LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

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\82U100118W.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	2.325	347	358	379	rBV	53078	85754	1.14%	0.245%
2	2.447	385	396	418	rBV	52618	96276	1.28%	0.275%
3	4.887	1139	1155	1171	rBV2	107779	244726	3.26%	0.698%
4	4.987	1171	1186	1213	rVV	179936	403712	5.38%	1.152%
5	5.312	1272	1287	1318	rBV	134100	290959	3.87%	0.830%
6	5.890	1451	1467	1507	rBV	277459	561018	7.47%	1.601%
7	7.569	1967	1989	2019	rBV	436661	807018	10.75%	2.303%
8	9.090	2451	2462	2479	rBV	381891	633603	8.44%	1.808%
9	9.250	2502	2512	2526	rVB	160870	266506	3.55%	0.760%
10	9.379	2526	2552	2567	rBV	281997	561225	7.47%	1.601%
11	9.723	2642	2659	2677	rBV7	66078	209969	2.80%	0.599%
12	9.954	2710	2731	2742	rBV3	115393	245220	3.27%	0.700%
13	10.048	2749	2760	2770	rBV4	93047	183168	2.44%	0.523%
14	10.167	2786	2797	2808	rBV	668580	1036569	13.80%	2.958%
15	10.308	2831	2841	2854	rVB	309475	494257	6.58%	1.410%
16	10.376	2854	2862	2872	rBV2	51100	80415	1.07%	0.229%
17	10.491	2890	2898	2910	rVB3	106128	179783	2.39%	0.513%
18	10.588	2917	2928	2939	rBV	1090956	1655066	22.04%	4.722%
19	10.684	2947	2958	2960	rBV	481236	640890	8.53%	1.829%
20	10.707	2961	2965	2975	rVV	654099	894222	11.91%	2.552%
21	10.771	2975	2985	3007	rVB	985004	1586453	21.12%	4.527%
22	10.980	3039	3050	3068	rVB5	59809	144055	1.92%	0.411%
23	11.102	3074	3088	3092	rBV	114635	186948	2.49%	0.533%
24	11.151	3092	3103	3128	rVB	4985730	7509997	100.00%	21.429%
25	11.292	3131	3147	3151	rBV	158467	276199	3.68%	0.788%
26	11.324	3151	3157	3172	rVB	347783	554258	7.38%	1.581%
27	11.427	3173	3189	3197	rBV	221752	375813	5.00%	1.072%
28	11.482	3197	3206	3219	rVB3	493575	786871	10.48%	2.245%
29	11.572	3222	3234	3257	rVB	1180281	1809878	24.10%	5.164%
30	11.688	3259	3270	3282	rVB	127972	213970	2.85%	0.611%
31	11.771	3283	3296	3304	rBV3	881579	1762689	23.47%	5.030%
32	11.874	3316	3328	3346	rVB4	610340	1410732	18.78%	4.025%
33	11.980	3351	3361	3374	rBV	158350	255126	3.40%	0.728%
34	12.147	3402	3413	3417	rBV	345772	510176	6.79%	1.456%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

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\82U100118W.M
Title : SW846 8260

35	12.176	3418	3422	3432	rVV	381211	511356	6.81%	1.459%
36	12.250	3433	3445	3452	rVV	760425	1168805	15.56%	3.335%
37	12.286	3452	3456	3467	rVB	278477	393966	5.25%	1.124%
38	12.356	3467	3478	3499	rBV2	494788	1225532	16.32%	3.497%
39	12.495	3512	3521	3527	rBV4	55389	92664	1.23%	0.264%
40	12.546	3528	3537	3550	rVB3	220058	427299	5.69%	1.219%
41	12.649	3550	3569	3577	rBV	368279	653555	8.70%	1.865%
42	12.704	3577	3586	3602	rVB	614359	966118	12.86%	2.757%
43	12.787	3603	3612	3627	rBV2	82385	159098	2.12%	0.454%
44	12.964	3661	3667	3674	rVB	81857	106928	1.42%	0.305%
45	13.122	3706	3716	3730	rVV2	643646	1016100	13.53%	2.899%
46	13.289	3758	3768	3796	rVB	371999	608685	8.10%	1.737%
47	13.511	3828	3837	3844	rBV4	59649	97736	1.30%	0.279%
48	13.610	3863	3868	3891	rVB2	43463	87155	1.16%	0.249%
49	13.742	3897	3909	3920	rBV	354541	578125	7.70%	1.650%

