LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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	1.088	143	155	177	rBV	1677400	1866341	19.58%	3.226%
2	3.002	732	750	767	rBV2	99173	218398	2.29%	0.377%
3	4.101	1072	1092	1109	rBV	98307	267556	2.81%	0.462%
4	4.889	1322	1337	1354	rBV2	184982	421313	4.42%	0.728%
5	4.992	1354	1369	1389	rVV2	343479	852483	8.94%	1.473%
6	5.313	1457	1469	1486	rVB	176074	370261	3.88%	0.640%
7	5.892	1634	1649	1659	rBV	353300	697049	7.31%	1.205%
8	5.950	1660	1667	1691	rVB6	89033	264196	2.77%	0.457%
9	6.227	1738	1753	1769	rBV5	64402	145520	1.53%	0.252%
10	6.419	1792	1813	1827	rBV3	176816	419333	4.40%	0.725%
11	6.847	1927	1946	1959	rBV6	44437	147739	1.55%	0.255%
12	7.072	2000	2016	2026	rBV	172866	324930	3.41%	0.562%
13	7.432	2116	2128	2146	rVB	132918	249107	2.61%	0.431%
14	7.571	2148	2171	2186	rBV	667430	1221521	12.81%	2.111%
15	8.098	2326	2335	2358	rVB	73090	136247	1.43%	0.235%
16	9.095	2632	2645	2657	rBV	514733	853062	8.95%	1.474%
17	10.168	2967	2979	3000	rVB	844786	1327490	13.92%	2.294%
18	10.310	3012	3023	3039	rBV	503540	803564	8.43%	1.389%
19	10.590	3098	3110	3137	rVB	2550979	3891769	40.82%	6.726%
20	10.976	3219	3230	3245	rBV	115014	195125	2.05%	0.337%
21	11.294	3318	3329	3333	rBV	111583	161889	1.70%	0.280%
22	11.326	3333	3339	3355	rVB	191596	307597	3.23%	0.532%
23	11.487	3378	3389	3404	rBV	618955	962258	10.09%	1.663%
24	11.693	3442	3453	3463	rBV	75888	118287	1.24%	0.204%
25	11.770	3463	3477	3496	rBV2	5611376	9533788	100.00%	16.478%
26	11.869	3497	3508	3512	rBV	323894	499087	5.23%	0.863%
27	11.985	3533	3544	3558	rVB	266045	412579	4.33%	0.713%
28	12.255	3612	3628	3635	rBV	2572945	3974384	41.69%	6.869%
29	12.358	3649	3660	3682	rBV2	1974484	3633239	38.11%	6.279%
30	12.541	3708	3717	3731	rVB2	124785	210928	2.21%	0.365%
31	12.654	3732	3752	3764	rBV	1679571	2631046	27.60%	4.547%
32	12.789	3783	3794	3807	rBV2	148547	234371	2.46%	0.405%
33	12.882	3814	3823	3829	rBV	60639	98171	1.03%	0.170%
34	12.930	3830	3838	3840	rVV2	128464	183377	1.92%	0.317%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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	12.966	3841	3849	3868	rVB	1623834	2551564	26.76%	4.410%
36	13.127	3879	3899	3910	rBV3	4687315	7617100	79.90%	13.165%
37	13.239	3928	3934	3941	rBV	83971	106210	1.11%	0.184%
38	13.294	3942	3951	3969	rVB3	228629	412422	4.33%	0.713%
39	13.410	3970	3987	3994	rBV3	150202	263718	2.77%	0.456%
40	13.461	3994	4003	4010	rBV	279832	415559	4.36%	0.718%
41	13.512	4010	4019	4028	rBV3	442982	641675	6.73%	1.109%
42	13.583	4034	4041	4044	rBV	146320	204828	2.15%	0.354%
43	13.612	4045	4050	4073	rVB3	401991	893001	9.37%	1.543%
44	13.734	4078	4088	4097	rBV3	52267	102299	1.07%	0.177%
45	13.789	4098	4105	4116	rVB2	98181	155144	1.63%	0.268%
46	13.856	4117	4126	4139	rBV	145926	223917	2.35%	0.387%
47	13.956	4141	4157	4168	rBV2	242925	506579	5.31%	0.876%
48	14.014	4168	4175	4186	rVB2	147367	227047	2.38%	0.392%
49	14.155	4208	4219	4243	rBV	251816	476801	5.00%	0.824%
50	14.352	4265	4280	4291	rBV6	403973	961176	10.08%	1.661%
51	14.480	4311	4320	4329	rBV2	117801	195075	2.05%	0.337%
52	14.538	4329	4338	4353	rVB4	315086	550933	5.78%	0.952%
53	14.680	4370	4382	4396	rBV2	339688	584995	6.14%	1.011%
54	14.824	4418	4427	4434	rBV	69203	115135	1.21%	0.199%
55	14.876	4434	4443	4453	rVV3	82653	190079	1.99%	0.329%
56	14.937	4454	4462	4478	rVB6	66540	143784	1.51%	0.249%
57	15.072	4492	4504	4516	rBV7	105758	251445	2.64%	0.435%
58	15.589	4655	4665	4683	rVB2	57866	125870	1.32%	0.218%
59	15.802	4717	4731	4737	rBV	113744	192874	2.02%	0.333%
60	15.837	4738	4742	4754	rVB	77628	110805	1.16%	0.192%
61	15.917	4755	4767	4794	rBV	326379	611019	6.41%	1.056%
62	16.062	4800	4812	4821	rBV	546945	876193	9.19%	1.514%
63	16.290	4864	4883	4906	rVB2	148822	383111	4.02%	0.662%
64	16.435	4916	4928	4940	rBV2	82257	134466	1.41%	0.232%

