LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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	1.088	135	155	174	rBV	1322987	1485311	12.51%	3.202%
2	4.889	1319	1337	1353	rBV	175771	400478	3.37%	0.863%
3	4.989	1353	1368	1388	rVB	263836	581207	4.90%	1.253%
4	5.313	1453	1469	1483	rBV	187682	395994	3.34%	0.854%
5	5.394	1483	1494	1511	rVB2	90444	191861	1.62%	0.414%
6	5.889	1633	1648	1670	rBV	359691	707199	5.96%	1.525%
7	7.567	2159	2170	2189	rVB	643668	1125754	9.48%	2.427%
8	9.124	2632	2654	2687	rBV	6628504	11870766	100.00%	25.591%
9	9.406	2735	2742	2749	rVV3	79452	136993	1.15%	0.295%
10	9.725	2827	2841	2860	rVV6	89747	286395	2.41%	0.617%
11	9.927	2892	2904	2907	rBV3	69536	118759	1.00%	0.256%
12	9.956	2908	2913	2923	rVB2	124139	190086	1.60%	0.410%
13	10.046	2923	2941	2959	rBV6	172131	395140	3.33%	0.852%
14	10.169	2969	2979	2988	rBV	239724	366052	3.08%	0.789%
15	10.226	2988	2997	3011	rVB6	81202	147566	1.24%	0.318%
16	10.310	3013	3023	3035	rVB2	556091	884445	7.45%	1.907%
17	10.381	3035	3045	3053	rBV3	93402	152228	1.28%	0.328%
18	10.496	3073	3081	3092	rVB4	165608	268692	2.26%	0.579%
19	10.590	3101	3110	3119	rBV	212087	325532	2.74%	0.702%
20	10.702	3137	3145	3154	rVB5	79538	143096	1.21%	0.308%
21	10.982	3221	3232	3250	rBV4	219444	465571	3.92%	1.004%
22	11.104	3261	3270	3278	rVB	156996	225610	1.90%	0.486%
23	11.294	3313	3329	3333	rBV	192048	387437	3.26%	0.835%
24	11.326	3334	3339	3353	rVB	270733	452511	3.81%	0.976%
25	11.400	3355	3362	3371	rVV	83153	123056	1.04%	0.265%
26	11.487	3379	3389	3402	rBV	599166	949550	8.00%	2.047%
27	11.693	3442	3453	3466	rVB	606296	978808	8.25%	2.110%
28	11.779	3466	3480	3496	rBV3	798868	1650735	13.91%	3.559%
29	11.860	3496	3505	3524	rVB5	329007	662657	5.58%	1.429%
30	11.985	3535	3544	3562	rVB2	209366	360359	3.04%	0.777%
31	12.255	3616	3628	3633	rBV	1009156	1517508	12.78%	3.271%
32	12.291	3633	3639	3650	rVB	830105	1293697	10.90%	2.789%
33	12.358	3650	3660	3681	rBV2	2130615	4996415	42.09%	10.771%
34	12.541	3696	3717	3731	rVB2	625677	1263138	10.64%	2.723%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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	12.651	3732	3751	3764	rVV2	881935	1699627	14.32%	3.664%
36	12.725	3764	3774	3783	rVV2	168870	282390	2.38%	0.609%
37	12.792	3784	3795	3806	rVB2	250829	438108	3.69%	0.944%
38	12.882	3815	3823	3829	rBV	101366	143077	1.21%	0.308%
39	12.927	3830	3837	3843	rBV	162014	222730	1.88%	0.480%
40	12.969	3843	3850	3856	rBV	176005	236165	1.99%	0.509%
41	13.127	3877	3899	3910	rBV2	1278597	2114723	17.81%	4.559%
42	13.194	3912	3920	3930	rVB6	92744	186780	1.57%	0.403%
43	13.291	3931	3950	3963	rBV3	229397	451529	3.80%	0.973%
44	13.365	3966	3973	3980	rBV4	86964	134032	1.13%	0.289%
45	13.461	3995	4003	4011	rVB2	144562	221314	1.86%	0.477%
46	13.512	4012	4019	4027	rVB	169097	232318	1.96%	0.501%
47	13.586	4028	4042	4045	rBV3	159106	288227	2.43%	0.621%
48	13.879	4118	4133	4144	rBV4	261942	529231	4.46%	1.141%
49	13.946	4147	4154	4164	rVB9	67927	121291	1.02%	0.261%
50	14.162	4213	4221	4238	rVB5	101467	198456	1.67%	0.428%
51	14.249	4240	4248	4256	rBV3	112049	193236	1.63%	0.417%
52	14.300	4256	4264	4275	rVV4	146306	332523	2.80%	0.717%
53	14.358	4276	4282	4291	rVB5	93320	149753	1.26%	0.323%
54	14.461	4303	4314	4323	rBV3	183923	318334	2.68%	0.686%
55	14.519	4324	4332	4356	rVB3	139767	302885	2.55%	0.653%
56	14.715	4385	4393	4411	rVB3	105551	185326	1.56%	0.400%
57	14.879	4435	4444	4458	rVB2	207555	365674	3.08%	0.788%
58	15.065	4491	4502	4517	rVB	114654	218485	1.84%	0.471%
59	15.204	4534	4545	4572	rVB	381027	678990	5.72%	1.464%
60	15.345	4573	4589	4605	rBV6	62364	132236	1.11%	0.285%
61	15.731	4697	4709	4727	rBV	311961	508493	4.28%	1.096%

