LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

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_X\METHOD\82X092319W.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	1.070	26	30	43	rBV	430274	556435	9.02%	2.551%
2	1.308	64	69	85	rBV	106300	470846	7.63%	2.158%
3	5.490	744	755	767	rBV2	102324	294432	4.77%	1.350%
4	5.655	771	782	799	rVB	195368	546204	8.85%	2.504%
5	6.057	837	848	853	rBV	126502	332727	5.39%	1.525%
6	6.136	853	861	875	rVB	861438	2233746	36.19%	10.240%
7	6.849	968	978	999	rBV	301128	711904	11.53%	3.263%
8	8.709	1276	1283	1289	rBV	607217	937709	15.19%	4.299%
9	8.782	1289	1295	1311	rVB	277368	452525	7.33%	2.074%
10	10.111	1505	1513	1522	rBV	568969	782956	12.69%	3.589%
11	10.245	1529	1535	1544	rBV	543123	723376	11.72%	3.316%
12	10.355	1544	1553	1566	rVB	812508	1081084	17.52%	4.956%
13	10.696	1604	1609	1619	rVB	561619	741363	12.01%	3.399%
14	11.135	1675	1681	1689	rBV	437919	571665	9.26%	2.621%
15	11.428	1724	1729	1737	rBV	77160	146743	2.38%	0.673%
16	11.501	1737	1741	1747	rVB	85977	105478	1.71%	0.484%
17	11.800	1780	1790	1796	rBV	208670	271258	4.39%	1.243%
18	12.007	1819	1824	1830	rBV	1012992	1296193	21.00%	5.942%
19	12.074	1830	1835	1841	rVV	554244	693472	11.24%	3.179%
20	12.135	1841	1845	1850	rVV	59152	75781	1.23%	0.347%
21	12.294	1865	1871	1879	rBV	690245	840141	13.61%	3.851%
22	12.464	1893	1899	1905	rBV	487813	592406	9.60%	2.716%
23	12.940	1972	1977	1981	rBV	81511	106106	1.72%	0.486%
24	13.019	1985	1990	1994	rBV	199268	302074	4.89%	1.385%
25	13.830	2115	2123	2131	rBV	5169762	6172029	100.00%	28.294%
26	13.921	2133	2138	2145	rVB	277974	355101	5.75%	1.628%
27	14.690	2260	2264	2275	rVB	175789	225415	3.65%	1.033%
28	14.836	2283	2288	2294	rVB	152225	195001	3.16%	0.894%

Sum of corrected areas: 21814170

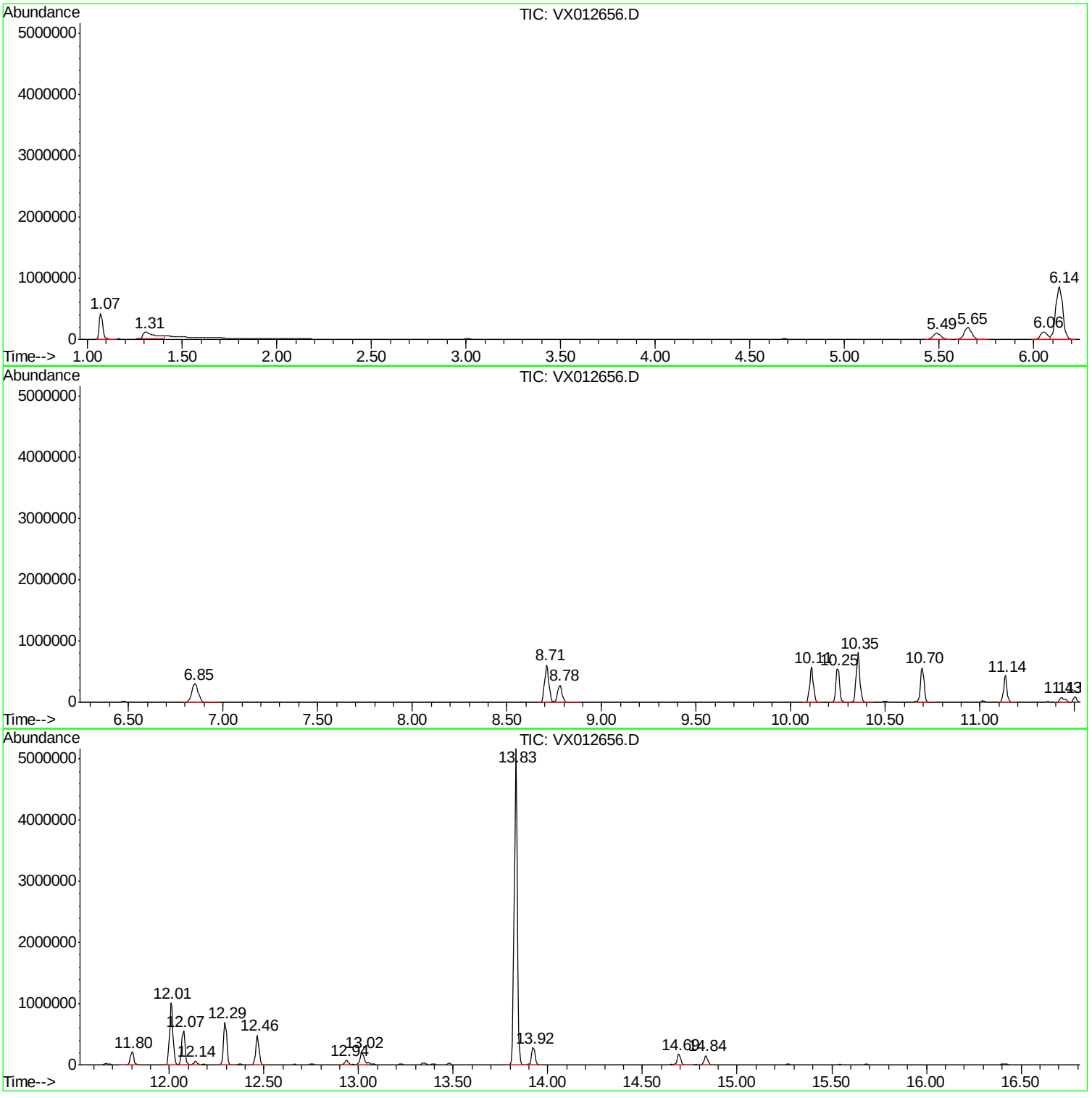
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

