LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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	2.446	205	212	229	rBV	6328203	10432650	100.00%	14.549%
2	3.202	329	336	346	rVB	87585	211232	2.02%	0.295%
3	5.507	702	714	722	rBV	362262	1021467	9.79%	1.425%
4	5.665	731	740	757	rVB	635908	1774514	17.01%	2.475%
5	6.068	796	806	817	rBV	370618	957623	9.18%	1.336%
6	6.860	926	936	949	rBV	935118	2187683	20.97%	3.051%
7	7.464	1023	1035	1045	rVB2	77176	180230	1.73%	0.251%
8	8.713	1234	1240	1250	rBV	1936414	2960519	28.38%	4.129%
9	10.116	1464	1470	1478	rBV	1818026	2554929	24.49%	3.563%
10	11.018	1613	1618	1626	rBV	230719	285866	2.74%	0.399%
11	11.140	1632	1638	1643	rBV	1538470	2024862	19.41%	2.824%
12	11.359	1669	1674	1683	rVB	143006	184019	1.76%	0.257%
13	11.768	1735	1741	1745	rBV	111198	141178	1.35%	0.197%
14	11.920	1758	1766	1767	rBV	115718	140067	1.34%	0.195%
15	11.945	1767	1770	1777	rVB	270596	339429	3.25%	0.473%
16	12.079	1786	1792	1799	rBV	2007490	2488975	23.86%	3.471%
17	12.231	1813	1817	1823	rBV	263573	325585	3.12%	0.454%
18	12.298	1823	1828	1835	rVV	3708443	4398681	42.16%	6.134%
19	12.365	1835	1839	1849	rVB3	237196	366749	3.52%	0.511%
20	12.463	1849	1855	1859	rBV	487831	624767	5.99%	0.871%
21	12.670	1882	1889	1892	rBV	2349816	2808010	26.92%	3.916%
22	12.701	1892	1894	1898	rVV	834725	916006	8.78%	1.277%
23	12.755	1898	1903	1910	rVV2	2423611	3812428	36.54%	5.317%
24	12.896	1919	1926	1931	rVB	354494	489954	4.70%	0.683%
25	12.975	1931	1939	1944	rBV	1925716	2484923	23.82%	3.465%
26	13.085	1952	1957	1964	rVB2	166252	269452	2.58%	0.376%
27	13.152	1964	1968	1971	rBV	196612	249032	2.39%	0.347%
28	13.194	1971	1975	1977	rVV	331314	405187	3.88%	0.565%
29	13.225	1977	1980	1989	rVB	878927	1146309	10.99%	1.599%
30	13.347	1989	2000	2007	rBV2	6551616	9318003	89.32%	12.995%
31	13.408	2007	2010	2011	rVV2	104614	133061	1.28%	0.186%
32	13.426	2011	2013	2019	rVV2	146809	186446	1.79%	0.260%
33	13.481	2019	2022	2028	rVB	127578	161262	1.55%	0.225%
34	13.566	2028	2036	2038	rBV2	208172	284036	2.72%	0.396%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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	13.603	2038	2042	2045	rVV	369250	519704	4.98%	0.725%
36	13.639	2045	2048	2052	rVV2	646695	917015	8.79%	1.279%
37	13.700	2052	2058	2059	rVV2	465979	757153	7.26%	1.056%
38	13.719	2059	2061	2071	rVB3	708865	1242920	11.91%	1.733%
39	13.810	2071	2076	2079	rBV	130058	158851	1.52%	0.222%
40	13.853	2079	2083	2088	rVB	294739	334202	3.20%	0.466%
41	13.914	2088	2093	2097	rVB	477667	596898	5.72%	0.832%
42	13.987	2097	2105	2109	rBV2	786874	1090018	10.45%	1.520%
43	14.030	2109	2112	2116	rVB	242928	286465	2.75%	0.400%
44	14.133	2124	2129	2132	rBV	255464	333049	3.19%	0.464%
45	14.164	2132	2134	2140	rVB2	203859	217390	2.08%	0.303%
46	14.286	2147	2154	2162	rVB	1166981	2057322	19.72%	2.869%
47	14.377	2165	2169	2174	rVV	213704	261234	2.50%	0.364%
48	14.432	2174	2178	2183	rVV2	356276	454439	4.36%	0.634%
49	14.542	2191	2196	2201	rBV2	1100019	1455195	13.95%	2.029%
50	14.676	2213	2218	2223	rBV3	114795	203871	1.95%	0.284%
51	14.731	2223	2227	2232	rVV2	151815	206375	1.98%	0.288%
52	14.853	2241	2247	2250	rBV	155939	278399	2.67%	0.388%
53	14.975	2260	2267	2273	rVB4	48627	119121	1.14%	0.166%
54	15.249	2306	2312	2320	rBV	127267	227035	2.18%	0.317%
55	15.444	2339	2344	2347	rBV	180971	259064	2.48%	0.361%
56	15.481	2347	2350	2355	rVB	130143	178635	1.71%	0.249%
57	15.548	2355	2361	2367	rBV	448126	731794	7.01%	1.021%
58	15.688	2375	2384	2397	rVB	894115	1553345	14.89%	2.166%
59	15.919	2410	2422	2441	rVB	237275	656360	6.29%	0.915%
60	16.072	2441	2447	2458	rVB	125062	211930	2.03%	0.296%
61	16.419	2496	2504	2512	rVB3	65026	132158	1.27%	0.184%

