LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025924.D
Acq On : 07 Aug 2018 06:58
Operator : MD/SY
Sample : J4344-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

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_U\METHOD\82U072718W.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	1.088	135	155	180	rBV	242313	290930	2.03%	0.300%
2	2.748	645	671	698	rBV	178283	458719	3.20%	0.474%
3	3.002	734	750	768	rBV	184572	387876	2.71%	0.401%
4	3.307	830	845	865	rBV2	94167	199235	1.39%	0.206%
5	4.101	1073	1092	1113	rVB	317841	848180	5.92%	0.876%
6	4.889	1320	1337	1353	rBV	207819	473090	3.30%	0.489%
7	4.995	1353	1370	1387	rVV5	660994	1686006	11.77%	1.741%
8	5.085	1388	1398	1416	rVB2	75372	182975	1.28%	0.189%
9	5.227	1425	1442	1451	rBV2	115059	292821	2.04%	0.302%
10	5.313	1460	1469	1490	rVB	199941	432754	3.02%	0.447%
11	5.487	1507	1523	1533	rBV3	112112	257330	1.80%	0.266%
12	5.558	1534	1545	1556	rVV3	109419	261259	1.82%	0.270%
13	5.628	1556	1567	1592	rVB2	159494	357342	2.49%	0.369%
14	5.892	1631	1649	1681	rBV	409284	816469	5.70%	0.843%
15	6.419	1790	1813	1840	rBV	1099701	2394815	16.72%	2.473%
16	6.645	1871	1883	1899	rVB2	101567	191425	1.34%	0.198%
17	6.915	1952	1967	1990	rVB5	58947	164709	1.15%	0.170%
18	7.535	2145	2160	2161	rBV	171151	220992	1.54%	0.228%
19	7.567	2162	2170	2202	rVB	818451	1493369	10.42%	1.542%
20	7.712	2202	2215	2229	rBV2	85262	207428	1.45%	0.214%
21	7.921	2268	2280	2301	rVB	185956	333102	2.33%	0.344%
22	8.050	2304	2320	2331	rBV2	84694	157639	1.10%	0.163%
23	8.548	2466	2475	2485	rVV	149659	243954	1.70%	0.252%
24	8.609	2485	2494	2505	rVV	105018	174991	1.22%	0.181%
25	9.091	2633	2644	2663	rBV	609032	1011851	7.06%	1.045%
26	9.252	2684	2694	2711	rVB	452289	718716	5.02%	0.742%
27	9.381	2718	2734	2750	rBV	1047144	1833634	12.80%	1.894%
28	10.169	2968	2979	3011	rVB	705264	1121483	7.83%	1.158%
29	10.310	3011	3023	3036	rBV	651524	1029426	7.19%	1.063%
30	10.590	3098	3110	3127	rBV	1144049	1759282	12.28%	1.817%
31	10.683	3127	3139	3145	rBV	3860622	6663236	46.51%	6.881%
32	10.776	3158	3168	3188	rVB	3136096	4720018	32.95%	4.875%
33	10.976	3215	3230	3249	rBV	3324297	5182334	36.18%	5.352%
34	11.152	3273	3285	3311	rVB	9442059	14325002	100.00%	14.794%

LSC Area Percent Report

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ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Title : SW846 8260

35	11.294	3313	3329	3333	rBV	105903	186729	1.30%	0.193%
36	11.326	3333	3339	3356	rVB	283506	442312	3.09%	0.457%
37	11.429	3356	3371	3379	rBV	620316	964084	6.73%	0.996%
38	11.484	3379	3388	3402	rVB3	1152152	1873506	13.08%	1.935%
39	11.574	3403	3416	3433	rBV	3977858	6062274	42.32%	6.261%
40	11.693	3441	3453	3464	rVB	155395	244694	1.71%	0.253%
41	11.779	3464	3480	3485	rBV4	731518	1434266	10.01%	1.481%
42	11.812	3485	3490	3499	rVV	921519	1330146	9.29%	1.374%
43	11.876	3499	3510	3528	rVB3	1253437	2420536	16.90%	2.500%
44	11.985	3532	3544	3555	rBV	360423	566453	3.95%	0.585%
45	12.059	3555	3567	3581	rBV	985431	1479947	10.33%	1.528%
46	12.149	3582	3595	3599	rBV	982869	1449840	10.12%	1.497%
47	12.178	3599	3604	3614	rVV	1200908	1750911	12.22%	1.808%
48	12.255	3617	3628	3635	rVV	1159719	1776884	12.40%	1.835%
49	12.291	3635	3639	3650	rVB2	320123	433310	3.02%	0.447%
50	12.358	3650	3660	3691	rBV4	672070	2071242	14.46%	2.139%
51	12.496	3691	3703	3710	rBV3	182434	309196	2.16%	0.319%
52	12.554	3710	3721	3733	rVB2	859002	1506656	10.52%	1.556%
53	12.654	3733	3752	3759	rBV	1021005	1676279	11.70%	1.731%
54	12.705	3759	3768	3784	rVB	1669675	2546150	17.77%	2.630%
55	12.792	3784	3795	3801	rBV3	226157	361542	2.52%	0.373%
56	12.930	3831	3838	3843	rBV3	109576	176160	1.23%	0.182%
57	12.966	3843	3849	3857	rVB	312115	440542	3.08%	0.455%
58	13.085	3877	3886	3888	rBV2	159645	205055	1.43%	0.212%
59	13.123	3888	3898	3914	rVB2	2364556	3840232	26.81%	3.966%
60	13.291	3940	3950	3962	rVB	757139	1180386	8.24%	1.219%
61	13.410	3977	3987	3994	rBV	129945	215948	1.51%	0.223%
62	13.458	3995	4002	4009	rVB	116593	165410	1.15%	0.171%
63	13.512	4009	4019	4026	rBV3	393765	674646	4.71%	0.697%
64	13.612	4045	4050	4056	rVB	142144	159339	1.11%	0.165%
65	13.744	4072	4091	4100	rBV	742868	1259346	8.79%	1.301%
66	13.789	4100	4105	4117	rVB	140987	213754	1.49%	0.221%
67	13.856	4117	4126	4135	rBV2	103980	170135	1.19%	0.176%
68	13.959	4141	4158	4169	rBV6	146174	357696	2.50%	0.369%
69	14.155	4209	4219	4224	rBV	82893	144159	1.01%	0.149%
70	14.352	4265	4280	4294	rBV4	231338	548300	3.83%	0.566%
71	14.545	4331	4340	4352	rVB5	81955	155410	1.08%	0.160%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Title : SW846 8260

