LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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	1.089	136	155	180	rBV	833235	987584	21.28%	5.406%
2	1.404	246	253	269	rVB	149061	156285	3.37%	0.856%
3	1.757	354	363	376	rVB	42578	58608	1.26%	0.321%
4	2.709	644	659	679	rBV2	71481	153387	3.30%	0.840%
5	4.002	1041	1061	1079	rBV4	20903	60009	1.29%	0.328%
6	4.230	1112	1132	1158	rBV2	127349	312183	6.73%	1.709%
7	4.886	1320	1336	1352	rBV	177934	406222	8.75%	2.224%
8	4.989	1353	1368	1385	rVV	275043	619474	13.35%	3.391%
9	5.085	1387	1398	1418	rVB3	28160	68936	1.49%	0.377%
10	5.314	1456	1469	1483	rBV	187520	383514	8.26%	2.099%
11	5.394	1483	1494	1511	rVB	56345	121548	2.62%	0.665%
12	5.542	1525	1540	1558	rVB3	137419	335265	7.22%	1.835%
13	5.892	1632	1649	1674	rBV	359975	718350	15.48%	3.932%
14	6.931	1956	1972	1990	rVB3	72395	144935	3.12%	0.793%
15	7.053	1993	2010	2025	rBV	167425	339512	7.31%	1.859%
16	7.567	2146	2170	2188	rBV	662722	1198549	25.82%	6.561%
17	9.124	2632	2654	2671	rBV2	2289652	4641817	100.00%	25.410%
18	9.751	2827	2849	2859	rBV5	32813	86158	1.86%	0.472%
19	9.956	2906	2913	2929	rVB3	37255	63744	1.37%	0.349%
20	10.050	2931	2942	2959	rBV6	26968	63003	1.36%	0.345%
21	10.169	2970	2979	2988	rBV	90414	137178	2.96%	0.751%
22	10.226	2988	2997	3008	rVB7	26607	54484	1.17%	0.298%
23	10.310	3012	3023	3036	rBV	514786	820801	17.68%	4.493%
24	10.381	3036	3045	3054	rVV4	41499	70702	1.52%	0.387%
25	10.500	3074	3082	3091	rVB3	37368	56457	1.22%	0.309%
26	10.982	3217	3232	3249	rBV4	58755	119579	2.58%	0.655%
27	11.101	3250	3269	3278	rBV	90784	154295	3.32%	0.845%
28	11.294	3312	3329	3334	rBV	151225	268394	5.78%	1.469%
29	11.326	3334	3339	3355	rVB	151011	234630	5.05%	1.284%
30	11.487	3377	3389	3406	rBV	584009	962440	20.73%	5.269%
31	11.689	3441	3452	3466	rVB	341384	539525	11.62%	2.953%
32	11.779	3466	3480	3496	rBV3	263195	521125	11.23%	2.853%
33	11.870	3496	3508	3524	rVB7	61372	138710	2.99%	0.759%
34	11.985	3535	3544	3558	rBV5	28810	57246	1.23%	0.313%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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	12.249	3615	3626	3630	rBV5	23716	48474	1.04%	0.265%
36	12.294	3631	3640	3650	rVV3	222502	399682	8.61%	2.188%
37	12.358	3650	3660	3679	rVV2	646574	1247650	26.88%	6.830%
38	12.439	3679	3685	3695	rVB2	70004	105374	2.27%	0.577%
39	12.500	3695	3704	3709	rBV	53003	87469	1.88%	0.479%
40	12.541	3709	3717	3732	rVB	275864	430096	9.27%	2.354%
41	12.625	3733	3743	3764	rVB4	96474	208805	4.50%	1.143%
42	12.792	3782	3795	3808	rVB2	92635	159340	3.43%	0.872%
43	12.927	3827	3837	3845	rBV2	69524	103920	2.24%	0.569%
44	13.001	3853	3860	3869	rVB	68789	103724	2.23%	0.568%
45	13.127	3890	3899	3908	rVB2	34314	53780	1.16%	0.294%
46	13.194	3908	3920	3932	rVB6	40614	78602	1.69%	0.430%
47	13.458	3993	4002	4011	rVB2	32417	52381	1.13%	0.287%
48	13.583	4025	4041	4063	rVB3	44303	133824	2.88%	0.733%