Sum of corrected areas: 71705076

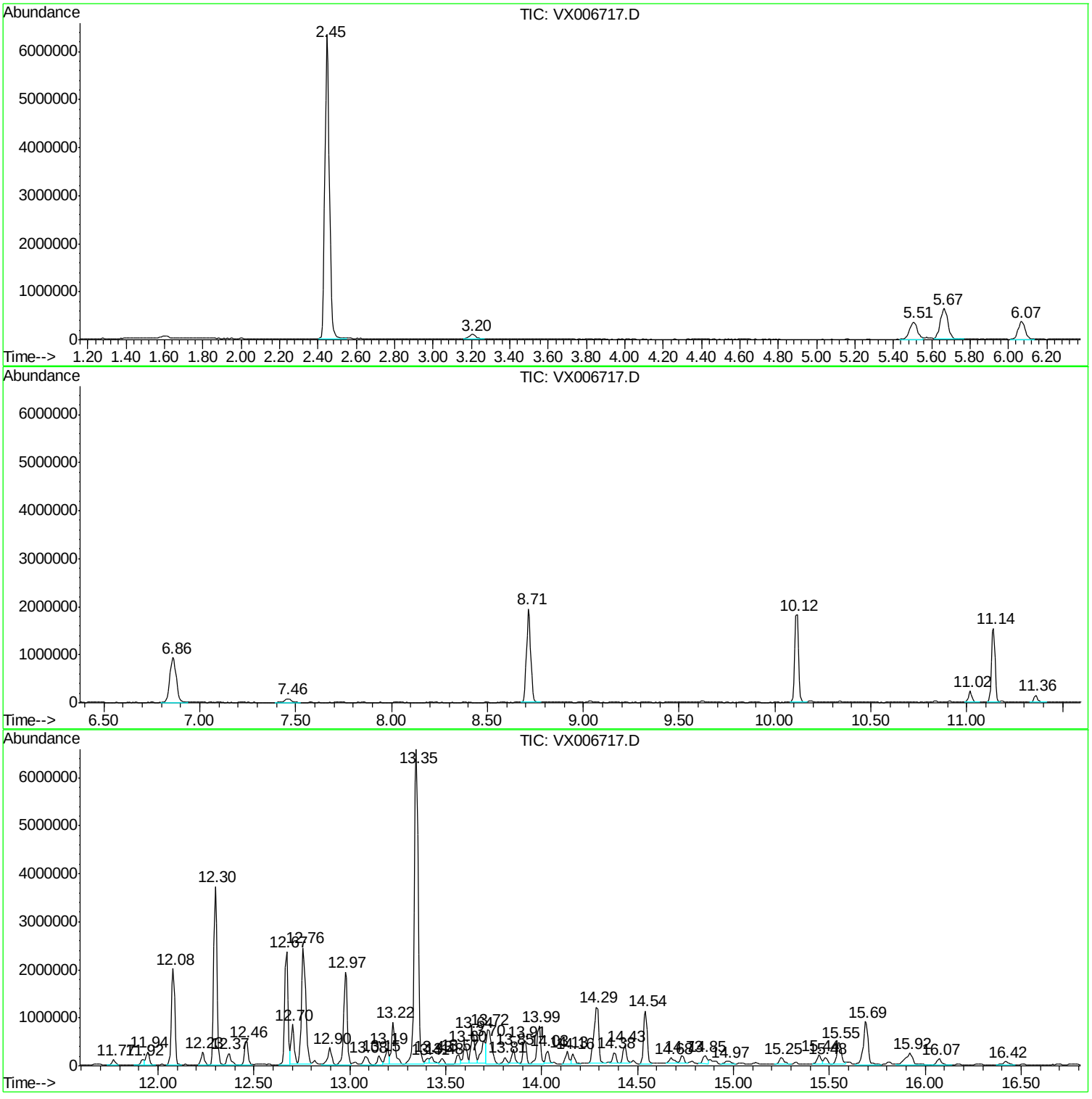
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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 : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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