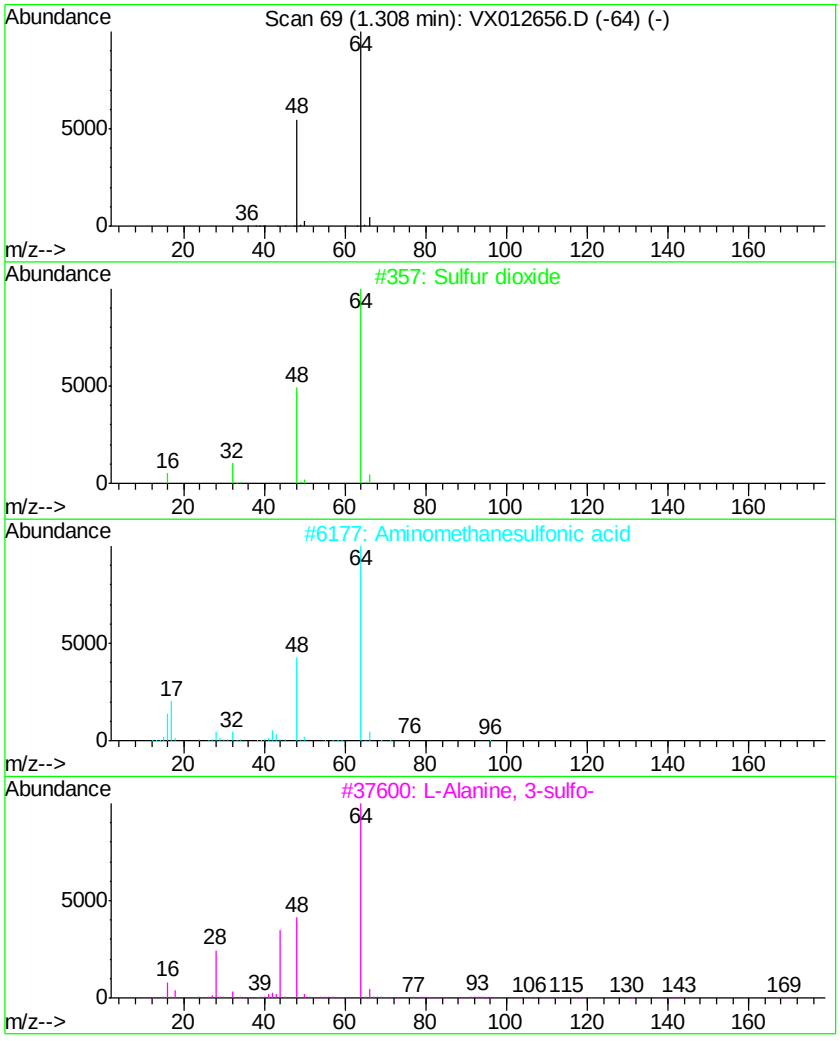
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

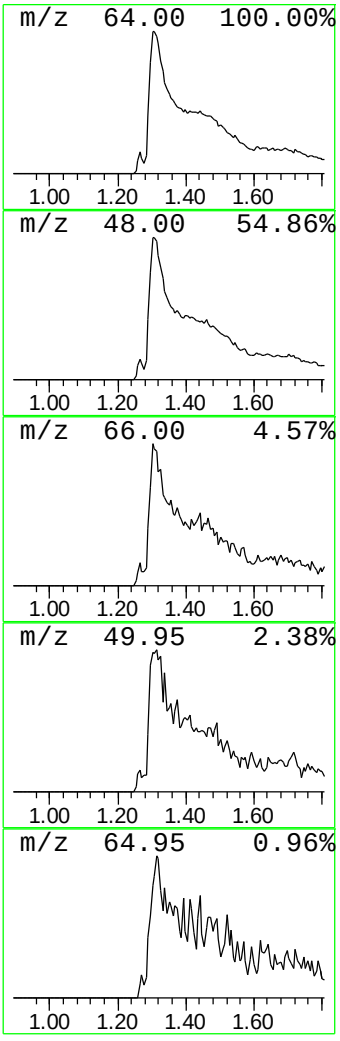
****

Peak Number 2 Sulfur dioxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.31	43.10 ug/l	470846	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

