LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

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\82U070918W.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	132	155	175	rBV	828708	958705	84.37%	10.201%
2	1.564	293	303	313	rVB5	7975	12866	1.13%	0.137%
3	2.825	678	695	709	rBV2	7474	15826	1.39%	0.168%
4	3.002	737	750	766	rVB	11185	22763	2.00%	0.242%
5	4.889	1317	1337	1353	rBV	174676	392487	34.54%	4.176%
6	4.989	1353	1368	1389	rVB	262091	577874	50.85%	6.149%
7	5.313	1453	1469	1490	rBV	186005	394675	34.73%	4.200%
8	5.889	1631	1648	1668	rBV	353265	696447	61.29%	7.411%
9	7.567	2153	2170	2192	rBV	651076	1136329	100.00%	12.091%
10	9.027	2611	2624	2632	rBV3	7205	12227	1.08%	0.130%
11	9.095	2632	2645	2666	rBV	512025	857126	75.43%	9.120%
12	9.445	2744	2754	2768	rVV3	23522	39540	3.48%	0.421%
13	9.654	2808	2819	2831	rBV5	10312	17954	1.58%	0.191%
14	10.226	2986	2997	3009	rBV2	10170	16453	1.45%	0.175%
15	10.310	3011	3023	3054	rBV	513133	843452	74.23%	8.975%
16	11.104	3256	3270	3281	rBV7	11762	23957	2.11%	0.255%
17	11.326	3334	3339	3352	rVB4	7506	12386	1.09%	0.132%
18	11.487	3374	3389	3407	rBV	562407	887546	78.11%	9.444%
19	11.635	3422	3435	3444	rVB	9884	20440	1.80%	0.217%
20	11.693	3444	3453	3465	rBV2	15375	29697	2.61%	0.316%
21	11.783	3474	3481	3489	rVB5	12905	18650	1.64%	0.198%
22	12.123	3580	3587	3596	rVB8	6823	11498	1.01%	0.122%
23	12.255	3619	3628	3635	rBV2	26511	36762	3.24%	0.391%
24	12.300	3635	3642	3653	rVB9	15744	28267	2.49%	0.301%
25	12.358	3653	3660	3667	rBV	20740	36812	3.24%	0.392%
26	12.503	3694	3705	3710	rBV3	11824	21172	1.86%	0.225%
27	12.541	3711	3717	3726	rVB2	21530	32561	2.87%	0.346%
28	12.654	3734	3752	3765	rBV2	37810	83279	7.33%	0.886%
29	12.789	3785	3794	3802	rBV4	11956	19895	1.75%	0.212%
30	12.879	3817	3822	3831	rVV2	9826	13948	1.23%	0.148%
31	13.001	3857	3860	3872	rVB4	9651	13635	1.20%	0.145%
32	13.082	3873	3885	3886	rBV4	11228	16068	1.41%	0.171%
33	13.123	3889	3898	3910	rVB2	104155	169426	14.91%	1.803%
34	13.262	3929	3941	3949	rBV4	13415	31149	2.74%	0.331%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

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\82U070918W.M
Title : SW846 8260

35	13.410	3979	3987	3994	rVB10	10217	15122	1.33%	0.161%
36	13.458	3995	4002	4011	rBV3	14099	21909	1.93%	0.233%
37	13.512	4011	4019	4027	rBV2	49473	70275	6.18%	0.748%
38	13.583	4027	4041	4044	rBV5	21685	43298	3.81%	0.461%
39	13.612	4045	4050	4057	rVB2	23740	32419	2.85%	0.345%
40	13.734	4076	4088	4097	rBV4	28485	58529	5.15%	0.623%
41	13.789	4098	4105	4117	rVB3	22773	41265	3.63%	0.439%
42	13.856	4117	4126	4140	rBV3	19268	35995	3.17%	0.383%
43	13.956	4147	4157	4168	rBV5	35781	75638	6.66%	0.805%
44	14.017	4170	4176	4187	rVB6	18967	30565	2.69%	0.325%
45	14.155	4211	4219	4226	rBV2	22215	37766	3.32%	0.402%
46	14.274	4248	4256	4265	rVB2	9233	17870	1.57%	0.190%
47	14.339	4266	4276	4289	rBV2	53397	104686	9.21%	1.114%
48	14.480	4312	4320	4330	rVV	36661	61494	5.41%	0.654%
49	14.544	4331	4340	4353	rVB5	44411	88892	7.82%	0.946%
50	14.612	4353	4361	4373	rVB3	14842	22191	1.95%	0.236%
51	14.683	4373	4383	4398	rBV3	66446	134607	11.85%	1.432%
52	14.821	4418	4426	4433	rBV6	21242	34044	3.00%	0.362%
53	14.866	4434	4440	4454	rVV5	21281	43965	3.87%	0.468%
54	14.940	4455	4463	4477	rVB6	23127	51971	4.57%	0.553%
55	15.011	4478	4485	4493	rBV3	18924	29664	2.61%	0.316%
56	15.069	4493	4503	4515	rVV2	83438	166492	14.65%	1.772%
57	15.126	4517	4521	4537	rVB3	13205	25045	2.20%	0.266%
58	15.429	4606	4615	4627	rBV10	11991	23359	2.06%	0.249%
59	15.589	4652	4665	4681	rVB3	40299	90203	7.94%	0.960%
60	15.837	4730	4742	4753	rVB3	22776	49119	4.32%	0.523%
61	16.062	4803	4812	4820	rBV	79867	124930	10.99%	1.329%
62	16.104	4820	4825	4839	rVB5	24811	42277	3.72%	0.450%
63	16.178	4839	4848	4857	rBV4	17527	31588	2.78%	0.336%
64	16.261	4864	4874	4880	rBV2	40537	73907	6.50%	0.786%
65	16.297	4881	4885	4896	rVB2	42947	57222	5.04%	0.609%
66	16.435	4920	4928	4941	rBV2	26807	44603	3.93%	0.475%
67	16.737	5013	5022	5031	rVB9	16435	31794	2.80%	0.338%
68	16.975	5091	5096	5104	rVV3	15524	20623	1.81%	0.219%
69	17.020	5106	5110	5122	rVB2	13493	21872	1.92%	0.233%
70	17.171	5149	5157	5167	rVB2	27208	41013	3.61%	0.436%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