Sum of corrected areas: 18267770

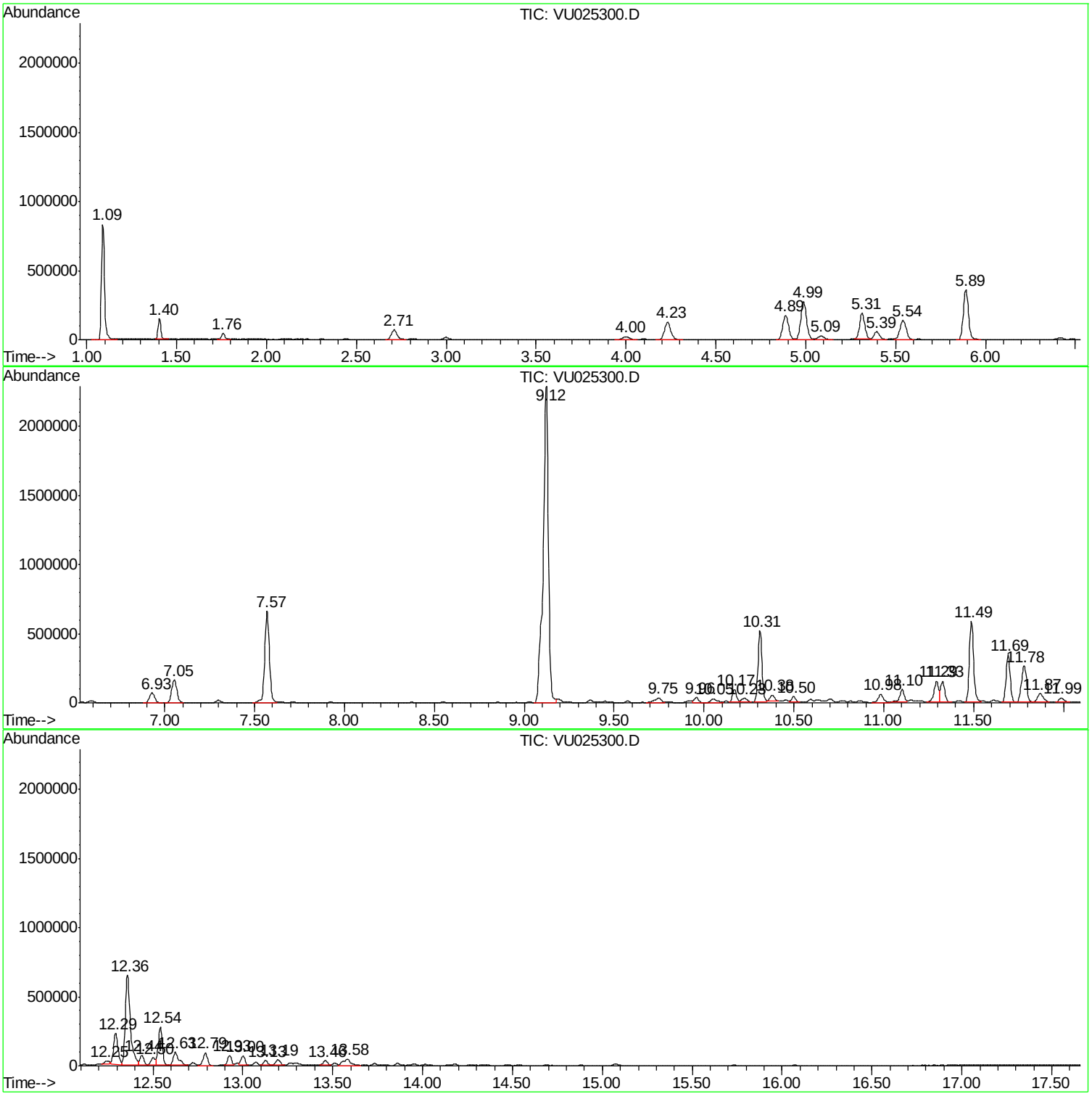
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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 : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

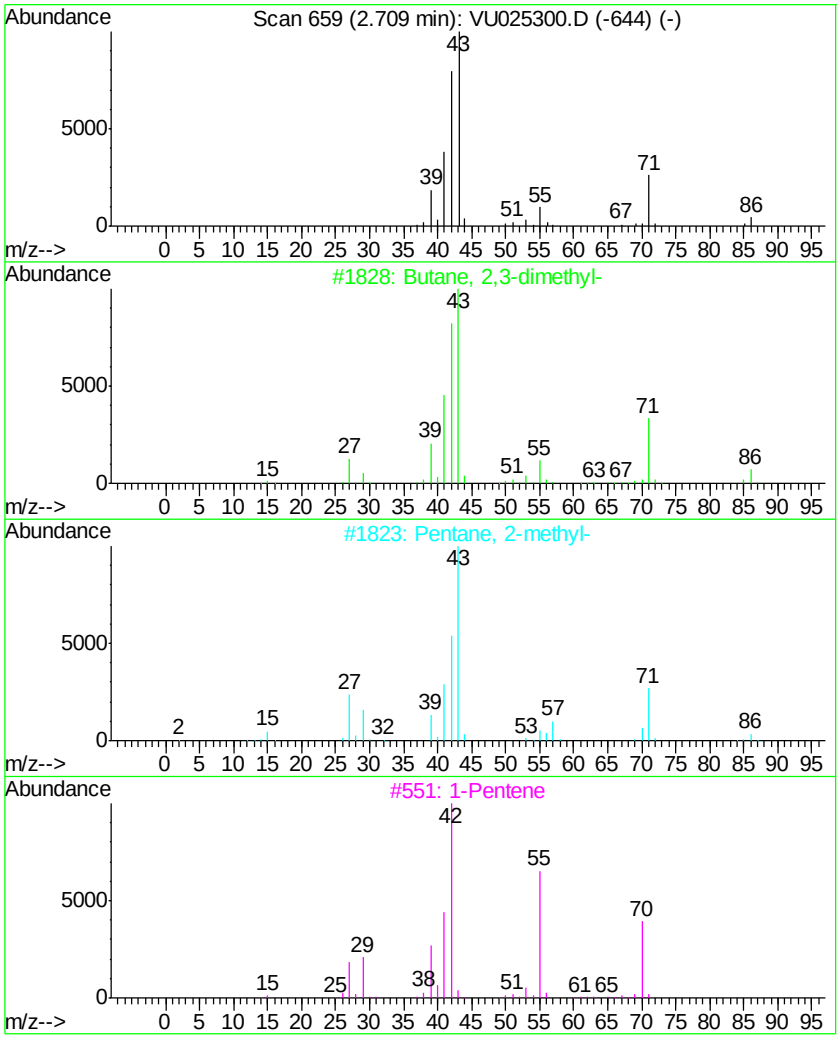
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

