LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR021220WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.713	2587	2604	2635	rVB	1294263	2122328	1.02%	0.534%
2	11.484	3136	3155	3167	rBV	2705998	4182300	2.02%	1.052%
3	11.751	3223	3238	3249	rBV3	1200237	2401972	1.16%	0.604%
4	12.118	3334	3352	3369	rBV	21493155	33539658	16.19%	8.437%
5	12.340	3403	3421	3434	rBV2	30454863	49030805	23.67%	12.334%
6	12.947	3599	3610	3619	rBV	1561714	2498493	1.21%	0.629%
7	13.053	3632	3643	3653	rBV	3756171	6801101	3.28%	1.711%
8	13.484	3756	3777	3787	rBV2	1754962	2940375	1.42%	0.740%
9	13.549	3787	3797	3817	rVB	1797069	2963938	1.43%	0.746%
10	13.661	3817	3832	3847	rBV2	1710031	2975455	1.44%	0.748%
11	14.150	3957	3984	3993	rBV6	63264367	207183899	100.00%	52.119%
12	14.266	4008	4020	4032	rBV	7250055	10927678	5.27%	2.749%
13	15.278	4321	4335	4358	rVV	31175367	51011296	24.62%	12.832%
14	15.462	4379	4392	4419	rVB	11925030	18945361	9.14%	4.766%

Sum of corrected areas: 397524659

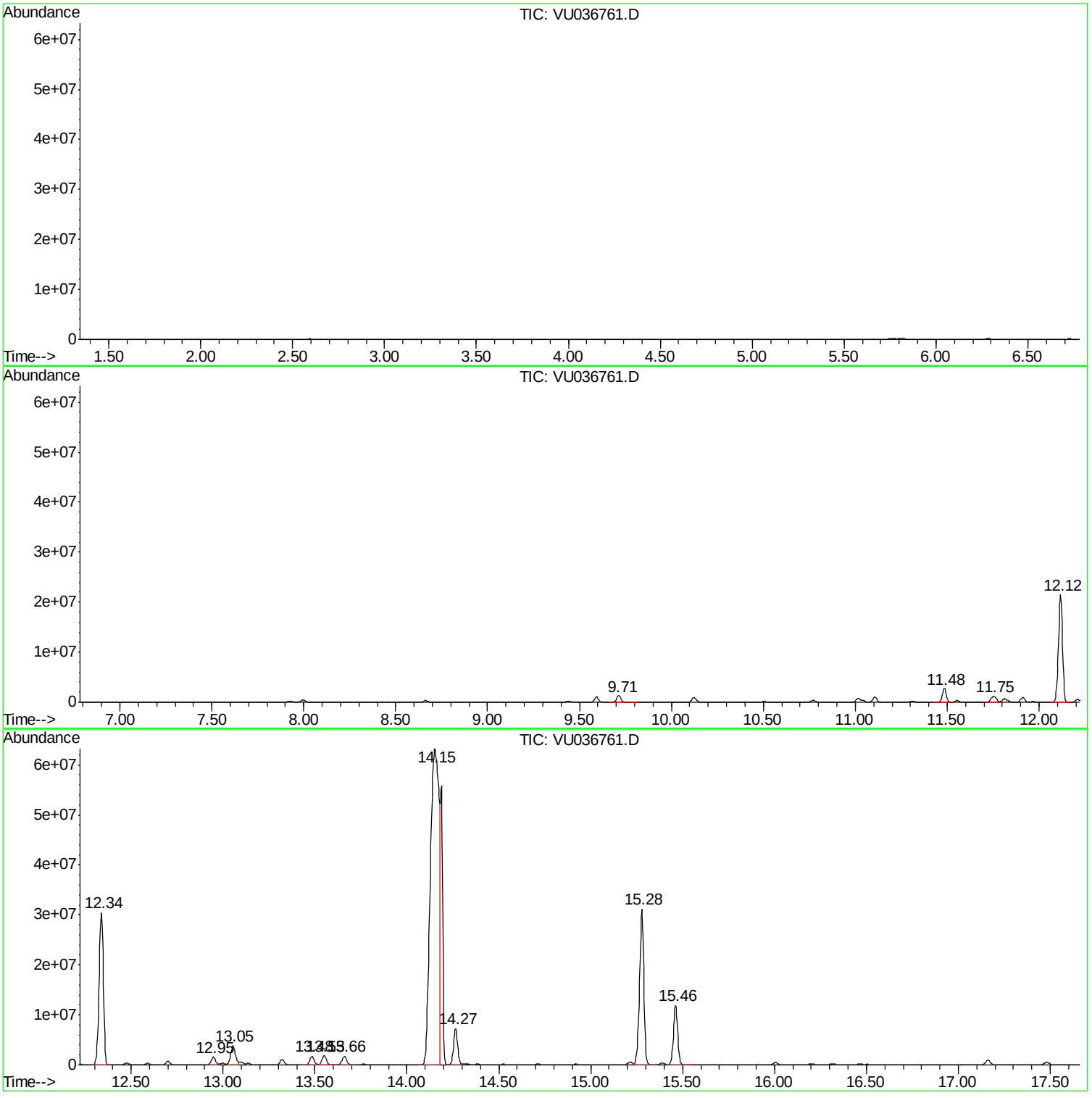
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

