LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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	1.318	18	27	33	rBV	89221	340429	5.14%	0.604%
2	2.446	207	212	221	rVB	43300	71947	1.09%	0.128%
3	2.623	235	241	253	rVB	100489	190188	2.87%	0.337%
4	3.202	330	336	347	rVB	40062	99438	1.50%	0.176%
5	5.501	701	713	729	rBV2	190632	571184	8.62%	1.013%
6	5.665	729	740	758	rVV2	236821	696498	10.51%	1.235%
7	6.068	794	806	816	rBV2	202271	550880	8.31%	0.977%
8	6.860	926	936	963	rBV	367093	902237	13.61%	1.600%
9	8.720	1234	1241	1248	rBV	825388	1386532	20.92%	2.459%
10	8.787	1248	1252	1266	rVB	116032	216325	3.26%	0.384%
11	10.116	1462	1470	1479	rBV	747124	1090686	16.46%	1.934%
12	10.360	1502	1510	1517	rBV	126779	192983	2.91%	0.342%
13	10.701	1561	1566	1579	rVB	89873	134794	2.03%	0.239%
14	11.018	1613	1618	1627	rBV	161426	224134	3.38%	0.397%
15	11.140	1632	1638	1652	rVB	780733	1057286	15.95%	1.875%
16	11.359	1668	1674	1682	rBV	296638	395311	5.96%	0.701%
17	11.457	1687	1690	1694	rVV	53547	78810	1.19%	0.140%
18	11.506	1694	1698	1707	rVB	52866	78730	1.19%	0.140%
19	11.670	1719	1725	1733	rBV	61141	90667	1.37%	0.161%
20	11.810	1744	1748	1758	rVB	248960	332804	5.02%	0.590%
21	11.920	1758	1766	1767	rBV	52700	66940	1.01%	0.119%
22	11.945	1767	1770	1776	rVB	151654	195585	2.95%	0.347%
23	12.079	1786	1792	1799	rBV	1012772	1294870	19.54%	2.296%
24	12.146	1799	1803	1807	rVB	148350	181689	2.74%	0.322%
25	12.231	1813	1817	1821	rBV	52660	67890	1.02%	0.120%
26	12.298	1821	1828	1835	rVV	723464	978994	14.77%	1.736%
27	12.371	1835	1840	1850	rVB2	170395	340291	5.13%	0.603%
28	12.463	1850	1855	1860	rBV2	137271	182839	2.76%	0.324%
29	12.670	1882	1889	1892	rVV	696740	855023	12.90%	1.516%
30	12.701	1892	1894	1899	rVV	208504	241436	3.64%	0.428%
31	12.755	1899	1903	1911	rVV2	546173	905546	13.66%	1.606%
32	12.896	1920	1926	1931	rVB3	133676	220153	3.32%	0.390%
33	12.981	1931	1940	1943	rBV	551590	772697	11.66%	1.370%
34	13.018	1943	1946	1952	rVB2	143989	198217	2.99%	0.352%

LSC Area Percent Report

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Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

35	13.079	1952	1956	1963	rVB3	105650	164375	2.48%	0.292%
36	13.152	1963	1968	1972	rBV2	102198	148181	2.24%	0.263%
37	13.194	1972	1975	1977	rBV2	151999	162654	2.45%	0.288%
38	13.225	1977	1980	1984	rVB	279679	297902	4.49%	0.528%
39	13.347	1995	2000	2006	rVB2	1790051	2498379	37.69%	4.431%
40	13.426	2011	2013	2018	rVV2	101322	127376	1.92%	0.226%
41	13.481	2018	2022	2030	rVB	338395	444005	6.70%	0.787%
42	13.566	2031	2036	2038	rBV2	127704	172742	2.61%	0.306%
43	13.603	2038	2042	2045	rVV	196826	279641	4.22%	0.496%
44	13.639	2045	2048	2052	rVV2	386932	555914	8.39%	0.986%
45	13.700	2052	2058	2059	rVV2	214910	370187	5.59%	0.656%
46	13.725	2059	2062	2070	rVB2	368401	571651	8.62%	1.014%
47	13.835	2070	2080	2088	rBV	5224209	6627960	100.00%	11.754%
48	13.914	2088	2093	2098	rBV2	291659	418664	6.32%	0.742%
49	13.987	2098	2105	2109	rVV2	376302	556012	8.39%	0.986%
50	14.030	2109	2112	2116	rVV	148968	195063	2.94%	0.346%
51	14.133	2124	2129	2132	rBV2	190925	252156	3.80%	0.447%
52	14.164	2132	2134	2138	rVB2	67872	70629	1.07%	0.125%
53	14.286	2146	2154	2162	rVB2	672007	1223151	18.45%	2.169%
54	14.377	2165	2169	2174	rVV	174684	228340	3.45%	0.405%
55	14.432	2174	2178	2182	rVB	266355	331078	5.00%	0.587%
56	14.475	2182	2185	2190	rVB	82723	105540	1.59%	0.187%
57	14.542	2190	2196	2201	rBV2	577019	775773	11.70%	1.376%
58	14.700	2209	2222	2226	rBV	4763636	6425950	96.95%	11.396%
59	14.731	2226	2227	2232	rVV2	216627	184398	2.78%	0.327%
60	14.786	2232	2236	2239	rVV2	99750	125937	1.90%	0.223%
61	14.840	2240	2245	2250	rVV	5306999	6611053	99.74%	11.724%
62	14.907	2254	2256	2260	rVV2	76007	84771	1.28%	0.150%
63	14.962	2260	2265	2273	rVV4	50897	136642	2.06%	0.242%
64	15.249	2307	2312	2314	rBV2	153942	241502	3.64%	0.428%
65	15.273	2314	2316	2320	rVV	178476	202594	3.06%	0.359%
66	15.322	2320	2324	2331	rVB4	51278	85109	1.28%	0.151%
67	15.444	2337	2344	2347	rBV	431598	607252	9.16%	1.077%
68	15.481	2347	2350	2354	rVB	181871	242699	3.66%	0.430%
69	15.548	2354	2361	2367	rBV	1131914	1802725	27.20%	3.197%
70	15.688	2375	2384	2388	rBV	1626317	2639745	39.83%	4.681%
71	15.724	2388	2390	2398	rVB	962624	1299671	19.61%	2.305%