Sum of corrected areas: 57858829

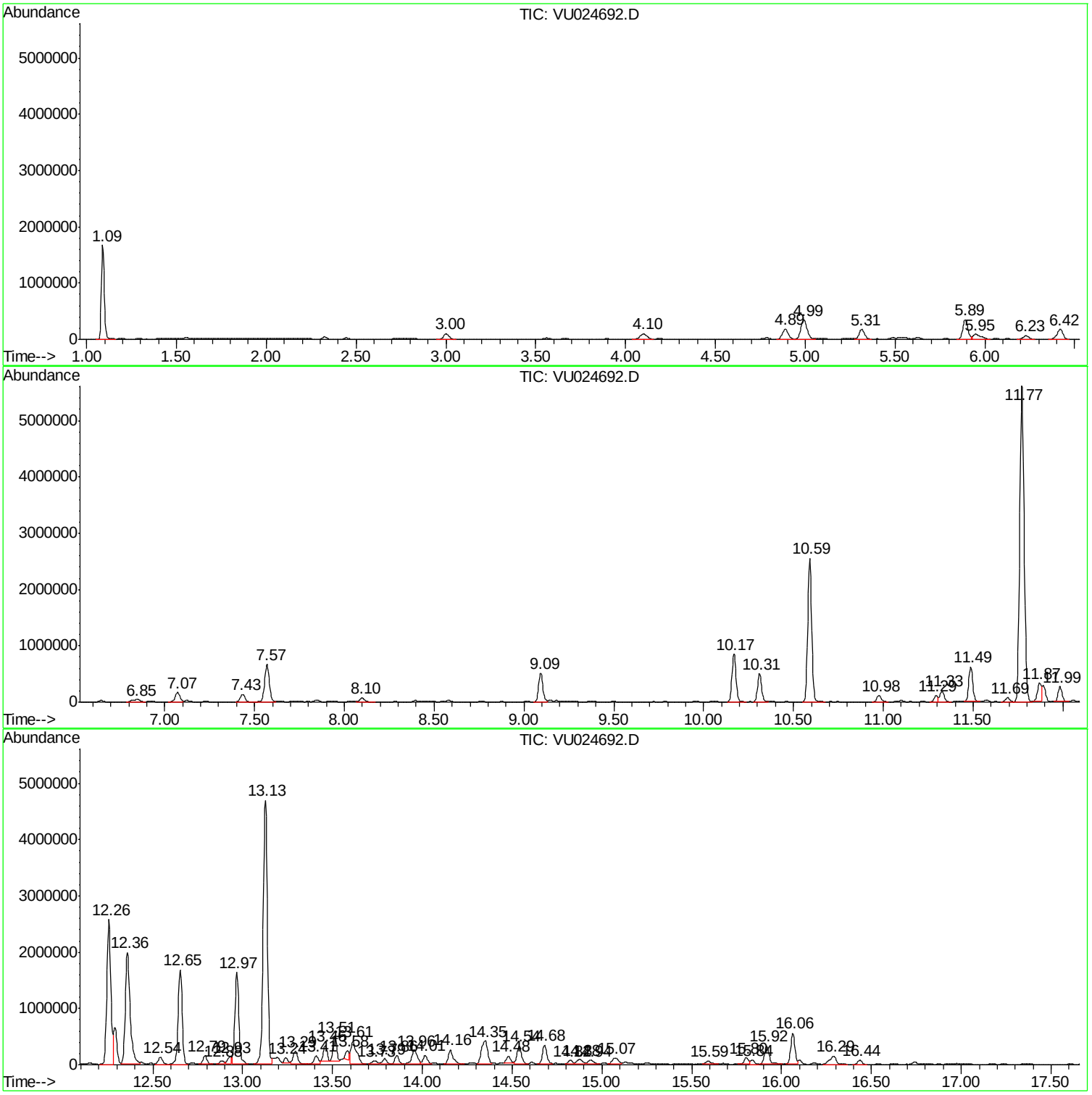
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

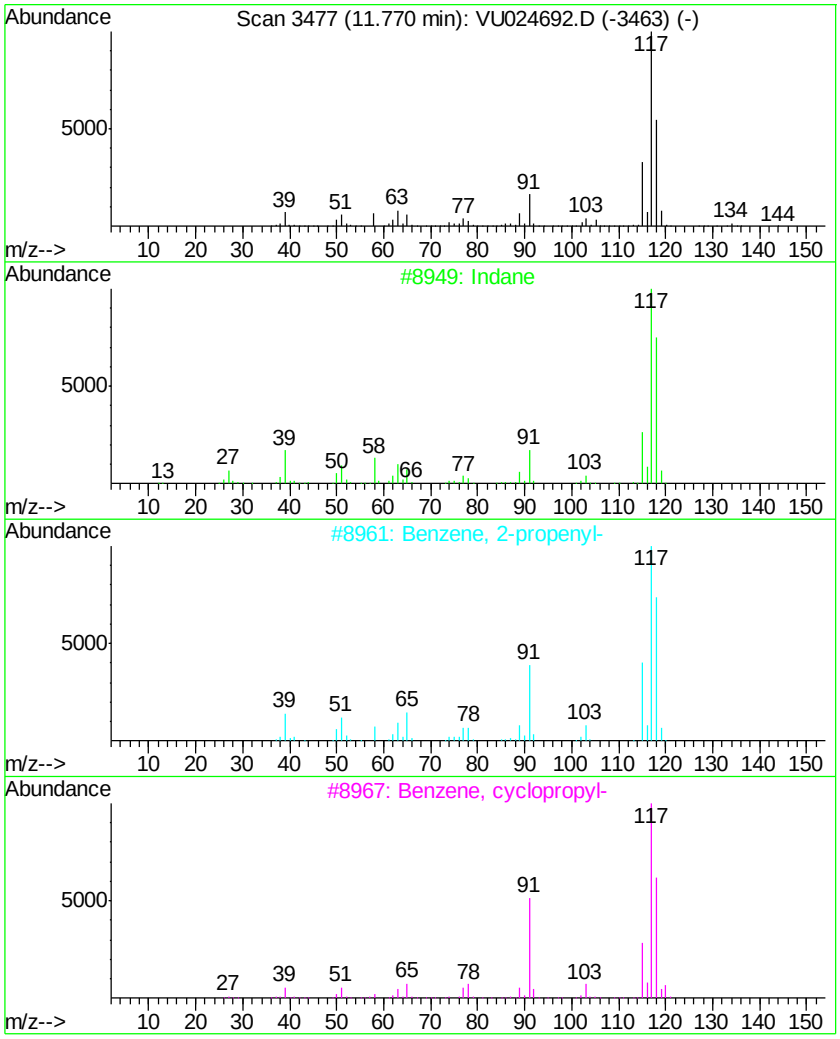
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