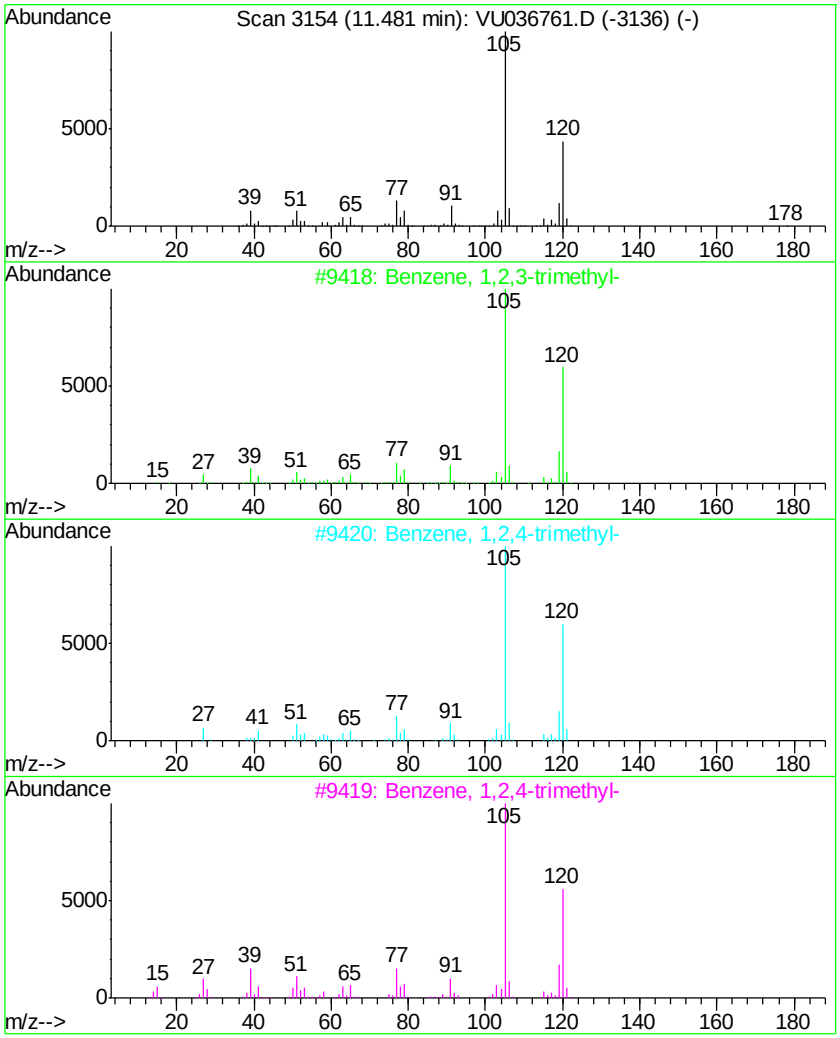
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

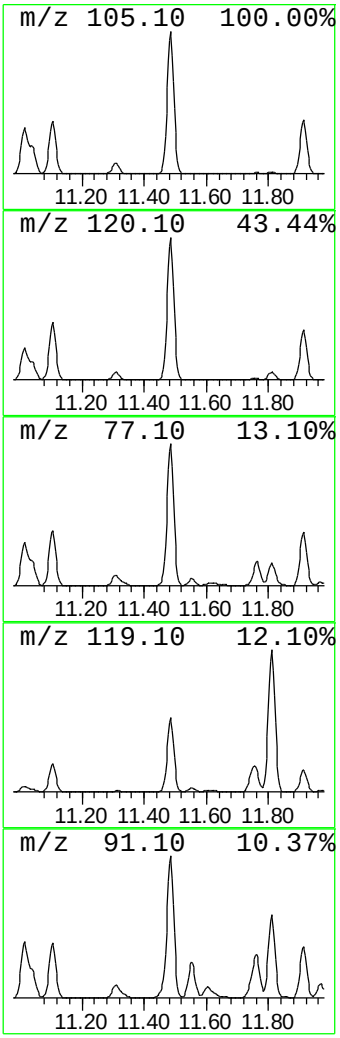
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	8.71 ug/L	4182300	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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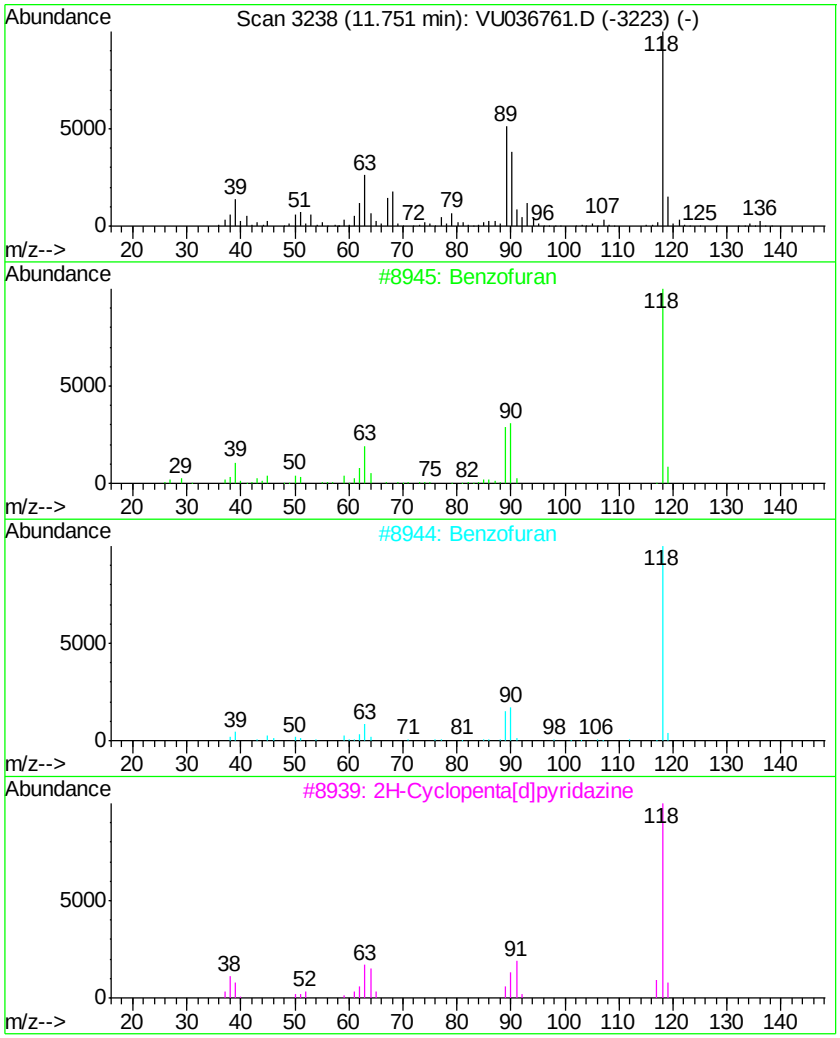
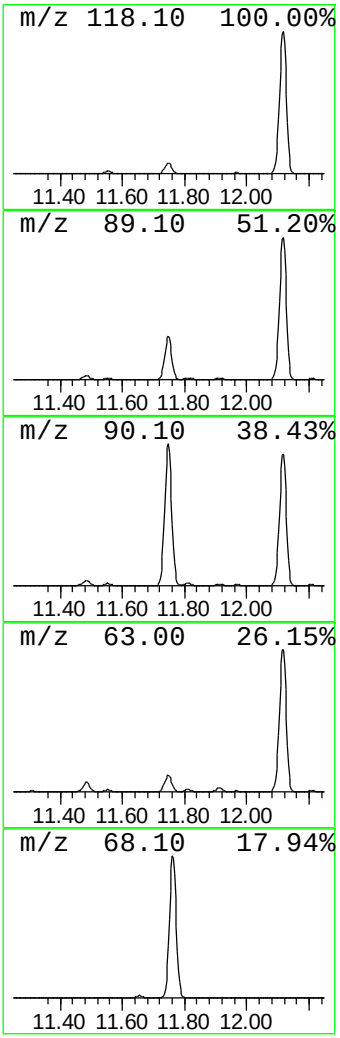
Peak Number 2 Benzofuran Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.00 ug/L	2401970	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	81
2	Benzofuran	118	C8H6O	000271-89-6	80
3	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	53
4	1H-Benzimidazole	118	C7H6N2	000051-17-2	49
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

