LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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	1.324	22	28	44	rBV	415657	1842536	17.23%	3.740%
2	5.507	703	714	725	rBV	382402	1063083	9.94%	2.158%
3	5.665	728	740	757	rVB	655337	1839724	17.20%	3.734%
4	6.067	796	806	811	rBV	380646	982747	9.19%	1.995%
5	6.147	811	819	834	rVB	4127446	10695330	100.00%	21.708%
6	6.860	925	936	947	rBV	963109	2260796	21.14%	4.589%
7	8.713	1234	1240	1248	rBV	1932678	3064695	28.65%	6.220%
8	8.786	1248	1252	1264	rVB	77898	134212	1.25%	0.272%
9	10.116	1464	1470	1481	rBV	1901619	2634694	24.63%	5.348%
10	10.250	1487	1492	1502	rVV	1415496	1838127	17.19%	3.731%
11	10.359	1502	1510	1519	rVB2	121731	194409	1.82%	0.395%
12	10.701	1562	1566	1572	rVB	177078	232573	2.17%	0.472%
13	11.018	1611	1618	1623	rBV	287990	366168	3.42%	0.743%
14	11.140	1632	1638	1646	rBV	1612302	2084024	19.49%	4.230%
15	11.664	1720	1724	1732	rBV	91559	148498	1.39%	0.301%
16	11.804	1742	1747	1754	rVB	179139	221516	2.07%	0.450%
17	12.079	1786	1792	1800	rBV	2088714	2568761	24.02%	5.214%
18	12.298	1820	1828	1837	rBV	2832553	3464449	32.39%	7.032%
19	12.469	1851	1856	1862	rBV	1082484	1286183	12.03%	2.611%
20	12.755	1899	1903	1910	rVB	264738	327063	3.06%	0.664%
21	12.944	1929	1934	1938	rBV	912808	1159700	10.84%	2.354%
22	13.024	1942	1947	1961	rVB	1263803	2211117	20.67%	4.488%
23	13.347	1995	2000	2004	rVB3	84358	115078	1.08%	0.234%
24	13.402	2004	2009	2017	rVB	136773	178276	1.67%	0.362%
25	13.481	2017	2022	2028	rBV	184189	246302	2.30%	0.500%
26	13.834	2071	2080	2087	rBV	3036990	4011201	37.50%	8.141%
27	13.926	2087	2095	2102	rVV	617511	945078	8.84%	1.918%
28	14.157	2125	2133	2144	rBV7	69577	171677	1.61%	0.348%
29	14.444	2174	2180	2185	rBV2	90768	150599	1.41%	0.306%
30	14.657	2212	2215	2219	rVB	91991	112252	1.05%	0.228%
31	14.840	2240	2245	2254	rVB	1332017	1672221	15.64%	3.394%
32	15.273	2306	2316	2321	rBV2	64270	108338	1.01%	0.220%
33	15.547	2356	2361	2366	rBV	77212	130202	1.22%	0.264%
34	15.688	2376	2384	2388	rBV2	122312	218018	2.04%	0.443%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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

35	15.919	2412	2422	2432	rVB3	40041	116284	1.09%	0.236%
36	16.419	2497	2504	2512	rBV	259321	472664	4.42%	0.959%

Sum of corrected areas: 49268595

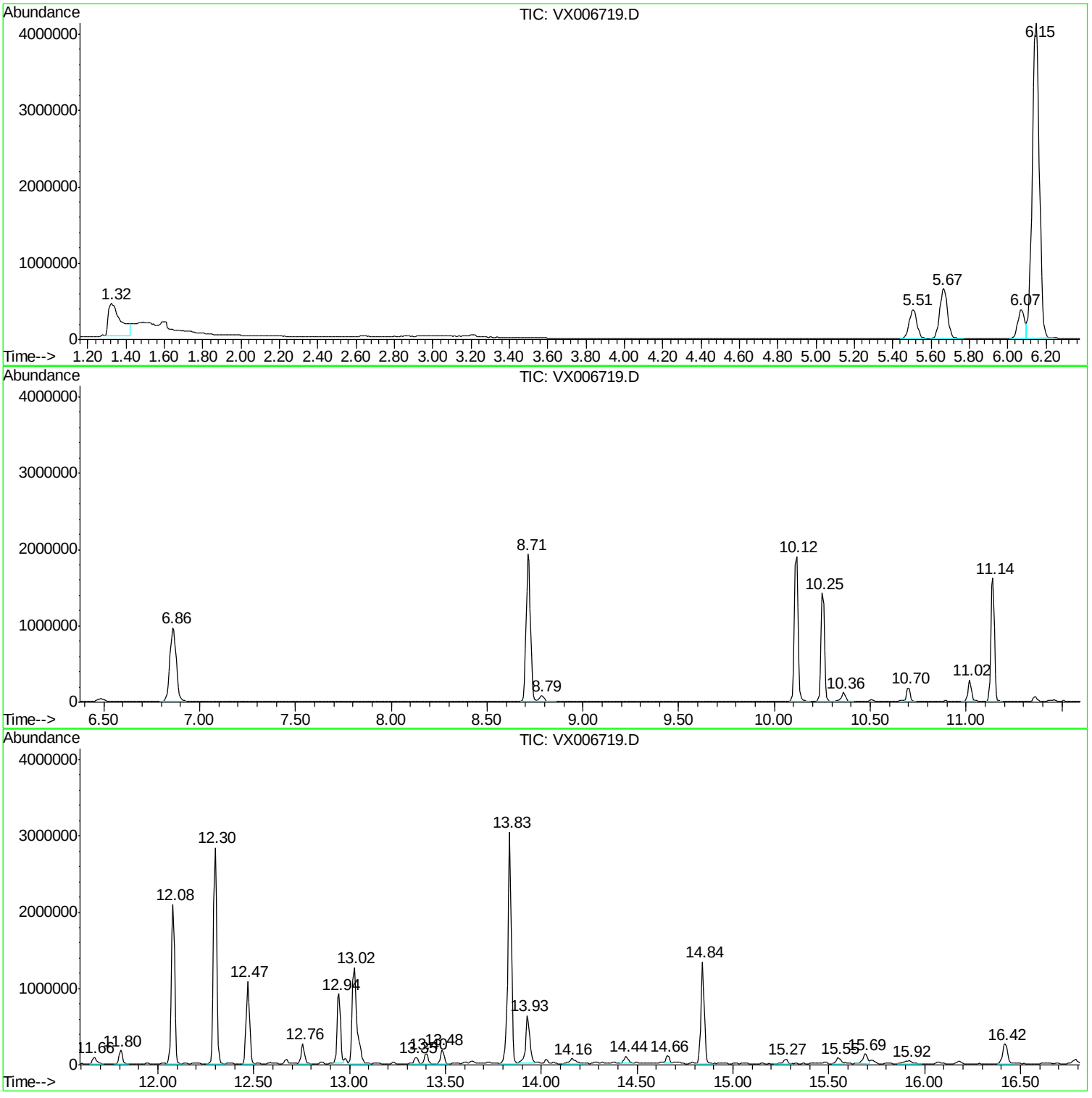
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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