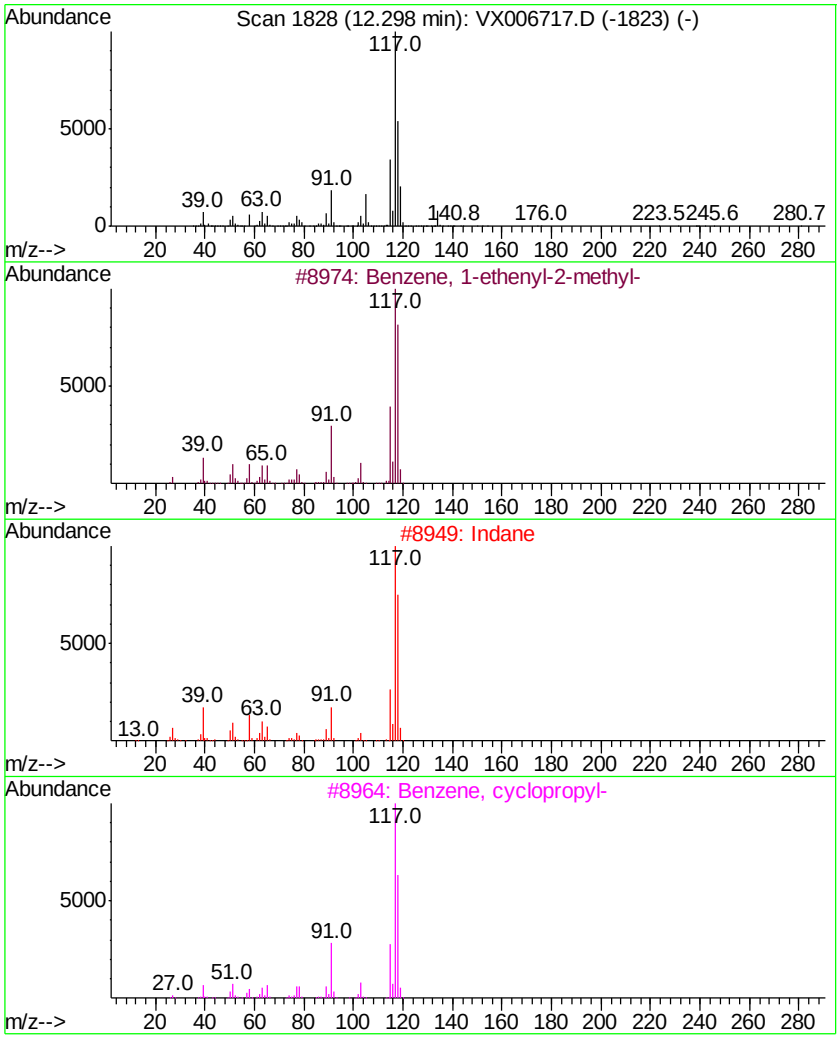
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

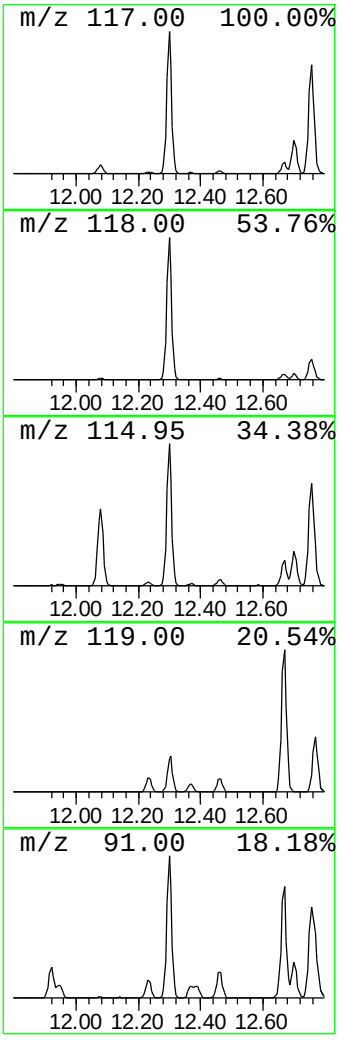
****

Peak Number 1 Benzene, 1-ethenyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	88.36 ug/l	4398680	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5	Deltacyclene	118	C9H10	007785-10-6	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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

