LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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	139	155	176	rBV	738715	868941	73.87%	9.252%
2	1.407	245	254	265	rBV	49257	53459	4.54%	0.569%
3	2.320	525	538	548	rBV	36107	58858	5.00%	0.627%
4	2.381	548	557	568	rVV	30676	49691	4.22%	0.529%
5	2.442	568	576	589	rVB	11279	17863	1.52%	0.190%
6	2.709	644	659	680	rVB2	37684	77859	6.62%	0.829%
7	3.998	1046	1060	1076	rBV3	6650	18407	1.56%	0.196%
8	4.233	1115	1133	1151	rBV2	21603	54824	4.66%	0.584%
9	4.889	1319	1337	1353	rBV	180960	409827	34.84%	4.364%
10	4.989	1353	1368	1388	rVB	268103	587962	49.98%	6.261%
11	5.313	1442	1469	1486	rBV	193956	414131	35.21%	4.410%
12	5.400	1489	1496	1511	rVB3	6966	14841	1.26%	0.158%
13	5.542	1524	1540	1561	rVB3	37091	91904	7.81%	0.979%
14	5.889	1633	1648	1673	rBV	361923	724164	61.56%	7.711%
15	6.931	1958	1972	1988	rVB	21873	43544	3.70%	0.464%
16	7.053	1996	2010	2025	rBV2	70687	143921	12.24%	1.532%
17	7.570	2148	2171	2191	rBV	669413	1176295	100.00%	12.525%
18	7.715	2207	2216	2231	rVB6	5697	12029	1.02%	0.128%
19	9.095	2632	2645	2651	rBV	530996	945239	80.36%	10.065%
20	9.368	2719	2730	2749	rBV8	12481	26327	2.24%	0.280%
21	9.750	2839	2849	2859	rVB3	24869	43442	3.69%	0.463%
22	9.905	2888	2897	2906	rBV7	8548	16061	1.37%	0.171%
23	10.046	2930	2941	2948	rBV4	11042	19559	1.66%	0.208%
24	10.120	2958	2964	2976	rVB6	7833	13742	1.17%	0.146%
25	10.226	2982	2997	3007	rBV9	18094	46428	3.95%	0.494%
26	10.310	3012	3023	3036	rVV	506491	800518	68.05%	8.524%
27	10.377	3036	3044	3052	rVB3	32485	54538	4.64%	0.581%
28	10.451	3062	3067	3075	rVB4	14690	22505	1.91%	0.240%
29	10.699	3135	3144	3155	rBV4	15216	27005	2.30%	0.288%
30	10.773	3156	3167	3174	rBV8	11782	21410	1.82%	0.228%
31	10.866	3187	3196	3210	rVB10	8620	21807	1.85%	0.232%
32	10.985	3228	3233	3247	rVB10	8575	16482	1.40%	0.175%
33	11.101	3262	3269	3277	rVB3	31272	50180	4.27%	0.534%
34	11.152	3277	3285	3295	rVB4	12898	19837	1.69%	0.211%

LSC Area Percent Report

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Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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	11.284	3312	3326	3335	rBV5	32586	79488	6.76%	0.846%
36	11.323	3336	3338	3353	rVB3	17989	23842	2.03%	0.254%
37	11.419	3358	3368	3378	rBV3	7950	16203	1.38%	0.173%
38	11.487	3378	3389	3405	rBV	572940	934298	79.43%	9.948%
39	11.609	3419	3427	3440	rVB2	12989	25904	2.20%	0.276%
40	11.692	3441	3453	3467	rVB	118544	185116	15.74%	1.971%
41	11.783	3470	3481	3493	rBV5	13443	23081	1.96%	0.246%
42	11.879	3497	3511	3524	rVB5	17630	50380	4.28%	0.536%
43	12.008	3542	3551	3562	rBV7	6909	12833	1.09%	0.137%
44	12.120	3577	3586	3590	rBV8	8308	13269	1.13%	0.141%
45	12.252	3616	3627	3633	rVV4	20666	37137	3.16%	0.395%
46	12.300	3633	3642	3653	rVB2	96793	161995	13.77%	1.725%
47	12.361	3653	3661	3678	rBV4	27342	63340	5.38%	0.674%
48	12.438	3678	3685	3694	rVB2	37813	58334	4.96%	0.621%
49	12.500	3694	3704	3710	rBV	64539	104354	8.87%	1.111%
50	12.541	3710	3717	3733	rVB	118805	191172	16.25%	2.036%
51	12.625	3733	3743	3748	rBV	39800	64989	5.52%	0.692%
52	12.792	3786	3795	3807	rVB2	42745	68354	5.81%	0.728%
53	12.927	3829	3837	3845	rBV	10845	15713	1.34%	0.167%
54	13.001	3846	3860	3869	rBV2	46412	73019	6.21%	0.777%
55	13.075	3874	3883	3890	rVV3	17723	28556	2.43%	0.304%
56	13.127	3891	3899	3911	rVB2	19731	31401	2.67%	0.334%
57	13.194	3912	3920	3930	rVB8	6834	11778	1.00%	0.125%
58	13.262	3930	3941	3950	rBV4	20955	35065	2.98%	0.373%
59	13.461	3995	4003	4011	rVB4	18092	27427	2.33%	0.292%
60	13.516	4011	4020	4025	rBV4	10527	13619	1.16%	0.145%
61	13.561	4025	4034	4038	rBV4	10354	16146	1.37%	0.172%
62	13.737	4080	4089	4098	rBV7	7770	14439	1.23%	0.154%
63	15.069	4491	4503	4516	rBV2	25677	46695	3.97%	0.497%