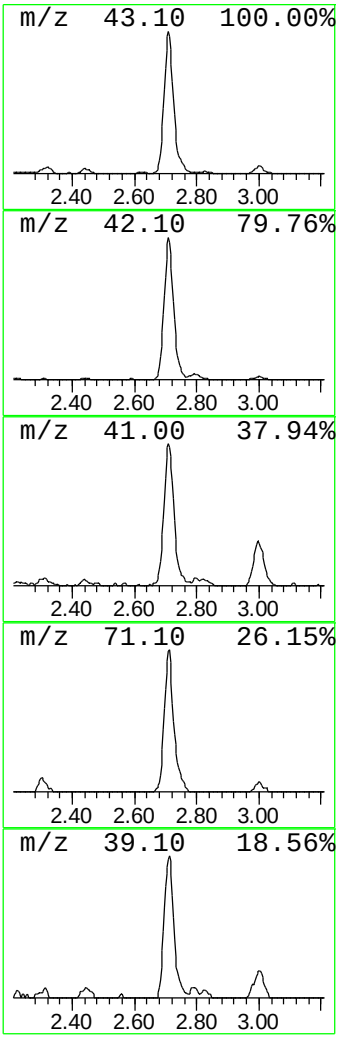
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	12.38 ug/l	153387	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	1-Pentene	70	C5H10	000109-67-1	47
4	Tetrahydrofuran	72	C4H8O	000109-99-9	38
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

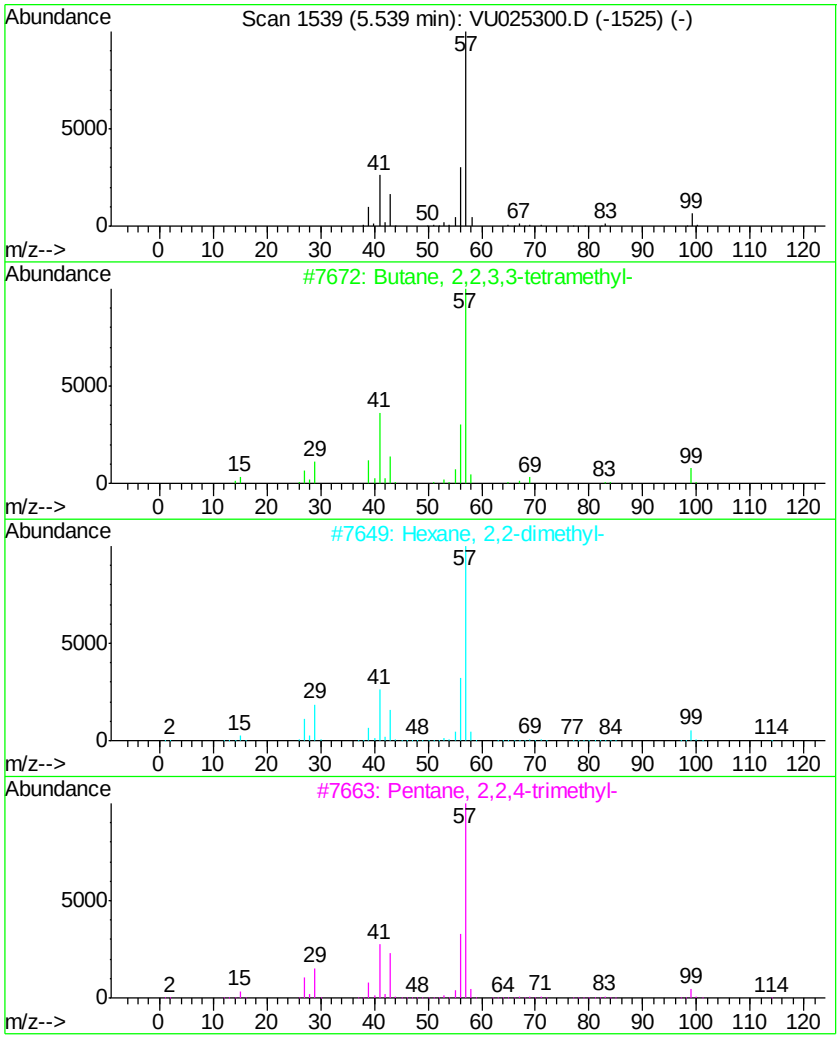
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

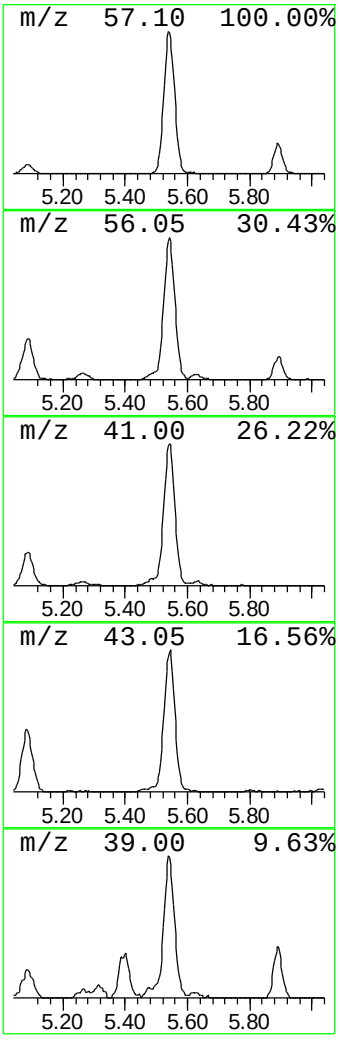
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	23.34 ug/l	335265	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	64
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

