LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-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 : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.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	76	80	92	rBV	731201	820508	16.51%	1.564%
2	2.849	363	371	384	rBV	31136	72251	1.45%	0.138%
3	5.513	795	808	819	rBV	49863	143313	2.88%	0.273%
4	5.678	824	835	855	rVB	88599	293164	5.90%	0.559%
5	6.080	891	901	909	rBV	56528	148645	2.99%	0.283%
6	6.873	1022	1031	1041	rBV	135206	318515	6.41%	0.607%
7	8.726	1328	1335	1343	rBV	279513	426819	8.59%	0.814%
8	9.531	1461	1467	1472	rBV	58535	88084	1.77%	0.168%
9	10.122	1554	1564	1574	rBV	296031	418473	8.42%	0.798%
10	10.262	1582	1587	1592	rBV	61121	82953	1.67%	0.158%
11	10.366	1597	1604	1611	rVB	39944	68858	1.39%	0.131%
12	10.707	1654	1660	1671	rVB	161393	211334	4.25%	0.403%
13	11.146	1725	1732	1738	rBV	260847	342170	6.89%	0.652%
14	11.366	1764	1768	1773	rBV	48635	58756	1.18%	0.112%
15	11.463	1776	1784	1788	rBV	205865	271083	5.46%	0.517%
16	11.512	1788	1792	1803	rVB	724009	894345	18.00%	1.705%
17	11.677	1813	1819	1828	rBV	1605712	1905049	38.34%	3.632%
18	11.817	1837	1842	1847	rVB	1022976	1187968	23.91%	2.265%
19	12.036	1873	1878	1881	rBV	177690	221311	4.45%	0.422%
20	12.085	1881	1886	1890	rVV2	391958	518695	10.44%	0.989%
21	12.152	1890	1897	1908	rVV	1643641	1977481	39.80%	3.770%
22	12.244	1908	1912	1917	rVB	55775	70679	1.42%	0.135%
23	12.311	1917	1923	1930	rBV	1552544	2180441	43.88%	4.157%
24	12.384	1930	1935	1940	rVB2	1175738	1575954	31.72%	3.004%
25	12.469	1945	1949	1954	rVB2	268137	341475	6.87%	0.651%
26	12.530	1954	1959	1965	rVB	547456	756535	15.23%	1.442%
27	12.597	1965	1970	1972	rBV	1256778	1693369	34.08%	3.228%
28	12.622	1972	1974	1978	rVB	1081342	1067001	21.47%	2.034%
29	12.677	1978	1983	1987	rBV	3309495	3815766	76.79%	7.274%
30	12.713	1987	1989	1993	rVB	203755	199042	4.01%	0.379%
31	12.768	1993	1998	2005	rBV2	1353252	2202429	44.32%	4.199%
32	12.859	2010	2013	2016	rVB2	59074	64571	1.30%	0.123%
33	12.914	2017	2022	2027	rVB2	614460	791537	15.93%	1.509%
34	12.988	2027	2034	2037	rBV	2337826	2692605	54.19%	5.133%

LSC Area Percent Report

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-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 : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Title : SW846 8260

35	13.030	2037	2041	2046	rVB	3200408	3807941	76.64%	7.259%
36	13.091	2046	2051	2052	rBV	248687	323449	6.51%	0.617%
37	13.109	2052	2054	2057	rVV	302377	364951	7.34%	0.696%
38	13.134	2057	2058	2061	rVB	117753	74170	1.49%	0.141%
39	13.201	2066	2069	2071	rVV	187580	250161	5.03%	0.477%
40	13.231	2071	2074	2078	rVV	1164265	1504974	30.29%	2.869%
41	13.274	2078	2081	2084	rVV2	173414	223148	4.49%	0.425%
42	13.317	2084	2088	2090	rVV2	365986	492436	9.91%	0.939%
43	13.359	2090	2095	2100	rVV2	3435893	4968830	100.00%	9.472%
44	13.408	2100	2103	2105	rVV3	150251	244822	4.93%	0.467%
45	13.433	2105	2107	2112	rVV	318761	369661	7.44%	0.705%
46	13.487	2112	2116	2123	rVB	559584	706304	14.21%	1.346%
47	13.567	2124	2129	2132	rBV2	236845	339928	6.84%	0.648%
48	13.609	2132	2136	2139	rVV	590986	833122	16.77%	1.588%
49	13.646	2139	2142	2149	rVV3	750952	1566874	31.53%	2.987%
50	13.707	2149	2152	2153	rVV	364267	412174	8.30%	0.786%
51	13.731	2153	2156	2161	rVB2	680853	1035180	20.83%	1.973%
52	13.841	2167	2174	2183	rBV	843260	1208404	24.32%	2.304%
53	13.926	2183	2188	2193	rVB3	116556	201828	4.06%	0.385%
54	13.993	2193	2199	2203	rBV2	318997	455910	9.18%	0.869%
55	14.036	2203	2206	2210	rBV	235079	269374	5.42%	0.514%
56	14.140	2219	2223	2230	rBV	510561	632759	12.73%	1.206%
57	14.280	2241	2246	2255	rBV	456345	797748	16.06%	1.521%
58	14.384	2260	2263	2268	rVV	265188	335373	6.75%	0.639%
59	14.438	2268	2272	2277	rVB	347357	418138	8.42%	0.797%
60	14.548	2285	2290	2294	rBV2	117810	179420	3.61%	0.342%
61	14.664	2303	2309	2313	rBV2	153144	273100	5.50%	0.521%
62	14.707	2313	2316	2319	rVB	164400	198627	4.00%	0.379%
63	14.847	2334	2339	2348	rBV	1041553	1385525	27.88%	2.641%
64	15.261	2401	2407	2414	rBV2	52533	110550	2.22%	0.211%
65	15.560	2451	2456	2460	rBV	54556	83781	1.69%	0.160%
66	15.700	2473	2479	2482	rBV	168094	264123	5.32%	0.504%
67	15.737	2482	2485	2492	rVB	90991	137413	2.77%	0.262%
68	16.084	2536	2542	2553	rVB3	30489	64031	1.29%	0.122%

