LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

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\82X073018S.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	1.075	69	80	93	rBV	271639	354544	89.90%	8.351%
2	1.166	93	95	101	rVB3	3111	5287	1.34%	0.125%
3	1.386	129	131	140	rVB2	3144	5315	1.35%	0.125%
4	1.599	161	166	171	rVB4	1858	4040	1.02%	0.095%
5	2.447	298	305	314	rVB	25390	43621	11.06%	1.027%
6	2.568	317	325	330	rBV	19029	32253	8.18%	0.760%
7	2.617	330	333	338	rVB	4778	7161	1.82%	0.169%
8	2.855	366	372	381	rVB2	7663	16026	4.06%	0.377%
9	4.739	668	681	699	rBV	27951	93684	23.76%	2.207%
10	5.507	796	807	817	rBV	18088	51638	13.09%	1.216%
11	5.665	822	833	851	rVB	124908	336263	85.27%	7.920%
12	6.068	889	899	907	rBV	51782	134847	34.19%	3.176%
13	6.141	908	911	924	rVB2	6786	15777	4.00%	0.372%
14	6.860	1019	1029	1041	rBV	174469	394367	100.00%	9.289%
15	8.720	1327	1334	1341	rBV	246335	374337	94.92%	8.817%
16	8.787	1341	1345	1351	rVB	4512	6508	1.65%	0.153%
17	9.336	1430	1435	1439	rBV	10087	17665	4.48%	0.416%
18	10.116	1557	1563	1573	rBV	242537	322678	81.82%	7.600%
19	10.256	1581	1586	1592	rVB	7711	9782	2.48%	0.230%
20	10.360	1597	1603	1610	rVB	5114	6879	1.74%	0.162%
21	10.701	1655	1659	1668	rVB4	2983	4439	1.13%	0.105%
22	11.018	1705	1711	1715	rVB3	4111	6132	1.55%	0.144%
23	11.140	1725	1731	1737	rBV	130209	168668	42.77%	3.973%
24	11.372	1764	1769	1776	rBV2	7641	13522	3.43%	0.318%
25	11.439	1776	1780	1781	rVV	8709	10876	2.76%	0.256%
26	11.457	1781	1783	1786	rVV	9698	10146	2.57%	0.239%
27	11.506	1786	1791	1802	rVB	14407	20858	5.29%	0.491%
28	11.670	1813	1818	1824	rVB	47701	58904	14.94%	1.387%
29	11.811	1837	1841	1846	rVB	11166	13841	3.51%	0.326%
30	12.024	1873	1876	1880	rBV	6443	6748	1.71%	0.159%
31	12.079	1880	1885	1891	rVV	176463	219033	55.54%	5.159%
32	12.146	1891	1896	1900	rVB	30718	35881	9.10%	0.845%
33	12.298	1917	1921	1929	rVB	29180	41900	10.62%	0.987%
34	12.378	1929	1934	1944	rBV2	12550	19591	4.97%	0.461%

LSC Area Percent Report

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Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

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\82X073018S.M
Title : SW846 8260

35	12.469	1944	1949	1954	rBV3	5771	8592	2.18%	0.202%
36	12.591	1963	1969	1970	rBV	7517	9217	2.34%	0.217%
37	12.609	1970	1972	1977	rVB2	6568	7806	1.98%	0.184%
38	12.670	1977	1982	1985	rBV	17135	18922	4.80%	0.446%
39	12.756	1992	1996	2001	rBV2	21304	29826	7.56%	0.703%
40	12.810	2001	2005	2010	rVB3	6741	10737	2.72%	0.253%
41	12.908	2017	2021	2025	rVB2	8057	10478	2.66%	0.247%
42	12.981	2029	2033	2036	rVV	10779	13782	3.49%	0.325%
43	13.018	2036	2039	2045	rVB	20518	27475	6.97%	0.647%
44	13.121	2045	2056	2058	rBV6	2903	7636	1.94%	0.180%
45	13.152	2058	2061	2065	rVB	4741	5494	1.39%	0.129%
46	13.225	2069	2073	2078	rVB	8188	10597	2.69%	0.250%
47	13.347	2082	2093	2098	rBV3	65845	106744	27.07%	2.514%
48	13.402	2098	2102	2106	rVV	8007	9640	2.44%	0.227%
49	13.481	2108	2115	2120	rBV	58088	81282	20.61%	1.914%
50	13.603	2131	2135	2138	rVV	10386	13894	3.52%	0.327%
51	13.640	2138	2141	2149	rVV5	6171	12764	3.24%	0.301%
52	13.725	2149	2155	2160	rVB3	4844	10073	2.55%	0.237%
53	13.835	2164	2173	2180	rBV	60536	92798	23.53%	2.186%
54	13.926	2181	2188	2192	rBV2	5490	9931	2.52%	0.234%
55	13.987	2194	2198	2202	rVB3	5619	7925	2.01%	0.187%
56	14.097	2213	2216	2218	rVB	4414	4861	1.23%	0.114%
57	14.133	2218	2222	2225	rBV2	5664	7641	1.94%	0.180%
58	14.188	2228	2231	2237	rVV3	5837	10231	2.59%	0.241%
59	14.280	2241	2246	2250	rVV2	20122	31233	7.92%	0.736%
60	14.316	2250	2252	2256	rVV	8189	9725	2.47%	0.229%
61	14.377	2256	2262	2268	rVV	23402	37689	9.56%	0.888%
62	14.432	2268	2271	2274	rVB	5939	6874	1.74%	0.162%
63	14.542	2285	2289	2292	rBV5	2675	4158	1.05%	0.098%
64	14.585	2292	2296	2301	rVV2	5705	8909	2.26%	0.210%
65	14.658	2304	2308	2311	rVV	19170	26052	6.61%	0.614%
66	14.700	2311	2315	2324	rVV	44323	63660	16.14%	1.499%
67	14.841	2332	2338	2350	rVB	272905	348516	88.37%	8.209%
68	15.273	2401	2409	2413	rVB	8599	15242	3.86%	0.359%
69	15.420	2429	2433	2434	rBV	5711	6292	1.60%	0.148%
70	15.444	2434	2437	2441	rVV	9323	13447	3.41%	0.317%
71	15.481	2441	2443	2448	rVB2	6949	8657	2.20%	0.204%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073118\
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Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA_X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