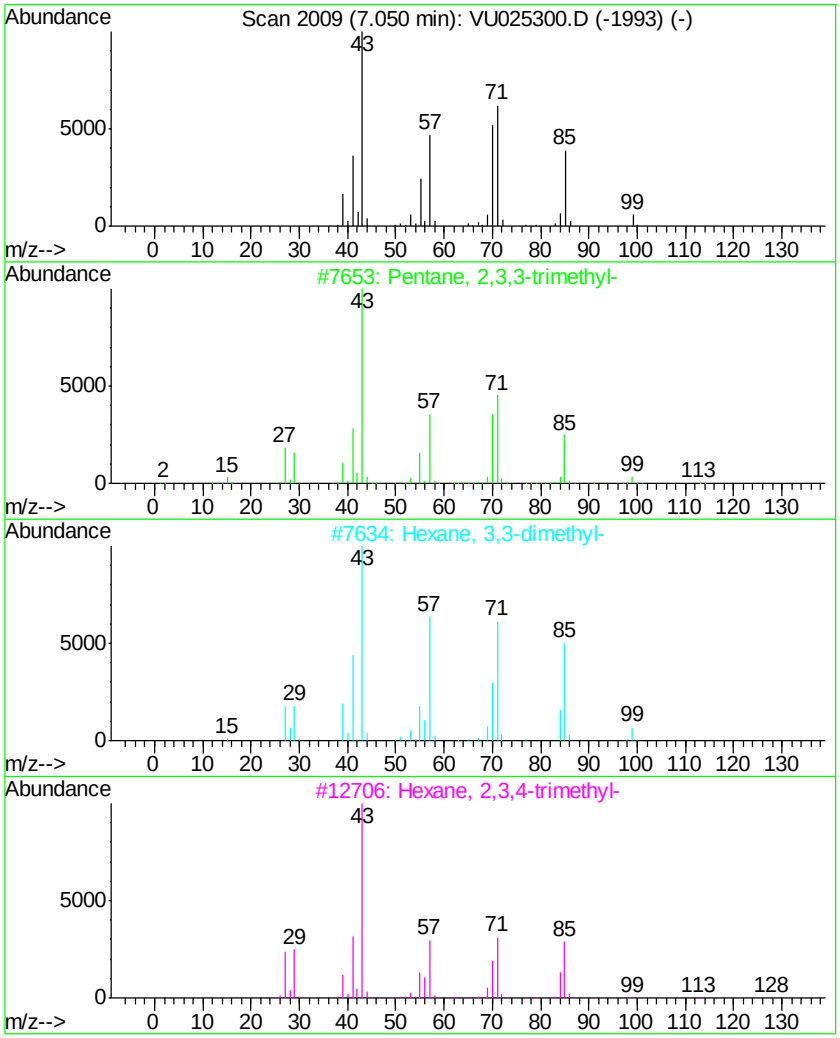
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

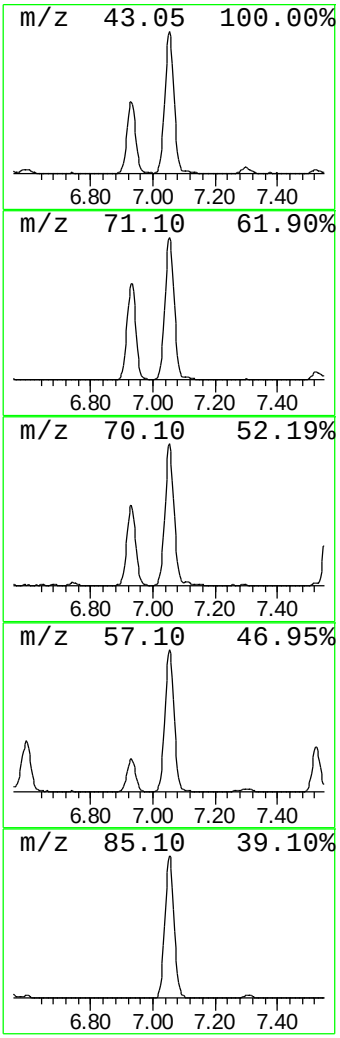
****

Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	23.63 ug/l	339512	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	72
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

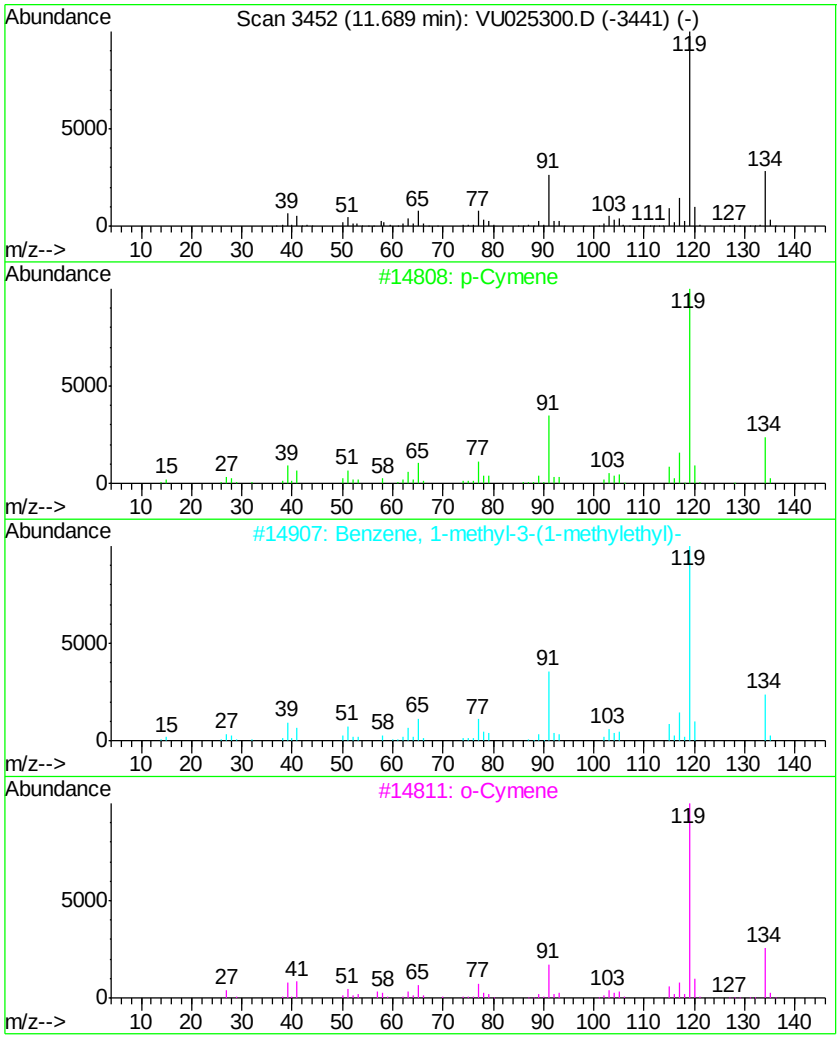
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