Sum of corrected areas: 35046643

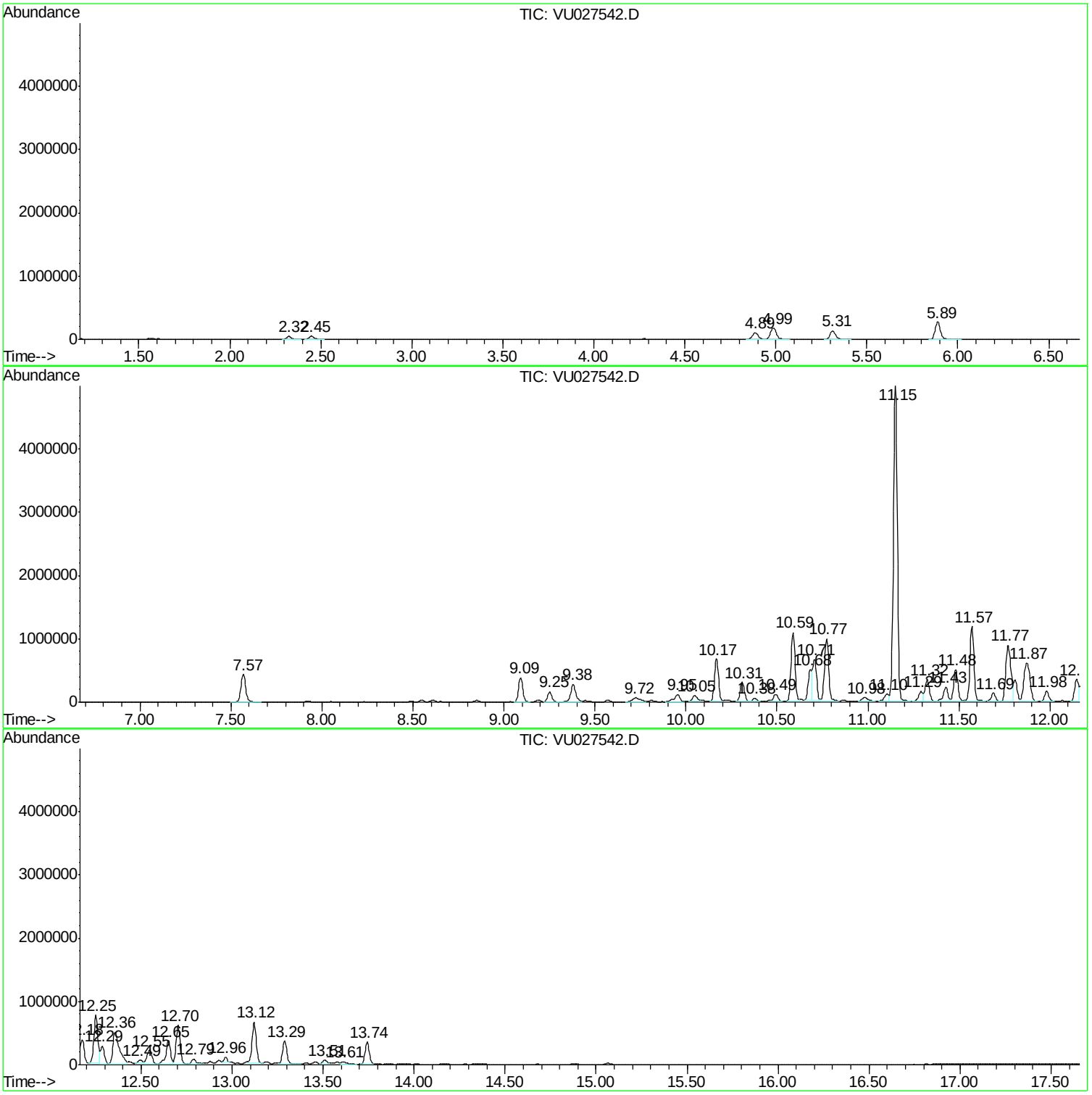
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

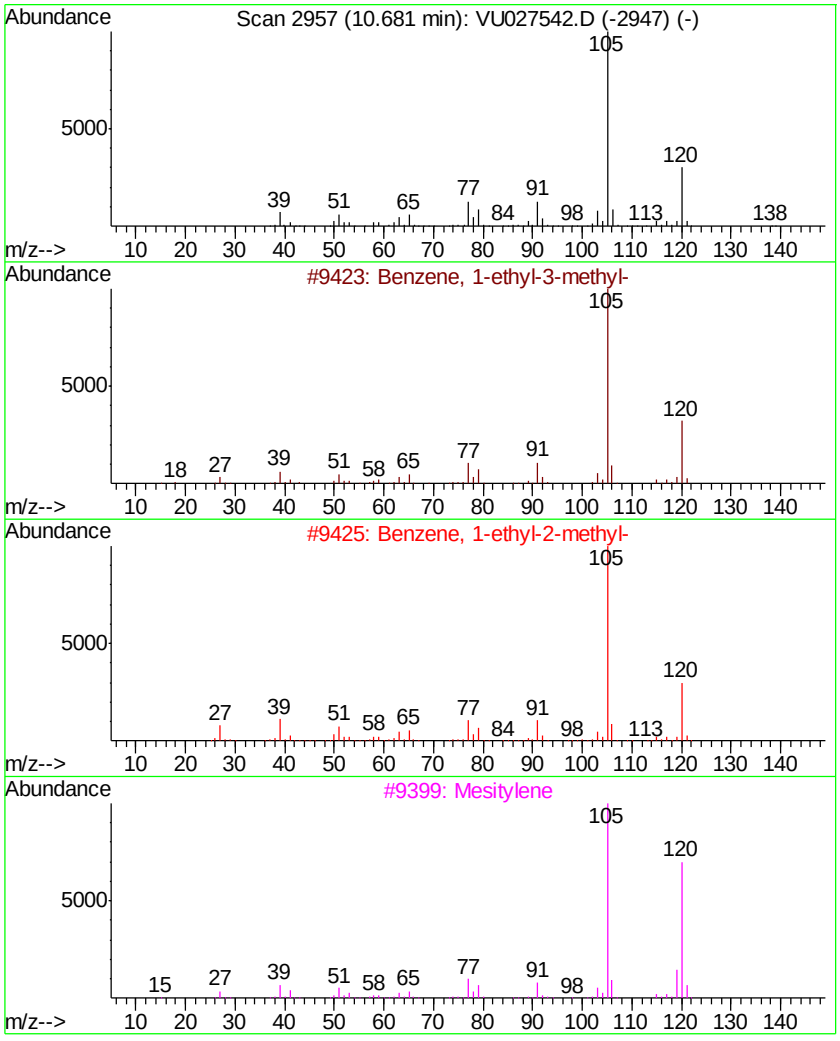
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