LSC Area Percent Report

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Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

72	15.810	2398	2404	2411	rBV3	64353	130777	1.97%	0.232%
73	15.919	2411	2422	2432	rVB	459344	1222506	18.44%	2.168%
74	16.072	2440	2447	2458	rVV	378221	638281	9.63%	1.132%
75	16.169	2458	2463	2471	rVV2	56890	99735	1.50%	0.177%
76	16.285	2472	2482	2488	rVB2	65295	140951	2.13%	0.250%
77	16.419	2495	2504	2515	rBV	803138	1536032	23.18%	2.724%
78	16.694	2544	2549	2554	rVB2	78054	149400	2.25%	0.265%

Sum of corrected areas: 56389136

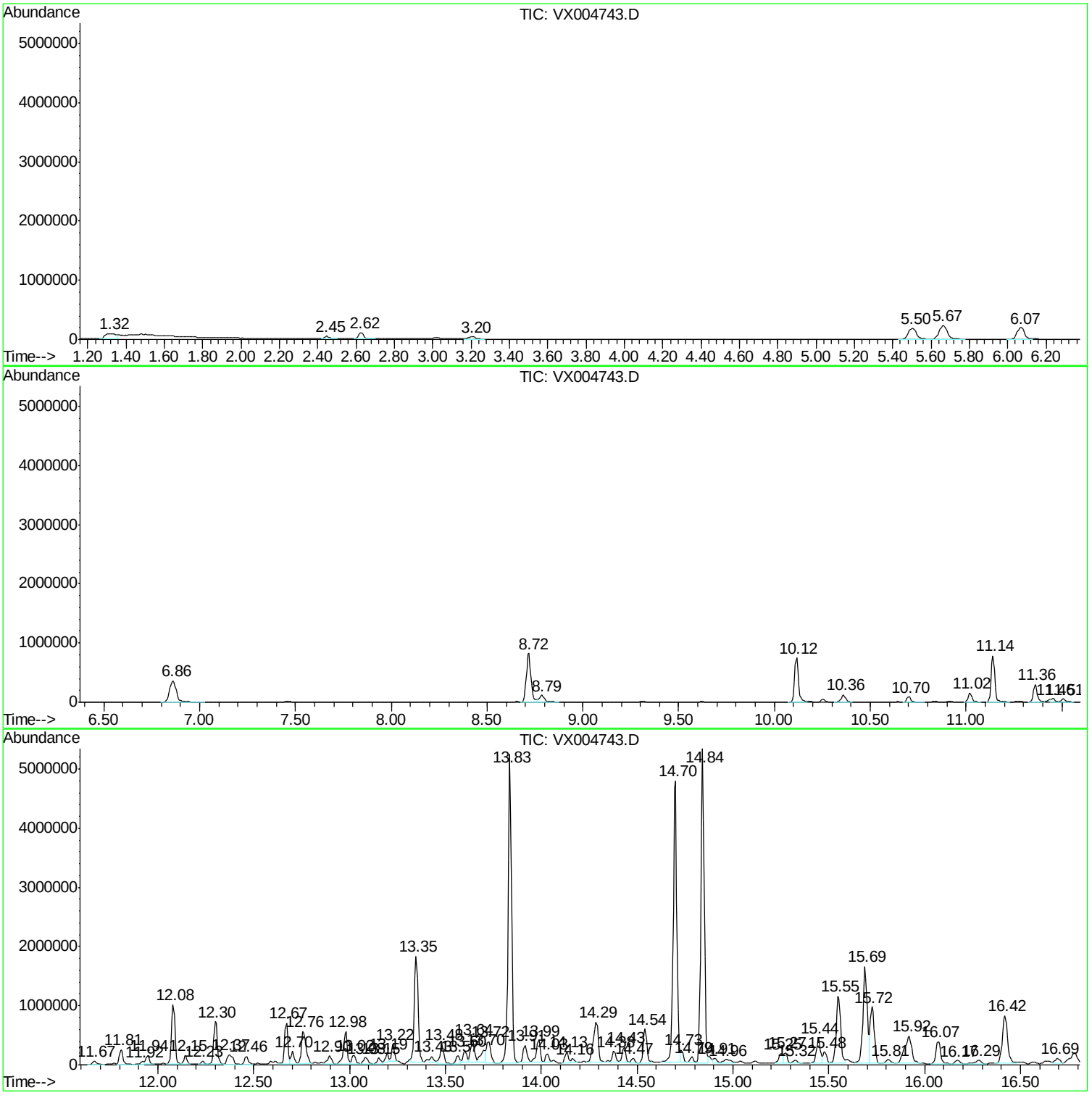
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

