LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

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\82U120618W.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	4.881	1138	1153	1170	rBV	66712	149700	2.59%	0.386%
2	4.983	1170	1185	1207	rVB	105307	227743	3.95%	0.588%
3	5.308	1261	1286	1305	rBV2	82249	171779	2.98%	0.443%
4	5.884	1452	1465	1487	rBV	169366	329380	5.71%	0.850%
5	7.565	1964	1988	2007	rBV	284256	520407	9.02%	1.343%
6	8.546	2283	2293	2302	rVB2	41816	66663	1.16%	0.172%
7	8.604	2302	2311	2321	rBV	44092	75635	1.31%	0.195%
8	9.089	2451	2462	2479	rBV	236503	382305	6.63%	0.986%
9	9.186	2480	2492	2501	rVV	53065	92260	1.60%	0.238%
10	9.247	2501	2511	2524	rVV2	55922	99064	1.72%	0.256%
11	9.379	2524	2552	2566	rVV6	155903	481146	8.34%	1.241%
12	9.443	2566	2572	2599	rVV	51554	106082	1.84%	0.274%
13	9.568	2599	2611	2624	rVB2	47408	82146	1.42%	0.212%
14	9.720	2643	2658	2677	rBV4	112801	327614	5.68%	0.845%
15	9.810	2678	2686	2698	rVB4	35052	65239	1.13%	0.168%
16	9.951	2710	2730	2741	rBV3	239725	484696	8.40%	1.251%
17	10.044	2742	2759	2768	rBV4	213781	417722	7.24%	1.078%
18	10.167	2785	2797	2808	rBV	1516495	2338745	40.54%	6.034%
19	10.305	2831	2840	2852	rVB	195400	308566	5.35%	0.796%
20	10.376	2852	2862	2871	rBV2	103222	168056	2.91%	0.434%
21	10.491	2889	2898	2915	rVB4	162872	280657	4.86%	0.724%
22	10.588	2915	2928	2953	rVV	2933578	4438596	76.94%	11.452%
23	10.704	2954	2964	2973	rVV	313862	519323	9.00%	1.340%
24	10.752	2973	2979	2989	rVV4	75619	134398	2.33%	0.347%
25	10.810	2990	2997	3006	rVV5	44964	86347	1.50%	0.223%
26	10.977	3039	3049	3067	rVB6	110143	246971	4.28%	0.637%
27	11.102	3071	3088	3093	rBV3	203939	386201	6.69%	0.996%
28	11.150	3093	3103	3116	rVB	3862656	5768914	100.00%	14.884%
29	11.289	3132	3146	3150	rBV	375261	586929	10.17%	1.514%
30	11.324	3151	3157	3171	rVV	719371	1103593	19.13%	2.847%
31	11.395	3172	3179	3187	rVV	62304	87020	1.51%	0.225%
32	11.482	3196	3206	3217	rVB2	277925	435396	7.55%	1.123%
33	11.568	3224	3233	3243	rBV	272055	394815	6.84%	1.019%
34	11.687	3259	3270	3282	rVB	289597	455090	7.89%	1.174%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

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\82U120618W.M
Title : SW846 8260

35	11.768	3282	3295	3313	rBV3	2098271	3942974	68.35%	10.173%
36	11.864	3314	3325	3328	rBV3	373421	574386	9.96%	1.482%
37	11.980	3345	3361	3379	rBV	343132	563994	9.78%	1.455%
38	12.144	3402	3412	3417	rBV	278143	420096	7.28%	1.084%
39	12.176	3417	3422	3431	rVV	249140	356282	6.18%	0.919%
40	12.250	3432	3445	3452	rVV	1538916	2363763	40.97%	6.099%
41	12.285	3452	3456	3467	rVV	524024	734190	12.73%	1.894%
42	12.356	3467	3478	3497	rVV3	1025135	2270598	39.36%	5.858%
43	12.433	3498	3502	3511	rVB2	46300	61787	1.07%	0.159%
44	12.536	3513	3534	3549	rVB2	199167	408304	7.08%	1.053%
45	12.649	3549	3569	3577	rBV	692728	1181257	20.48%	3.048%
46	12.700	3577	3585	3601	rVB	666906	1036096	17.96%	2.673%
47	12.787	3601	3612	3623	rBV3	107479	173076	3.00%	0.447%
48	12.877	3624	3640	3647	rBV	79304	135397	2.35%	0.349%
49	12.925	3648	3655	3661	rVV3	65493	98116	1.70%	0.253%
50	12.964	3661	3667	3674	rVB	106265	138316	2.40%	0.357%
51	13.118	3694	3715	3731	rBV2	910621	1583676	27.45%	4.086%
52	13.189	3732	3737	3745	rVV5	50698	86644	1.50%	0.224%
53	13.237	3746	3752	3760	rVV	40535	71006	1.23%	0.183%
54	13.289	3762	3768	3788	rVB3	45864	103358	1.79%	0.267%
55	13.404	3796	3804	3811	rBV2	33074	58507	1.01%	0.151%
56	13.456	3811	3820	3829	rVB	136249	204040	3.54%	0.526%
57	13.510	3829	3837	3851	rBV5	94335	170981	2.96%	0.441%
58	13.607	3863	3867	3885	rVB2	67835	127827	2.22%	0.330%
59	15.060	4308	4319	4336	rBV	44045	74021	1.28%	0.191%

