LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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	137	155	175	rBV	677009	786823	15.69%	2.305%
2	2.709	642	659	677	rBV2	30875	64468	1.29%	0.189%
3	4.002	1044	1061	1079	rBV3	21325	57961	1.16%	0.170%
4	4.886	1316	1336	1353	rBV	170534	390001	7.78%	1.142%
5	4.989	1354	1368	1384	rVV	250789	561083	11.19%	1.644%
6	5.085	1385	1398	1419	rVB2	57231	139793	2.79%	0.410%
7	5.313	1458	1469	1492	rVB	184704	393574	7.85%	1.153%
8	5.484	1508	1522	1529	rBV2	32001	68110	1.36%	0.200%
9	5.545	1529	1541	1558	rVV	126330	328188	6.55%	0.961%
10	5.889	1631	1648	1674	rBV	348861	685396	13.67%	2.008%
11	6.416	1793	1812	1824	rBV5	34698	98468	1.96%	0.288%
12	6.931	1953	1972	1989	rBV	71020	158242	3.16%	0.464%
13	7.053	1994	2010	2023	rBV	117157	239045	4.77%	0.700%
14	7.567	2144	2170	2205	rBV	639143	1204074	24.01%	3.527%
15	7.921	2268	2280	2296	rVB2	32161	58649	1.17%	0.172%
16	9.095	2629	2645	2651	rBV	501588	909003	18.13%	2.663%
17	9.191	2667	2675	2686	rVB	43039	75486	1.51%	0.221%
18	9.368	2718	2730	2736	rBV2	39728	73629	1.47%	0.216%
19	9.747	2824	2848	2859	rBV4	62592	191700	3.82%	0.562%
20	9.921	2888	2902	2905	rBV4	27610	51823	1.03%	0.152%
21	9.956	2906	2913	2925	rVB2	91182	153893	3.07%	0.451%
22	10.053	2931	2943	2958	rBV6	49881	107637	2.15%	0.315%
23	10.169	2970	2979	2988	rBV	223955	333237	6.65%	0.976%
24	10.220	2989	2995	3011	rVB10	24173	55447	1.11%	0.162%
25	10.310	3012	3023	3035	rBV	497594	775218	15.46%	2.271%
26	10.381	3035	3045	3053	rVB3	77288	123150	2.46%	0.361%
27	10.500	3073	3082	3092	rVB3	89901	139217	2.78%	0.408%
28	10.593	3102	3111	3118	rBV	52598	72887	1.45%	0.214%
29	10.699	3136	3144	3156	rVB4	36089	71714	1.43%	0.210%
30	10.985	3219	3233	3249	rVB2	134092	239627	4.78%	0.702%
31	11.101	3249	3269	3279	rBV	213710	354027	7.06%	1.037%
32	11.294	3312	3329	3334	rBV	500201	841195	16.78%	2.464%
33	11.326	3334	3339	3355	rVB	646358	960768	19.16%	2.814%
34	11.487	3378	3389	3405	rBV	598514	1011525	20.17%	2.963%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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	11.693	3441	3453	3467	rVB	758103	1183758	23.61%	3.468%
36	11.783	3467	3481	3493	rBV3	461821	777604	15.51%	2.278%
37	11.869	3498	3508	3531	rVB4	118187	256809	5.12%	0.752%
38	11.985	3531	3544	3561	rBV3	64858	129457	2.58%	0.379%
39	12.255	3614	3628	3635	rBV	2487438	3859817	76.98%	11.307%
40	12.291	3636	3639	3649	rVV2	532860	705866	14.08%	2.068%
41	12.358	3649	3660	3679	rVV2	2785302	5013987	100.00%	14.688%
42	12.439	3679	3685	3695	rVB	130464	198887	3.97%	0.583%
43	12.541	3695	3717	3730	rVB	664065	1142084	22.78%	3.346%
44	12.654	3731	3752	3765	rBV	1461396	2466435	49.19%	7.225%
45	12.792	3784	3795	3806	rVB2	163152	254909	5.08%	0.747%
46	12.882	3812	3823	3829	rBV	166834	245939	4.91%	0.720%
47	12.927	3829	3837	3845	rVV	203618	320444	6.39%	0.939%
48	12.969	3845	3850	3854	rVV	56946	80497	1.61%	0.236%
49	13.001	3854	3860	3872	rVB	123179	184369	3.68%	0.540%
50	13.127	3872	3899	3910	rBV2	2024959	3325720	66.33%	9.742%
51	13.194	3913	3920	3929	rVV4	108329	219832	4.38%	0.644%
52	13.239	3929	3934	3945	rVV	66659	142865	2.85%	0.419%
53	13.294	3946	3951	3971	rVB3	45172	78464	1.56%	0.230%
54	13.458	3994	4002	4010	rVV2	71682	125141	2.50%	0.367%
55	13.512	4010	4019	4027	rVV	277213	429012	8.56%	1.257%
56	13.583	4027	4041	4045	rVV2	146583	327930	6.54%	0.961%
57	13.612	4045	4050	4075	rVB2	198405	353267	7.05%	1.035%
58	13.734	4075	4088	4097	rBV2	54208	93647	1.87%	0.274%
59	13.792	4097	4106	4117	rVV2	33803	55825	1.11%	0.164%
60	13.860	4117	4127	4140	rVB	40559	65395	1.30%	0.192%
61	13.956	4150	4157	4167	rVB5	34852	60451	1.21%	0.177%
62	14.017	4167	4176	4187	rVB4	31785	51929	1.04%	0.152%
63	14.336	4265	4275	4288	rBV2	37208	72945	1.45%	0.214%
64	14.683	4372	4383	4407	rBV3	33487	60428	1.21%	0.177%
65	15.069	4493	4503	4518	rBV2	40617	77760	1.55%	0.228%