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

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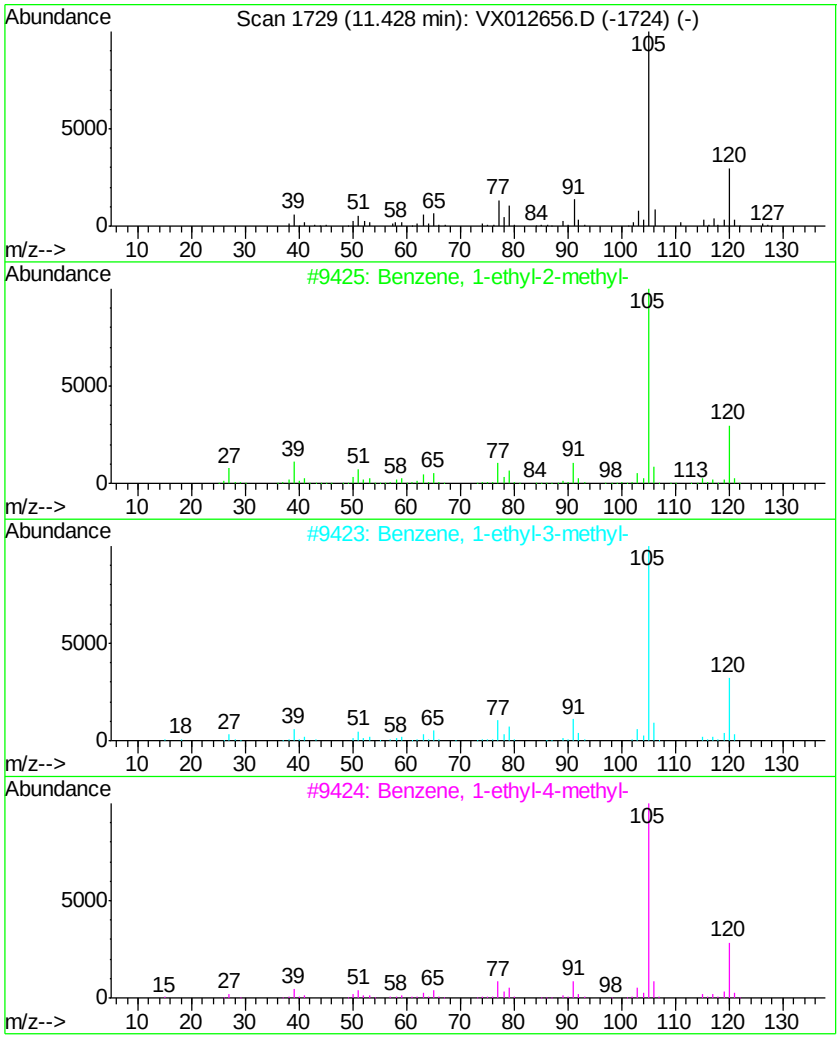
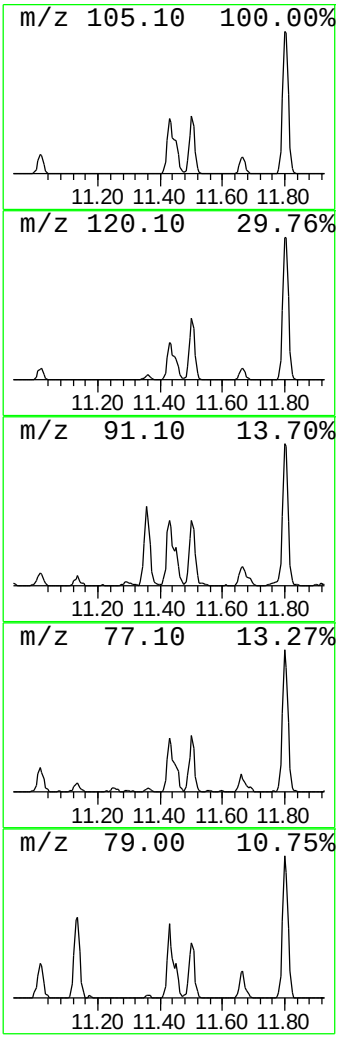
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	10.58 ug/l	146743	1,4-Dichlorobenzene-d4	12.07

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-4-methyl-	120	C9H12	000622-96-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