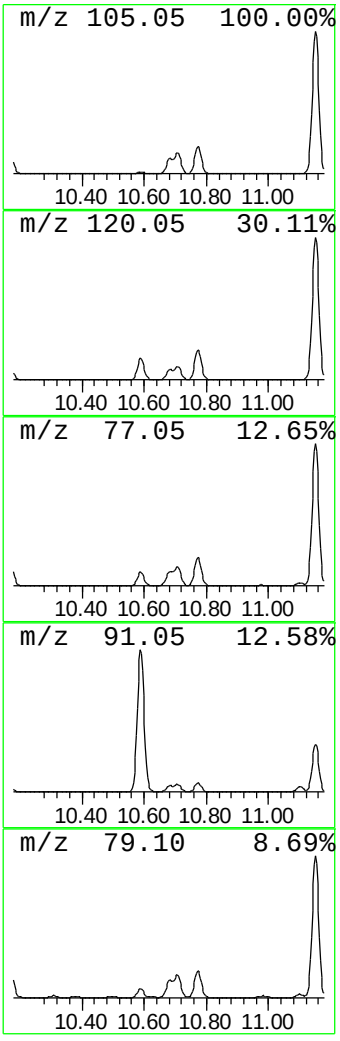
****

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	40.72 ug/l	640890	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

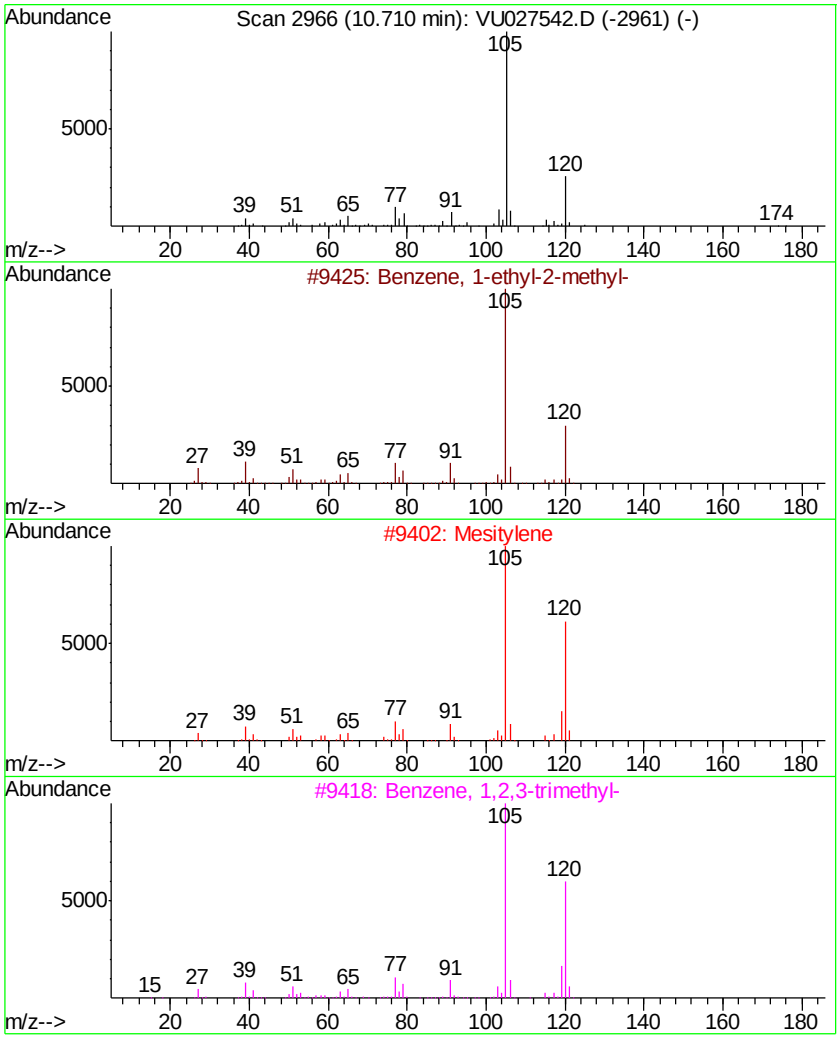
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

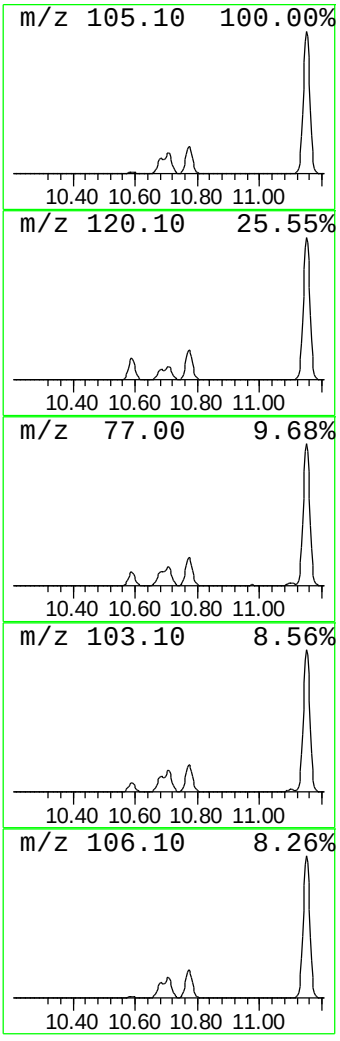
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	56.82 ug/l	894222	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