72	14.680	4371	4382	4401	rBV2	216730	397186	2.77%	0.410%
73	14.879	4432	4444	4455	rBV	1446682	2311260	16.13%	2.387%
74	15.065	4490	4502	4516	rBV	963230	1556594	10.87%	1.608%
75	15.609	4653	4671	4684	rBV2	64796	146893	1.03%	0.152%
76	15.917	4756	4767	4793	rBV	131985	261545	1.83%	0.270%
77	16.062	4802	4812	4819	rBV	184916	294639	2.06%	0.304%
78	16.101	4819	4824	4839	rVB2	115964	175891	1.23%	0.182%

Sum of corrected areas: 96829875

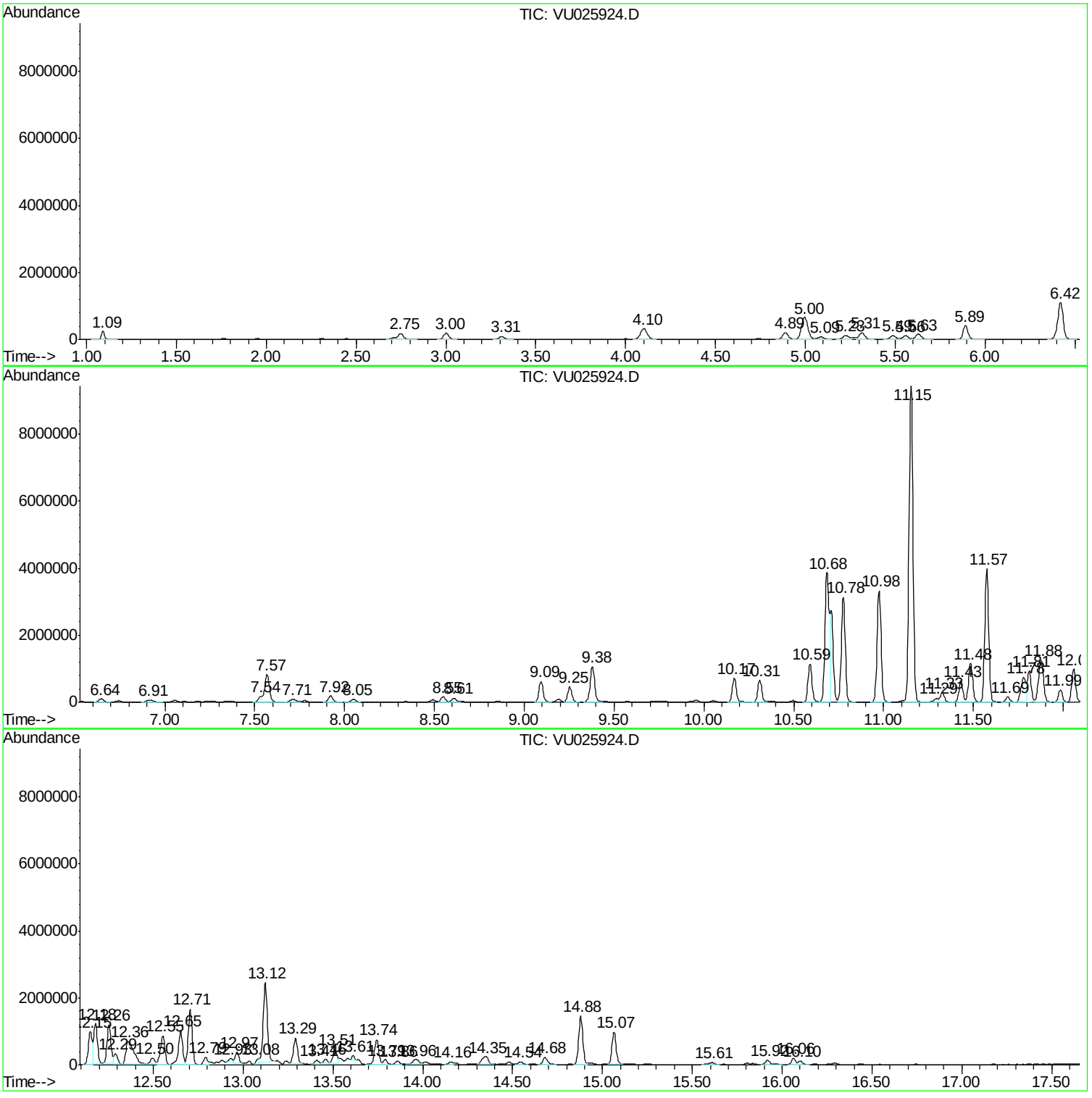
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025924.D
Acq On : 07 Aug 2018 06:58
Operator : MD/SY
Sample : J4344-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025924.D
Acq On : 07 Aug 2018 06:58
Operator : MD/SY
Sample : J4344-13
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ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