Sum of corrected areas: 9391547

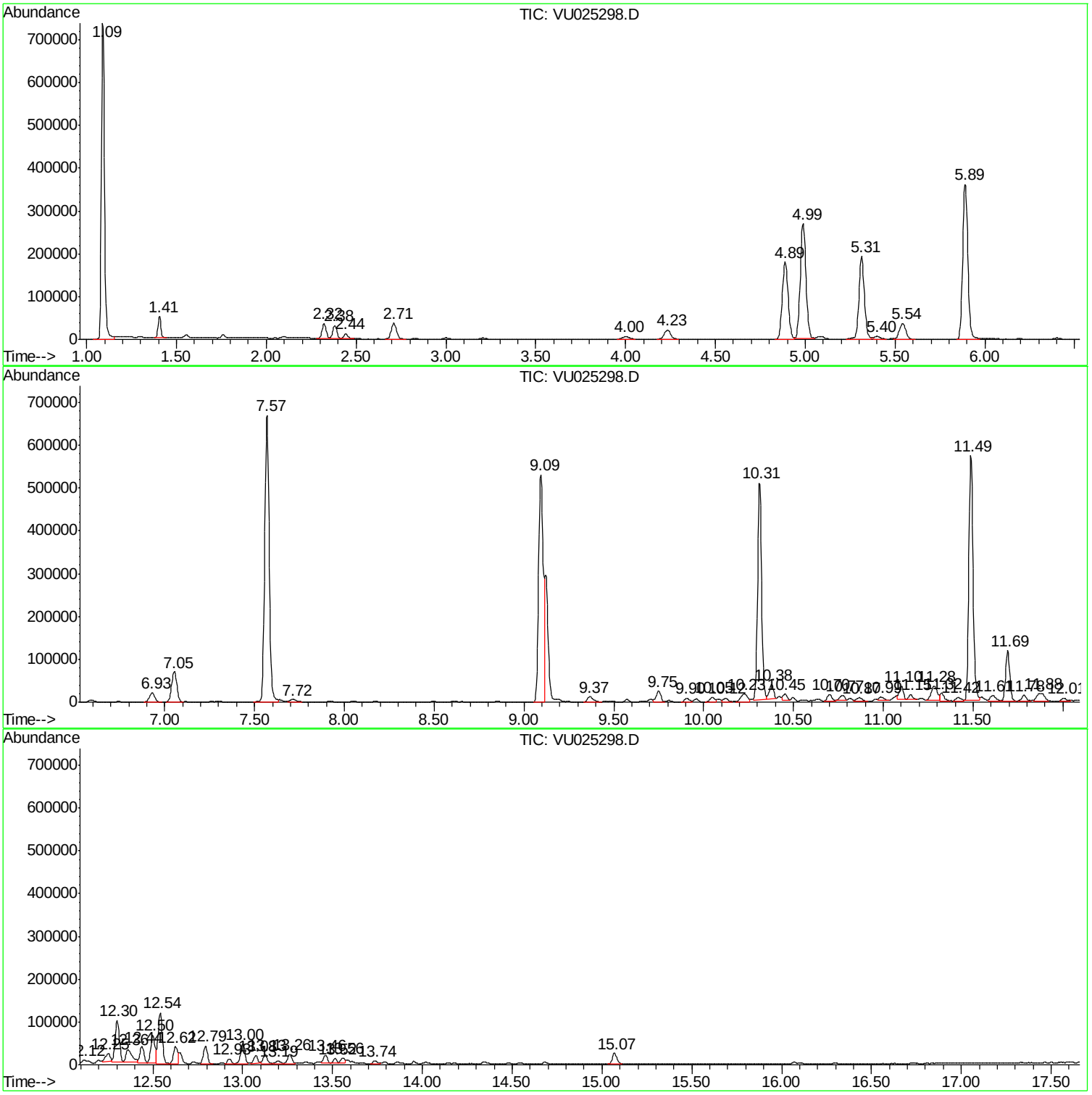
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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 : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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