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

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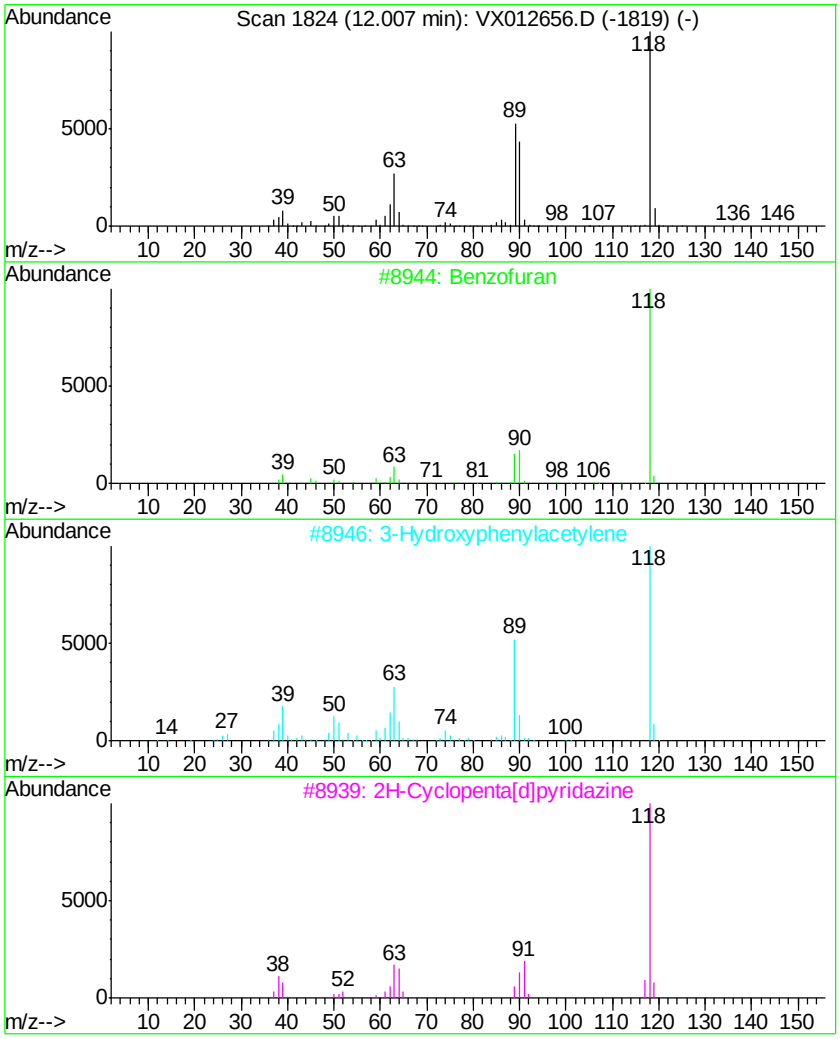
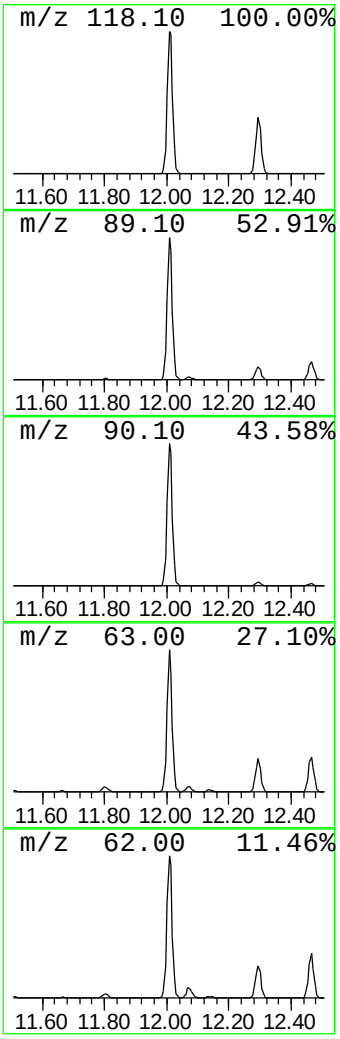
Peak Number 4 Benzofuran Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	93.46 ug/l	1296190	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	81
3	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	58
4	Benzonitrile, m-amino-	118	C7H6N2	002237-30-1	35
5	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

