LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 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\82X121818W.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	1.318	23	27	39	rBV	86100	321331	2.16%	0.626%
2	5.507	700	714	728	rBV	343401	999936	6.71%	1.948%
3	5.665	728	740	755	rVB	608951	1707713	11.45%	3.327%
4	6.068	795	806	811	rBV	367310	935811	6.28%	1.823%
5	6.141	811	818	836	rVB	1609747	4207124	28.22%	8.197%
6	6.860	924	936	952	rBV	924851	2158043	14.47%	4.205%
7	8.713	1233	1240	1246	rBV	1927105	2934138	19.68%	5.717%
8	8.780	1246	1251	1260	rVB	727178	1161021	7.79%	2.262%
9	10.109	1463	1469	1479	rBV	1866113	2573902	17.26%	5.015%
10	10.250	1486	1492	1502	rVB	1199368	1543140	10.35%	3.007%
11	10.359	1502	1510	1520	rBV	1620730	2249070	15.09%	4.382%
12	10.695	1561	1565	1573	rVB	1148299	1530446	10.27%	2.982%
13	11.134	1631	1637	1645	rBV	1628759	2075781	13.92%	4.045%
14	11.432	1679	1686	1694	rBV	169617	311393	2.09%	0.607%
15	11.506	1694	1698	1705	rVB	191081	220166	1.48%	0.429%
16	11.804	1742	1747	1756	rVB	497457	593720	3.98%	1.157%
17	12.012	1775	1781	1787	rBV	2167234	2676078	17.95%	5.214%
18	12.079	1787	1792	1798	rVV	2164458	2704947	18.14%	5.270%
19	12.140	1798	1802	1807	rVB	136555	170670	1.14%	0.333%
20	12.298	1822	1828	1836	rBV	1654295	2044215	13.71%	3.983%
21	12.469	1849	1856	1861	rBV	401269	493317	3.31%	0.961%
22	12.938	1929	1933	1937	rBV	191695	234057	1.57%	0.456%
23	13.024	1942	1947	1951	rBV	445255	697172	4.68%	1.358%
24	13.834	2071	2080	2087	rBV	12163283	14909053	100.00%	29.050%
25	13.926	2090	2095	2102	rVB	668037	836418	5.61%	1.630%
26	14.694	2217	2221	2232	rVB	388659	506093	3.39%	0.986%
27	14.840	2239	2245	2252	rVB	414112	527645	3.54%	1.028%

Sum of corrected areas: 51322400

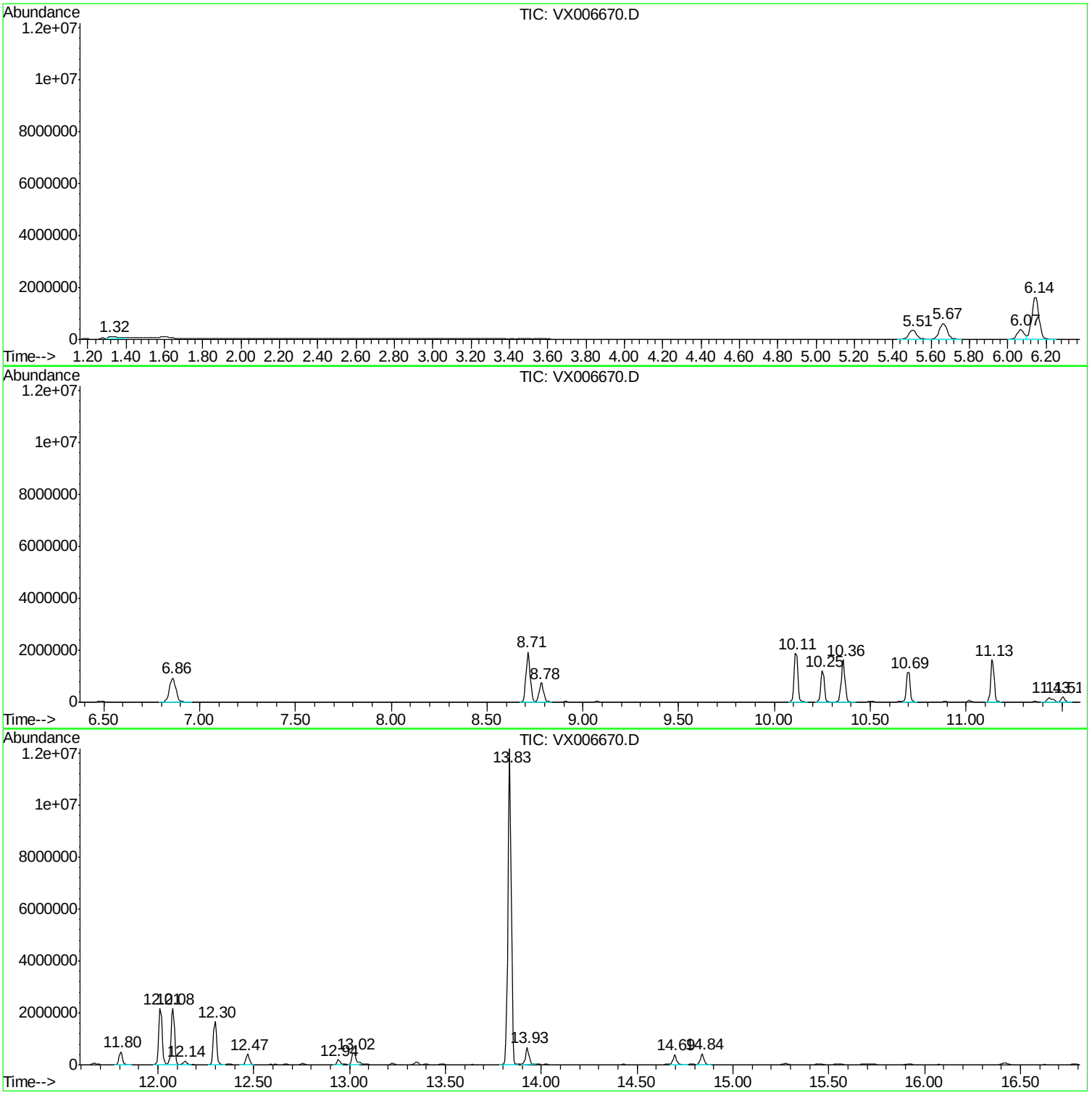
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