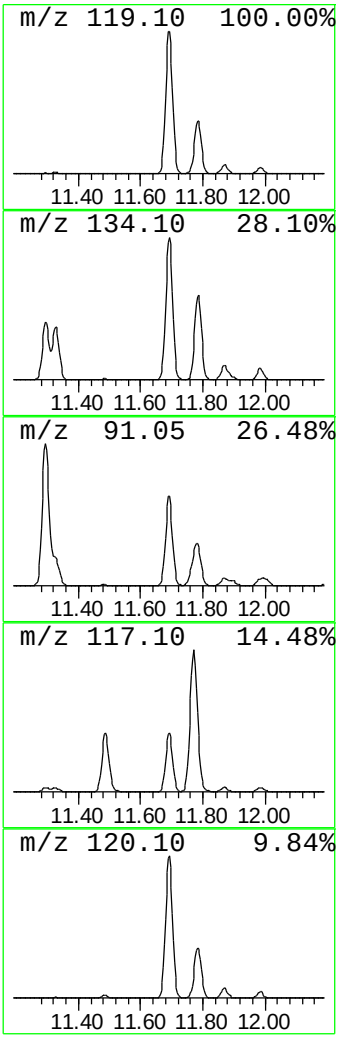
****

Peak Number 5 p-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	28.03 ug/l	539525	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	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

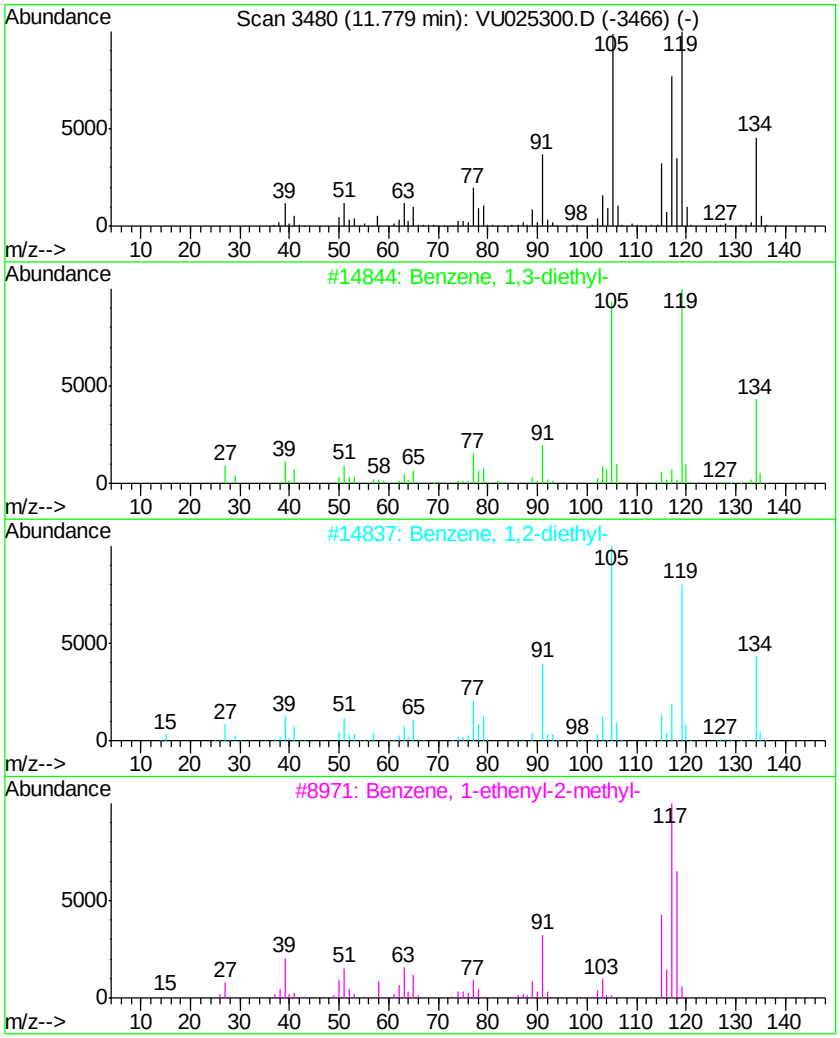
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

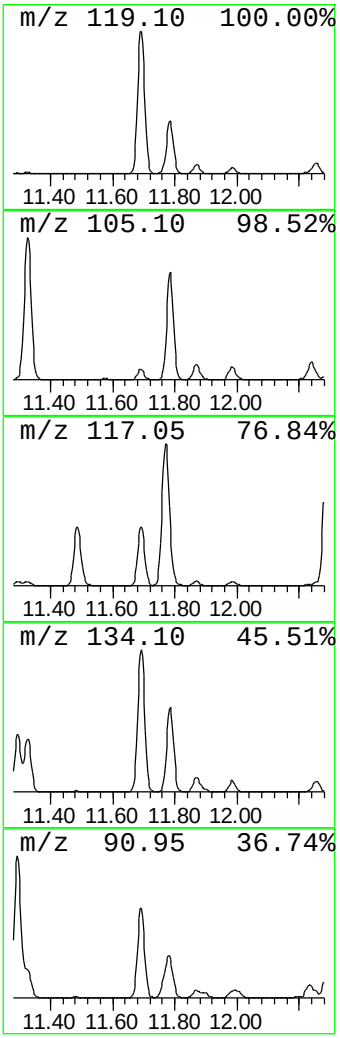
****

Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	27.07 ug/l	521125	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