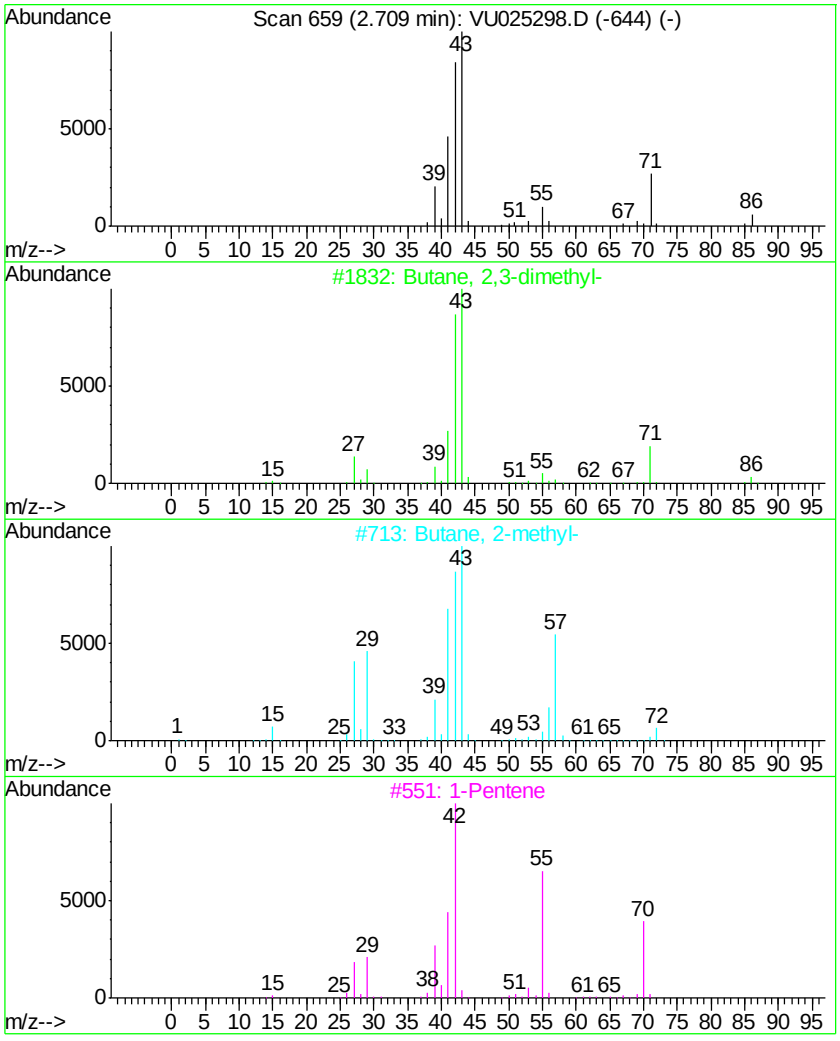
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

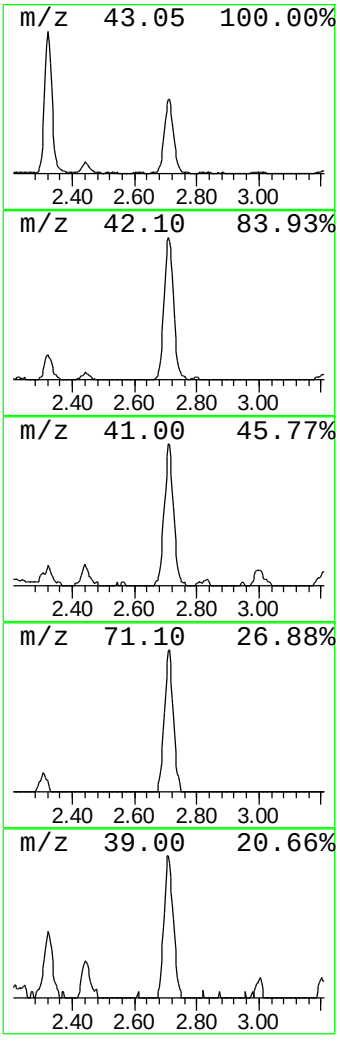
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	6.62 ug/l	77859	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	38
3	1-Pentene	70	C5H10	000109-67-1	33
4	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	12
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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