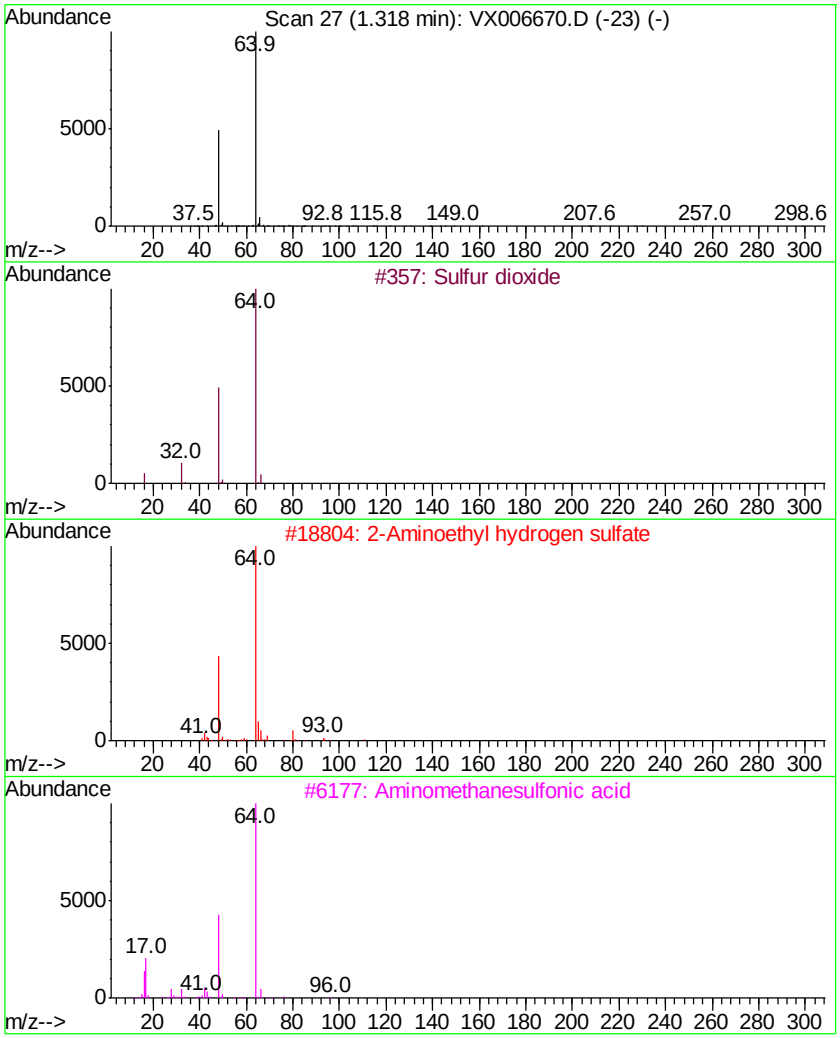
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