Sum of corrected areas: 52455408

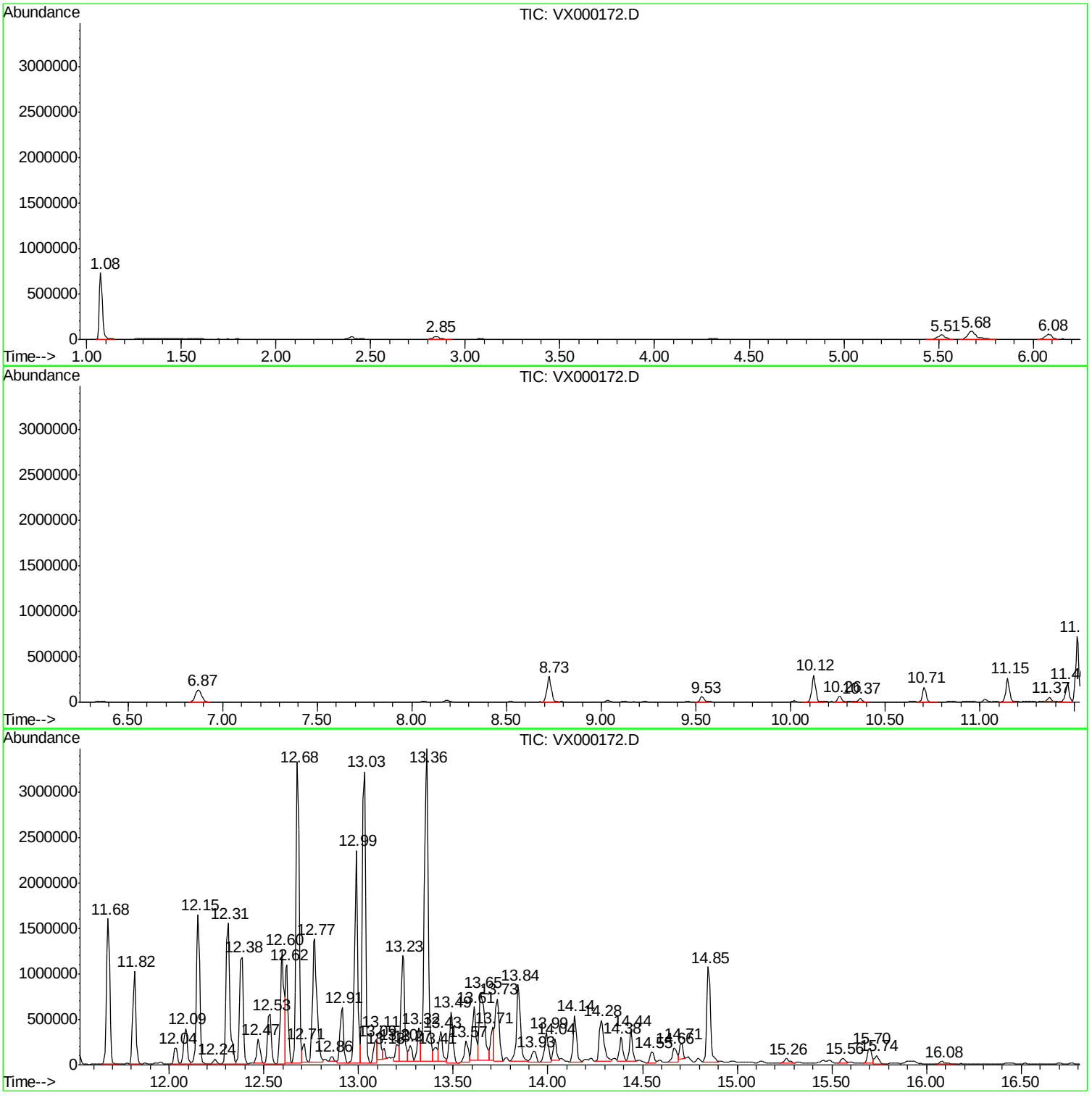
LSC Report - Integrated Chromatogram

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

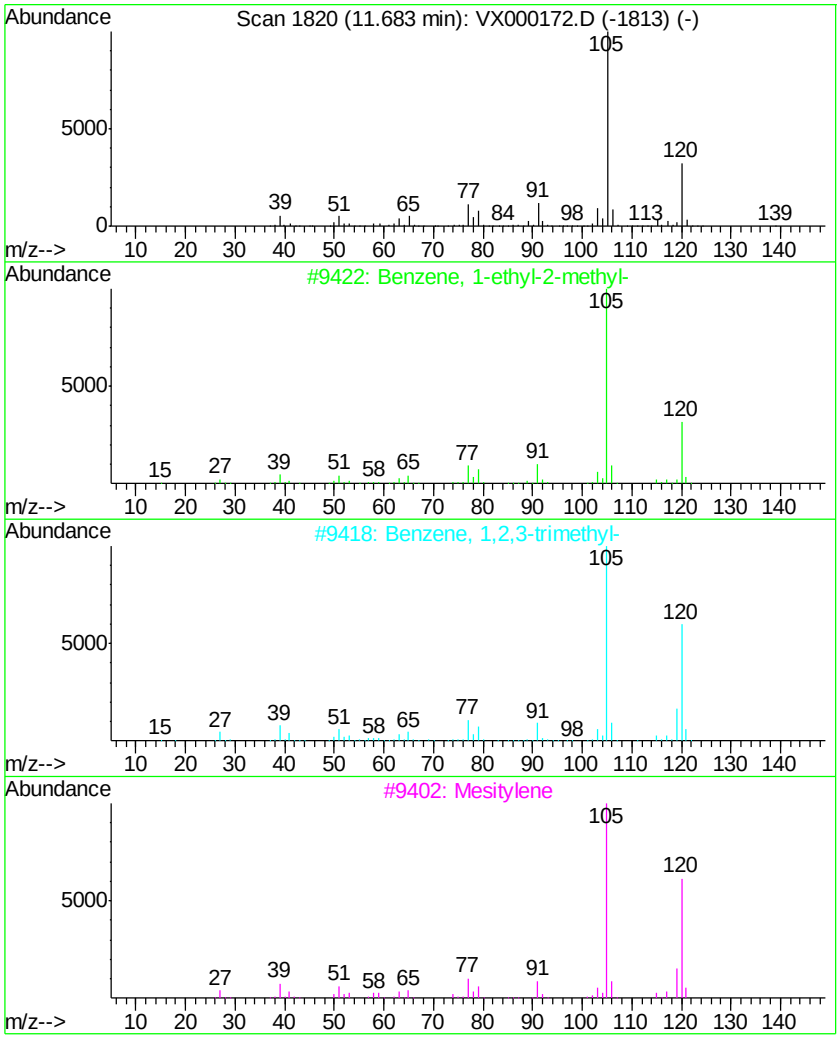
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