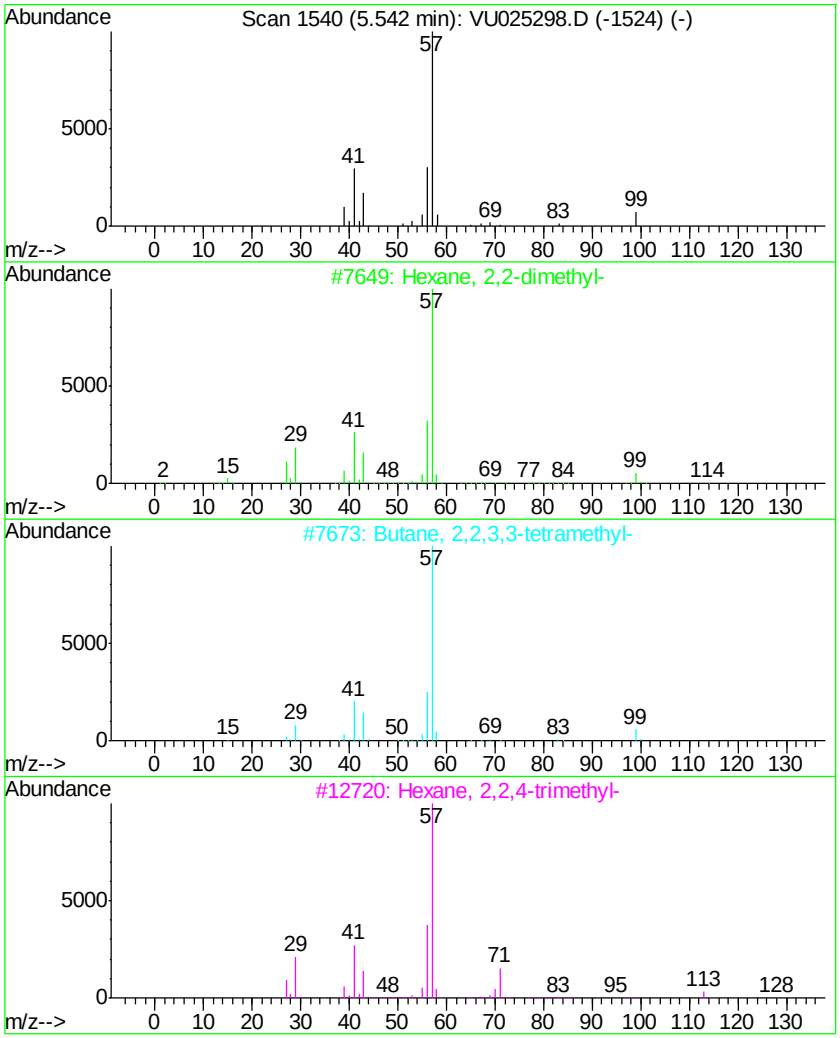
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

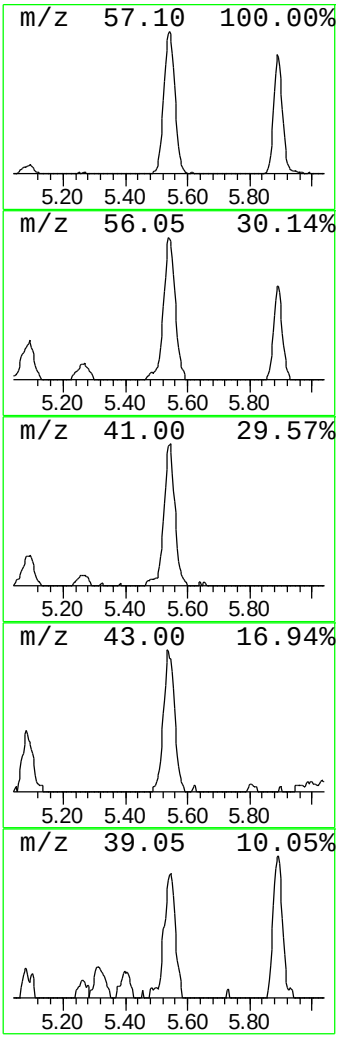
****

Peak Number 3 Hexane, 2,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	6.35 ug/l	91904	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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

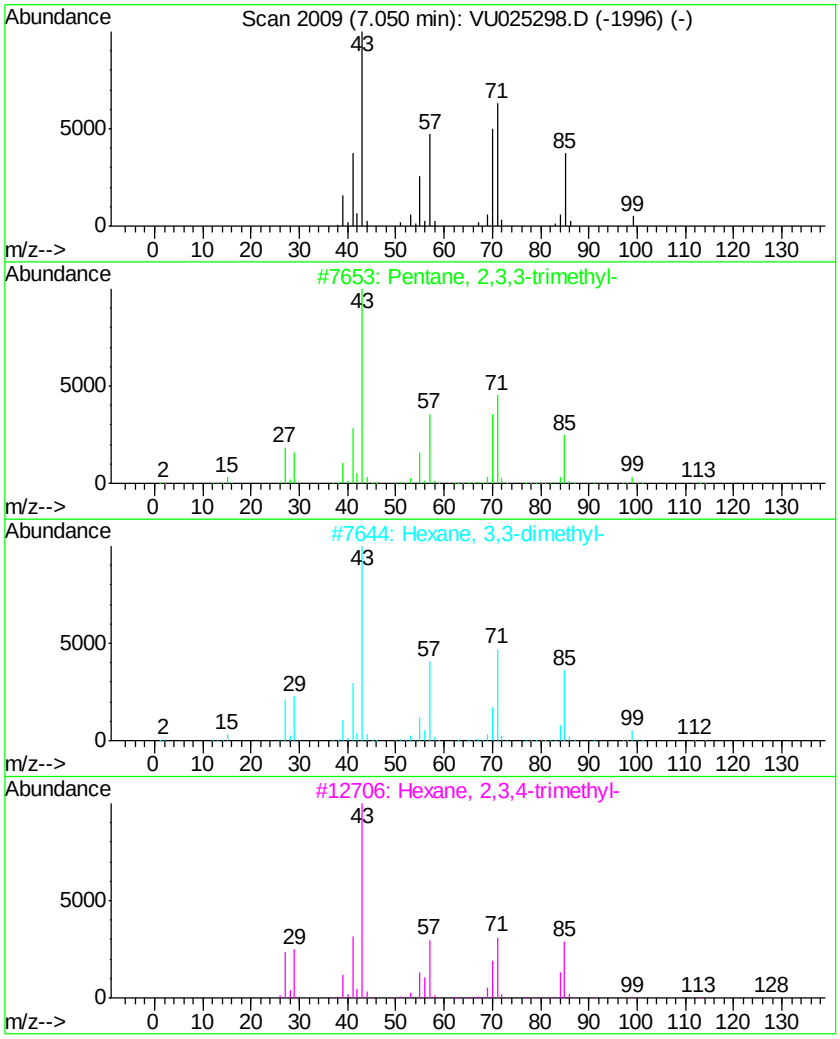
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