Sum of corrected areas: 38757890

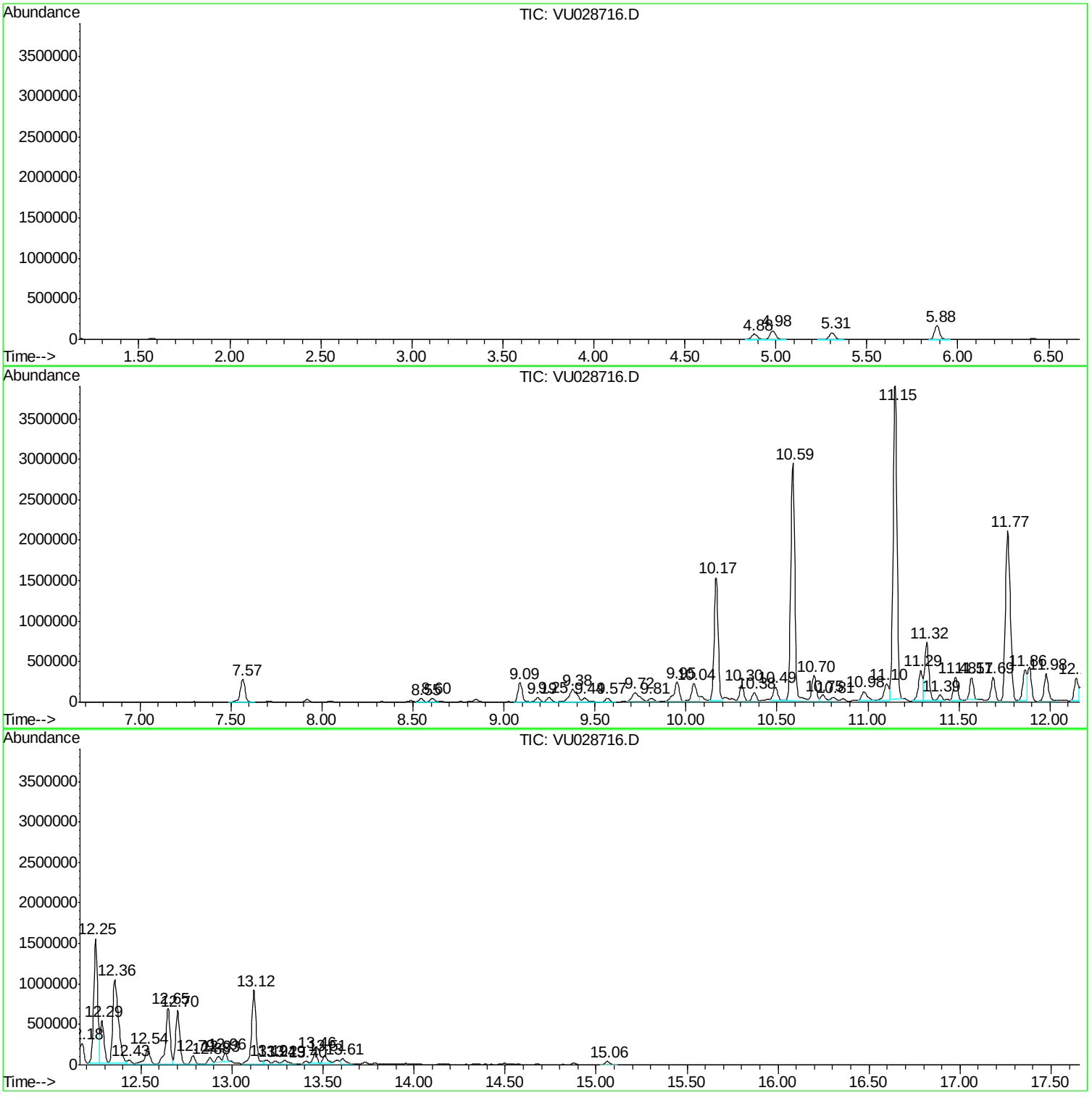
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