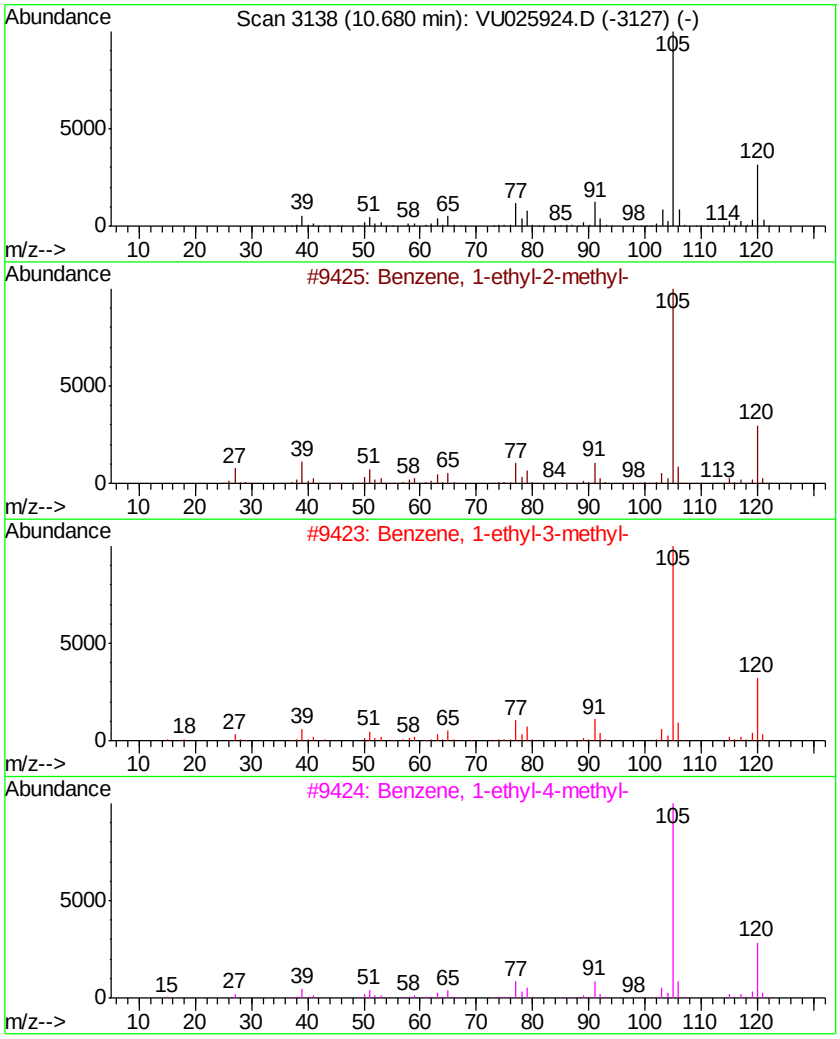
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

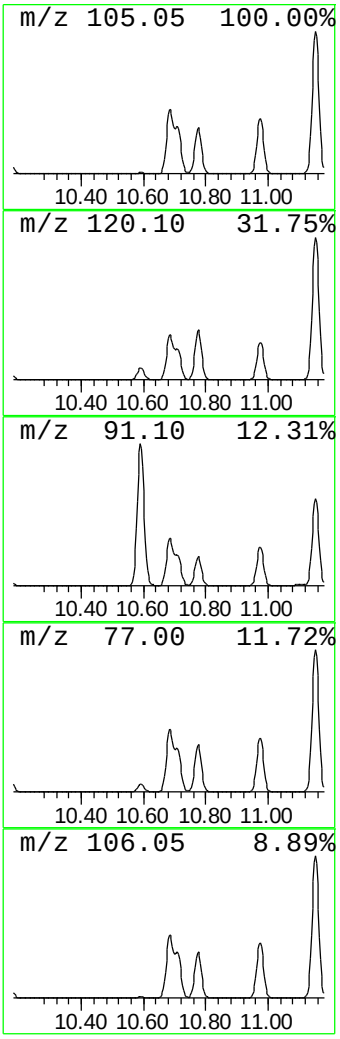
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	177.83 ug/l	6663240	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025924.D
Acq On : 07 Aug 2018 06:58
Operator : MD/SY
Sample : J4344-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