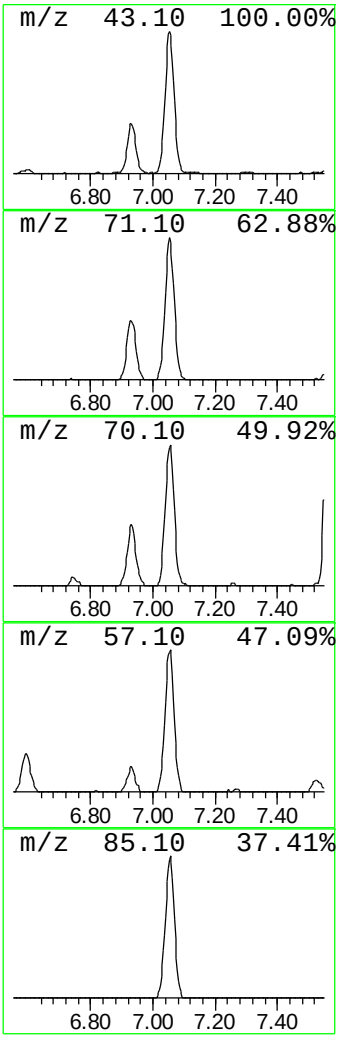
****

Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	9.94 ug/l	143921	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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

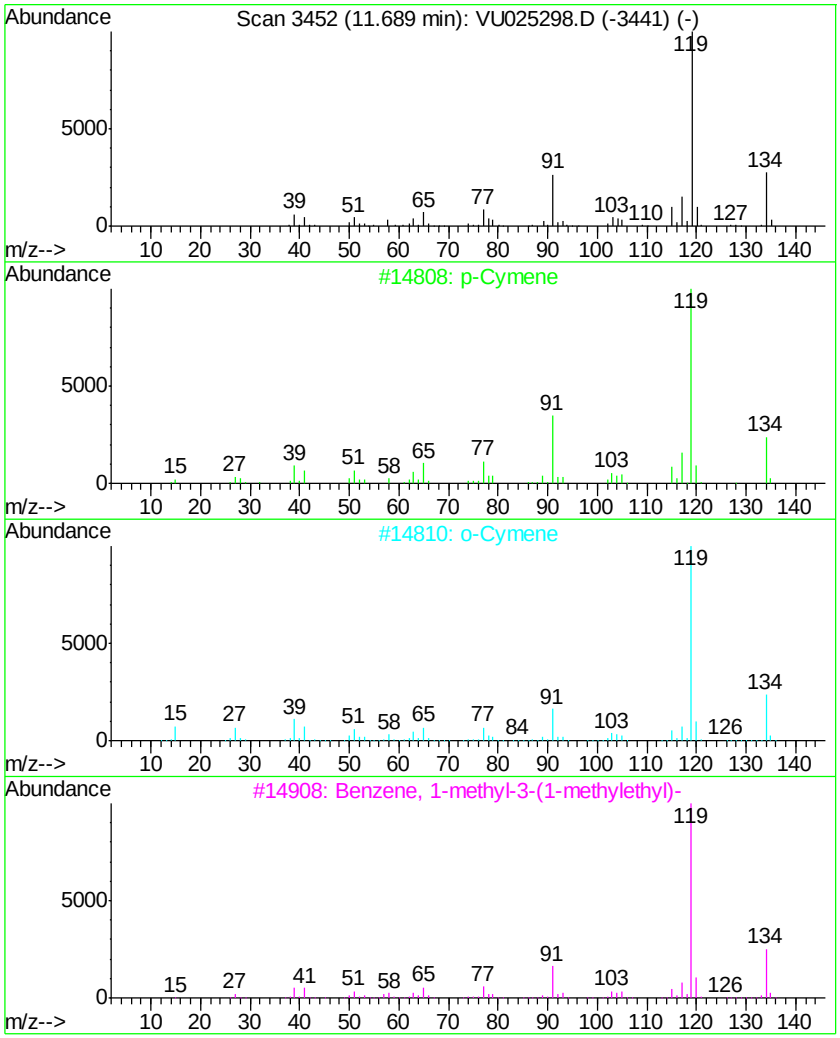
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

