LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-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\82X092618W.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	5.506	701	714	726	rBV	173279	500377	3.13%	0.929%
2	5.665	729	740	762	rVV	222467	640138	4.00%	1.188%
3	6.067	794	806	812	rBV	185499	494068	3.09%	0.917%
4	6.140	812	818	834	rVB	395751	1038727	6.50%	1.928%
5	6.860	925	936	959	rBV	365534	903030	5.65%	1.676%
6	8.719	1232	1241	1246	rBV	829019	1391212	8.70%	2.582%
7	8.786	1246	1252	1269	rVV	9795834	15984591	100.00%	29.662%
8	8.908	1269	1272	1288	rVB	131935	238746	1.49%	0.443%
9	9.079	1293	1300	1313	rVB	110624	174919	1.09%	0.325%
10	10.115	1464	1470	1486	rBV	770664	1122217	7.02%	2.082%
11	10.255	1486	1493	1502	rVV	755658	1072143	6.71%	1.990%
12	10.359	1502	1510	1529	rVB	2432692	3385827	21.18%	6.283%
13	10.701	1561	1566	1585	rVB	1040076	1401865	8.77%	2.601%
14	11.139	1632	1638	1654	rBV	848138	1084037	6.78%	2.012%
15	11.438	1679	1687	1694	rBV	170247	324728	2.03%	0.603%
16	11.810	1740	1748	1754	rBV	360117	457883	2.86%	0.850%
17	12.017	1776	1782	1787	rBV	3177367	4193974	26.24%	7.783%
18	12.078	1787	1792	1799	rVV	1097223	1431239	8.95%	2.656%
19	12.298	1821	1828	1836	rBV	1215530	1508531	9.44%	2.799%
20	12.469	1850	1856	1863	rBV	1259025	1539755	9.63%	2.857%
21	12.938	1924	1933	1938	rBV2	231751	367192	2.30%	0.681%
22	13.023	1942	1947	1951	rBV	580928	828799	5.18%	1.538%
23	13.834	2072	2080	2086	rBV	9479910	11681602	73.08%	21.677%
24	13.926	2087	2095	2101	rVV	811835	1061011	6.64%	1.969%
25	14.694	2217	2221	2231	rVB	515122	664146	4.15%	1.232%
26	14.840	2240	2245	2254	rVB	310789	397852	2.49%	0.738%

Sum of corrected areas: 53888609

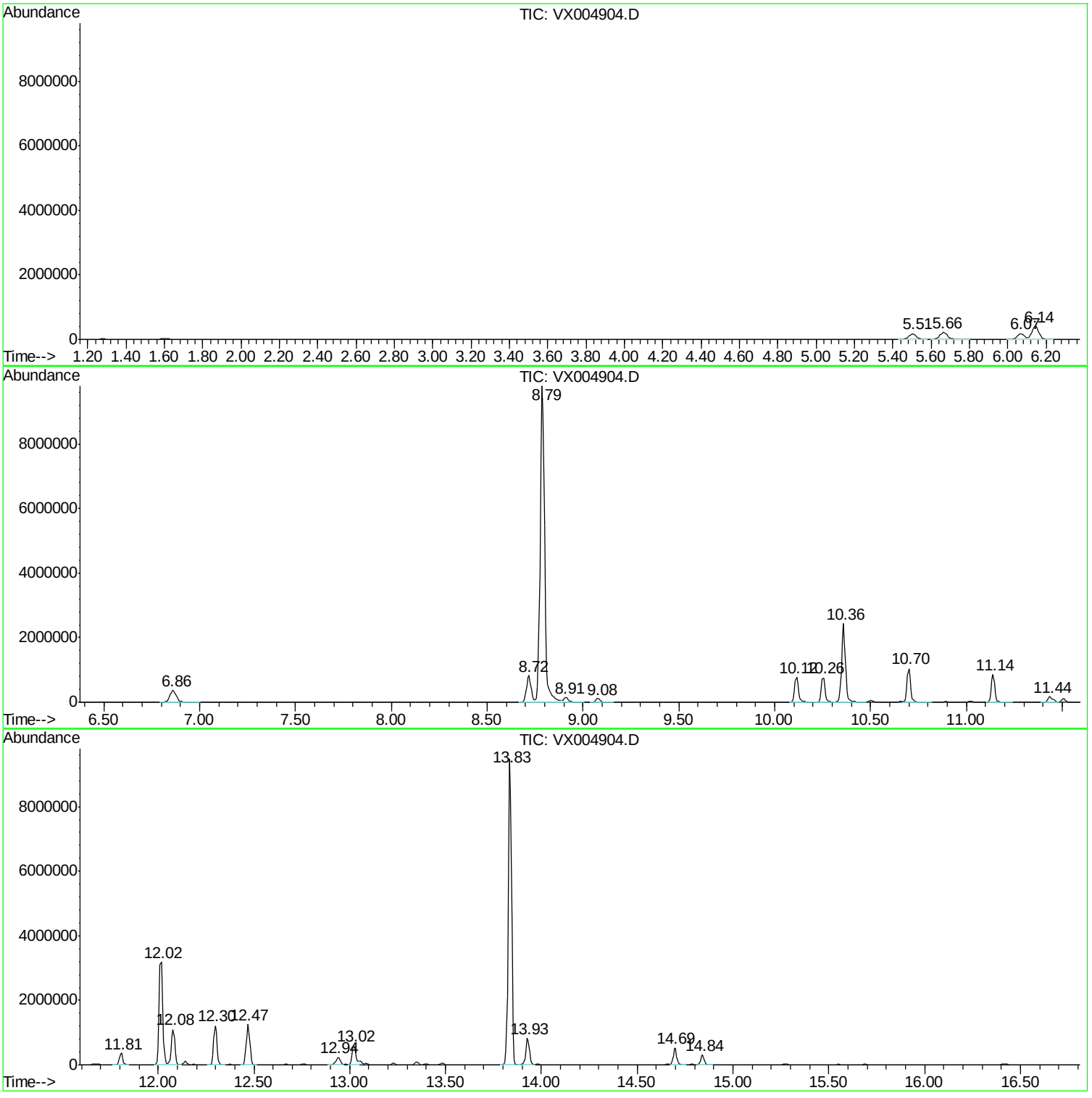
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