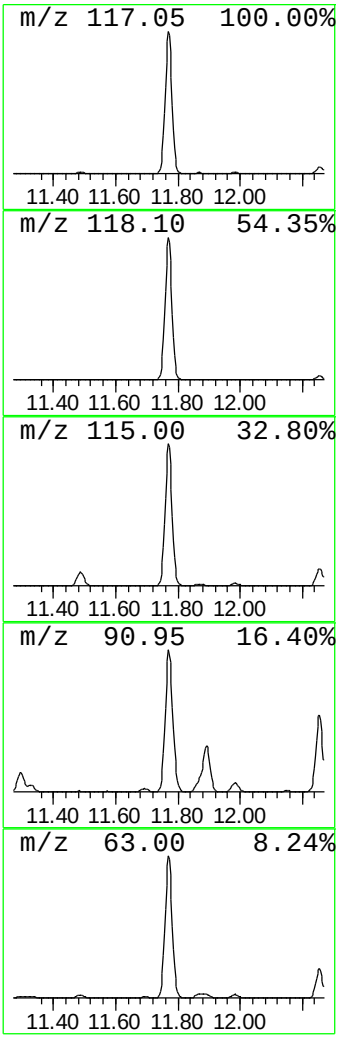
****

Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	495.39 ug/l	9533790	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

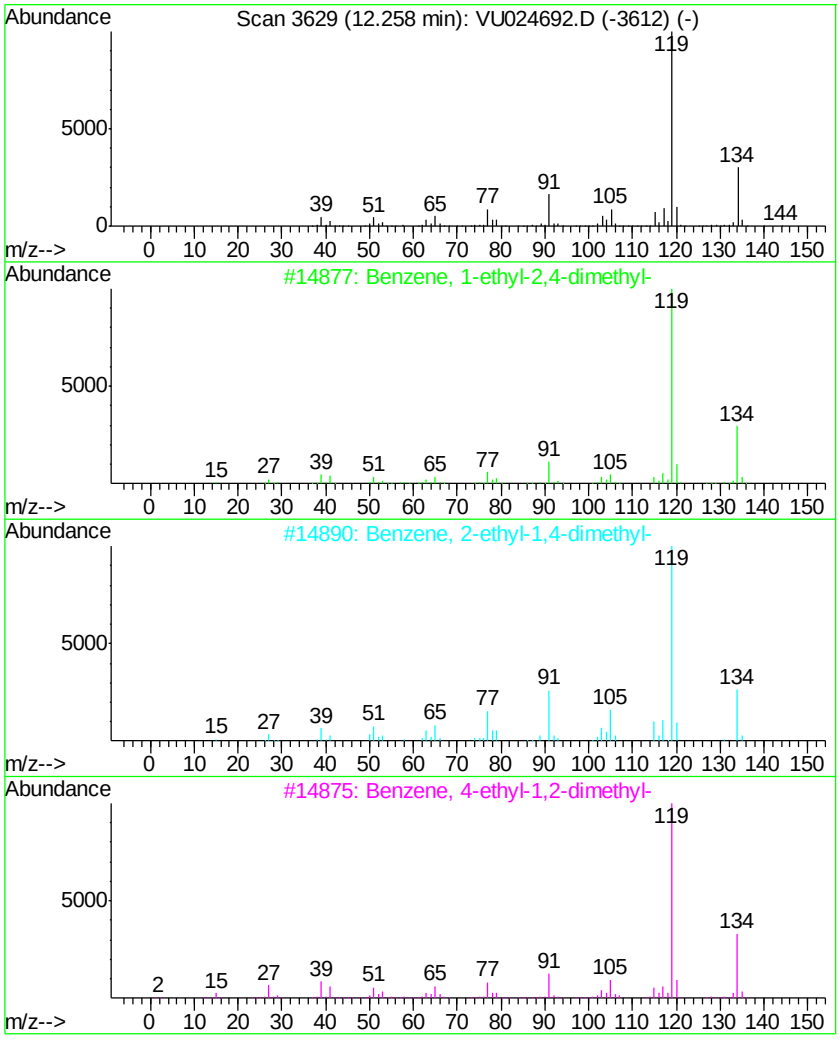
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

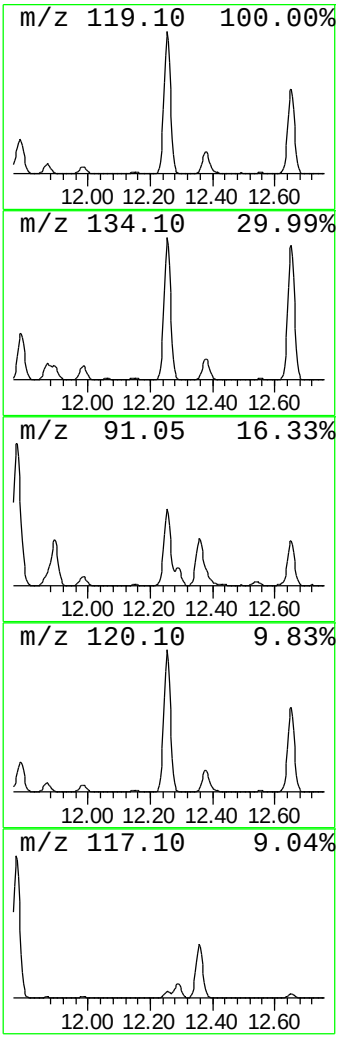
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	206.51 ug/l	3974380	1,4-Dichlorobenzene-d4	11.49

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-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