Sum of corrected areas: 34136531

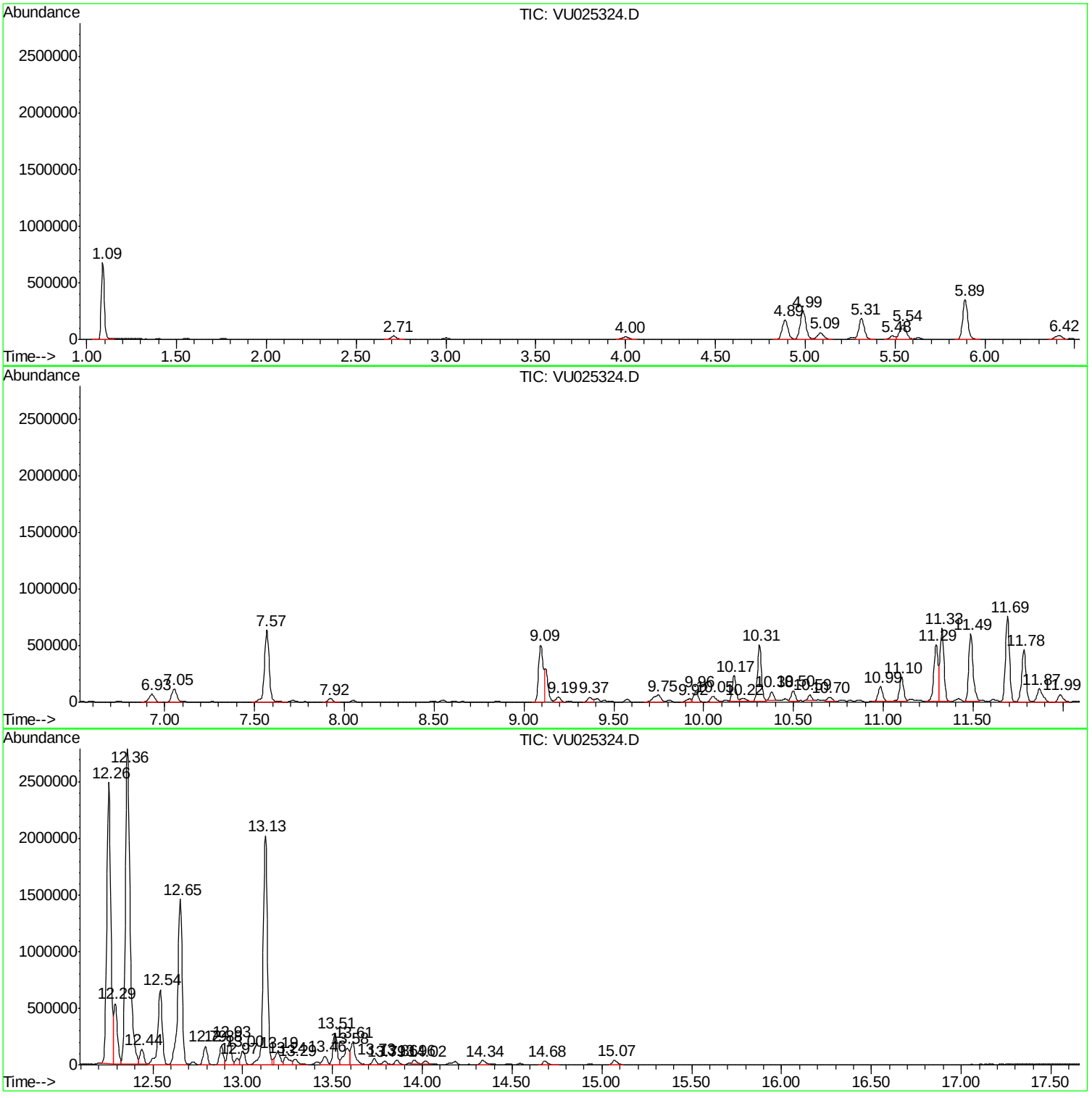
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

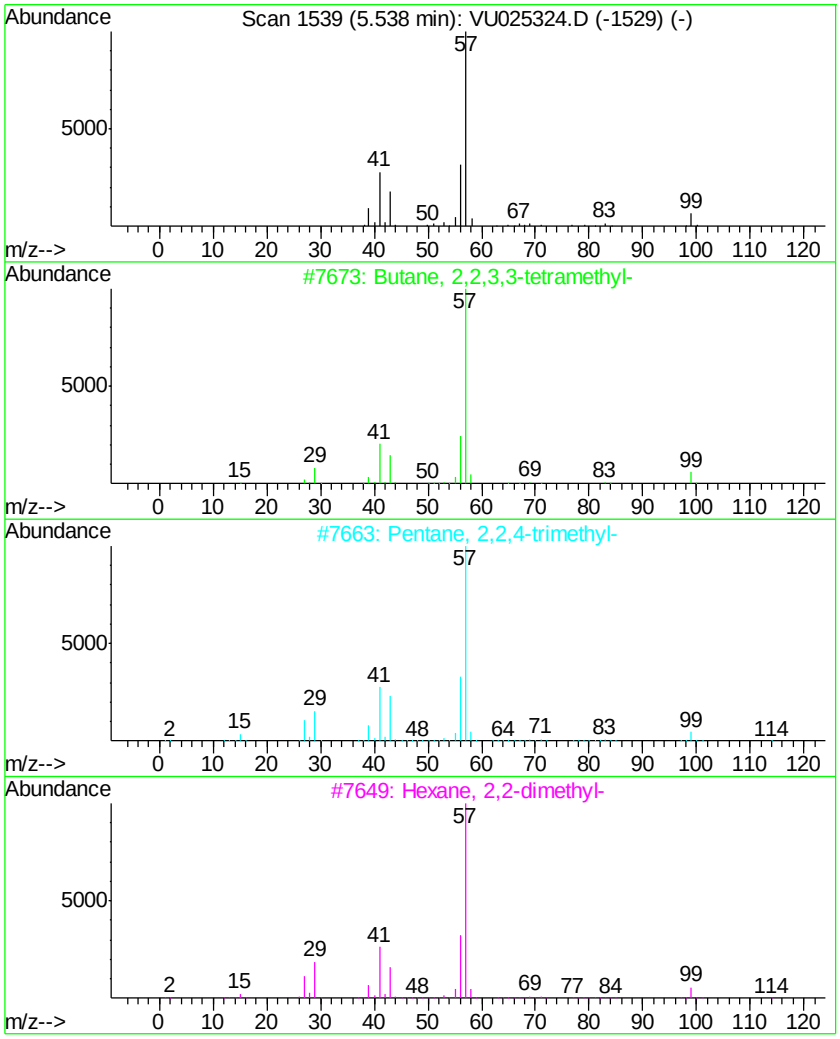
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