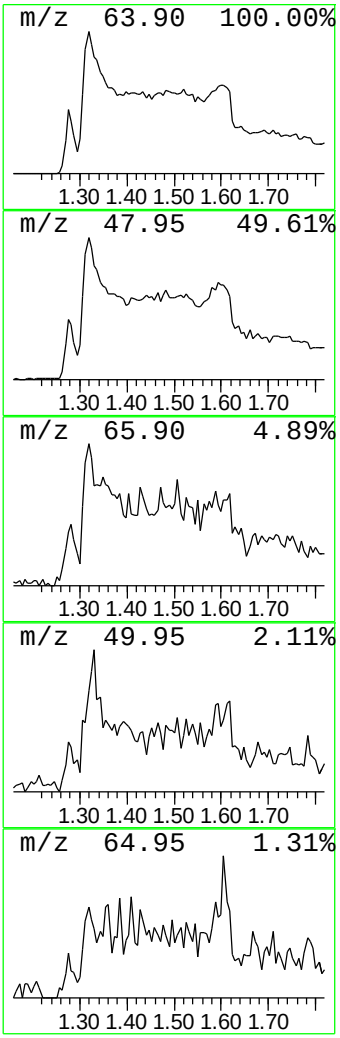
****

Peak Number 1 Sulfur dioxide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.32	9.41 ug/l	321331	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4	(N-(-2-Acetamido))-2-aminoethane...	182	C4H10N2O4S	007365-82-4	9
5	Thiosulfuric acid (H2S2O3), S-(2...	320	C11H16N2O3S3	040284-00-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

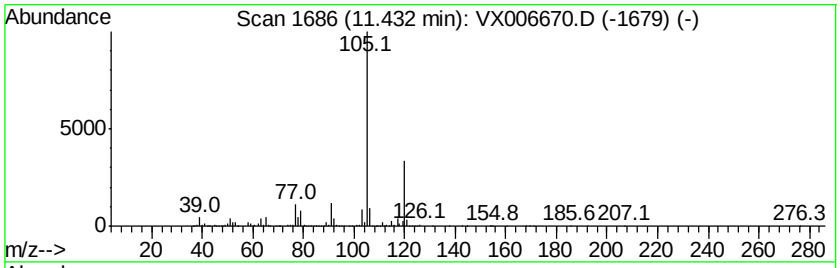
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

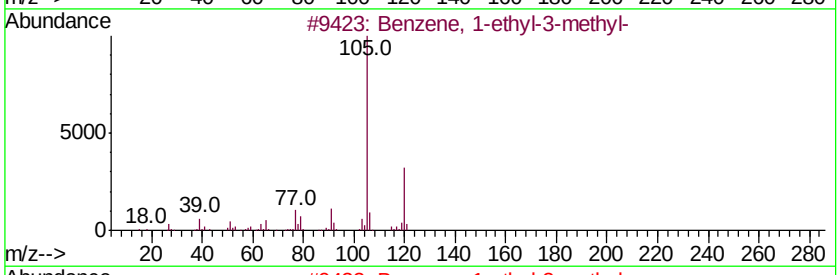
****

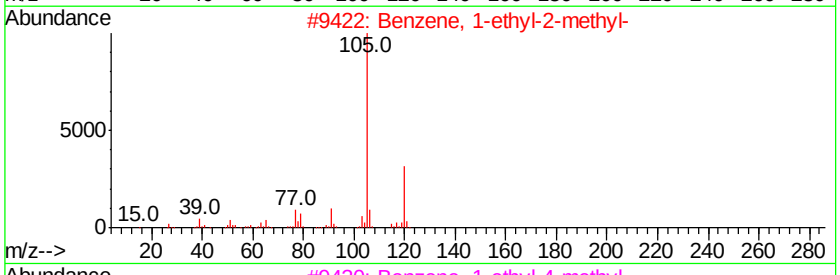
Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

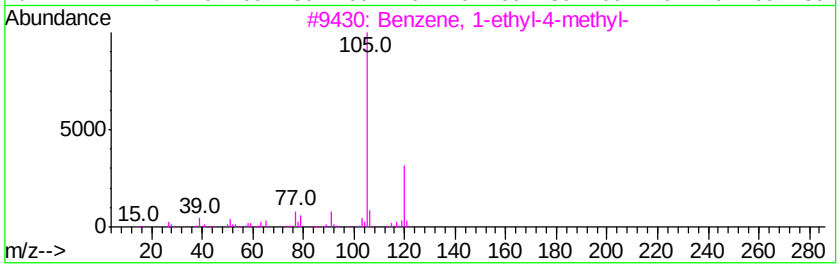
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	5.76 ug/l	311393	1,4-Dichlorobenzene-d4	12.08