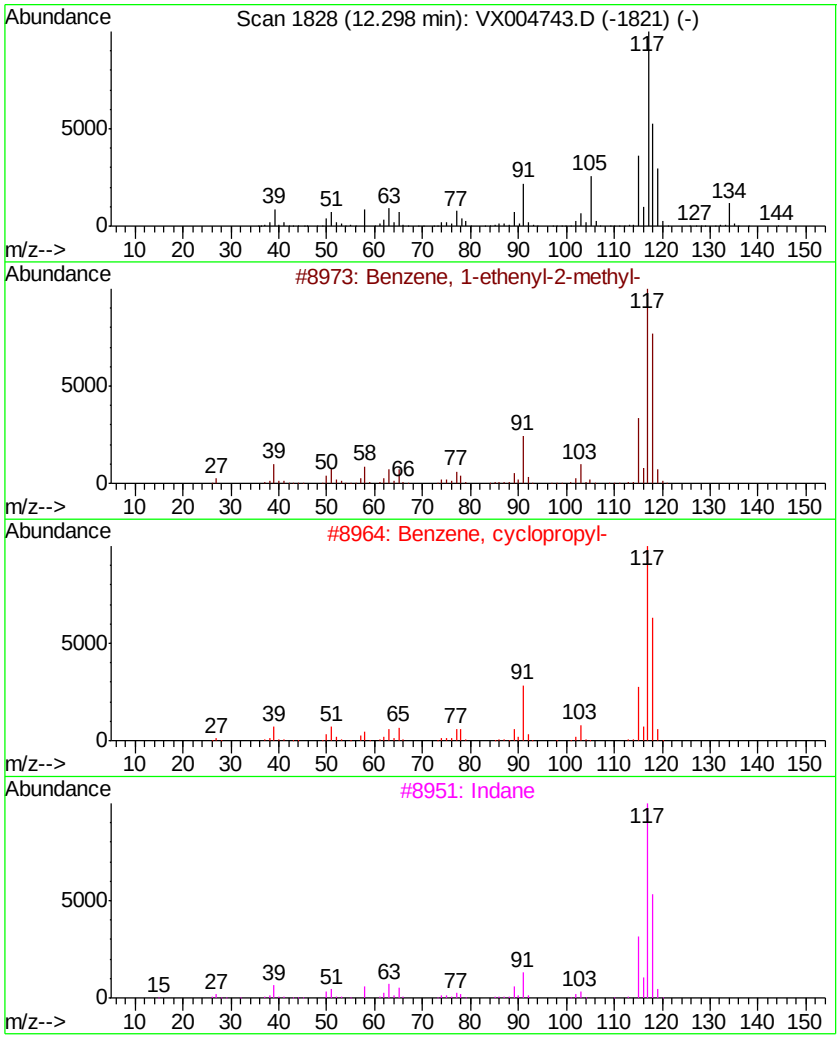
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

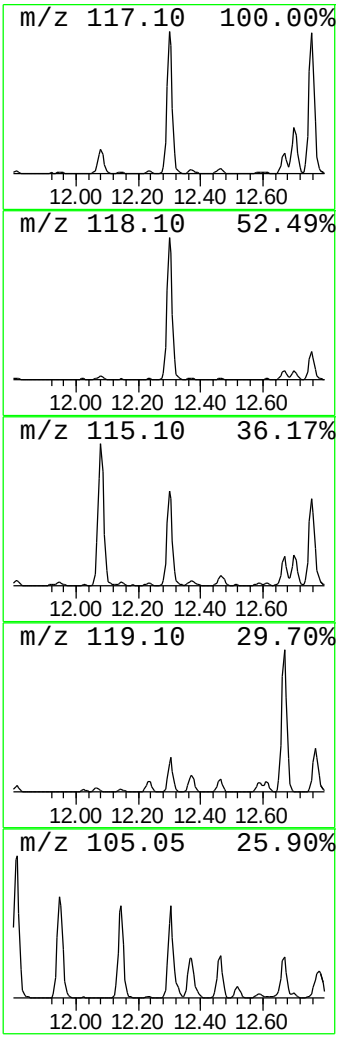
****

Peak Number 1 Benzene, 1-ethenyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	37.80 ug/l	978994	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	91
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	91
3	Indane	118	C9H10	000496-11-7	70
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