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

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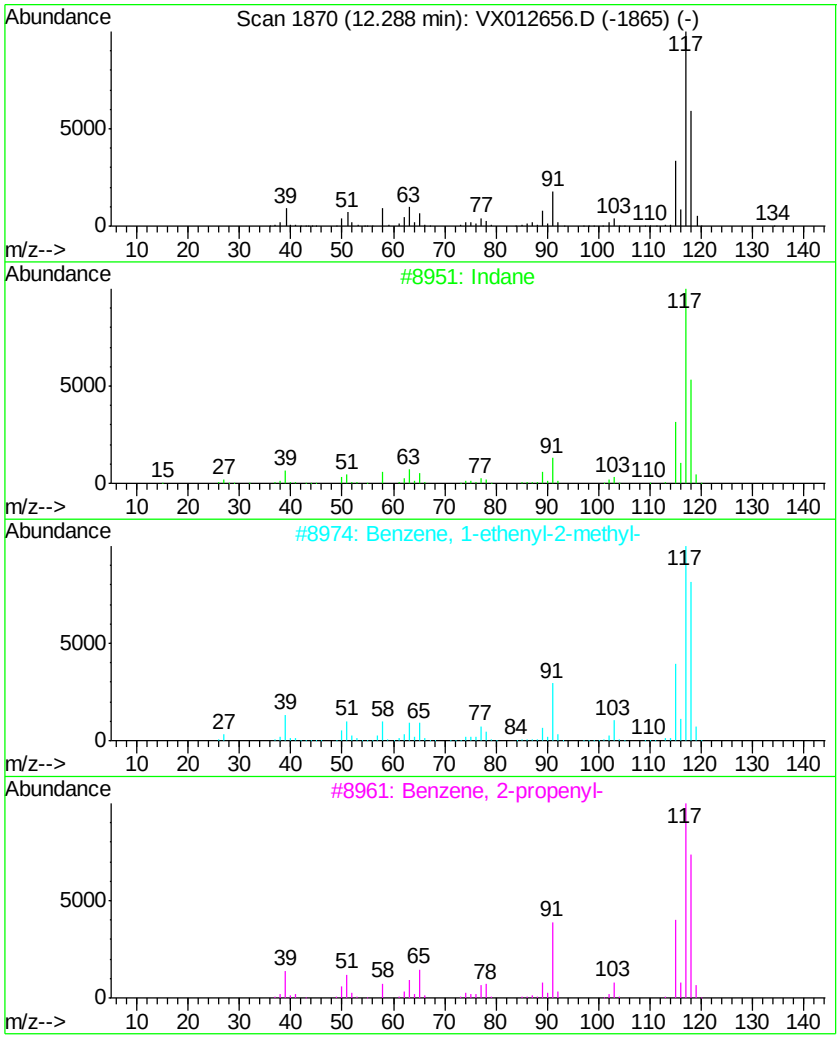
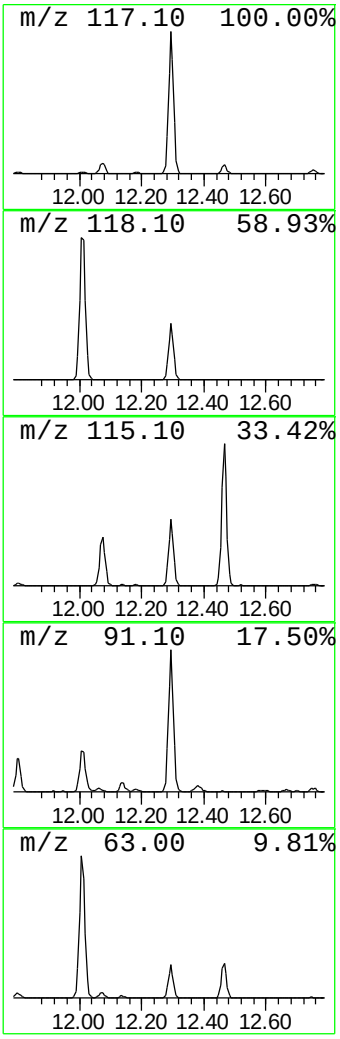
Peak Number 5 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	60.58 ug/l	840141	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

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

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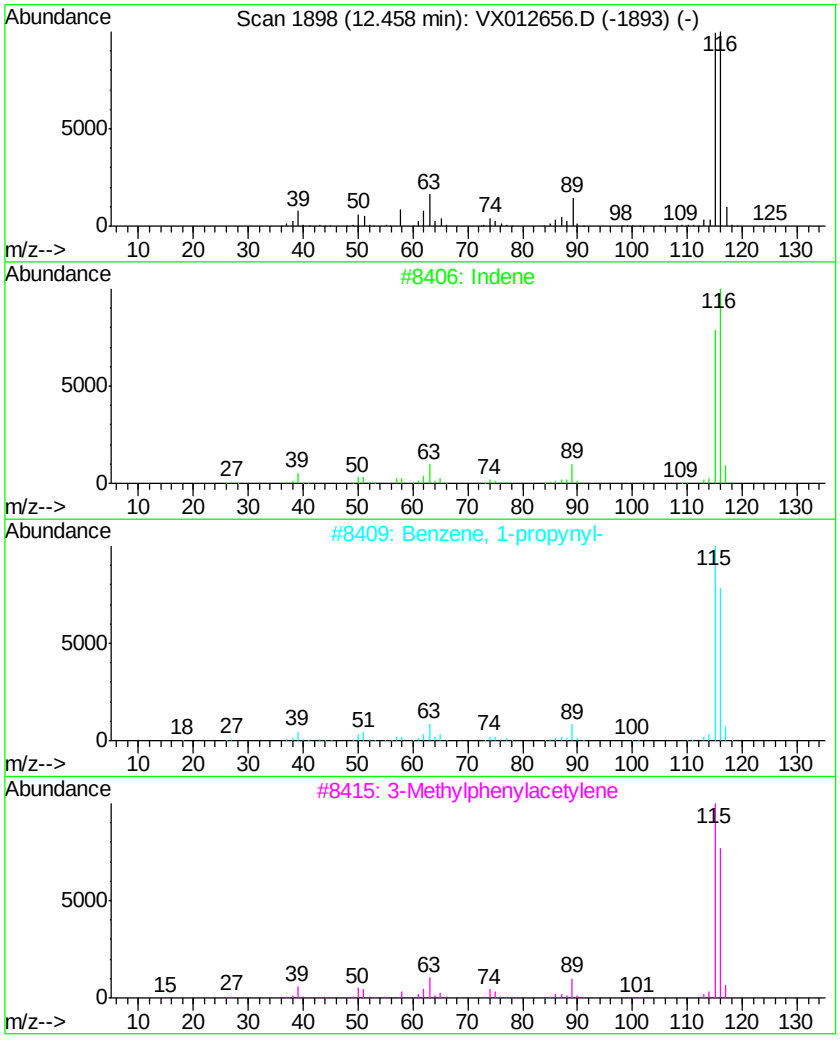
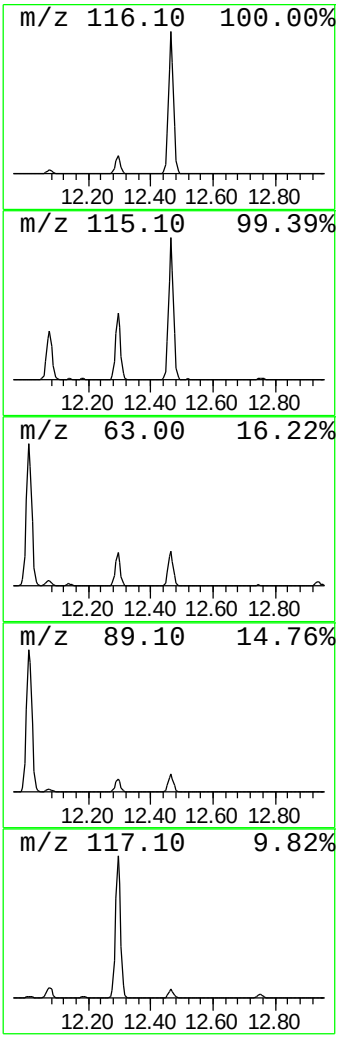
Peak Number 6 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	42.71 ug/l	592406	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