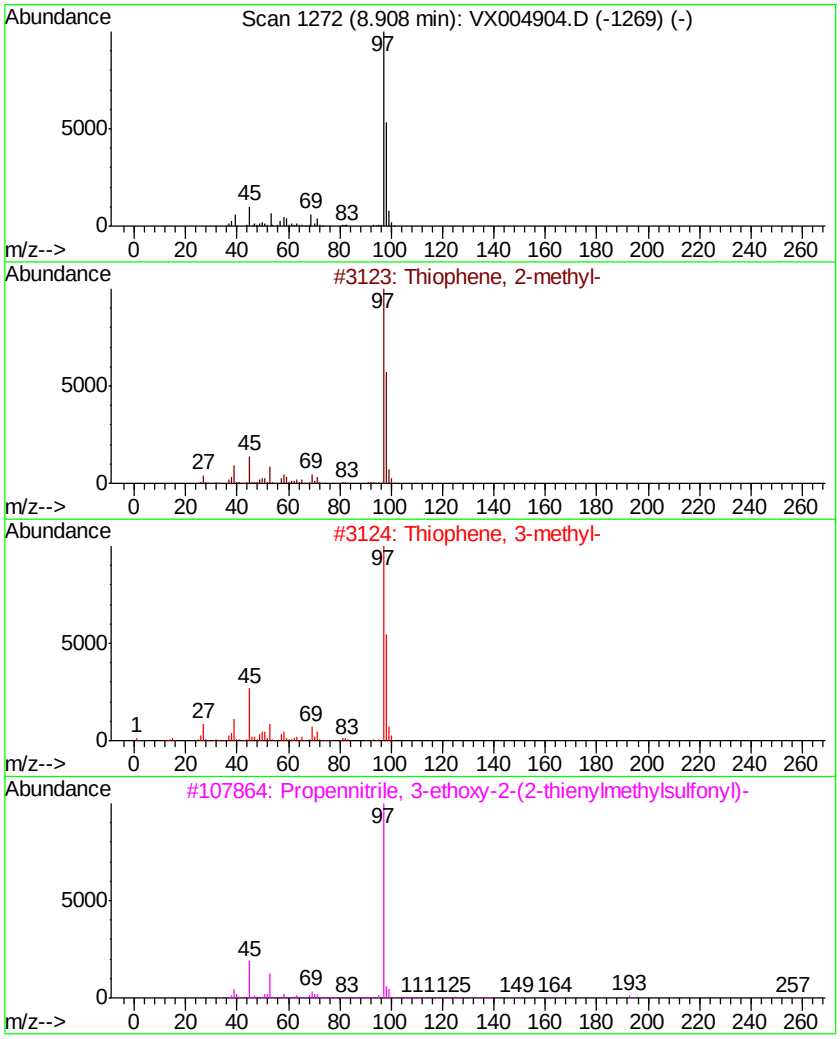
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

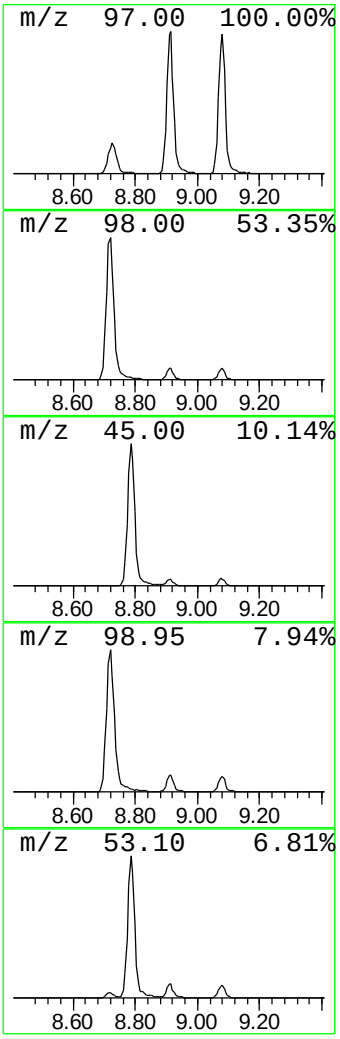
****

Peak Number 1 Thiophene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	10.64 ug/l	238746	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	94
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
3	Propennitrile, 3-ethoxy-2-(2-thi...	257	C10H11NO3S2	1000267-97-5	28
4	1H-Imidazole-4-methanol	98	C4H6N2O	000822-55-9	9
5	5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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