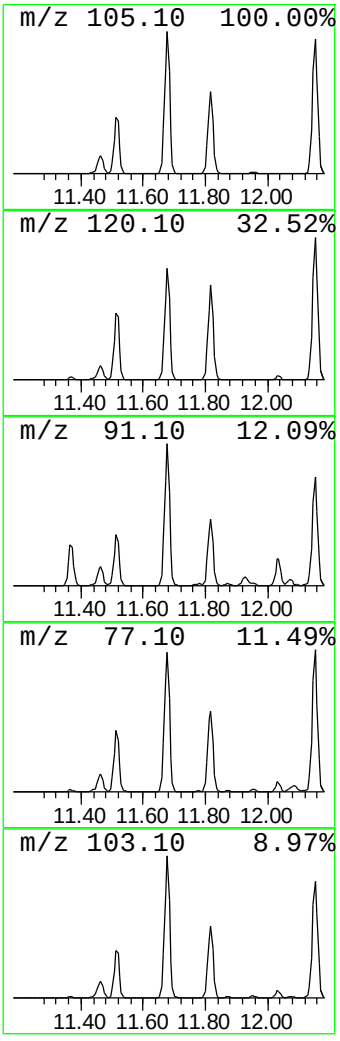
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	183.64 ug/l	1905050	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

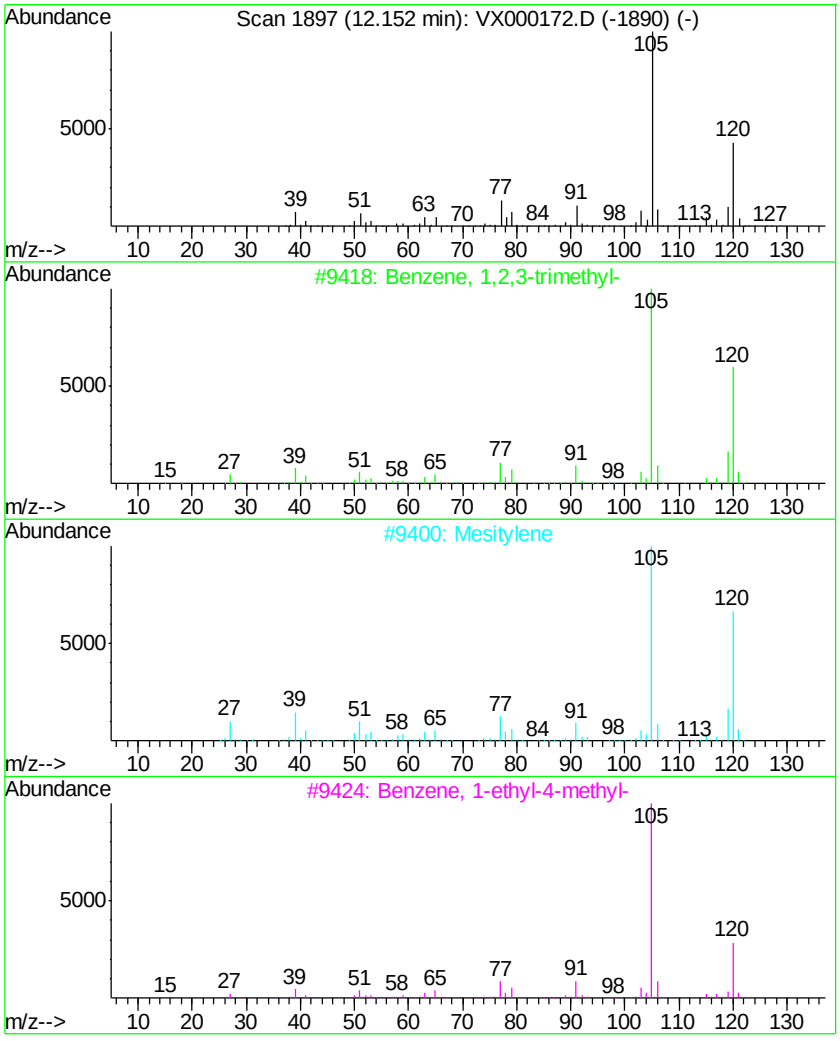
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