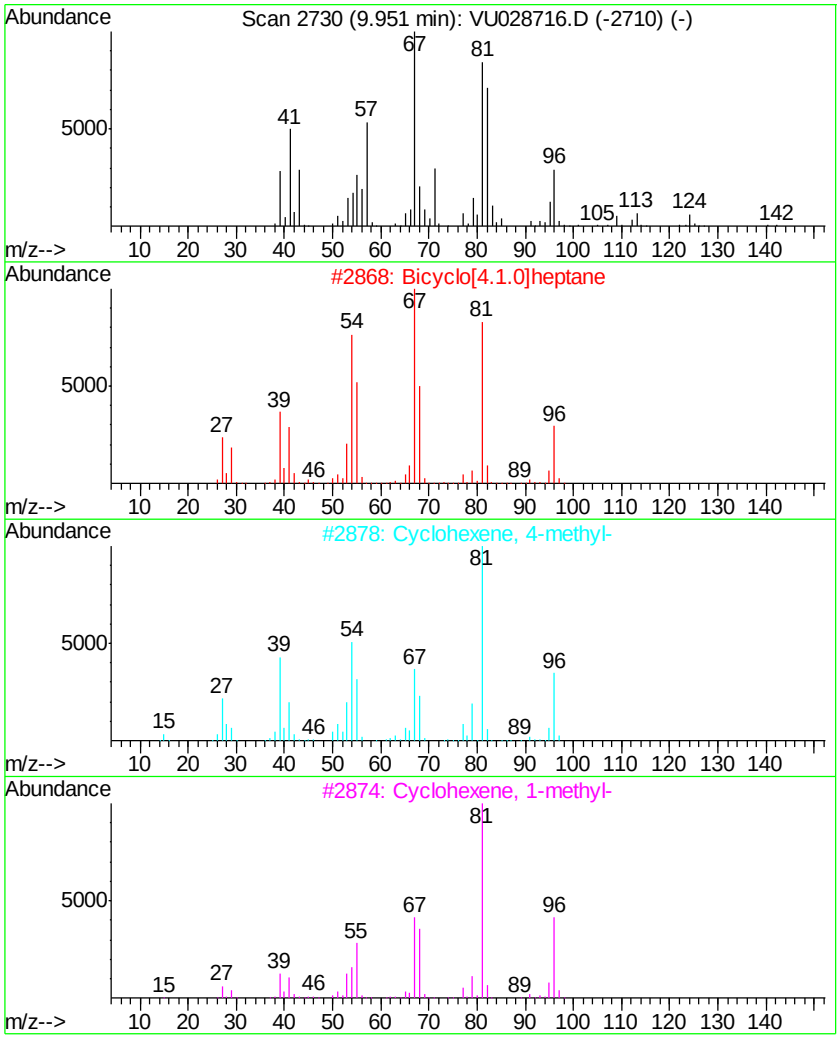
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