Sum of corrected areas: 46386539

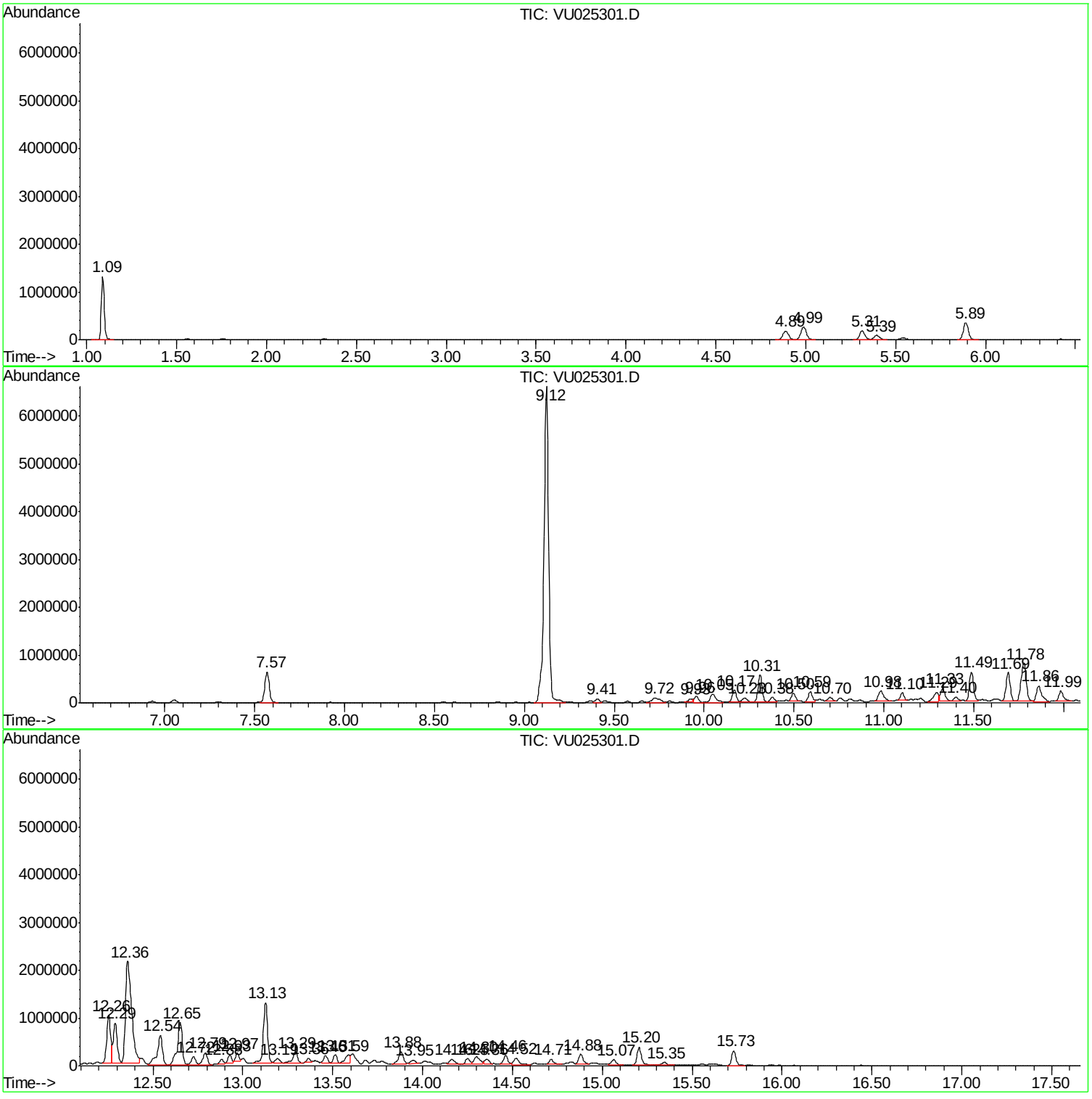
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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

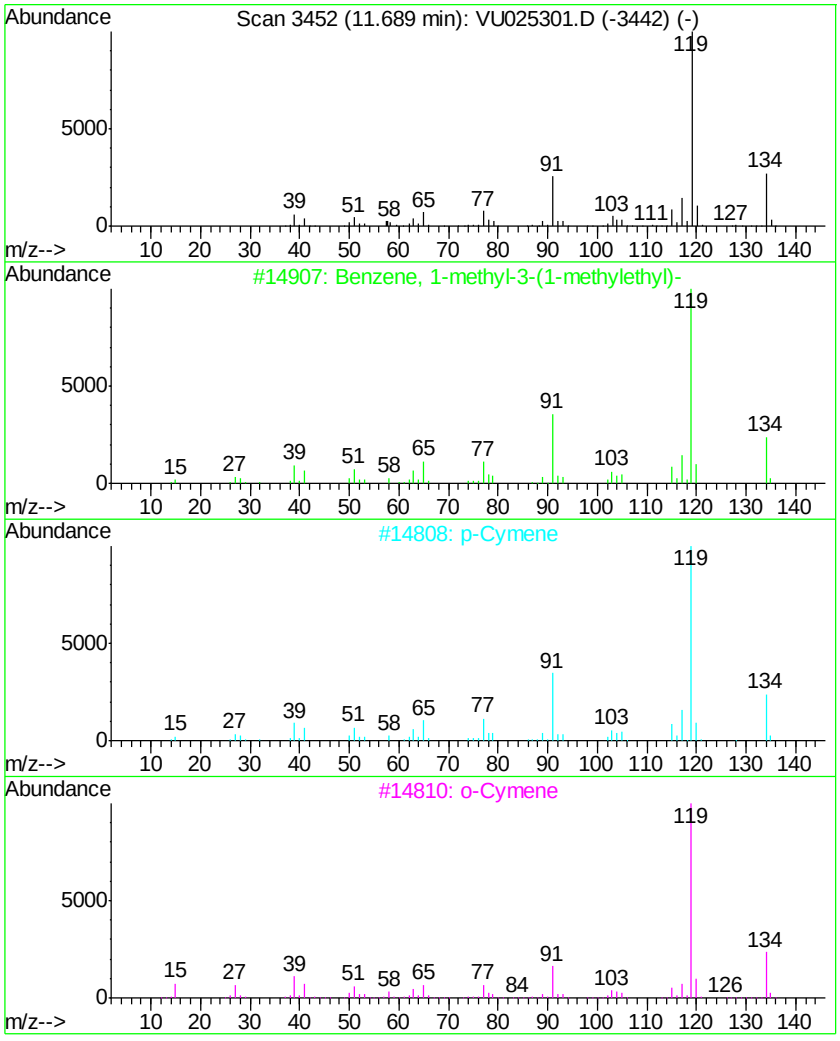
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