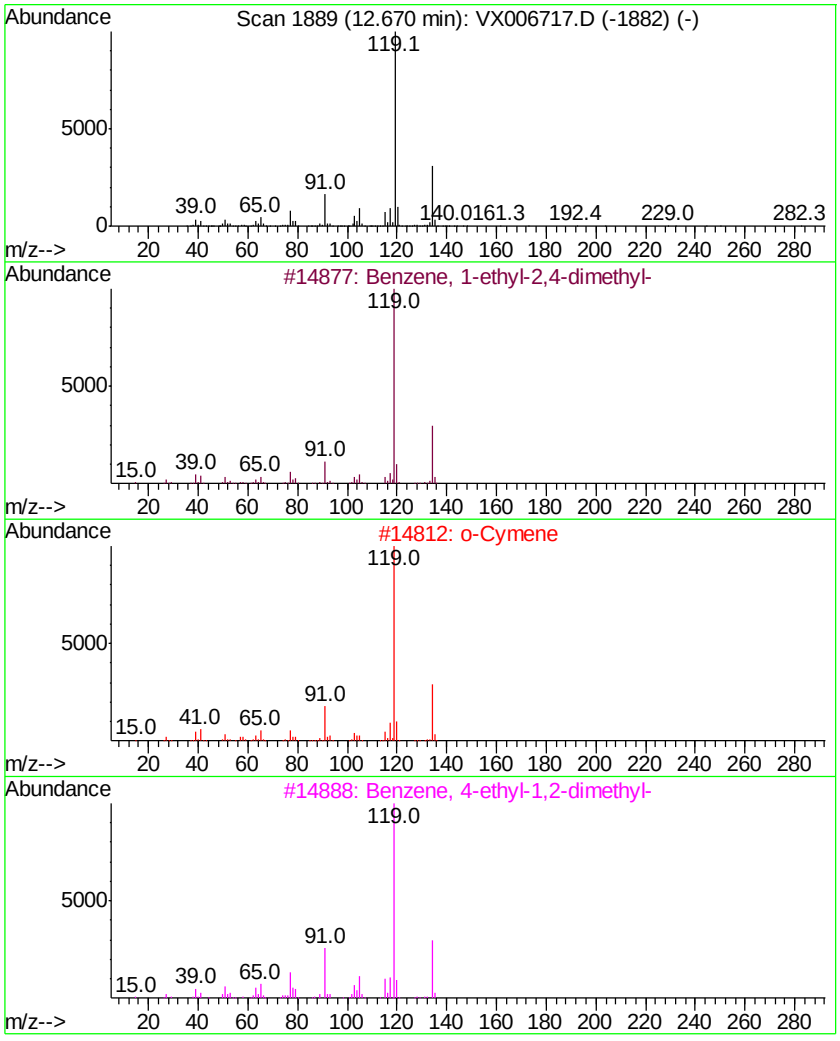
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

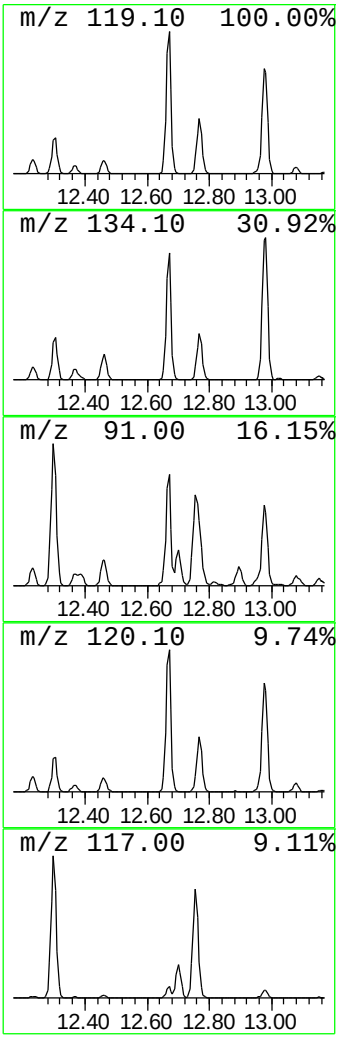
****

Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	56.41 ug/l	2808010	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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

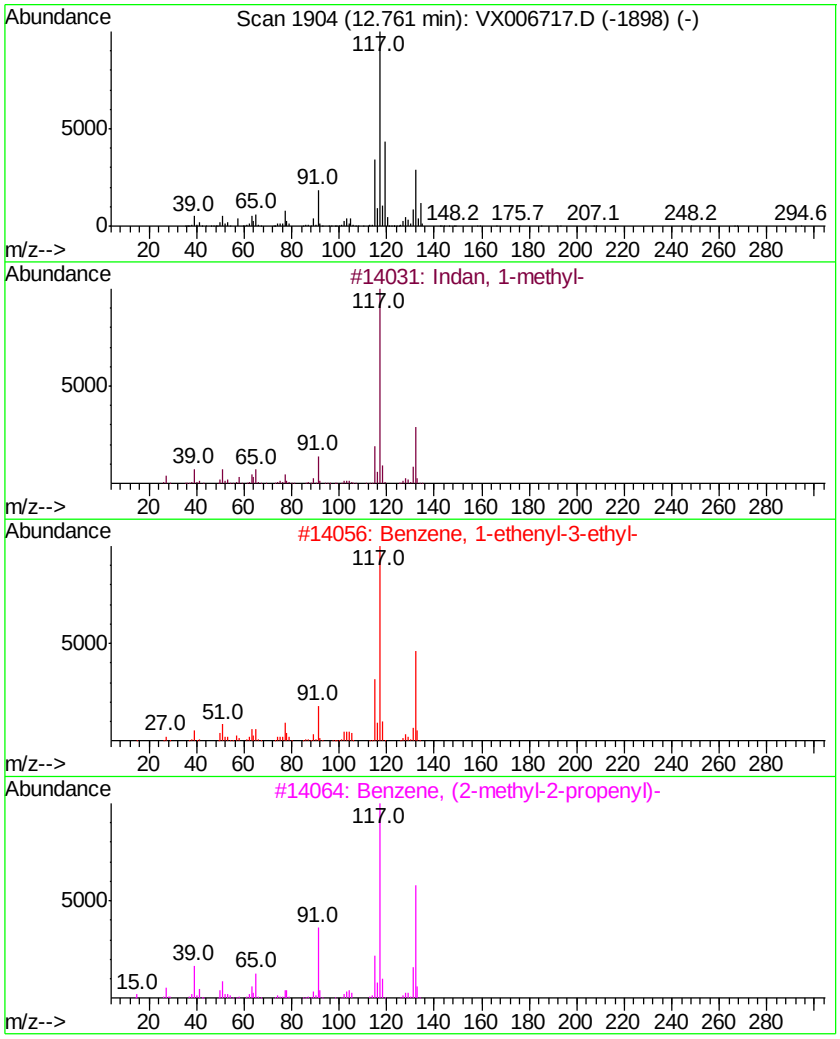
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

