LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 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\82X061919W.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	1.276	16	20	23	rBV	159849	215466	2.34%	0.655%
2	5.500	700	713	726	rBV	139049	400655	4.34%	1.217%
3	5.665	729	740	753	rVB	233409	654127	7.09%	1.987%
4	6.067	794	806	810	rBV2	129030	343225	3.72%	1.043%
5	6.147	810	819	839	rVB	3536966	9225564	100.00%	28.024%
6	6.860	926	936	948	rBV	343968	820761	8.90%	2.493%
7	8.713	1233	1240	1247	rBV	736031	1131117	12.26%	3.436%
8	10.109	1463	1469	1480	rBV	724143	991767	10.75%	3.013%
9	10.249	1484	1492	1500	rVV	1519929	1893266	20.52%	5.751%
10	10.359	1506	1510	1517	rVB	63725	96821	1.05%	0.294%
11	10.695	1562	1565	1574	rVB	111317	151219	1.64%	0.459%
12	11.018	1612	1618	1629	rBV	294919	389789	4.23%	1.184%
13	11.133	1632	1637	1646	rBV	649207	818063	8.87%	2.485%
14	11.664	1719	1724	1732	rBV	91185	134898	1.46%	0.410%
15	11.804	1742	1747	1753	rBV	161646	189279	2.05%	0.575%
16	12.078	1786	1792	1798	rVB	780281	1046050	11.34%	3.178%
17	12.298	1822	1828	1836	rVB	2550349	3102012	33.62%	9.423%
18	12.469	1850	1856	1861	rBV	153851	198791	2.15%	0.604%
19	12.755	1898	1903	1910	rVB	217628	281826	3.05%	0.856%
20	12.938	1928	1933	1937	rVV	1054109	1274736	13.82%	3.872%
21	13.023	1942	1947	1957	rVB	1303693	2363426	25.62%	7.179%
22	13.340	1989	1999	2004	rBV2	72968	112342	1.22%	0.341%
23	13.834	2072	2080	2086	rBV	2280571	3134228	33.97%	9.521%
24	13.926	2086	2095	2102	rVV	695963	1041774	11.29%	3.165%