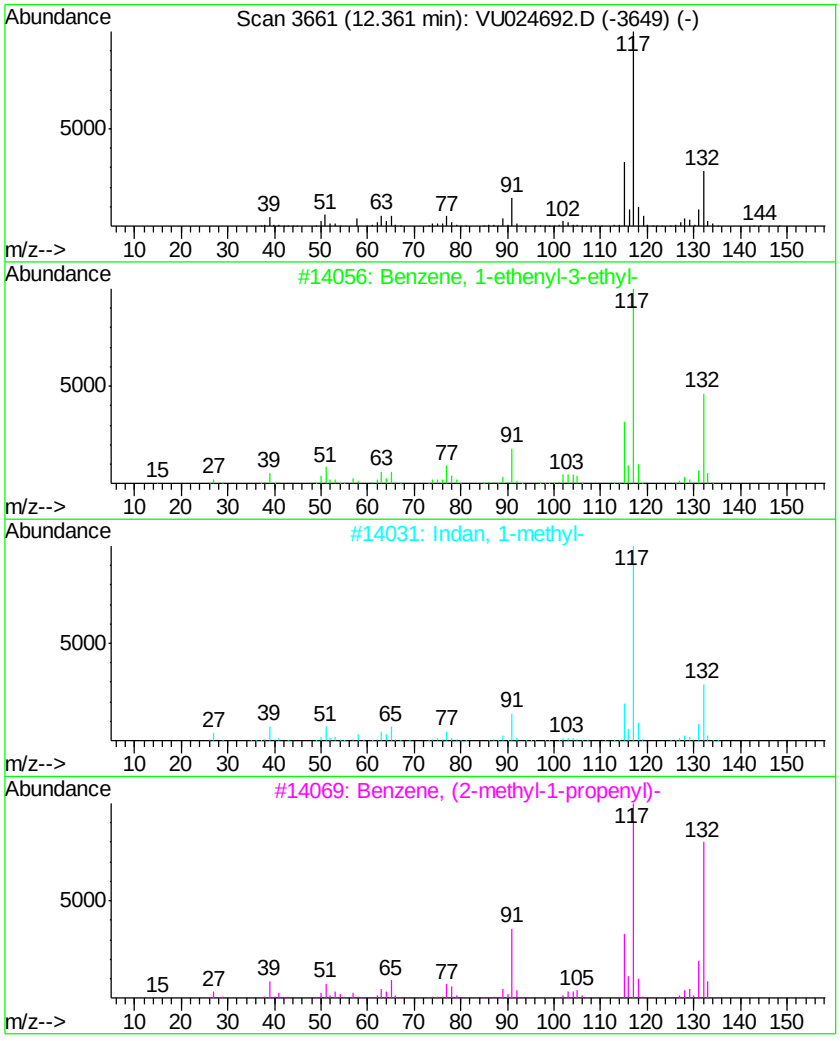
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

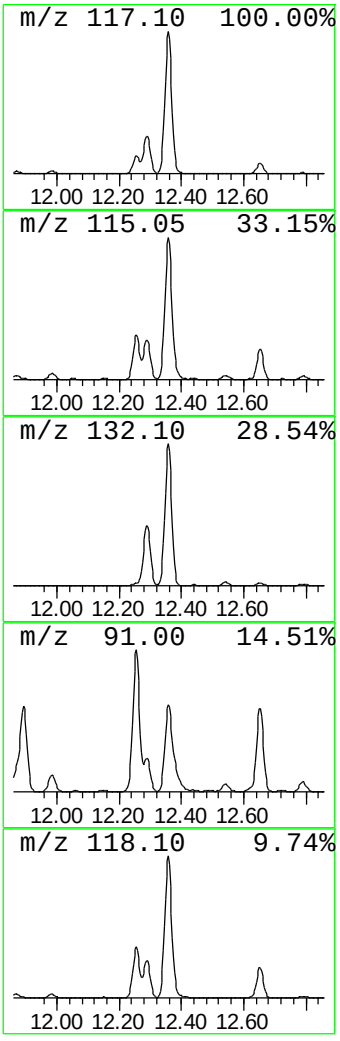
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	188.79 ug/l	3633240	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

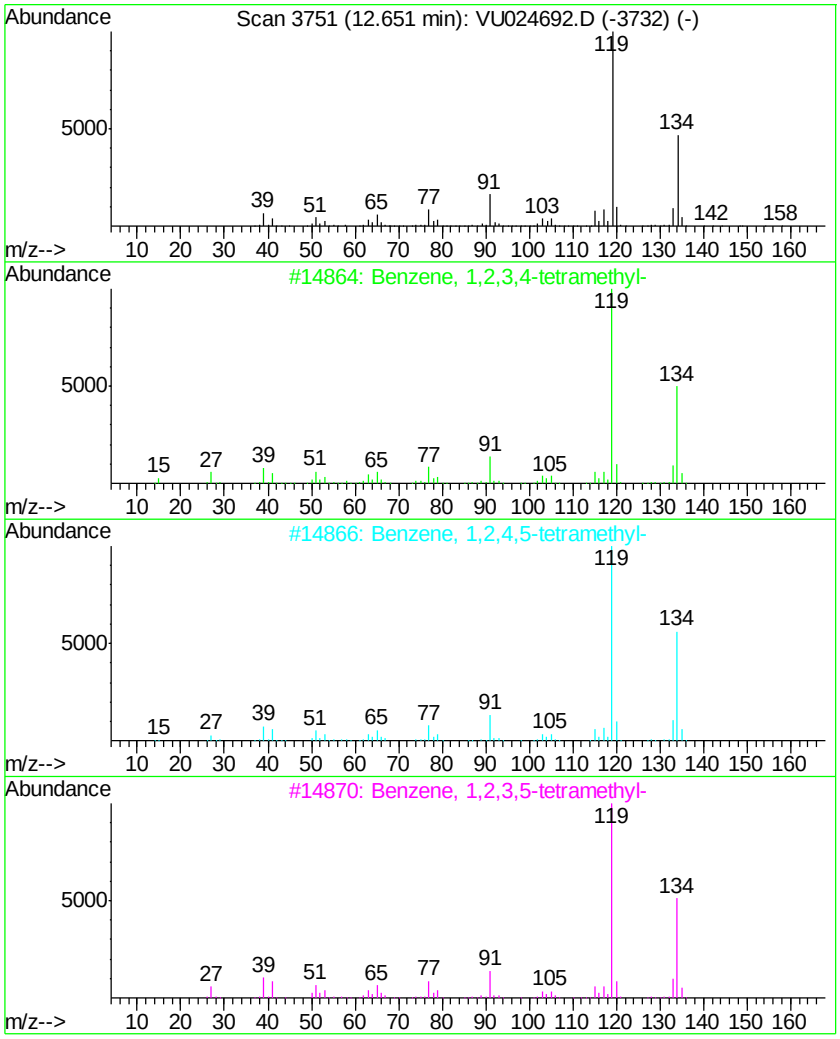
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