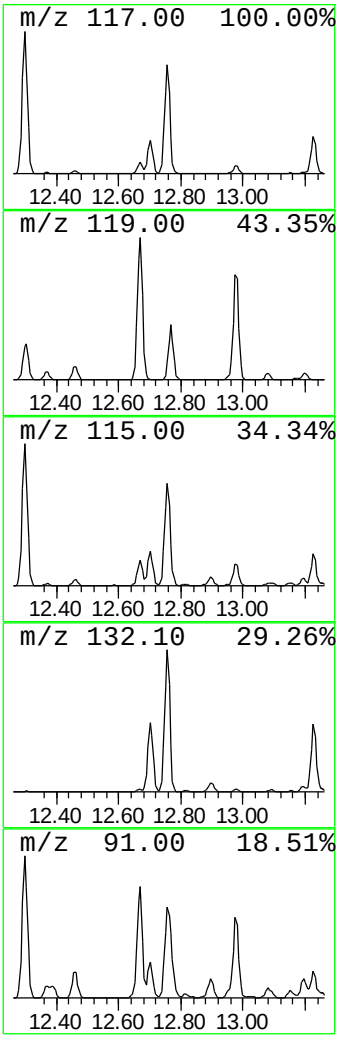
****

Peak Number 3 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	76.59 ug/l	3812430	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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

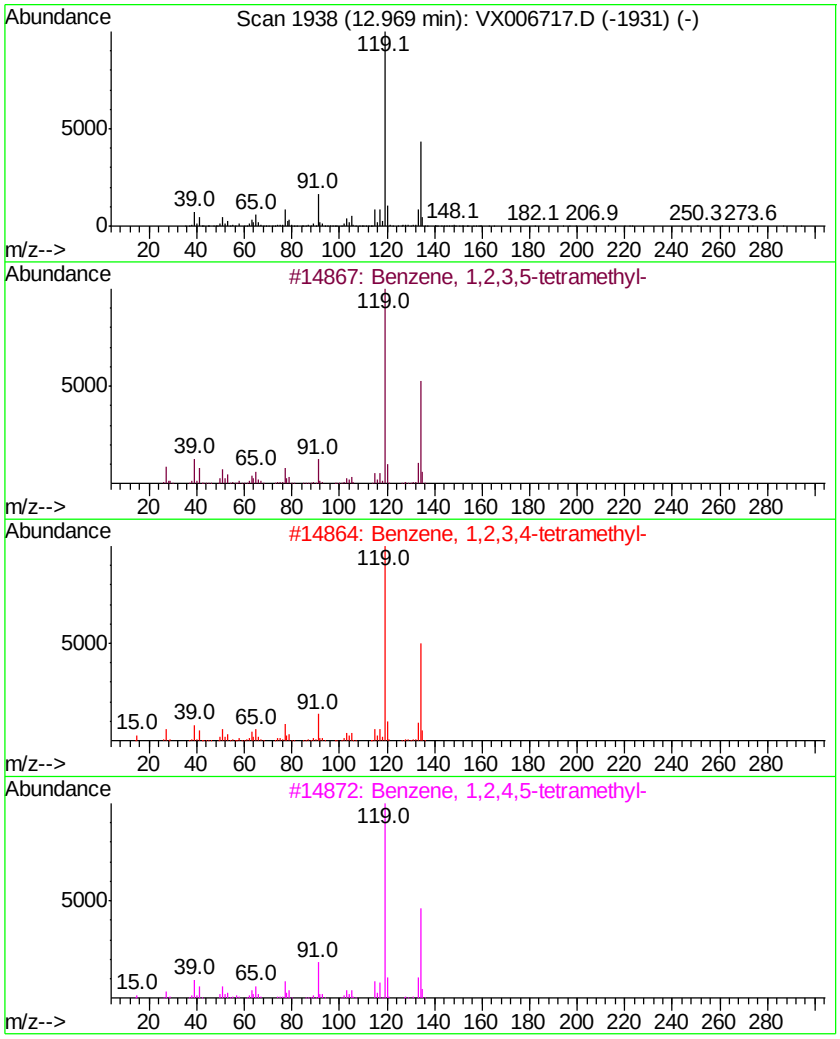
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