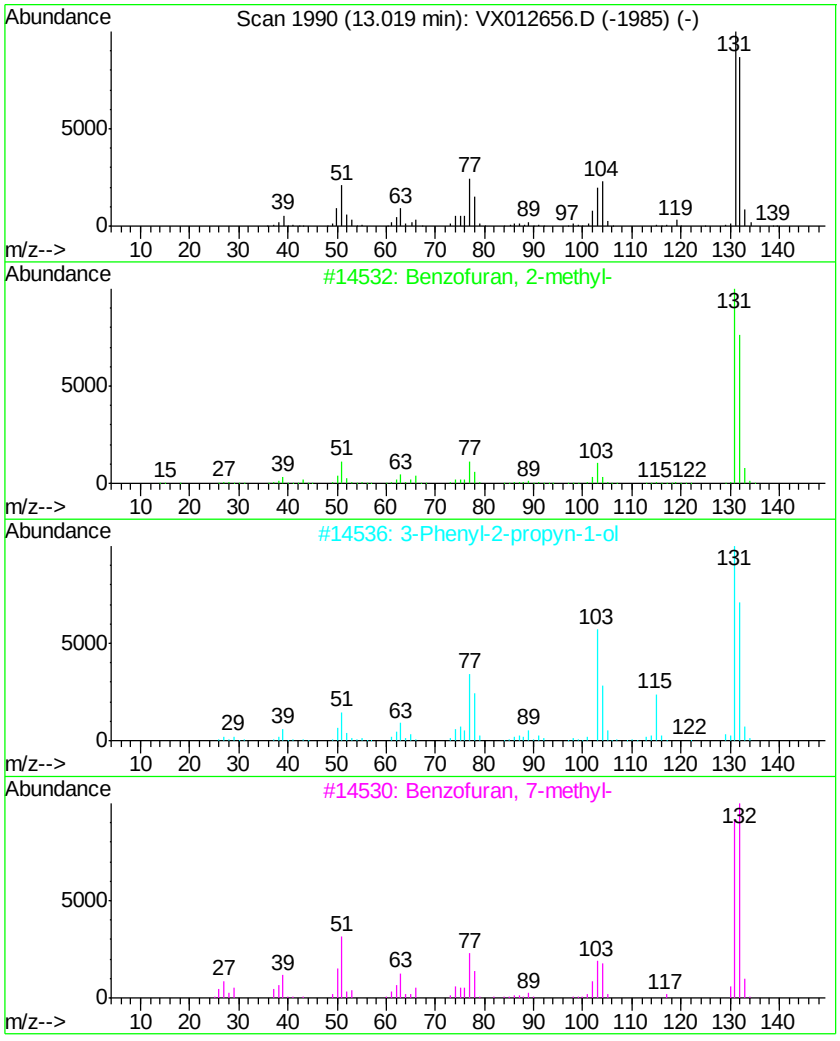
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