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\82U070918W.M
Title : SW846 8260

Sum of corrected areas: 9398084

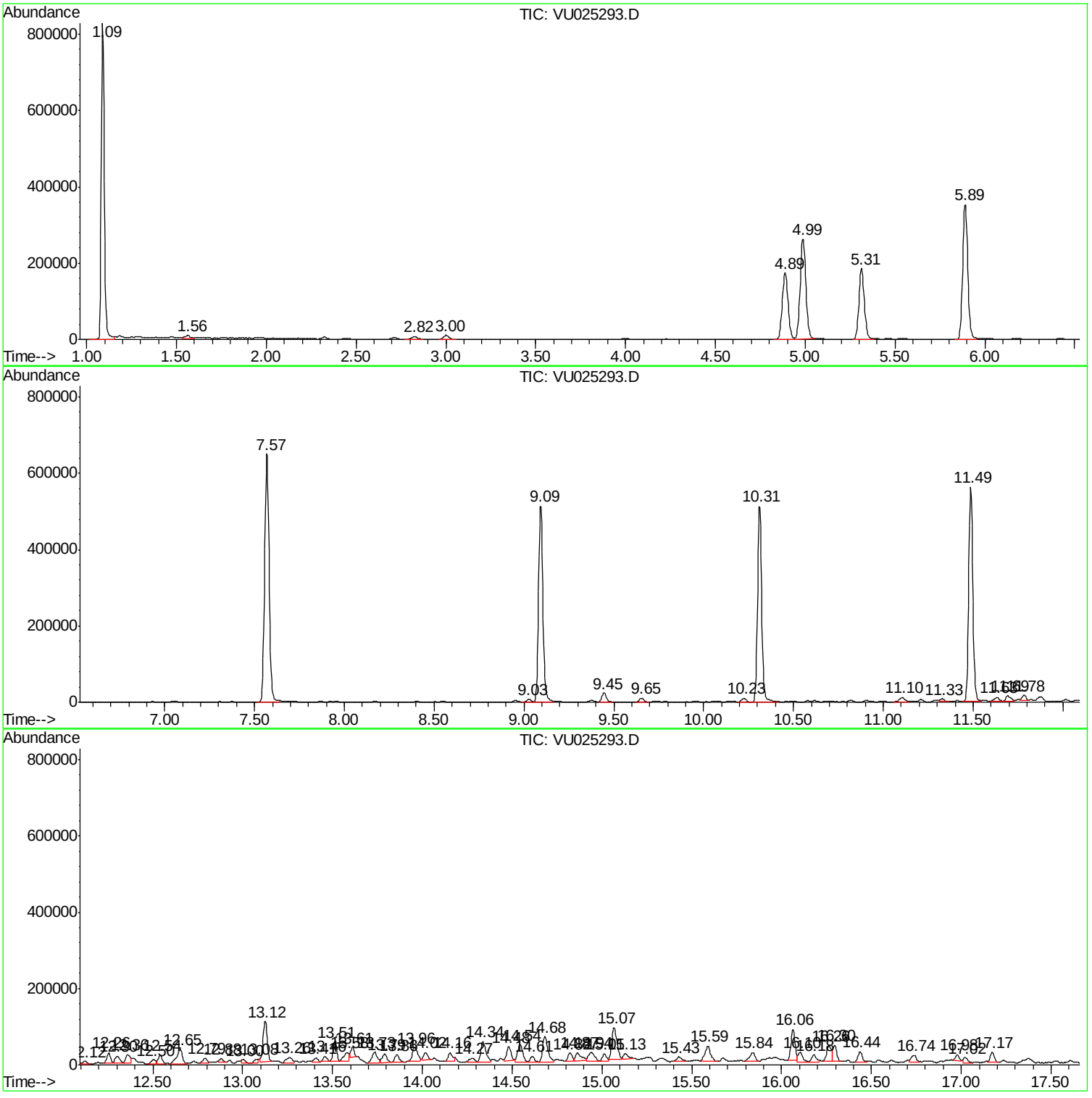
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