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\82X073018S.M
Title : SW846 8260

72	15.554	2448	2455	2458	rBV	29432	49194	12.47%	1.159%
73	15.591	2458	2461	2467	rVB	9010	14251	3.61%	0.336%
74	15.688	2467	2477	2481	rBV	53015	93172	23.63%	2.195%
75	15.725	2481	2483	2491	rVB	20491	30932	7.84%	0.729%
76	15.810	2494	2497	2505	rVB4	2829	4901	1.24%	0.115%
77	15.889	2505	2510	2513	rBV2	8435	16044	4.07%	0.378%
78	16.072	2534	2540	2548	rVV2	6736	10747	2.73%	0.253%
79	16.176	2552	2557	2562	rVB3	2536	3969	1.01%	0.093%
80	16.420	2590	2597	2605	rBV	26561	50413	12.78%	1.187%

Sum of corrected areas: 4245634

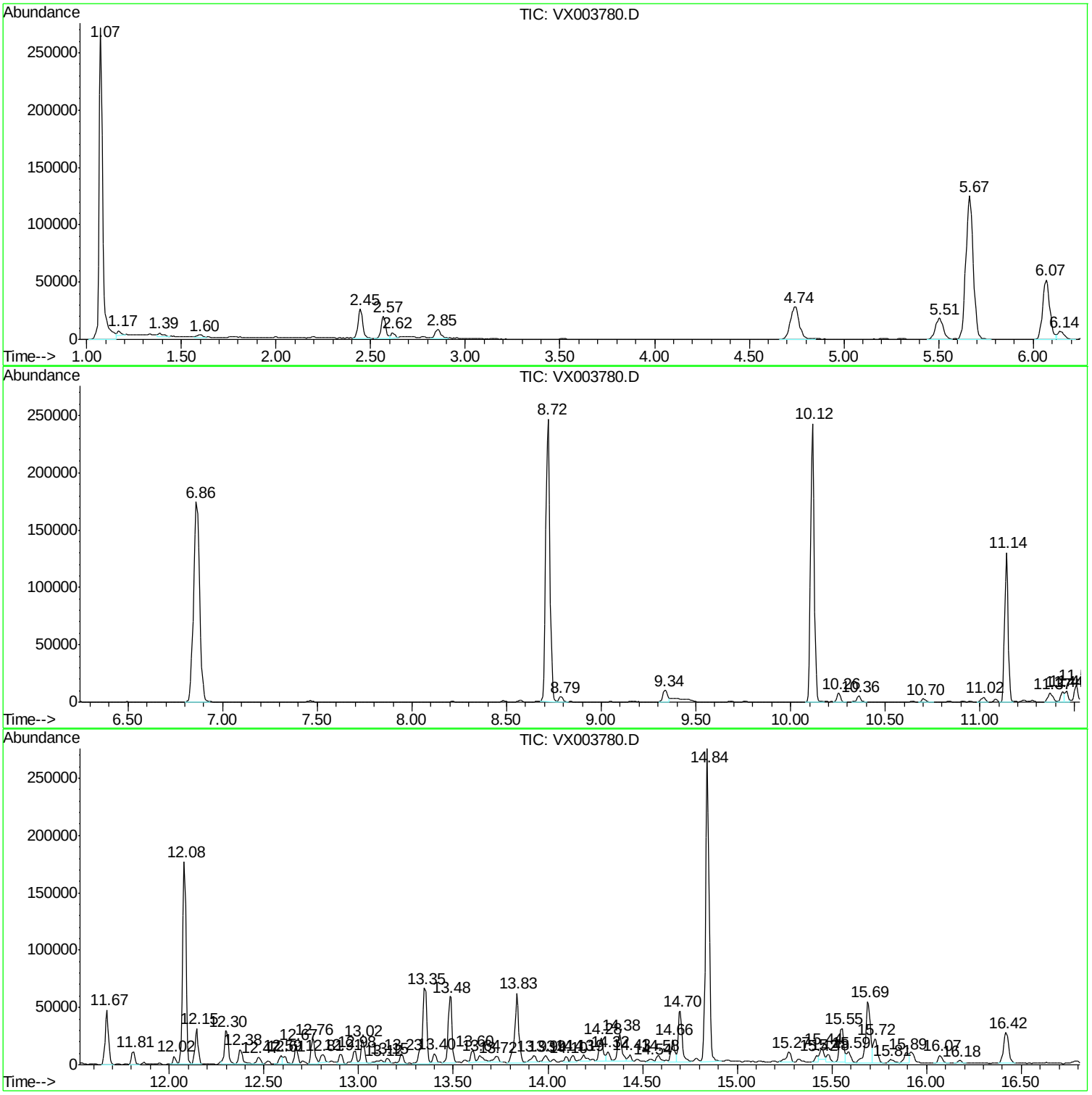
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA_X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA_X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