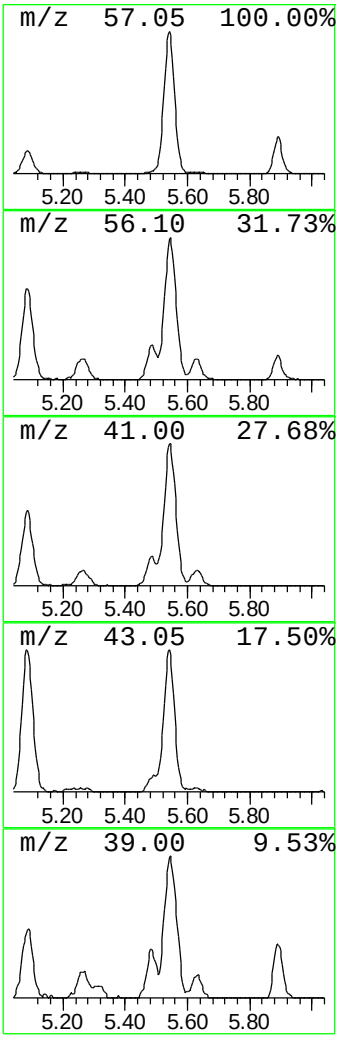
****

Peak Number 2 Butane, 2,2,3,3-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	23.94 ug/l	328188	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	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

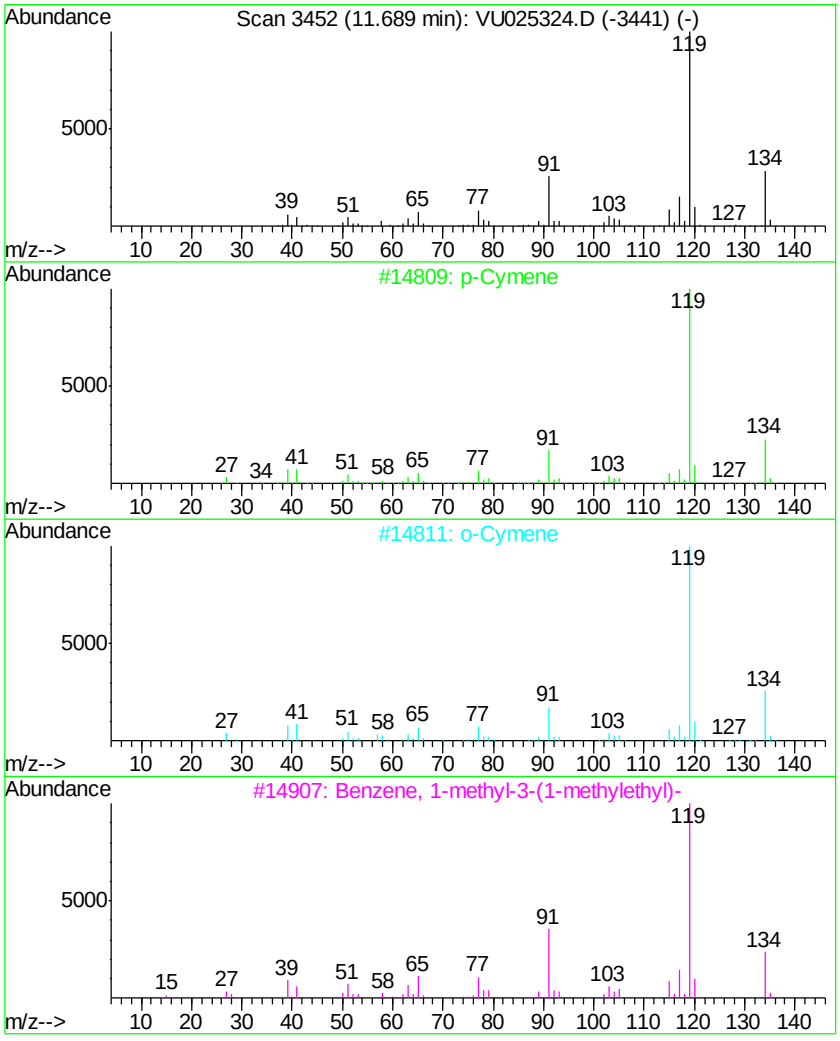
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

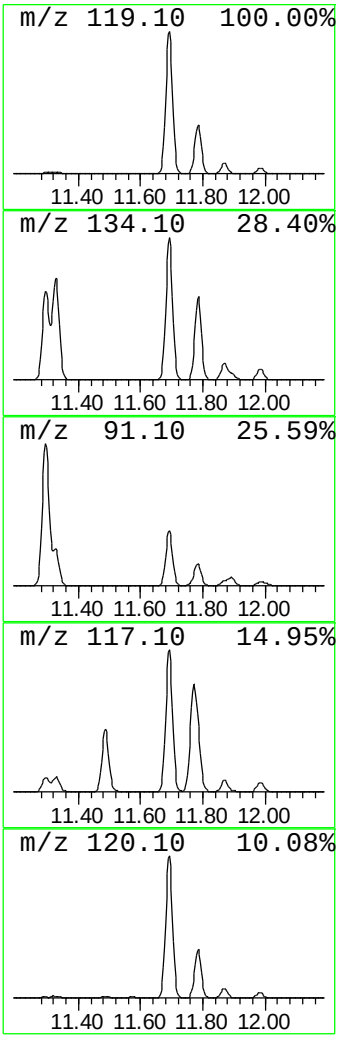
****

Peak Number 3 p-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	58.51 ug/l	1183760	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