25	14.157	2124	2133	2142	rBV3	62391	150227	1.63%	0.456%
26	14.438	2172	2179	2185	rBV	127846	183011	1.98%	0.556%
27	14.657	2211	2215	2219	rVB	105535	131256	1.42%	0.399%
28	14.840	2239	2245	2254	rBV	1215217	1653497	17.92%	5.023%
29	15.547	2355	2361	2366	rBV	60881	104021	1.13%	0.316%
30	15.688	2372	2384	2388	rBV	106058	197913	2.15%	0.601%
31	15.913	2411	2421	2433	rBV2	34254	97361	1.06%	0.296%
32	16.413	2495	2503	2511	rBV	220627	391166	4.24%	1.188%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 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\82X061919W.M
Title : SW846 8260

Sum of corrected areas: 32919654

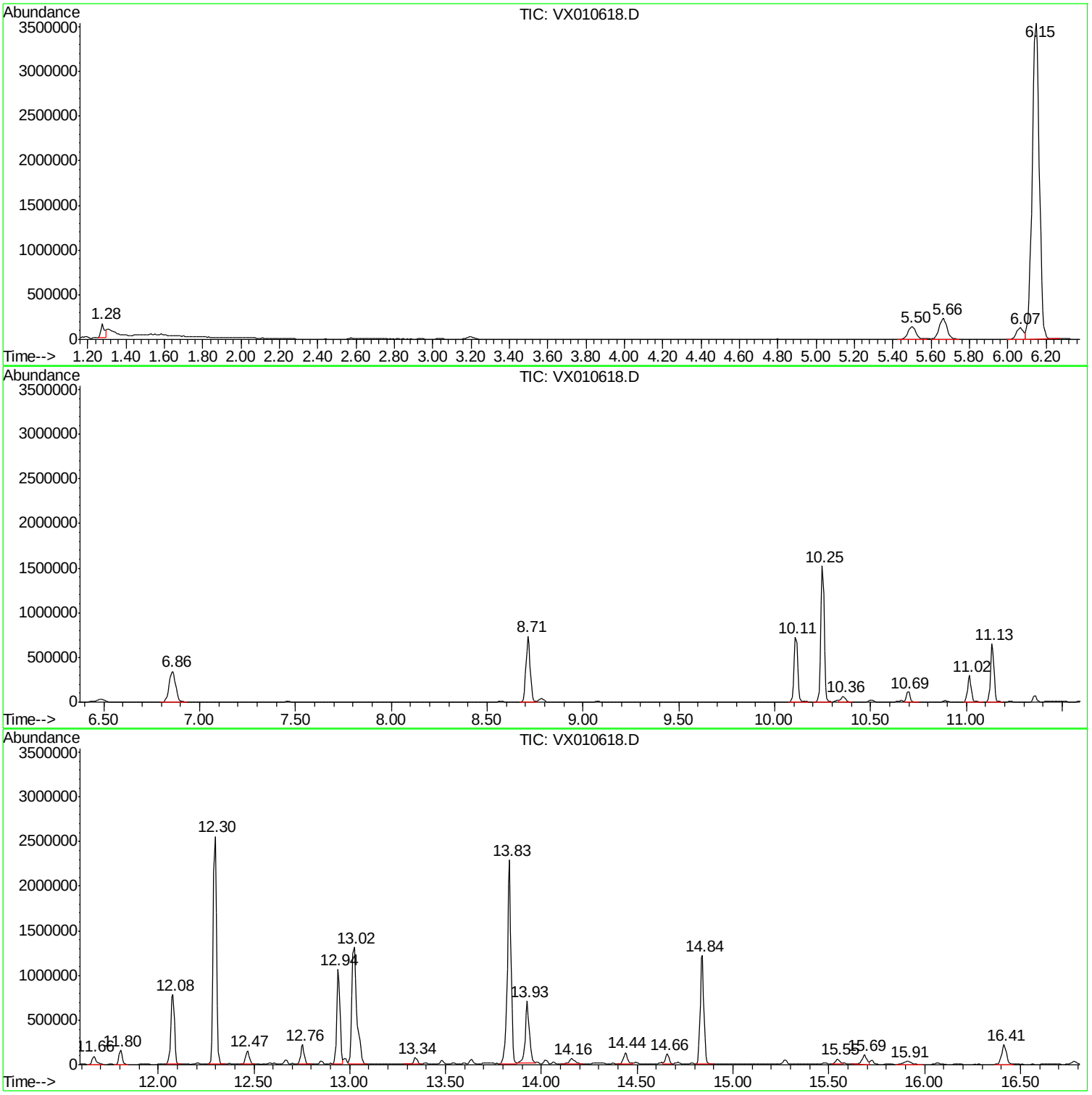
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

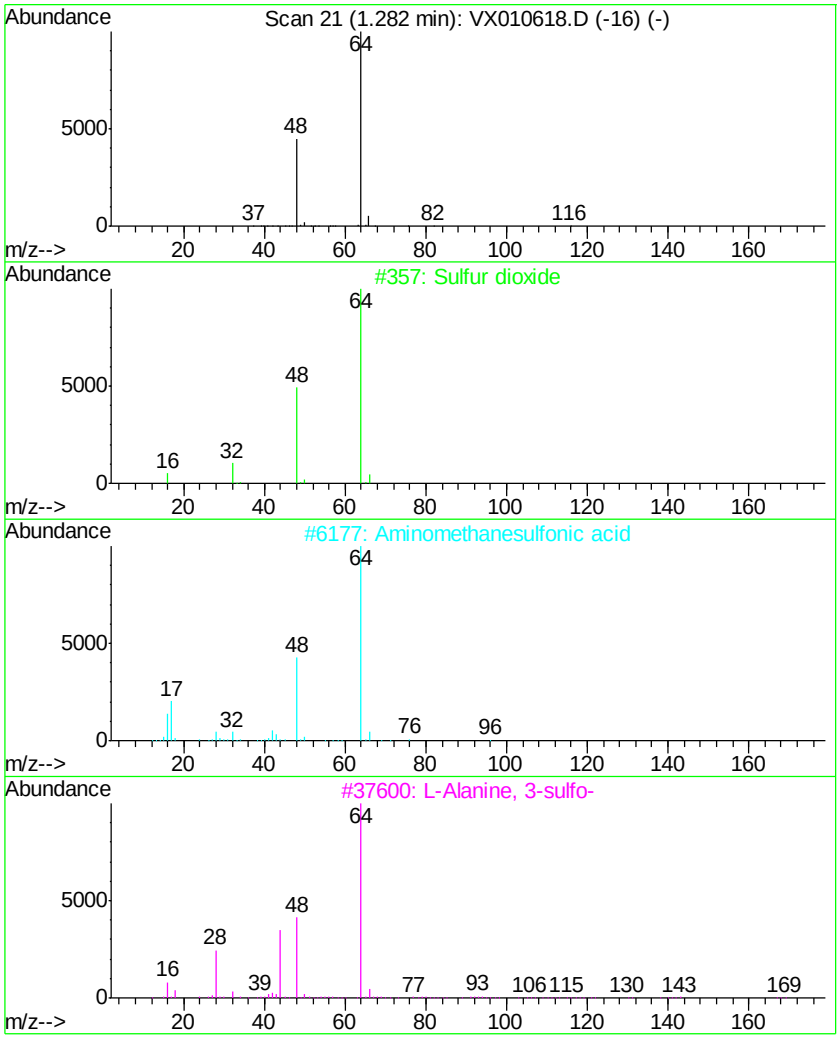