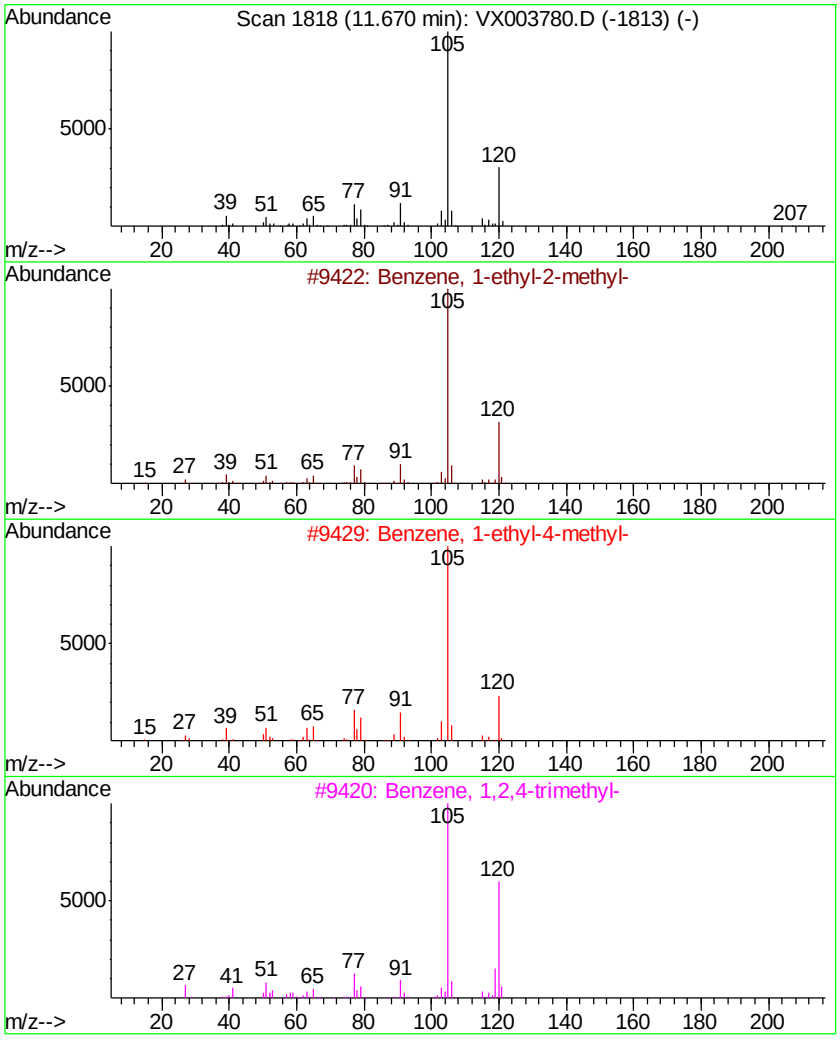
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

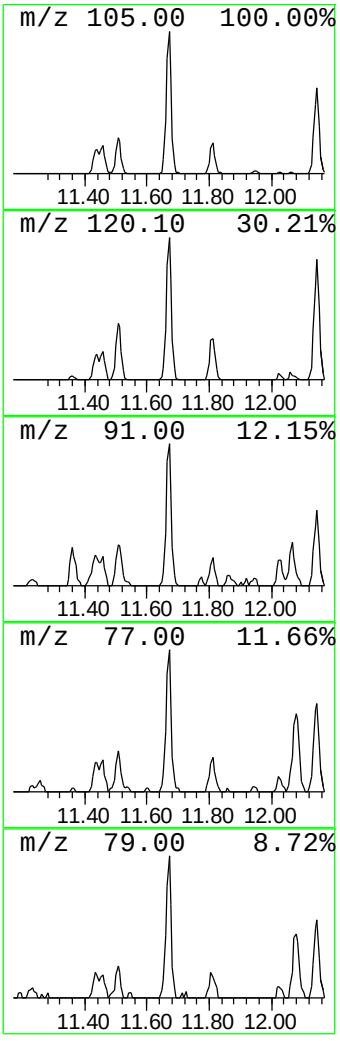
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	13.45 ug/l	58904	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	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

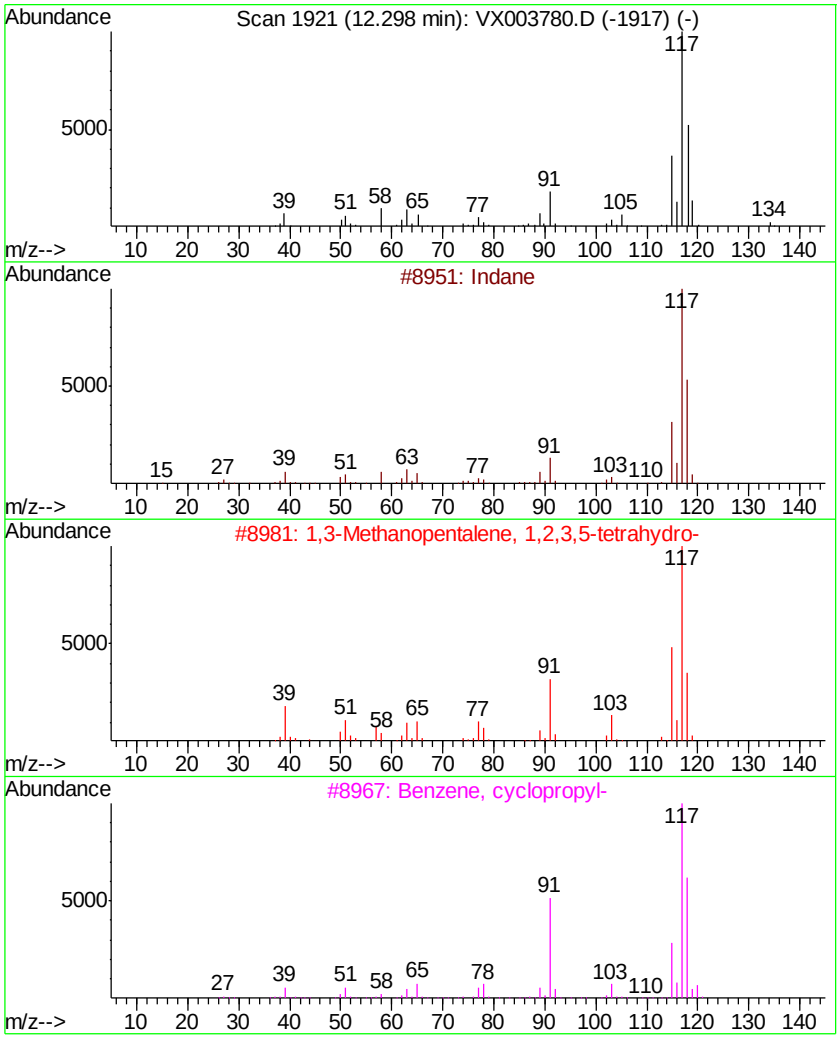
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