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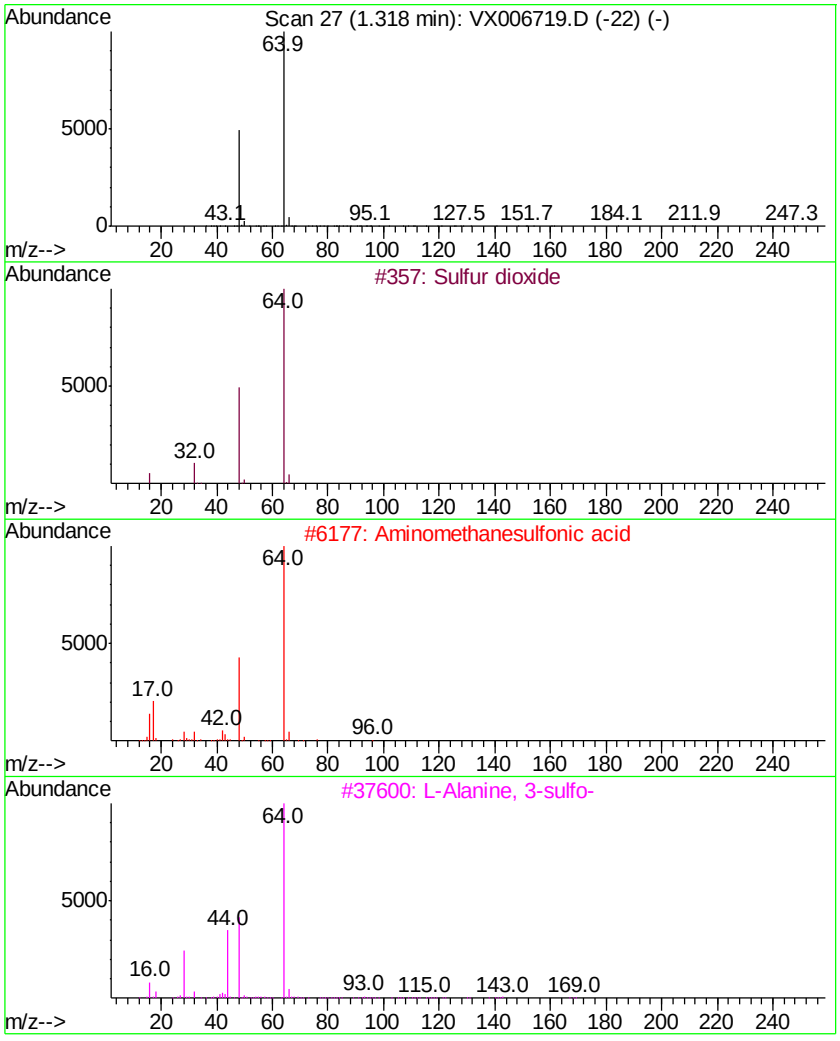
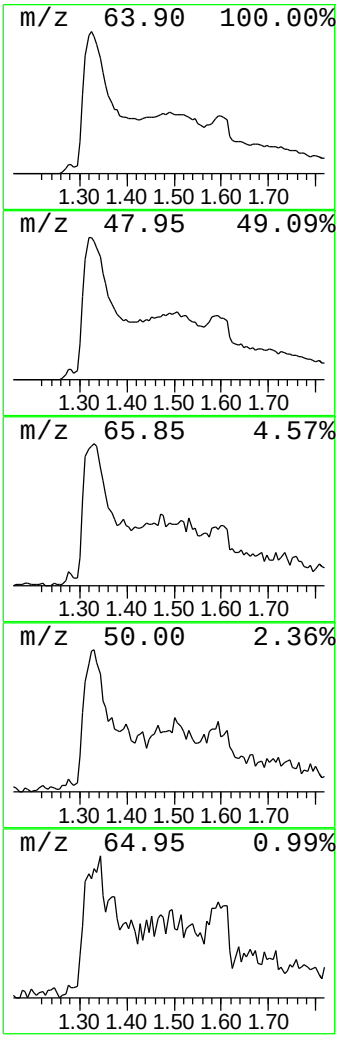
Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.32	50.08 ug/l	1842540	Pentafluorobenzene	5.67

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\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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