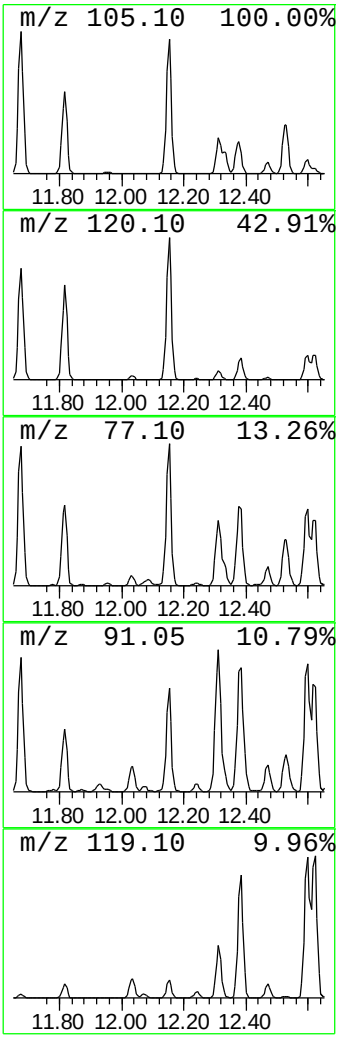
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	190.62 ug/l	1977480	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

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

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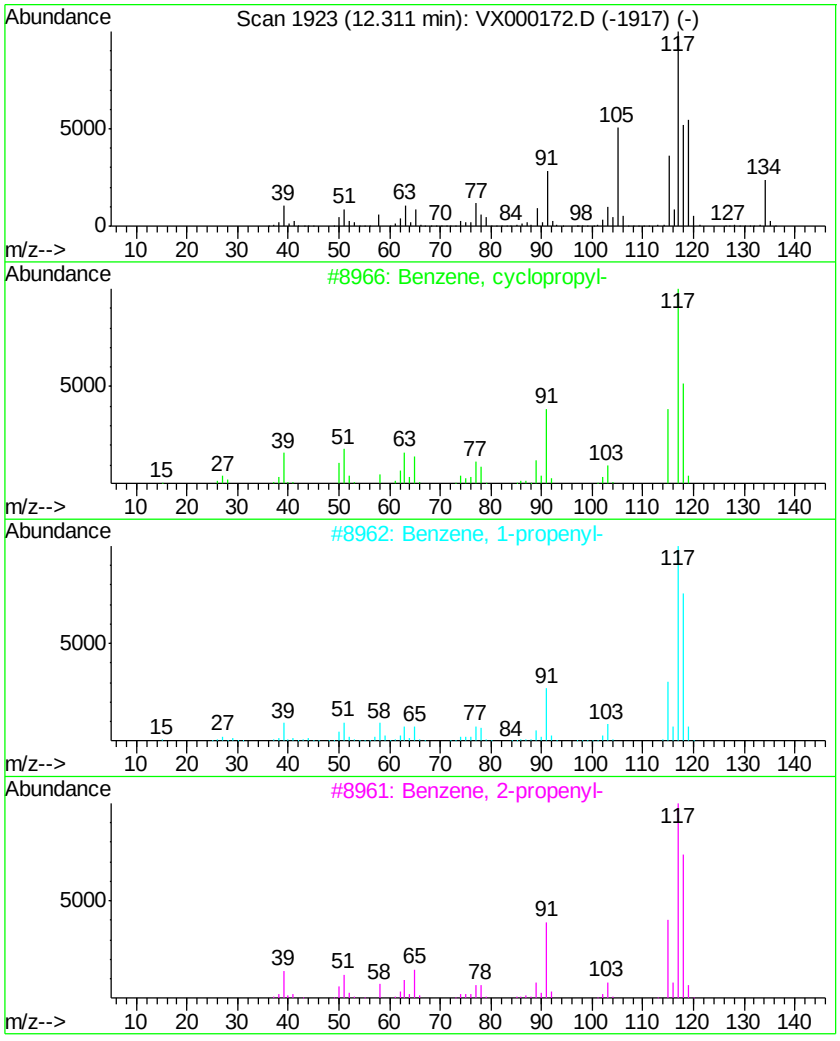
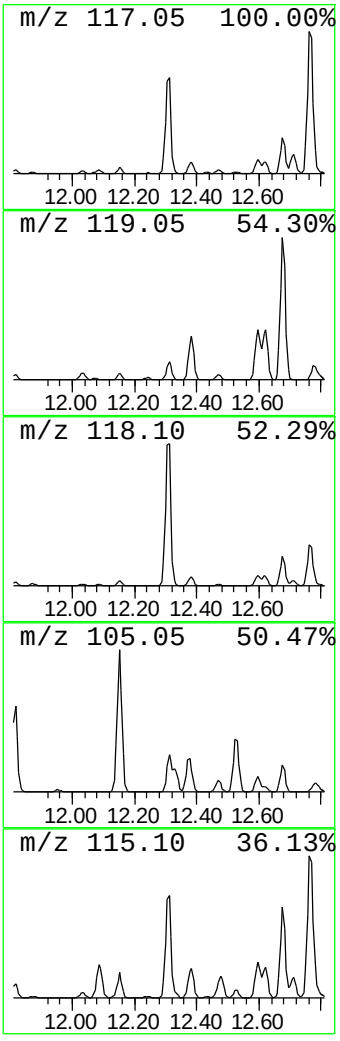
Peak Number 3 Benzene, cyclopropyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	210.19 ug/l	2180440	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
4	Indane	118	C9H10	000496-11-7	53
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