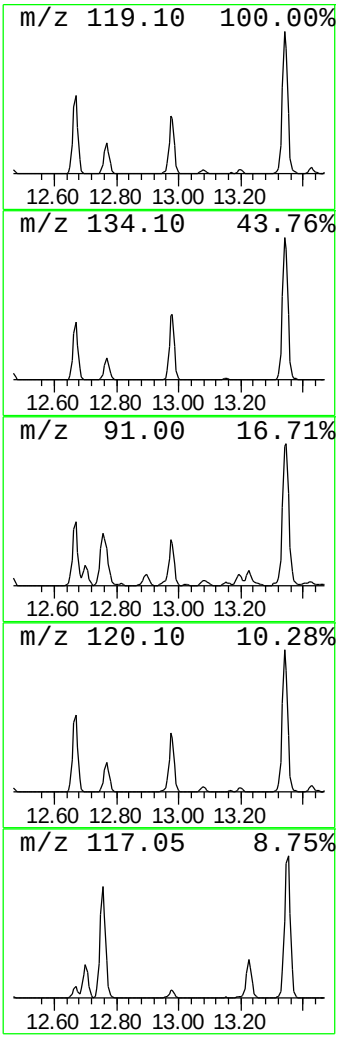
****

Peak Number 4 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	49.92 ug/l	2484920	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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

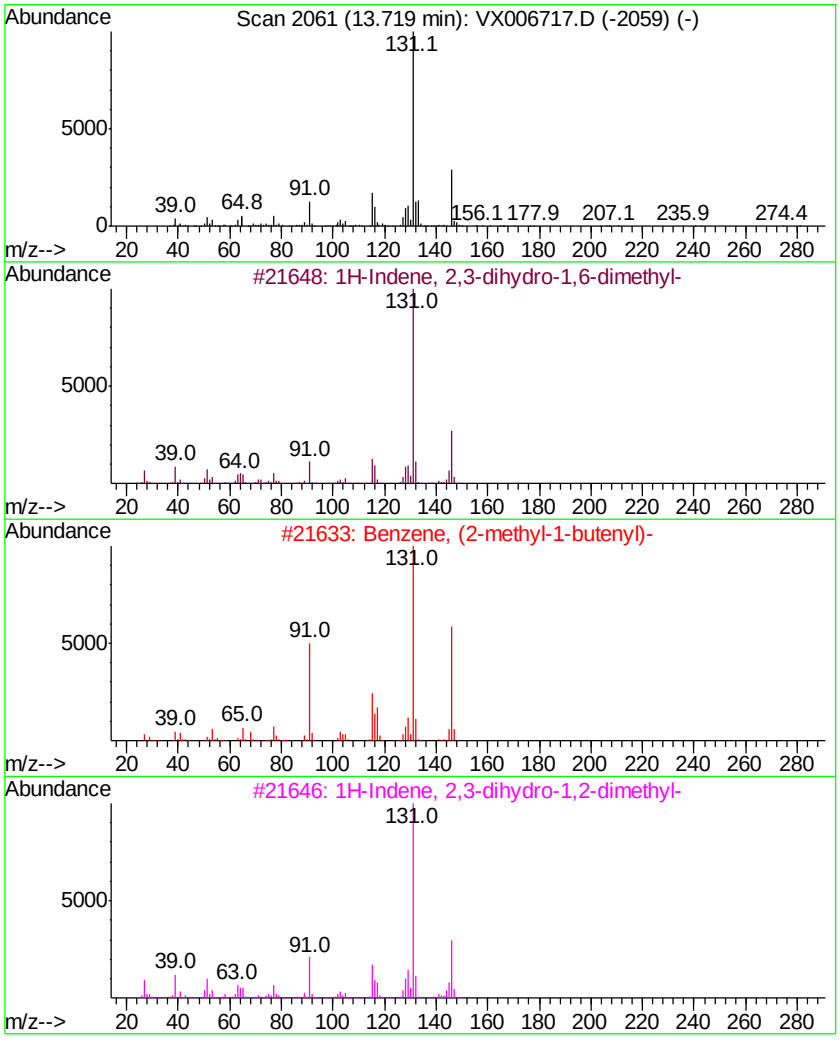
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

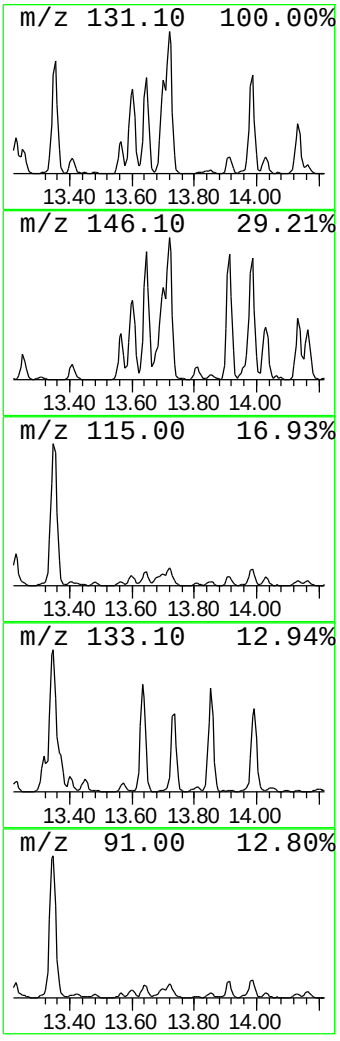
****

Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	24.97 ug/l	1242920	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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