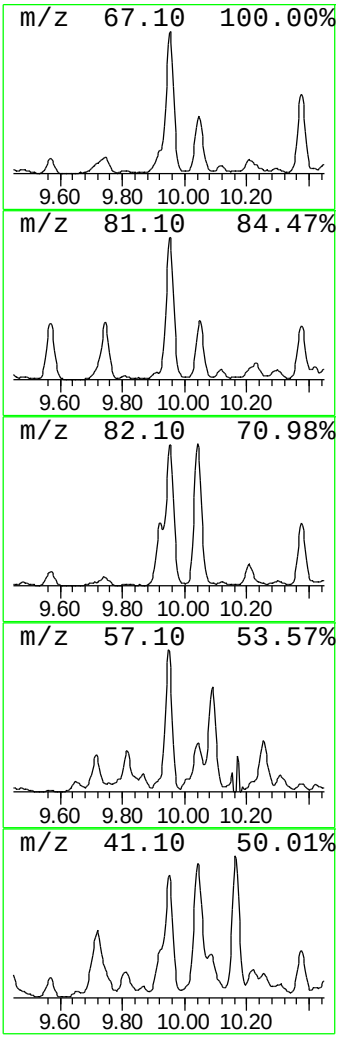
****

Peak Number 1 Bicyclo[4.1.0]heptane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	63.39 ug/l	484696	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	52
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	50
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	38
5	2-Octynoic acid	140	C8H12O2	005663-96-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

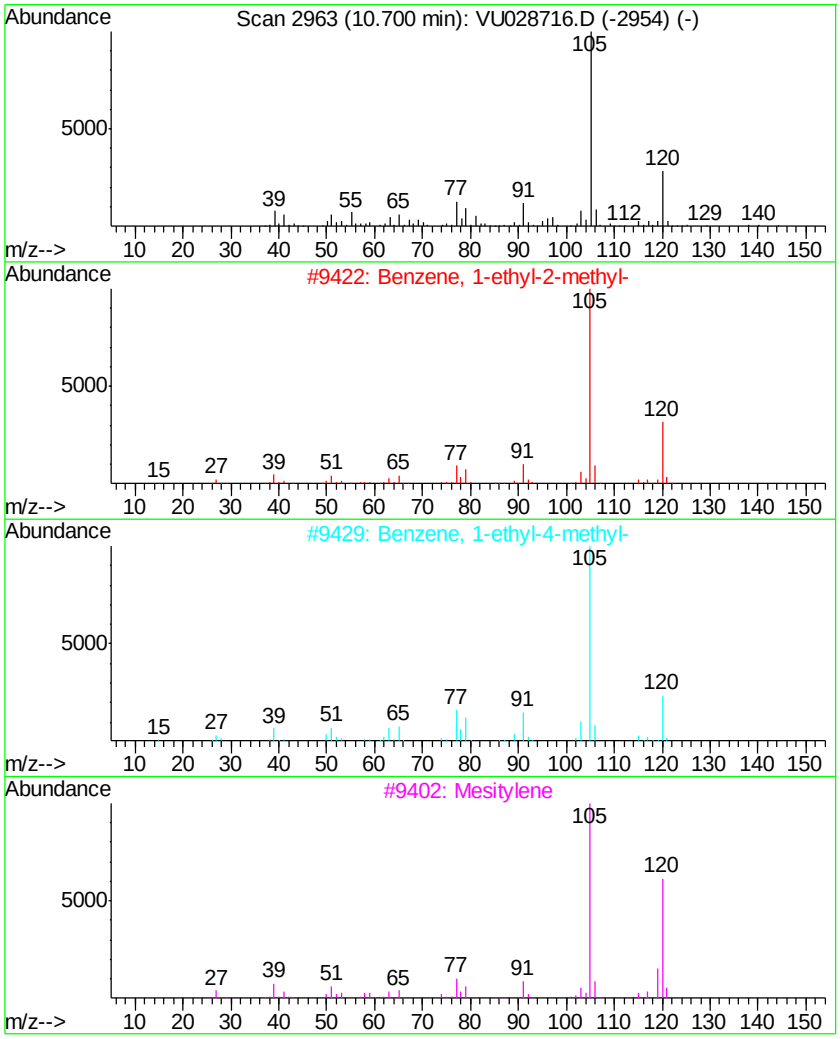
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

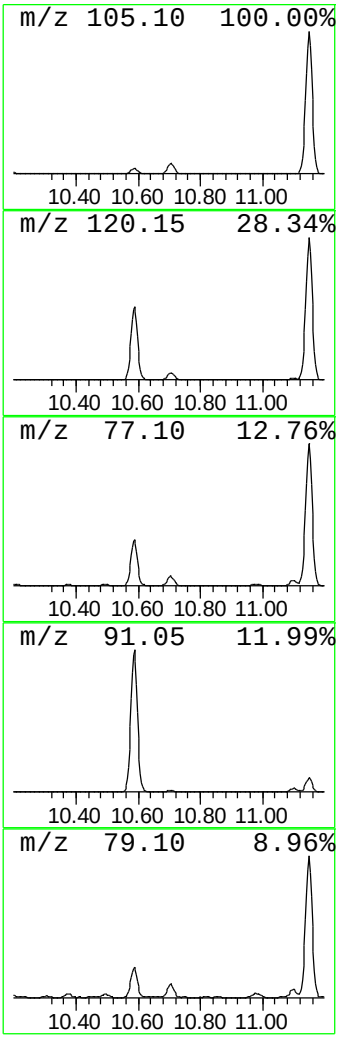
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	59.64 ug/l	519323	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	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