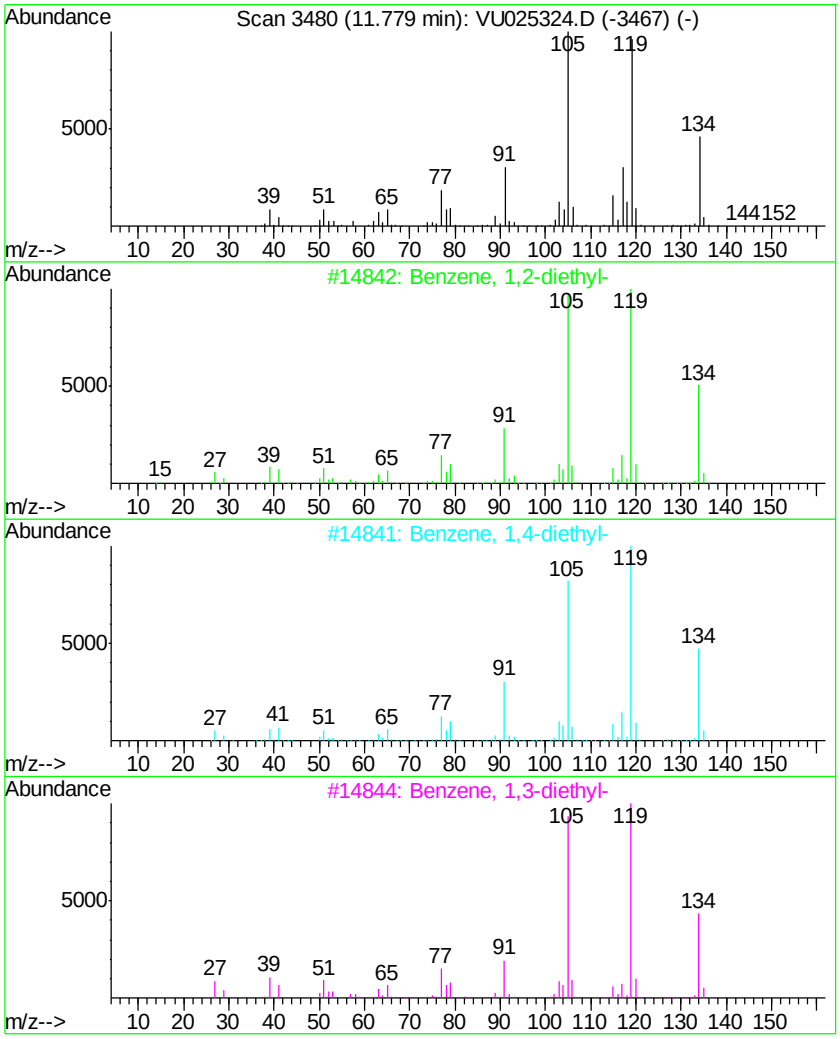
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

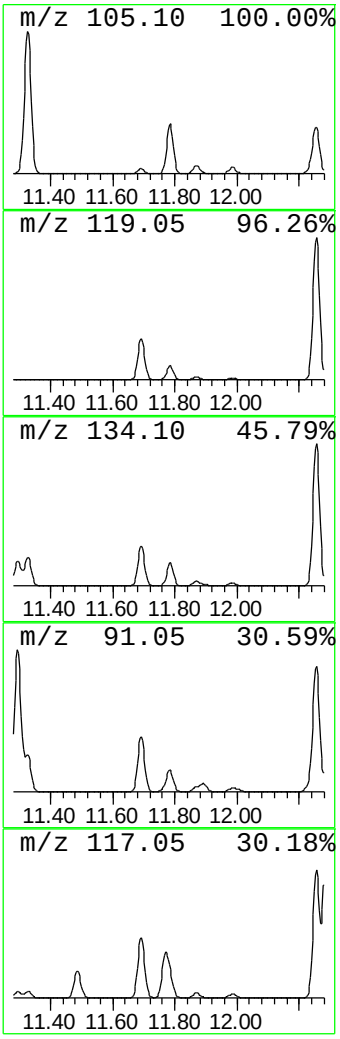
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	38.44 ug/l	777604	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

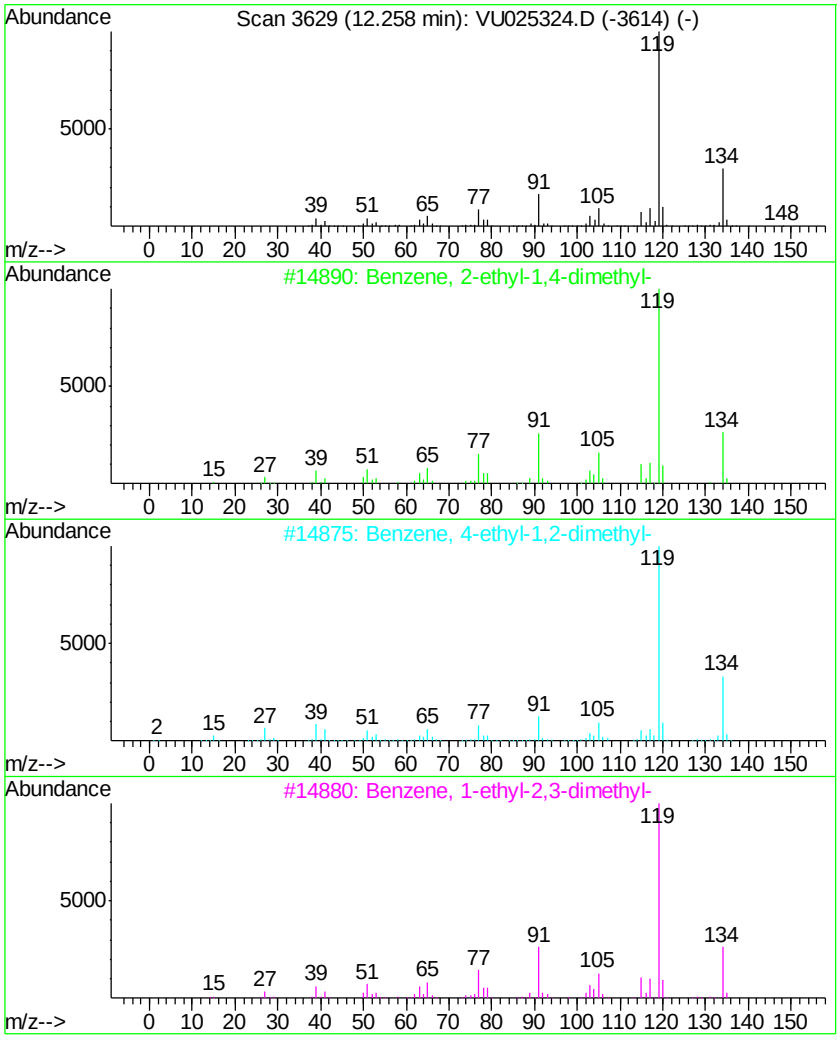
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