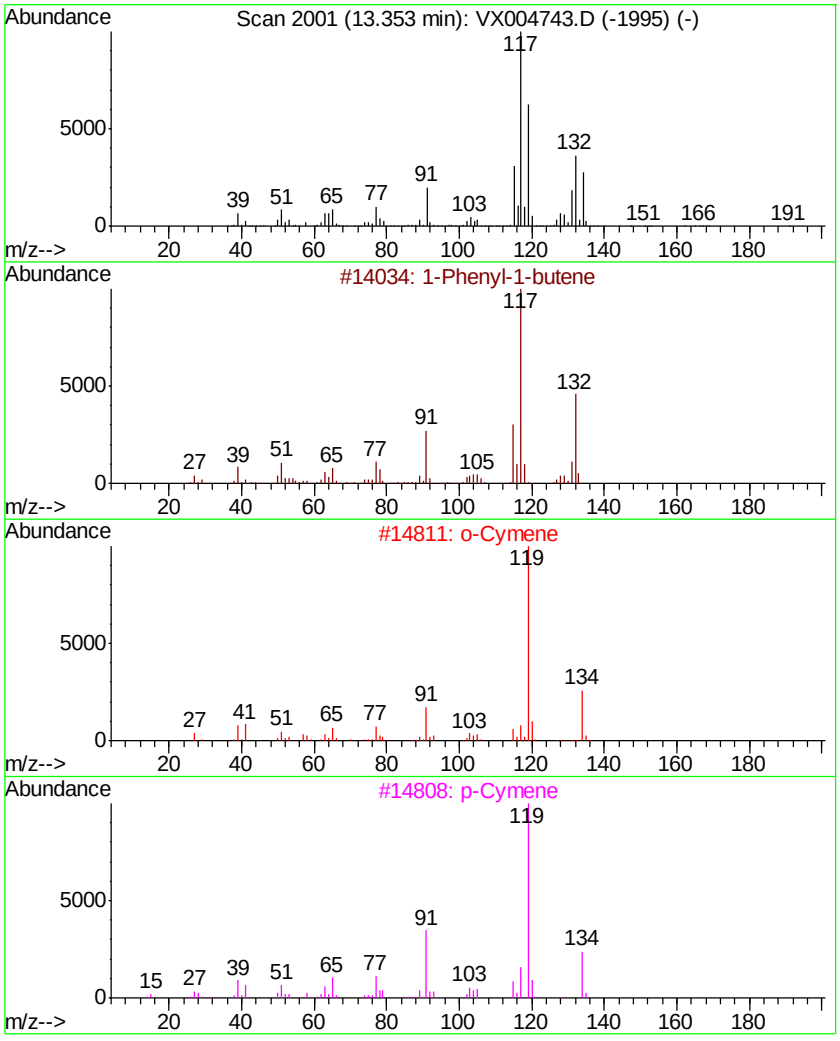
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

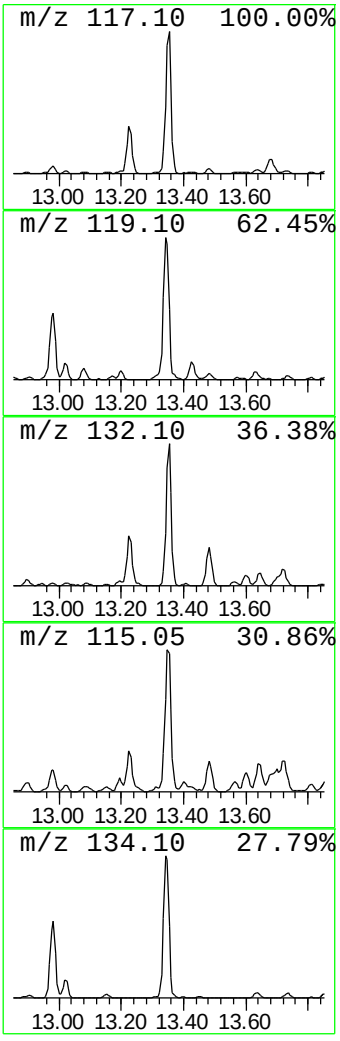
****

Peak Number 2 1-Phenyl-1-butene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	96.47 ug/l	2498380	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
2	o-Cymene	134	C10H14	000527-84-4	60
3	p-Cymene	134	C10H14	000099-87-6	60
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