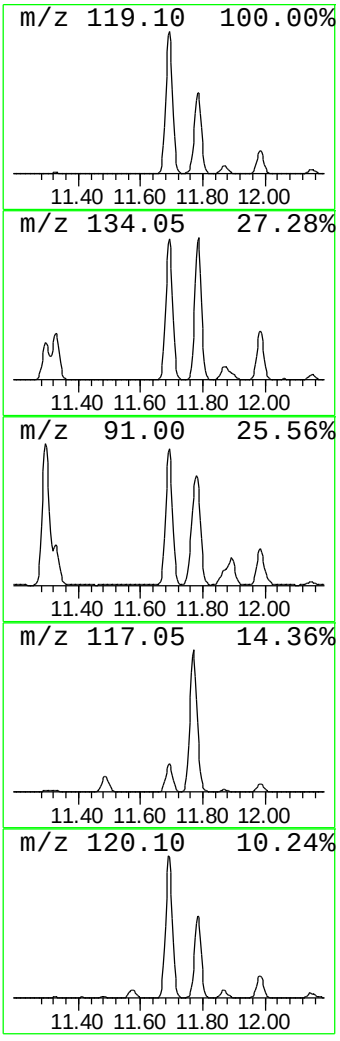
****

Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	51.54 ug/l	978808	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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

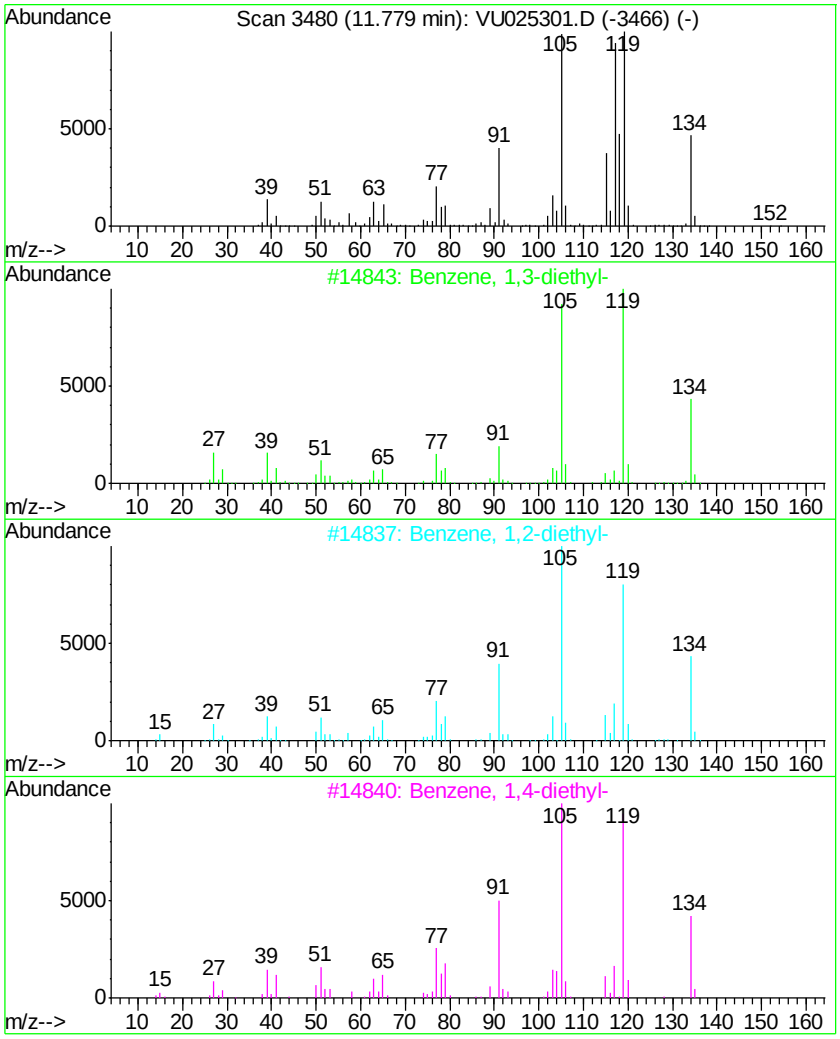
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

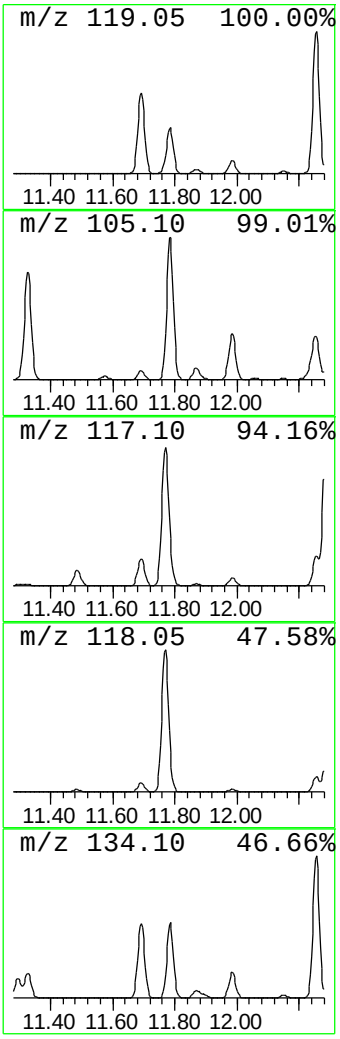
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	86.92 ug/l	1650740	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	87
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	78
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	46
5	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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