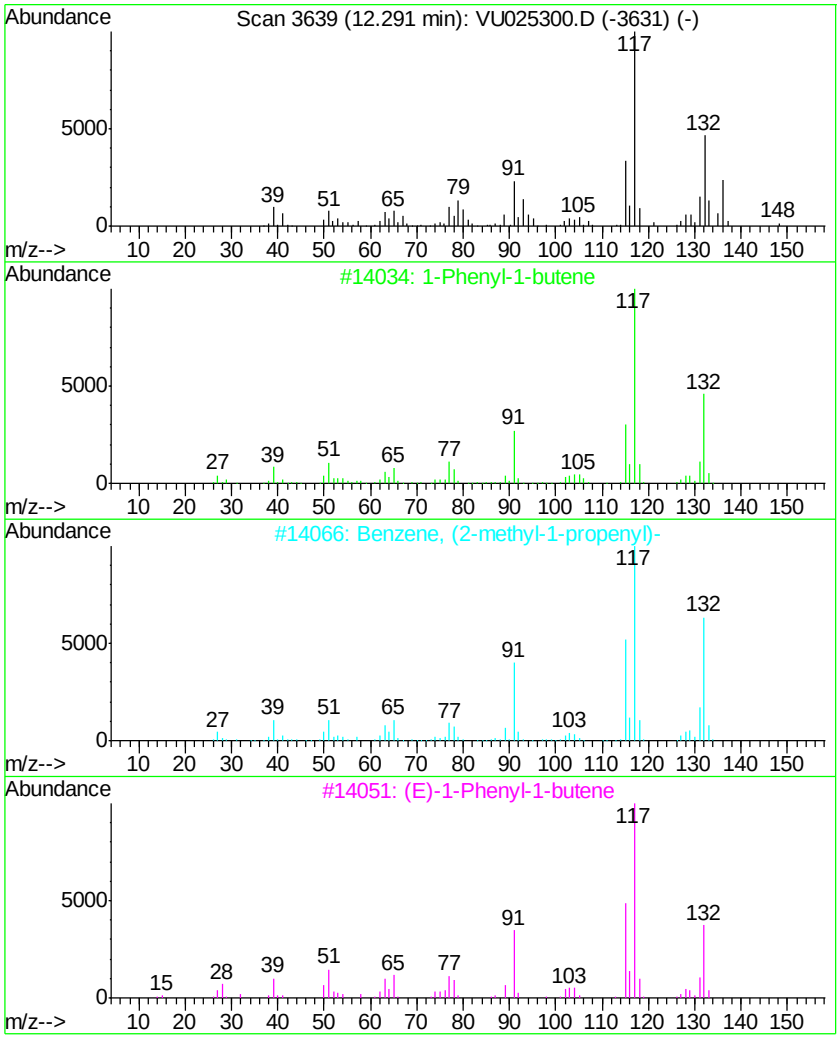
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

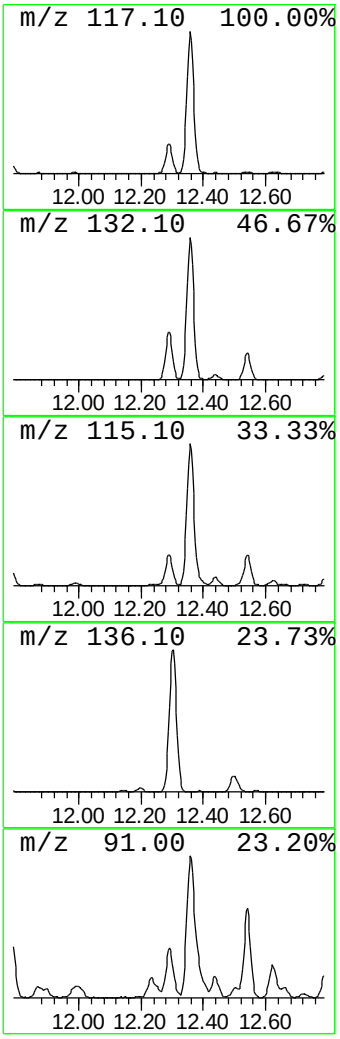
****

Peak Number 7 1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	20.76 ug/l	399682	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	96
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

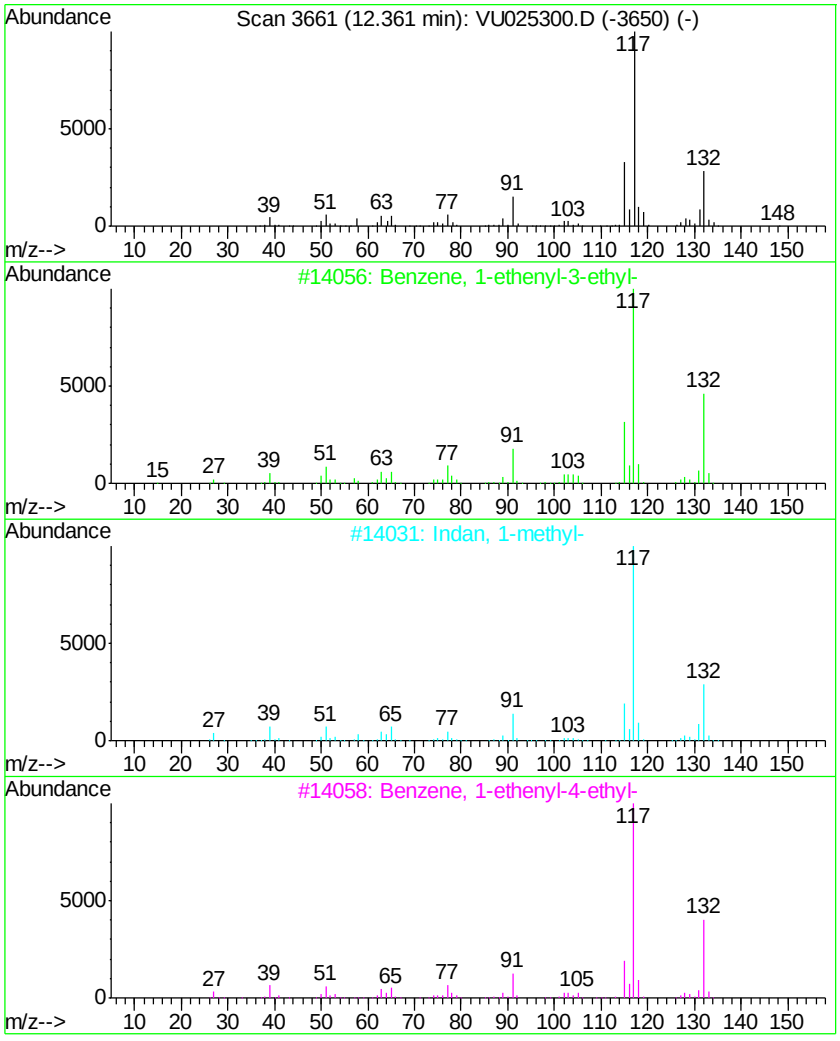
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