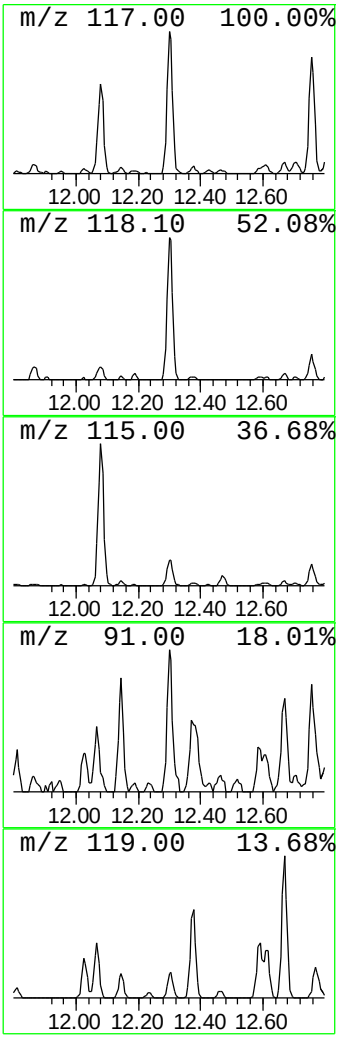
****

Peak Number 3 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	9.56 ug/l	41900	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	72
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Deltacyclene	118	C9H10	007785-10-6	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA_X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

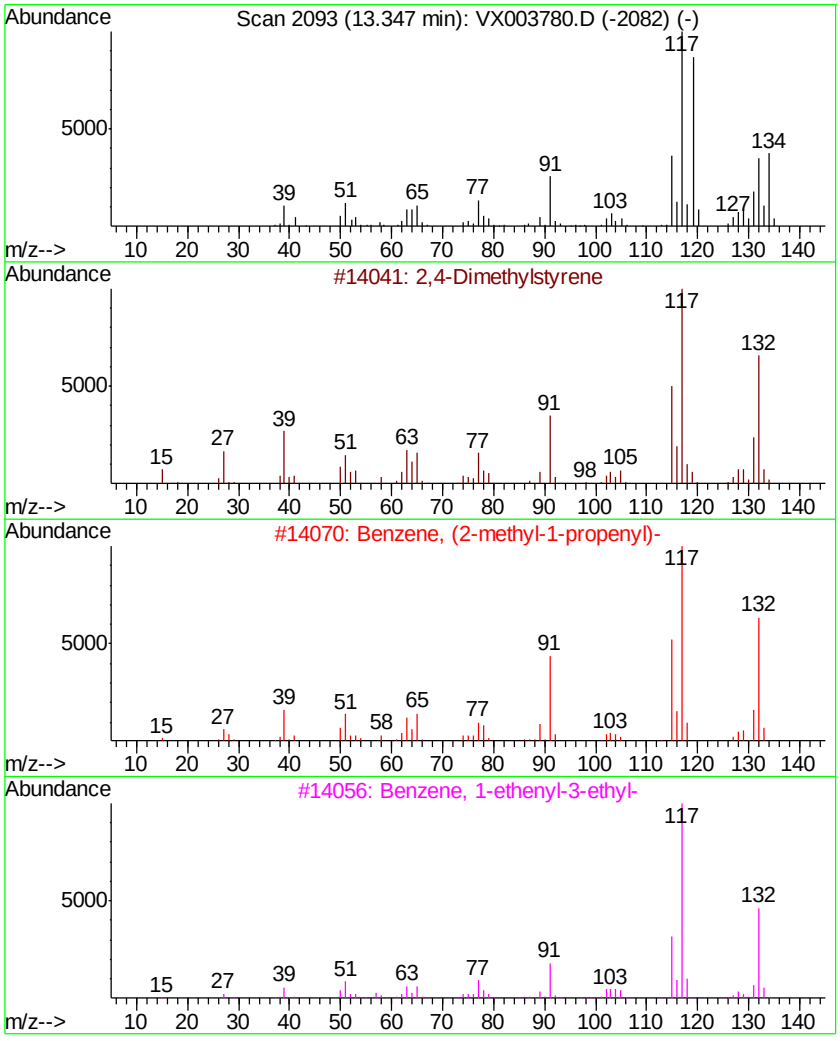
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