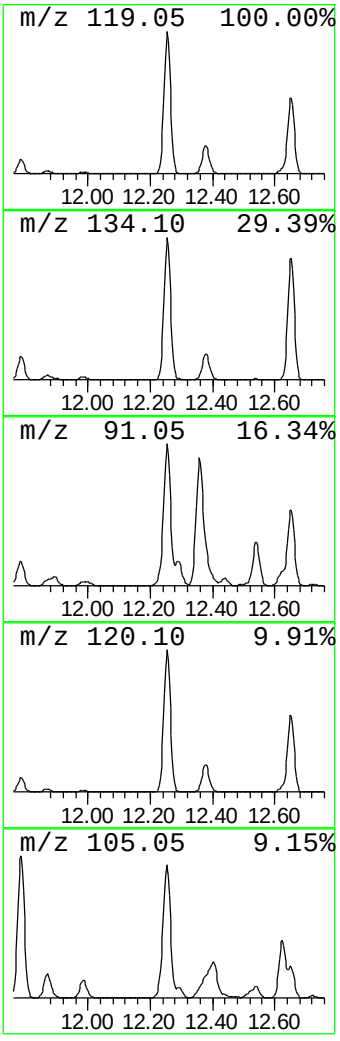
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	190.79 ug/l	3859820	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	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

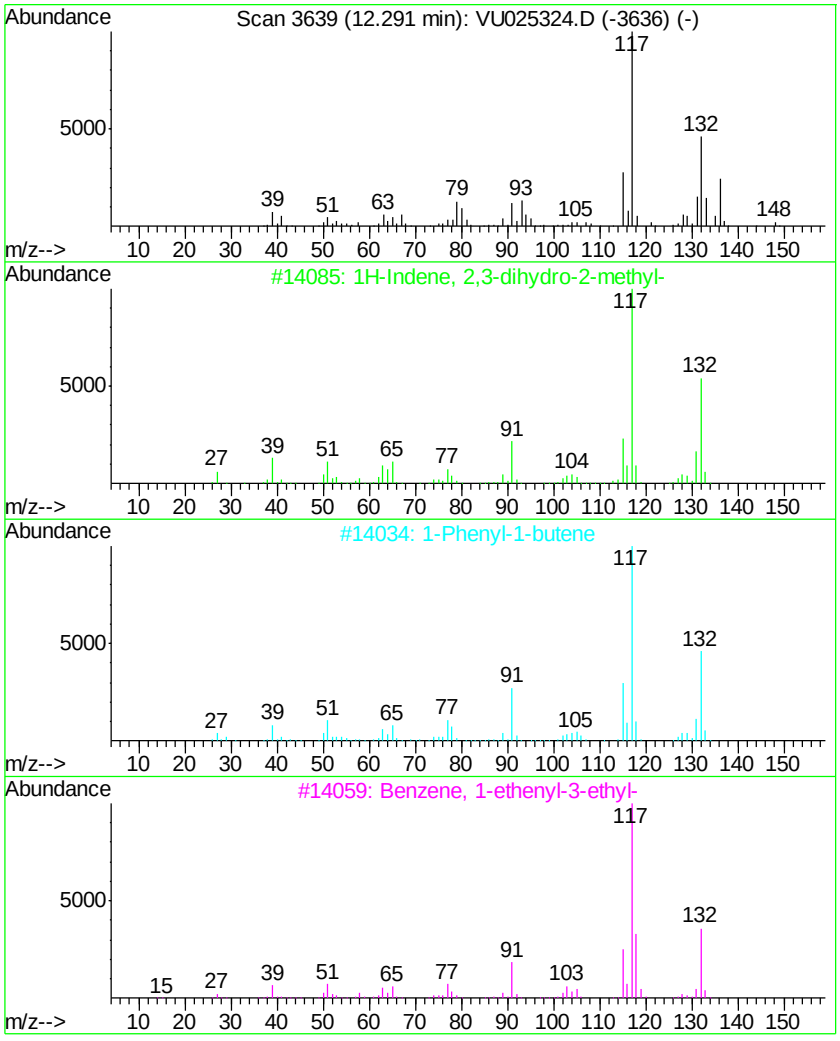
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

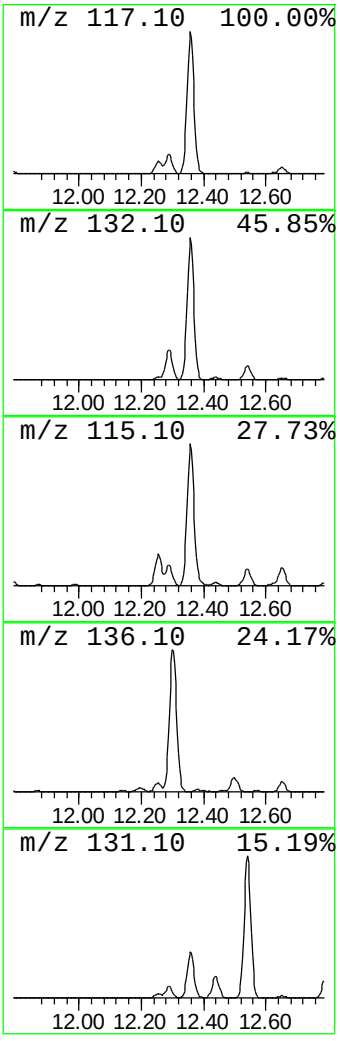
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	34.89 ug/l	705866	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	68
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	59
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	58
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
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Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