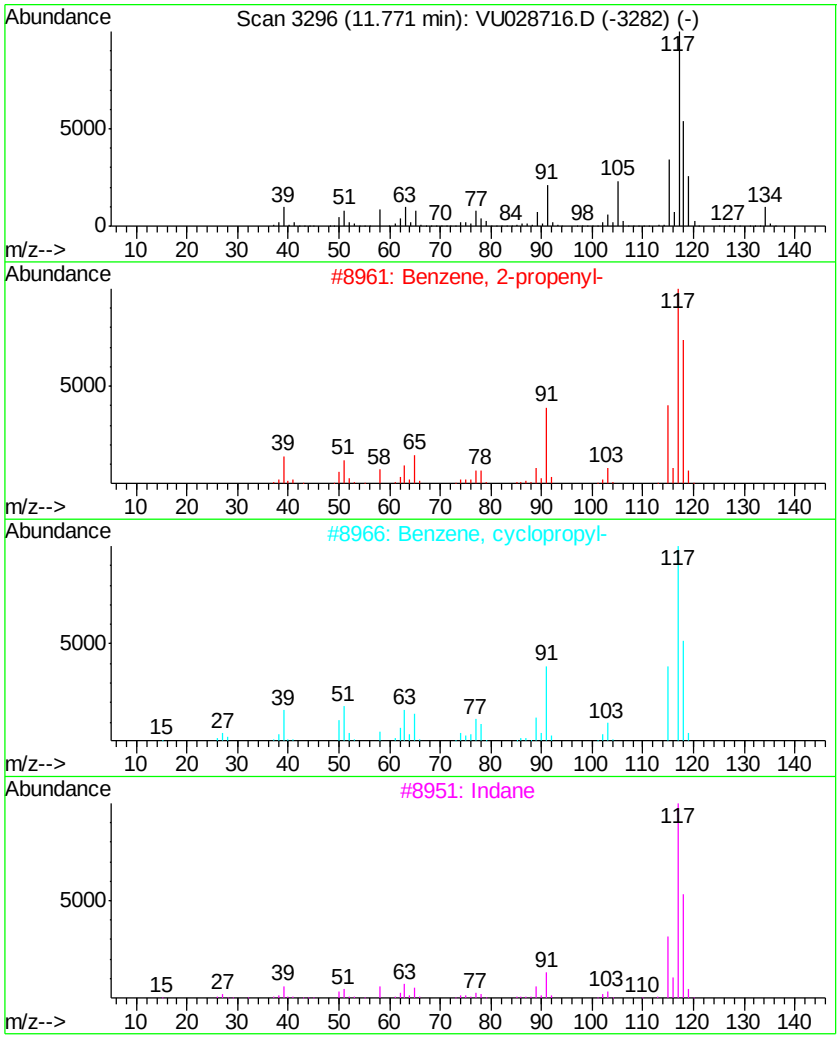
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

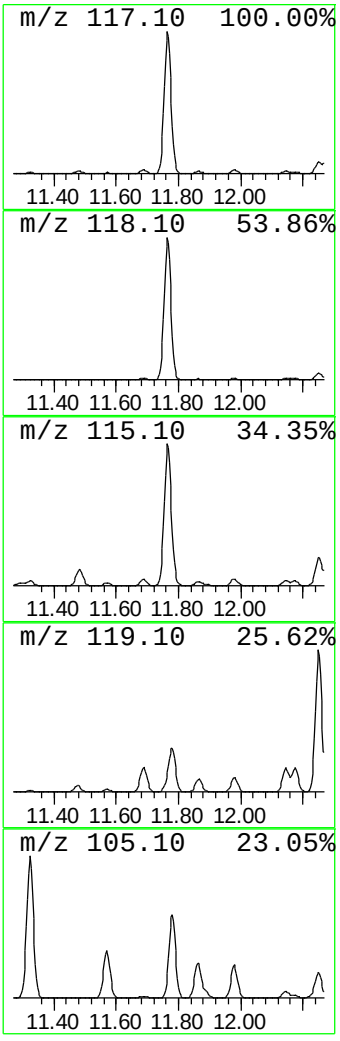
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	452.80 ug/l	3942970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55
5	Deltacyclene	118	C9H10	007785-10-6	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