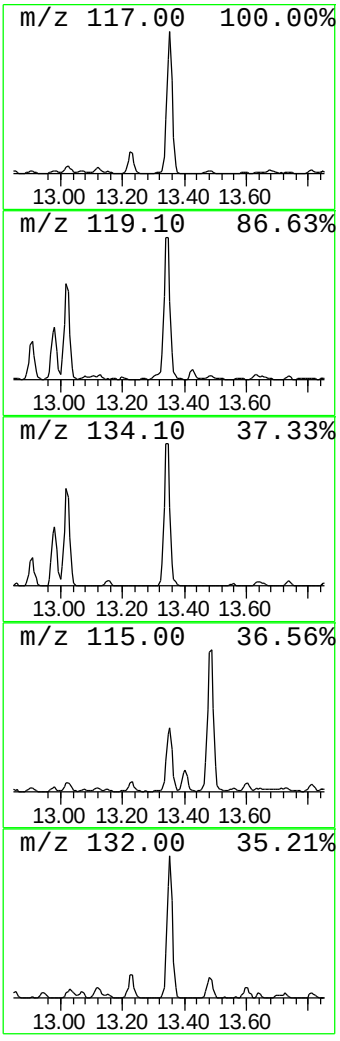
****

Peak Number 4 2,4-Dimethylstyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	24.37 ug/l	106744	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	55
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
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Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

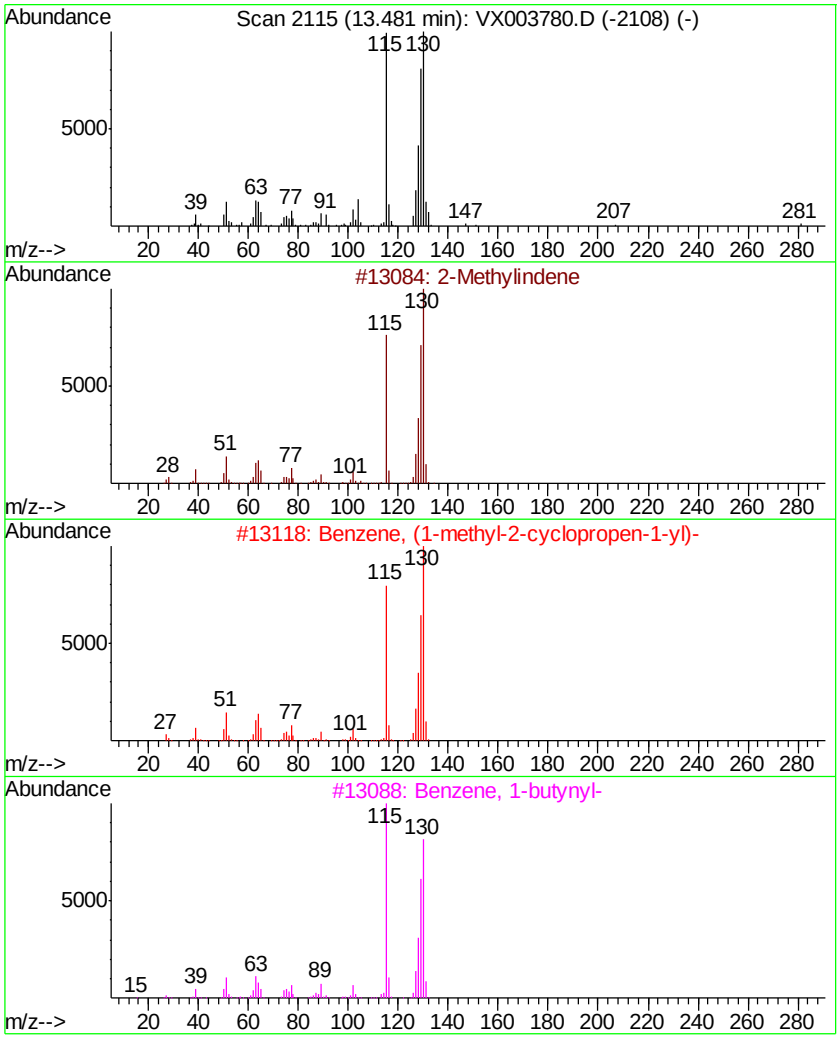
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

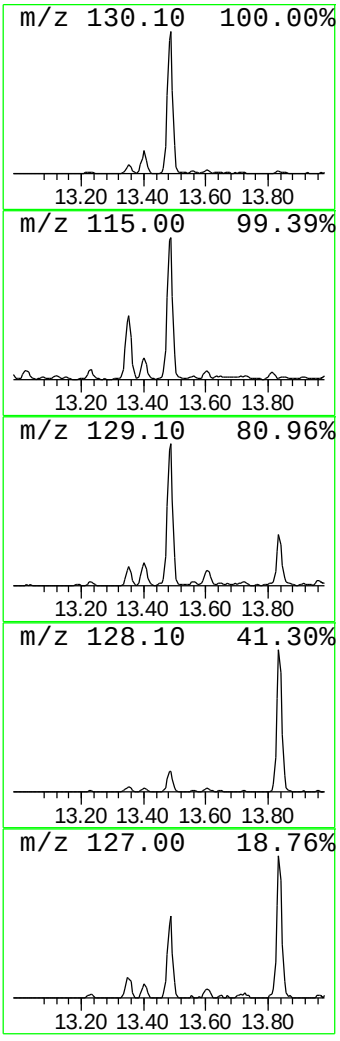
****

Peak Number 5 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	18.55 ug/l	81282	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95





Library Search Compound Report

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Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
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Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