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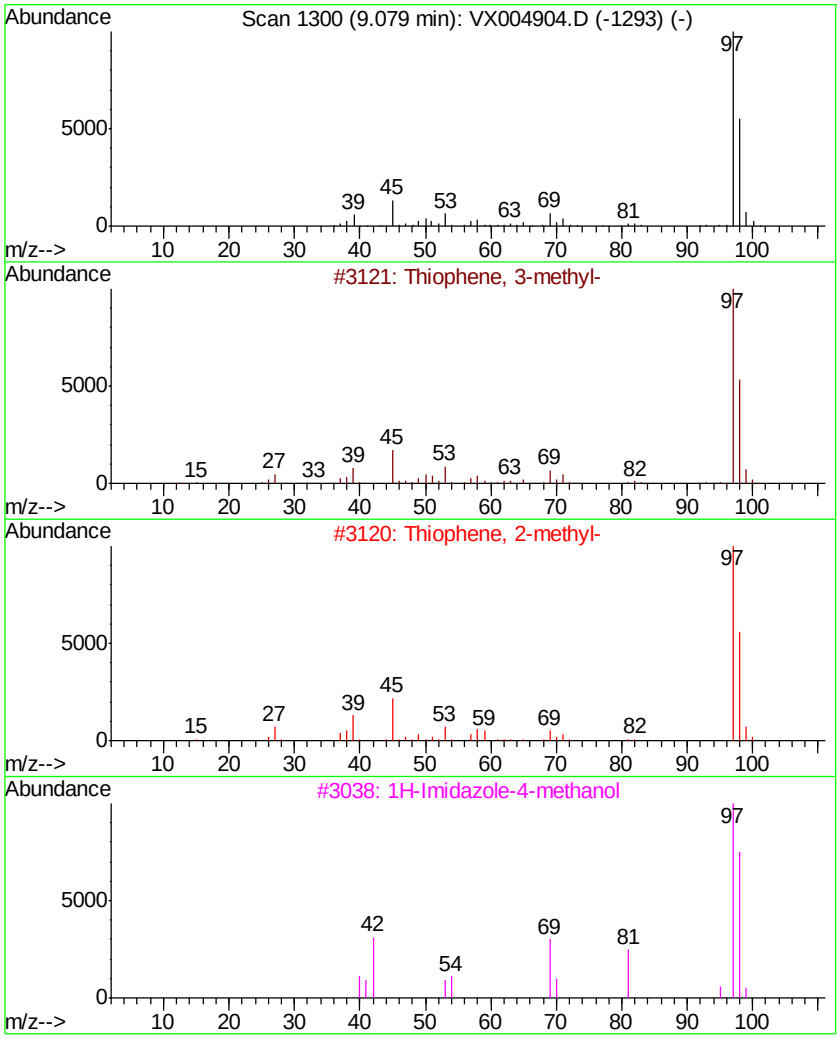
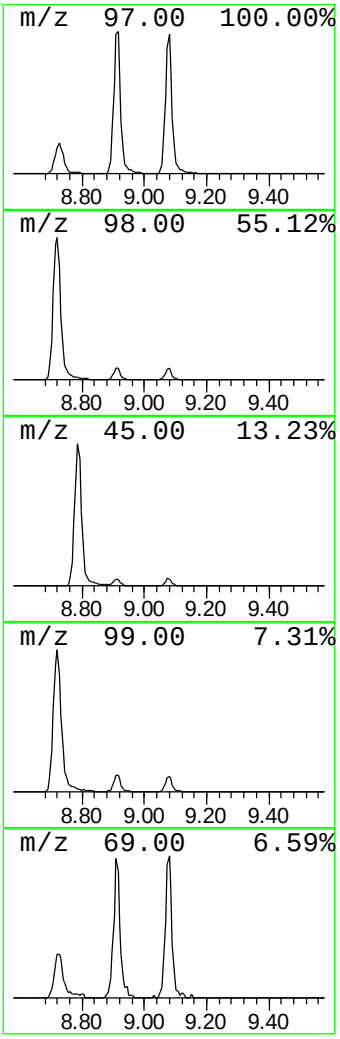
Peak Number 2 Thiophene, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	7.79 ug/l	174919	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	97
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
3	1H-Imidazole-4-methanol	98	C4H6N2O	000822-55-9	72
4	Propennitrile, 3-ethoxy-2-(2-thi...	257	C10H11NO3S2	1000267-97-5	50
5	2-Fluoropyridine	97	C5H4FN	000372-48-5	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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