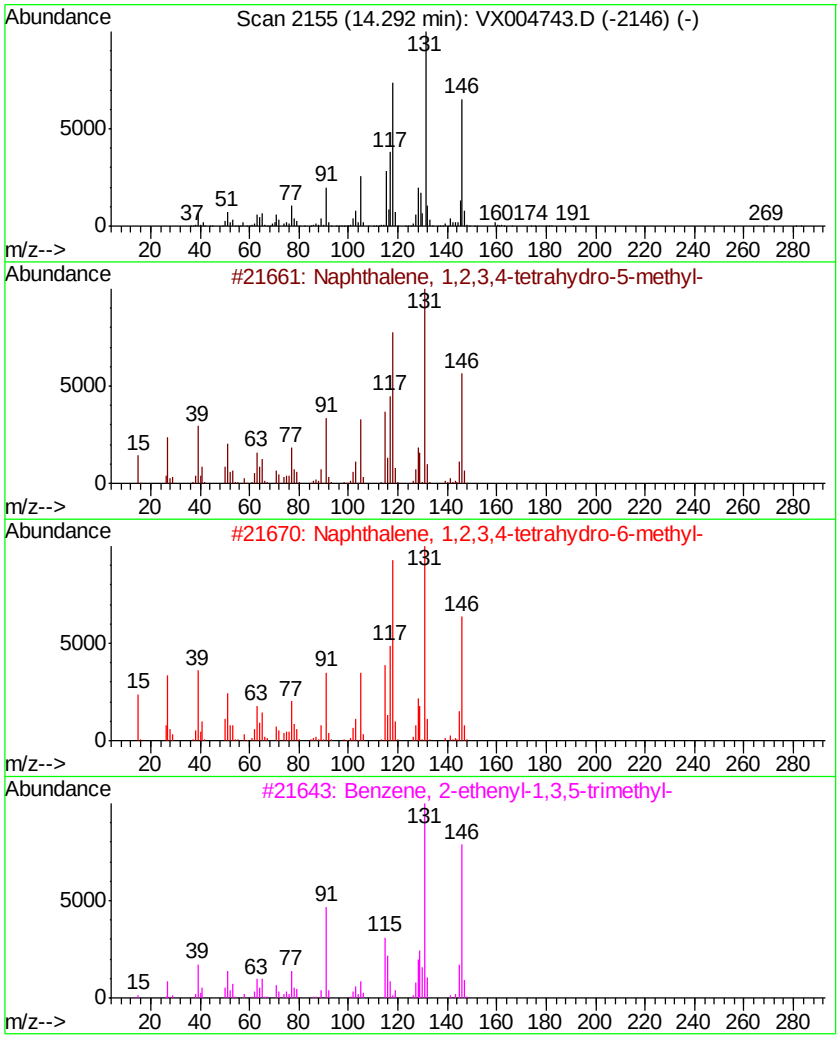
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

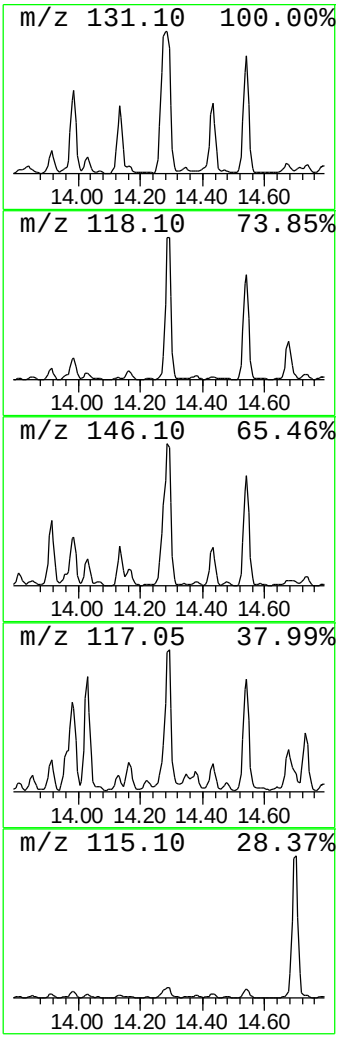
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	47.23 ug/l	1223150	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	96
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	89
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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

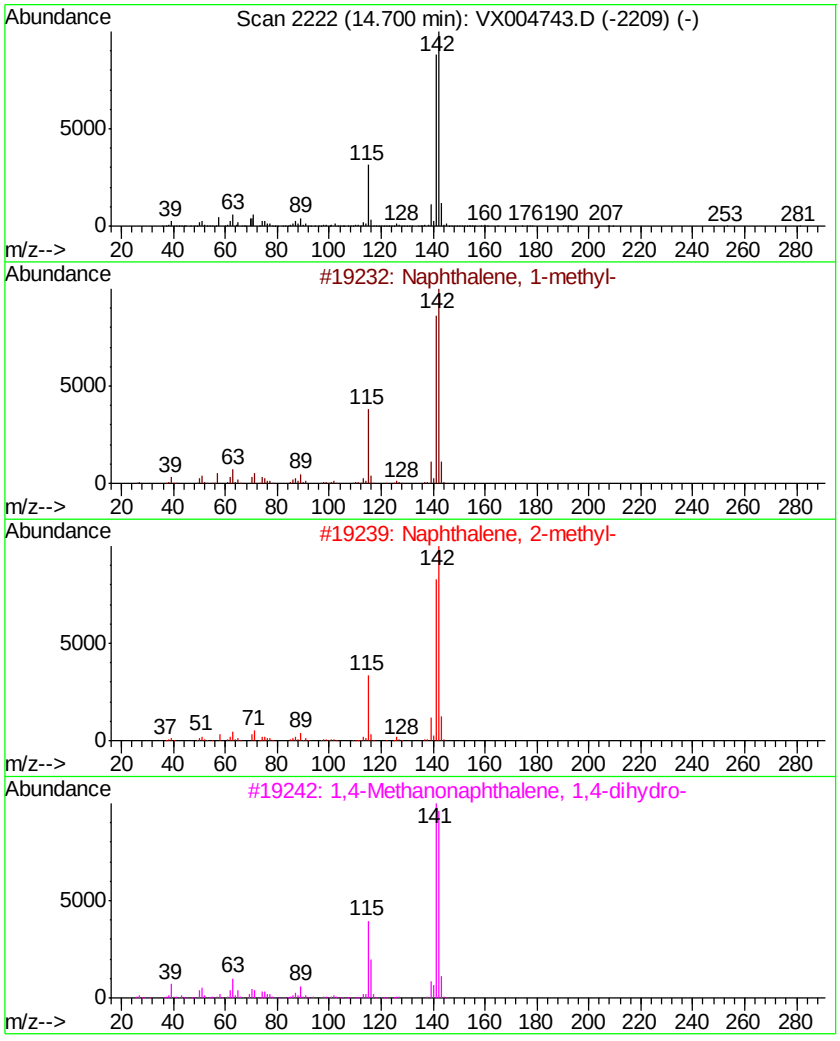
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