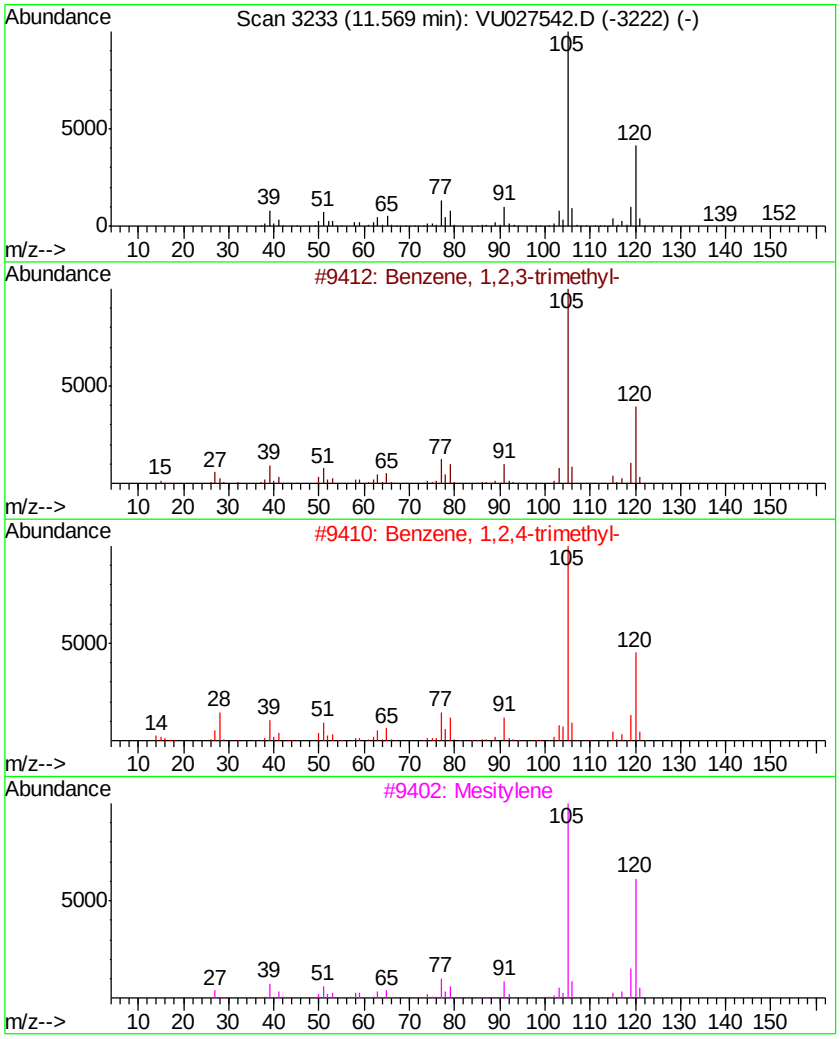
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

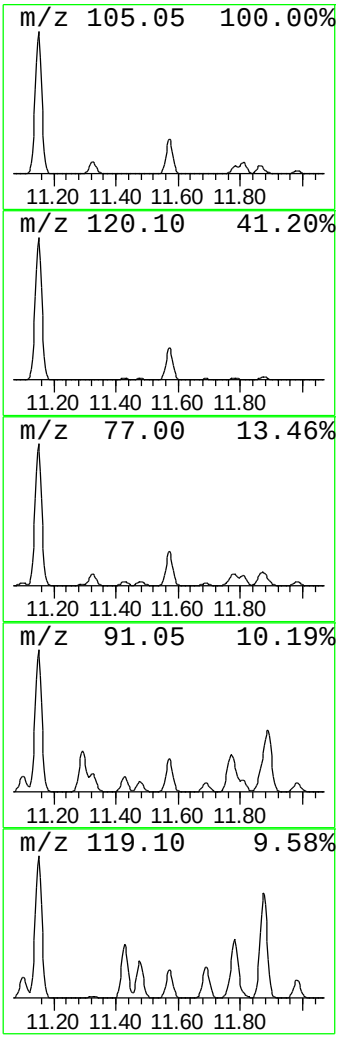
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	115.01 ug/l	1809880	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

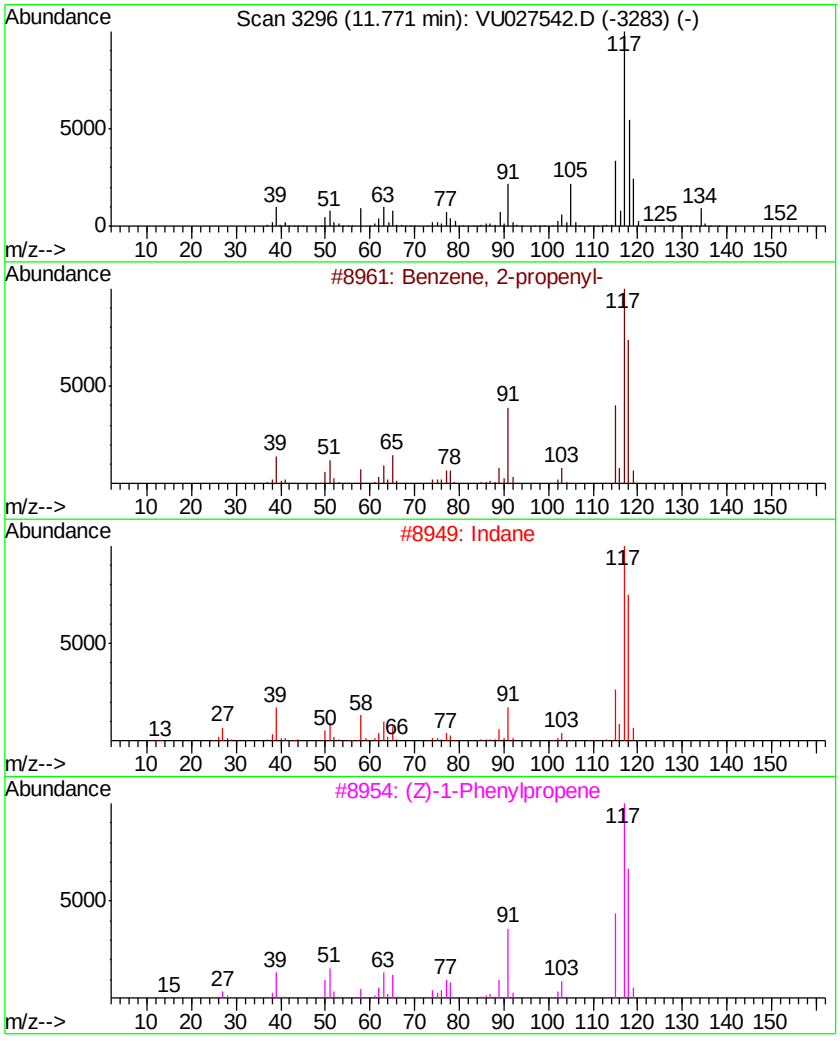
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