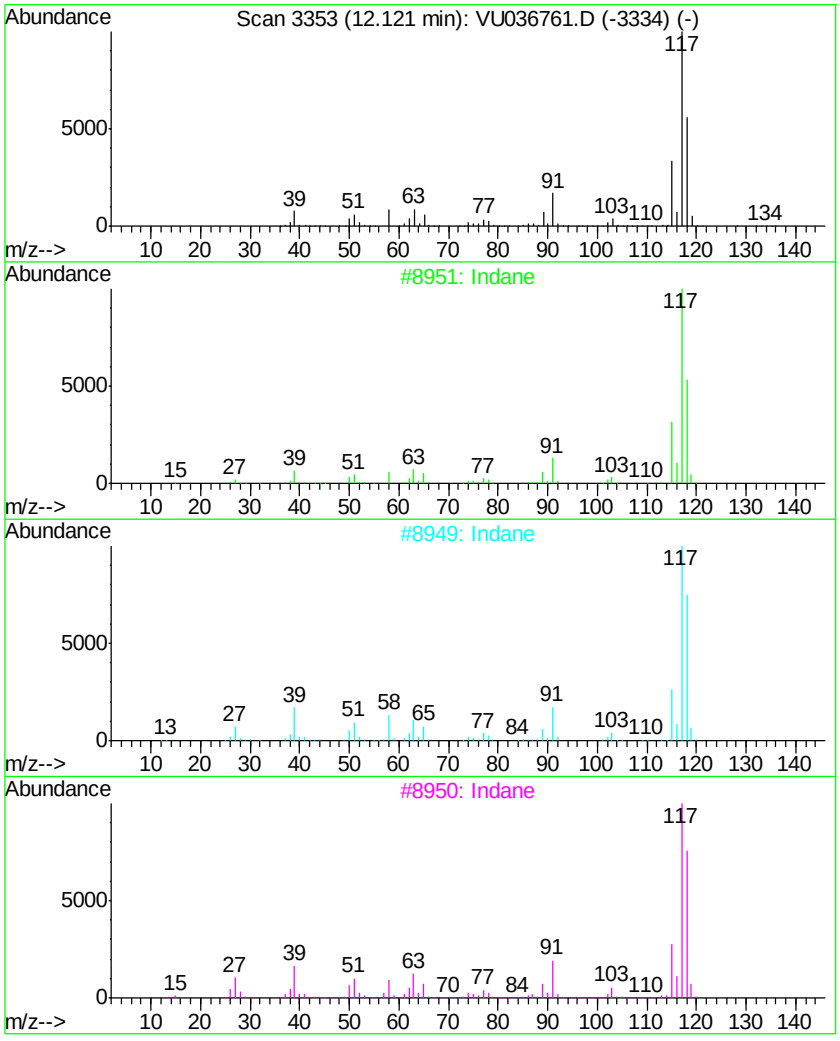
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