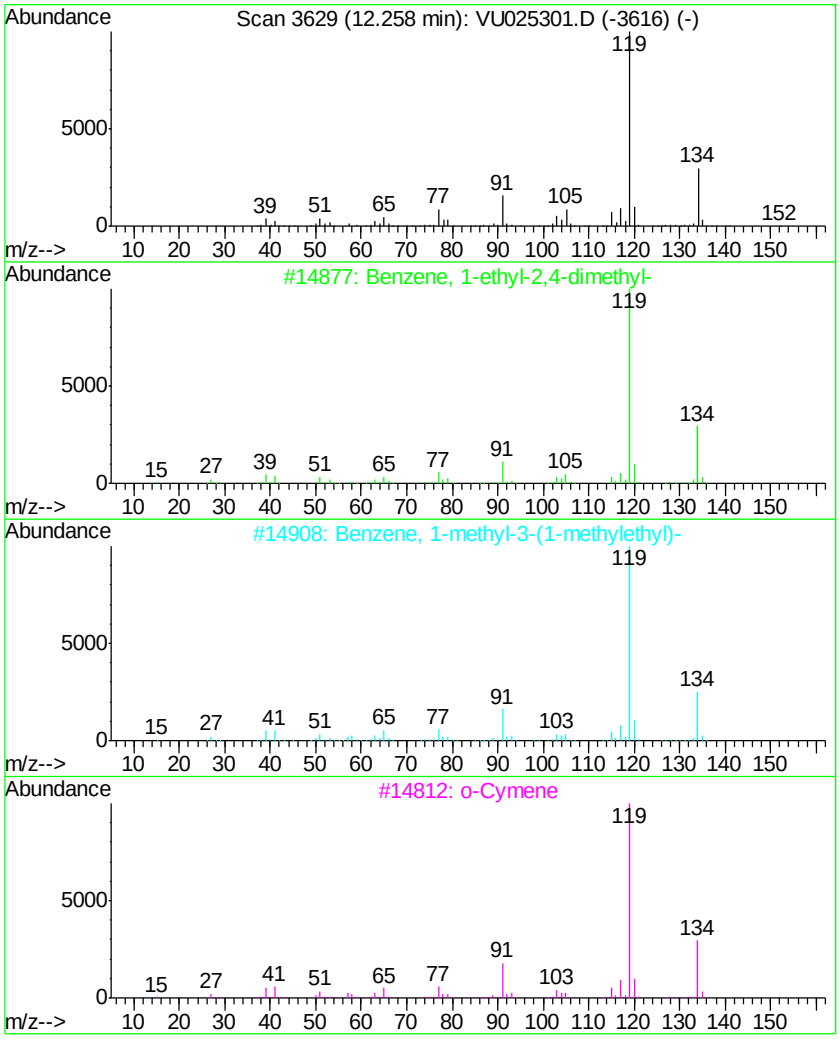
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

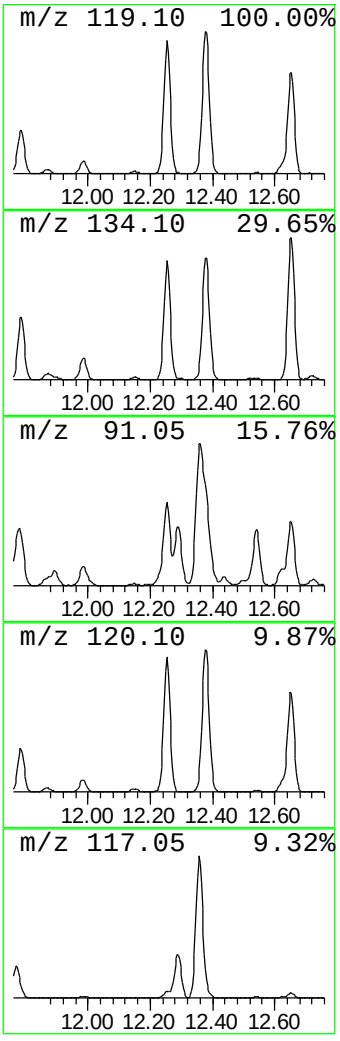
****

Peak Number 4 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	79.91 ug/l	1517510	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	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

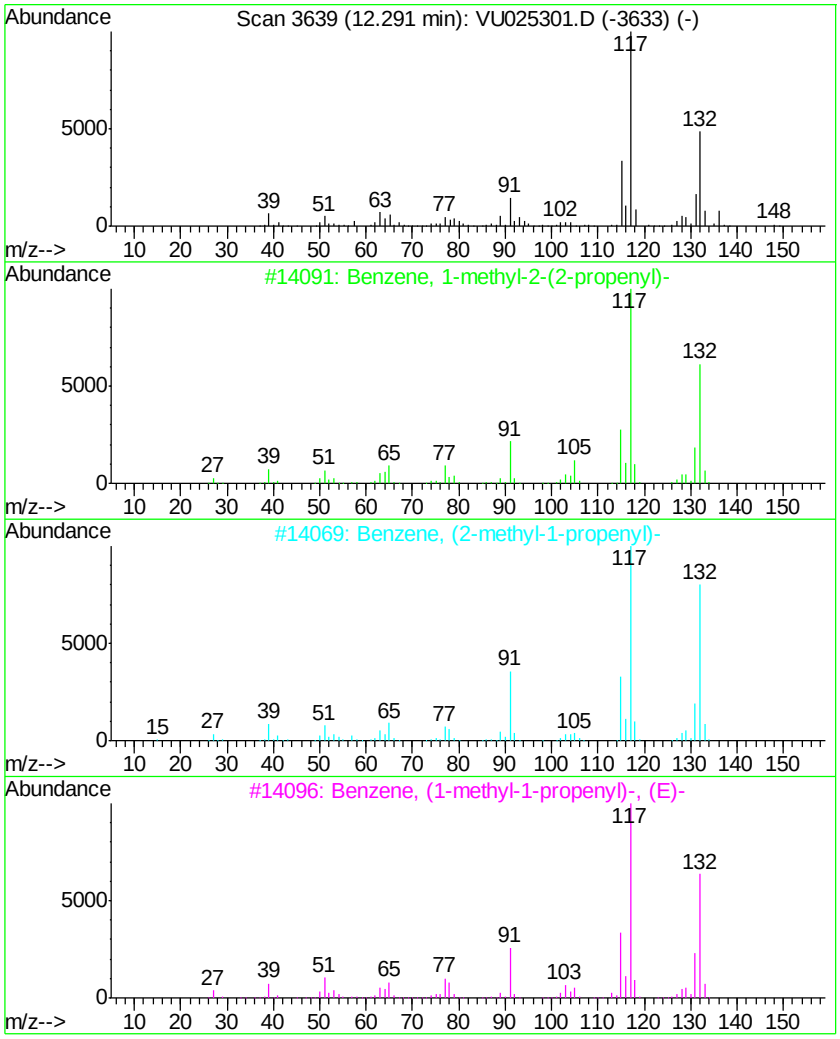
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260