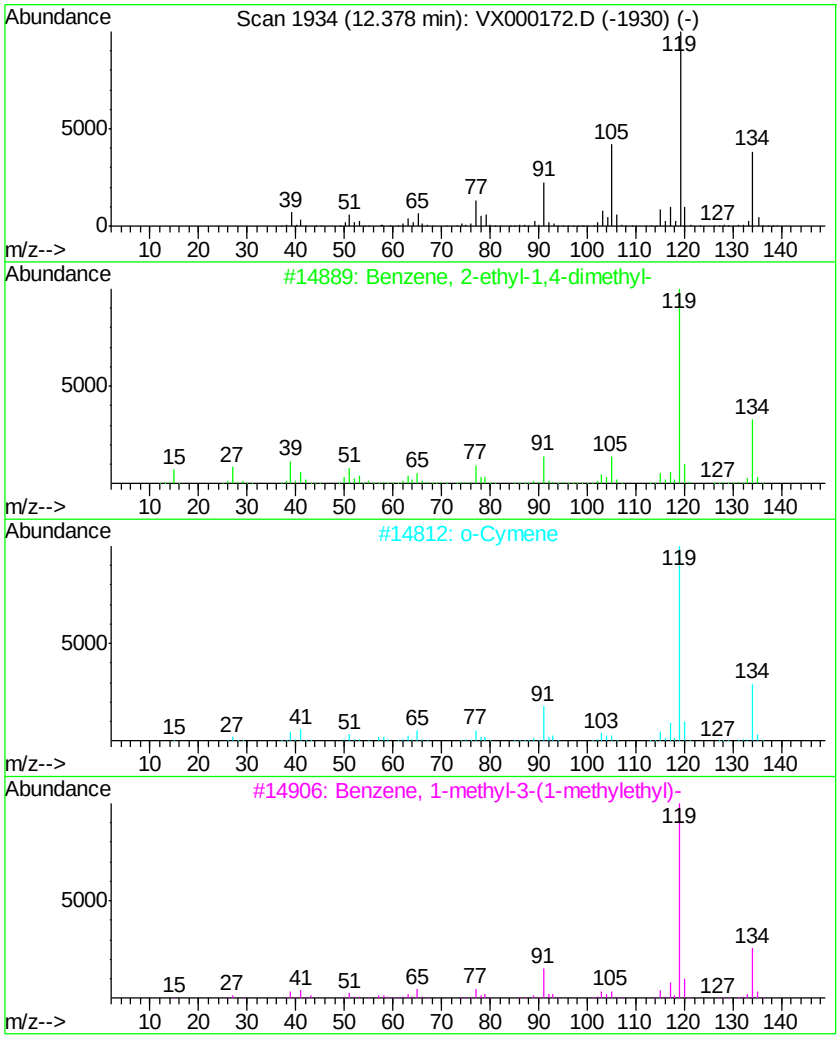
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

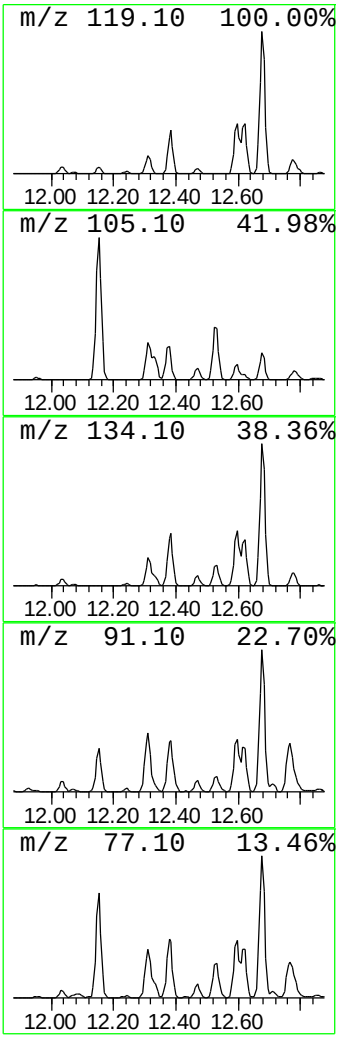
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	151.92 ug/l	1575950	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93





Library Search Compound Report

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
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Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