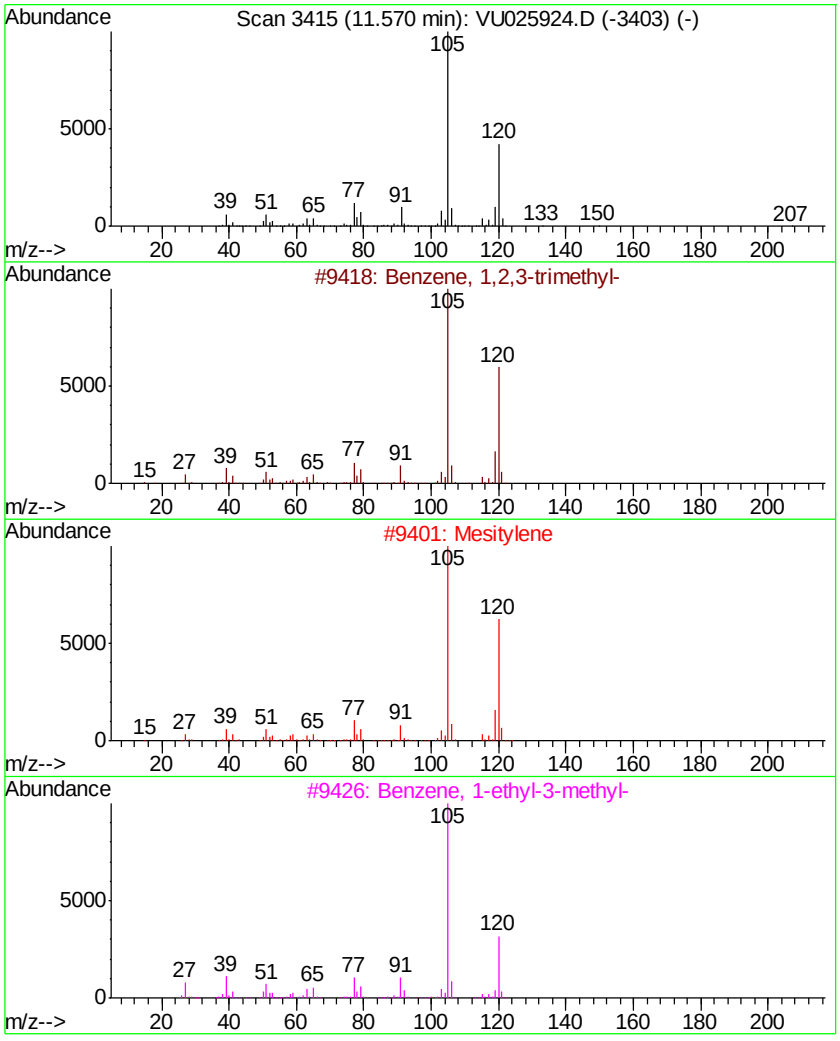
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

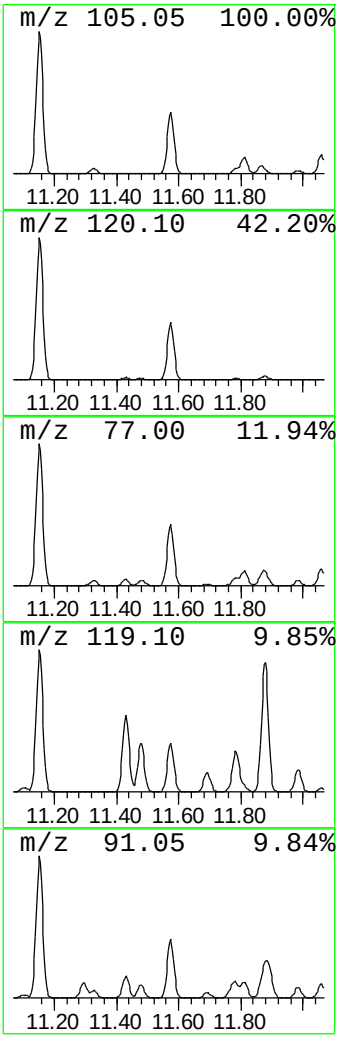
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	161.79 ug/l	6062270	1,4-Dichlorobenzene-d4	11.49

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	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025924.D
Acq On : 07 Aug 2018 06:58
Operator : MD/SY
Sample : J4344-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