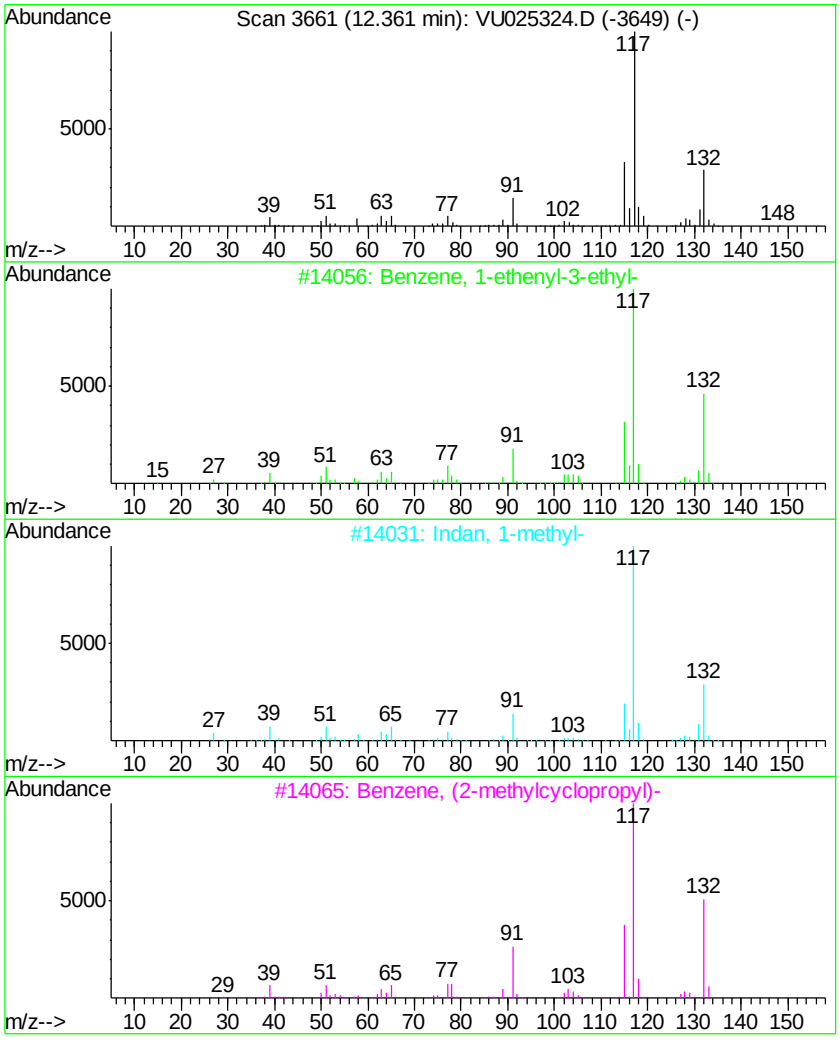
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

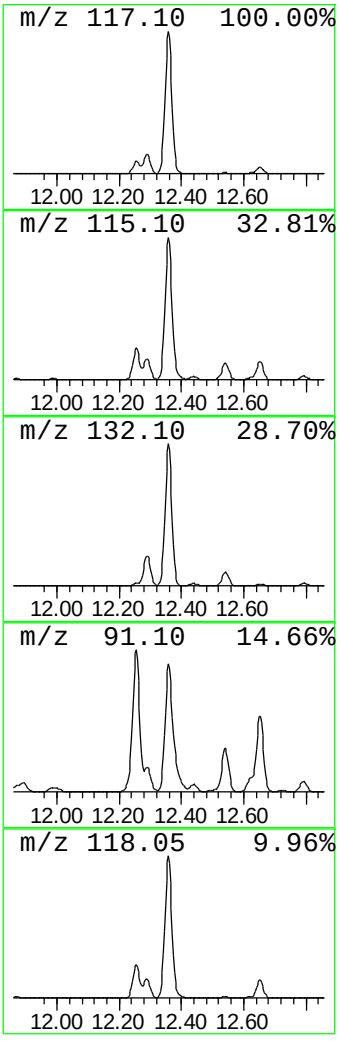
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	247.84 ug/l	5013990	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-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

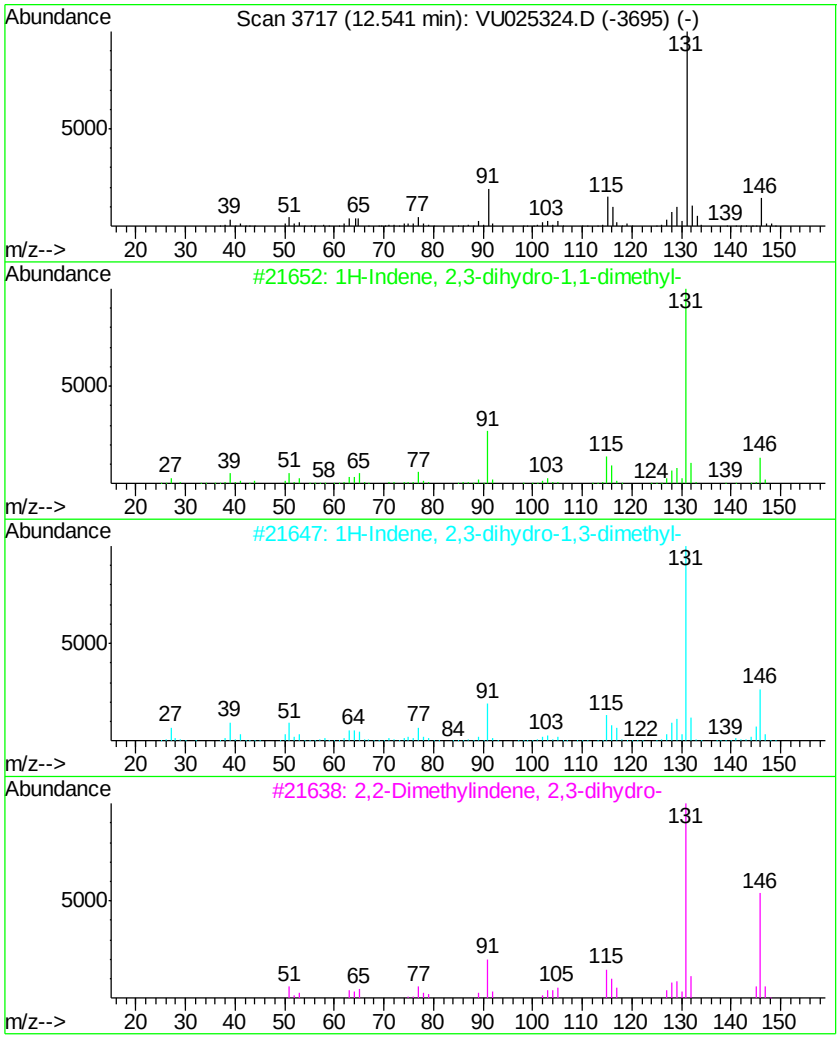
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