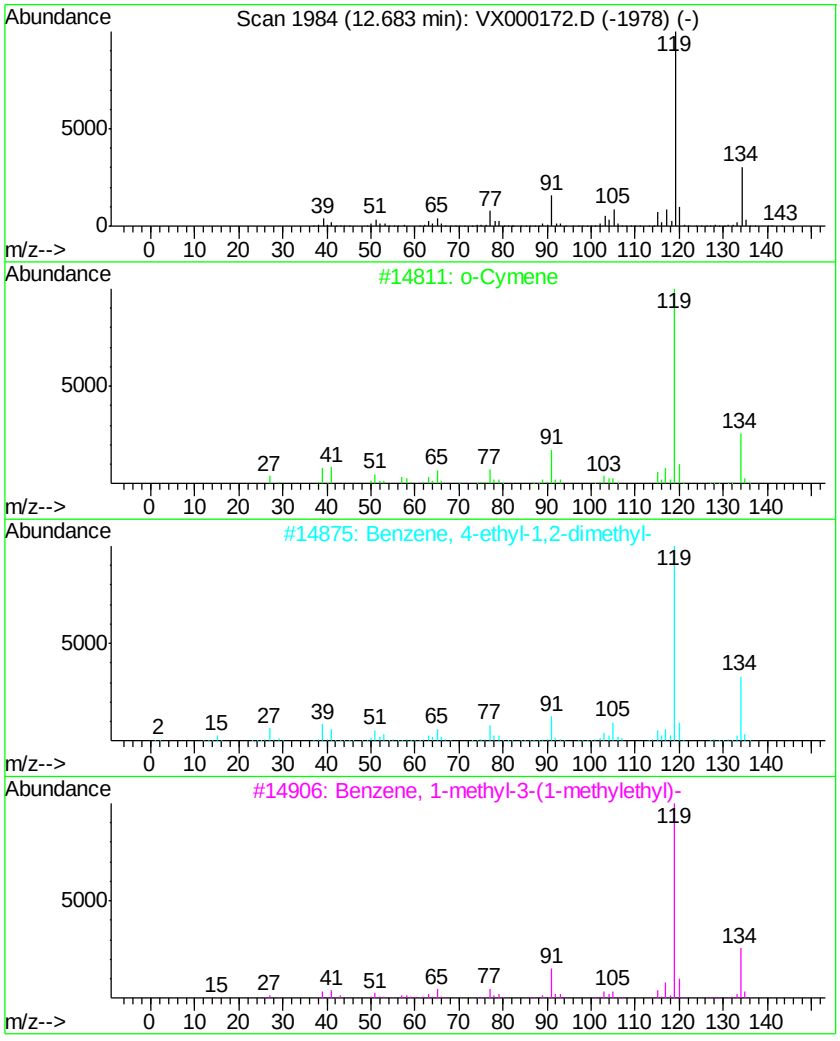
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

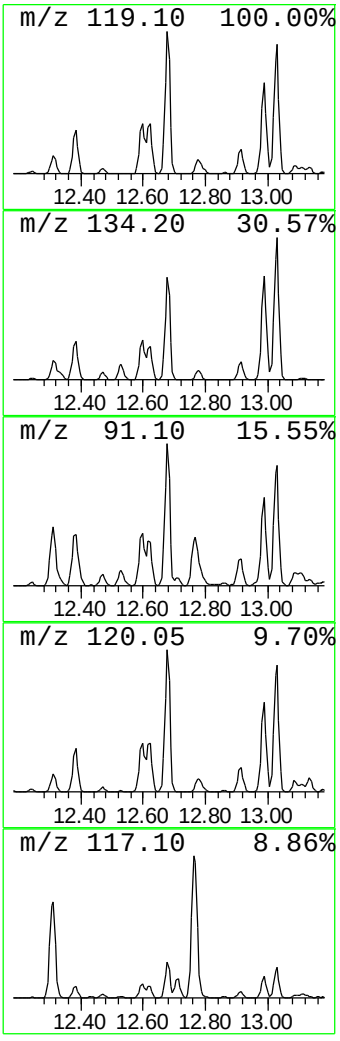
****

Peak Number 6 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	367.82 ug/l	3815770	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

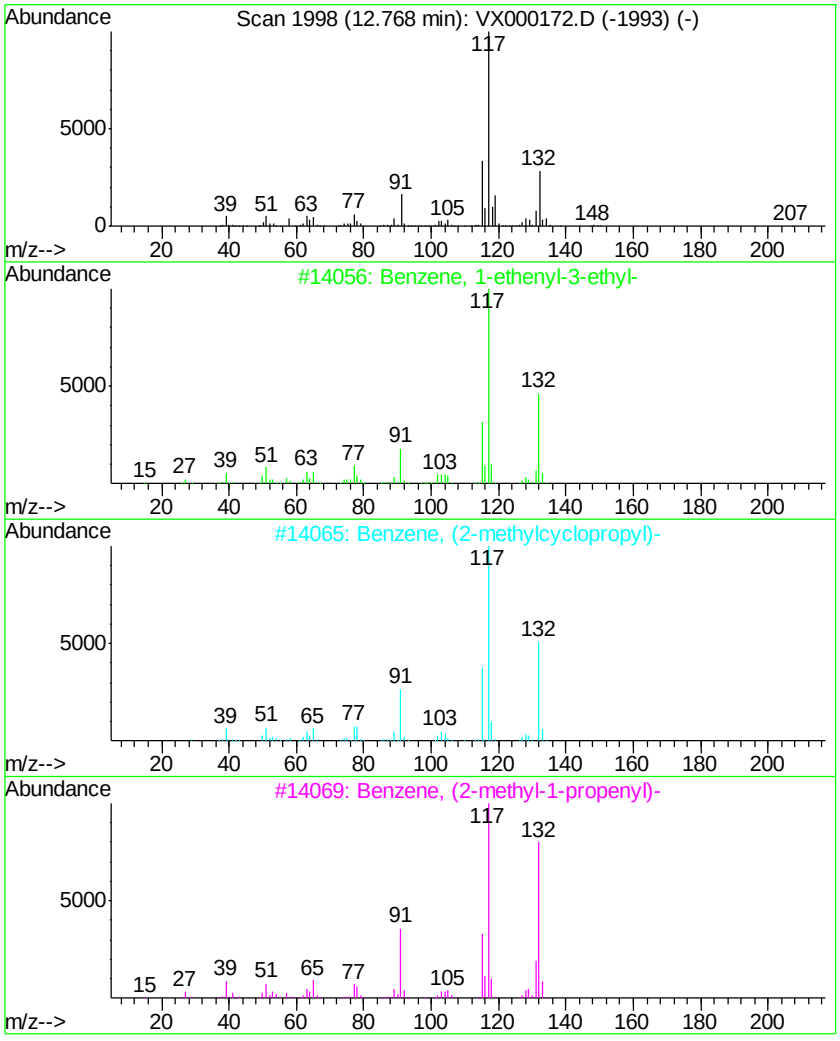
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