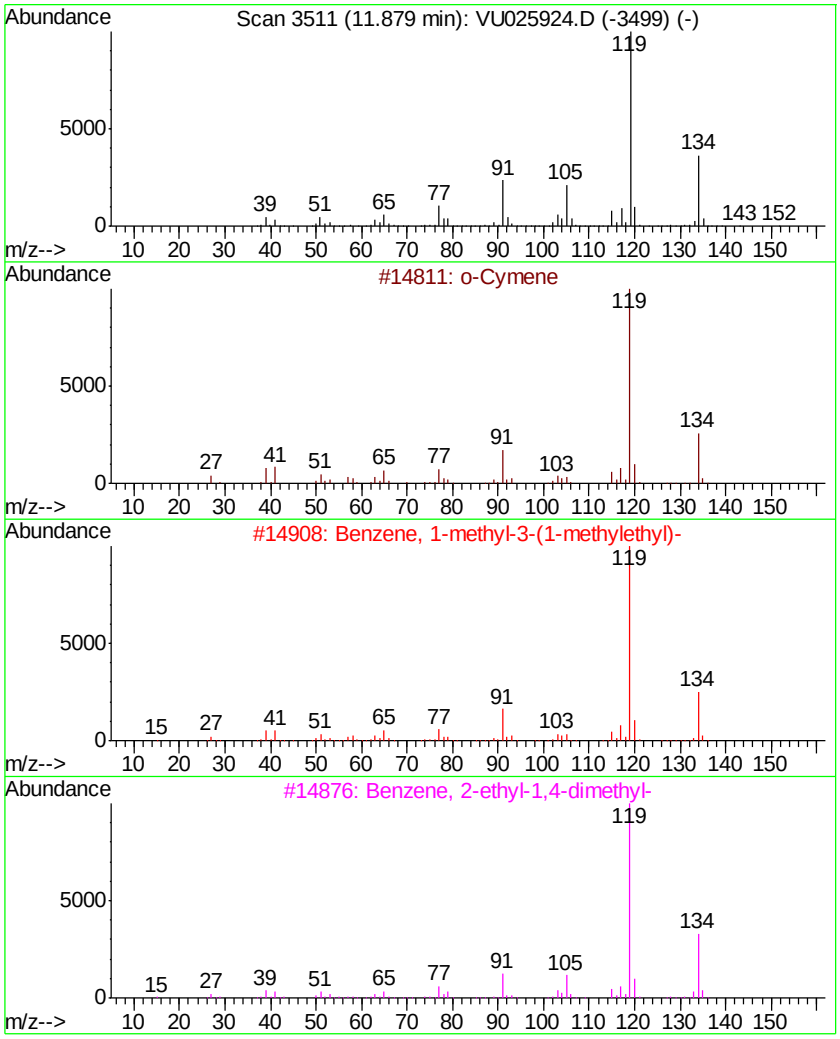
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

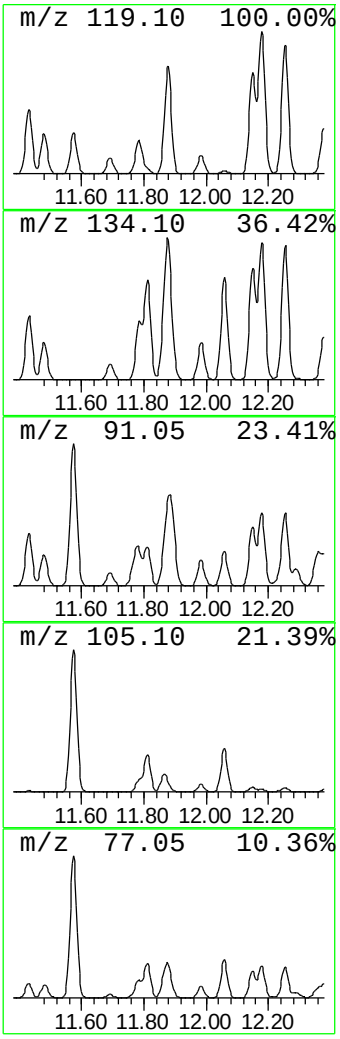
****

Peak Number 4 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	64.60 ug/l	2420540	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

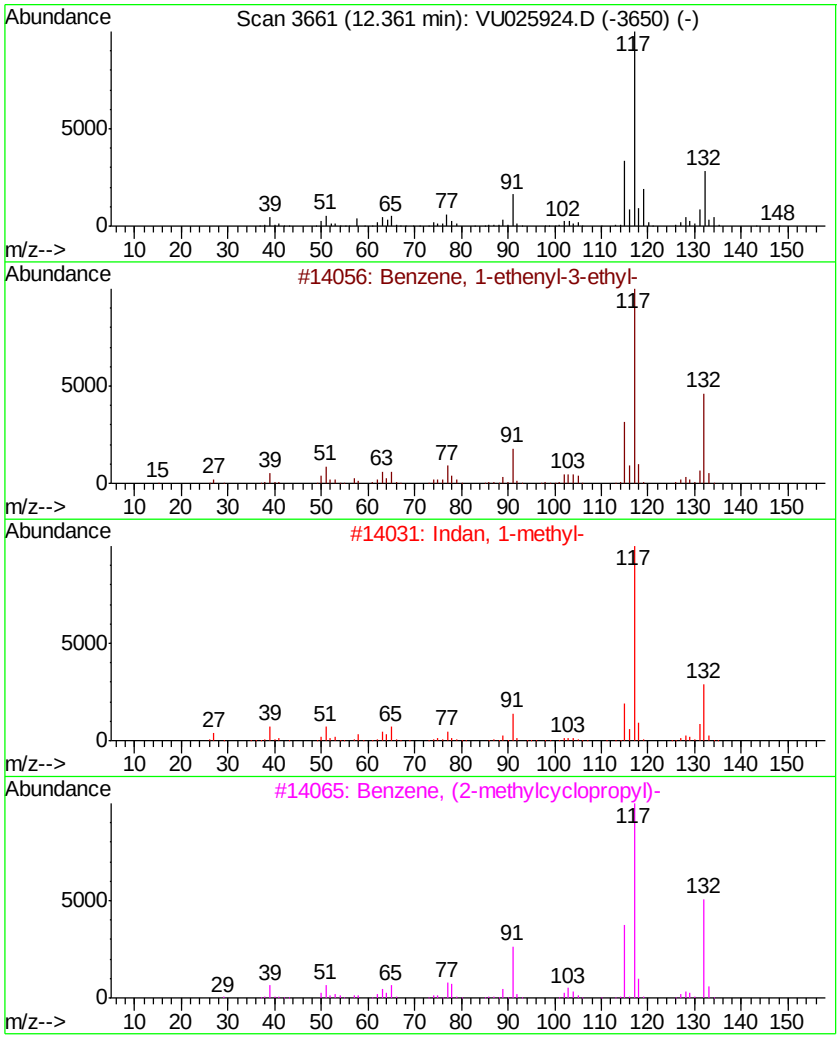
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