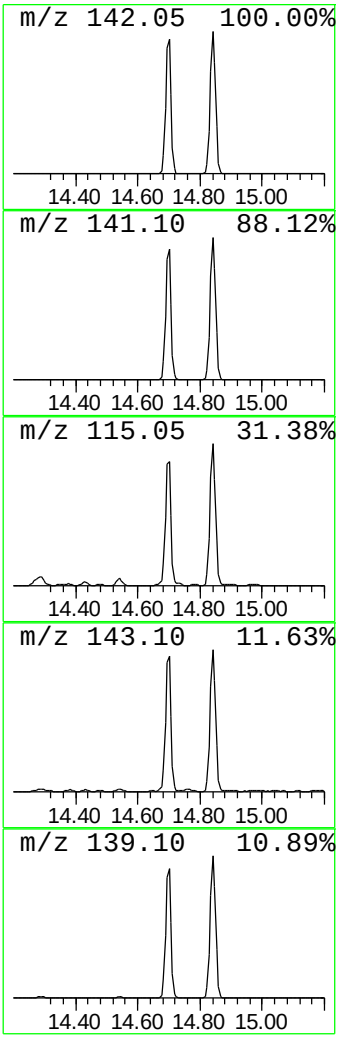
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	248.13 ug/l	6425950	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	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

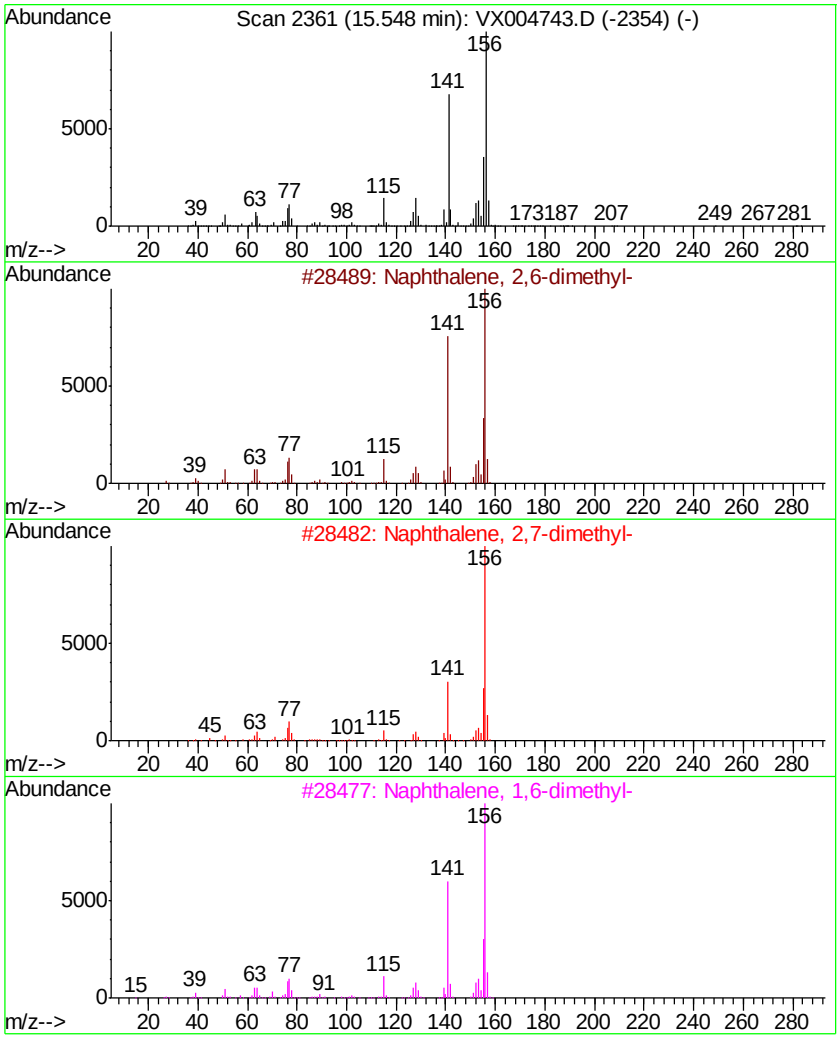
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