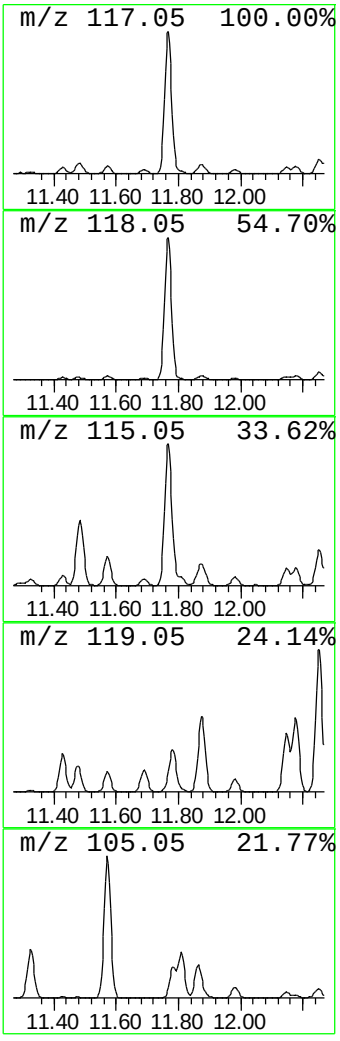
****

Peak Number 4 Benzene, 2-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	112.01 ug/l	1762690	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
2	Indane	118	C9H10	000496-11-7	70
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

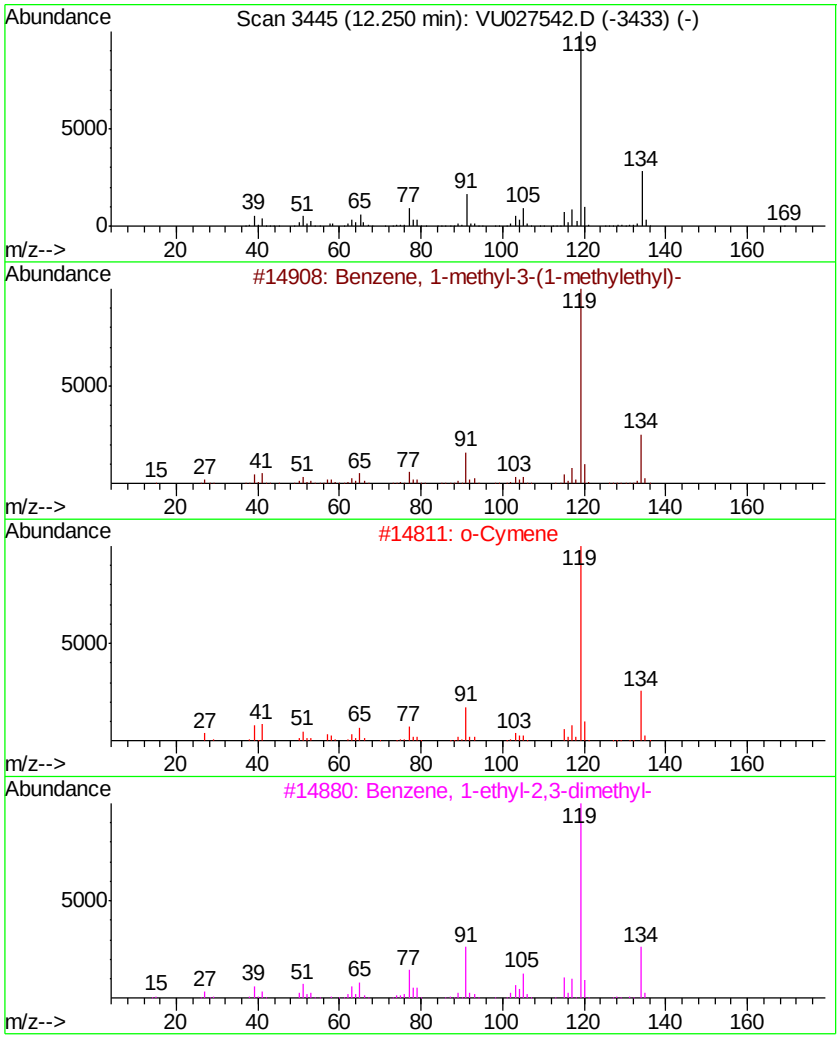
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

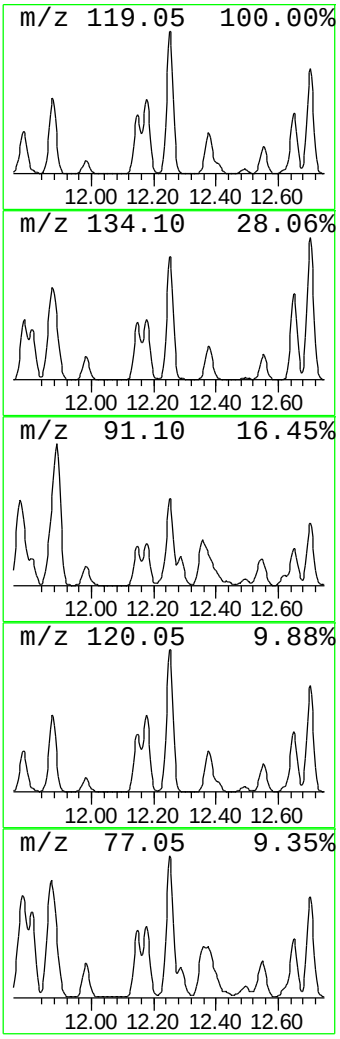
****

Peak Number 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	74.27 ug/l	1168810	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