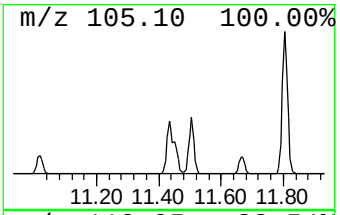
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91

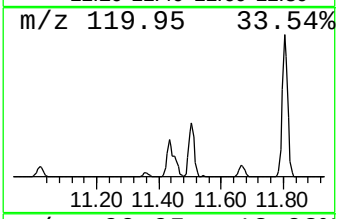


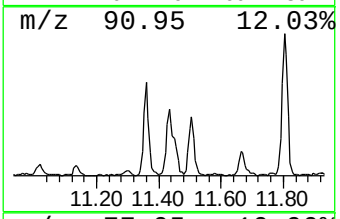


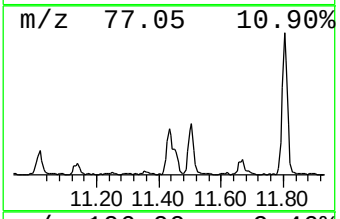


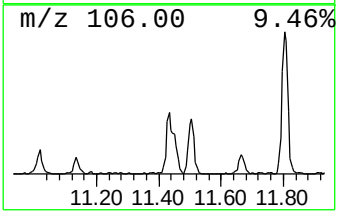












Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

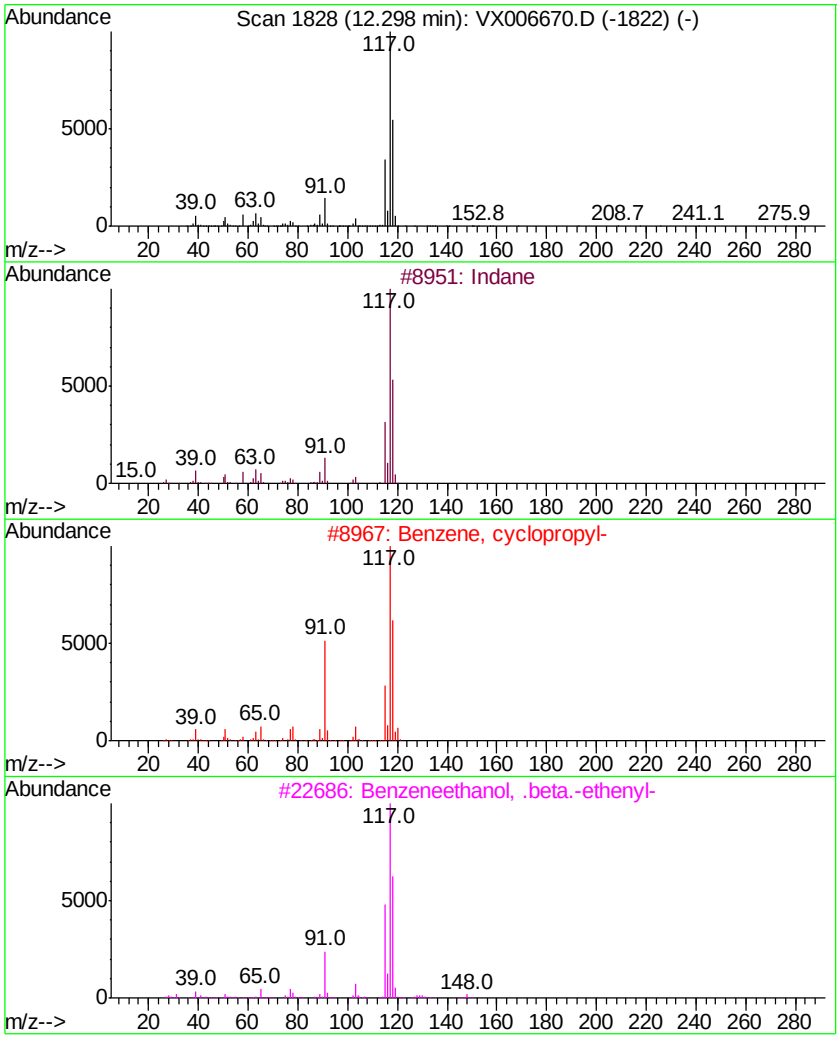
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