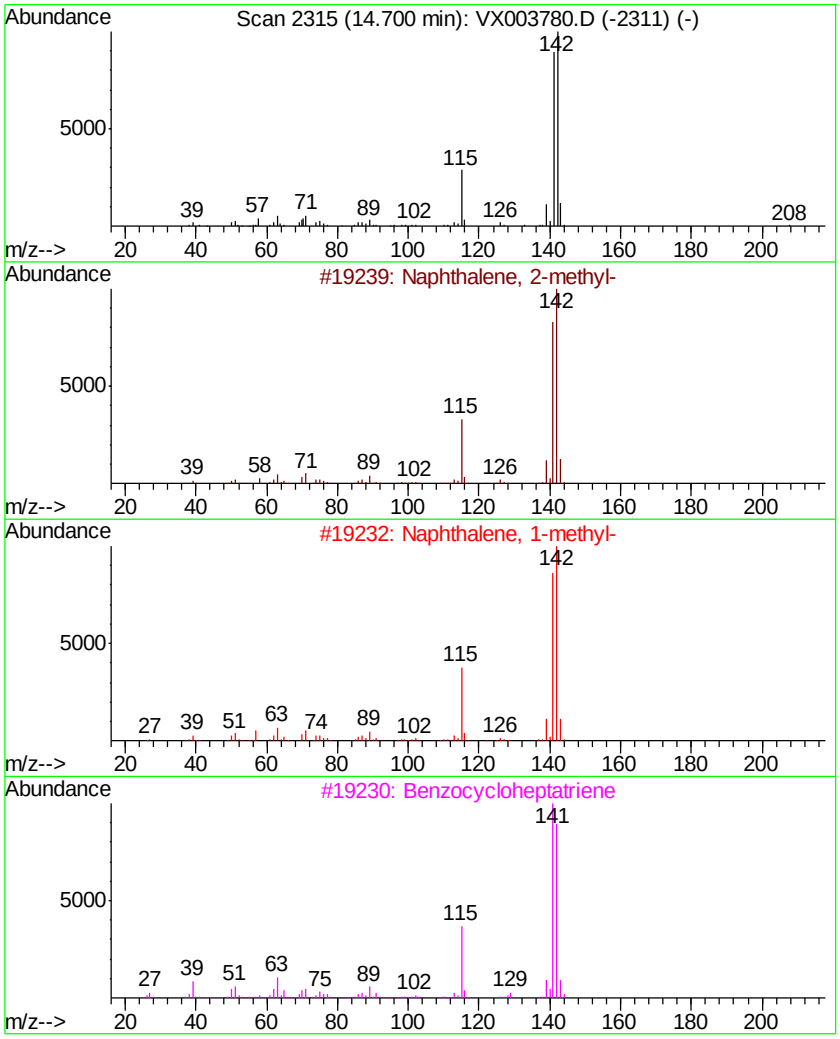
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

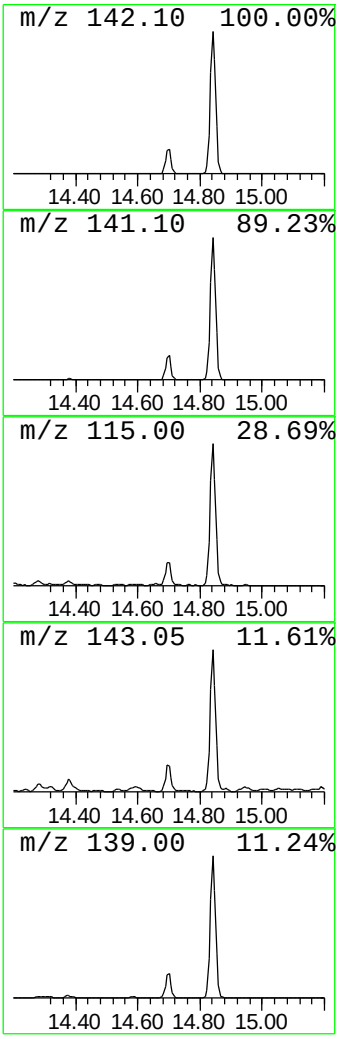
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	14.53 ug/l	63660	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	95
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1-Naphthaleneacetamide	185	C12H11NO	000086-86-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA_X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

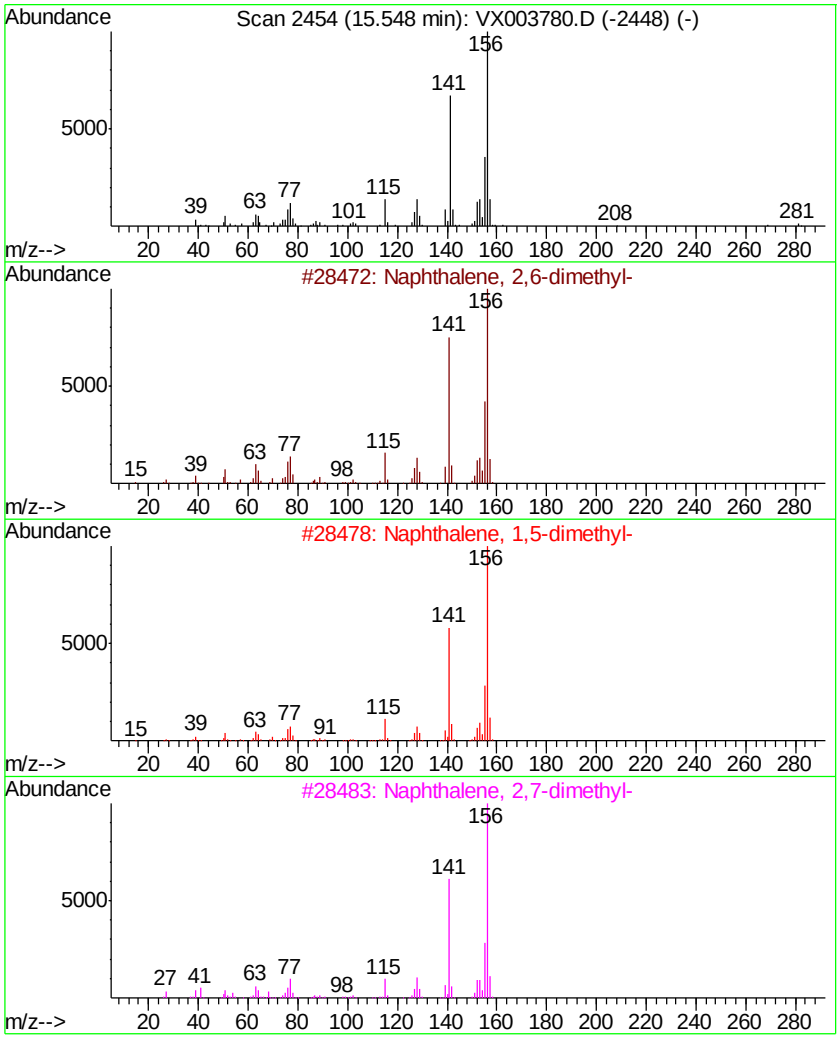
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