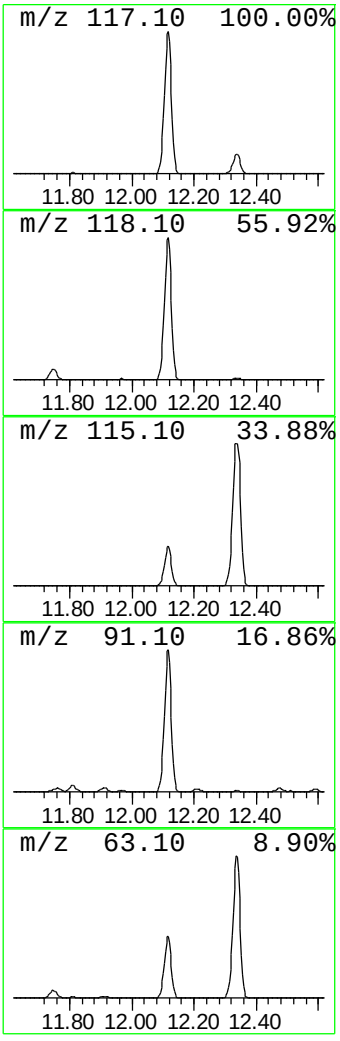
****

Peak Number 3 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	69.82 ug/L	33539700	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	81
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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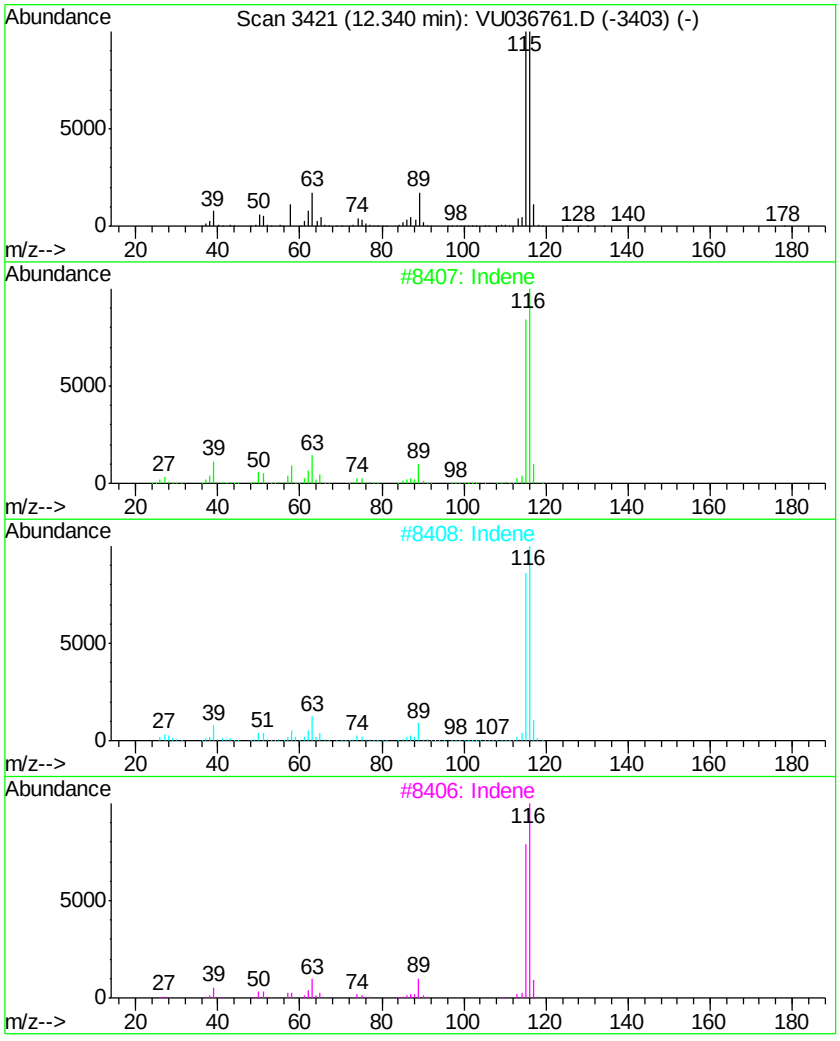
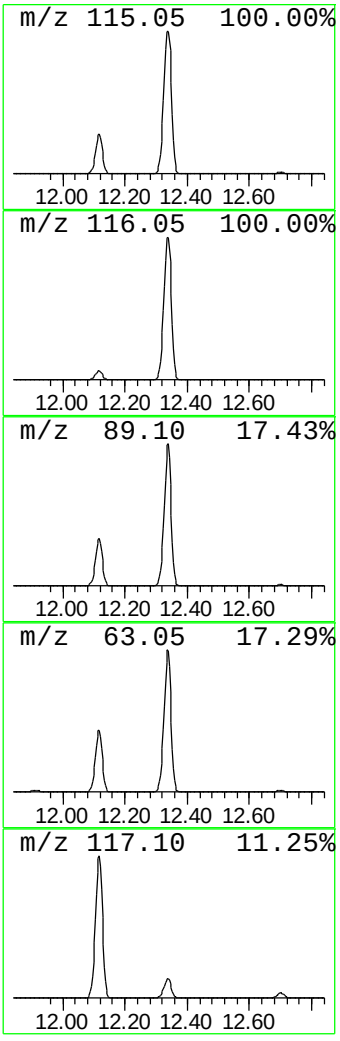
Peak Number 4 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	102.06 ug/L	49030800	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

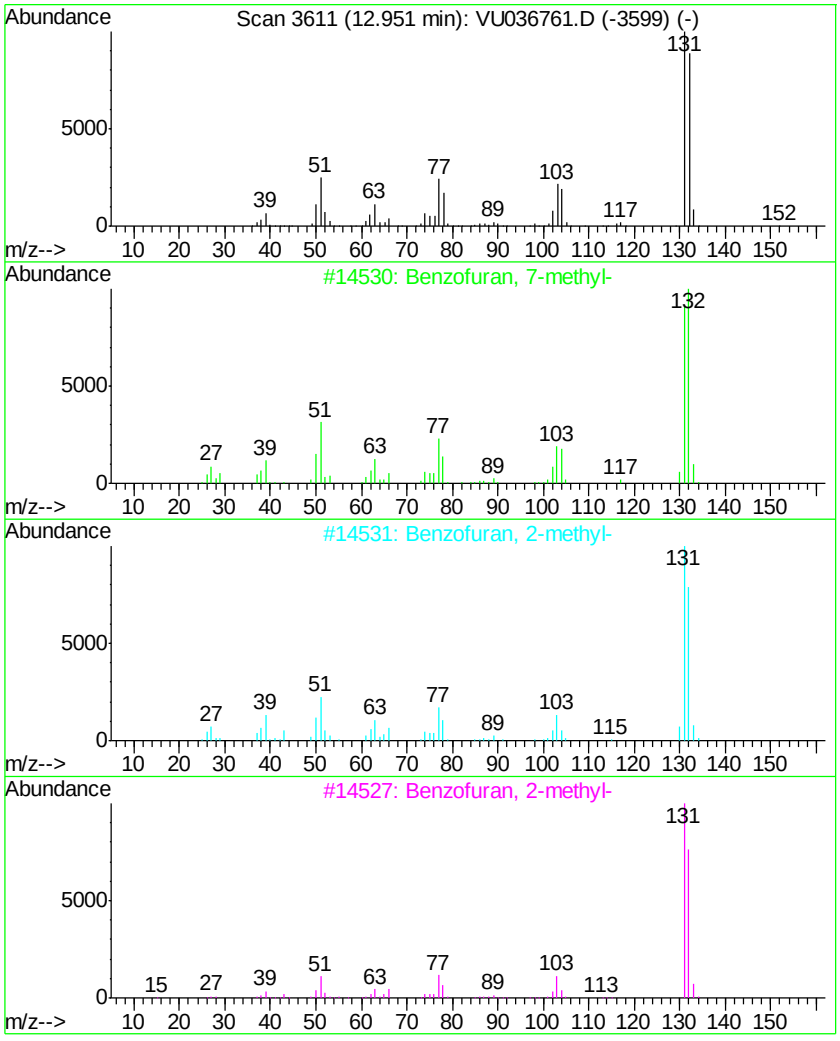
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

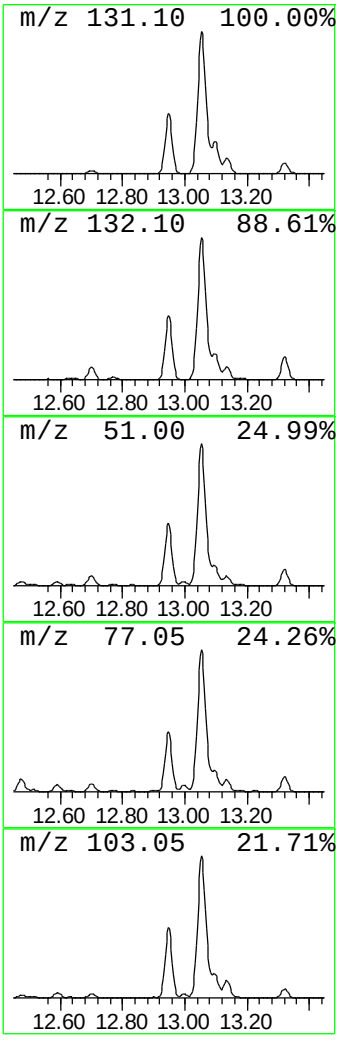
****

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	5.20 ug/L	2498490	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	97
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