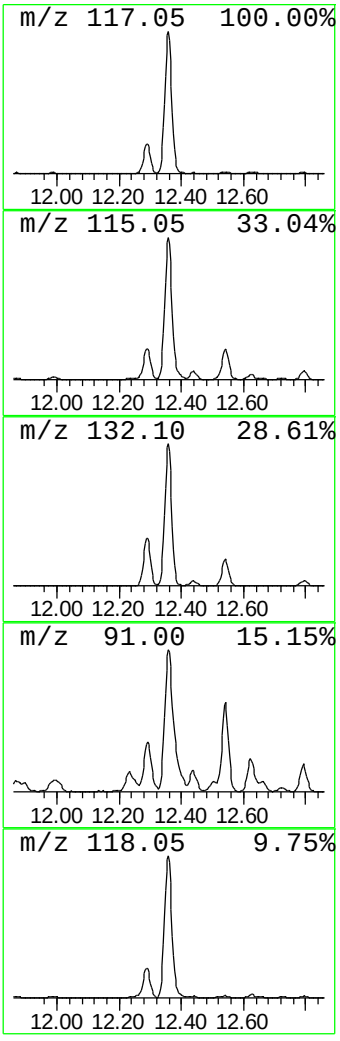
****

Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	64.82 ug/l	1247650	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	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

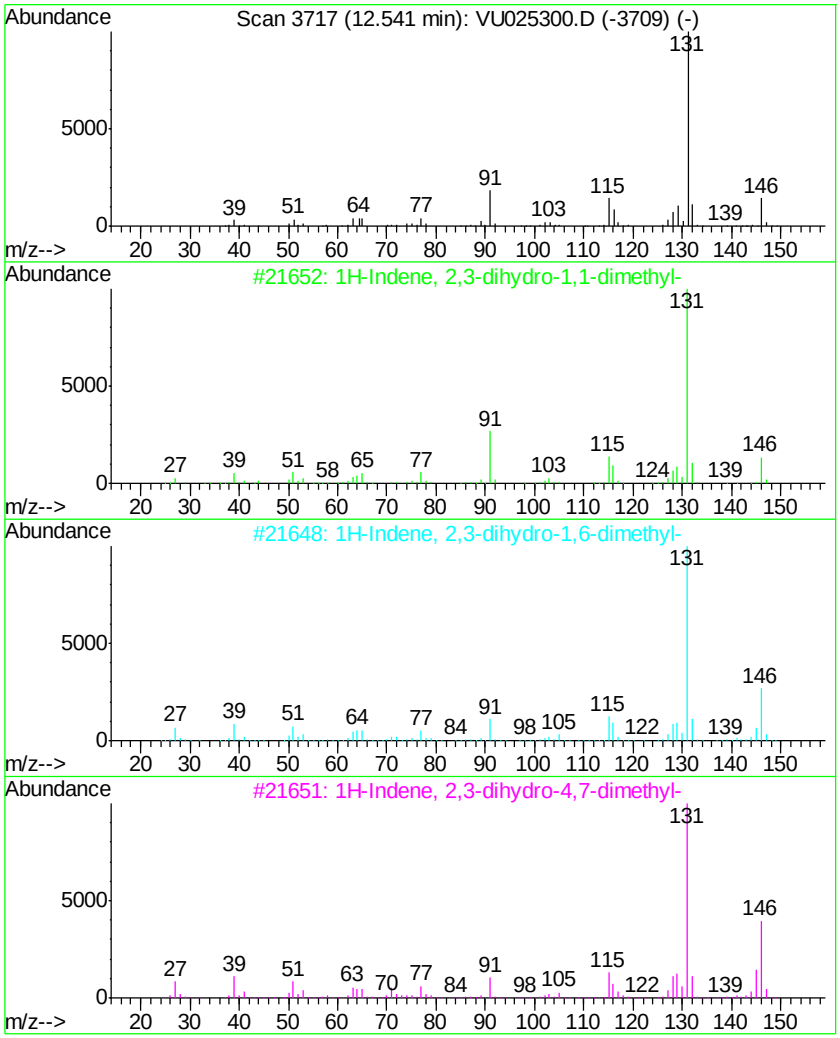
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

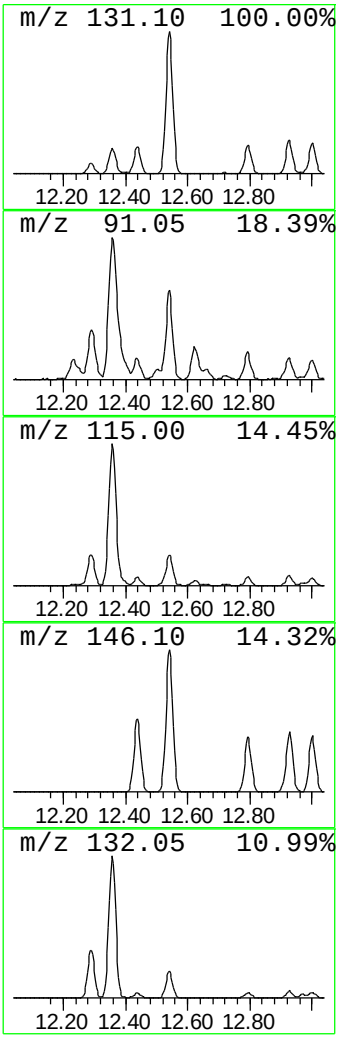
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	22.34 ug/l	430096	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	95
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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