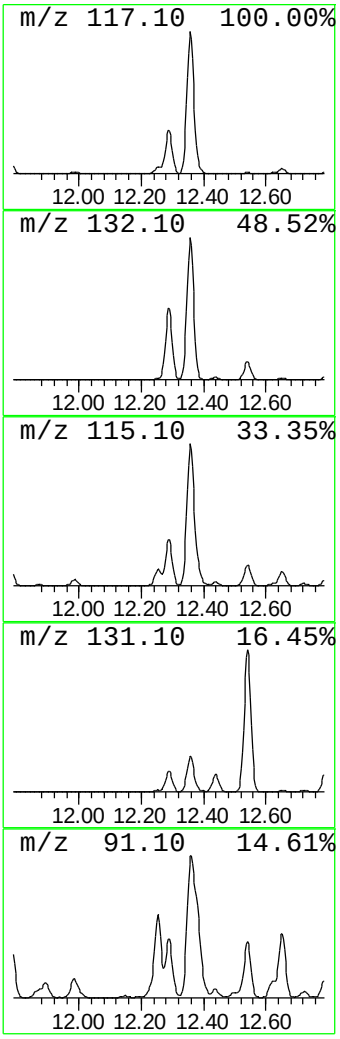
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-methyl-2-(2-prop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	68.12 ug/l	1293700	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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

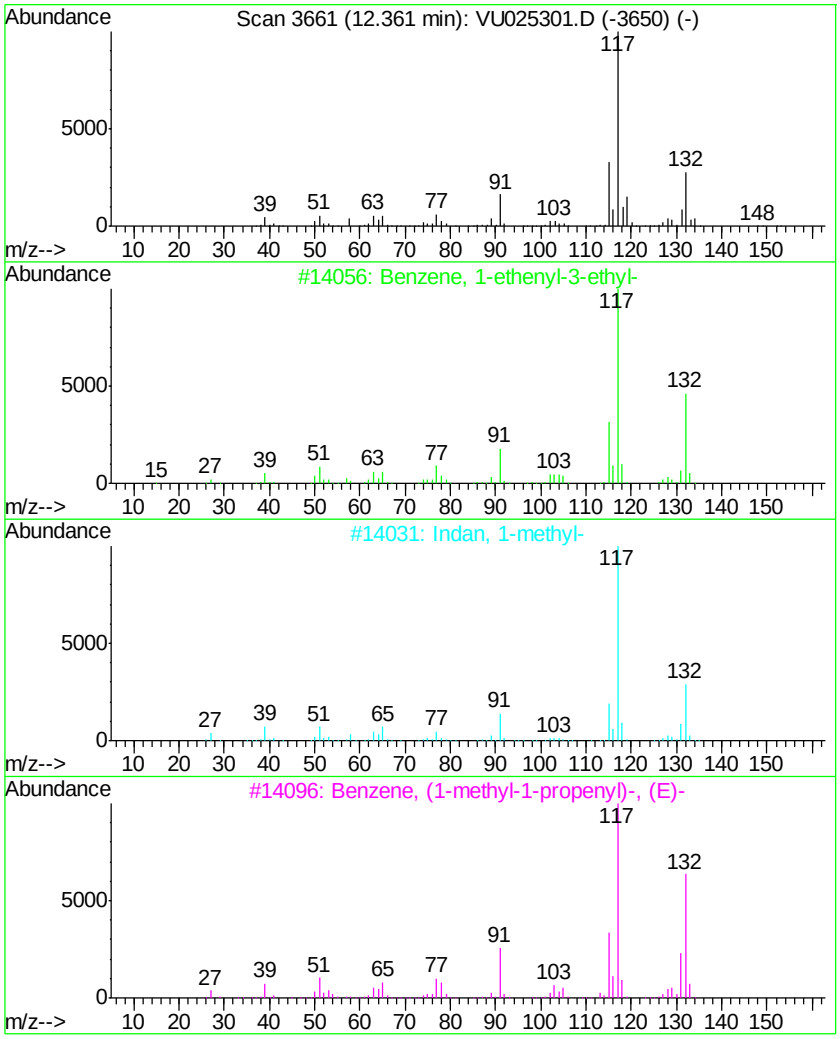
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

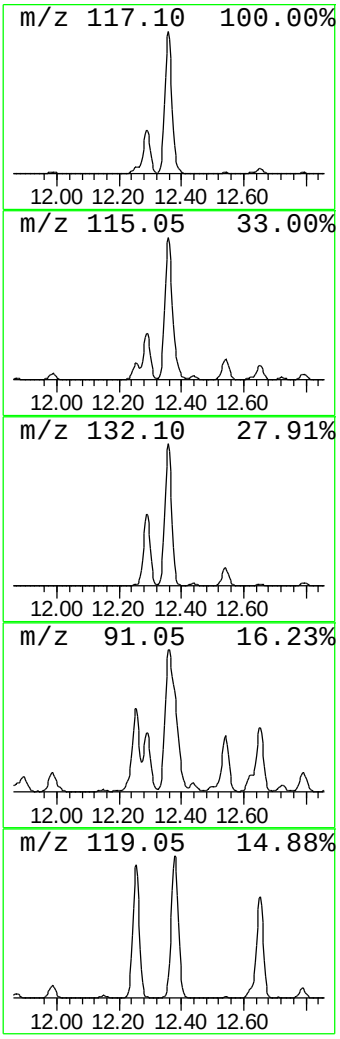
****

Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	263.09 ug/l	4996420	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	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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