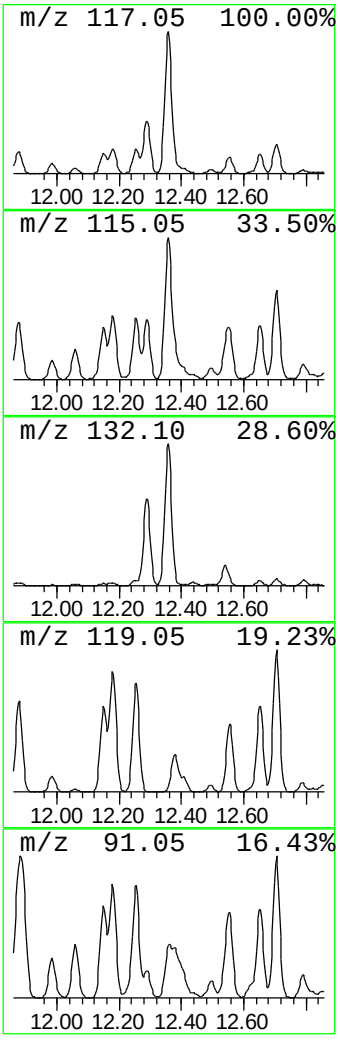
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	55.28 ug/l	2071240	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83





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Sample : J4344-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

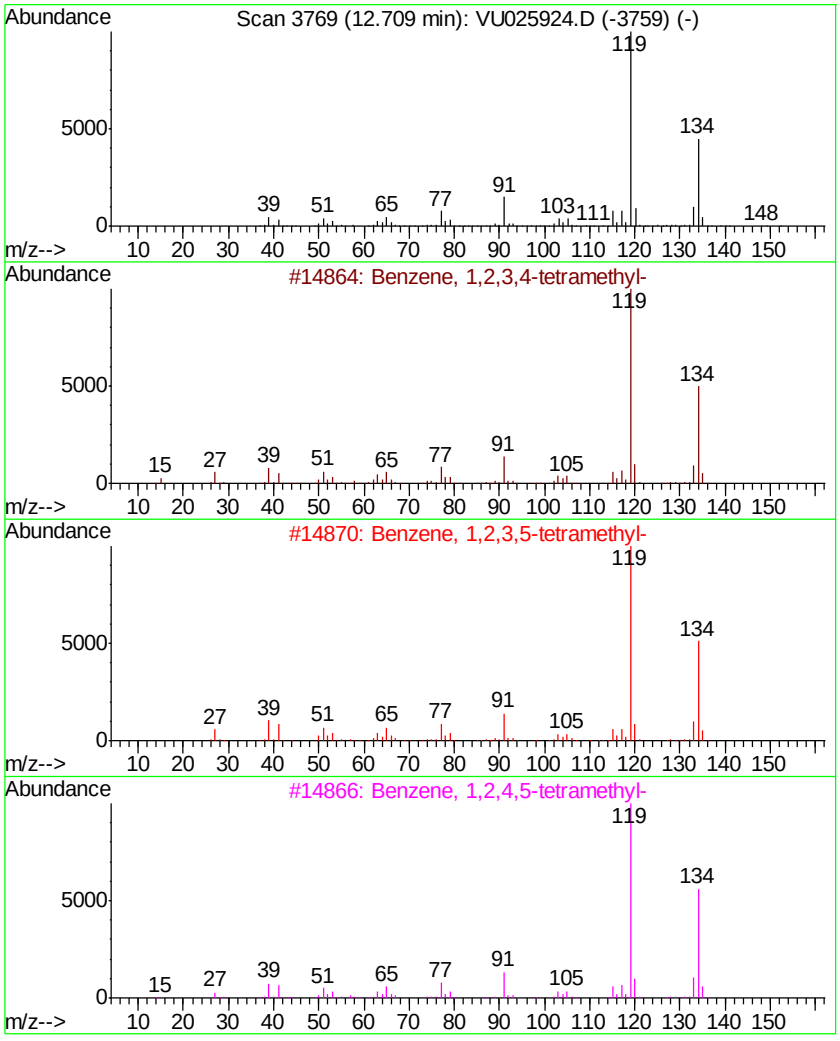
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