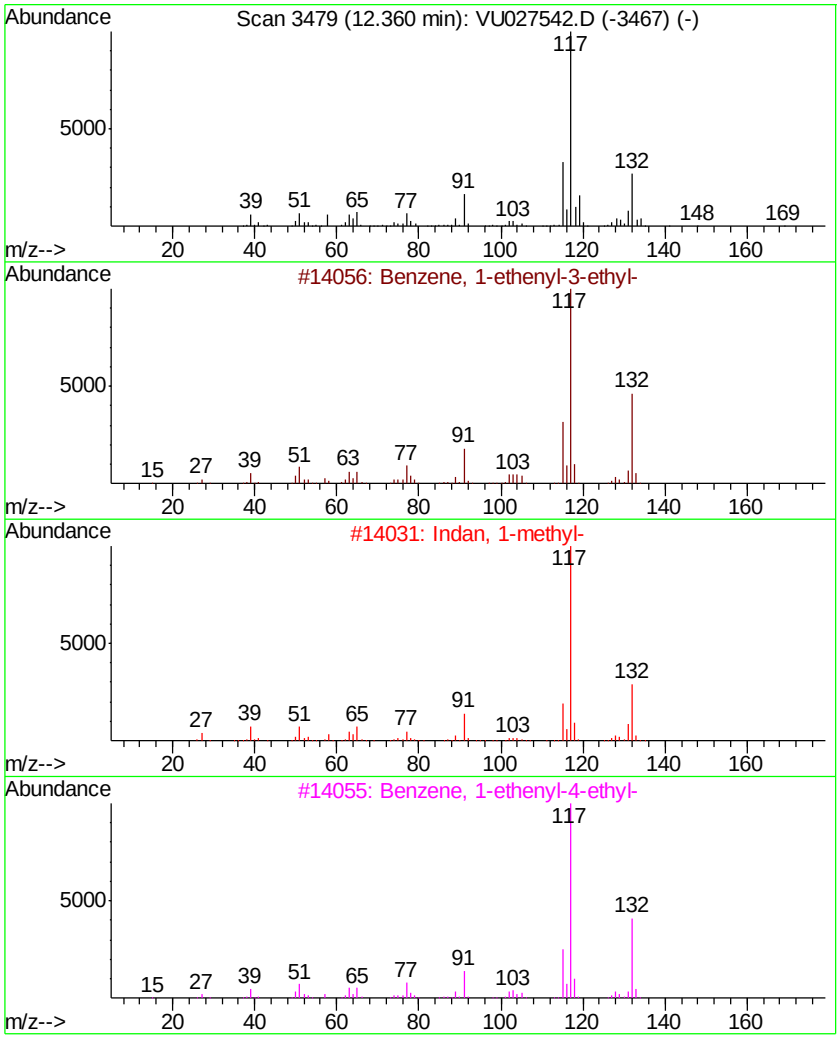
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

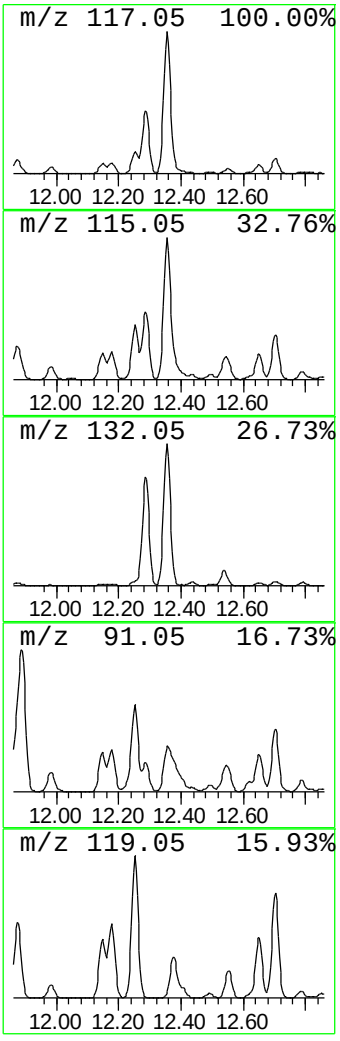
****

Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	77.87 ug/l	1225530	1,4-Dichlorobenzene-d4	11.48

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, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

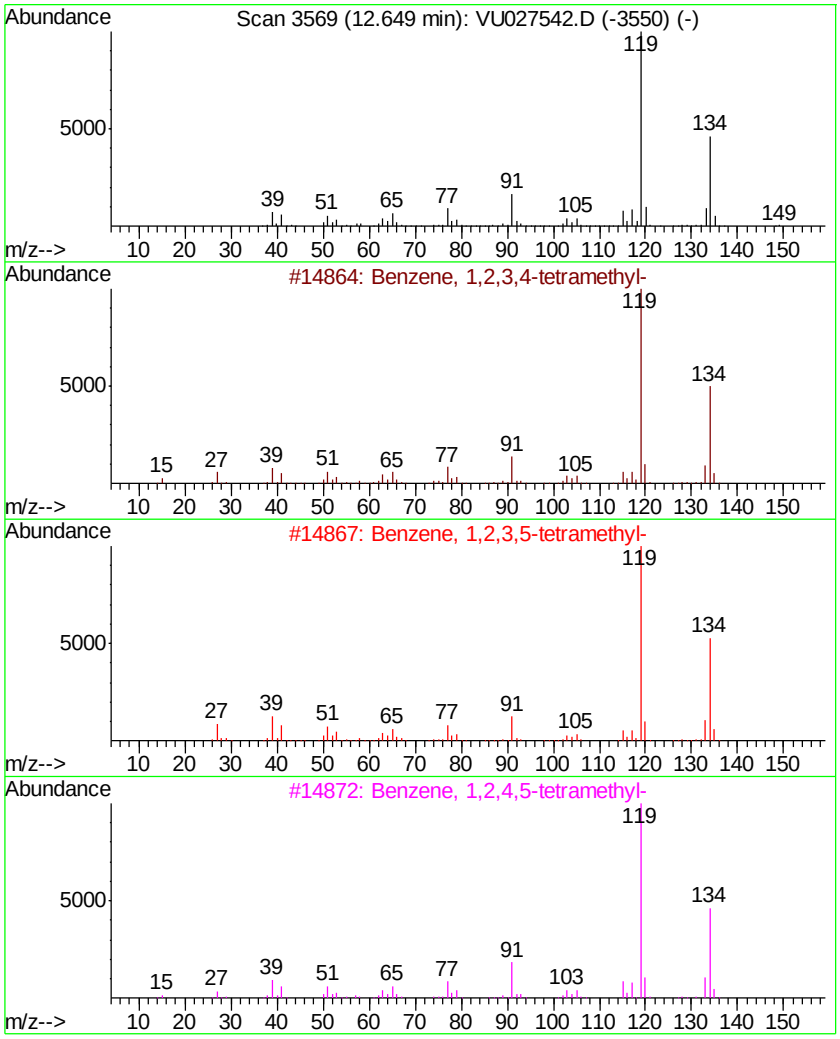
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