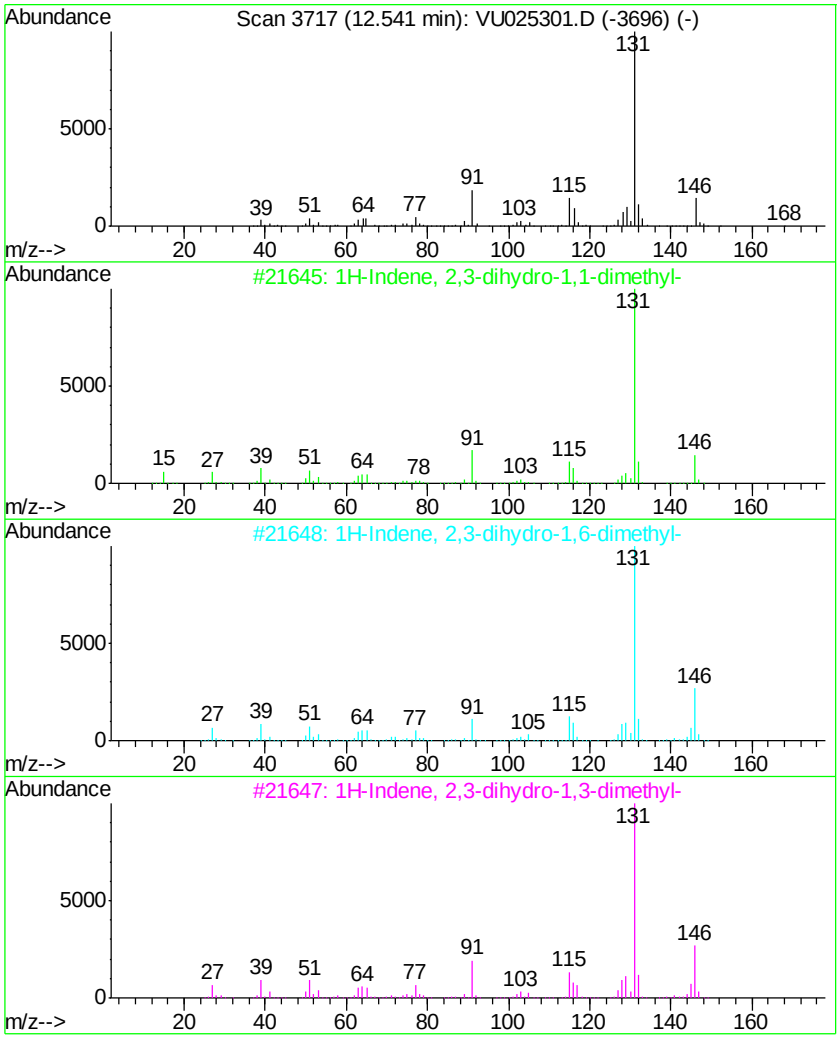
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

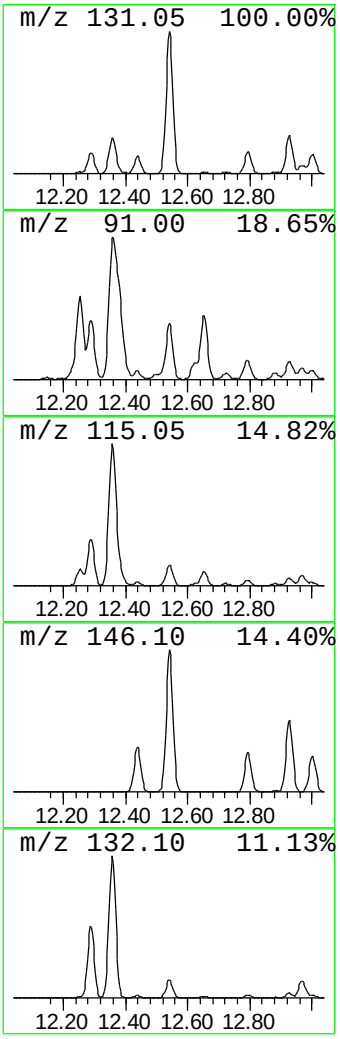
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	66.51 ug/l	1263140	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	93
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	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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

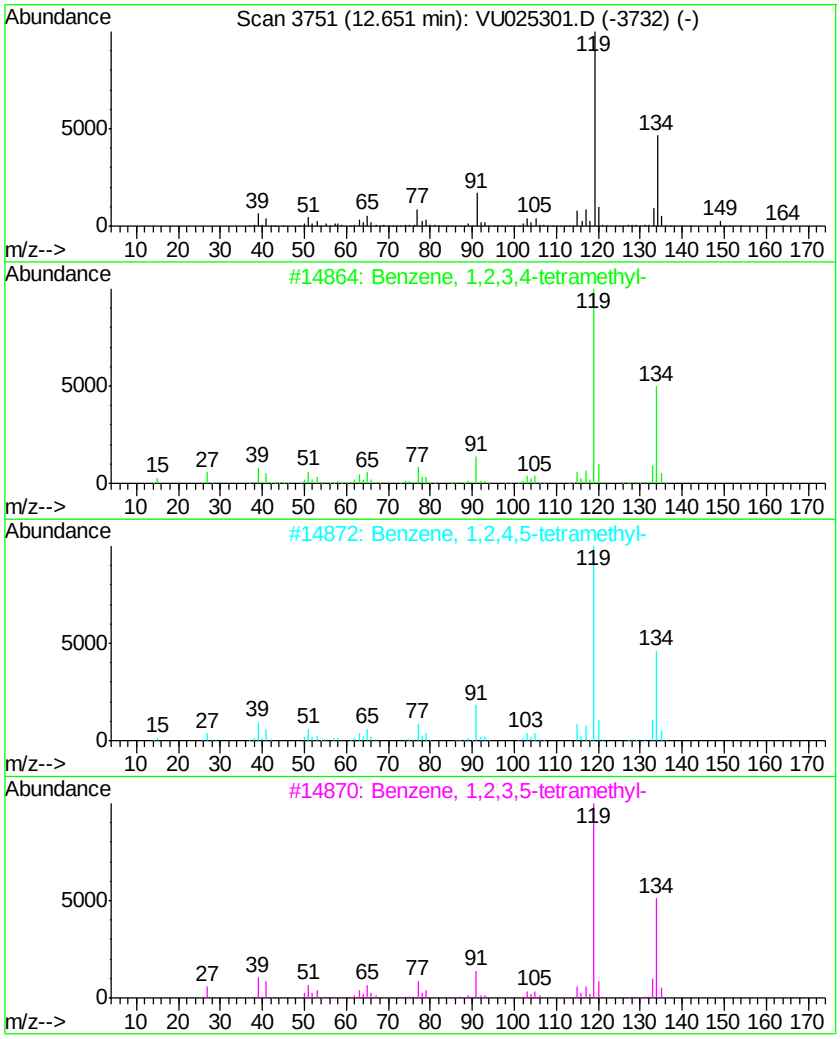
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