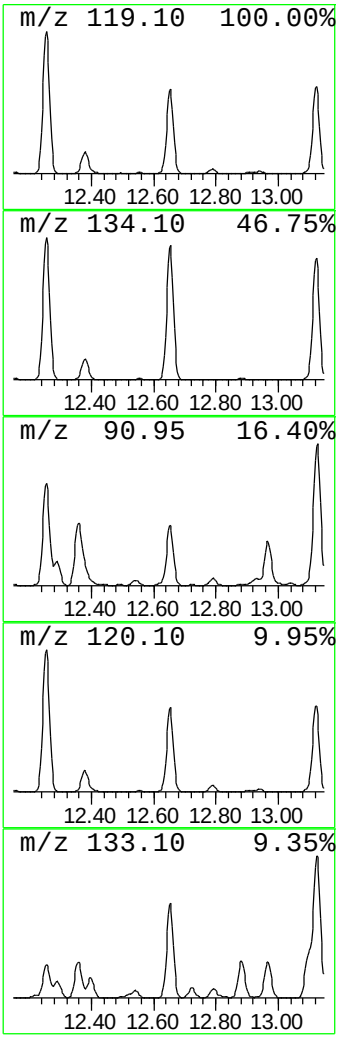
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	136.71 ug/l	2631050	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	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 : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

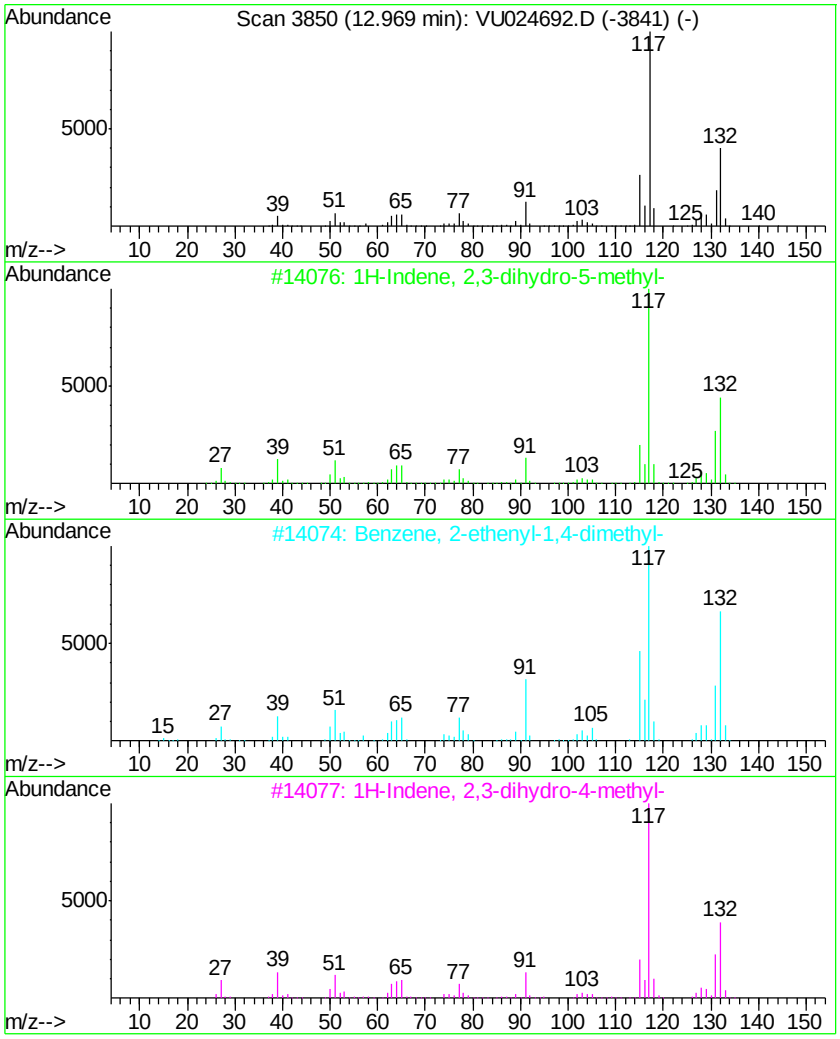
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

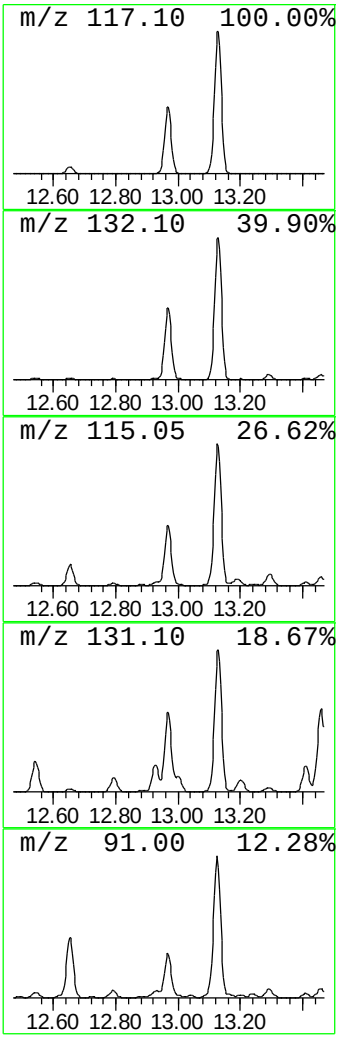
****

Peak Number 6 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	132.58 ug/l	2551560	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	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