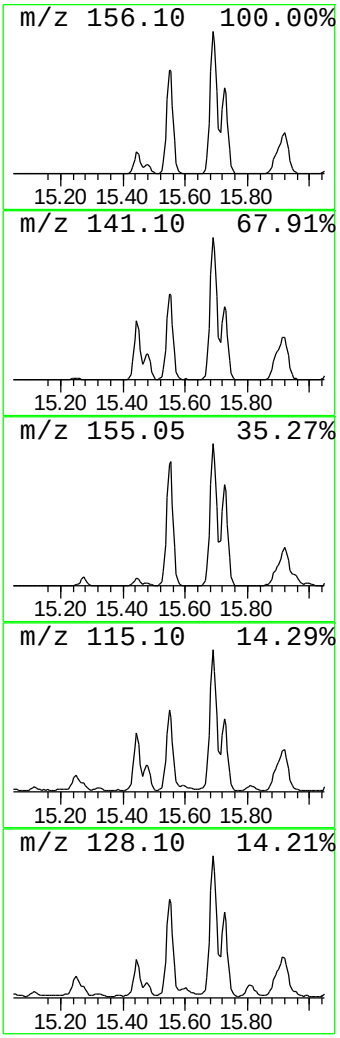
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	69.61 ug/l	1802730	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	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

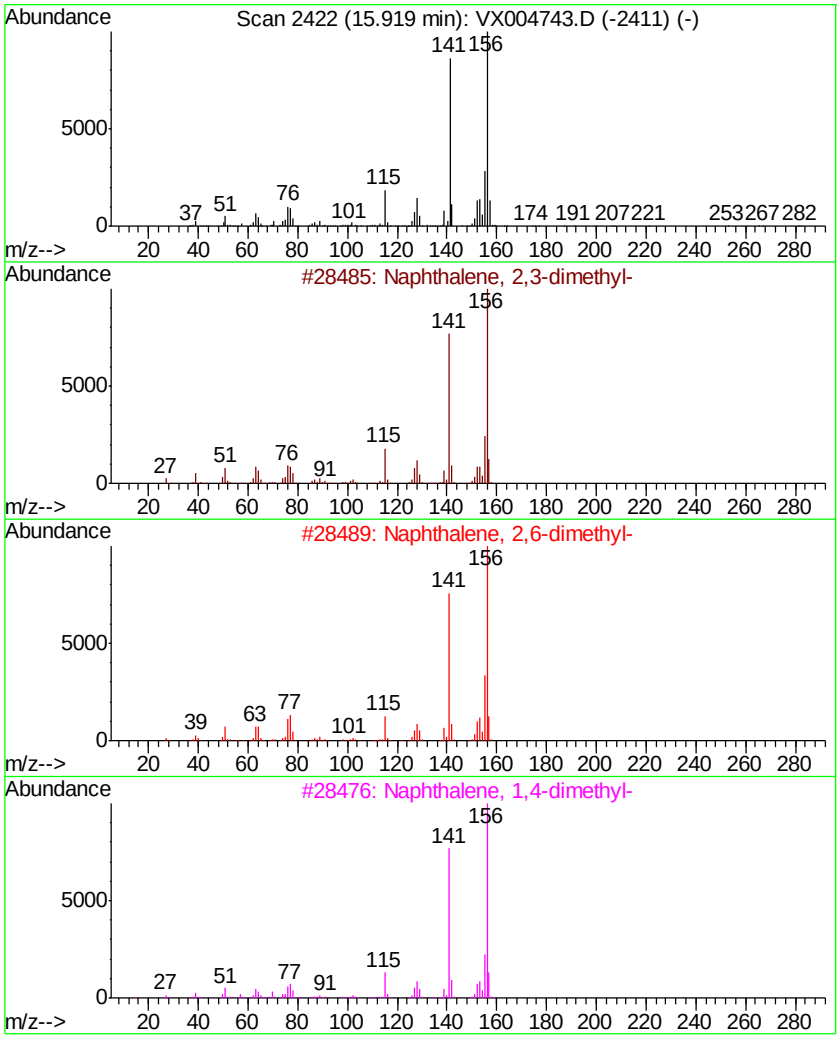
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

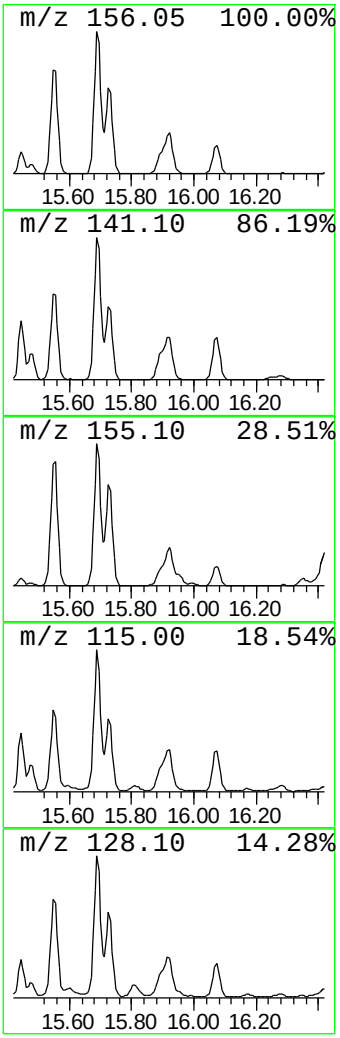
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	47.21 ug/l	1222510	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	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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