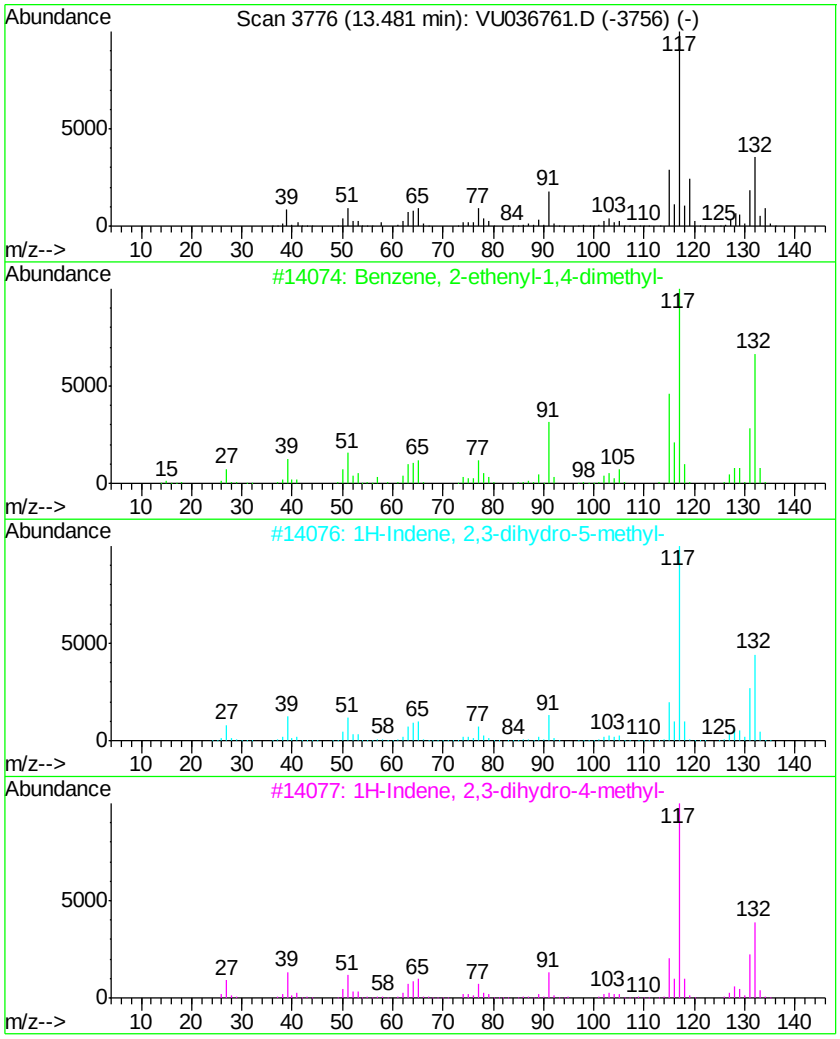
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

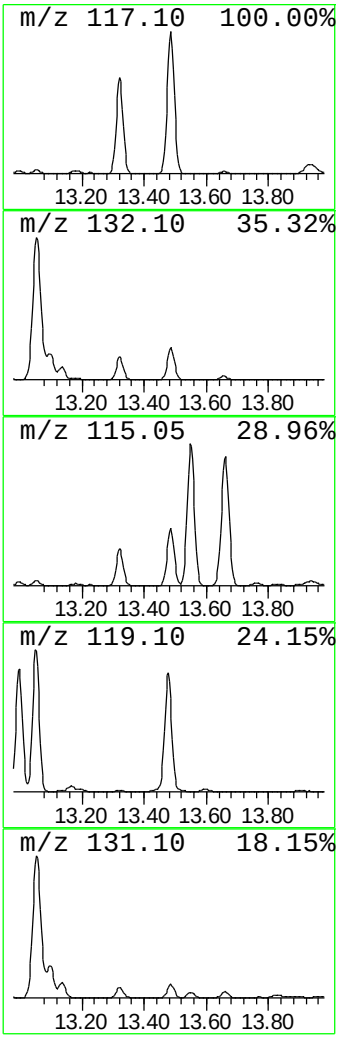
****

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	6.12 ug/L	2940380	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

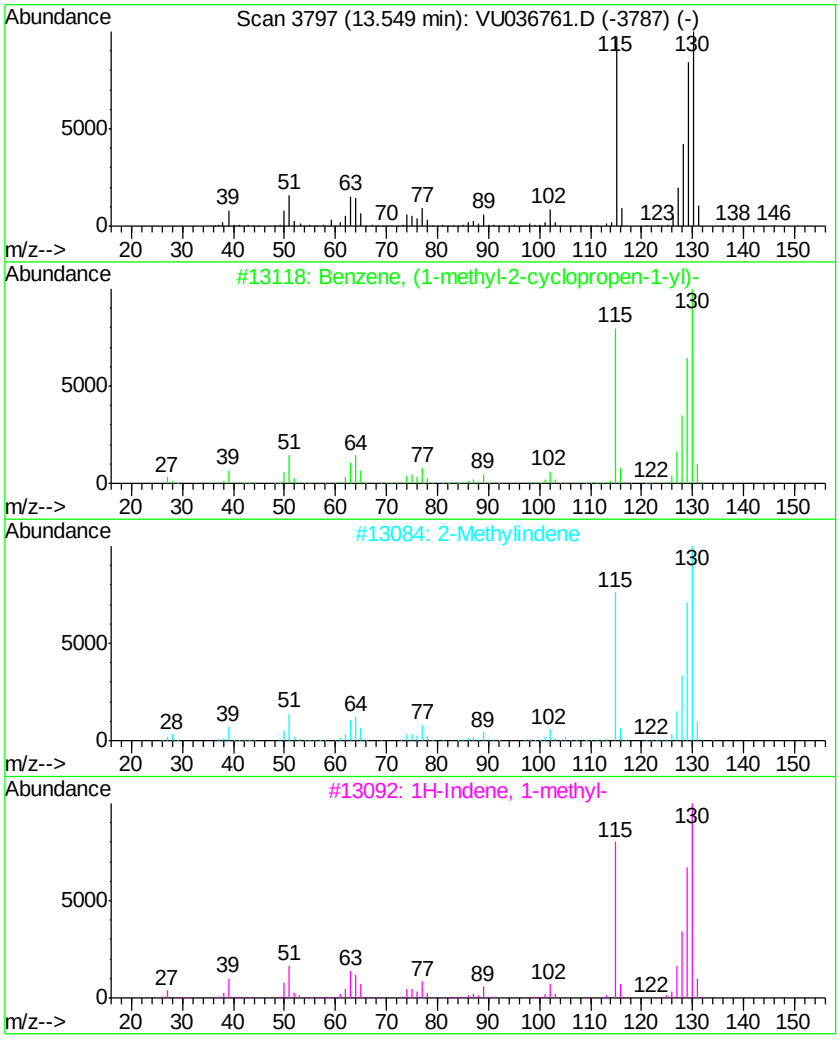
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