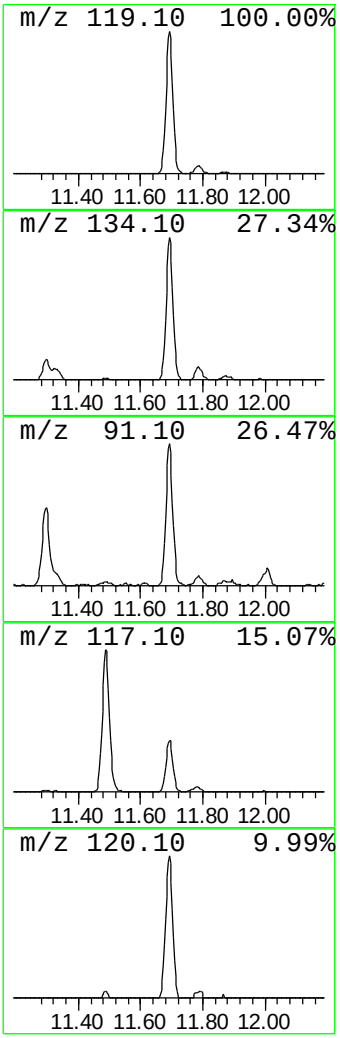
****

Peak Number 5 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	9.91 ug/l	185116	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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

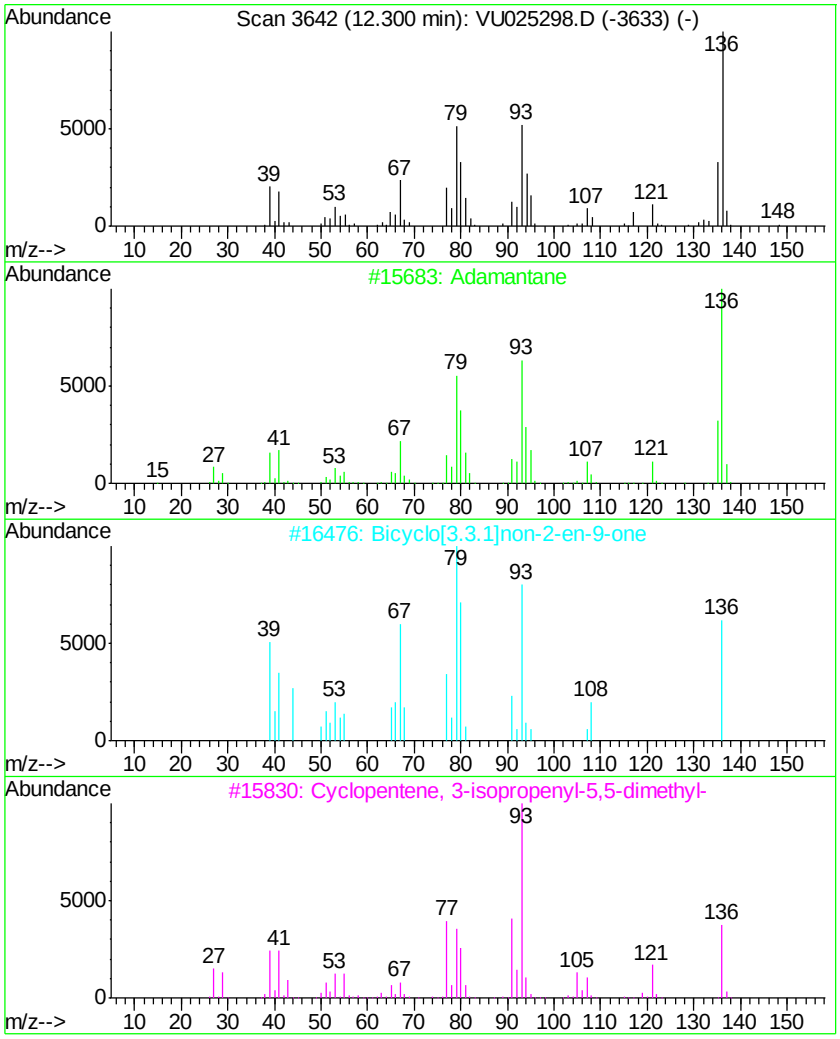
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

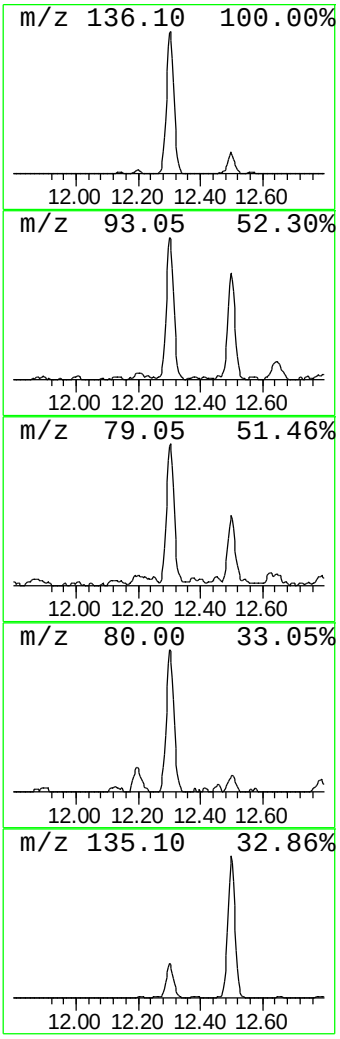
****

Peak Number 6 Adamantane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	8.67 ug/l	161995	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	98
2	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	64
3	Cyclopentene, 3-isopropenyl-5,5-...	136	C10H16	1000162-25-4	47
4	1,4-Benzenediamine, N,N-dimethyl-	136	C8H12N2	000099-98-9	47
5	1-(6-Methyl-2-pyrazinyl)-1-ethanone	136	C7H8N2O	022047-26-3	43