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

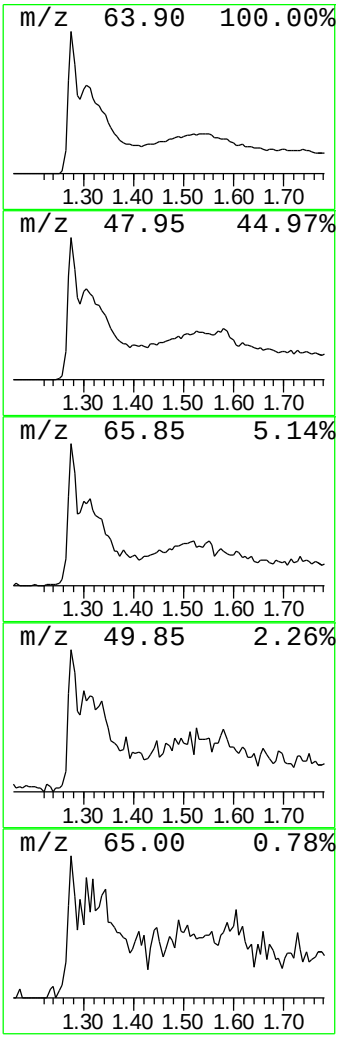
****

Peak Number 1 Sulfur dioxide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.28	16.47 ug/l	215466	Pentafluorobenzene	5.66

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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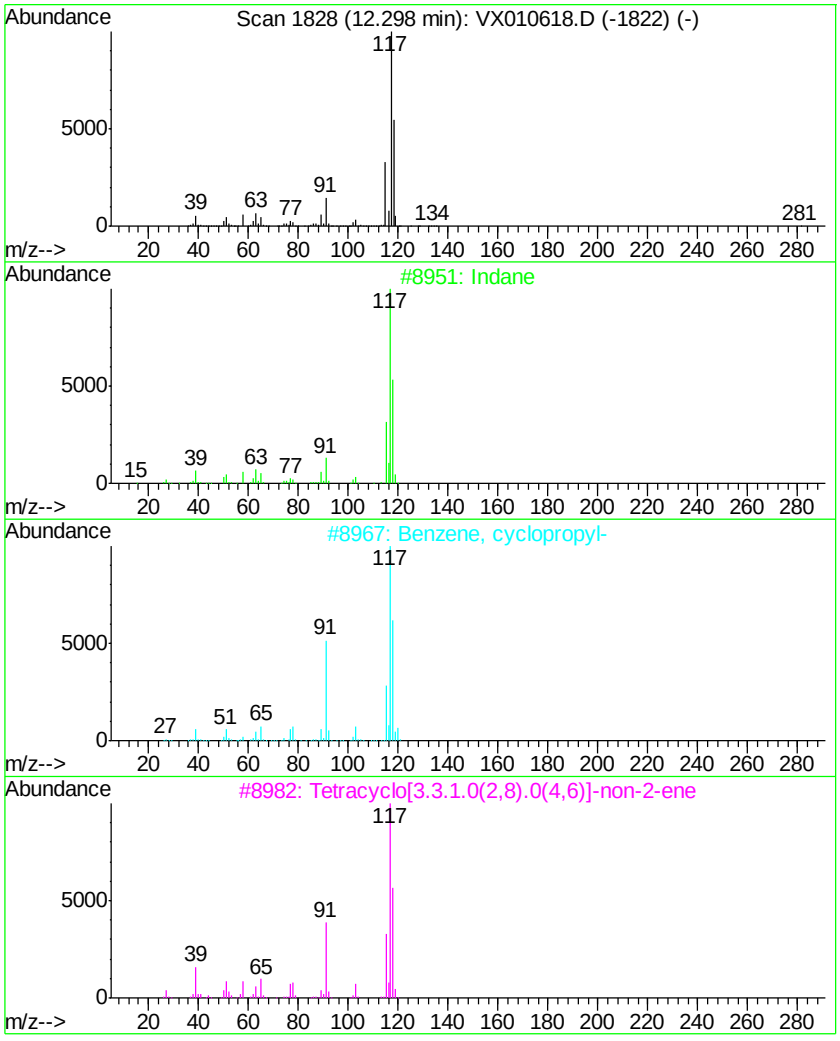
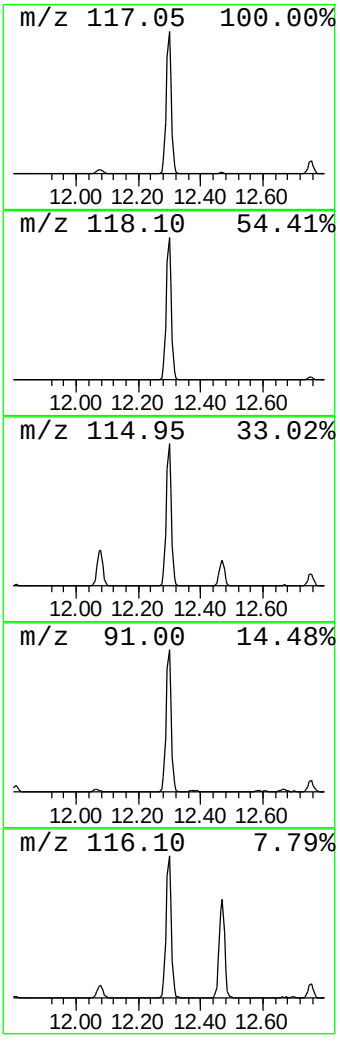
Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	148.27 ug/l	3102010	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	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
4	Deltacyclene	118	C9H10	007785-10-6	72
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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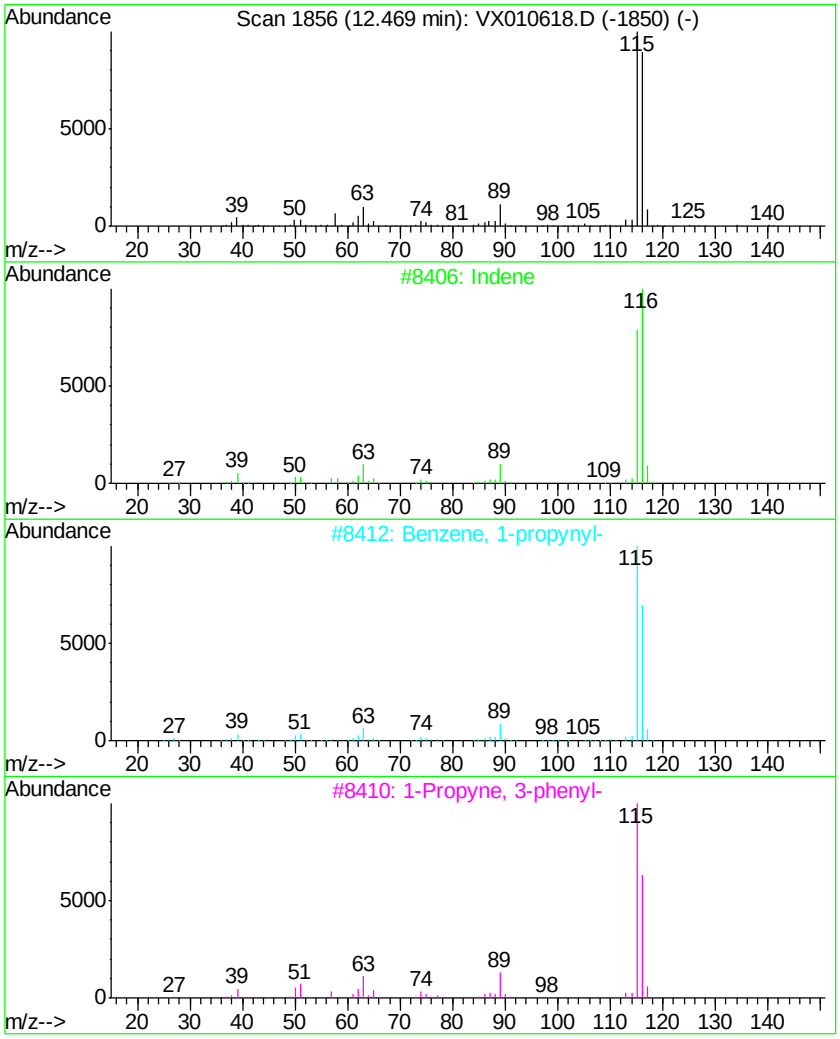