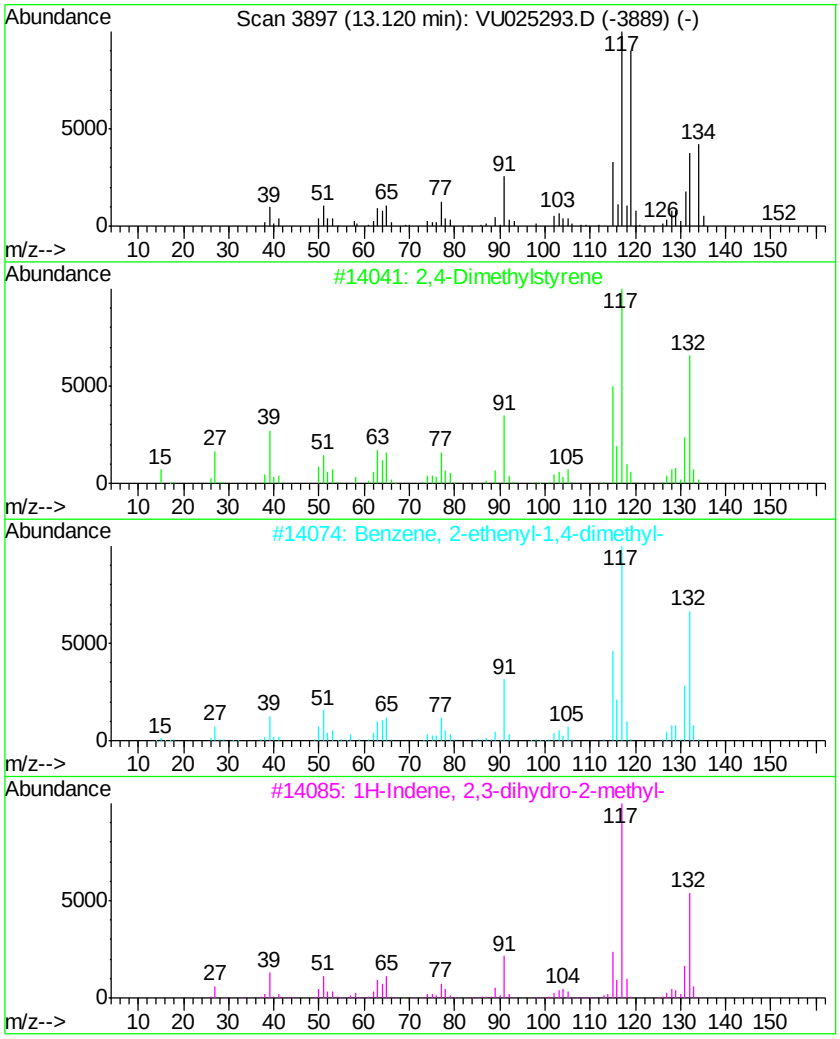
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

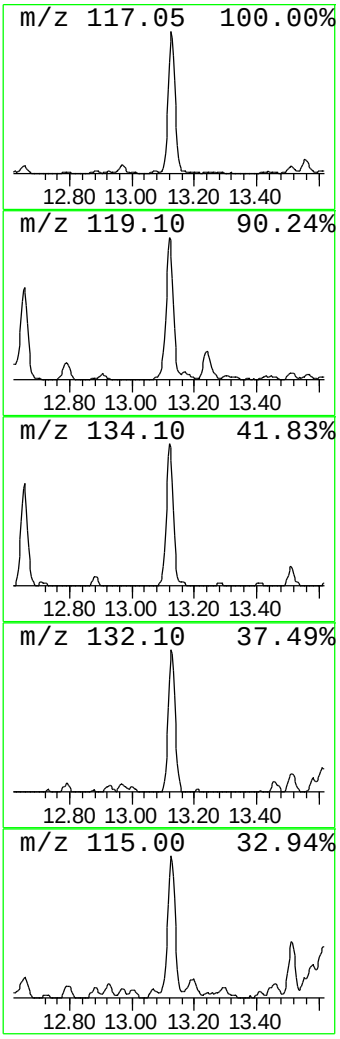
****

Peak Number 2 2,4-Dimethylstyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	9.54 ug/l	169426	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	89
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	55
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

