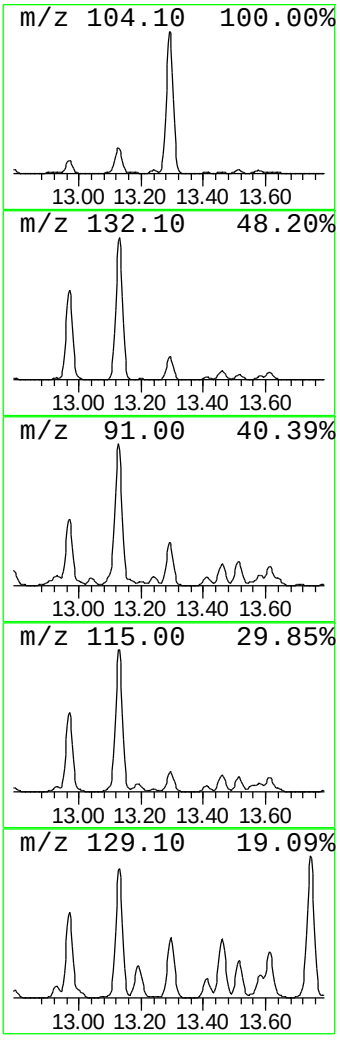
****

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	114.04 ug/l	2298610	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
2	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	38
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	38
4	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	27
5	4-Cyanobenzoic acid, 2-phenyleth...	251	C16H13NO2	131786-46-4	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

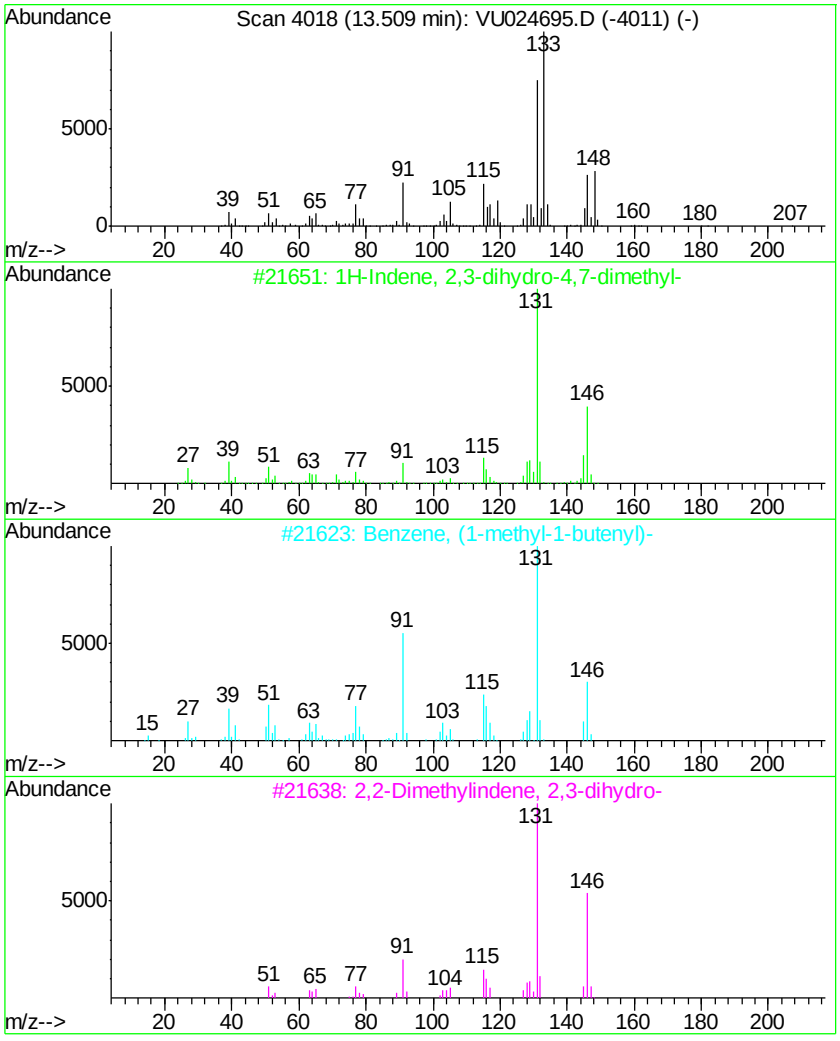
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

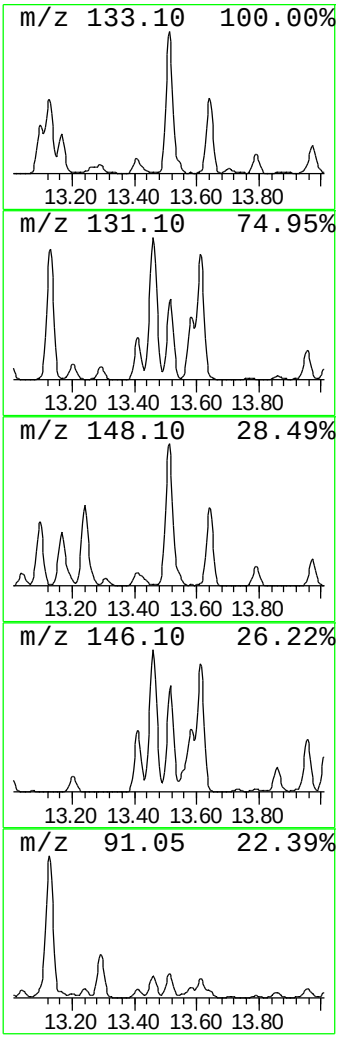
****

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	99.98 ug/l	2015290	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	55
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