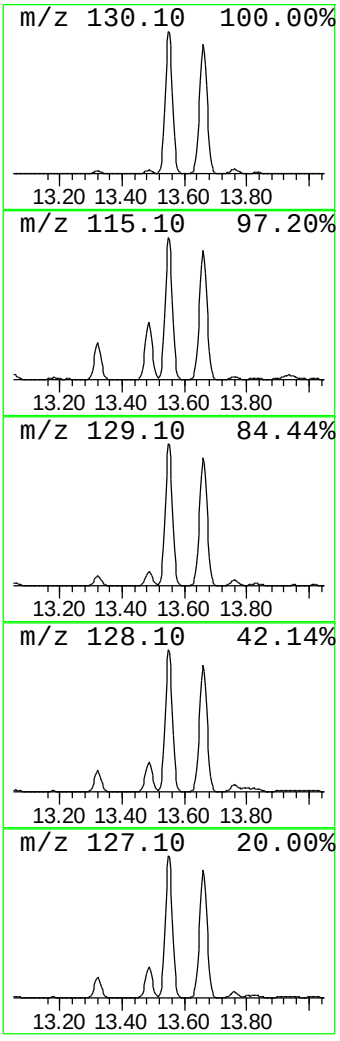
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (1-methyl-2-cyclop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	6.17 ug/L	2963940	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

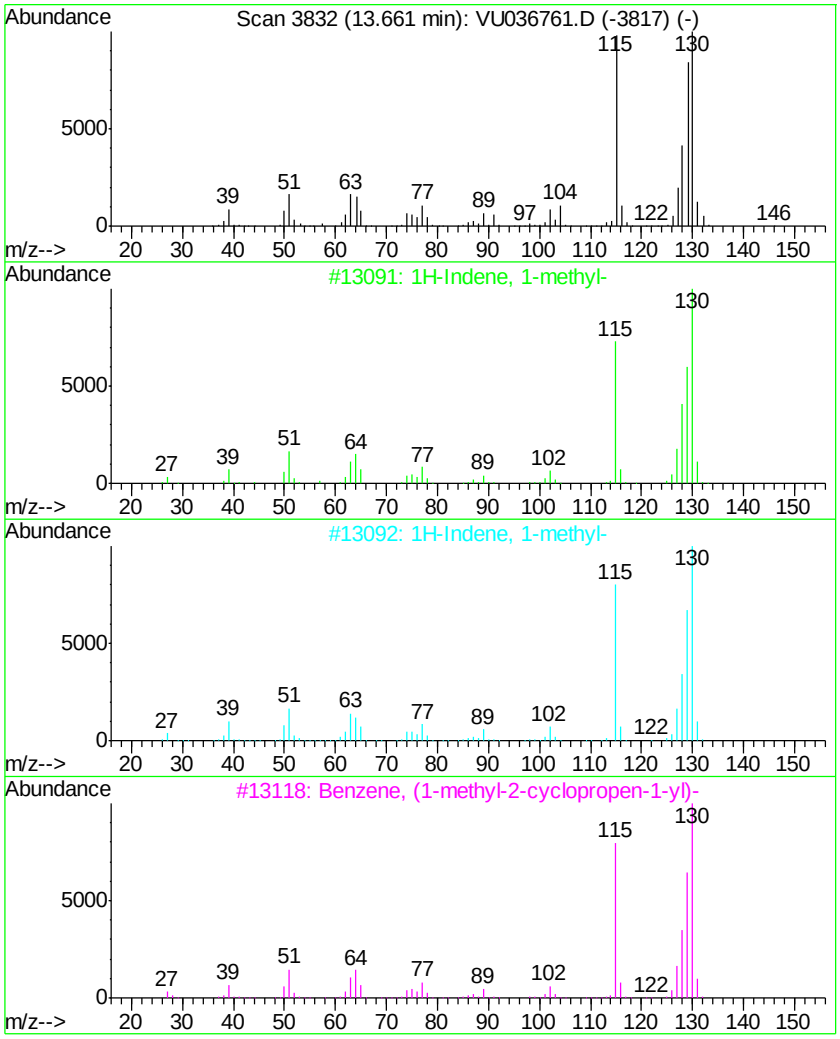
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

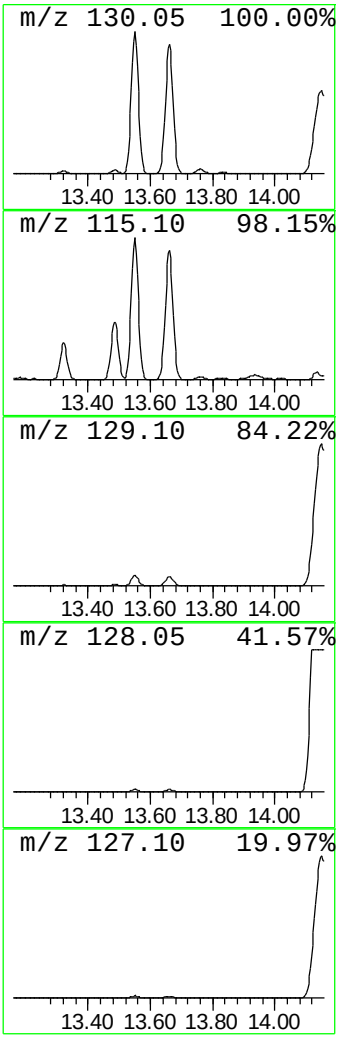
****

Peak Number 9 1H-Indene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	6.19 ug/L	2975460	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
4	2-Methylindene	130	C10H10	002177-47-1	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