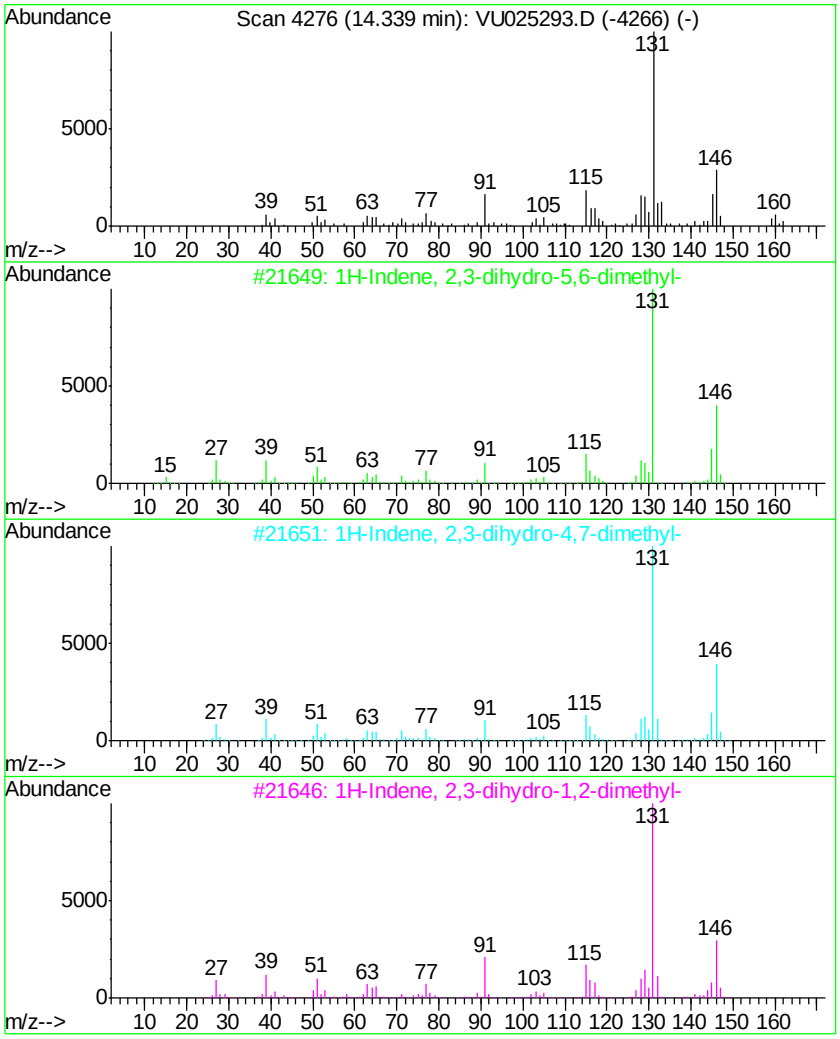
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

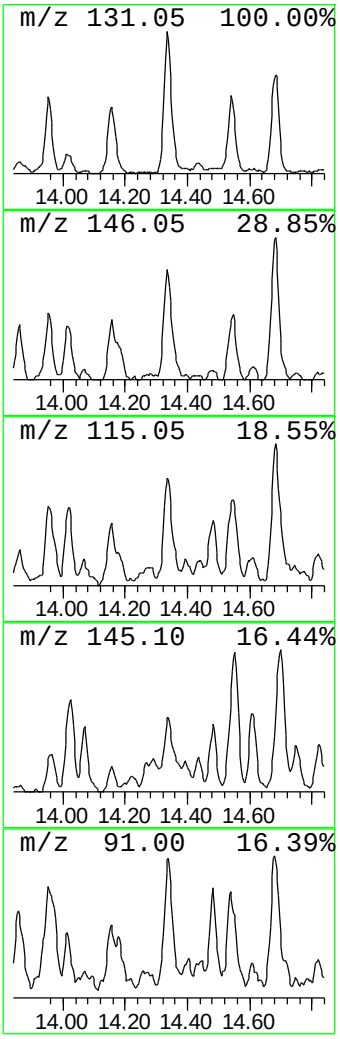
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	5.90 ug/l	104686	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

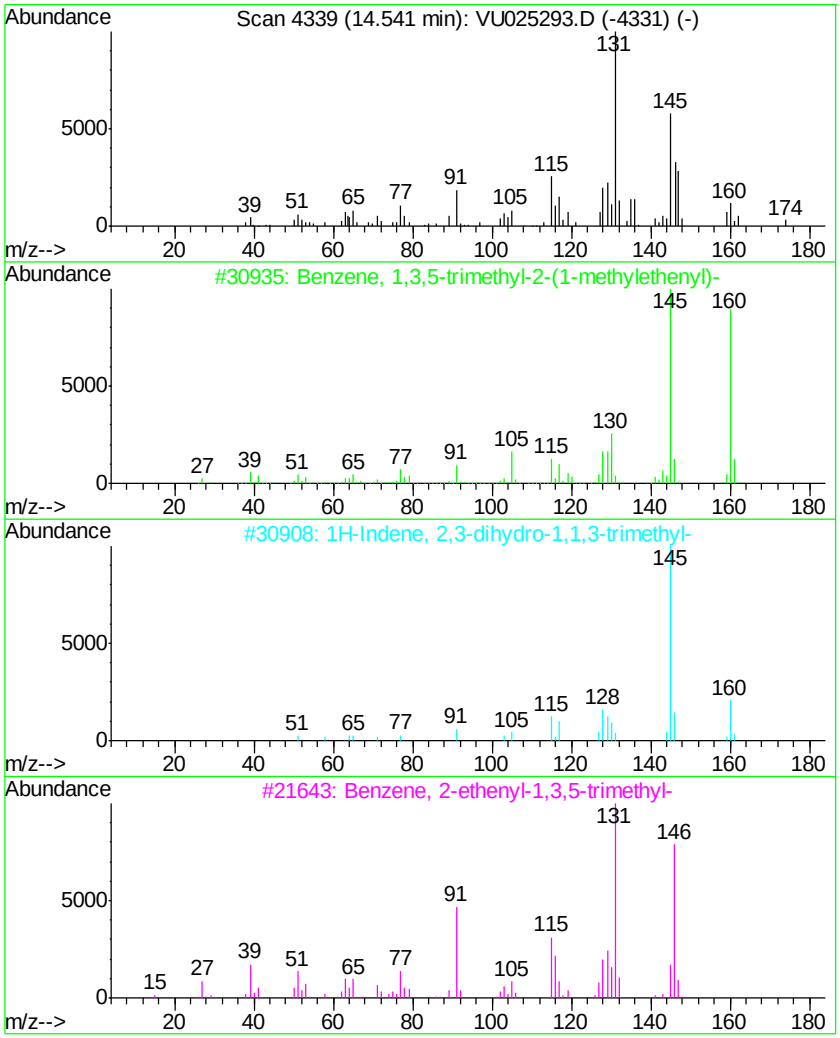
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