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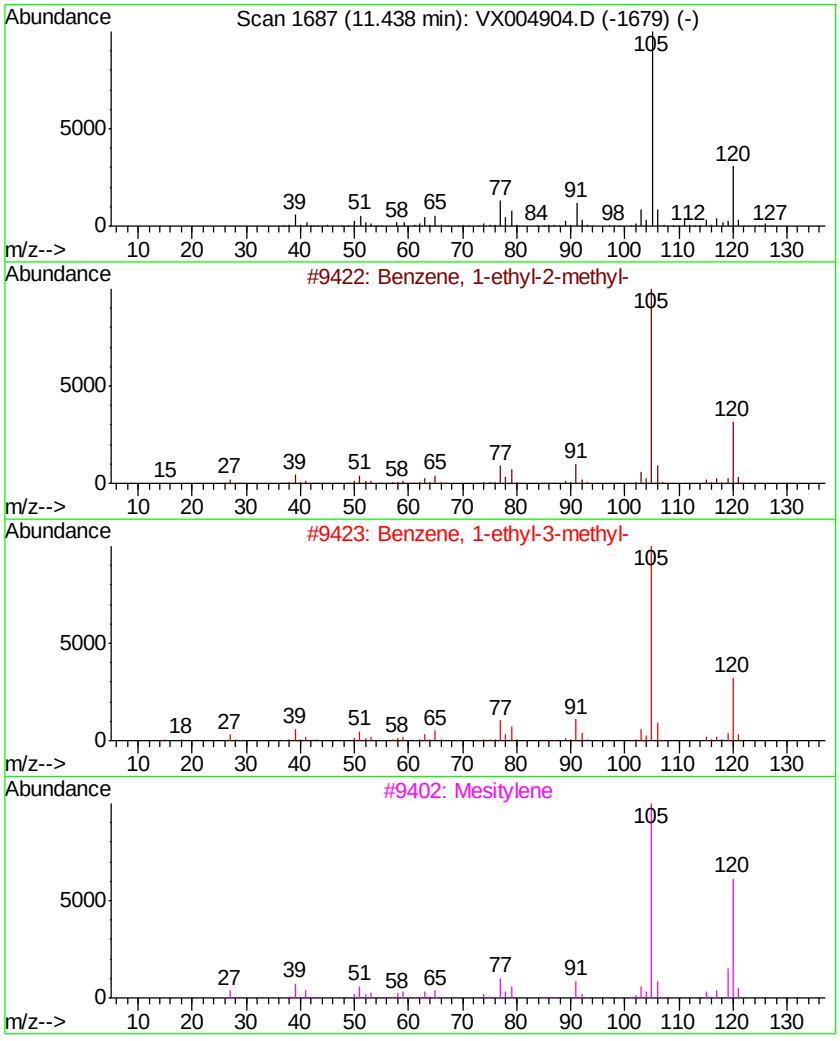
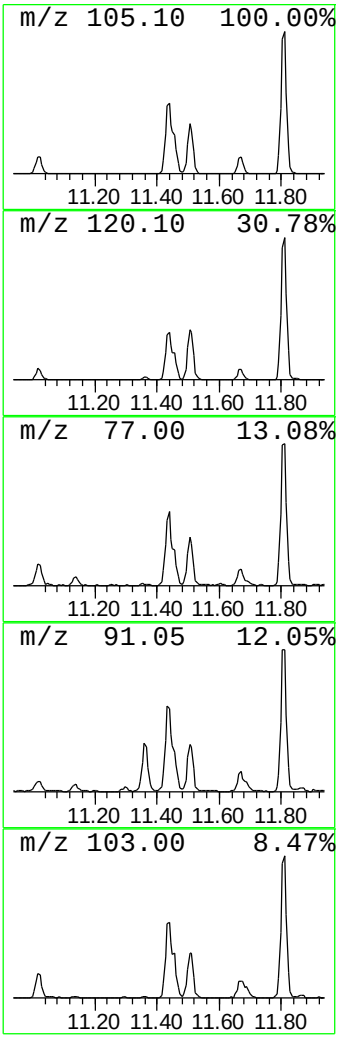
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	11.34 ug/l	324728	1,4-Dichlorobenzene-d4	12.08

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	93
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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

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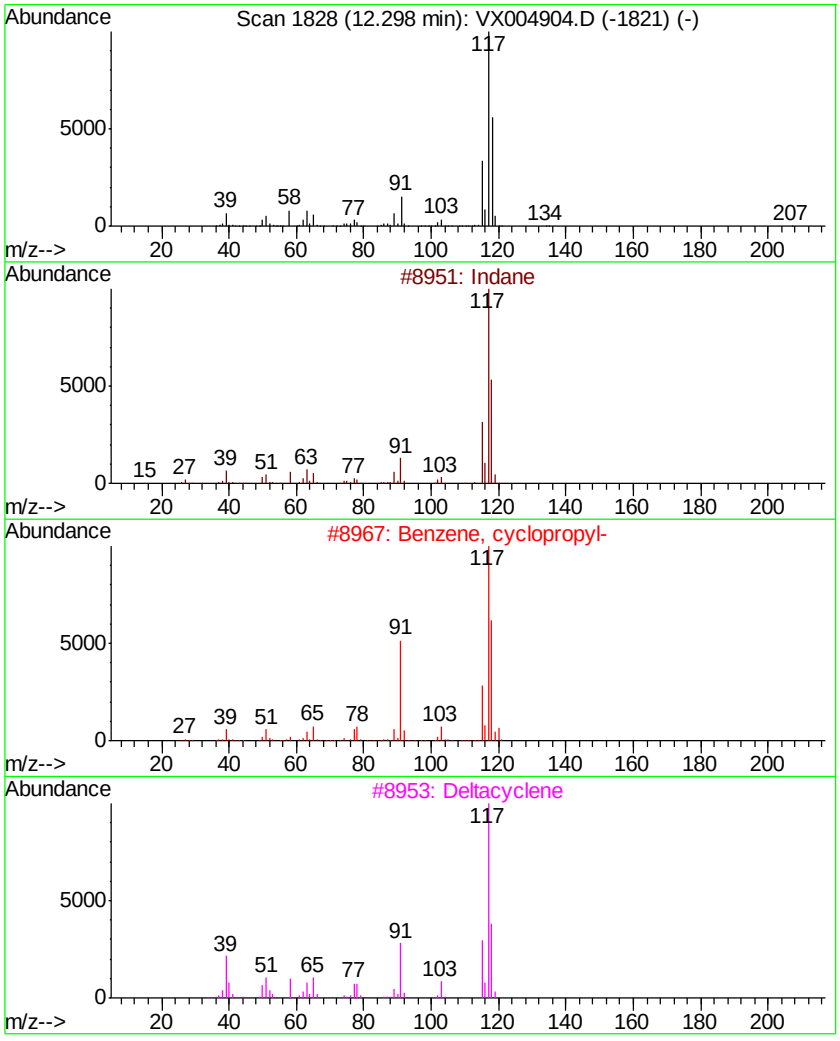
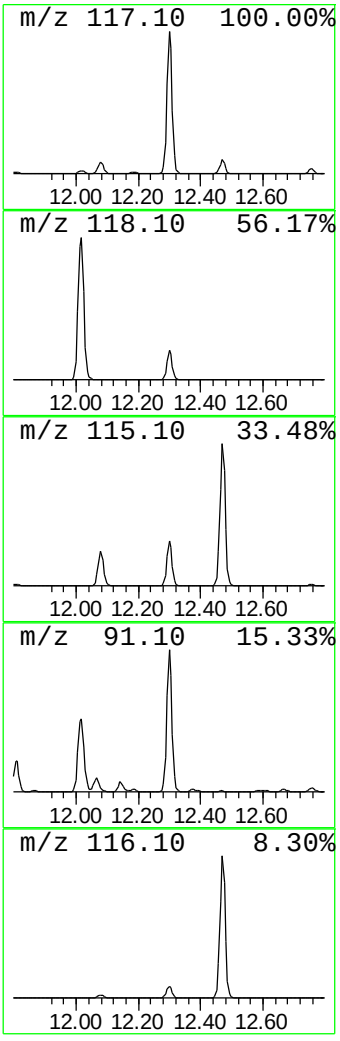
Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	52.70 ug/l	1508530	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	Deltacyclene	118	C9H10	007785-10-6	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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