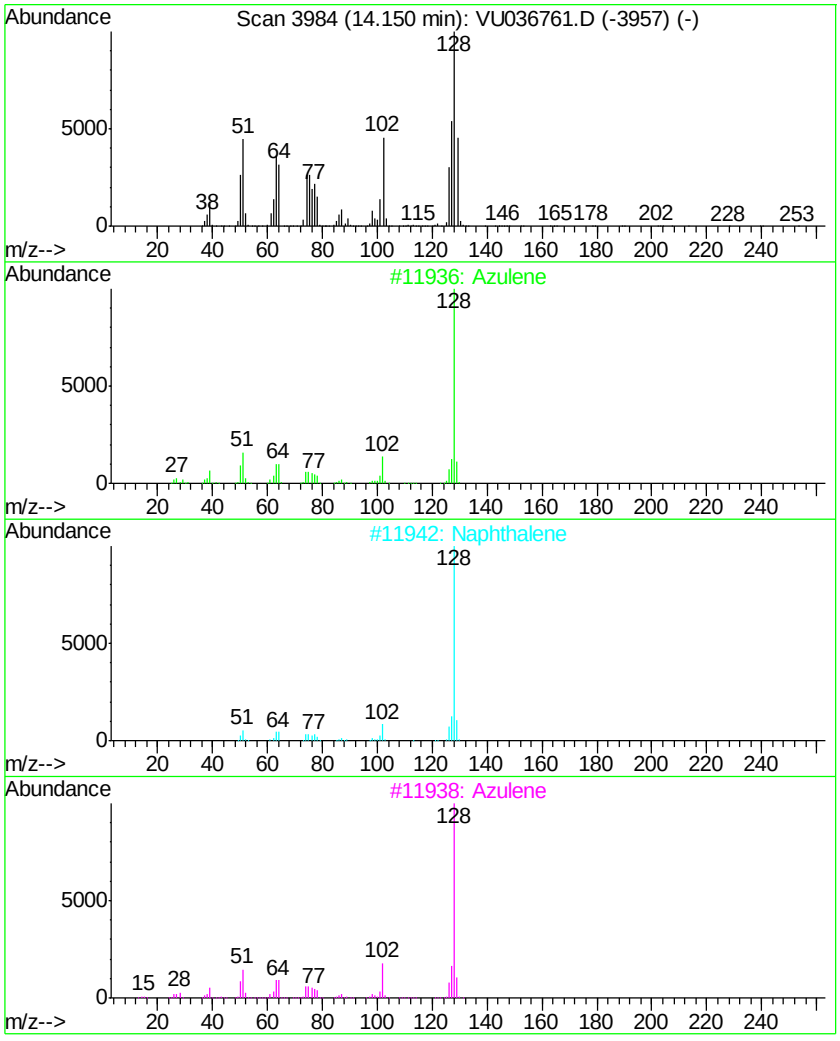
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

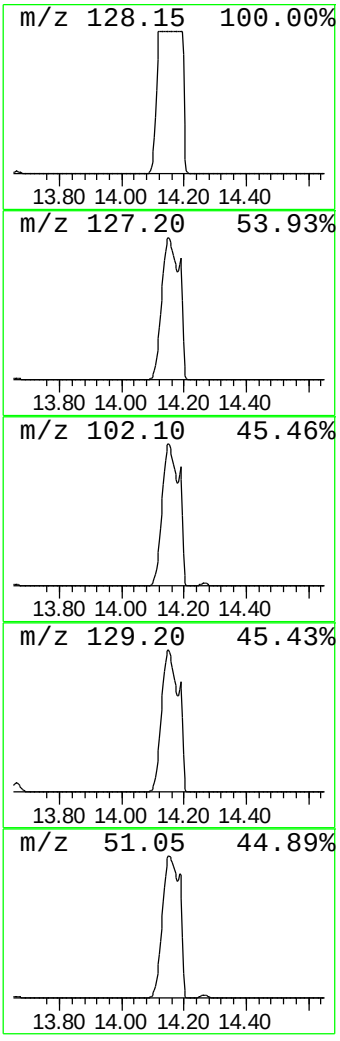
****

Peak Number 10 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	431.28 ug/L	207184000	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	95
2	Naphthalene	128	C10H8	000091-20-3	95
3	Azulene	128	C10H8	000275-51-4	90
4	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	89
5	Azulene	128	C10H8	000275-51-4	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

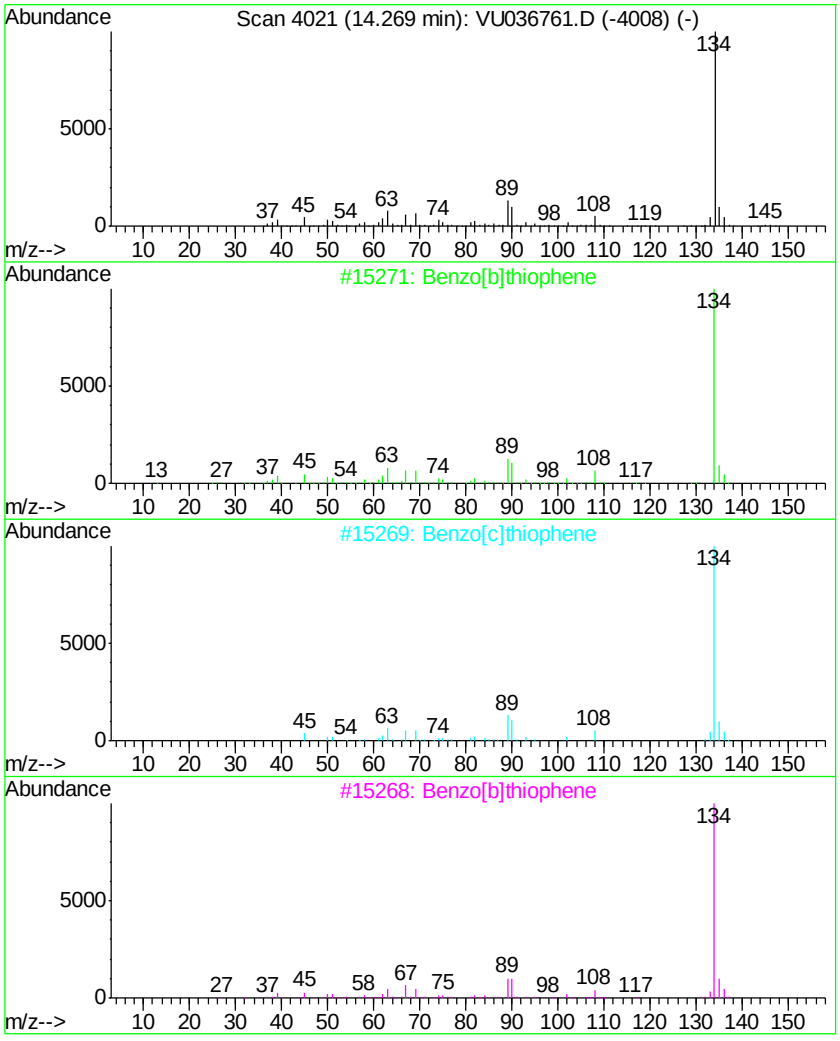
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