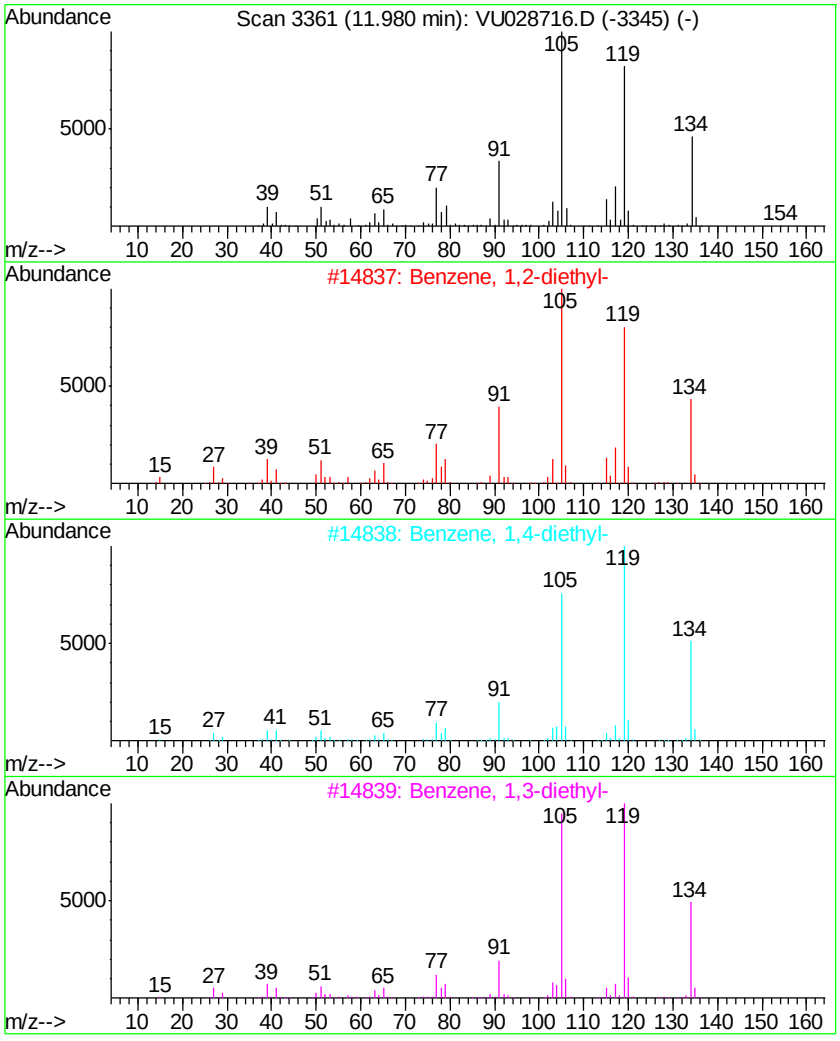
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

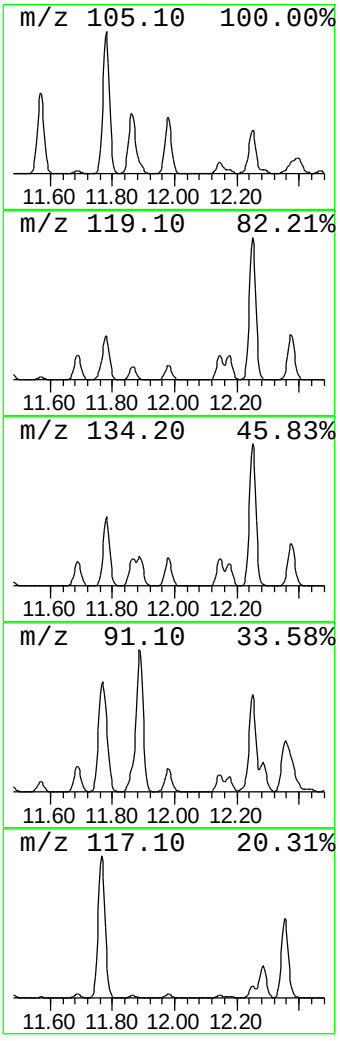
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	64.77 ug/l	563994	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	72
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