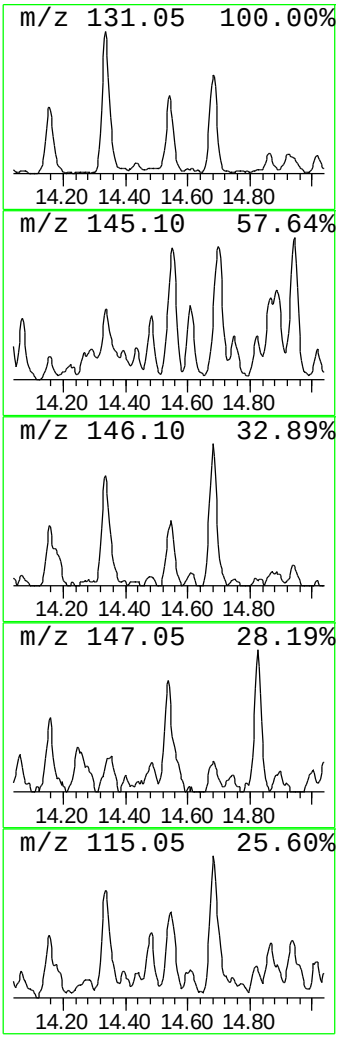
****

Peak Number 4 unknown14.54 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	5.01 ug/l	88892	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	46
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	46
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	46
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	41
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

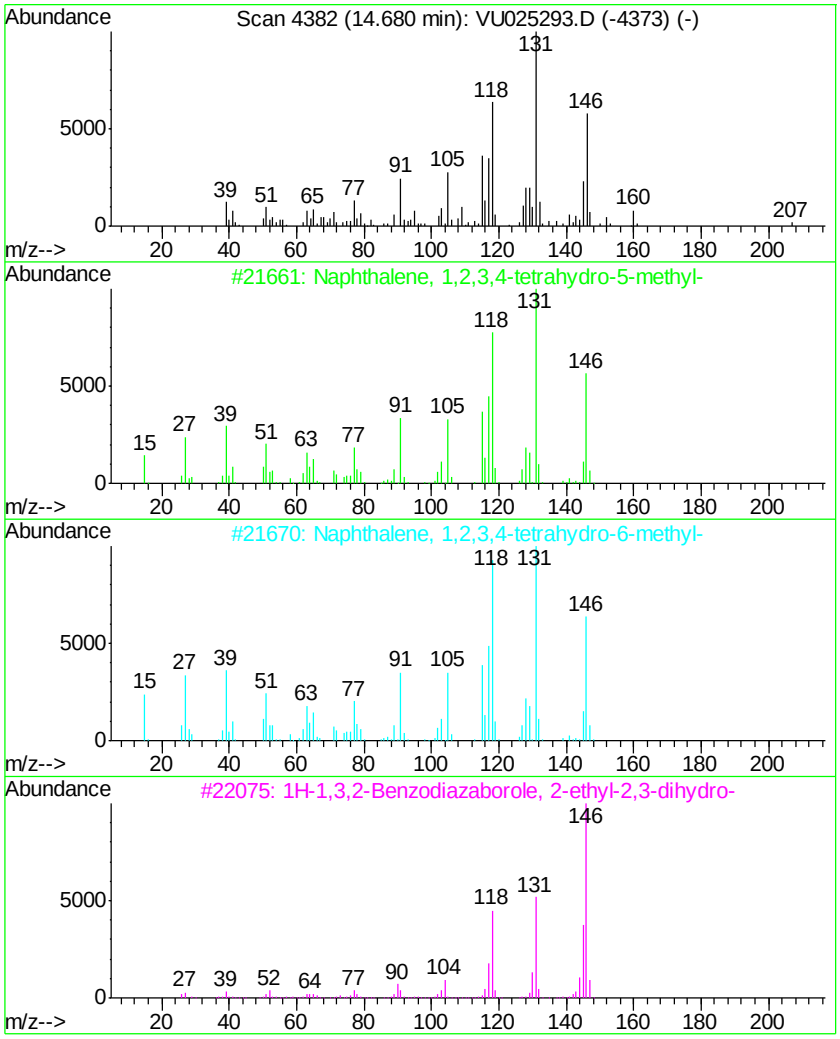
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