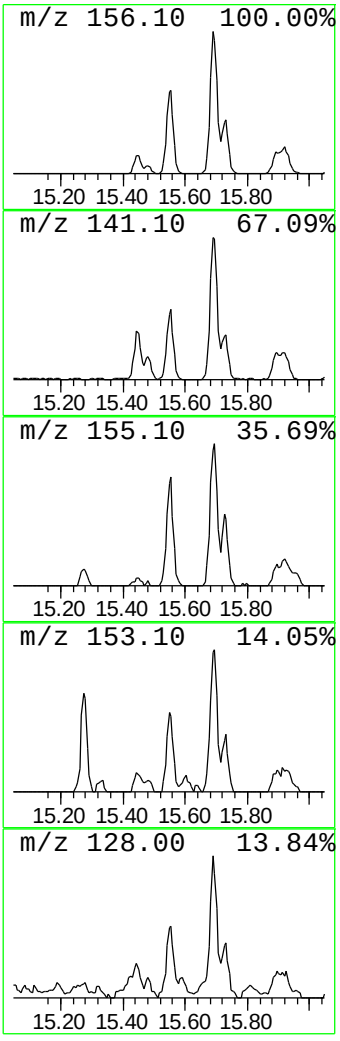
****

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	11.23 ug/l	49194	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, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA_X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

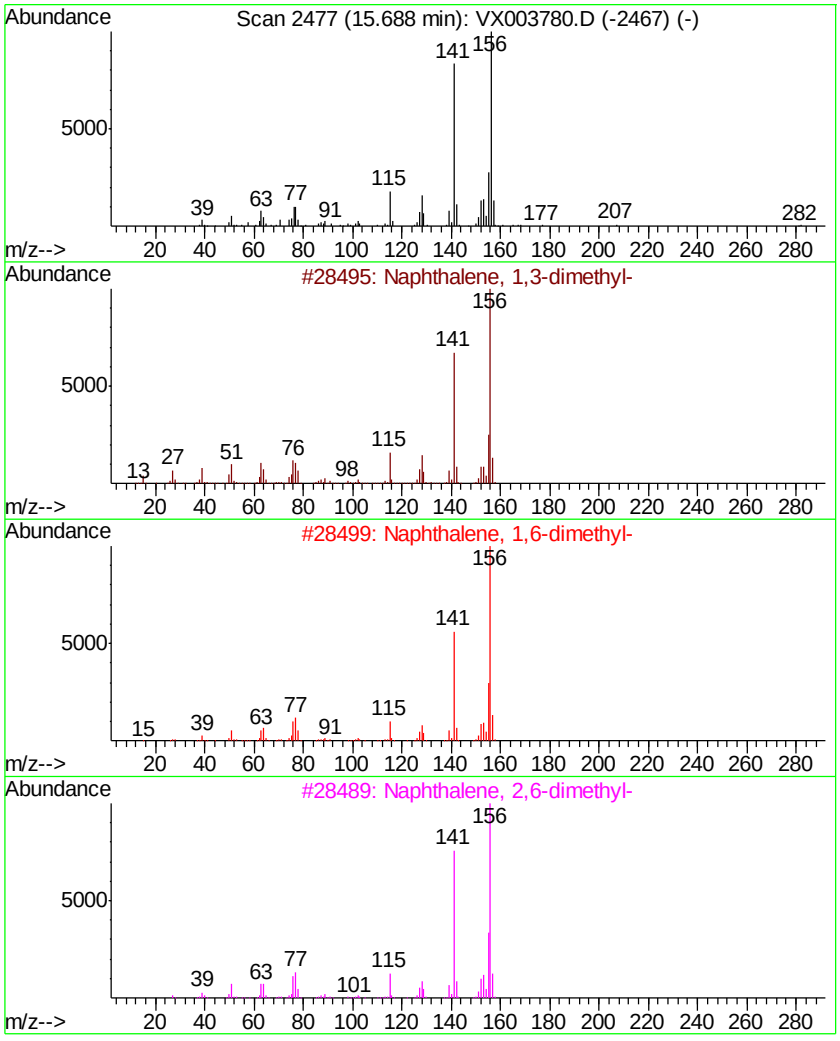
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

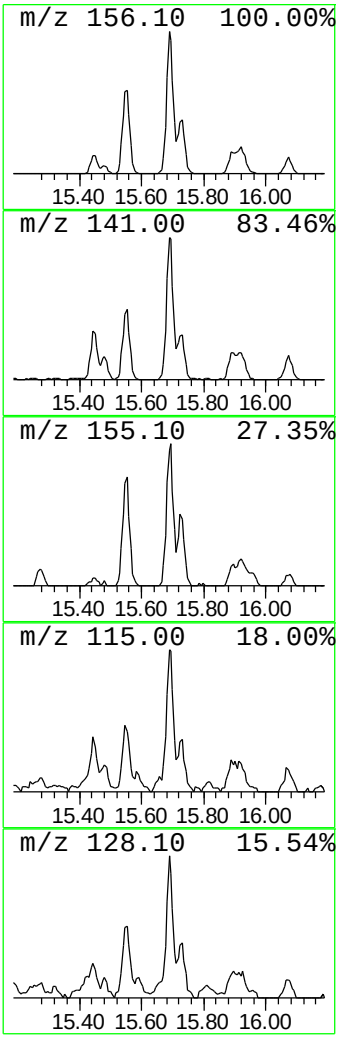
****

Peak Number 9 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	21.27 ug/l	93172	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260