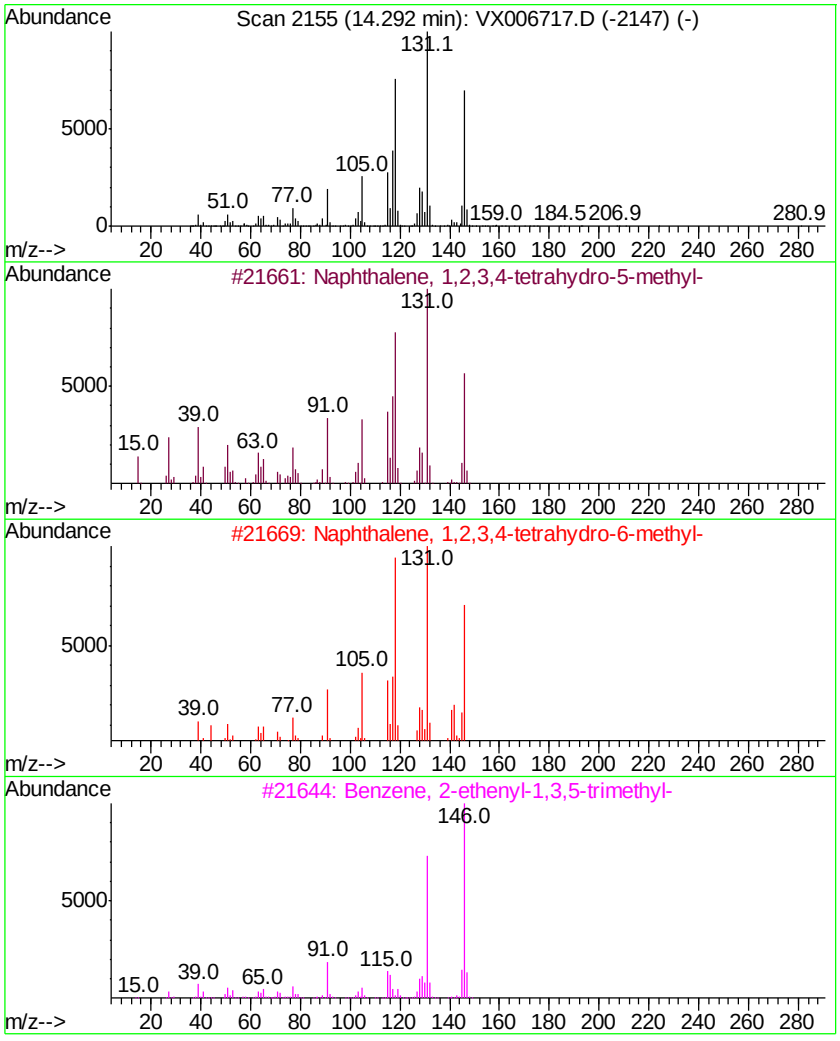
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

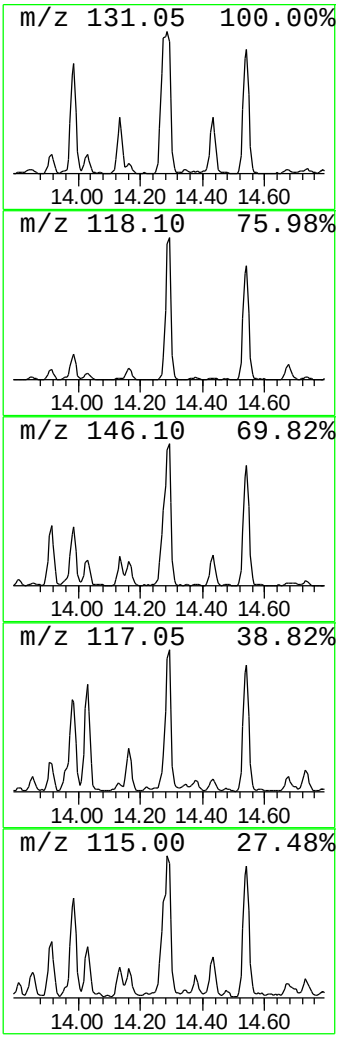
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	41.33 ug/l	2057320	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	76
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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