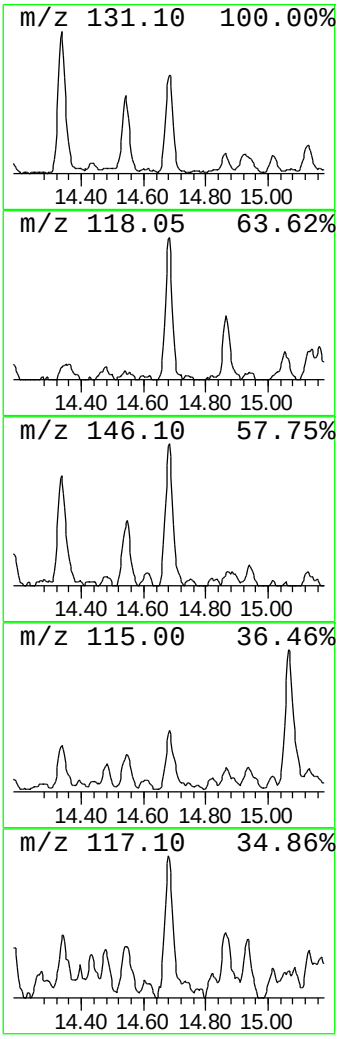
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	7.58 ug/l	134607	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	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	89
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	76
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	58
5	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

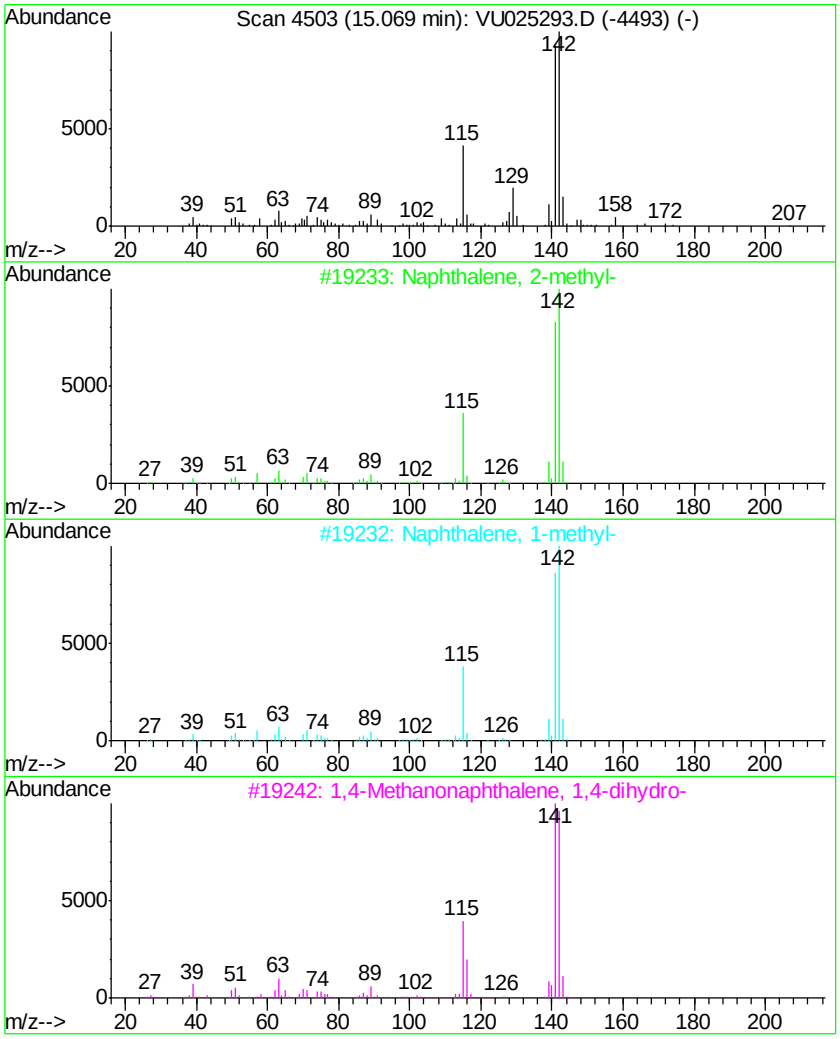
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