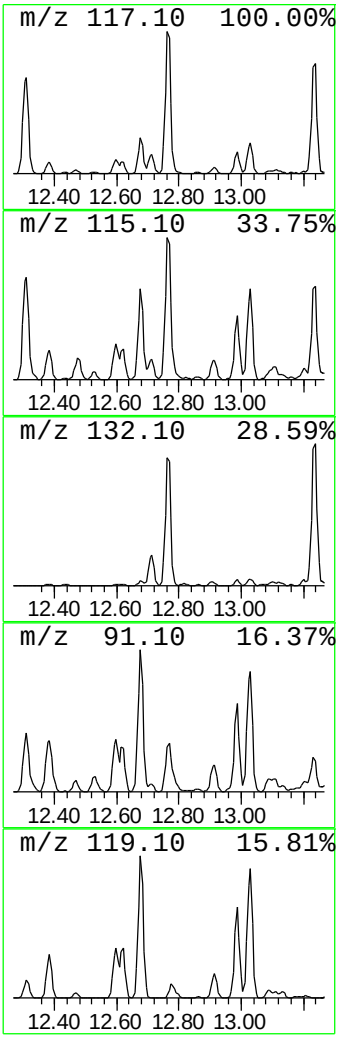
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	212.31 ug/l	2202430	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	81
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	74





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

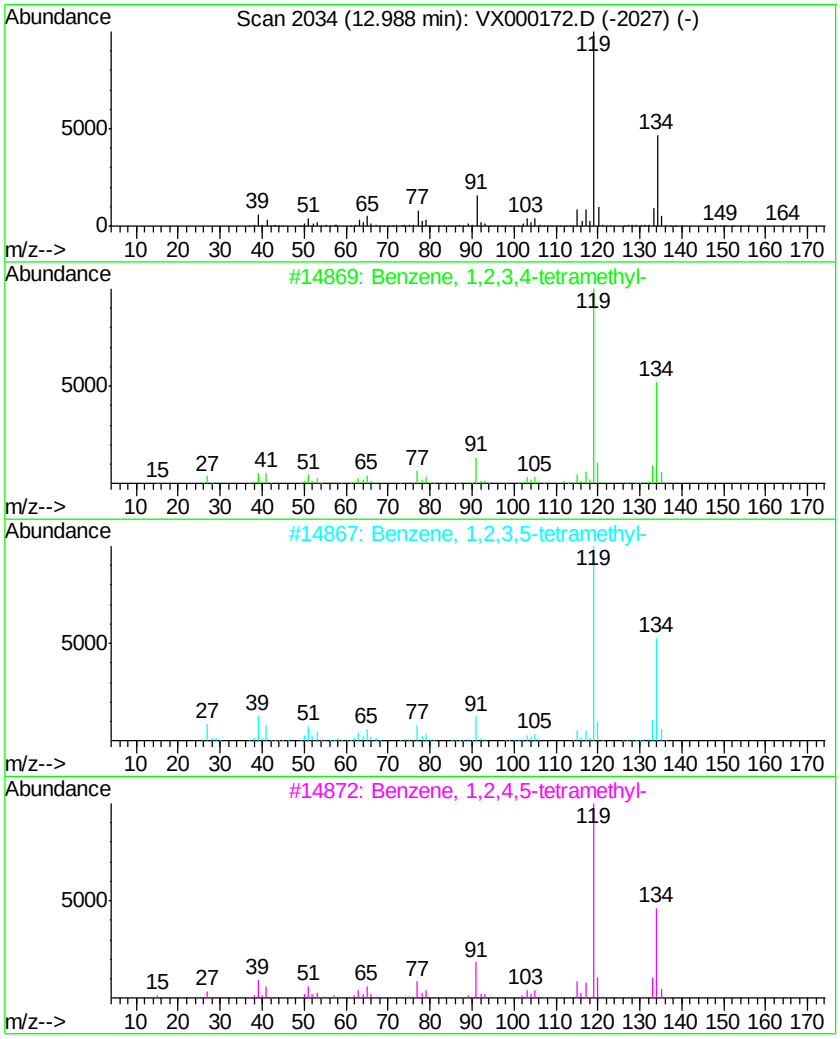
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

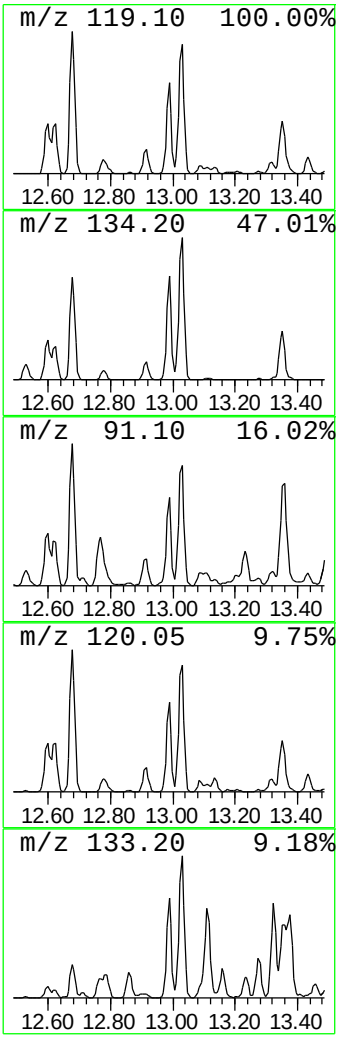
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	259.56 ug/l	2692610	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260