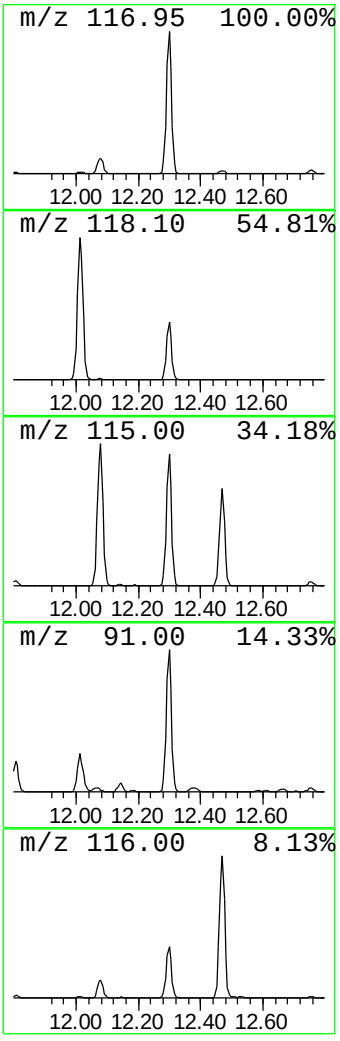
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	37.79 ug/l	2044220	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
3	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Deltacyclene	118	C9H10	007785-10-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

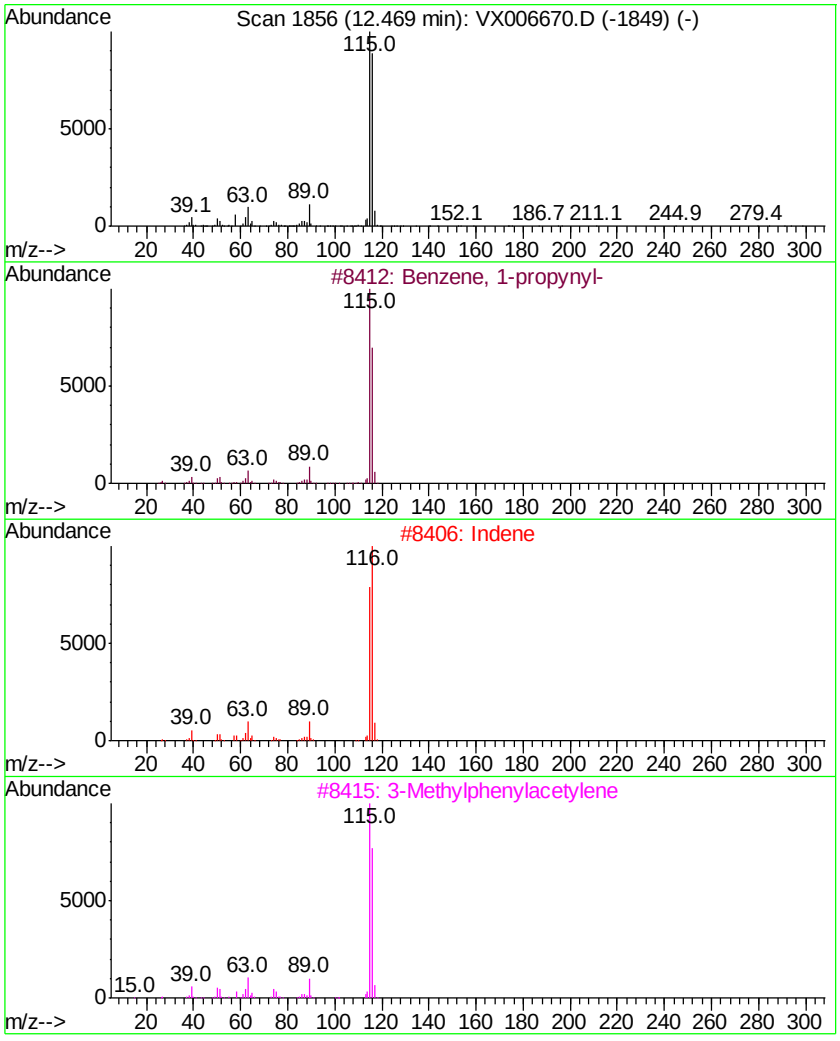
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

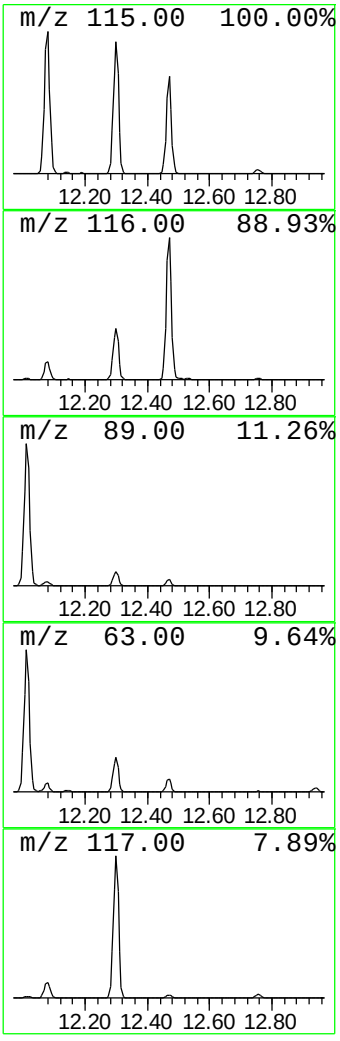
****

Peak Number 4 Benzene, 1-propynyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	9.12 ug/l	493317	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Indene	116	C9H8	000095-13-6	93
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

