LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

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_V\METHOD\SOMVTR122719WMA.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	1.116	3	8	21	rVB	1760414	1605046	7.11%	2.686%
2	1.315	62	70	80	rBV2	760024	1059801	4.69%	1.773%
3	1.582	145	153	163	rVB	288996	344364	1.52%	0.576%
4	2.132	315	324	334	rVB	470404	654851	2.90%	1.096%
5	3.923	868	881	915	rBV	344759	939458	4.16%	1.572%
6	4.399	1011	1029	1049	rBV	410201	1006095	4.46%	1.683%
7	5.093	1229	1245	1277	rBV3	967089	2481752	10.99%	4.152%
8	5.662	1409	1422	1446	rBV	942639	1872373	8.29%	3.133%
9	6.116	1547	1563	1583	rBV	554476	1127201	4.99%	1.886%
10	7.029	1836	1847	1868	rVB	284370	507164	2.25%	0.849%
11	7.357	1937	1949	1965	rBV	1194788	2064738	9.14%	3.455%
12	7.662	2031	2044	2061	rBV2	183007	321623	1.42%	0.538%
13	8.129	2176	2189	2224	rBV	1172745	2514700	11.14%	4.208%
14	8.891	2411	2426	2445	rBV	1356954	2247718	9.95%	3.761%
15	9.055	2465	2477	2487	rBV	187298	291169	1.29%	0.487%
16	9.177	2506	2515	2533	rVB	157440	261365	1.16%	0.437%
17	10.257	2840	2851	2864	rVB	413360	636723	2.82%	1.065%
18	10.489	2913	2923	2939	rBV	164436	389835	1.73%	0.652%
19	10.955	3057	3068	3084	rBV	319506	486688	2.16%	0.814%
20	11.289	3161	3172	3189	rVV	1405515	2189036	9.69%	3.663%
21	11.569	3245	3259	3278	rBV	4185899	6567655	29.08%	10.989%
22	11.665	3278	3289	3308	rVB	1058015	1715484	7.60%	2.870%
23	12.402	3507	3518	3527	rBV	147695	231664	1.03%	0.388%
24	12.508	3541	3551	3562	rBV2	275831	486991	2.16%	0.815%
25	13.096	3722	3734	3744	rBV2	157995	257383	1.14%	0.431%
26	13.543	3859	3873	3895	rBV	14173777	22581264	100.00%	37.783%
27	13.665	3899	3911	3922	rVV	451043	693999	3.07%	1.161%
28	14.675	4214	4225	4242	rBV	1199250	1875285	8.30%	3.138%
29	14.861	4272	4283	4299	rBV	1033593	1617926	7.16%	2.707%
30	15.408	4443	4453	4465	rBV	150941	235949	1.04%	0.395%
31	16.533	4792	4803	4821	rBV2	297796	500197	2.22%	0.837%

Sum of corrected areas: 59765497

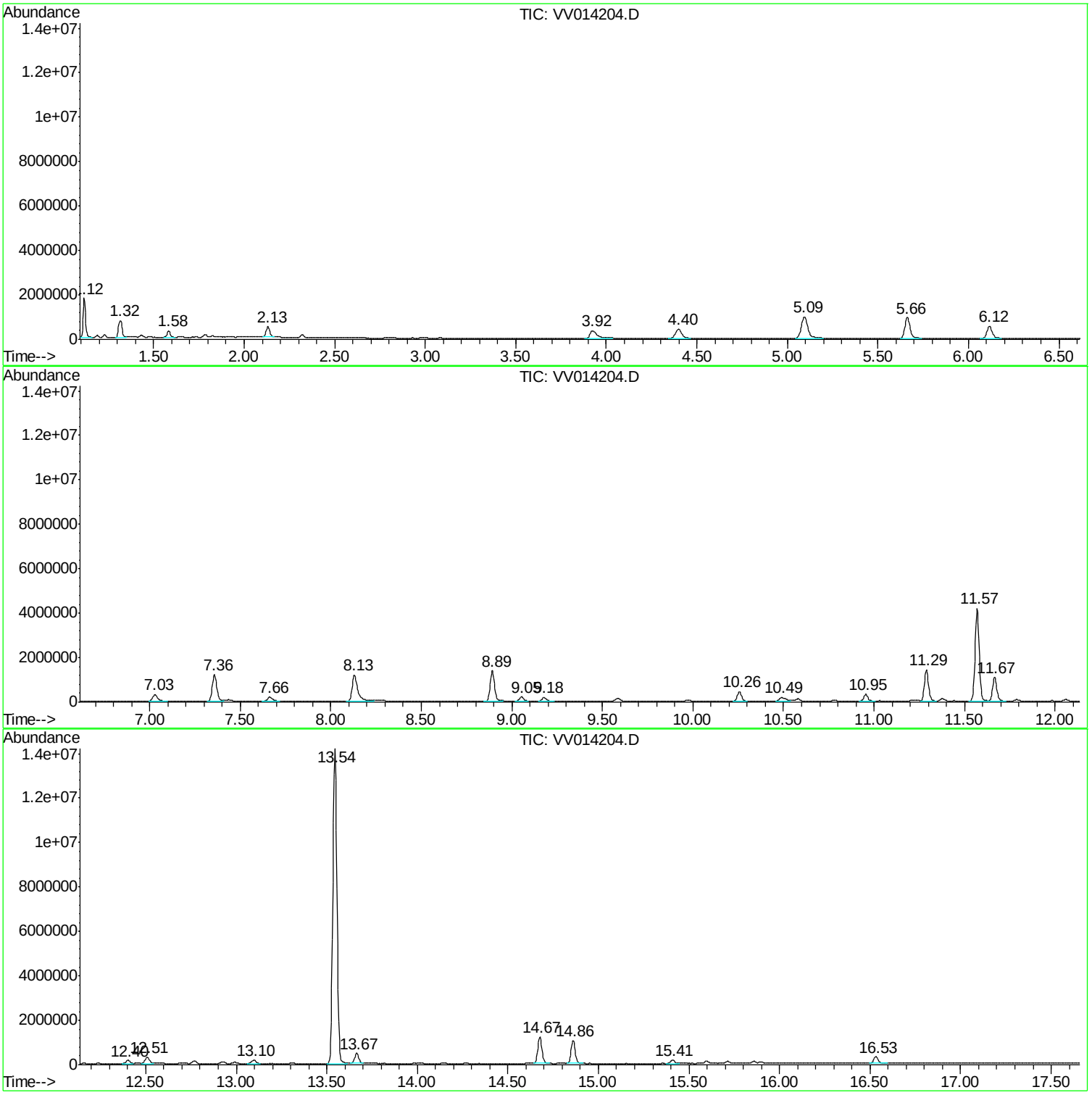
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
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Instrument : MSVOA_V
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