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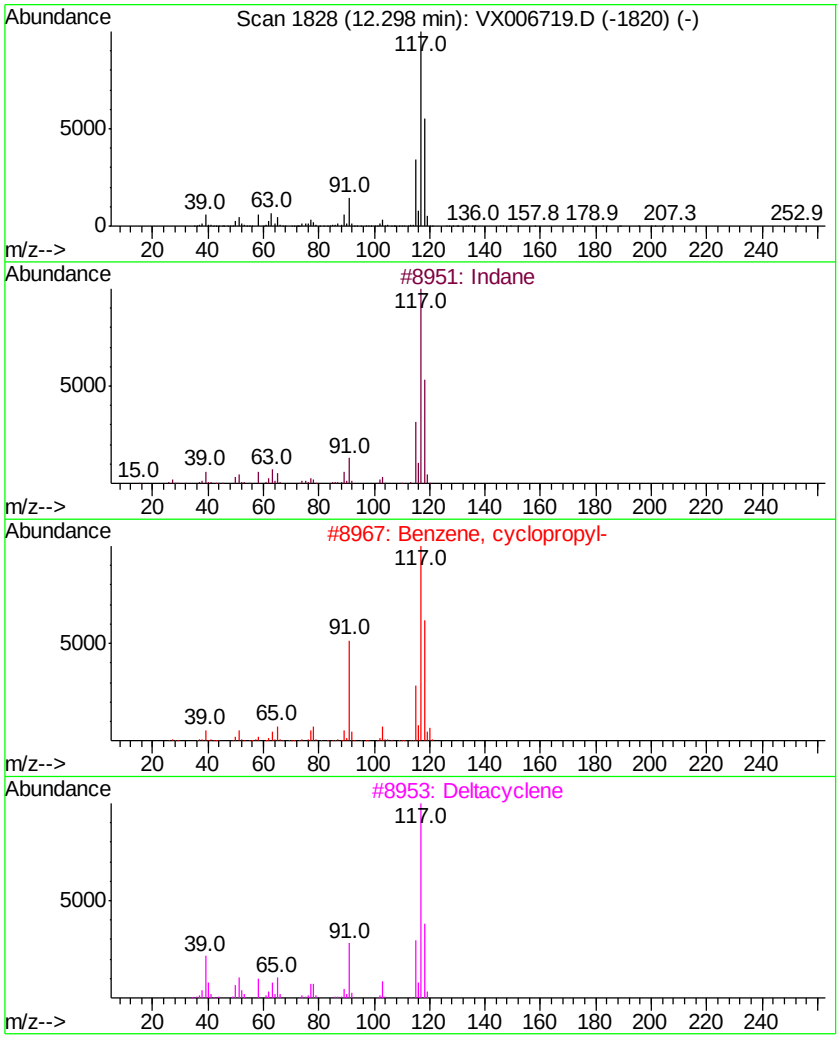
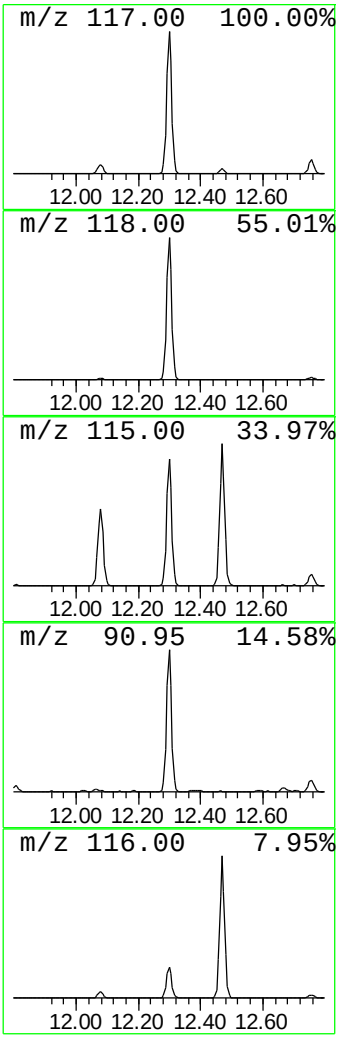
Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	67.43 ug/l	3464450	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	80
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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