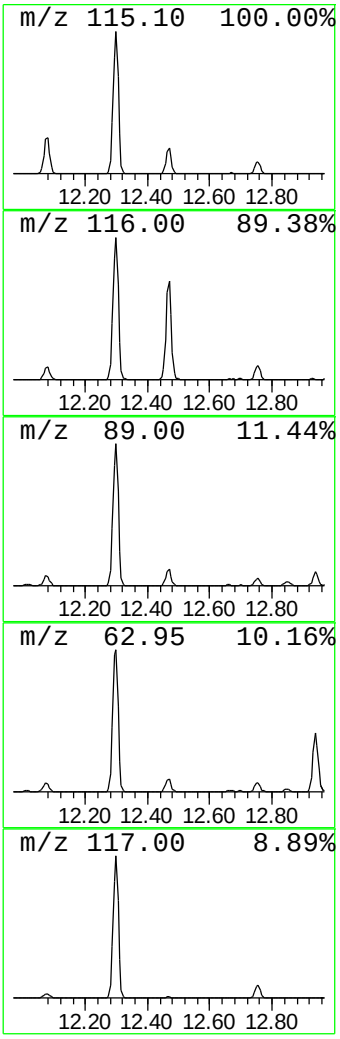
Peak Number 3 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	9.50 ug/l	198791	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	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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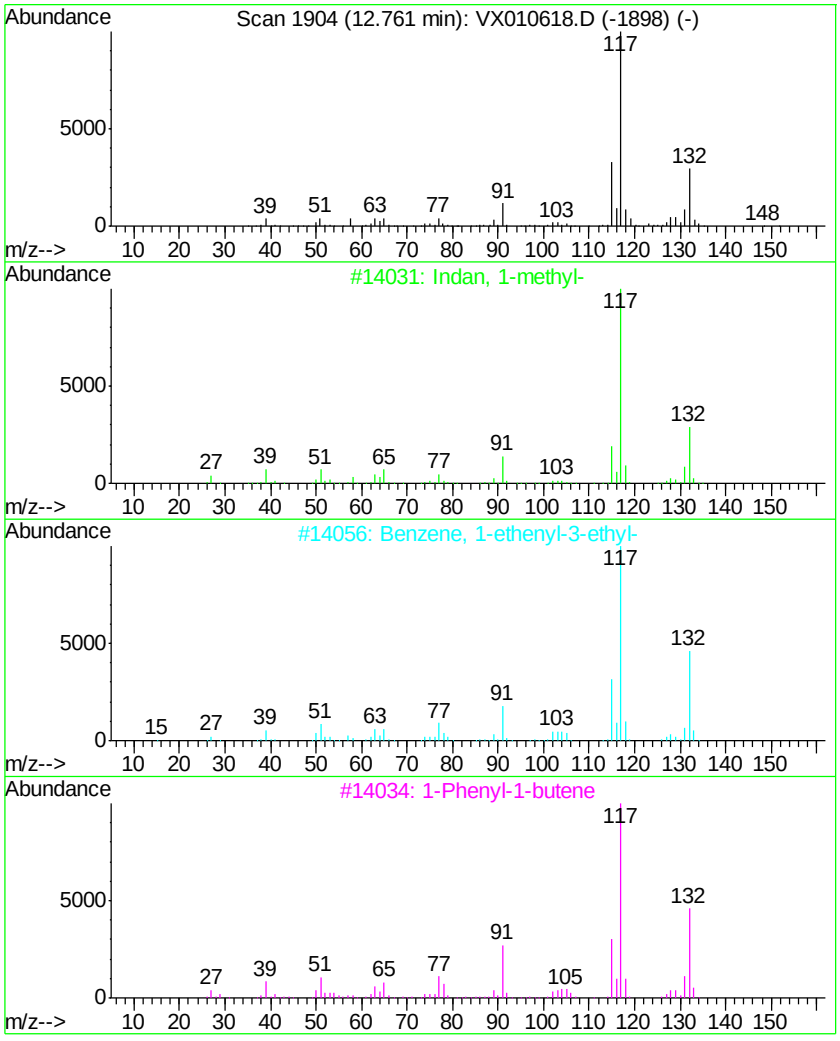
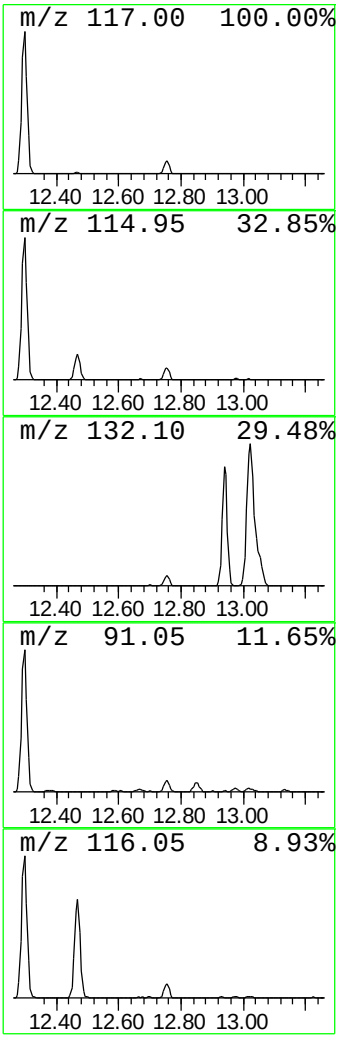
Peak Number 4 Indan, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	13.47 ug/l	281826	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

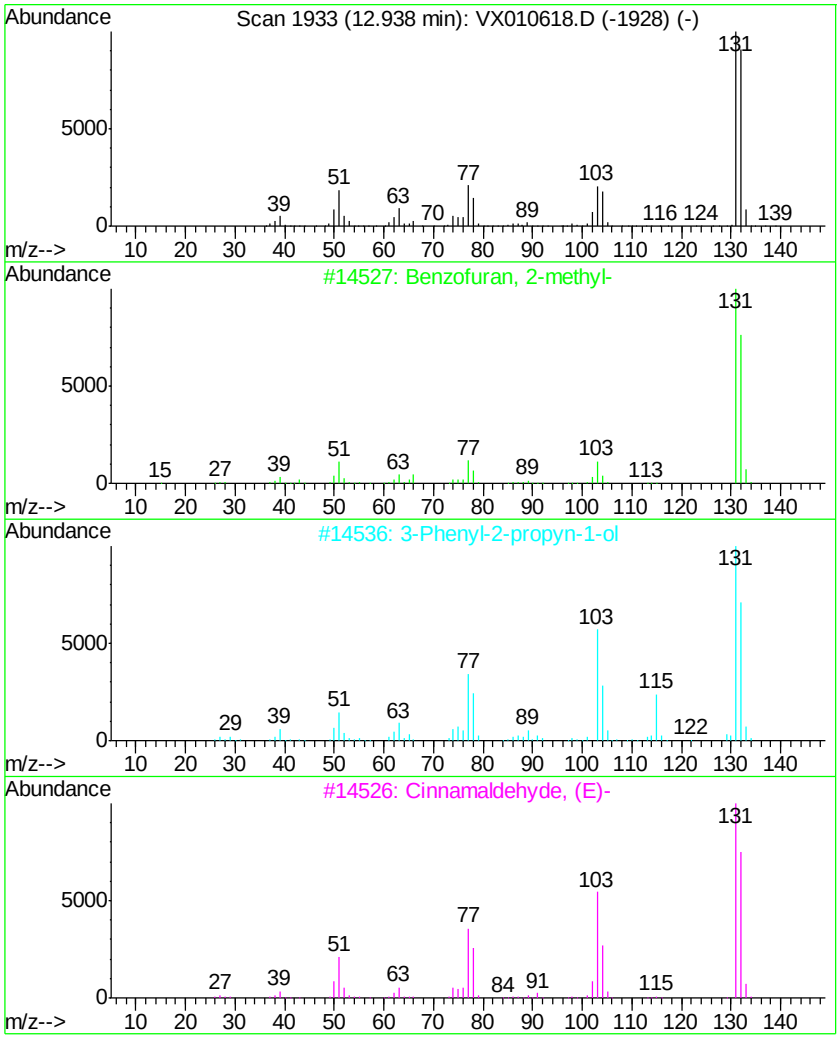
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

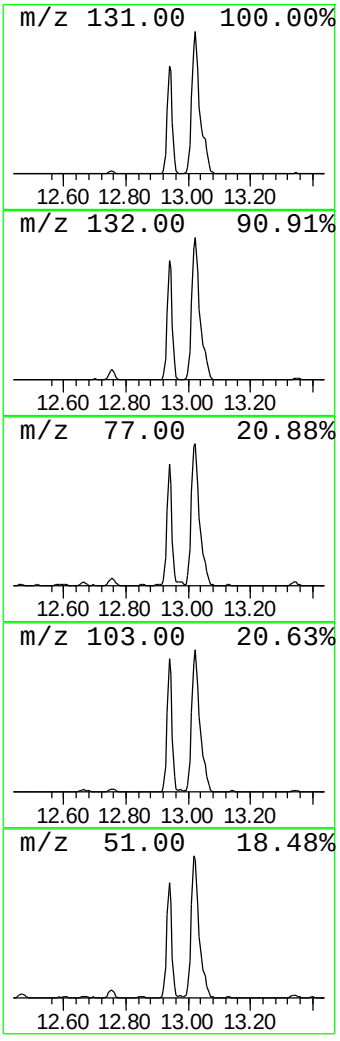
****

Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	60.93 ug/l	1274740	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	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	87