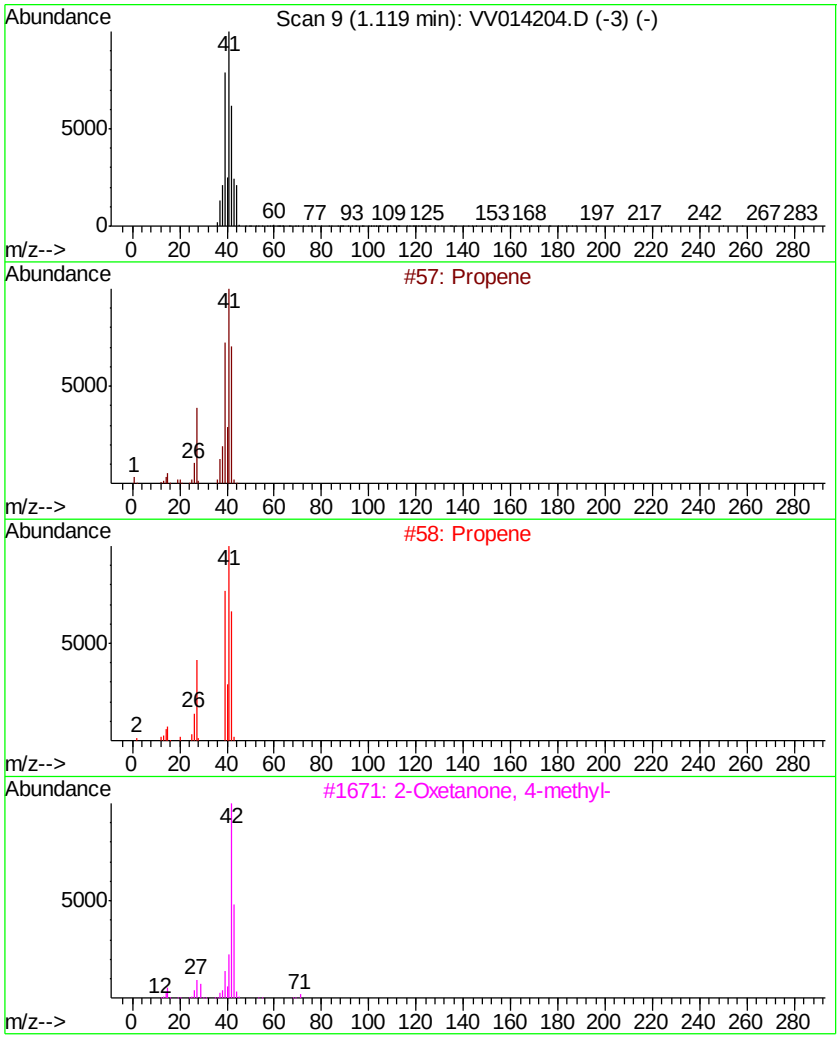
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

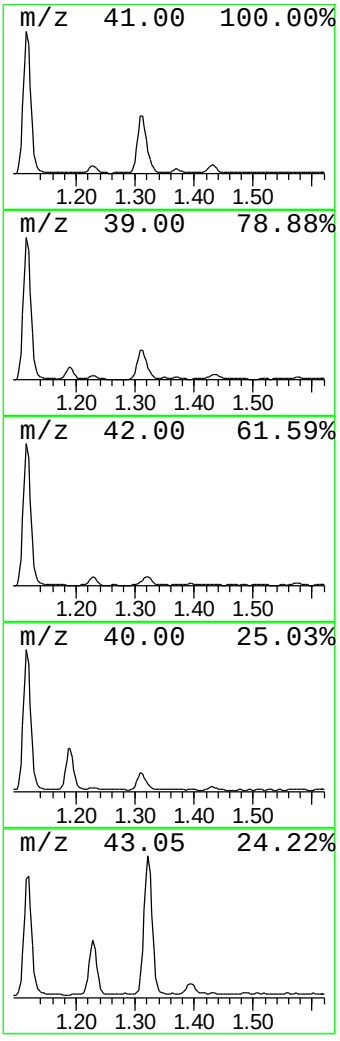
****

Peak Number 1 (DEL) Alkane: Cyclic1.12 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	4.29 ug/L	1605050	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropane	42	C3H6	000075-19-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

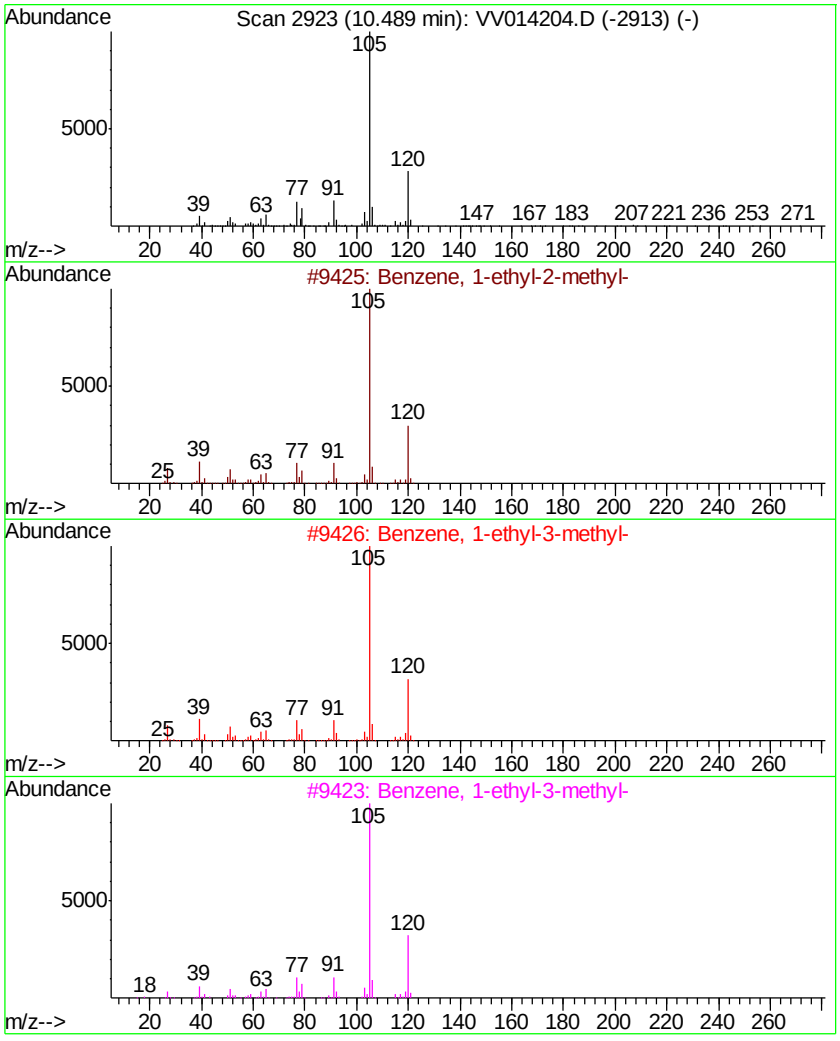
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