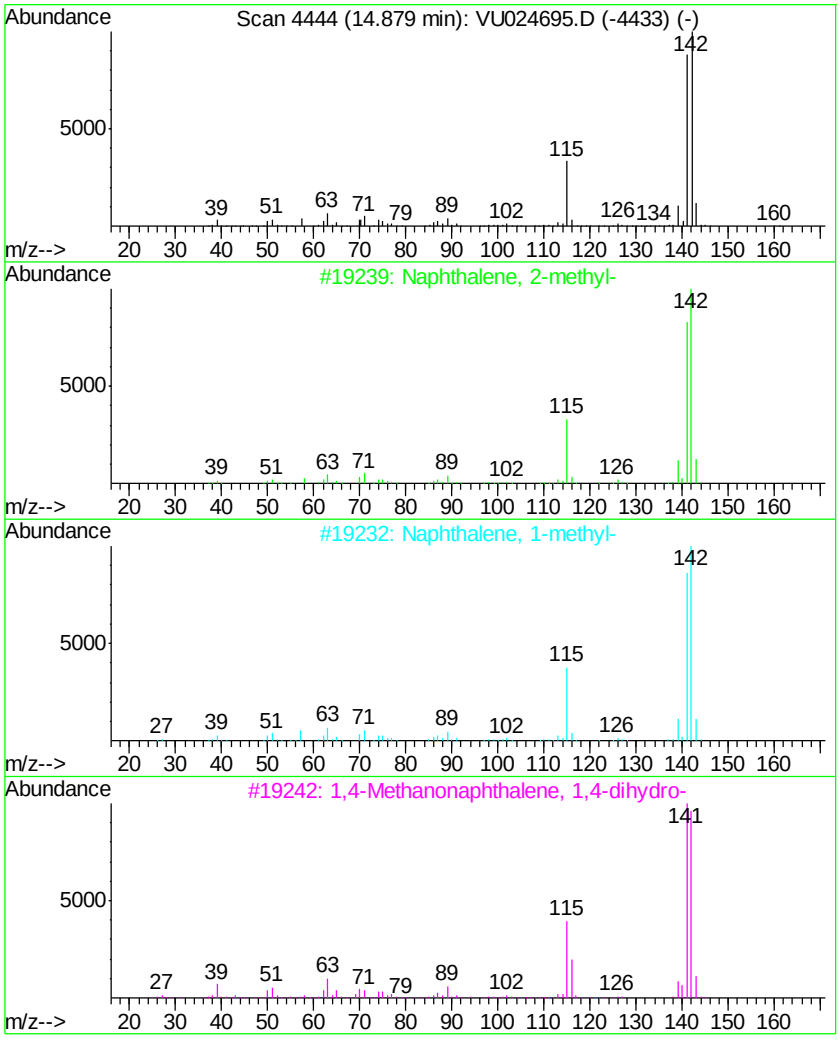
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

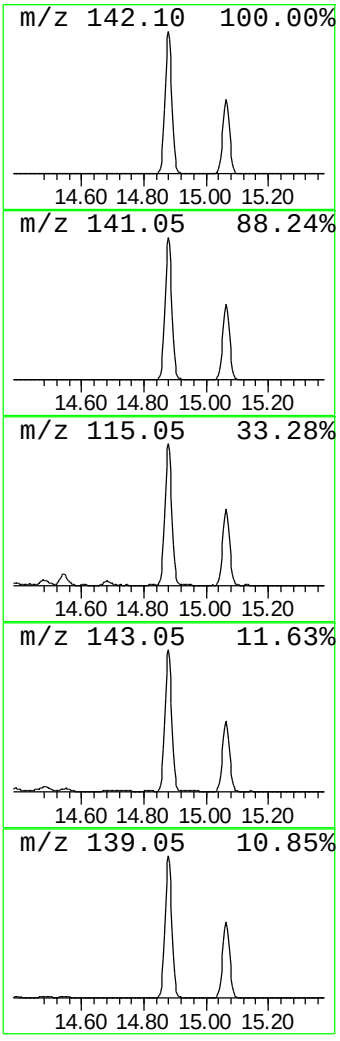
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	177.08 ug/l	3569240	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024695.D
Acq On : 18 Jun 2018 16:36
Operator : MD/SY
Sample : J3463-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T2-MW-4-8.0-061218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.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
Indane	11.77	834.8	ug/l	16827200	4	11.49	1007830	50.0
Benzene, 2-ethyl-...	12.26	493.0	ug/l	9937730	4	11.49	1007830	50.0
Benzene, 1-etheny...	12.36	423.3	ug/l	8532010	4	11.49	1007830	50.0
Benzene, 1,2,4,5-...	12.65	298.9	ug/l	6025370	4	11.49	1007830	50.0
1H-Indene, 2,3-di...	12.97	340.9	ug/l	6872320	4	11.49	1007830	50.0
Naphthalene, 1,2,...	13.29	114.0	ug/l	2298610	4	11.49	1007830	50.0
1H-Indene, 2,3-di...	13.51	100.0	ug/l	2015290	4	11.49	1007830	50.0
Naphthalene, 1-me...	14.88	177.1	ug/l	3569240	4	11.49	1007830	50.0