4	1H-Indenol	132	C9H8O	056631-57-3	87
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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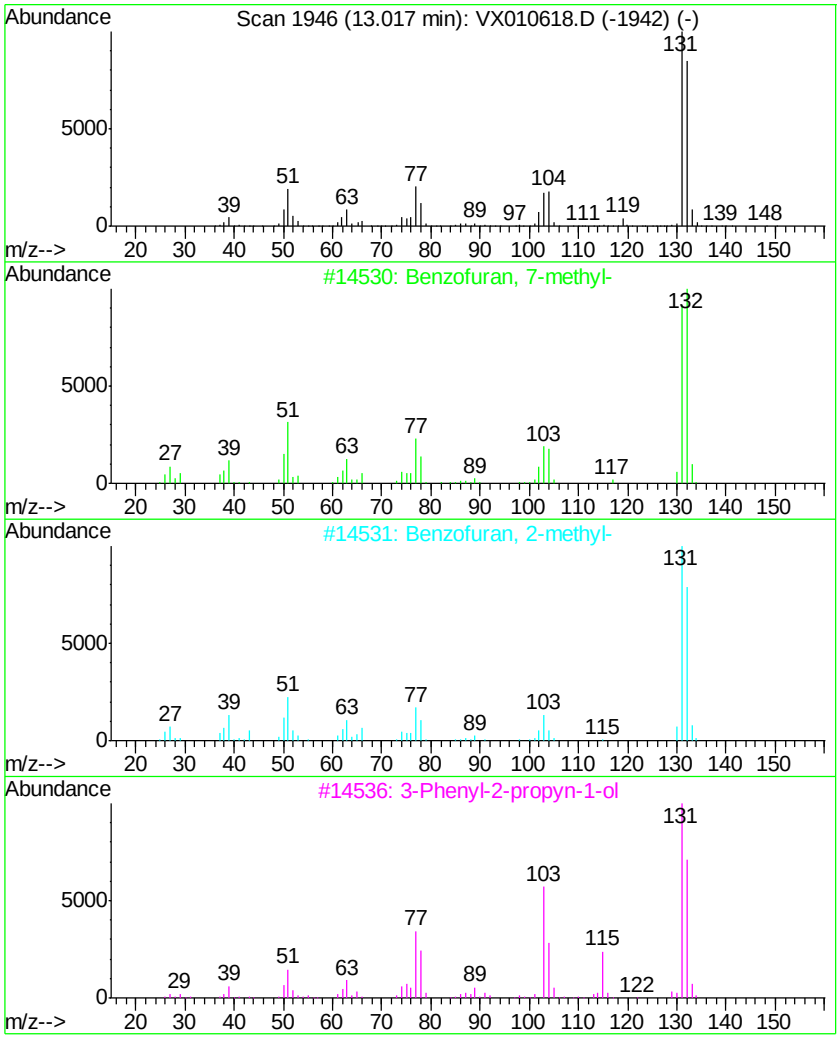
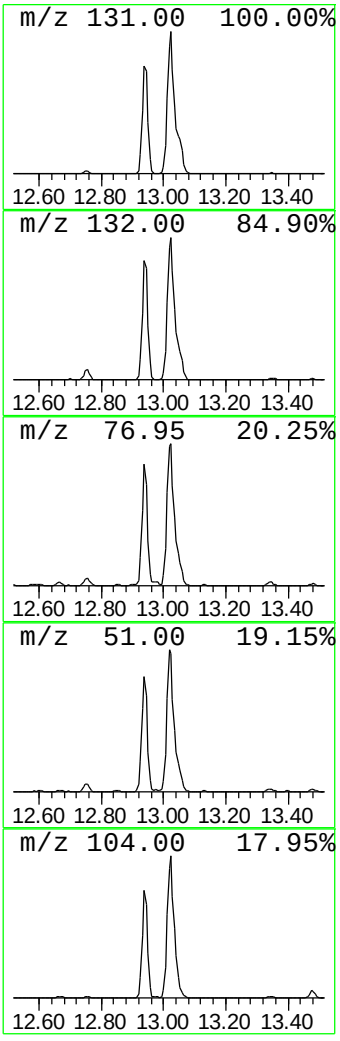
Peak Number 6 Benzofuran, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	112.97 ug/l	2363430	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	91
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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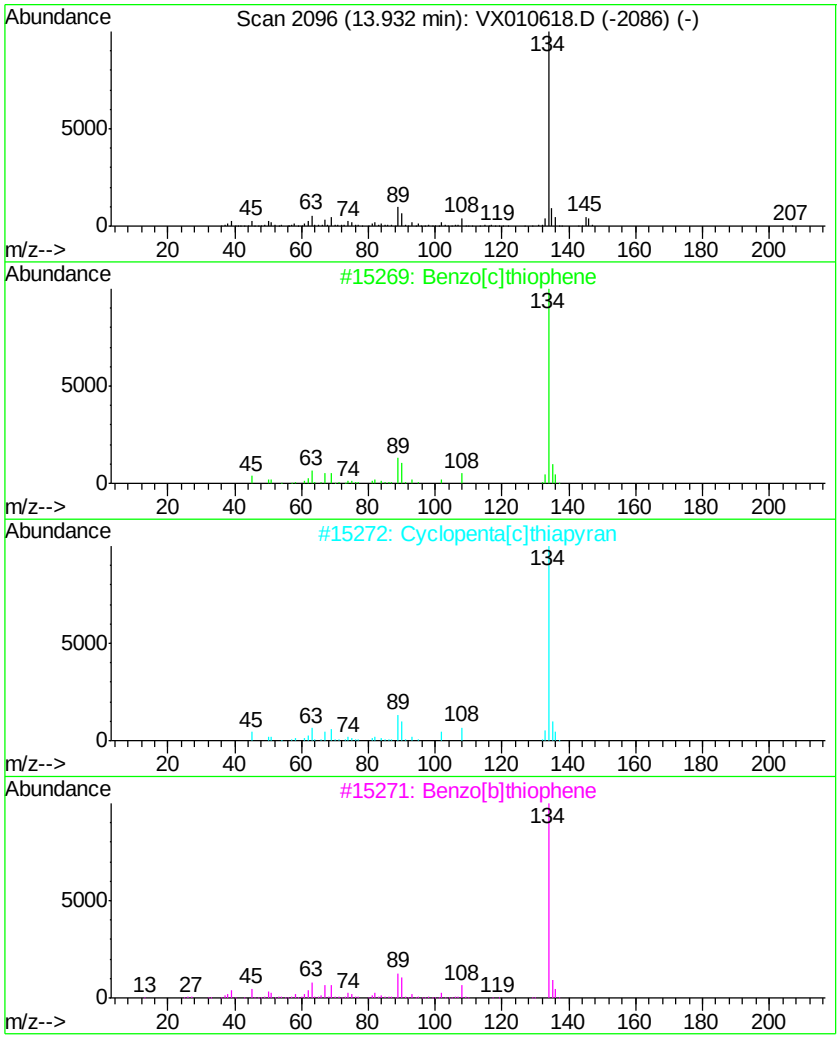
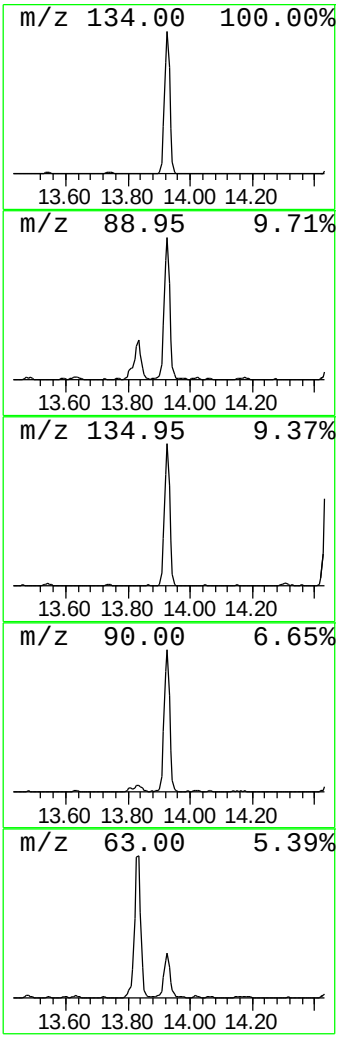
Peak Number 7 Benzo[c]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	49.80 ug/l	1041770	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	91