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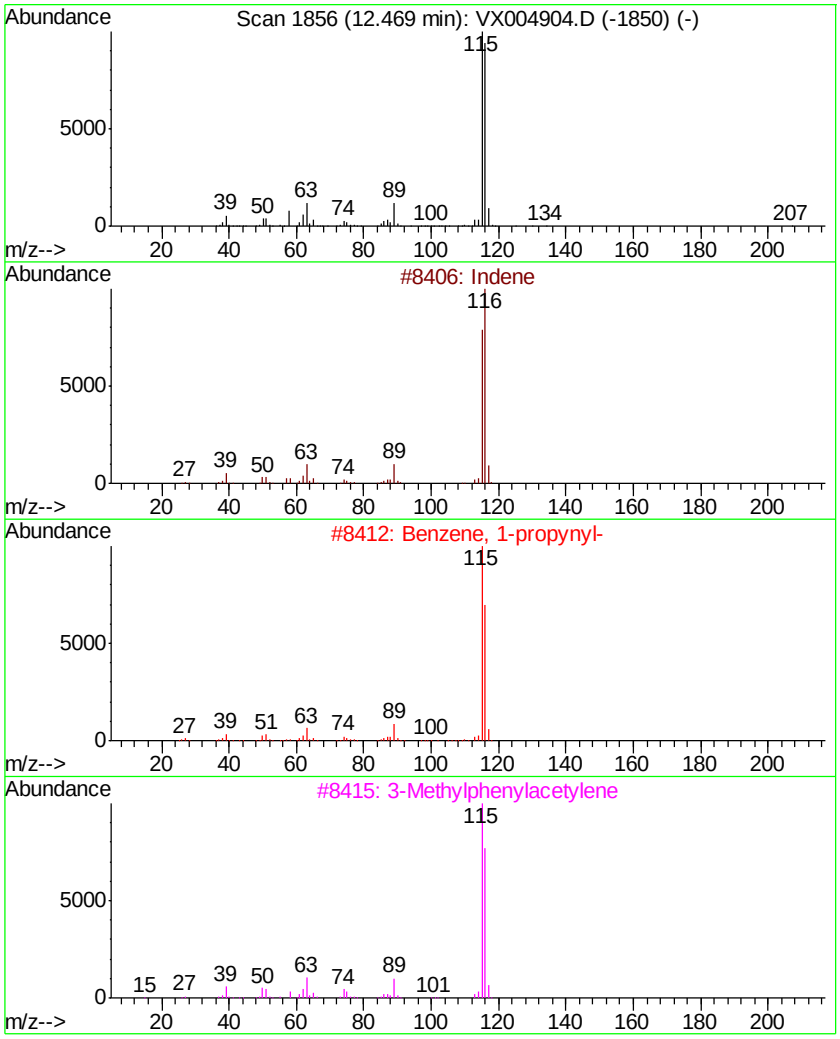
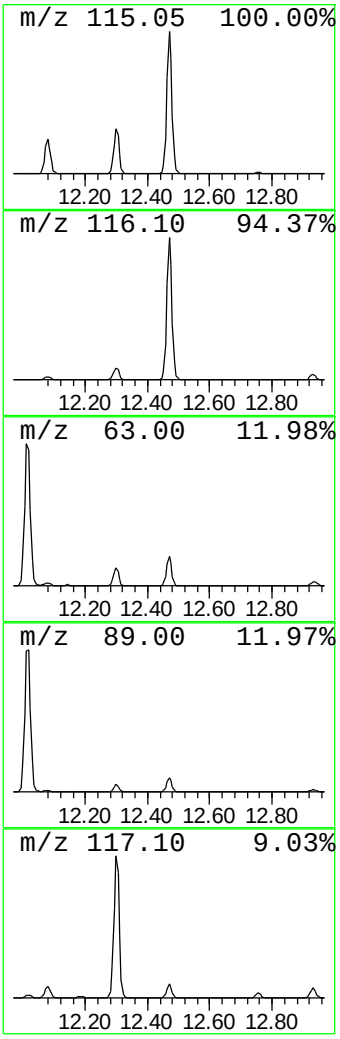
Peak Number 5 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	53.79 ug/l	1539760	1,4-Dichlorobenzene-d4	12.08

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	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