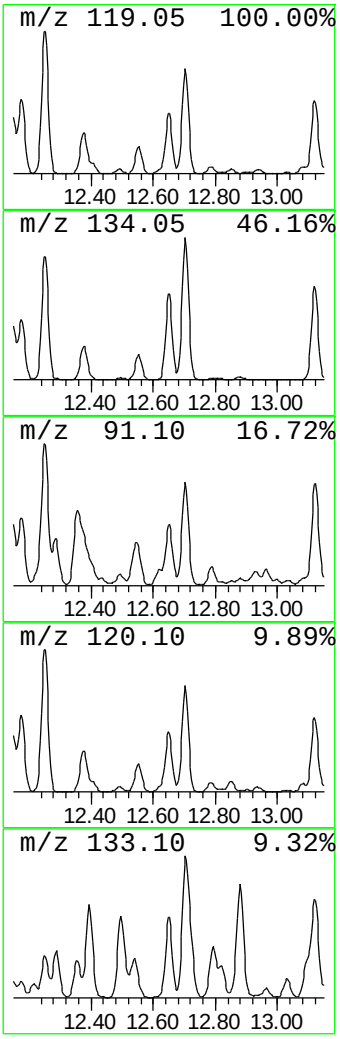
****

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	41.53 ug/l	653555	1,4-Dichlorobenzene-d4	11.48

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	96
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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

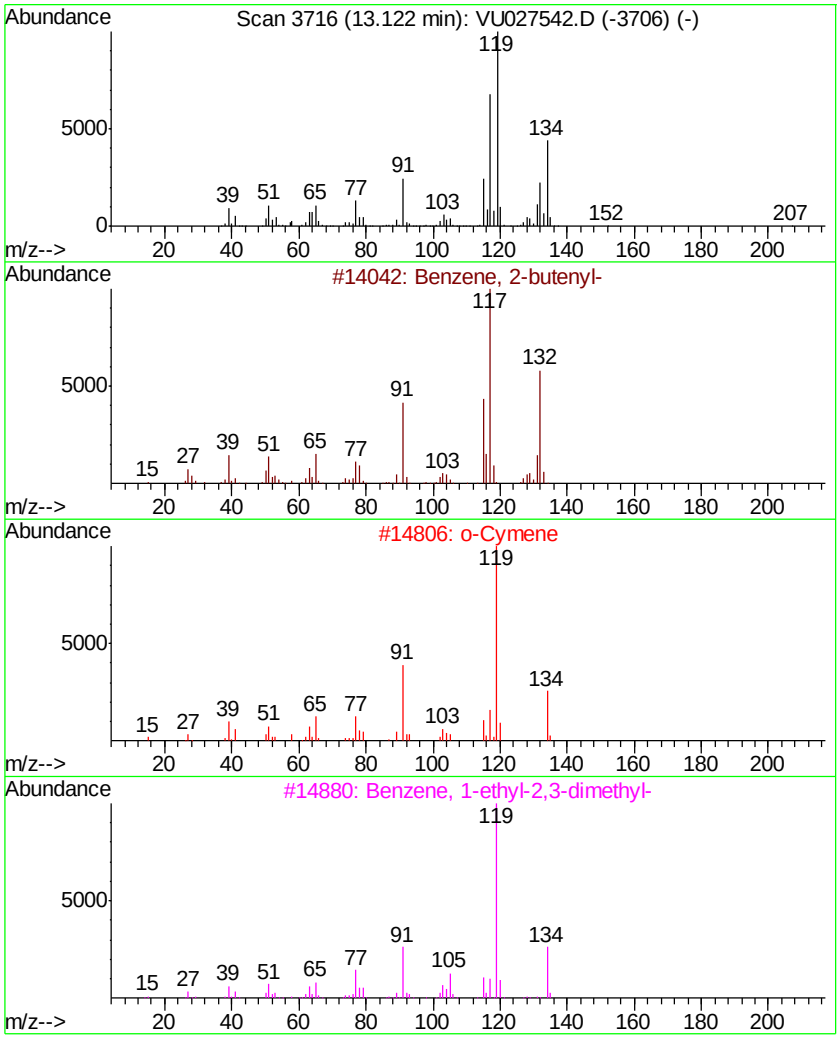
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

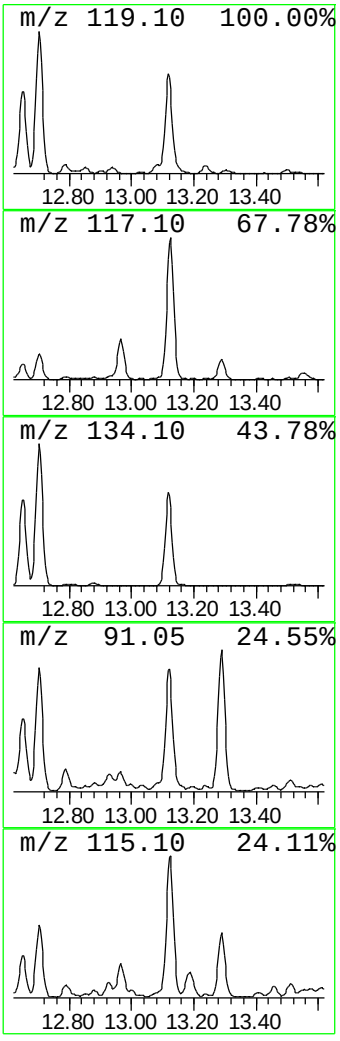
****

Peak Number 9 Benzene, 2-butenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	64.57 ug/l	1016100	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
2	o-Cymene	134	C10H14	000527-84-4	60
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
4	p-Cymene	134	C10H14	000099-87-6	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