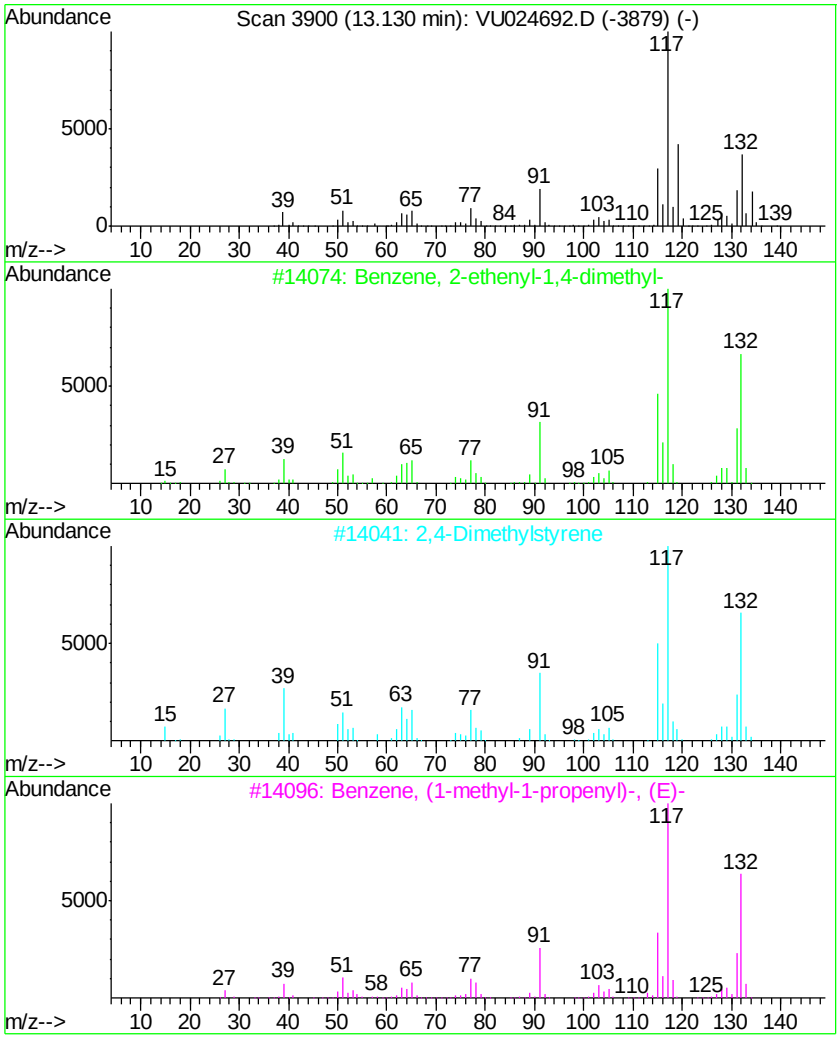
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

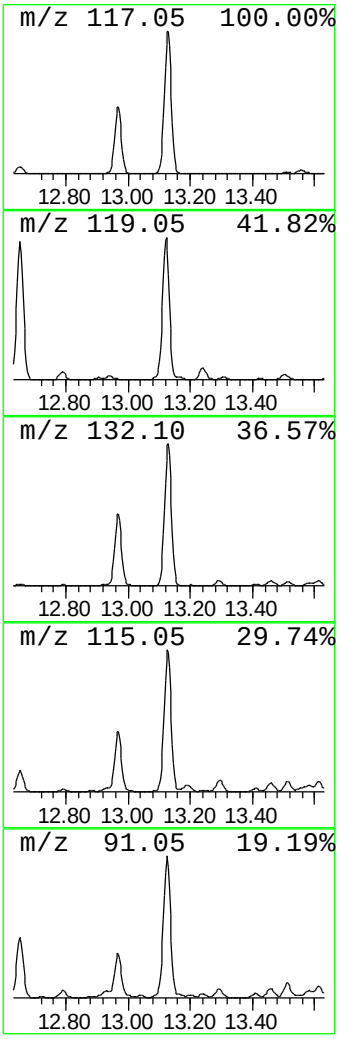
****

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	395.79 ug/l	7617100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

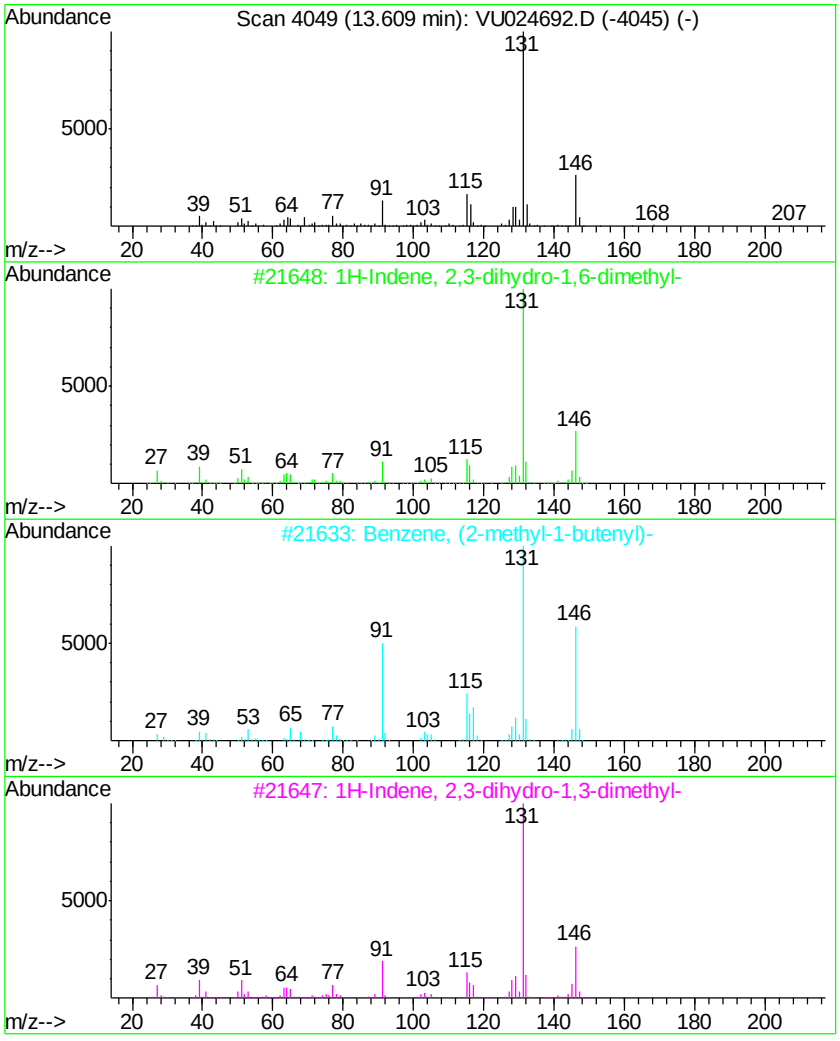
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