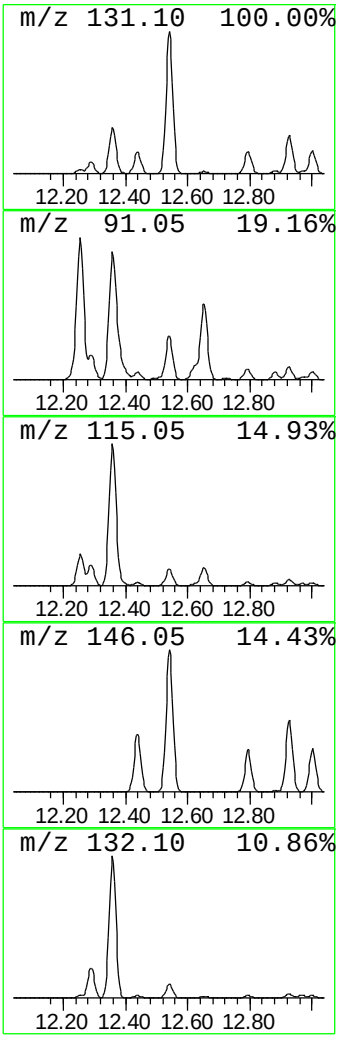
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	56.45 ug/l	1142080	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-1,3-dimet...	146	C11H14	004175-53-5	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	58
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	58





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

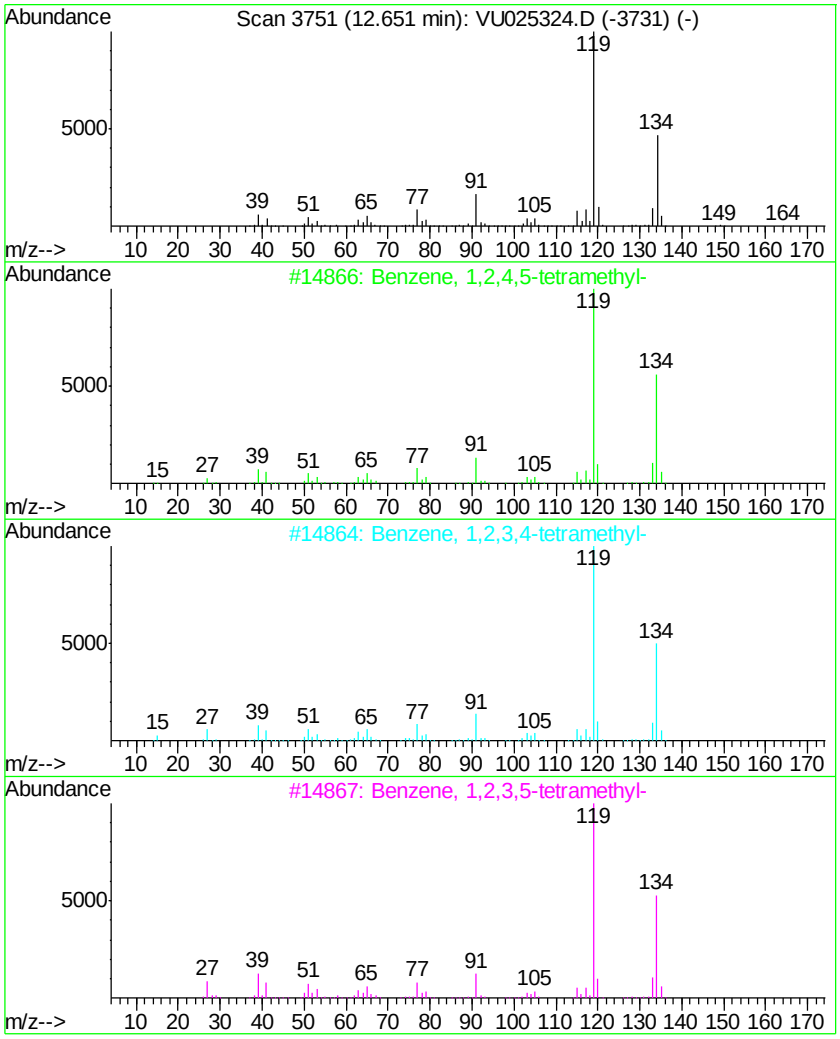
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