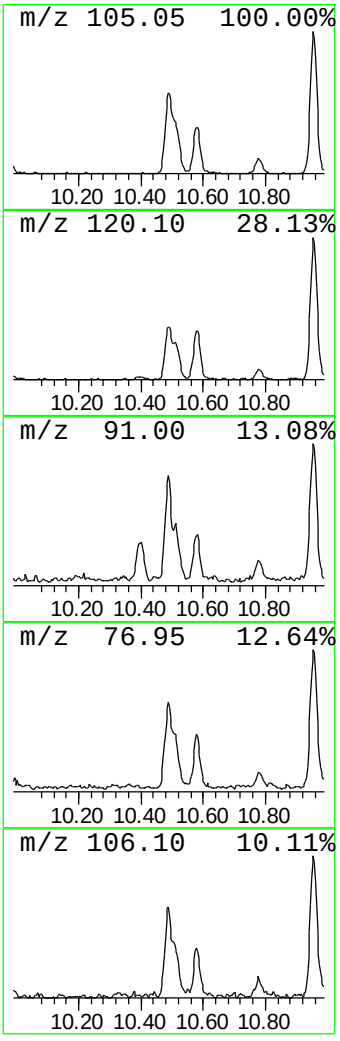
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	0.89 ug/L	389835	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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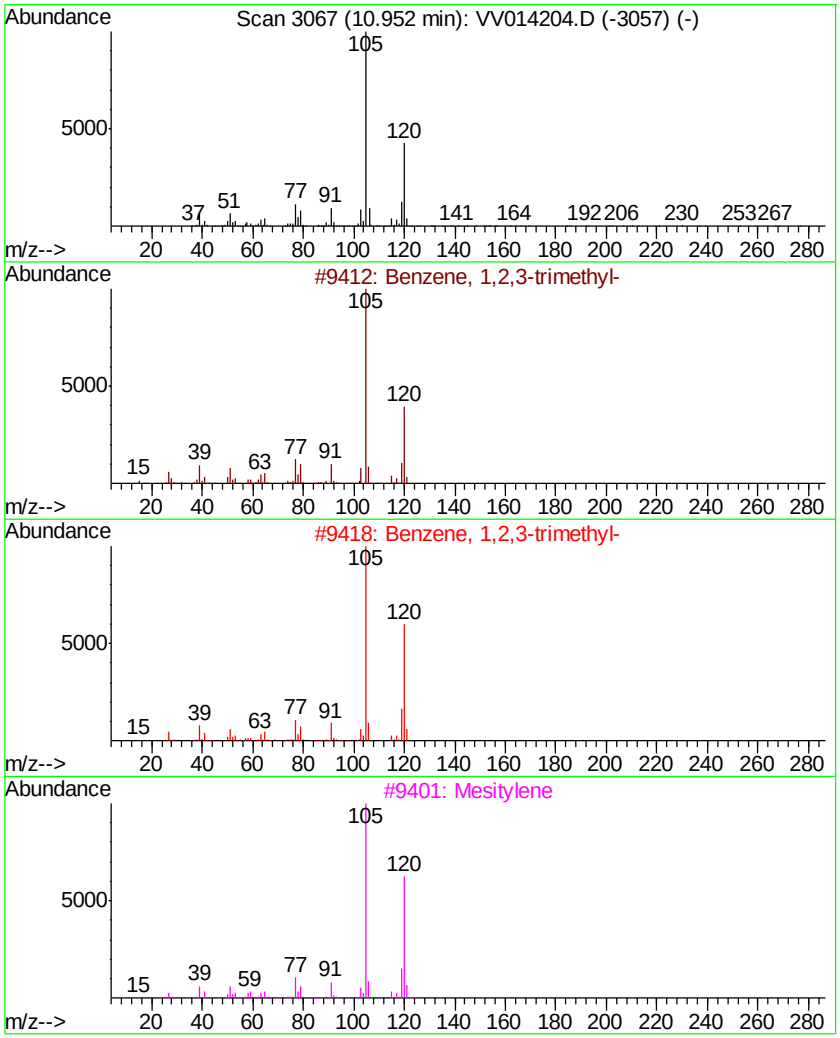
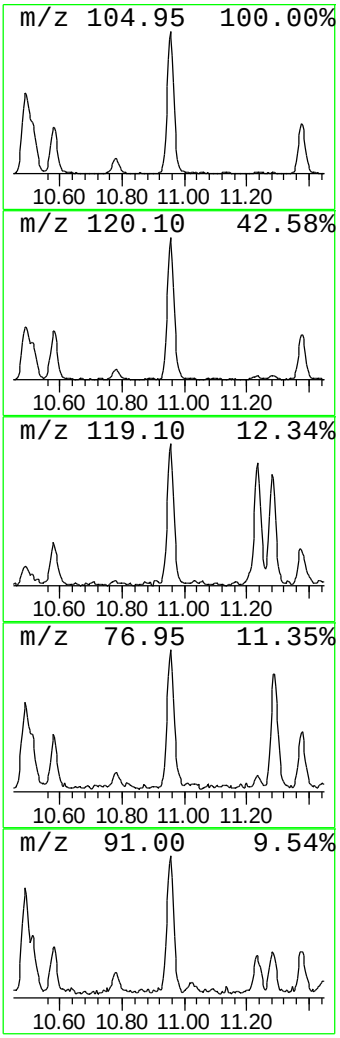
Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	1.11 ug/L	486688	1,4-Dichlorobenzene-d4	11.29