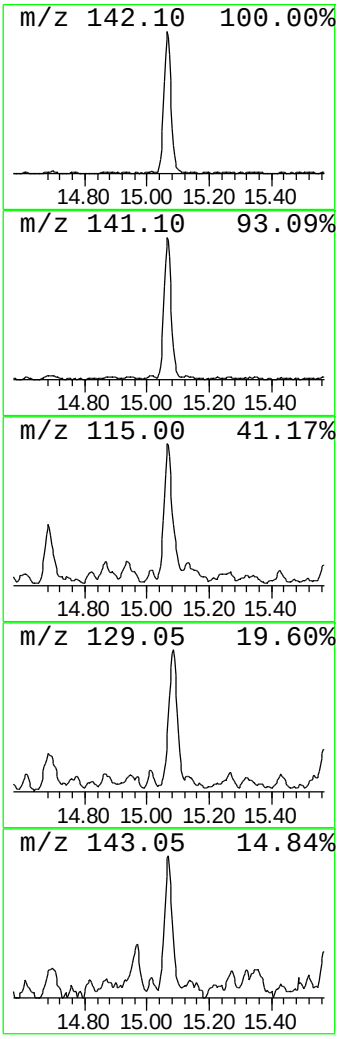
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	9.38 ug/l	166492	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	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	83
4	Benzocycloheptatriene	142	C11H10	000264-09-5	81
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

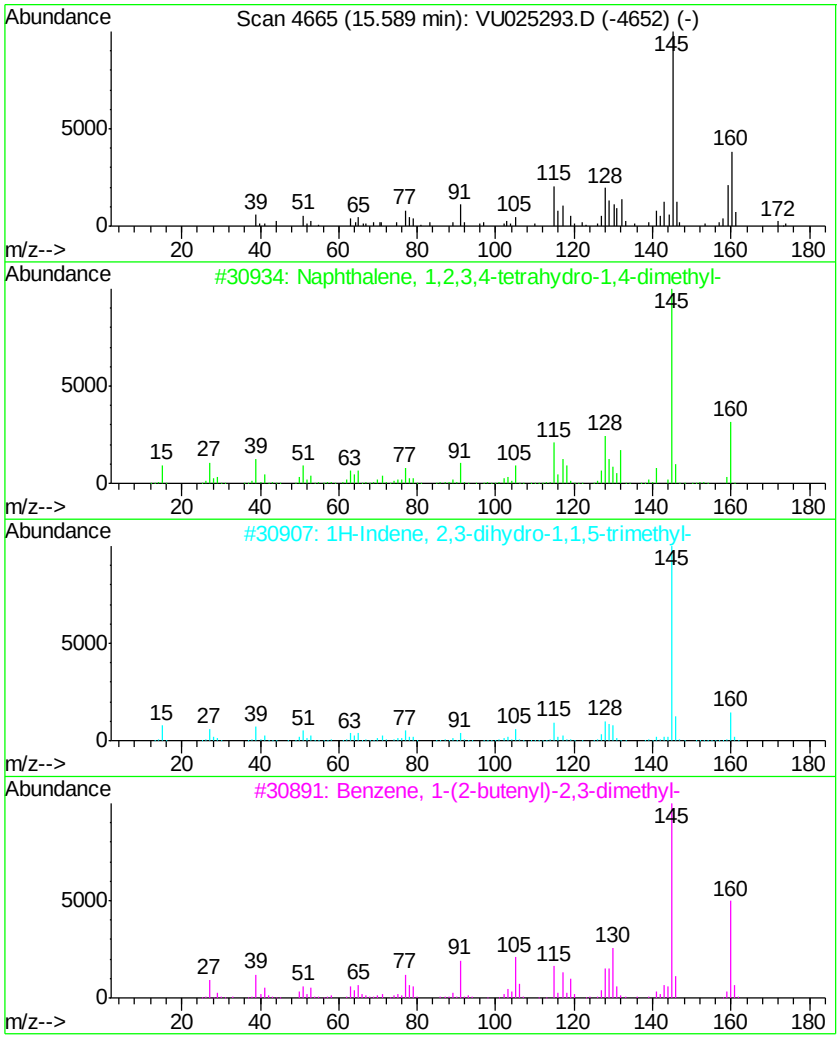
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

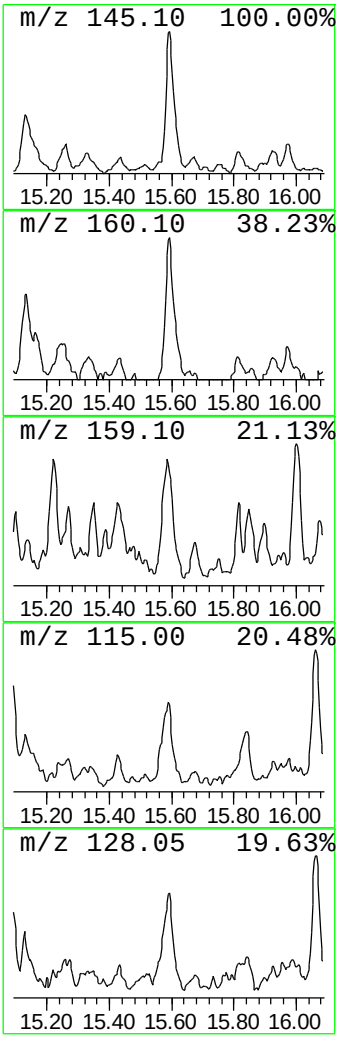
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	5.08 ug/l	90203	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	76
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	76
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	76
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