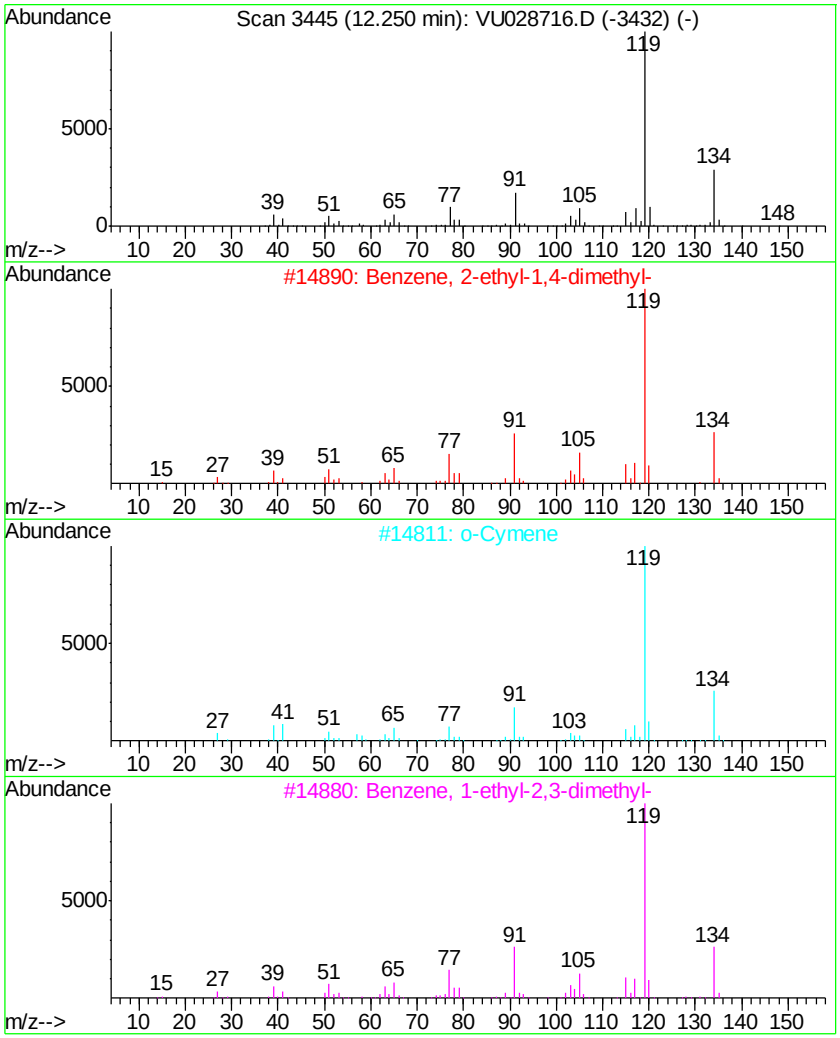
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

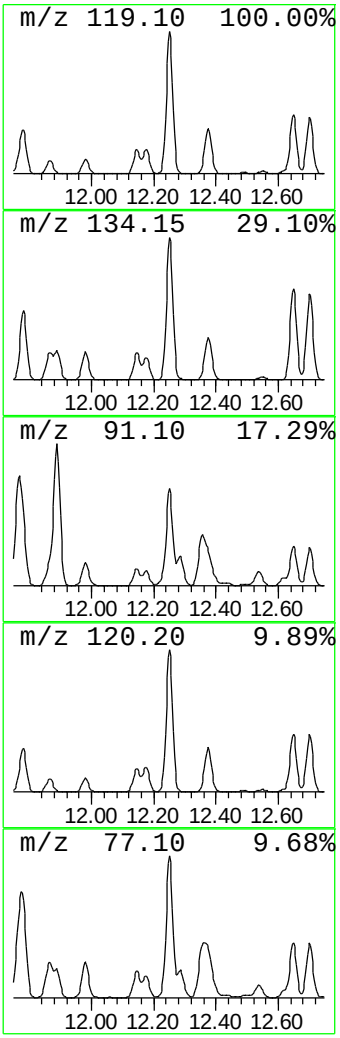
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	271.45 ug/l	2363760	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