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

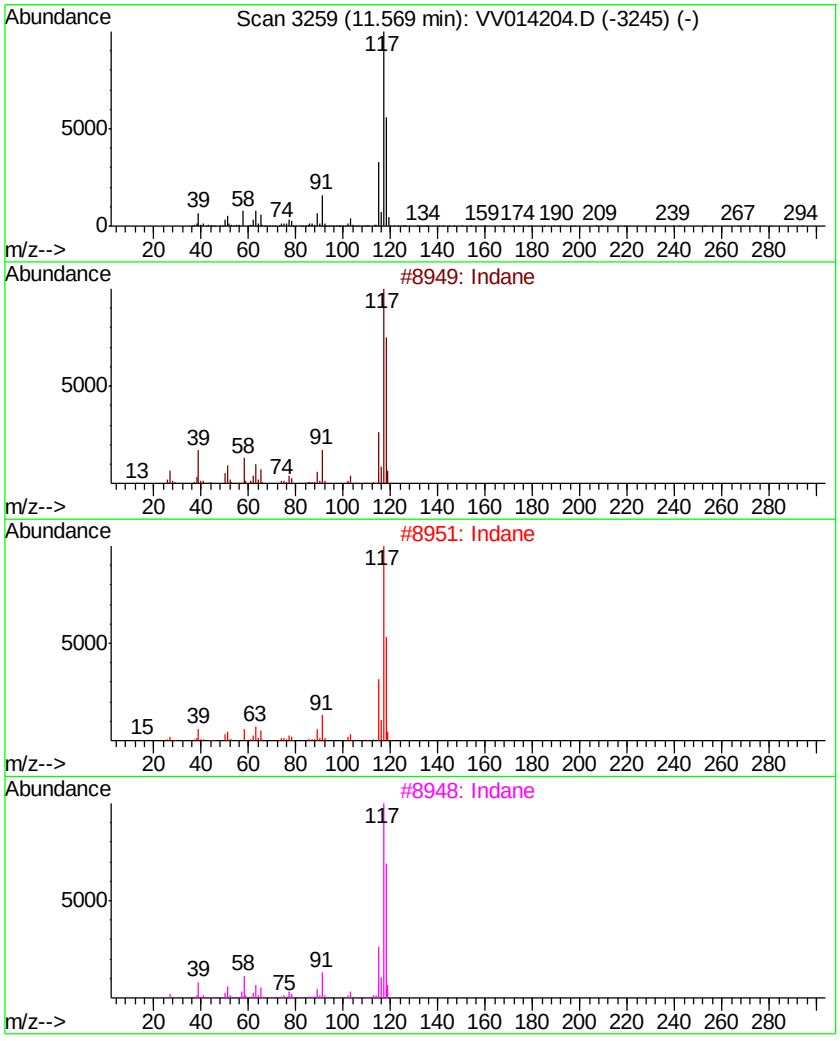
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

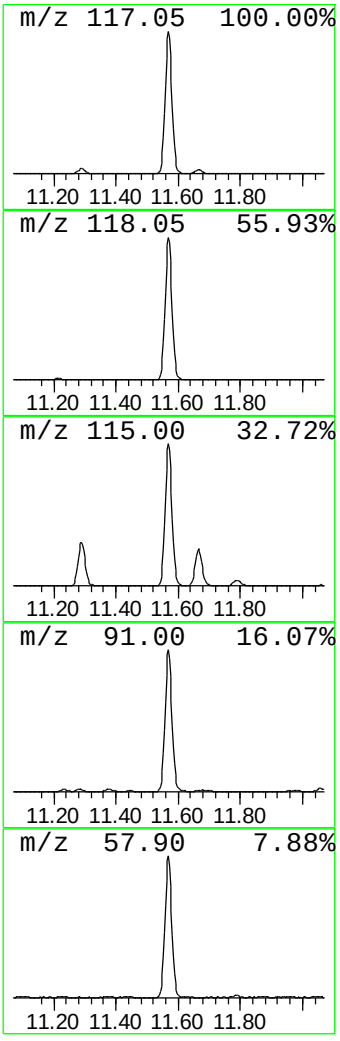
****

Peak Number 5 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	15.00 ug/L	6567660	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	83
4	Deltacyclene	118	C9H10	007785-10-6	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

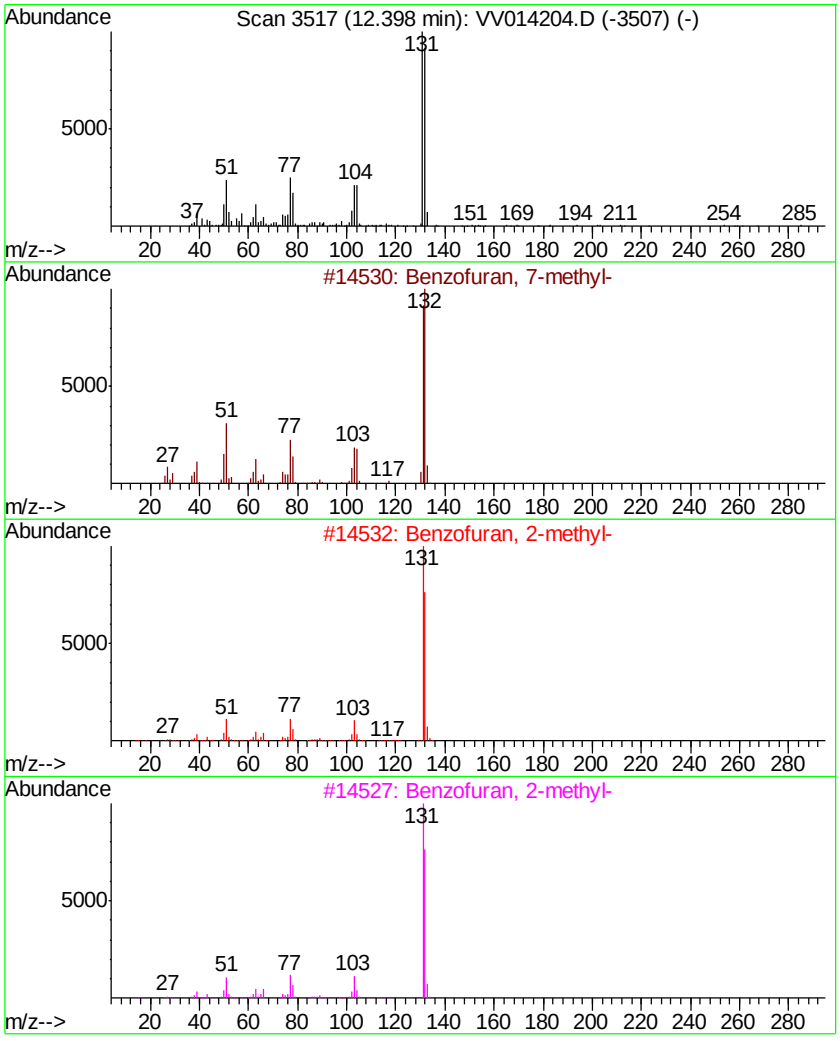
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