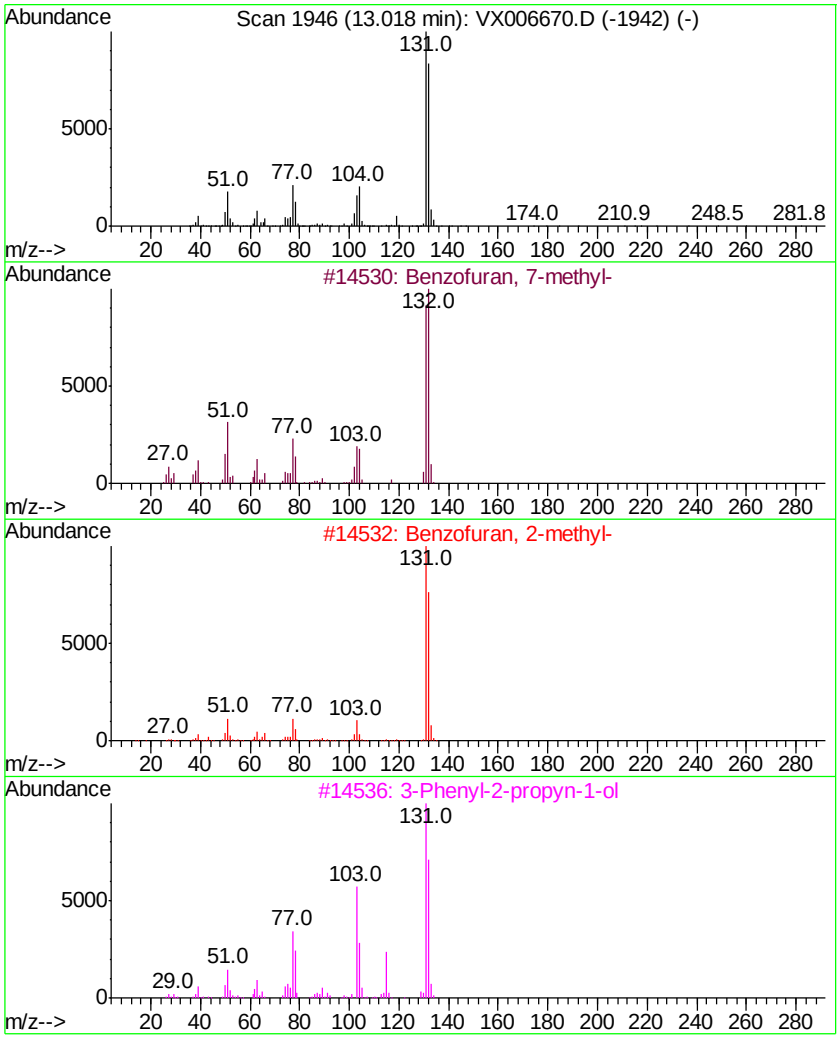
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

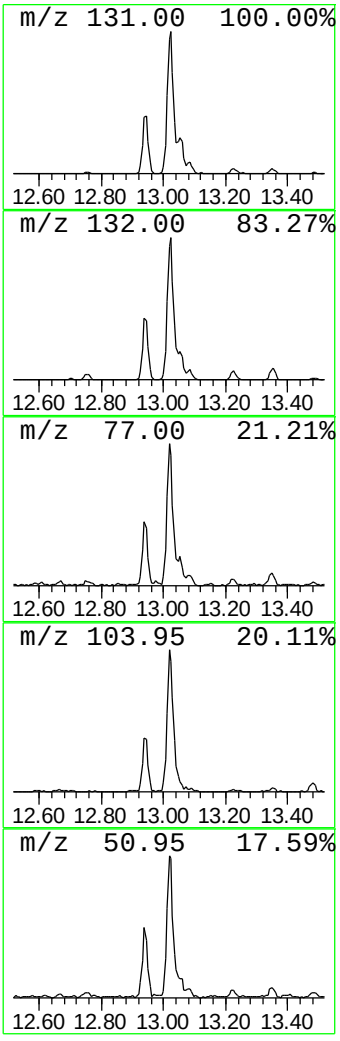
****

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	12.89 ug/l	697172	1,4-Dichlorobenzene-d4	12.08

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	91
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
4	5-Methylbenzimidazole	132	C8H8N2	000614-97-1	87
5	4-Aminobenzyl cyanide	132	C8H8N2	003544-25-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