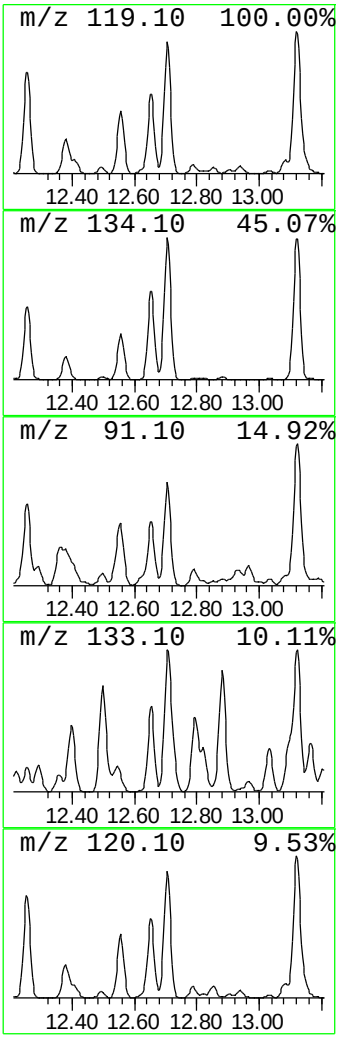
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	67.95 ug/l	2546150	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





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Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

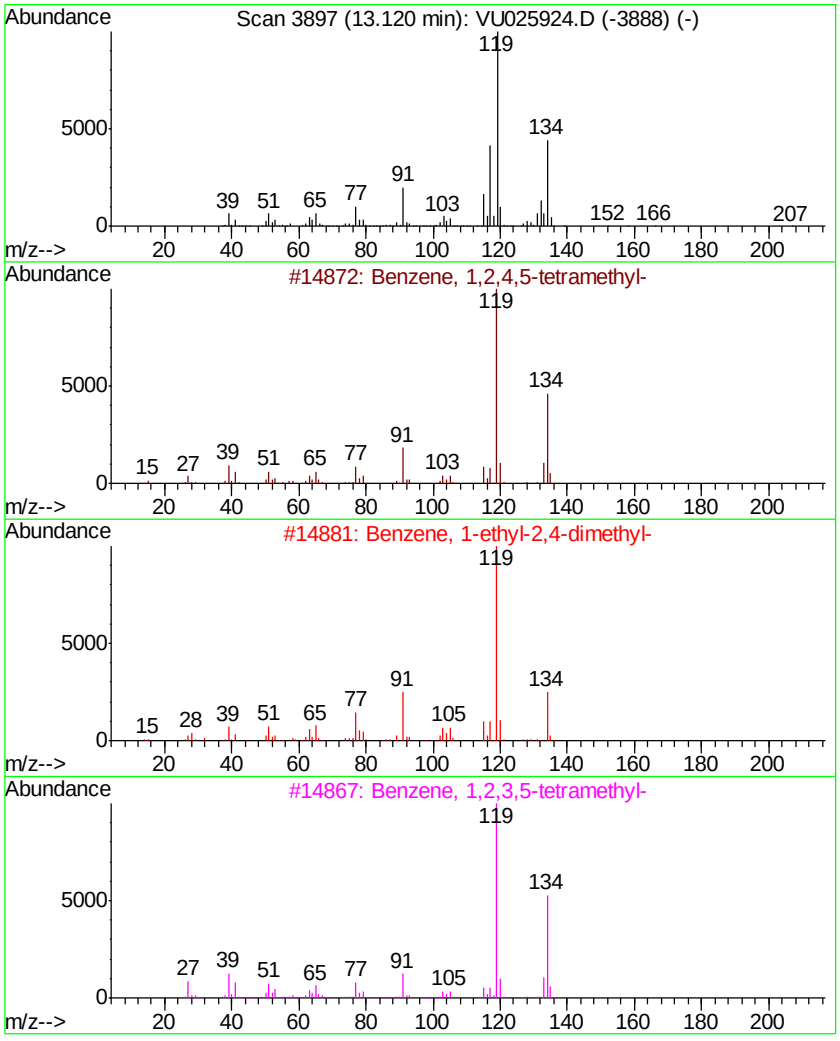
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

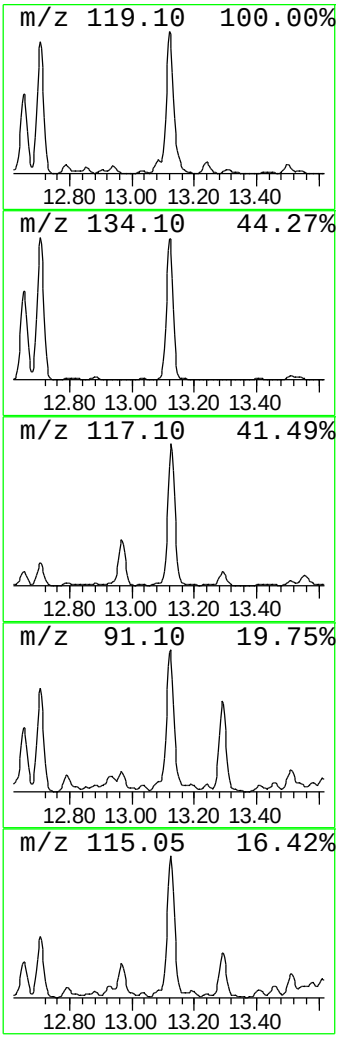
****

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	102.49 ug/l	3840230	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025924.D
Acq On : 07 Aug 2018 06:58
Operator : MD/SY
Sample : J4344-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260