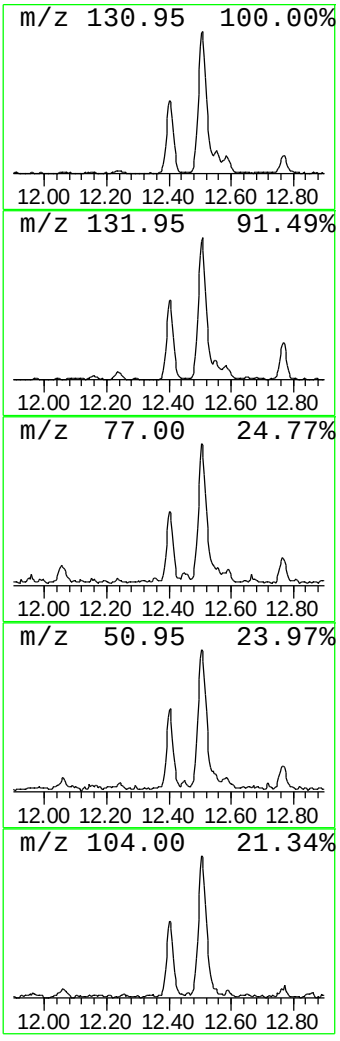
****

Peak Number 6 Benzofuran, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	0.53 ug/L	231664	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
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_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

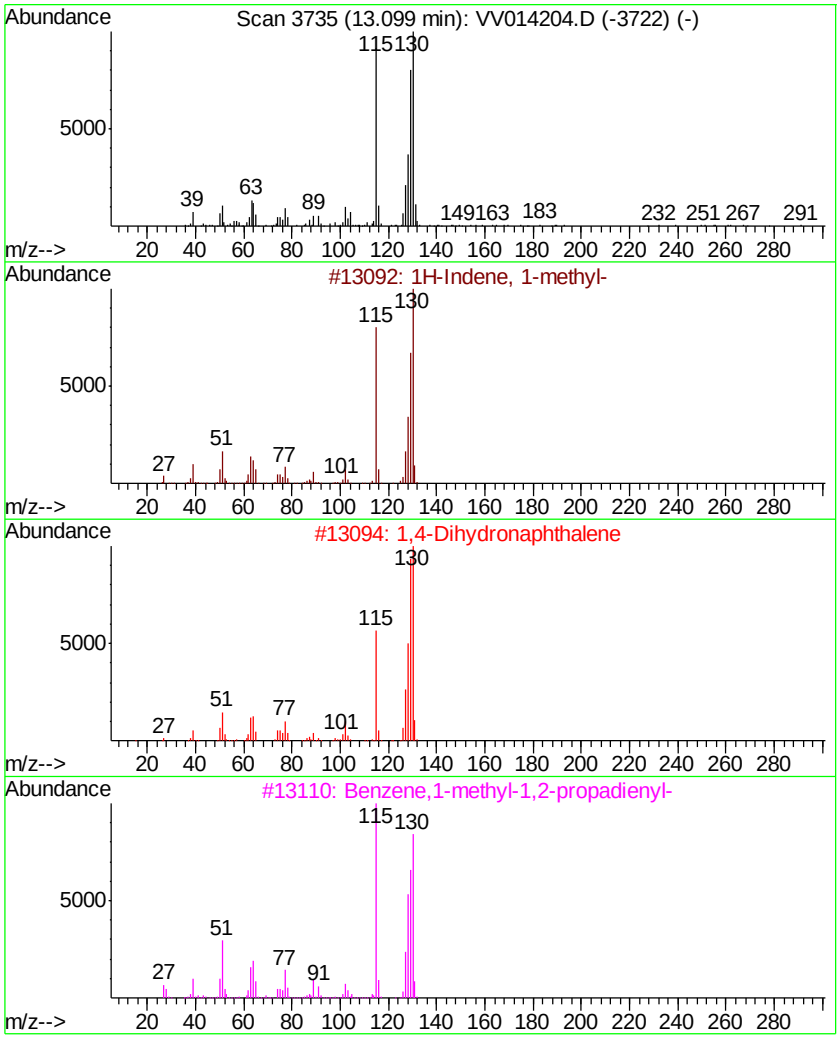
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

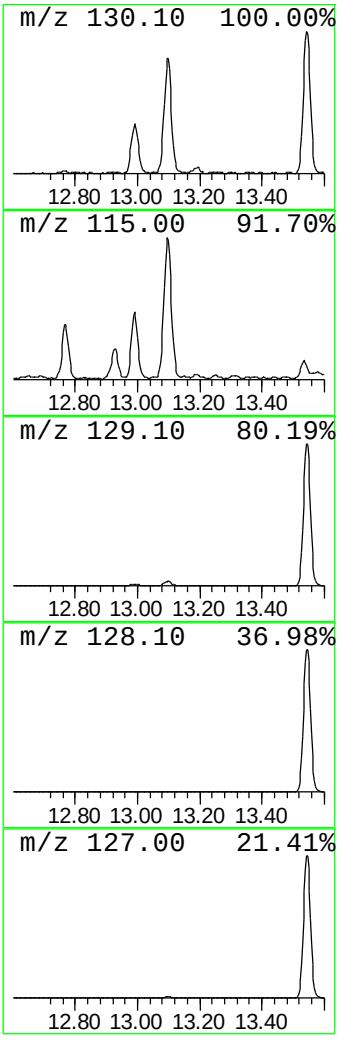
****

Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	0.59 ug/L	257383	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94
5	2-Methylindene	130	C10H10	002177-47-1	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