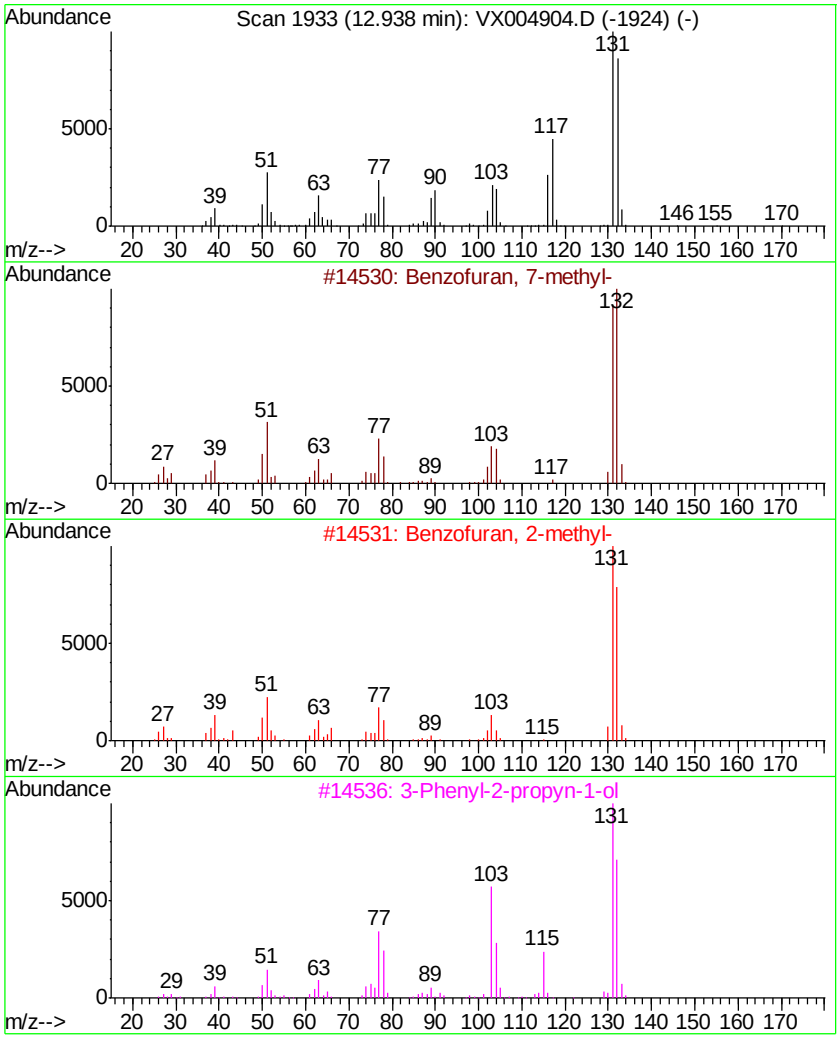
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

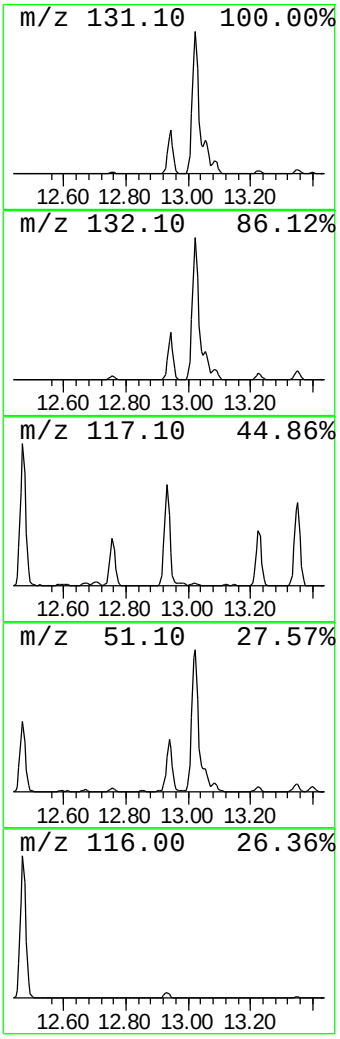
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	12.83 ug/l	367192	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	89
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	86
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	70
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	64
5	1H-Indenol	132	C9H8O	056631-57-3	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

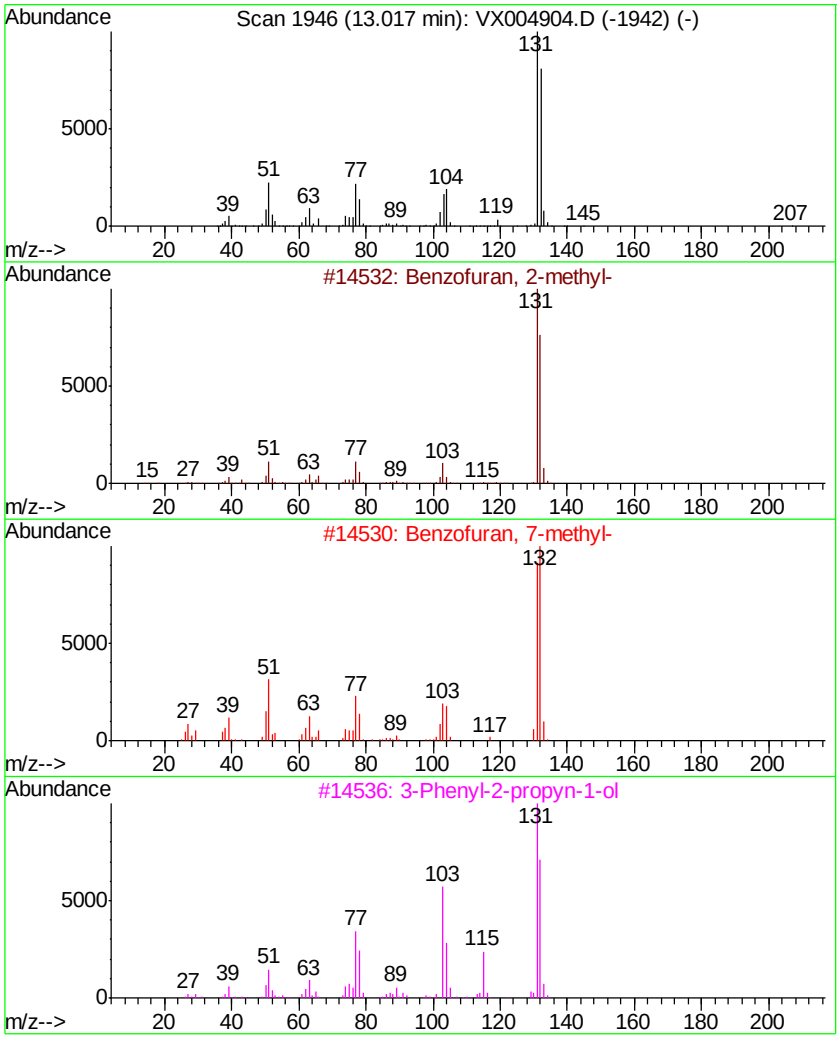
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