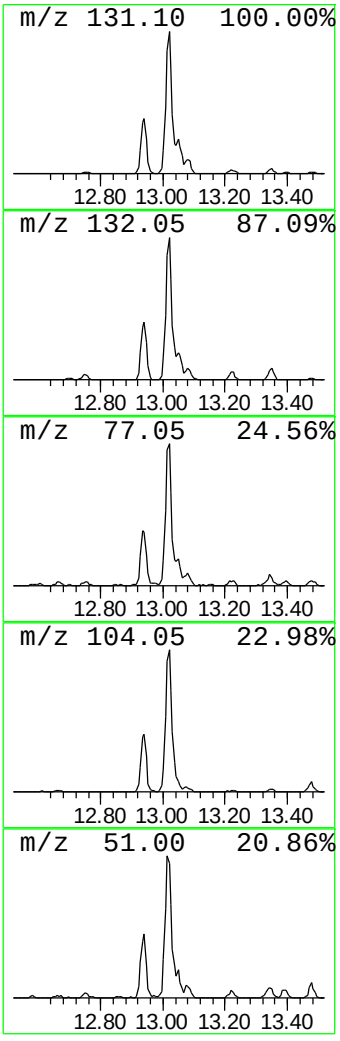
****

Peak Number 7 Benzofuran, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	21.78 ug/l	302074	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	Benzene, (2-propynyloxy)-	132	C9H8O	013610-02-1	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

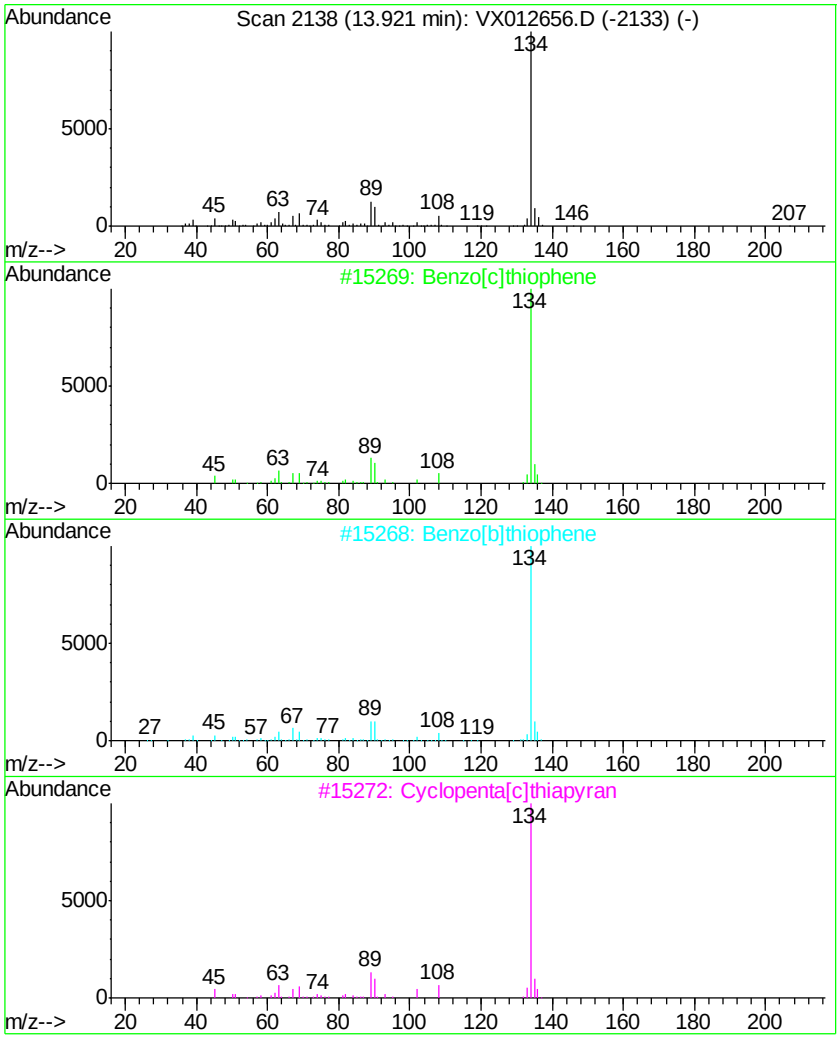
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

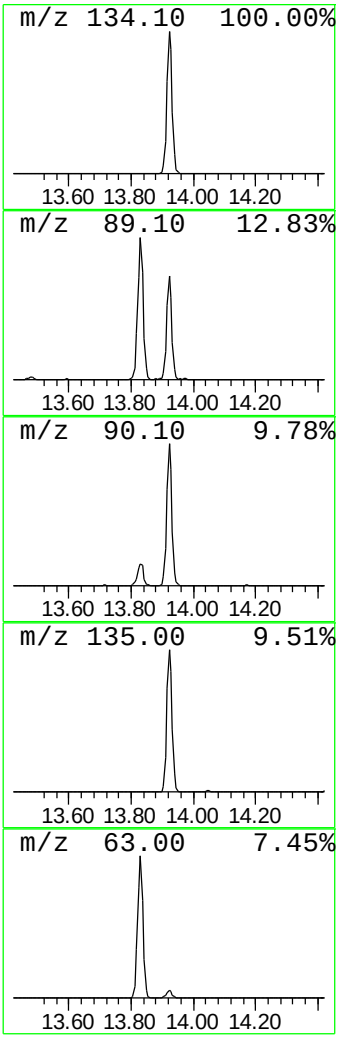
****

Peak Number 8 Benzo[c]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	25.60 ug/l	355101	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	42
5	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260