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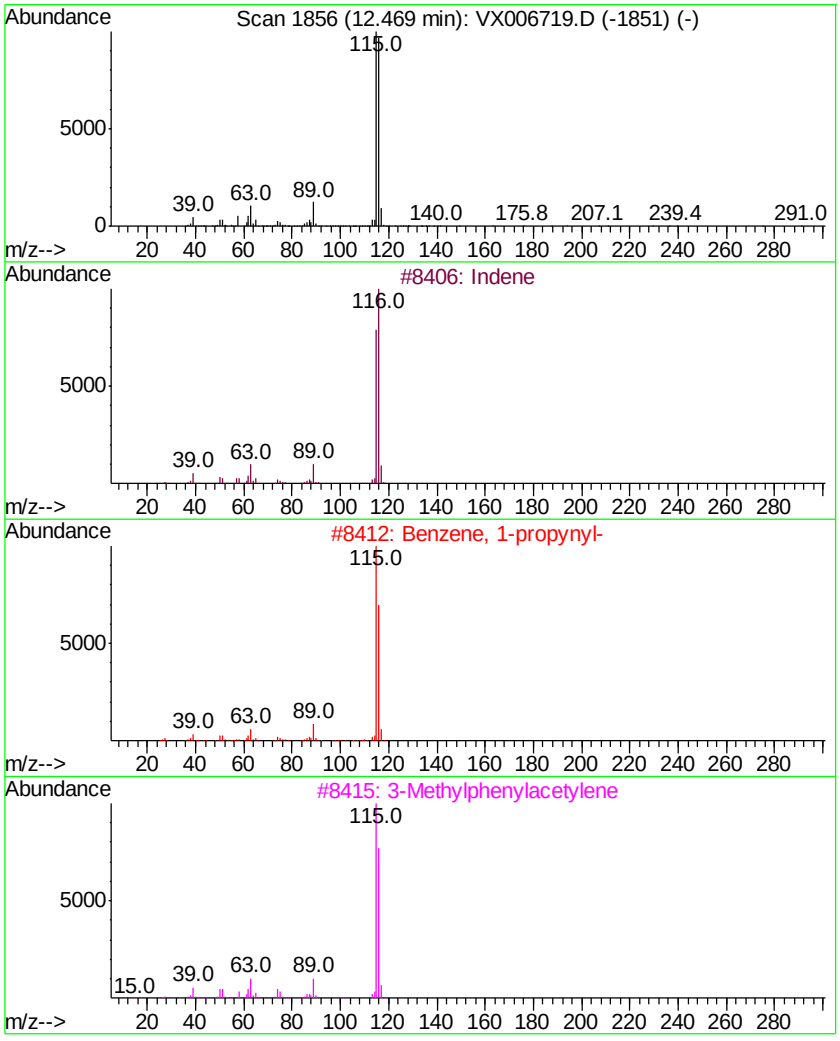
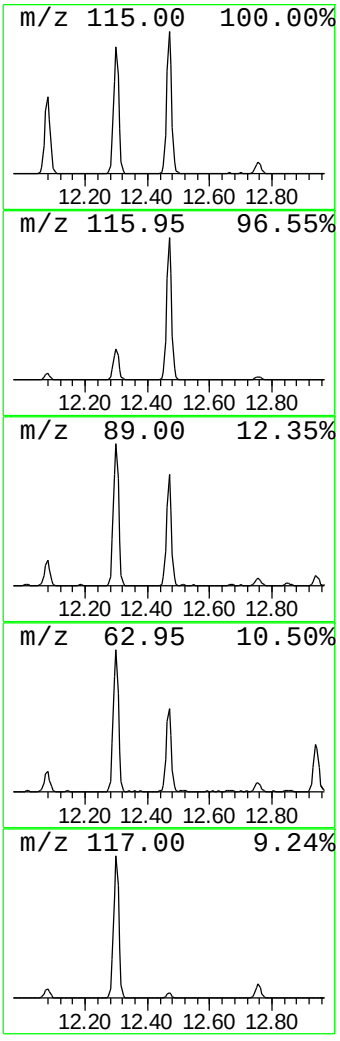
Peak Number 3 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	25.04 ug/l	1286180	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	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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

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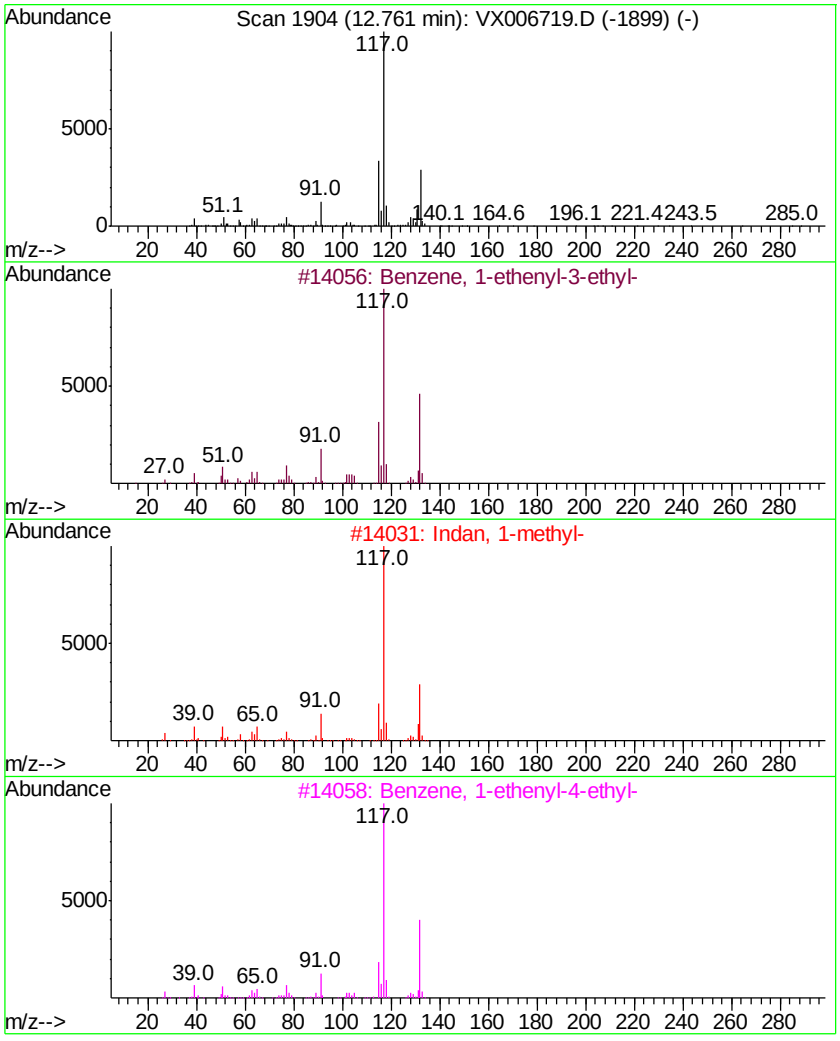
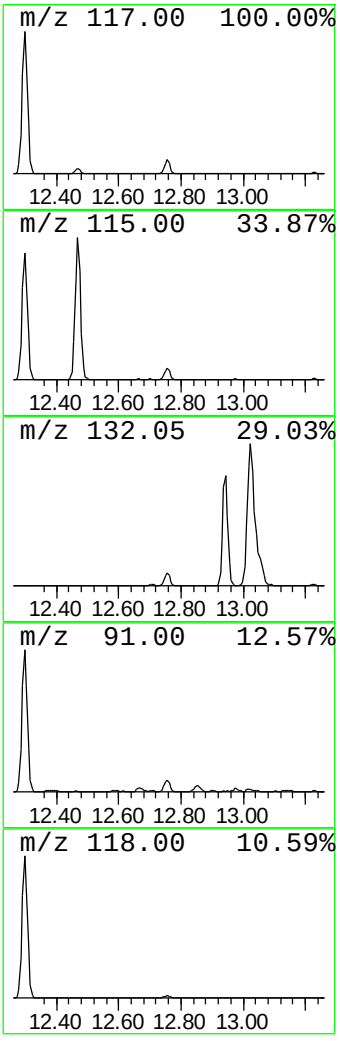
Peak Number 4 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	6.37 ug/l	327063	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