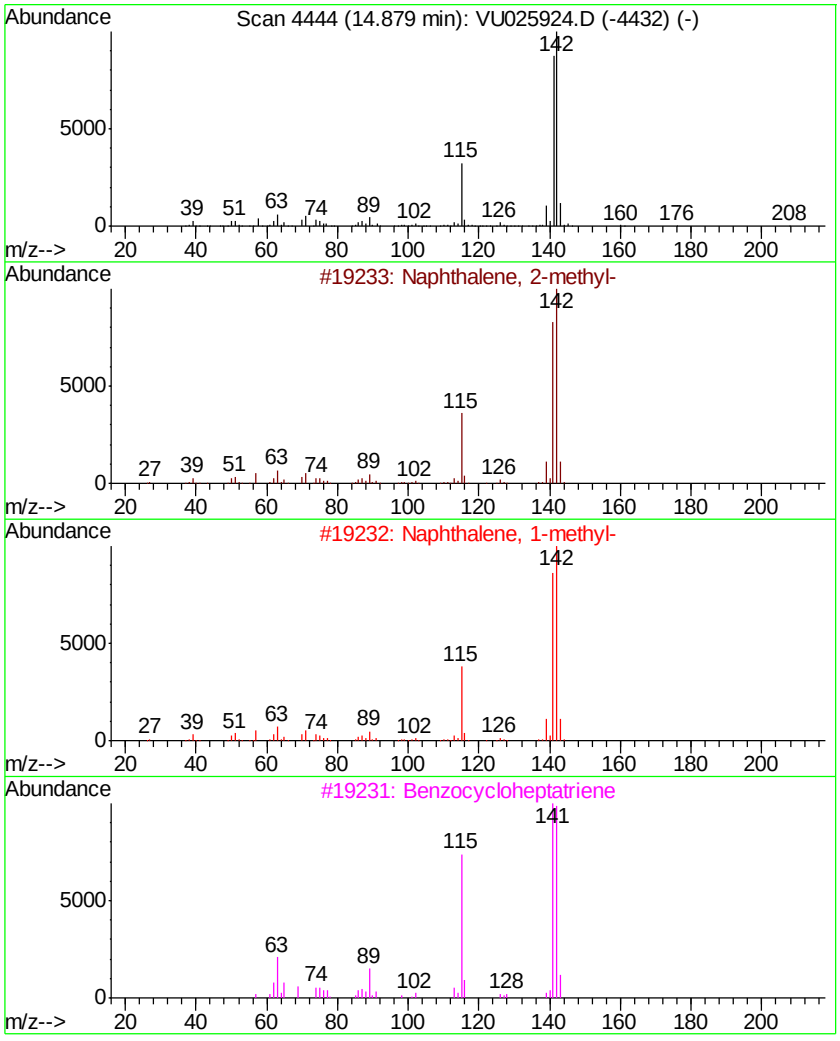
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

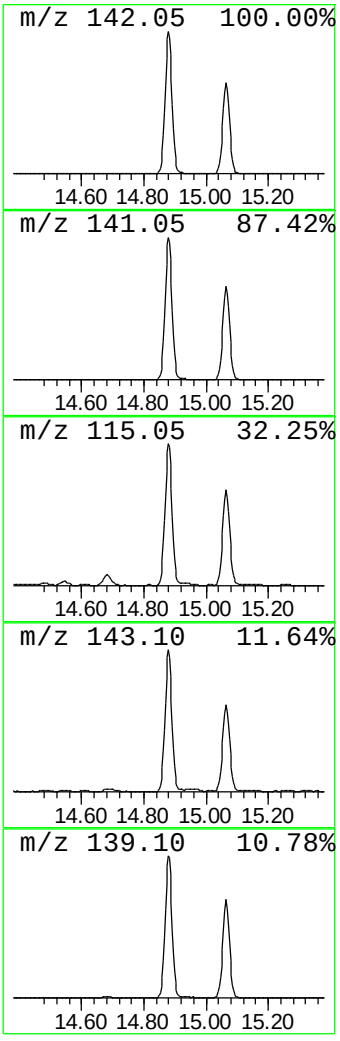
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	61.68 ug/l	2311260	1,4-Dichlorobenzene-d4	11.49

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	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Data File : VU025924.D
Acq On : 07 Aug 2018 06:58
Operator : MD/SY
Sample : J4344-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : FL-0532

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.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-...	10.68	177.8	ug/l	6663240	4	11.49	1873510	50.0
Benzene, 1,2,3-tr...	11.57	161.8	ug/l	6062270	4	11.49	1873510	50.0
o-Cymene	11.88	64.6	ug/l	2420540	4	11.49	1873510	50.0
Benzene, 1-etheny...	12.36	55.3	ug/l	2071240	4	11.49	1873510	50.0
Benzene, 1,2,3,4-...	12.71	68.0	ug/l	2546150	4	11.49	1873510	50.0
Benzene, 1,2,4,5-...	13.12	102.5	ug/l	3840230	4	11.49	1873510	50.0
Naphthalene, 1-me...	14.88	61.7	ug/l	2311260	4	11.49	1873510	50.0