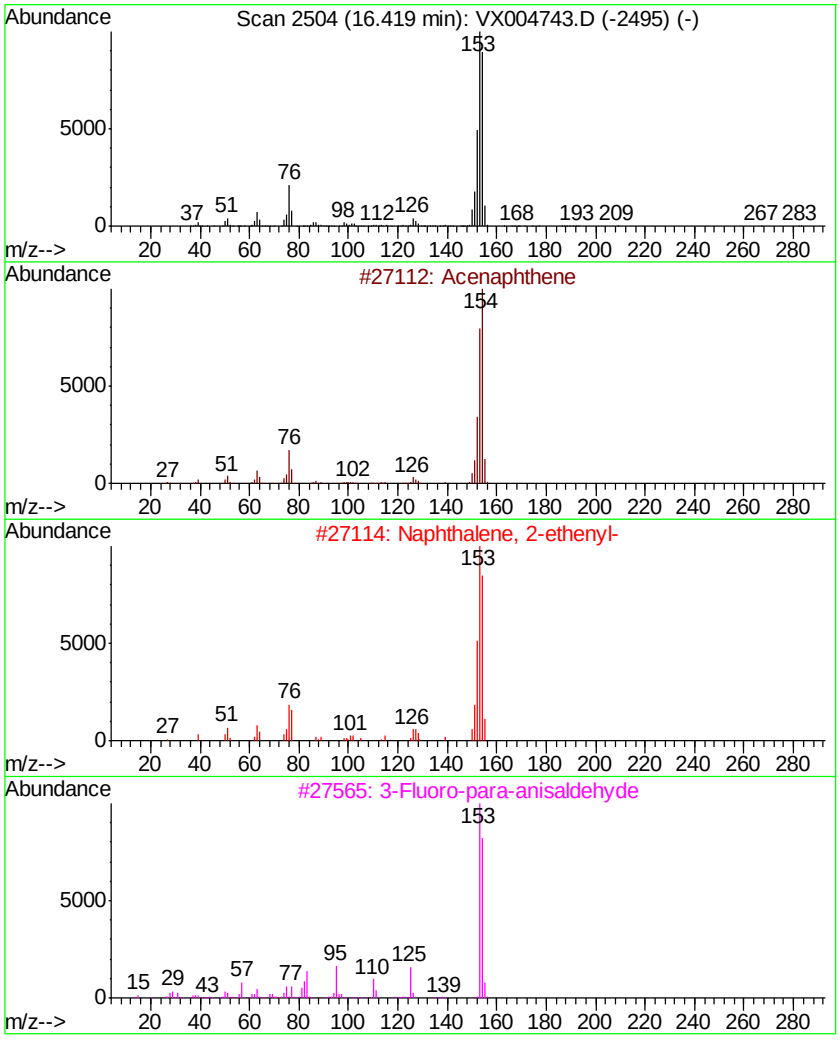
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

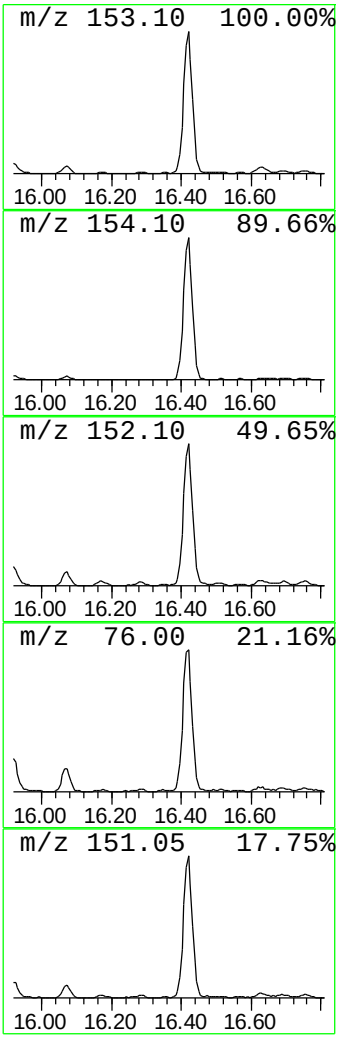
****

Peak Number 10 Acenaphthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	59.31 ug/l	1536030	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	64
3	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	50
4	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	45
5	Biphenyl	154	C12H10	000092-52-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092618\
Data File : VX004743.D
Acq On : 27 Sep 2018 00:37
Operator : JC/MD
Sample : J5020-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TB-091918-01

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
Benzene, 1-etheny...	12.30	37.8	ug/l	978994	4	12.08	1294870	50.0
1-Phenyl-1-butene	13.35	96.5	ug/l	2498380	4	12.08	1294870	50.0
Naphthalene, 1,2,...	14.29	47.2	ug/l	1223150	4	12.08	1294870	50.0
Naphthalene, 1-me...	14.70	248.1	ug/l	6425950	4	12.08	1294870	50.0
Naphthalene, 2,6-...	15.55	69.6	ug/l	1802730	4	12.08	1294870	50.0
Naphthalene, 2,3-...	15.92	47.2	ug/l	1222510	4	12.08	1294870	50.0
Acenaphthene	16.42	59.3	ug/l	1536030	4	12.08	1294870	50.0