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

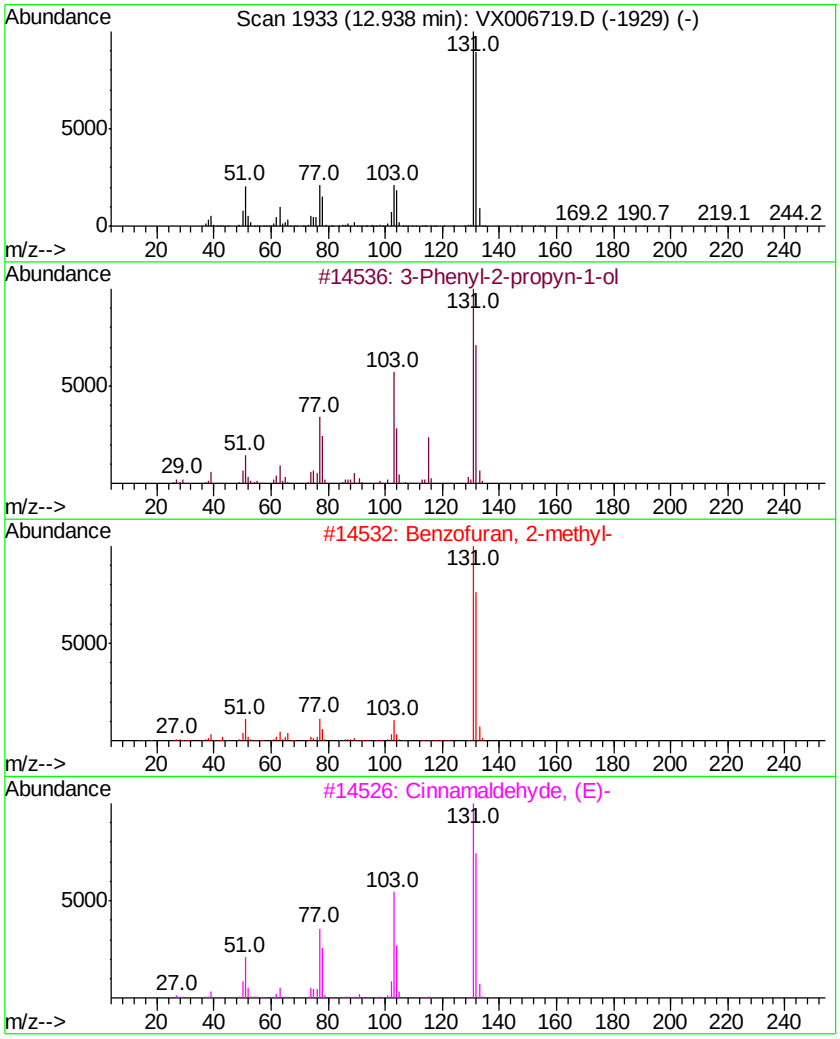
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

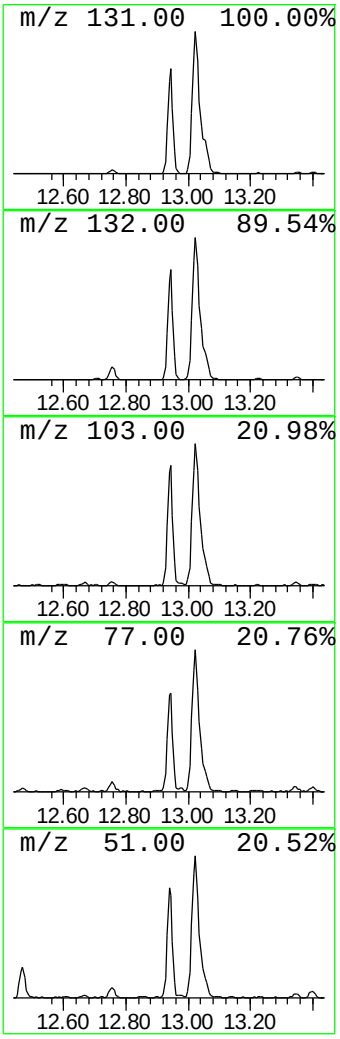
****

Peak Number 5 3-Phenyl-2-propyn-1-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	22.57 ug/l	1159700	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
4	Benzenemethanol, .alpha.-ethynyl-	132	C9H8O	004187-87-5	90
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