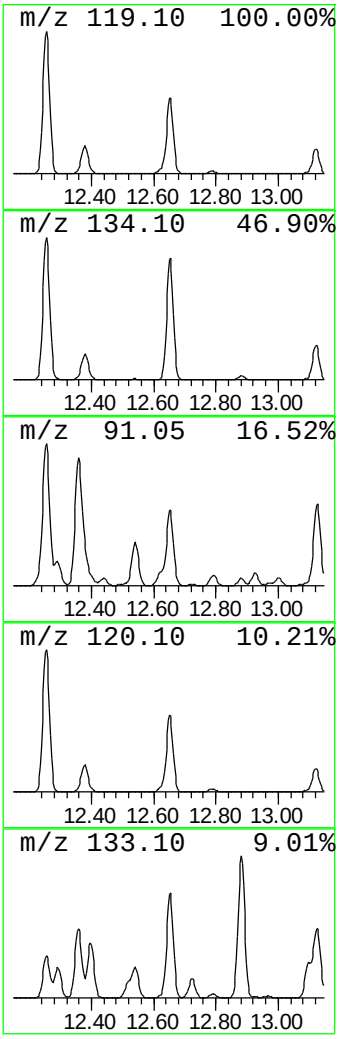
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	121.92 ug/l	2466440	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	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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

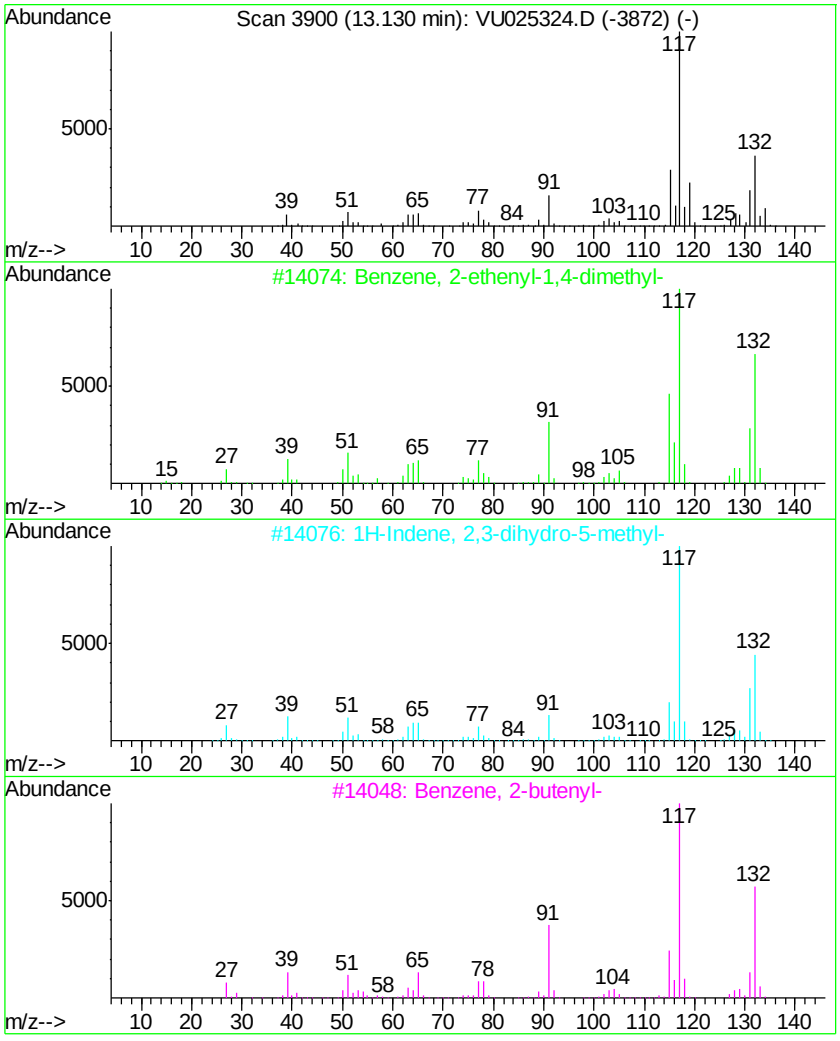
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

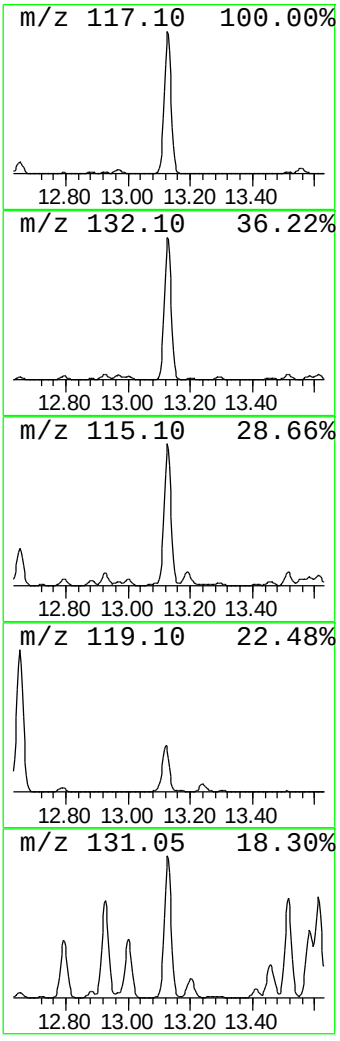
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	164.39 ug/l	3325720	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	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071118\
Data File : VU025324.D
Acq On : 11 Jul 2018 19:07
Operator : MD/SY
Sample : J3922-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ST008MW037-180709

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, 2,2,3,3-t...	5.54	23.9	ug/l	328188	2	5.89	685396	50.0
p-Cymene	11.69	58.5	ug/l	1183760	4	11.49	1011530	50.0
Benzene, 1,2-diet...	11.78	38.4	ug/l	777604	4	11.49	1011530	50.0
Benzene, 2-ethyl-...	12.26	190.8	ug/l	3859820	4	11.49	1011530	50.0
1H-Indene, 2,3-di...	12.29	34.9	ug/l	705866	4	11.49	1011530	50.0
Benzene, 1-etheny...	12.36	247.8	ug/l	5013990	4	11.49	1011530	50.0
1H-Indene, 2,3-di...	12.54	56.5	ug/l	1142080	4	11.49	1011530	50.0
Benzene, 1,2,4,5-...	12.65	121.9	ug/l	2466440	4	11.49	1011530	50.0
Benzene, 2-etheny...	13.13	164.4	ug/l	3325720	4	11.49	1011530	50.0