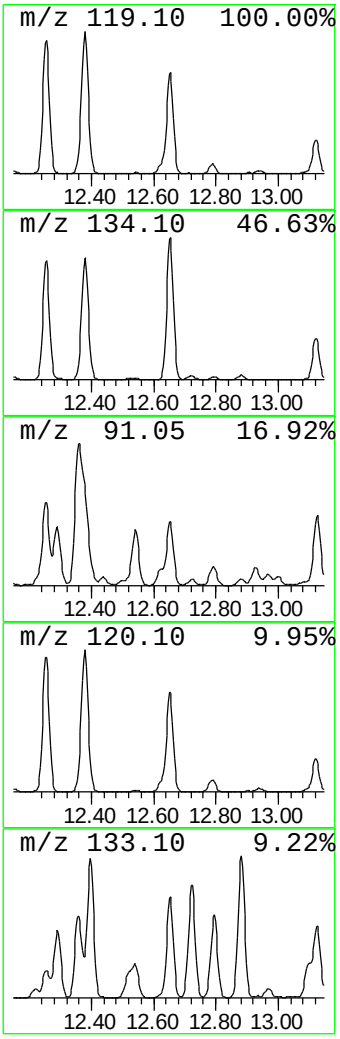
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	89.50 ug/l	1699630	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	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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

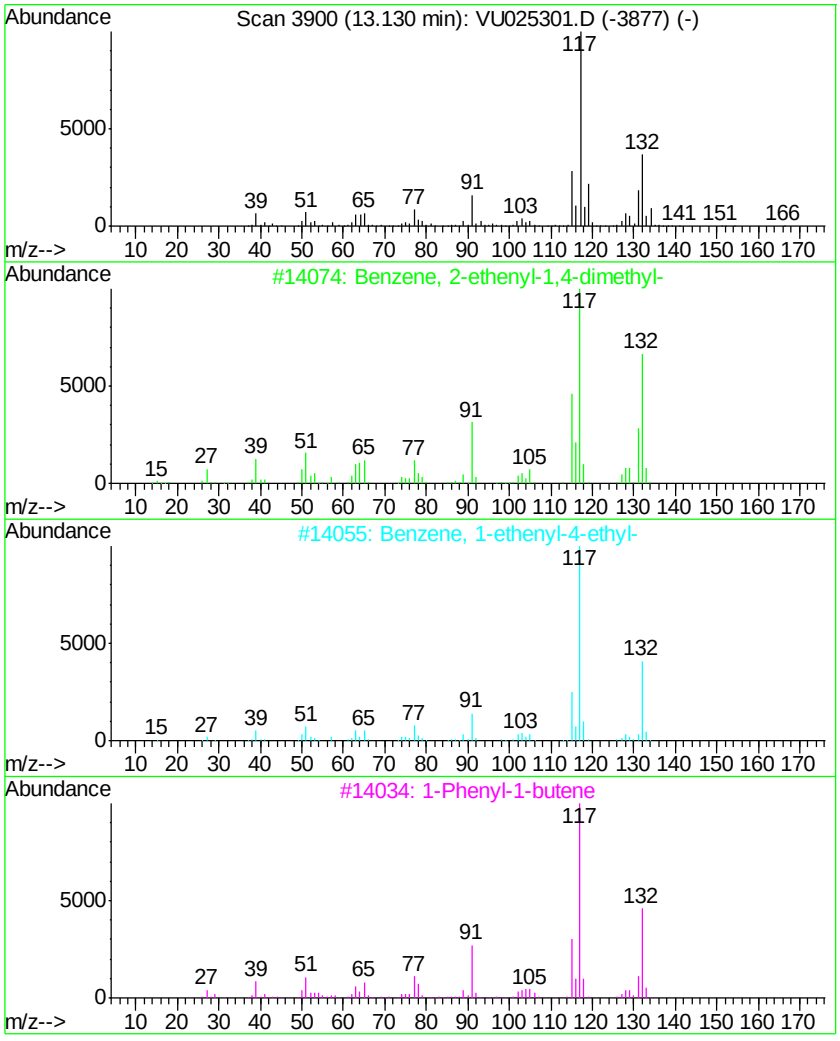
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

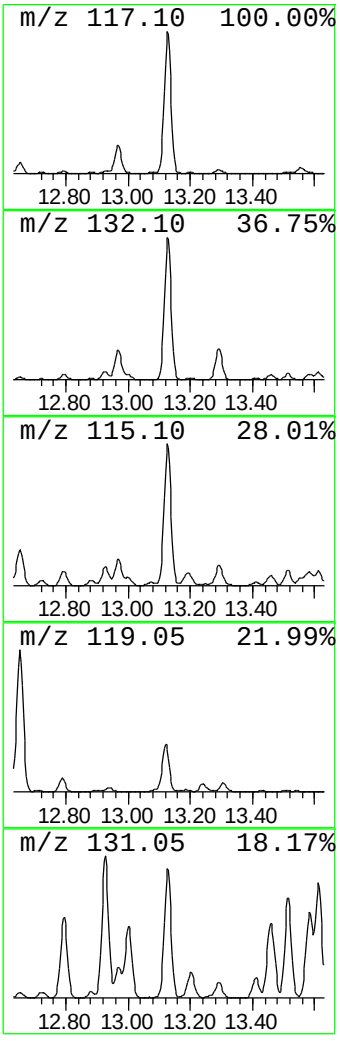
****

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	111.35 ug/l	2114720	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	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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