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

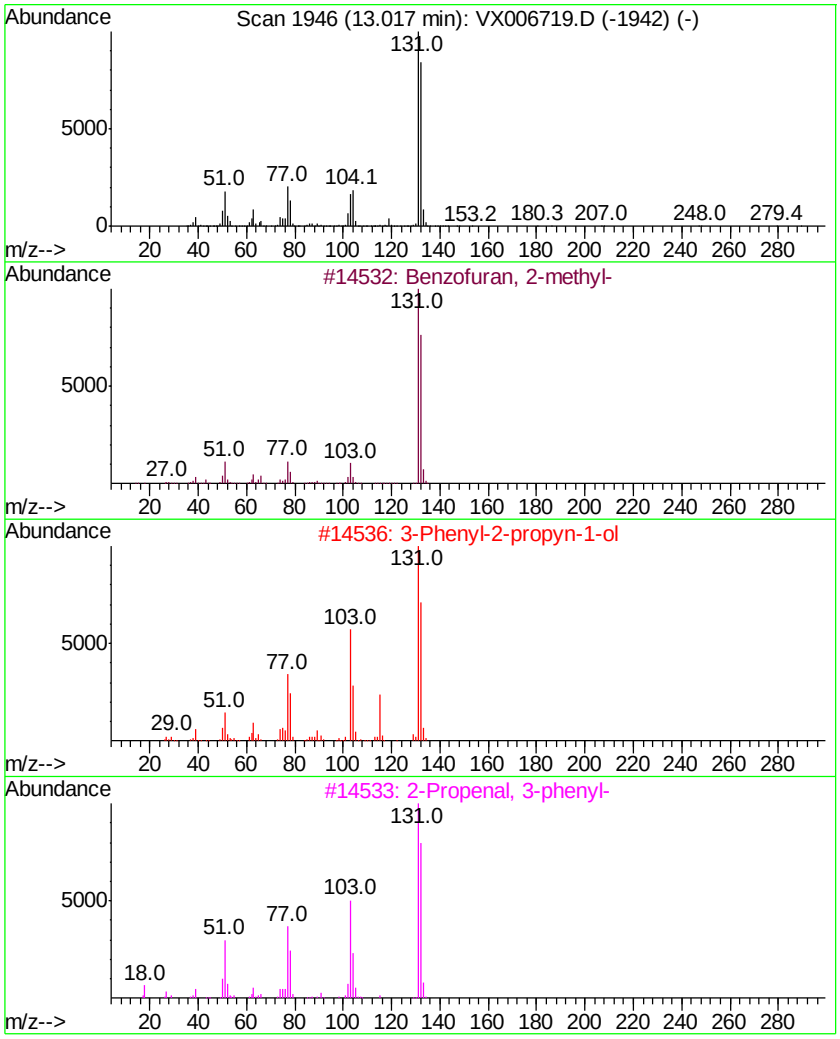
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

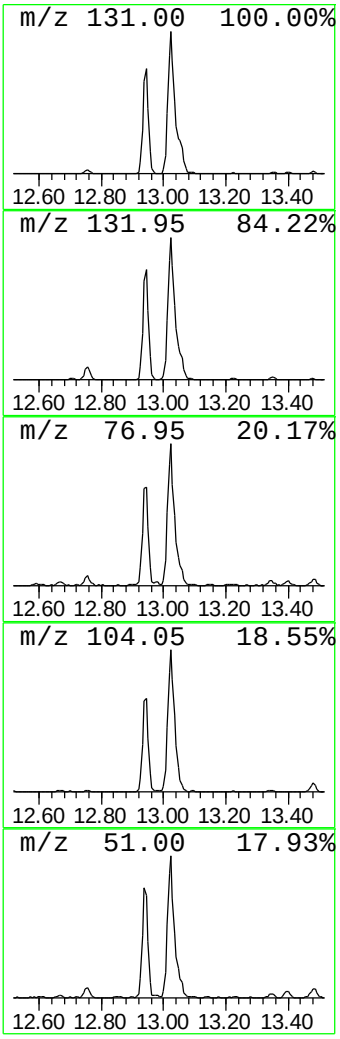
****

Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	43.04 ug/l	2211120	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
3	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
4	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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

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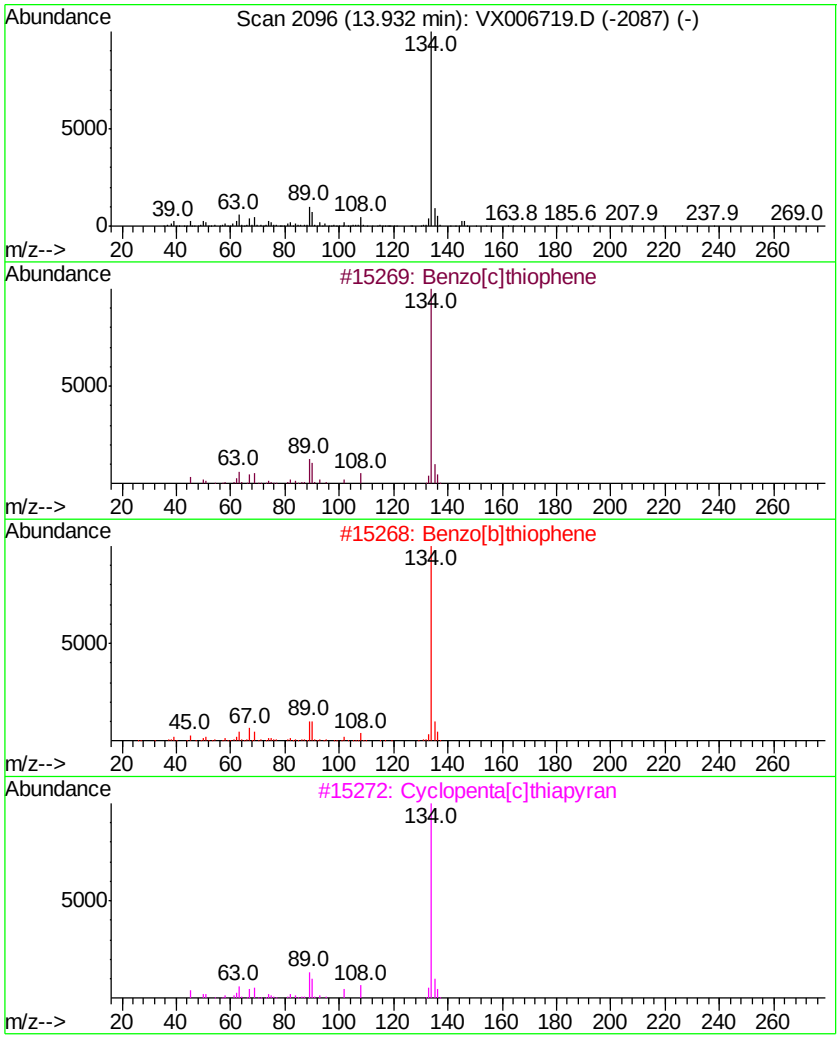
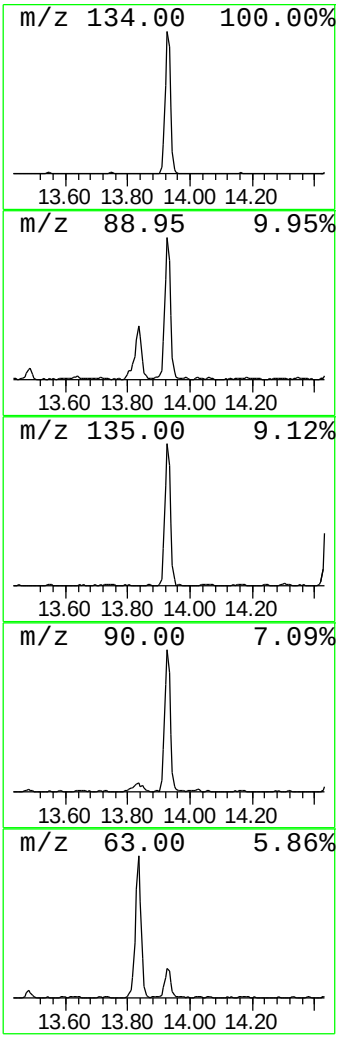
Peak Number 7 Benzo[c]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	18.40 ug/l	945078	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\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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