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

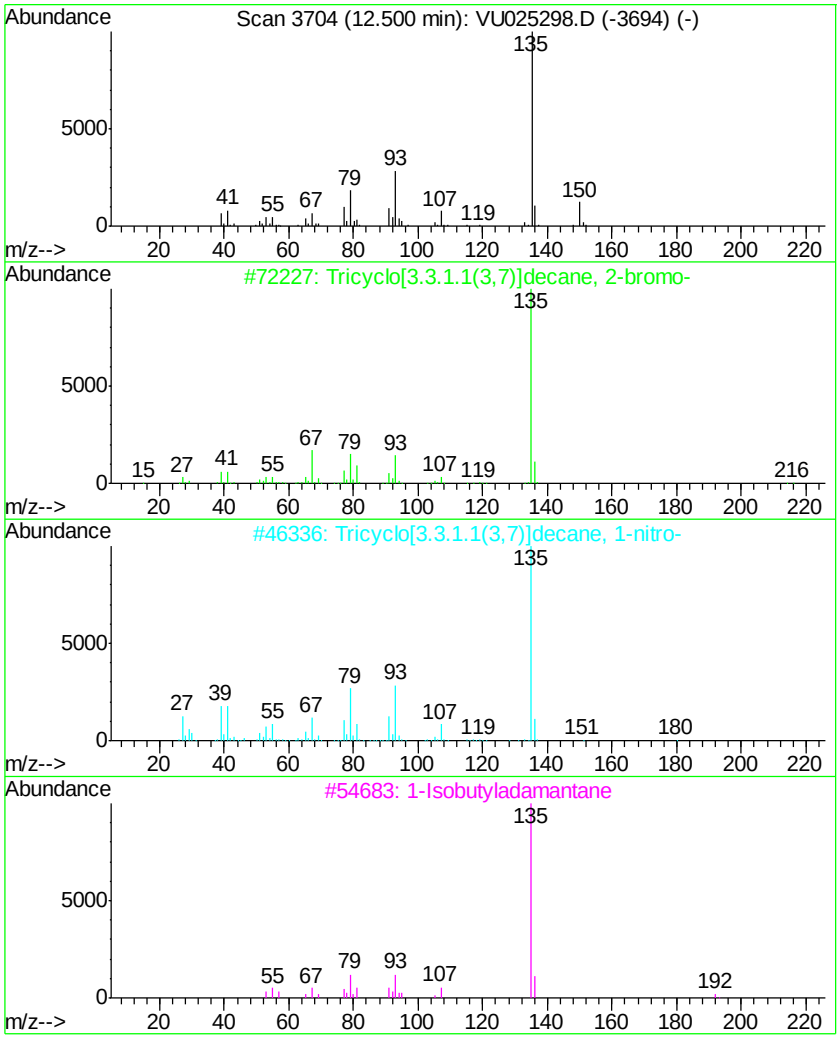
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

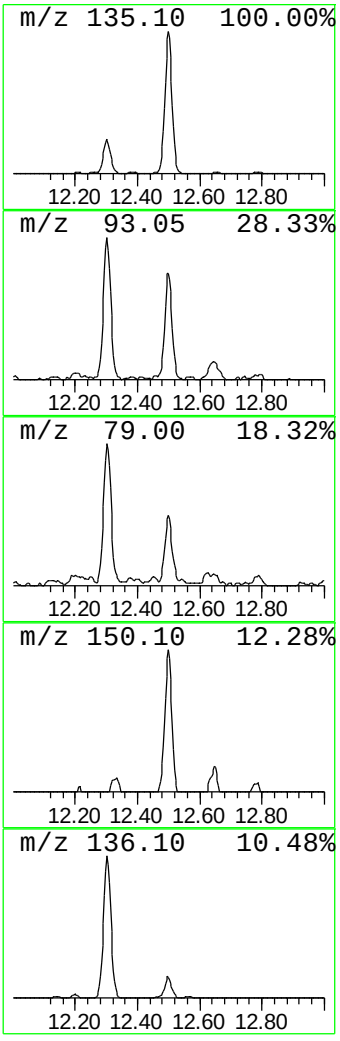
****

Peak Number 7 Tricyclo[3.3.1.1(3,7)]decan... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	5.58 ug/l	104354	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)]decane, 2-...	214	C10H15Br	007314-85-4	86
2	Tricyclo[3.3.1.1(3,7)]decane, 1-...	181	C10H15NO2	007575-82-8	78
3	1-Isobutyladamantane	192	C14H24	027364-16-5	72
4	Phosphonic dichloride, 1-adamantyl-	252	C10H15Cl2OP	1000294-15-7	72
5	Heptafluorobutanoic acid, 1-adam...	362	C15H17F7O2	1000282-96-9	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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