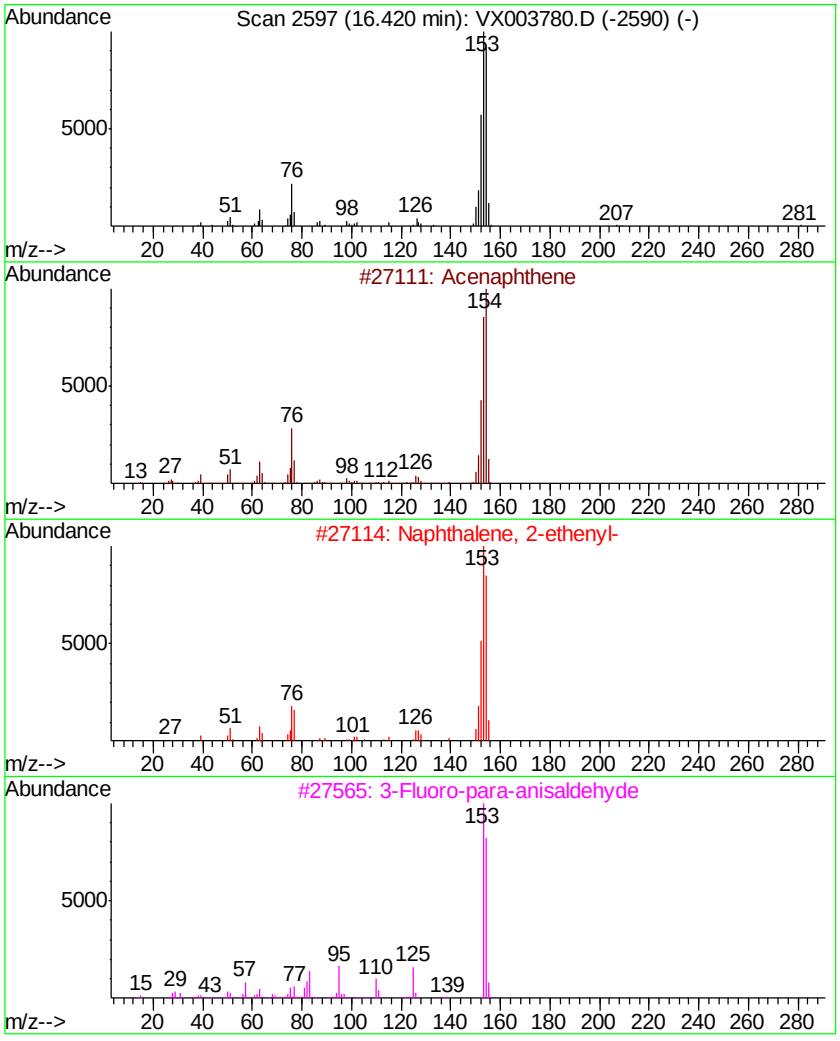
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

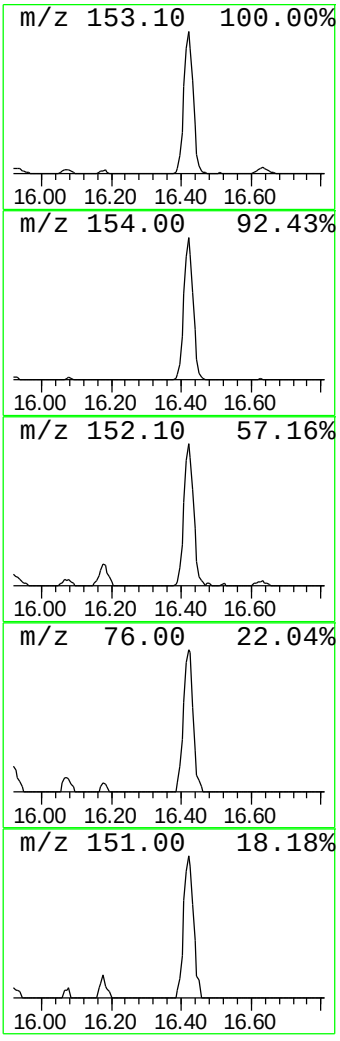
****

Peak Number 10 Acenaphthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	11.51 ug/l	50413	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	90
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	59
3	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	50
4	Biphenyl	154	C12H10	000092-52-4	47
5	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073118\
Data File : VX003780.D
Acq On : 01 Aug 2018 05:34
Operator : JC/SP
Sample : J4143-05
Misc : 10.77G/5.0mL/MSVOA_X/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-01(3-5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.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-ethyl-...	11.67	13.4	ug/l	58904	4	12.08	219033	50.0
Indane	12.30	9.6	ug/l	41900	4	12.08	219033	50.0
2,4-Dimethylstyrene	13.35	24.4	ug/l	106744	4	12.08	219033	50.0
2-Methylindene	13.48	18.6	ug/l	81282	4	12.08	219033	50.0
Naphthalene, 1-me...	14.70	14.5	ug/l	63660	4	12.08	219033	50.0
Naphthalene, 2,6-...	15.55	11.2	ug/l	49194	4	12.08	219033	50.0
Naphthalene, 1,3-...	15.69	21.3	ug/l	93172	4	12.08	219033	50.0
Acenaphthene	16.42	11.5	ug/l	50413	4	12.08	219033	50.0