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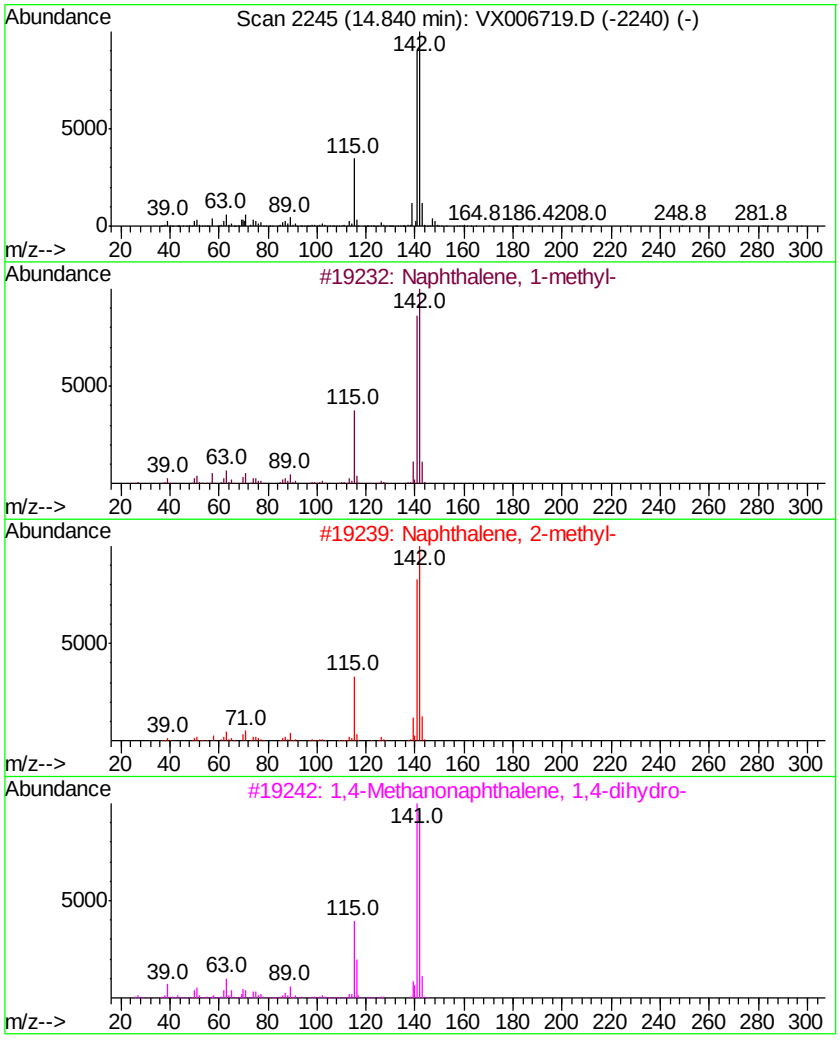
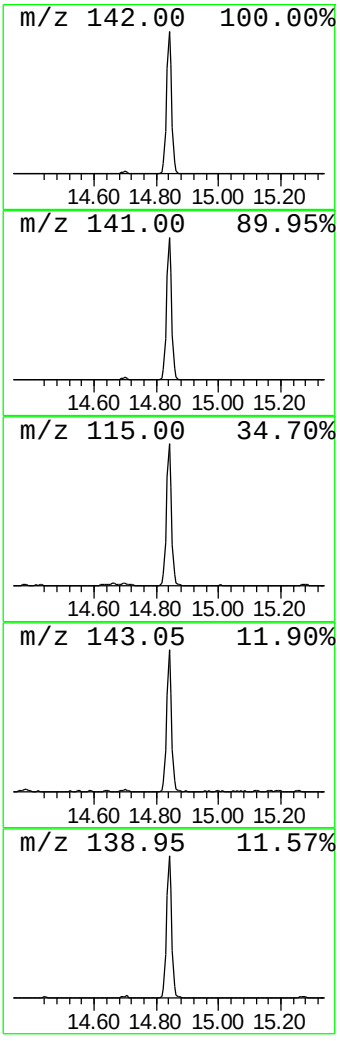
Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	32.55 ug/l	1672220	1,4-Dichlorobenzene-d4	12.08