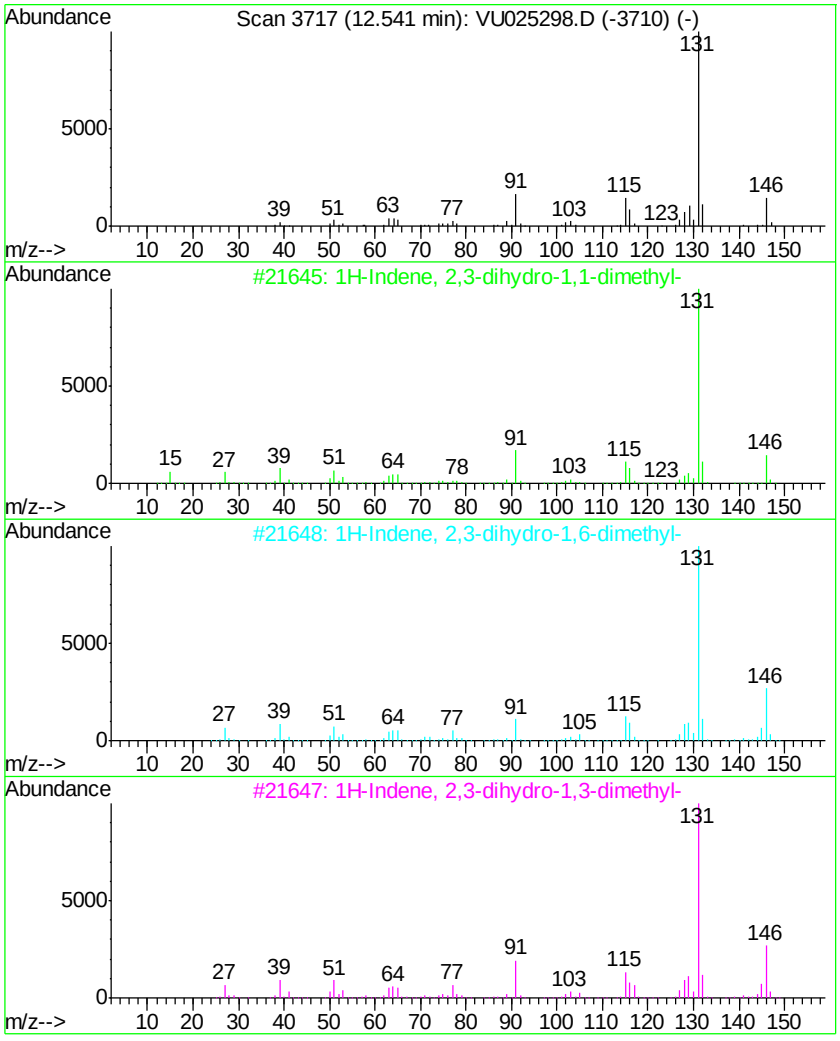
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

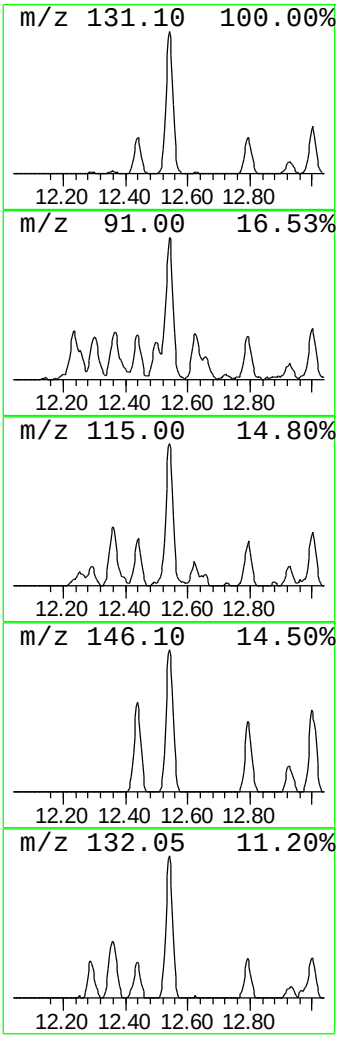
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	10.23 ug/l	191172	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025298.D
Acq On : 10 Jul 2018 18:55
Operator : MD/SY
Sample : J3898-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038RW016-180704

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
Butane, 2,3-dimet...	2.71	6.6	ug/l	77859	1	4.99	587962	50.0
Hexane, 2,2-dimet...	5.54	6.3	ug/l	91904	2	5.89	724164	50.0
Pentane, 2,3,3-tr...	7.05	9.9	ug/l	143921	2	5.89	724164	50.0
p-Cymene	11.69	9.9	ug/l	185116	4	11.49	934298	50.0
Adamantane	12.30	8.7	ug/l	161995	4	11.49	934298	50.0
Tricyclo[3.3.1.1(...	12.50	5.6	ug/l	104354	4	11.49	934298	50.0
1H-Indene, 2,3-di...	12.54	10.2	ug/l	191172	4	11.49	934298	50.0