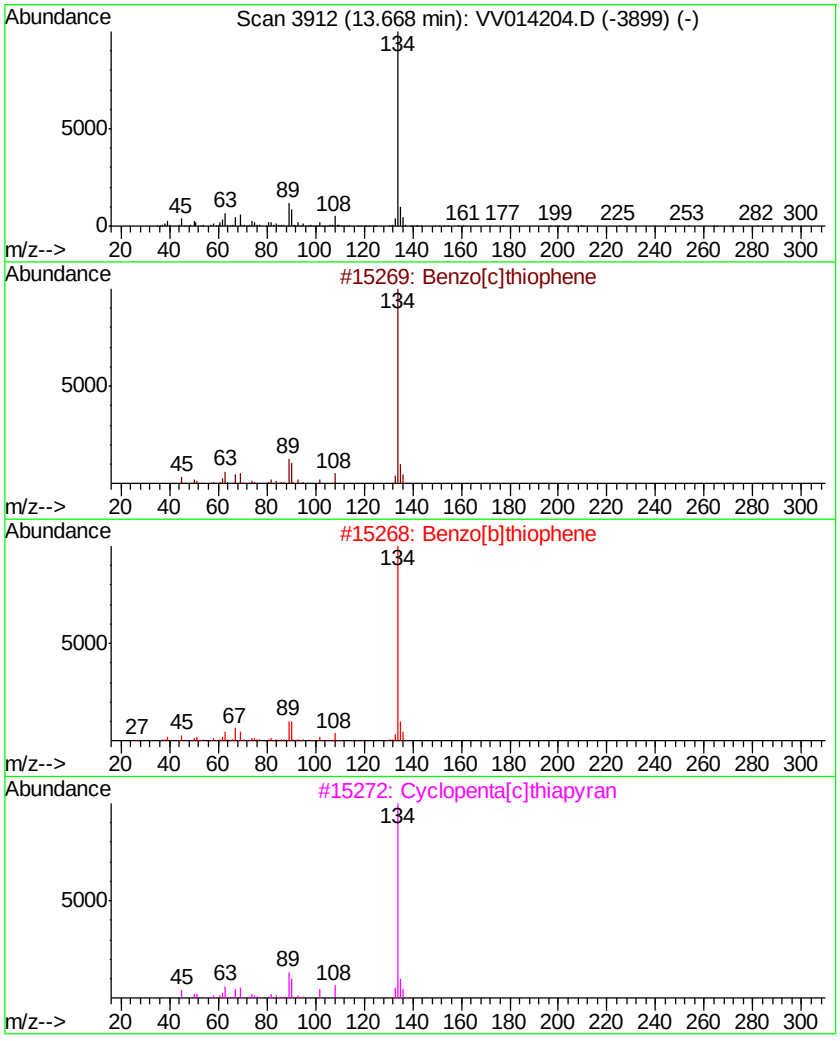
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

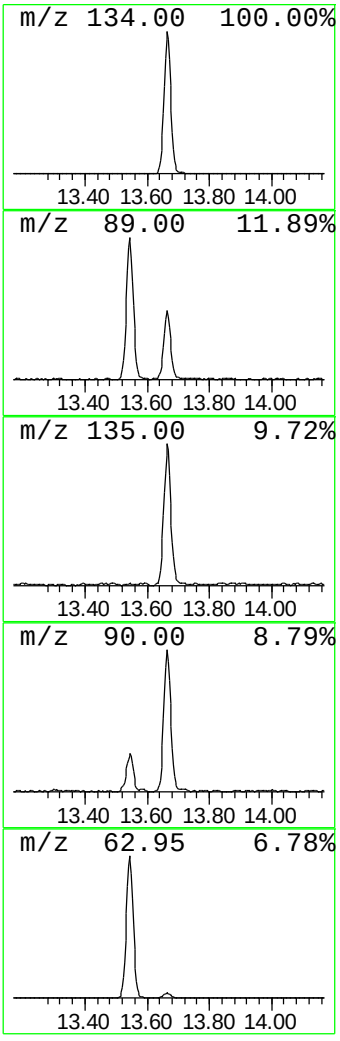
****

Peak Number 10 Benzo[c]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	1.59 ug/L	693999	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	83





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Quant Title : TRACE VOA SOM01.0

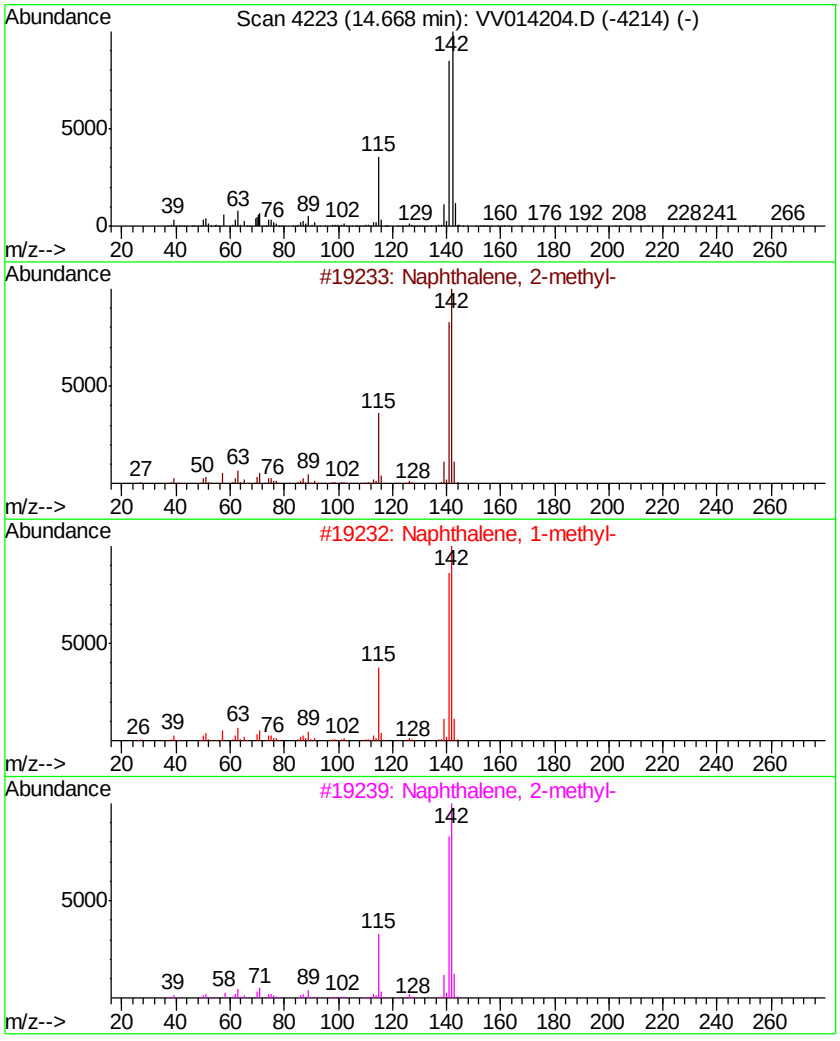
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