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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

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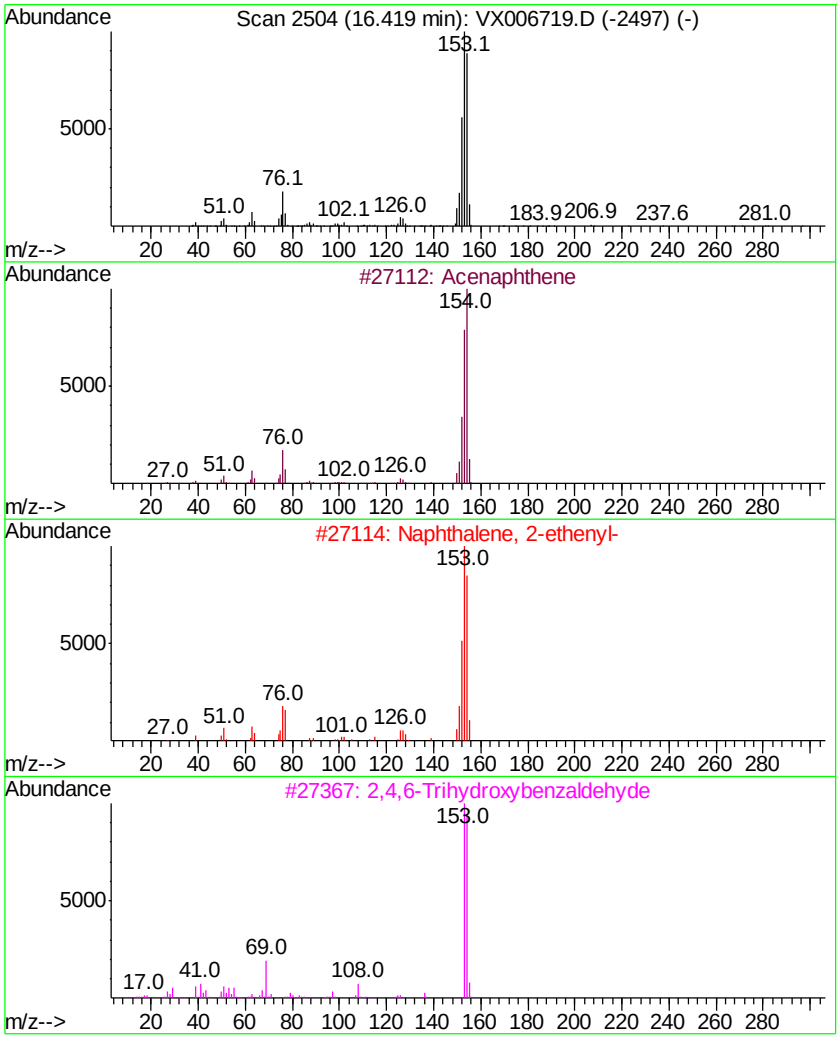
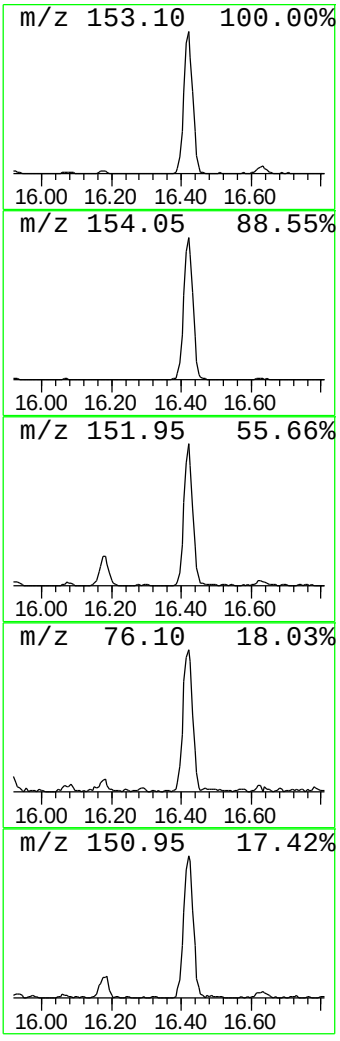
Peak Number 9 Acenaphthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	9.20 ug/l	472664	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	94
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	59
3	2,4,6-Trihydroxybenzaldehyde	154	C7H6O4	000487-70-7	50
4	.beta.-(1-Naphthyl)acrylic acid	198	C13H10O2	013026-12-5	47
5	Biphenyl	154	C12H10	000092-52-4	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006719.D
Acq On : 21 Dec 2018 13:16
Operator : JC/MD
Sample : J6492-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-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	50.1	ug/l	1842540	1	5.67	1839720	50.0
Indane	12.30	67.4	ug/l	3464450	4	12.08	2568760	50.0
Indene	12.47	25.0	ug/l	1286180	4	12.08	2568760	50.0
Benzene, 1-etheny...	12.76	6.4	ug/l	327063	4	12.08	2568760	50.0
3-Phenyl-2-propyn...	12.94	22.6	ug/l	1159700	4	12.08	2568760	50.0
Benzofuran, 2-met...	13.02	43.0	ug/l	2211120	4	12.08	2568760	50.0
Benzo[c]thiophene	13.93	18.4	ug/l	945078	4	12.08	2568760	50.0
Naphthalene, 1-me...	14.84	32.5	ug/l	1672220	4	12.08	2568760	50.0
Acenaphthene	16.42	9.2	ug/l	472664	4	12.08	2568760	50.0