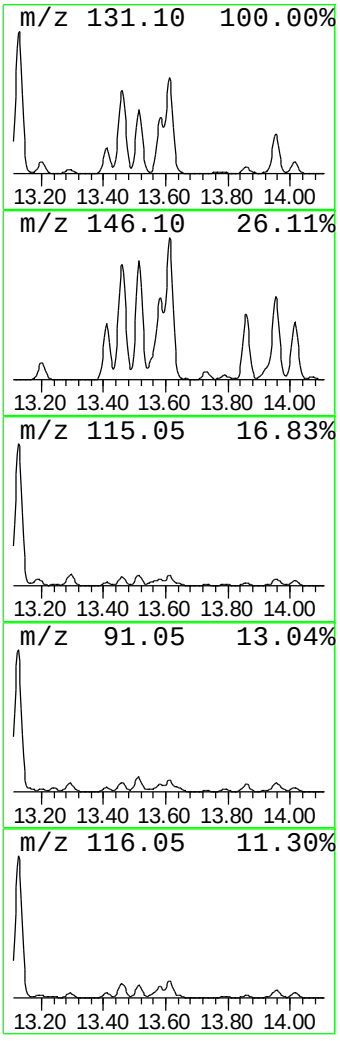
****

Peak Number 8 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	46.40 ug/l	893001	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





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Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

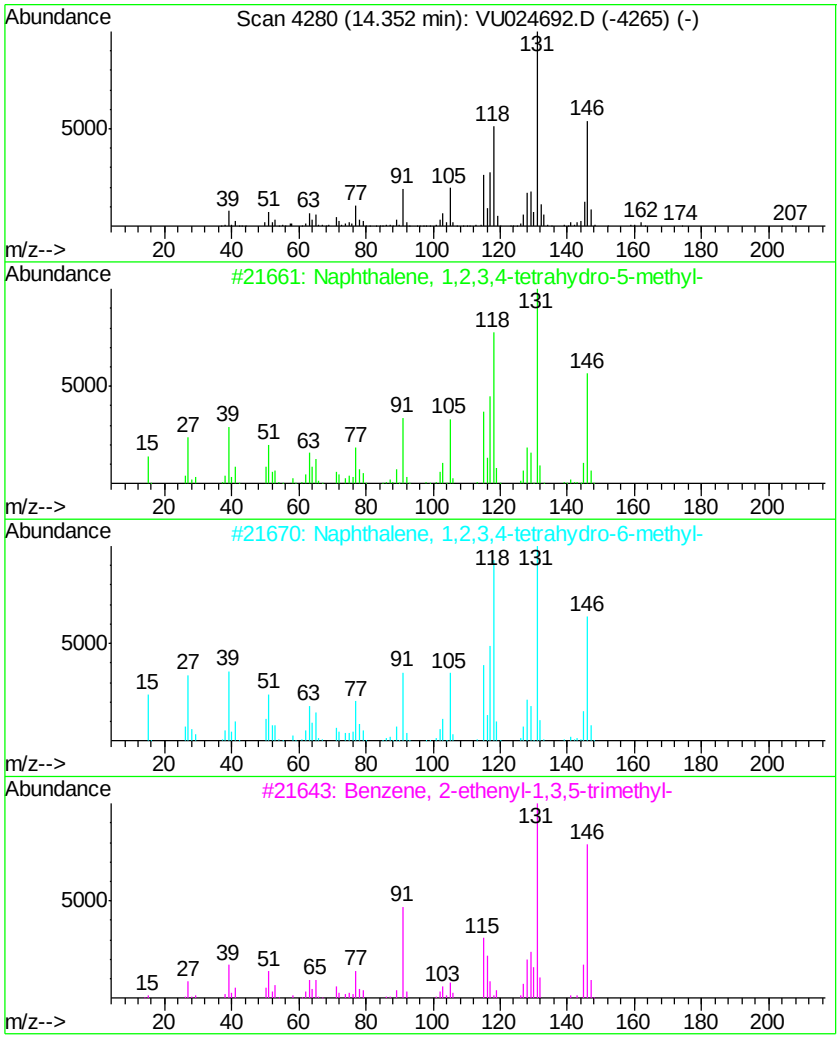
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