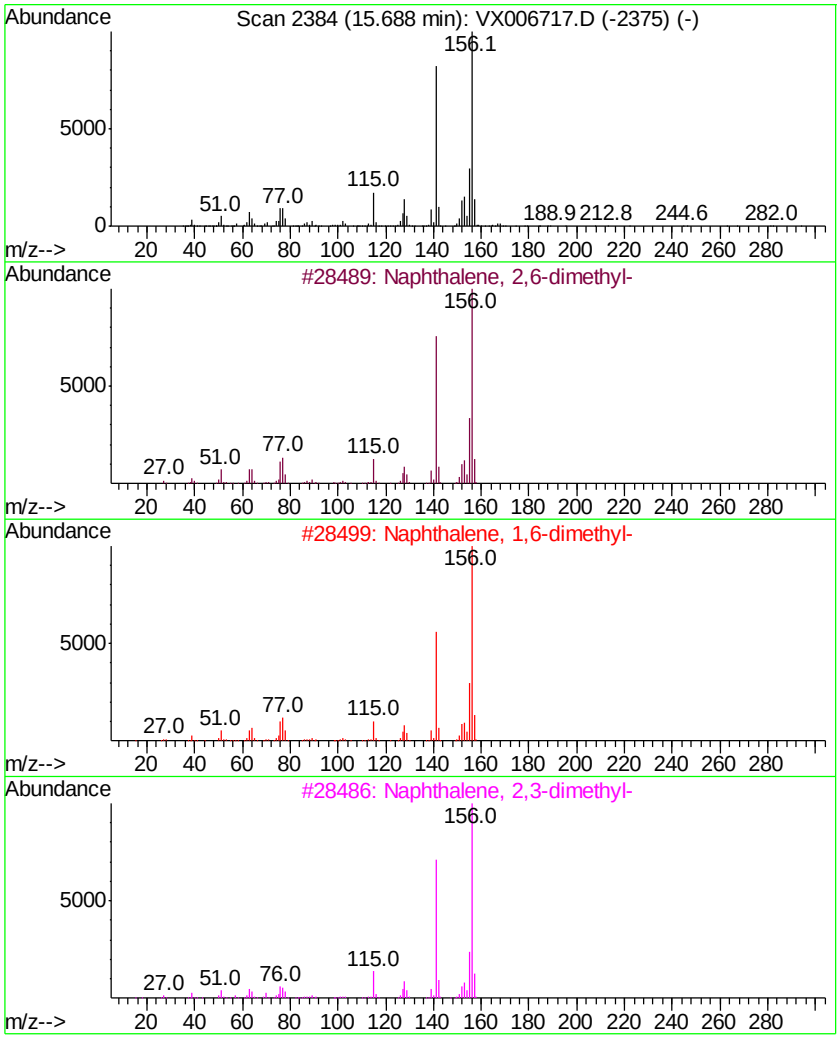
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

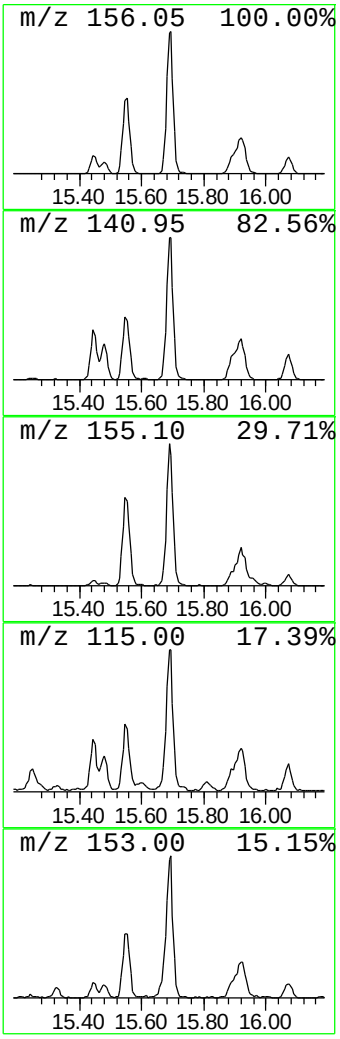
****

Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	31.20 ug/l	1553350	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
Data File : VX006717.D
Acq On : 21 Dec 2018 12:22
Operator : JC/MD
Sample : J6519-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : DUP-122018-02

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
Benzene, 1-etheny...	12.30	88.4	ug/l	4398680	4	12.08	2488980	50.0
Benzene, 1-ethyl-...	12.67	56.4	ug/l	2808010	4	12.08	2488980	50.0
Indan, 1-methyl-	12.76	76.6	ug/l	3812430	4	12.08	2488980	50.0
Benzene, 1,2,3,5-...	12.97	49.9	ug/l	2484920	4	12.08	2488980	50.0
1H-Indene, 2,3-di...	13.72	25.0	ug/l	1242920	4	12.08	2488980	50.0
Naphthalene, 1,2,...	14.29	41.3	ug/l	2057320	4	12.08	2488980	50.0
Naphthalene, 2,6-...	15.69	31.2	ug/l	1553350	4	12.08	2488980	50.0