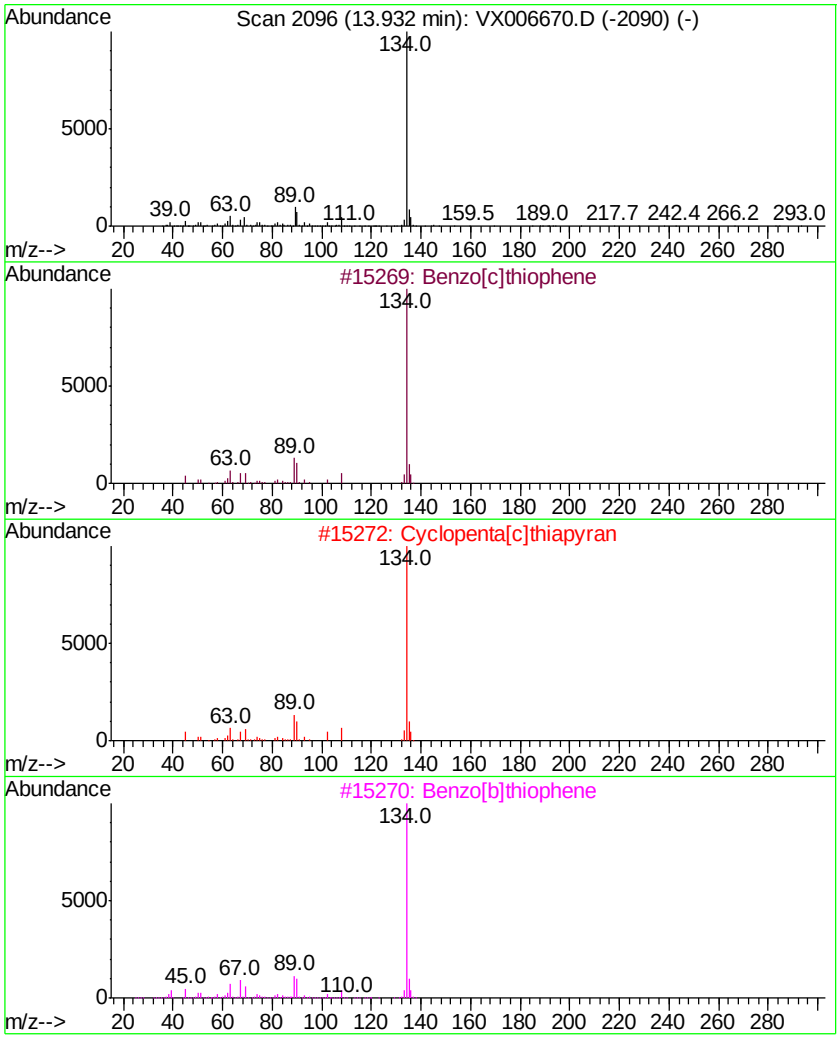
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

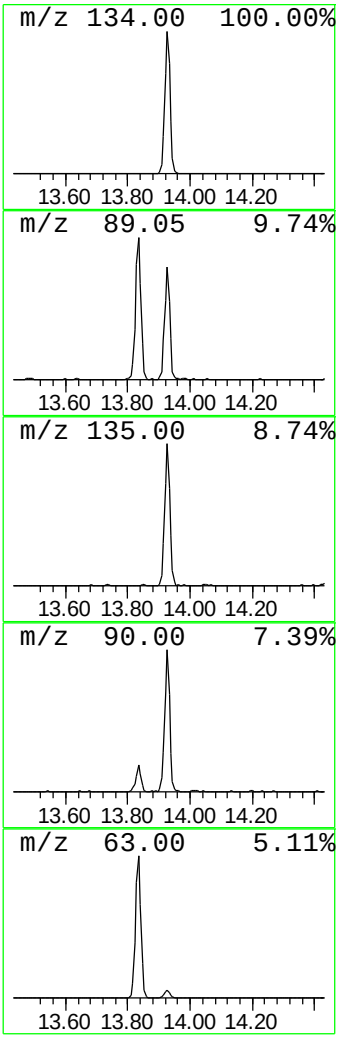
****

Peak Number 6 Benzo[c]thiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	15.46 ug/l	836418	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	64
5	5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260