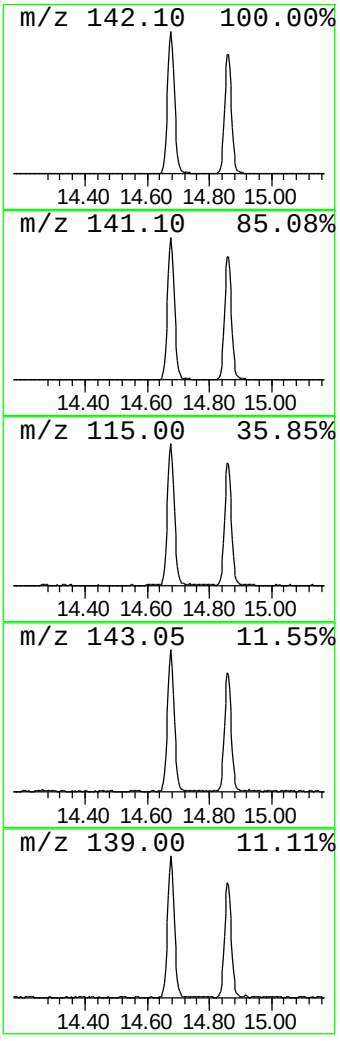
****

Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	4.28 ug/L	1875290	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

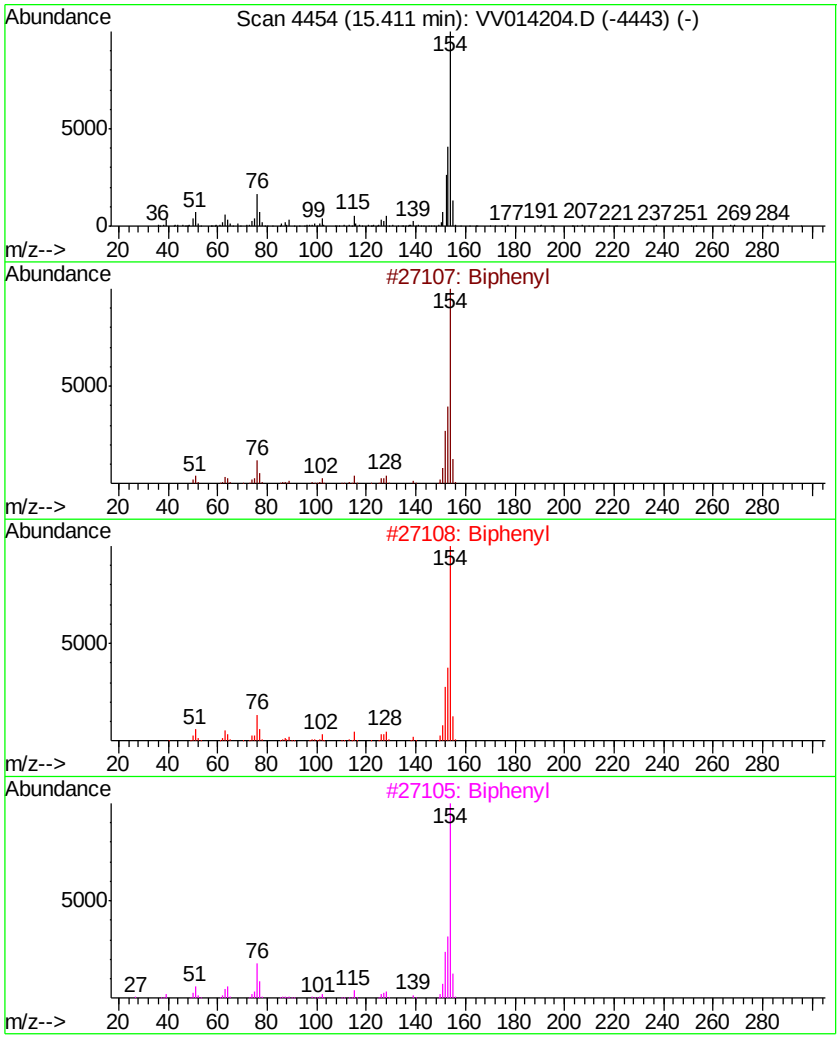
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

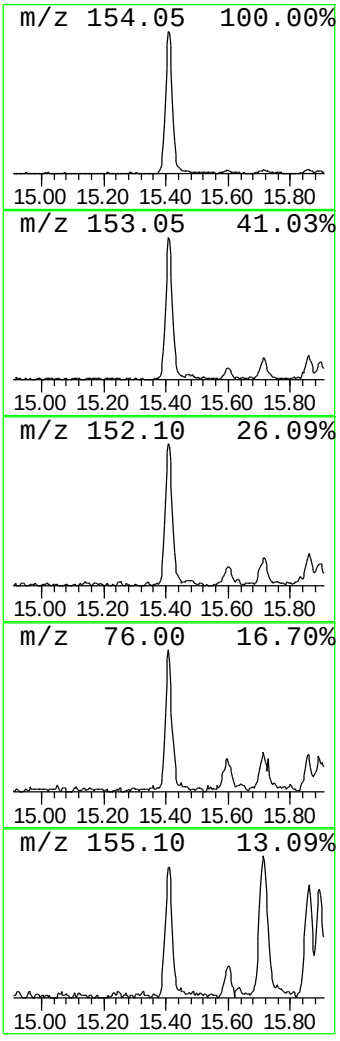
****

Peak Number 13 Biphenyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	0.54 ug/L	235949	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	93
3	Biphenyl	154	C12H10	000092-52-4	91
4	Biphenyl	154	C12H10	000092-52-4	76
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0