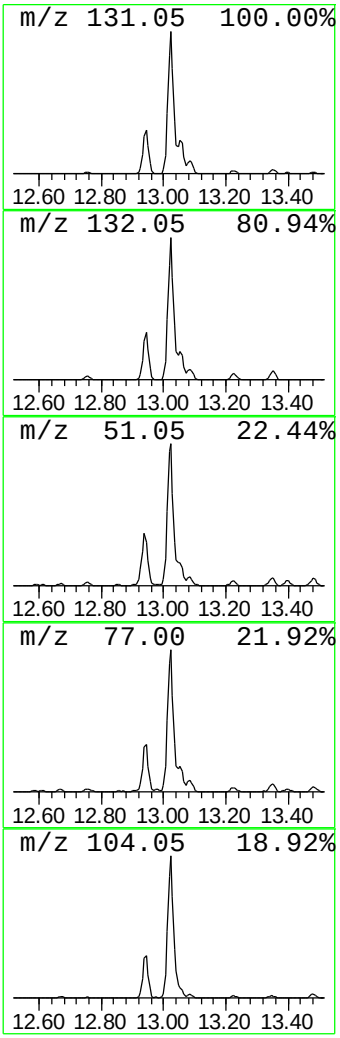
****

Peak Number 7 Benzofuran, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	28.95 ug/l	828799	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	91
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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

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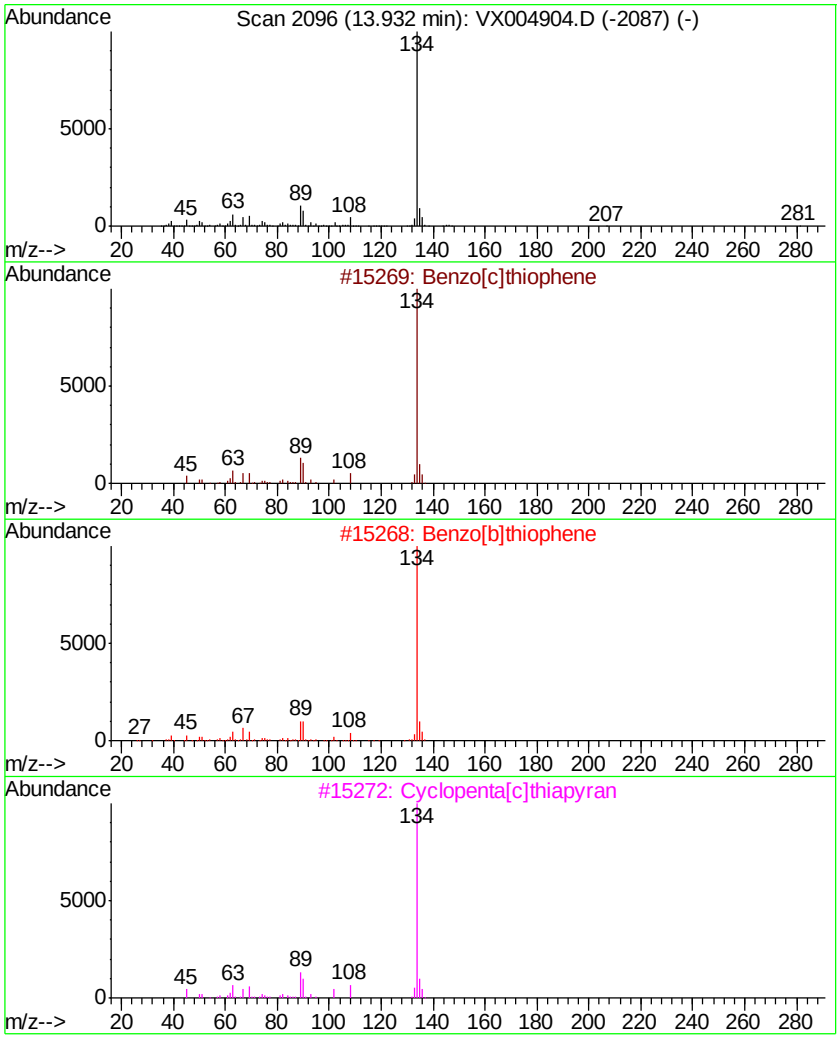
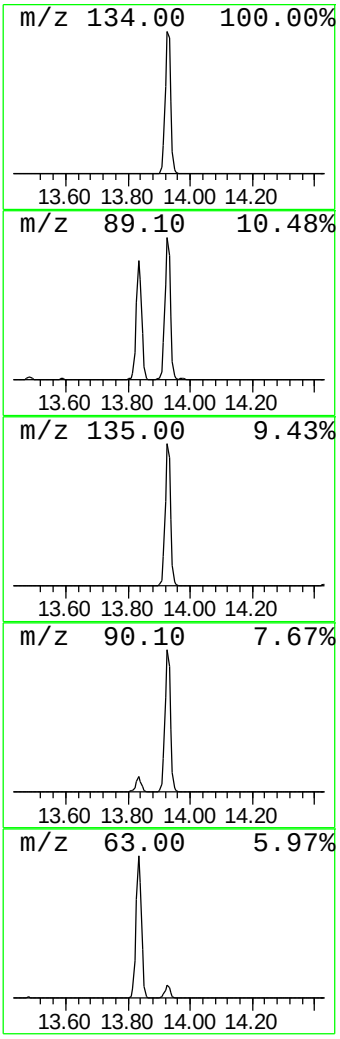
Peak Number 8 Benzo[c]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	37.07 ug/l	1061010	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	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	64
5	Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