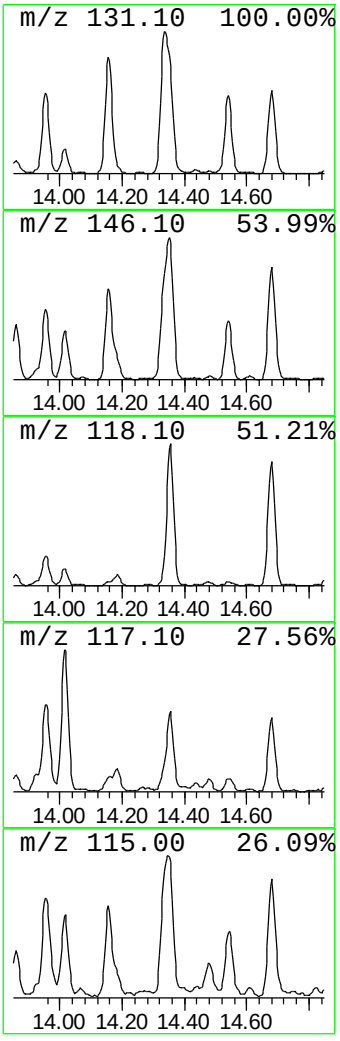
****

Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	49.94 ug/l	961176	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	86
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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

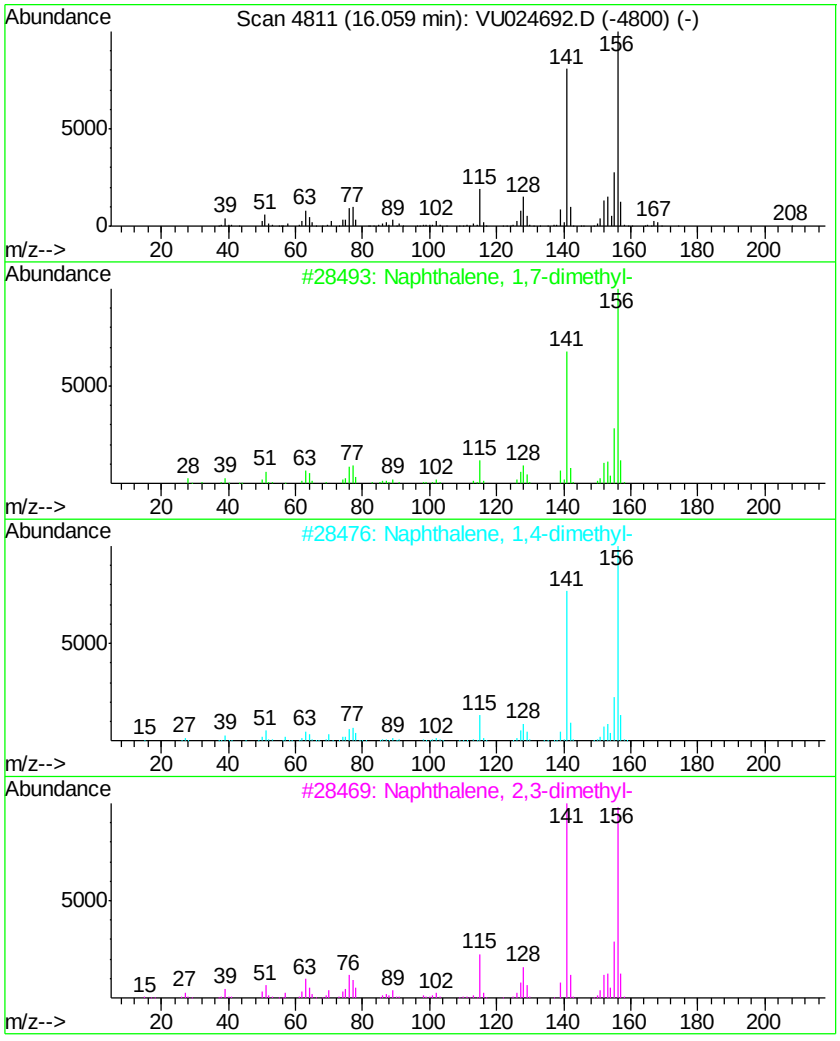
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

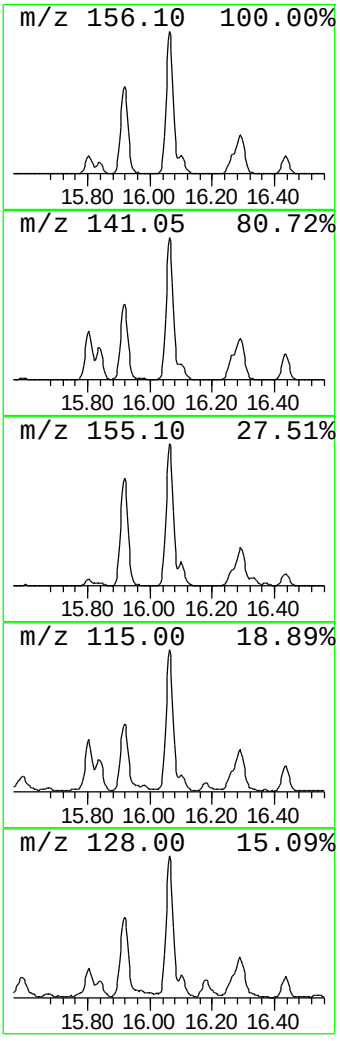
****

Peak Number 10 Naphthalene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	45.53 ug/l	876193	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
Data File : VU024692.D
Acq On : 18 Jun 2018 15:24
Operator : MD/SY
Sample : J3463-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : T11-MW-5-9.0-061218

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	495.4	ug/l	9533790	4	11.49	962258	50.0
Benzene, 1-ethyl-...	12.26	206.5	ug/l	3974380	4	11.49	962258	50.0
Benzene, 1-etheny...	12.36	188.8	ug/l	3633240	4	11.49	962258	50.0
Benzene, 1,2,3,4-...	12.65	136.7	ug/l	2631050	4	11.49	962258	50.0
1H-Indene, 2,3-di...	12.97	132.6	ug/l	2551560	4	11.49	962258	50.0
Benzene, 2-etheny...	13.13	395.8	ug/l	7617100	4	11.49	962258	50.0
1H-Indene, 2,3-di...	13.61	46.4	ug/l	893001	4	11.49	962258	50.0
Naphthalene, 1,2,...	14.35	49.9	ug/l	961176	4	11.49	962258	50.0
Naphthalene, 1,7-...	16.06	45.5	ug/l	876193	4	11.49	962258	50.0