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\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

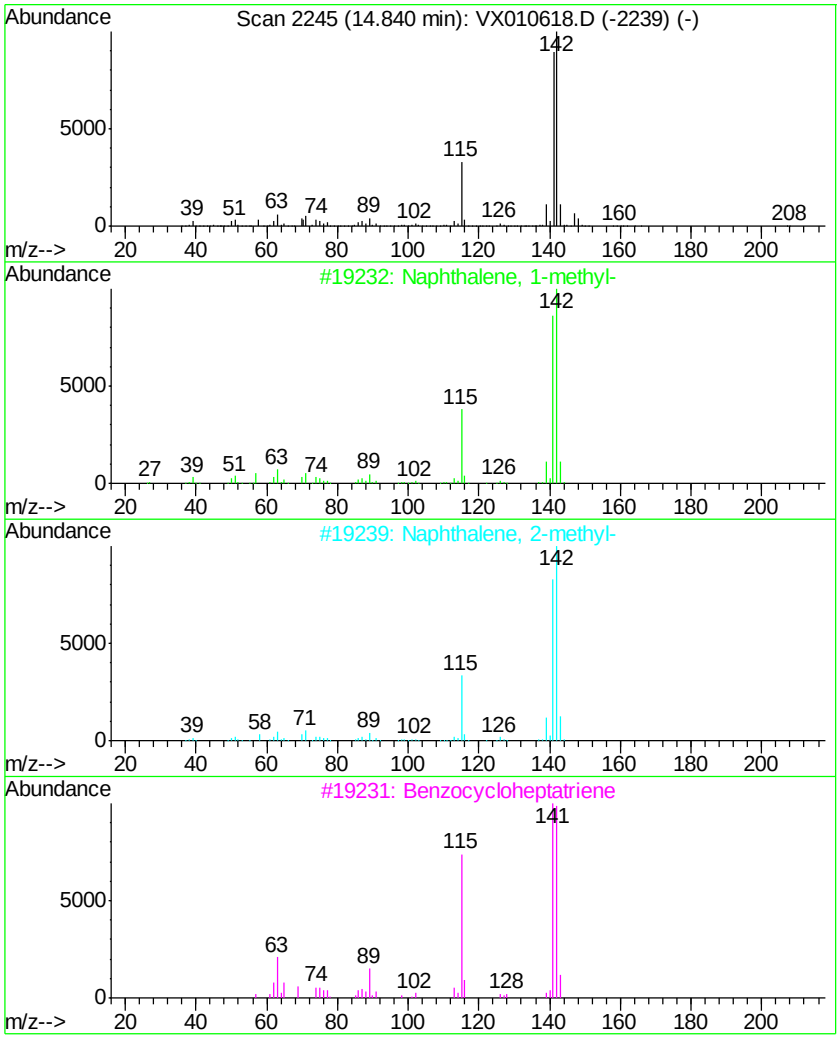
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

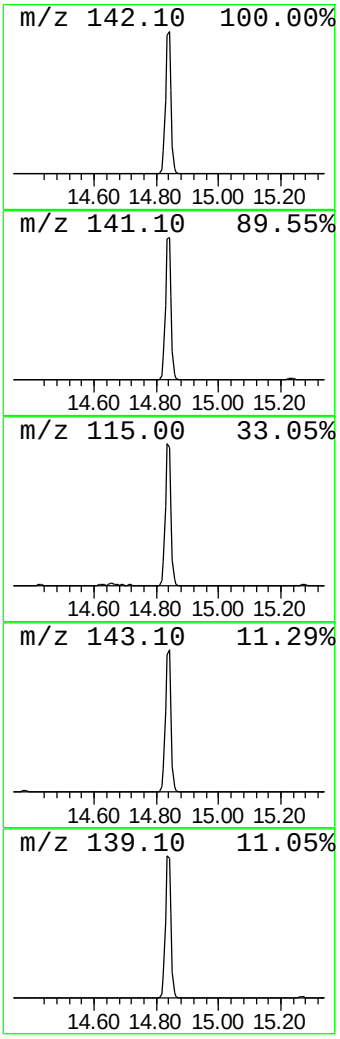
****

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	79.04 ug/l	1653500	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	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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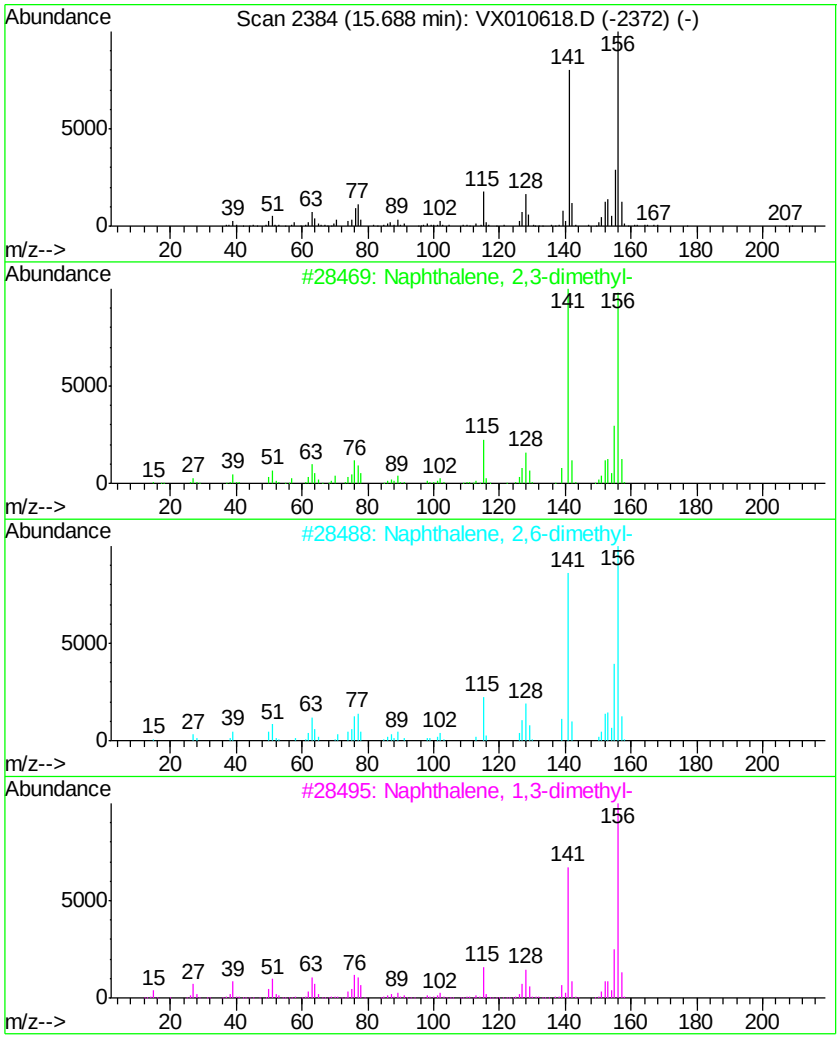
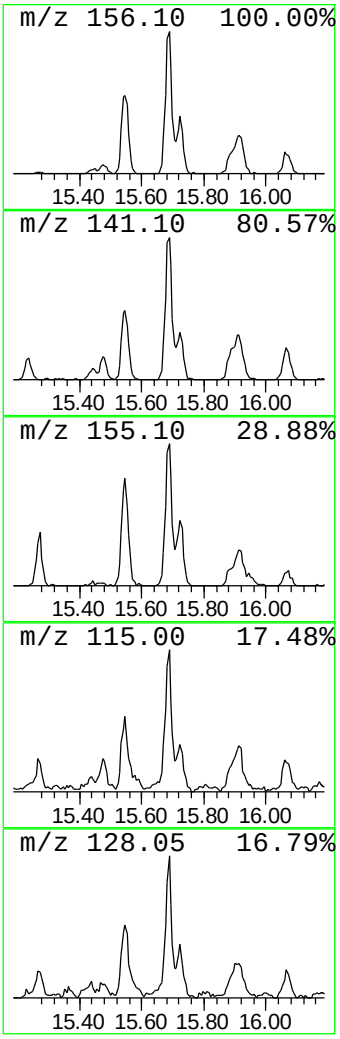
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	9.46 ug/l	197913	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070219\
Data File : VX010618.D
Acq On : 02 Jul 2019 15:37
Operator : JC/SP
Sample : K3605-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : QNWP8-MW27S-GW

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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	1.28	16.5	ug/l	215466	1	5.66	654127	50.0
Indane	12.30	148.3	ug/l	3102010	4	12.08	1046050	50.0
Indene	12.47	9.5	ug/l	198791	4	12.08	1046050	50.0
Indan, 1-methyl-	12.76	13.5	ug/l	281826	4	12.08	1046050	50.0
Benzofuran, 2-met...	12.94	60.9	ug/l	1274740	4	12.08	1046050	50.0
Benzofuran, 7-met...	13.02	113.0	ug/l	2363430	4	12.08	1046050	50.0
Benzo[c]thiophene	13.93	49.8	ug/l	1041770	4	12.08	1046050	50.0
Naphthalene, 1-me...	14.84	79.0	ug/l	1653500	4	12.08	1046050	50.0
Naphthalene, 2,3-...	15.69	9.5	ug/l	197913	4	12.08	1046050	50.0