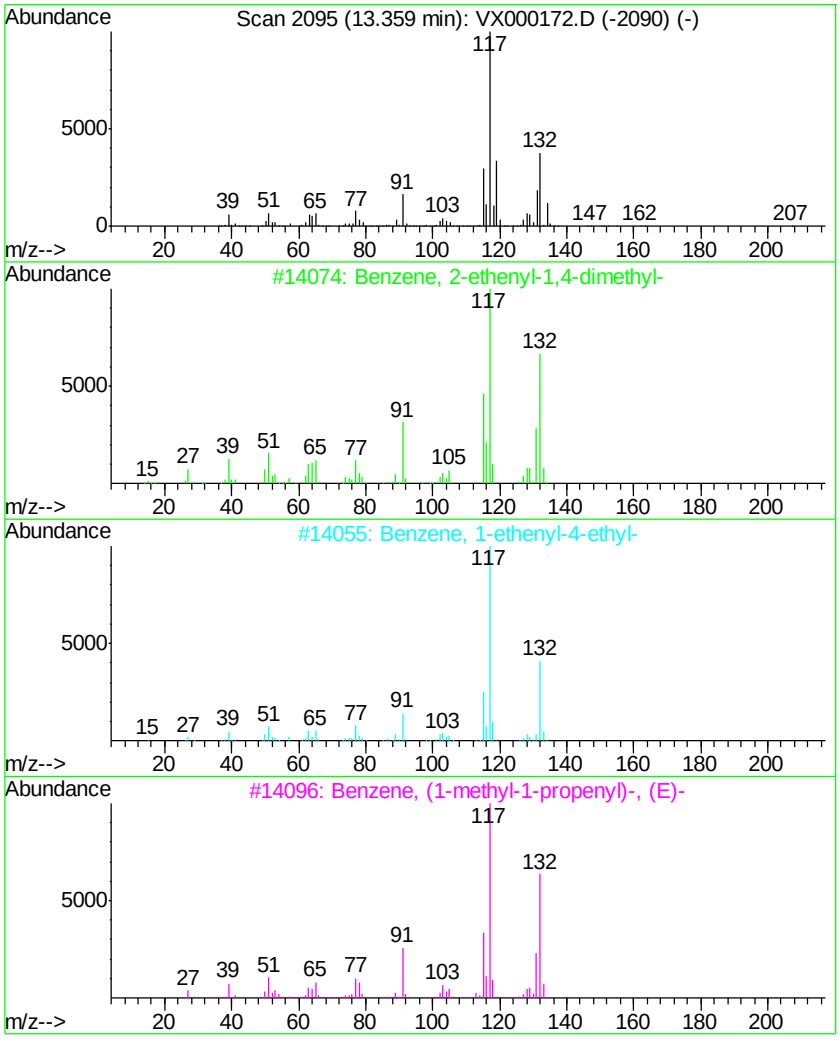
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

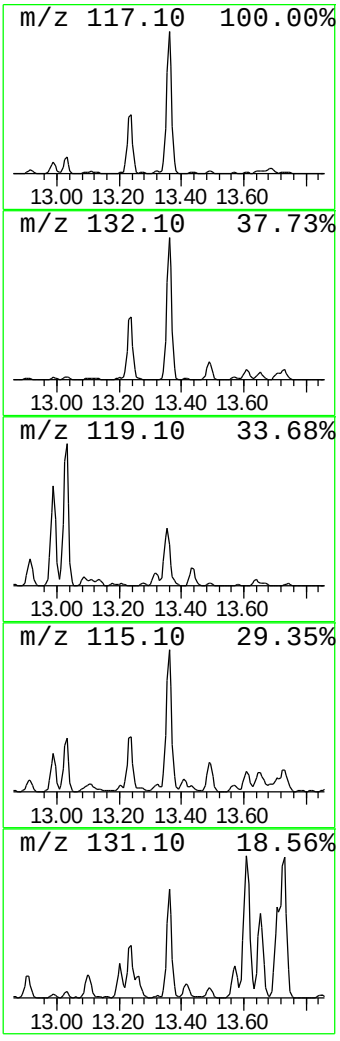
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	478.97 ug/l	4968830	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	81
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	81





Tentatively Identified Compound (LSC) summary

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022818\
Data File : VX000172.D
Acq On : 28 Feb 2018 17:28
Operator : JC/MD
Sample : J1683-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RFK-RMAB-MW10-GW

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.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-...	11.68	183.6	ug/l	1905050	4	12.09	518695	50.0
Benzene, 1,2,3-tr...	12.15	190.6	ug/l	1977480	4	12.09	518695	50.0
Benzene, cyclopro...	12.31	210.2	ug/l	2180440	4	12.09	518695	50.0
Benzene, 2-ethyl-...	12.38	151.9	ug/l	1575950	4	12.09	518695	50.0
o-Cymene	12.68	367.8	ug/l	3815770	4	12.09	518695	50.0
Benzene, 1-etheny...	12.77	212.3	ug/l	2202430	4	12.09	518695	50.0
Benzene, 1,2,3,4-...	12.99	259.6	ug/l	2692610	4	12.09	518695	50.0
Benzene, 2-etheny...	13.36	479.0	ug/l	4968830	4	12.09	518695	50.0