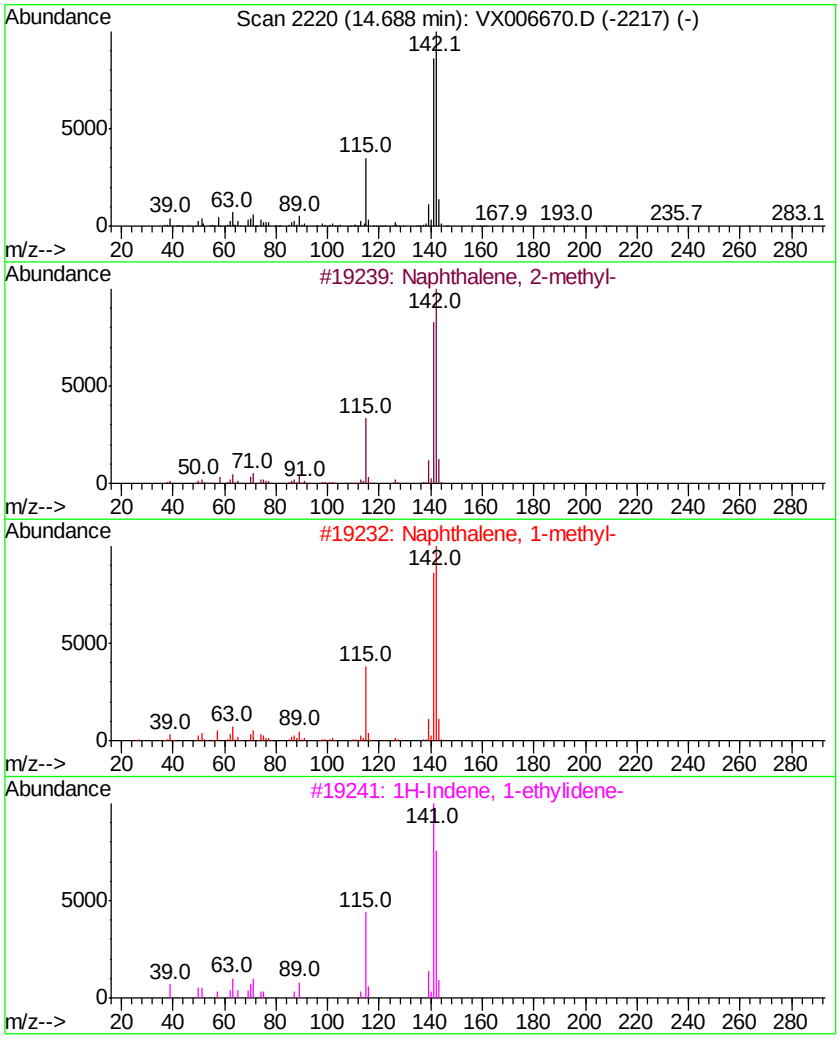
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

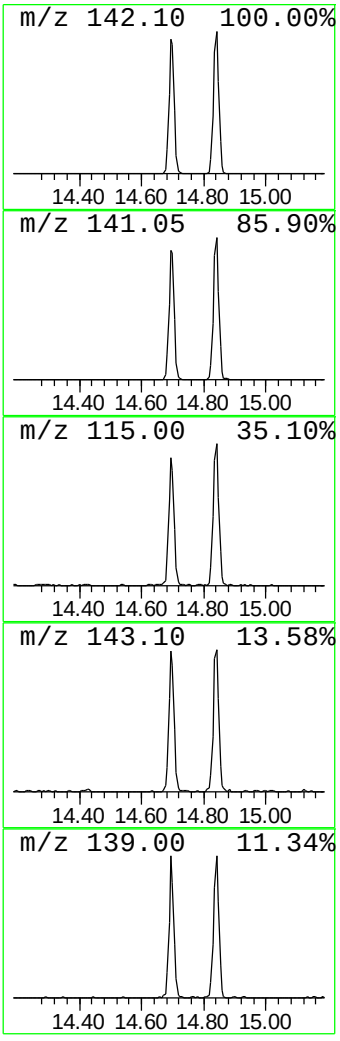
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	9.35 ug/l	506093	1,4-Dichlorobenzene-d4	12.08

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	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122018\
Data File : VX006670.D
Acq On : 20 Dec 2018 12:41
Operator : JC/MD
Sample : J6492-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW26S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.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	1.32	9.4	ug/l	321331	1	5.67	1707710	50.0
Benzene, 1-ethyl-...	11.43	5.8	ug/l	311393	4	12.08	2704950	50.0
Indane	12.30	37.8	ug/l	2044220	4	12.08	2704950	50.0
Benzene, 1-propynyl-	12.47	9.1	ug/l	493317	4	12.08	2704950	50.0
Benzofuran, 7-met...	13.02	12.9	ug/l	697172	4	12.08	2704950	50.0
Benzo[c]thiophene	13.93	15.5	ug/l	836418	4	12.08	2704950	50.0
Naphthalene, 1-me...	14.69	9.3	ug/l	506093	4	12.08	2704950	50.0