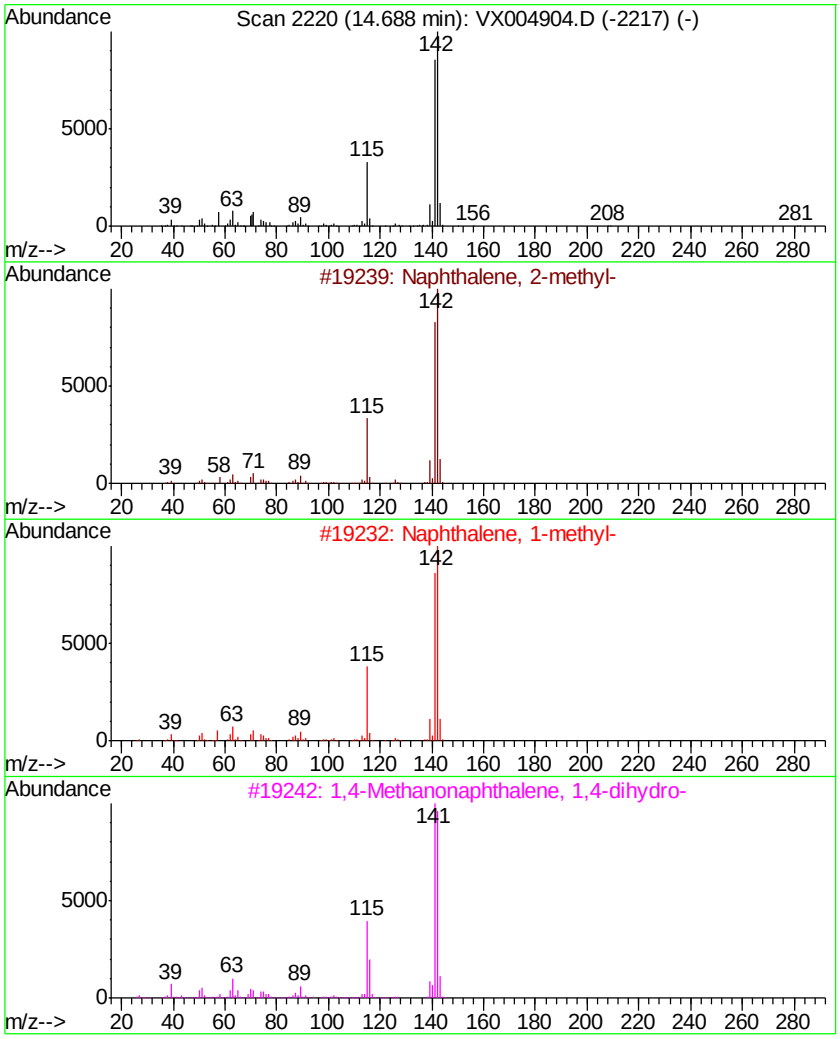
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

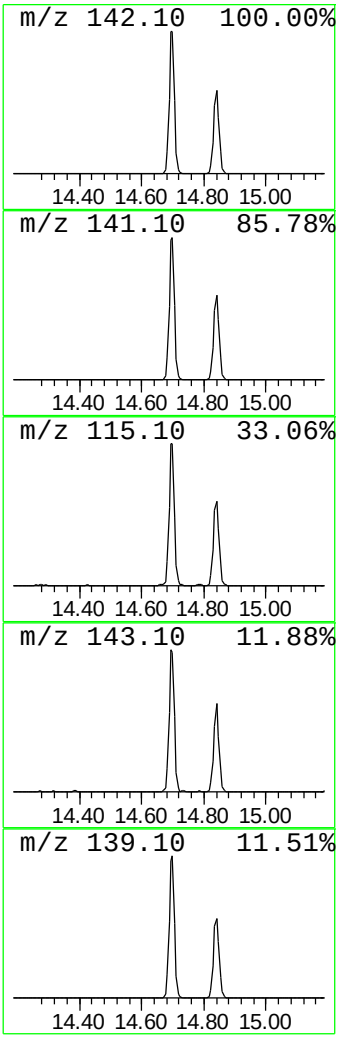
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	23.20 ug/l	664146	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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004904.D
Acq On : 02 Oct 2018 07:05
Operator : JC/MD
Sample : J5155-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW16S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.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
Thiophene, 2-methyl-	8.91	10.6	ug/l	238746	3	10.12	1122220	50.0
Thiophene, 3-methyl-	9.08	7.8	ug/l	174919	3	10.12	1122220	50.0
Benzene, 1-ethyl-...	11.44	11.3	ug/l	324728	4	12.08	1431240	50.0
Indane	12.30	52.7	ug/l	1508530	4	12.08	1431240	50.0
Indene	12.47	53.8	ug/l	1539760	4	12.08	1431240	50.0
Benzofuran, 7-met...	12.94	12.8	ug/l	367192	4	12.08	1431240	50.0
Benzofuran, 2-met...	13.02	28.9	ug/l	828799	4	12.08	1431240	50.0
Benzo[c]thiophene	13.93	37.1	ug/l	1061010	4	12.08	1431240	50.0
Naphthalene, 1-me...	14.69	23.2	ug/l	664146	4	12.08	1431240	50.0