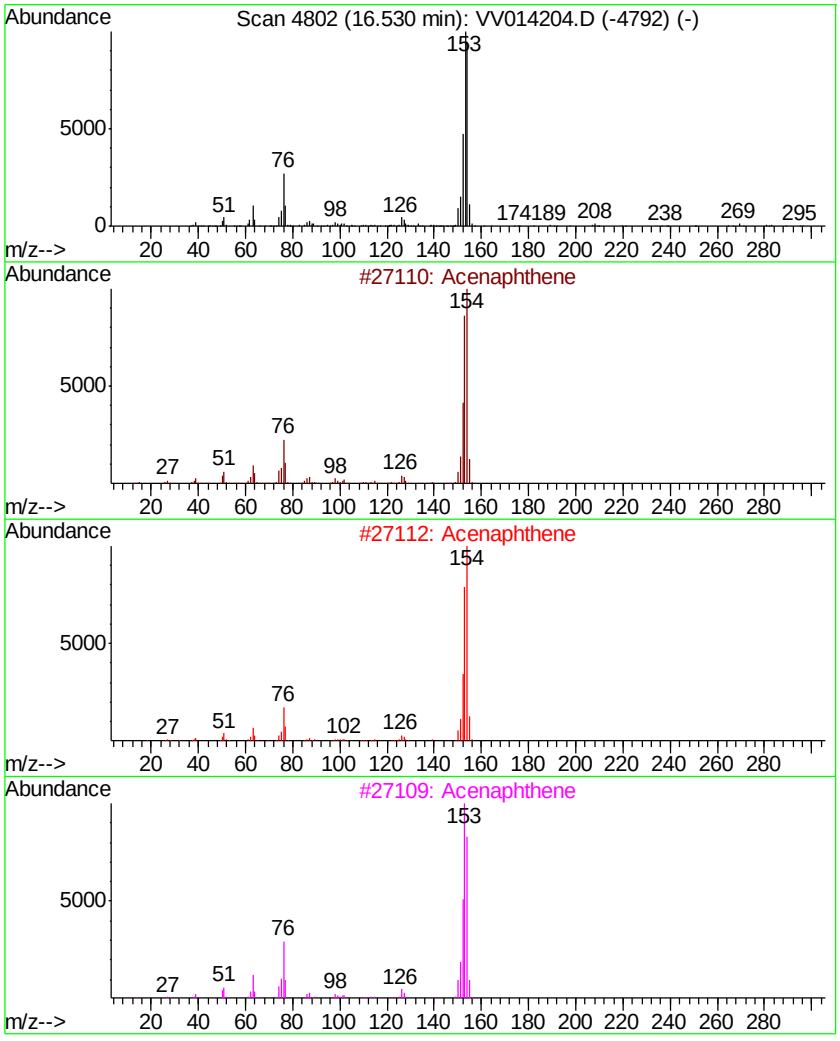
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

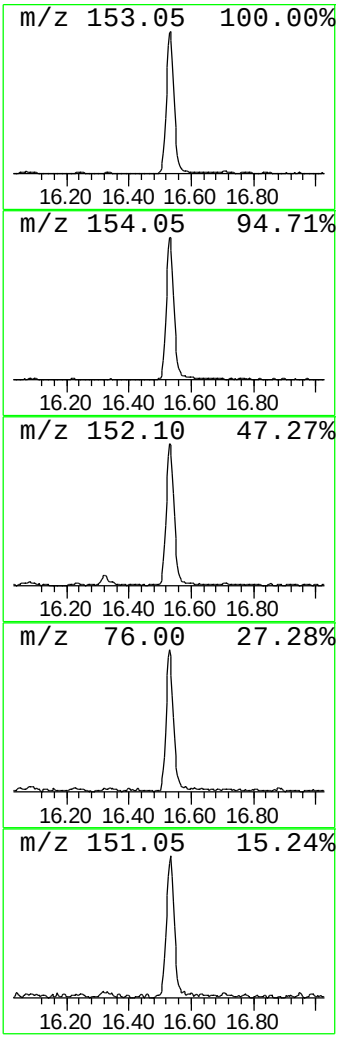
****

Peak Number 14 Acenaphthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	1.14 ug/L	500197	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	93
2	Acenaphthene	154	C12H10	000083-32-9	81
3	Acenaphthene	154	C12H10	000083-32-9	81
4	Acenaphthene	154	C12H10	000083-32-9	70
5	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122719\
Data File : VV014204.D
Acq On : 27 Dec 2019 20:43
Operator : SY/MD
Sample : K6432-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF6X7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.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
(DEL) Alkane: Cyc...	1.12	4.3	ug/L	1605050	1	5.66	1872370	5.0
Benzene, 1-ethyl-...	10.49	0.9	ug/L	389835	3	11.29	2189040	5.0
Benzene, 1,2,3-tr...	10.95	1.1	ug/L	486688	3	11.29	2189040	5.0
Indane	11.57	15.0	ug/L	6567660	3	11.29	2189040	5.0
Benzofuran, 7-met...	12.40	0.5	ug/L	231664	3	11.29	2189040	5.0
1H-Indene, 1-methyl-	13.10	0.6	ug/L	257383	3	11.29	2189040	5.0
Benzo[c]thiophene	13.67	1.6	ug/L	693999	3	11.29	2189040	5.0
Naphthalene, 1-me...	14.67	4.3	ug/L	1875290	3	11.29	2189040	5.0
Biphenyl	15.41	0.5	ug/L	235949	3	11.29	2189040	5.0
Acenaphthene	16.53	1.1	ug/L	500197	3	11.29	2189040	5.0