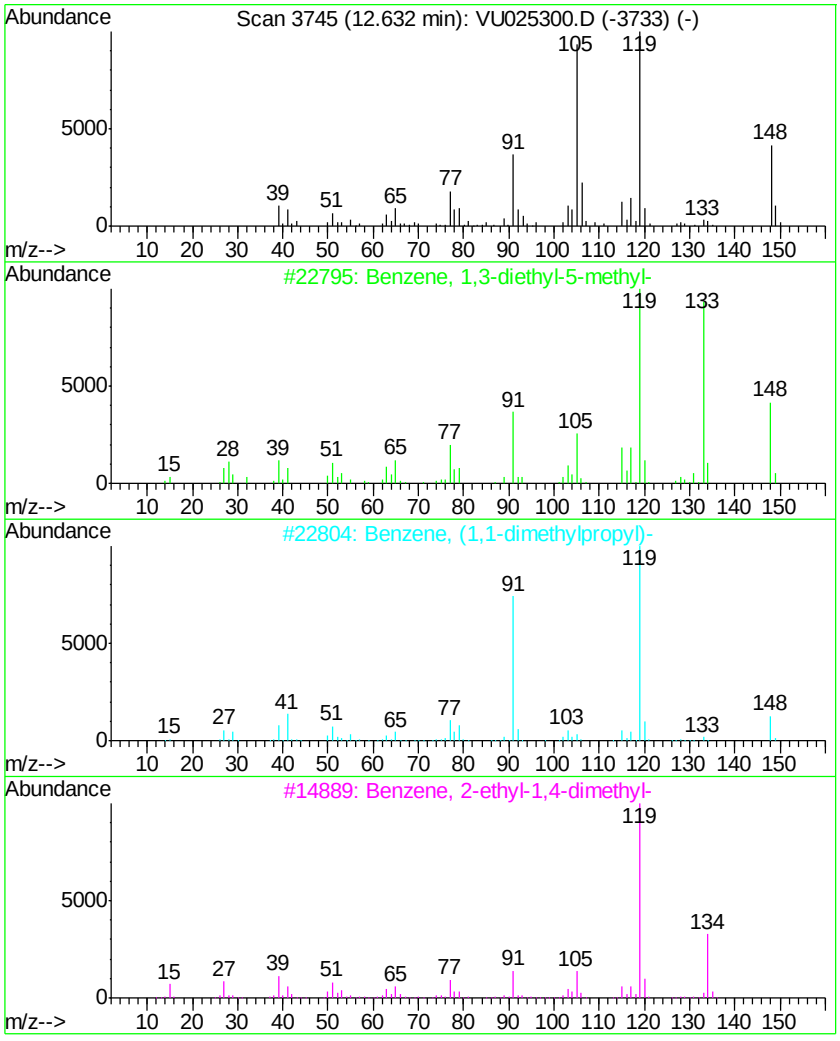
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

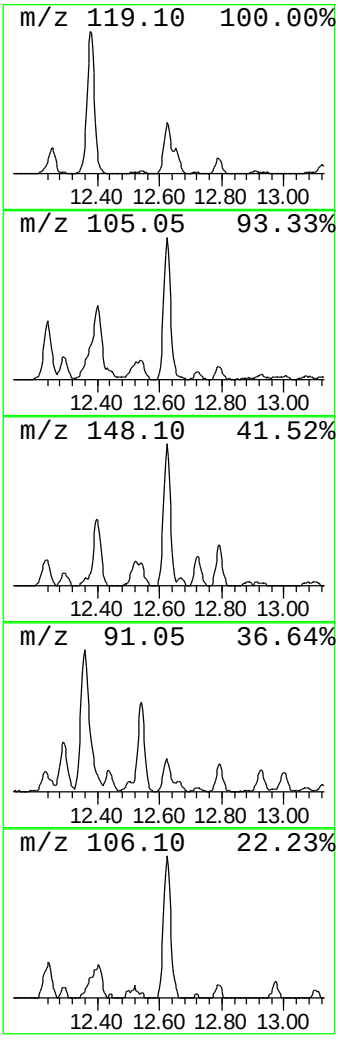
****

Peak Number 10 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	10.85 ug/l	208805	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	49
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025300.D
Acq On : 10 Jul 2018 19:44
Operator : MD/SY
Sample : J3898-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW013-180705

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	12.4	ug/l	153387	1	4.99	619474	50.0
Butane, 2,2,3,3-t...	5.54	23.3	ug/l	335265	2	5.89	718350	50.0
Pentane, 2,3,3-tr...	7.05	23.6	ug/l	339512	2	5.89	718350	50.0
p-Cymene	11.69	28.0	ug/l	539525	4	11.49	962440	50.0
Benzene, 1,3-diet...	11.78	27.1	ug/l	521125	4	11.49	962440	50.0
1-Phenyl-1-butene	12.29	20.8	ug/l	399682	4	11.49	962440	50.0
Benzene, 1-etheny...	12.36	64.8	ug/l	1247650	4	11.49	962440	50.0
1H-Indene, 2,3-di...	12.54	22.3	ug/l	430096	4	11.49	962440	50.0
Benzene, 1,3-diet...	12.63	10.9	ug/l	208805	4	11.49	962440	50.0