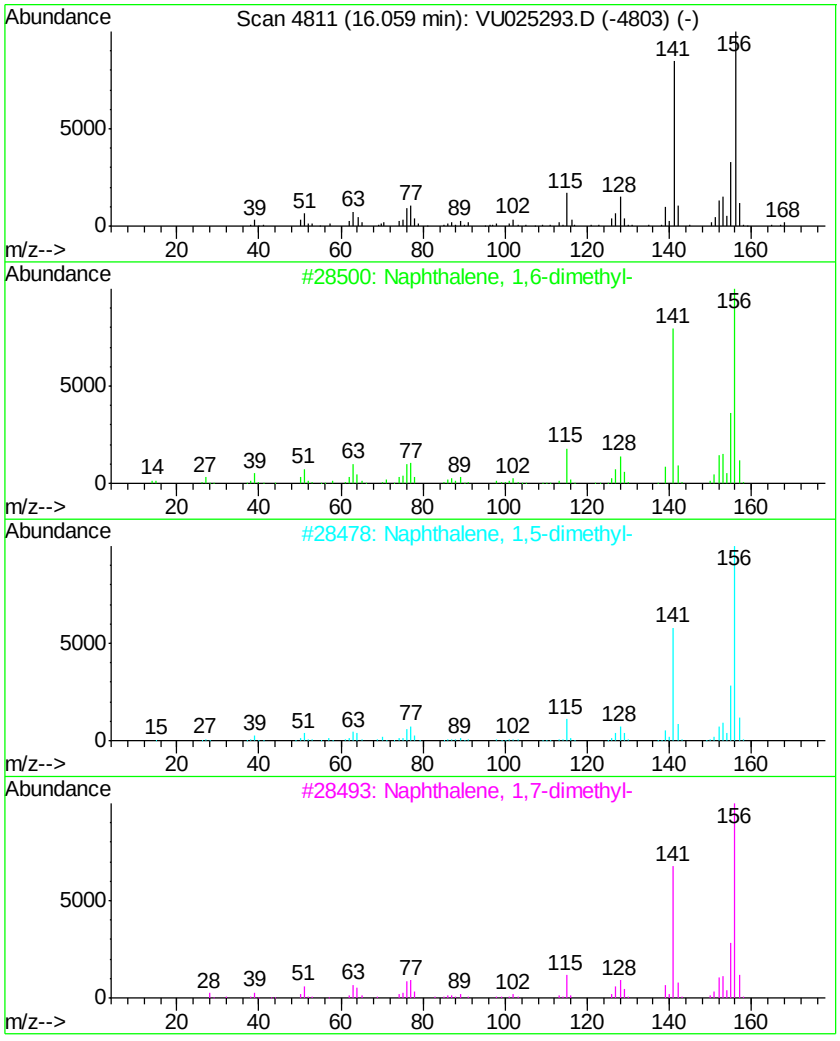
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

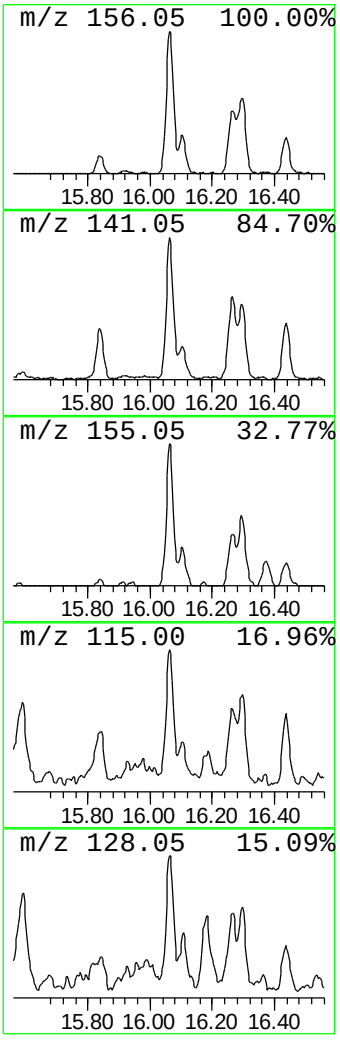
****

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	7.04 ug/l	124930	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025293.D
Acq On : 10 Jul 2018 16:53
Operator : MD/SY
Sample : J3898-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW077-180703

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.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
2,4-Dimethylstyrene	13.12	9.5	ug/l	169426	4	11.49	887546	50.0
1H-Indene, 2,3-di...	14.34	5.9	ug/l	104686	4	11.49	887546	50.0
unknown14.54	14.54	5.0	ug/l	88892	4	11.49	887546	50.0
Naphthalene, 1,2,...	14.68	7.6	ug/l	134607	4	11.49	887546	50.0
Naphthalene, 1-me...	15.07	9.4	ug/l	166492	4	11.49	887546	50.0
Naphthalene, 1,2,...	15.59	5.1	ug/l	90203	4	11.49	887546	50.0
Naphthalene, 1,6-...	16.06	7.0	ug/l	124930	4	11.49	887546	50.0