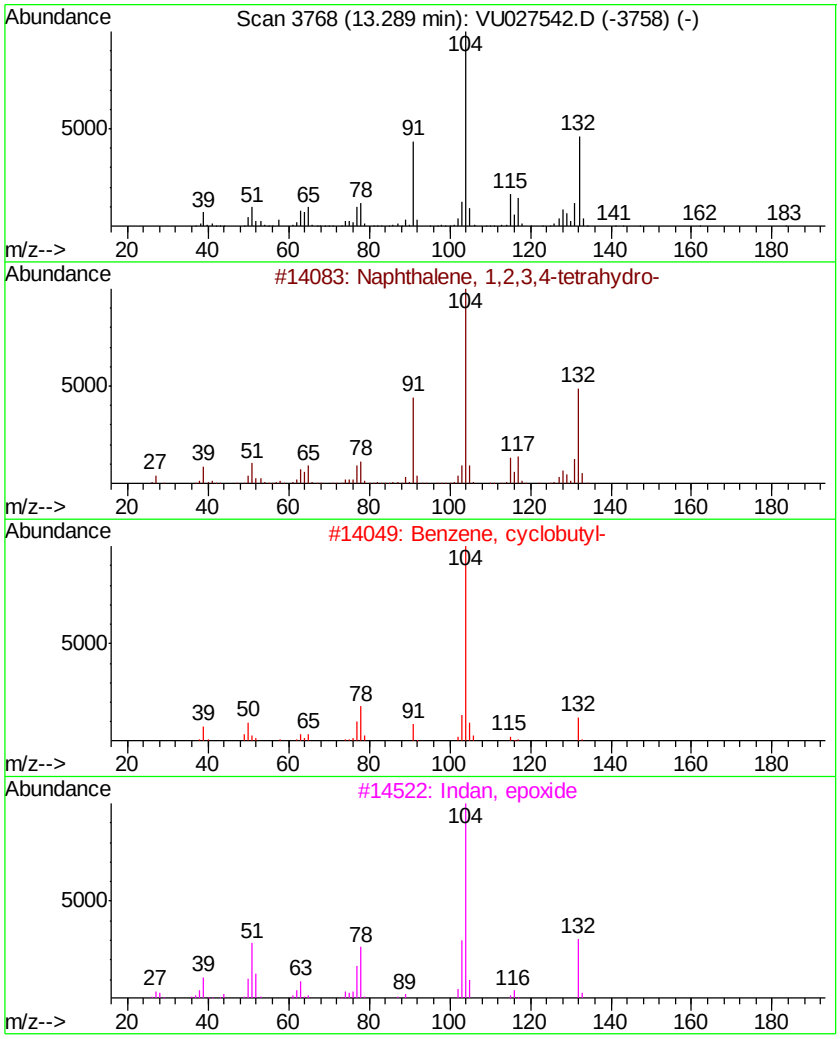
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

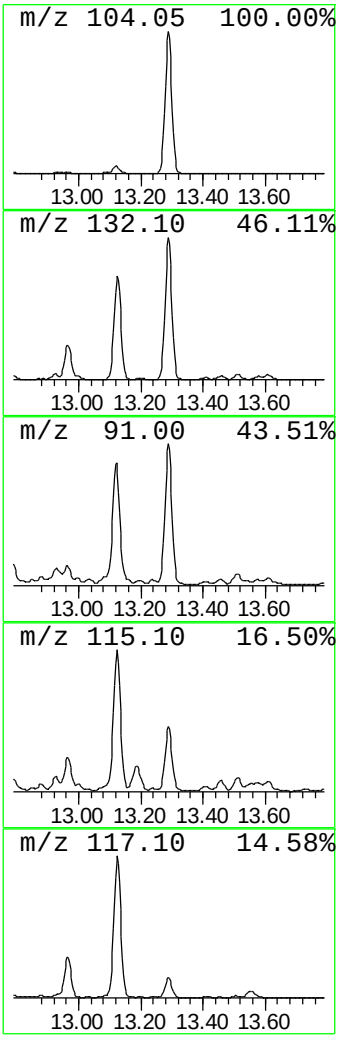
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	38.68 ug/l	608685	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Benzene, cyclobutyl-	132	C10H12	004392-30-7	59
3	Indan, epoxide	132	C9H8O	000768-22-9	58
4	N-Ethylbenzimidoyl bromide	211	C9H10BrN	041182-87-0	40
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027542.D
Acq On : 09 Oct 2018 23:29
Operator : MD/SY
Sample : J5165-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.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	40.7	ug/l	640890	4	11.48	786871	50.0
Benzene, 1-ethyl-...	10.71	56.8	ug/l	894222	4	11.48	786871	50.0
Benzene, 1,2,3-tr...	11.57	115.0	ug/l	1809880	4	11.48	786871	50.0
Benzene, 2-propenyl-	11.77	112.0	ug/l	1762690	4	11.48	786871	50.0
Benzene, 1-methyl...	12.25	74.3	ug/l	1168810	4	11.48	786871	50.0
Benzene, 1-etheny...	12.36	77.9	ug/l	1225530	4	11.48	786871	50.0
Benzene, 1,2,3,4-...	12.65	41.5	ug/l	653555	4	11.48	786871	50.0
Benzene, 2-butenyl-	13.12	64.6	ug/l	1016100	4	11.48	786871	50.0
Naphthalene, 1,2,...	13.29	38.7	ug/l	608685	4	11.48	786871	50.0