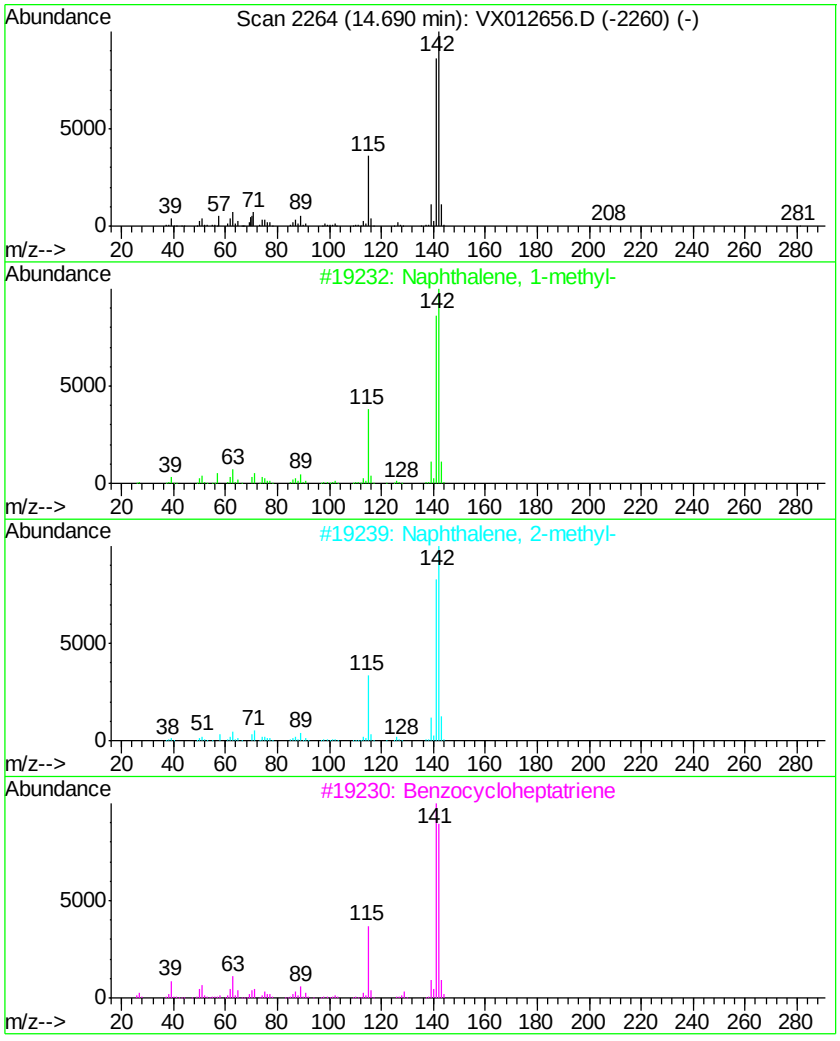
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

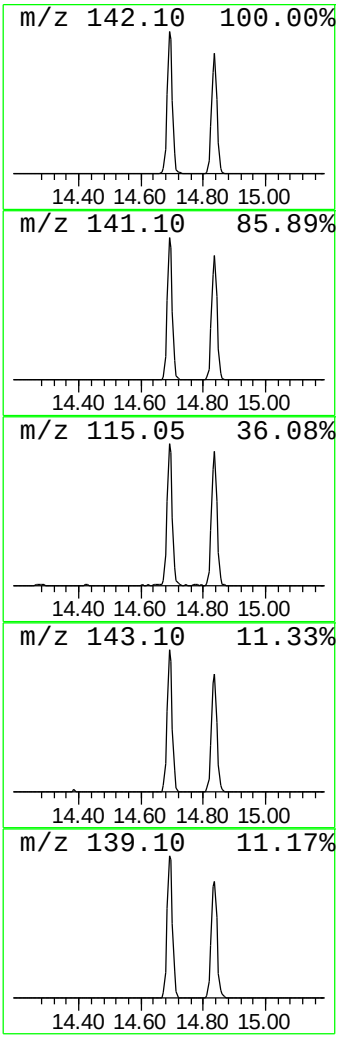
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	16.25 ug/l	225415	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
Data File : VX012656.D
Acq On : 25 Sep 2019 13:08
Operator : JC/SP
Sample : K5019-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.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
Sulfur dioxide	1.31	43.1	ug/l	470846	1	5.65	546204	50.0
Benzene, 1-ethyl-...	11.43	10.6	ug/l	146743	4	12.07	693472	50.0
Benzofuran	12.01	93.5	ug/l	1296190	4	12.07	693472	50.0
Indane	12.29	60.6	ug/l	840141	4	12.07	693472	50.0
Indene	12.46	42.7	ug/l	592406	4	12.07	693472	50.0
Benzofuran, 2-met...	13.02	21.8	ug/l	302074	4	12.07	693472	50.0
Benzo[c]thiophene	13.92	25.6	ug/l	355101	4	12.07	693472	50.0
Naphthalene, 1-me...	14.69	16.3	ug/l	225415	4	12.07	693472	50.0