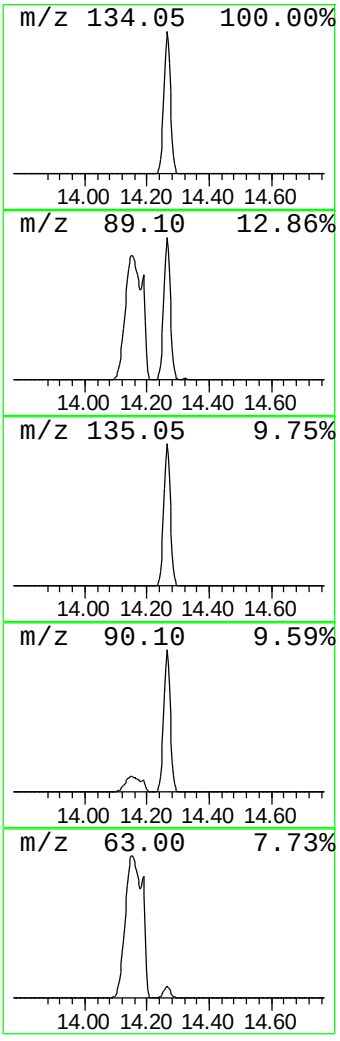
****

Peak Number 11 Benzo[b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	22.75 ug/L	10927700	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

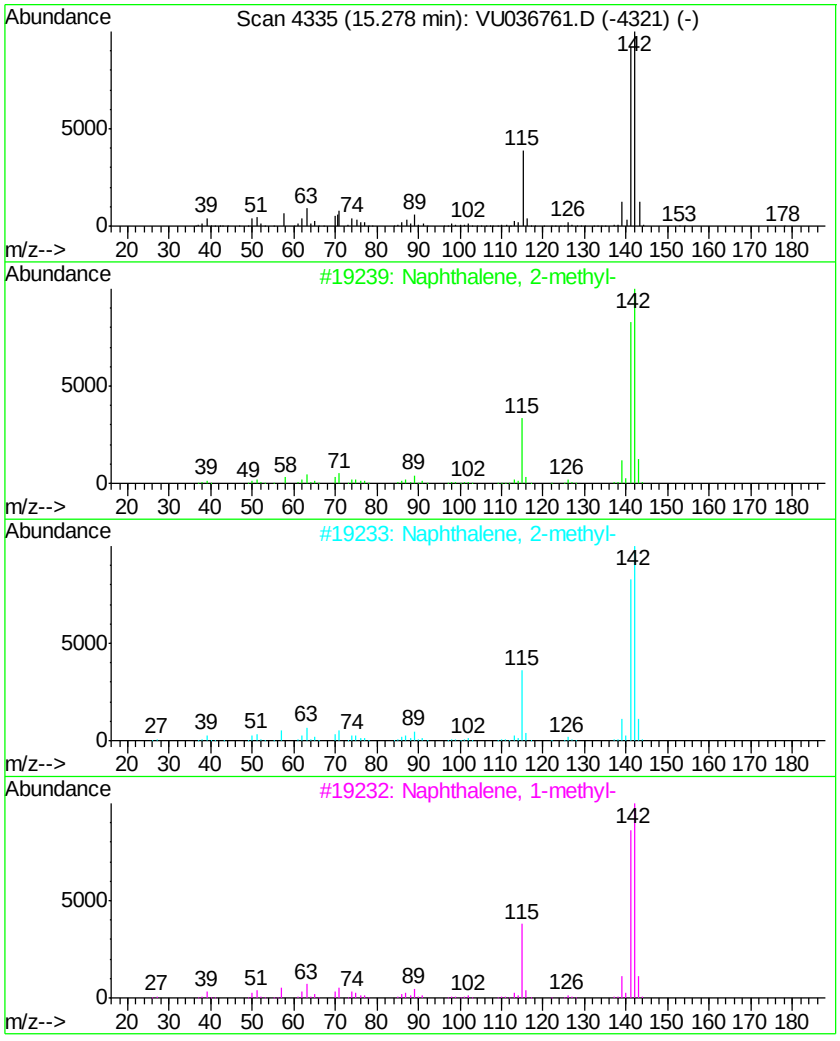
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

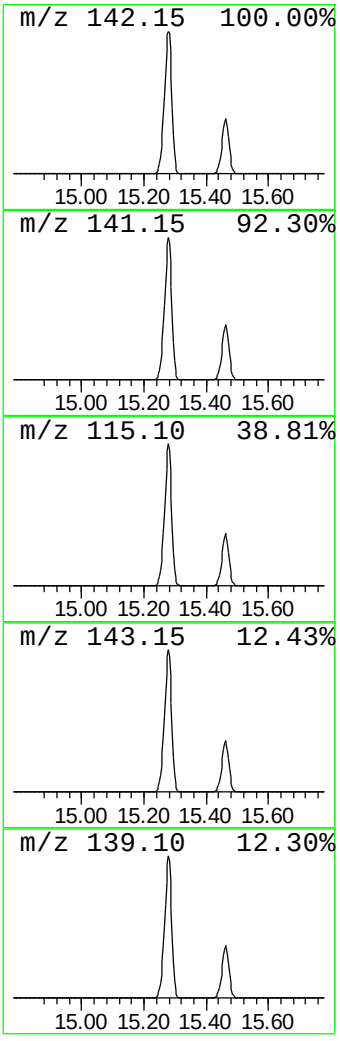
****

Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	106.19 ug/L	51011300	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036761.D
Acq On : 12 Feb 2020 19:41
Operator : JC/MD
Sample : L1487-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCW6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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, 1,2,3-tr...	11.48	8.7	ug/L	4182300	3	11.83	2401970	5.0
Benzofuran	11.75	5.0	ug/L	2401970	3	11.83	2401970	5.0
Indane	12.12	69.8	ug/L	33539700	3	11.83	2401970	5.0
Indene	12.34	102.1	ug/L	49030800	3	11.83	2401970	5.0
Benzofuran, 7-met...	12.95	5.2	ug/L	2498490	3	11.83	2401970	5.0
Benzene, 2-etheny...	13.48	6.1	ug/L	2940380	3	11.83	2401970	5.0
Benzene, (1-methy...	13.55	6.2	ug/L	2963940	3	11.83	2401970	5.0
1H-Indene, 1-methyl-	13.66	6.2	ug/L	2975460	3	11.83	2401970	5.0
Azulene	14.15	431.3	ug/L	207184000	3	11.83	2401970	5.0
Benzo[b]thiophene	14.27	22.8	ug/L	10927700	3	11.83	2401970	5.0
Naphthalene, 1-me...	15.28	106.2	ug/L	51011300	3	11.83	2401970	5.0