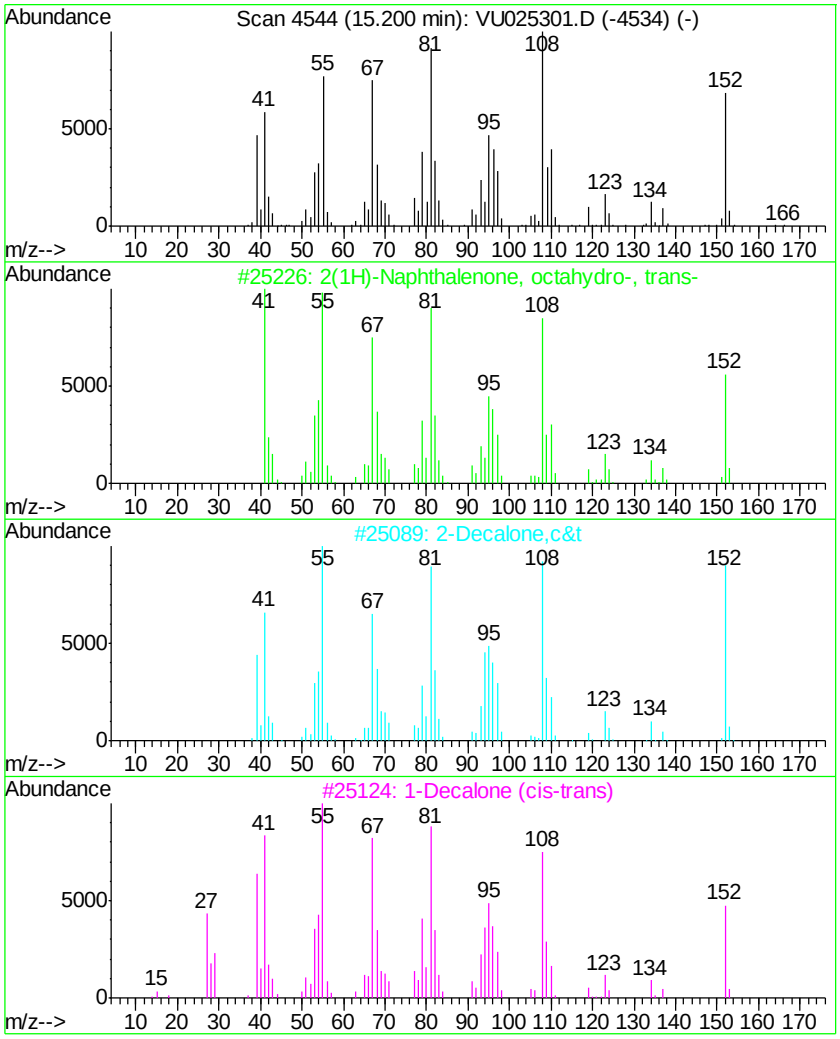
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

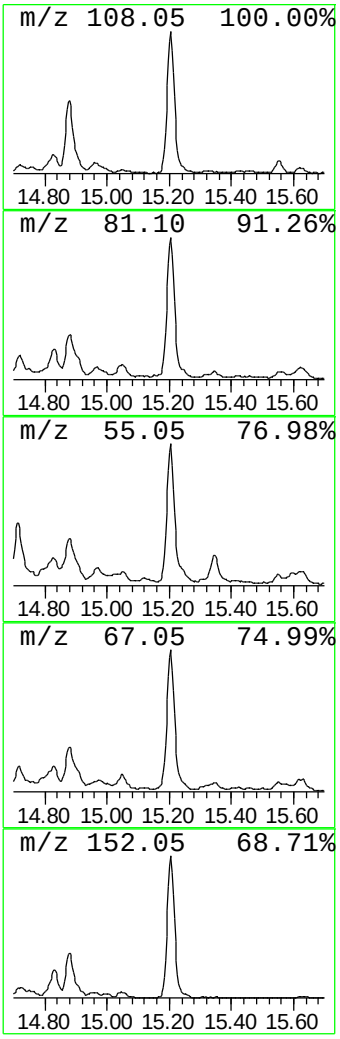
****

Peak Number 10 2(1H)-Naphthalenone, octahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	35.75 ug/l	678990	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	97
2	2-Decalone,c&t	152	C10H16O	004832-17-1	94
3	1-Decalone (cis-trans)	152	C10H16O	004832-16-0	94
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	60
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071018\
Data File : VU025301.D
Acq On : 10 Jul 2018 20:08
Operator : MD/SY
Sample : J3898-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : SS038MW009-180705

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
Benzene, 1-methyl...	11.69	51.5	ug/l	978808	4	11.49	949550	50.0
Benzene, 1,3-diet...	11.78	86.9	ug/l	1650740	4	11.49	949550	50.0
Benzene, 1-ethyl-...	12.26	79.9	ug/l	1517510	4	11.49	949550	50.0
Benzene, 1-methyl...	12.29	68.1	ug/l	1293700	4	11.49	949550	50.0
Benzene, 1-etheny...	12.36	263.1	ug/l	4996420	4	11.49	949550	50.0
1H-Indene, 2,3-di...	12.54	66.5	ug/l	1263140	4	11.49	949550	50.0
Benzene, 1,2,3,4-...	12.65	89.5	ug/l	1699630	4	11.49	949550	50.0
Benzene, 2-etheny...	13.13	111.3	ug/l	2114720	4	11.49	949550	50.0
2(1H)-Naphthaleno...	15.20	35.8	ug/l	678990	4	11.49	949550	50.0