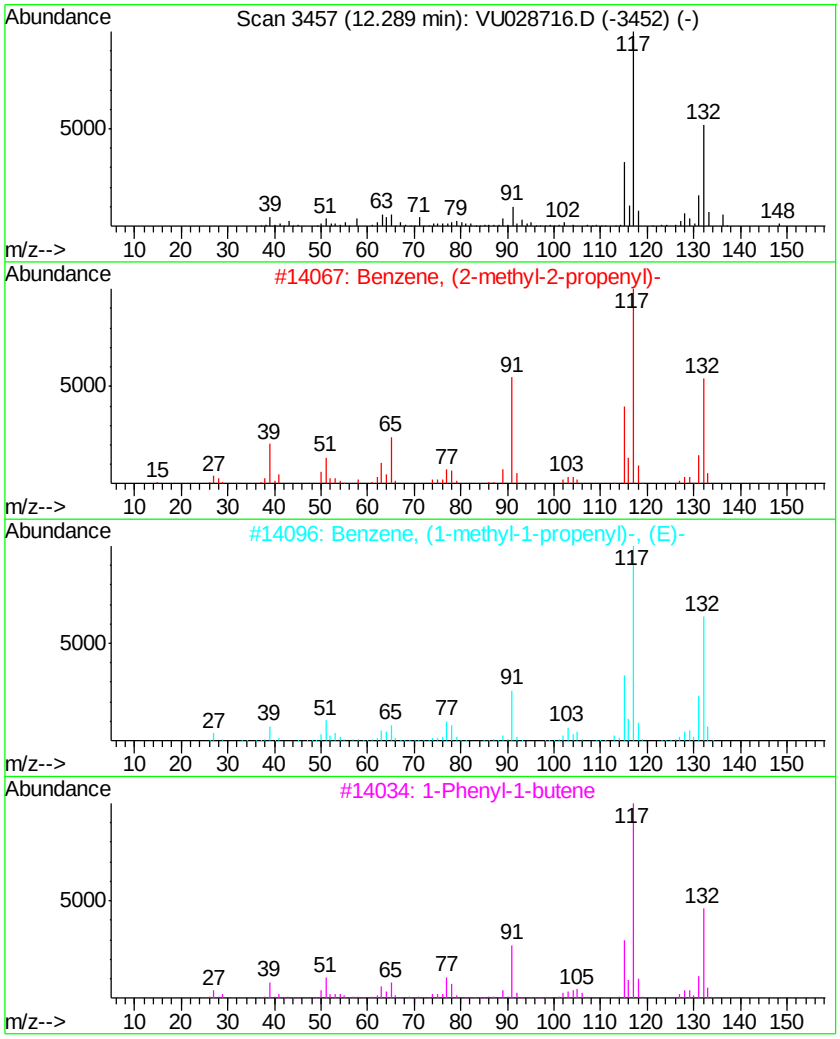
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

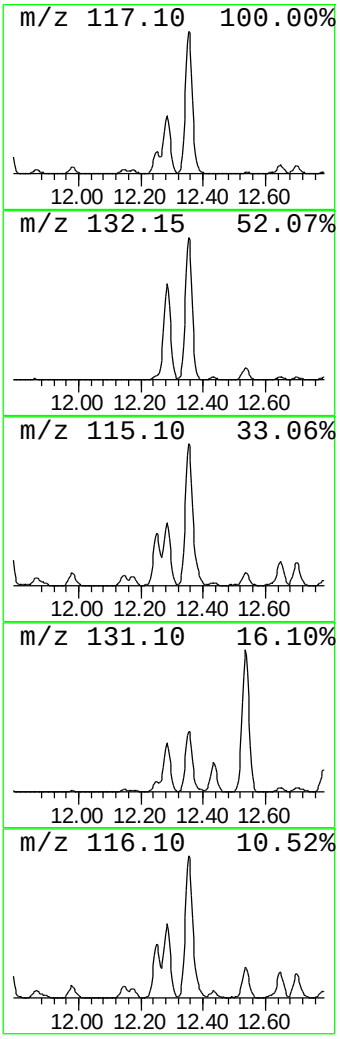
****

Peak Number 6 Benzene, (2-methyl-2-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	84.31 ug/l	734190	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

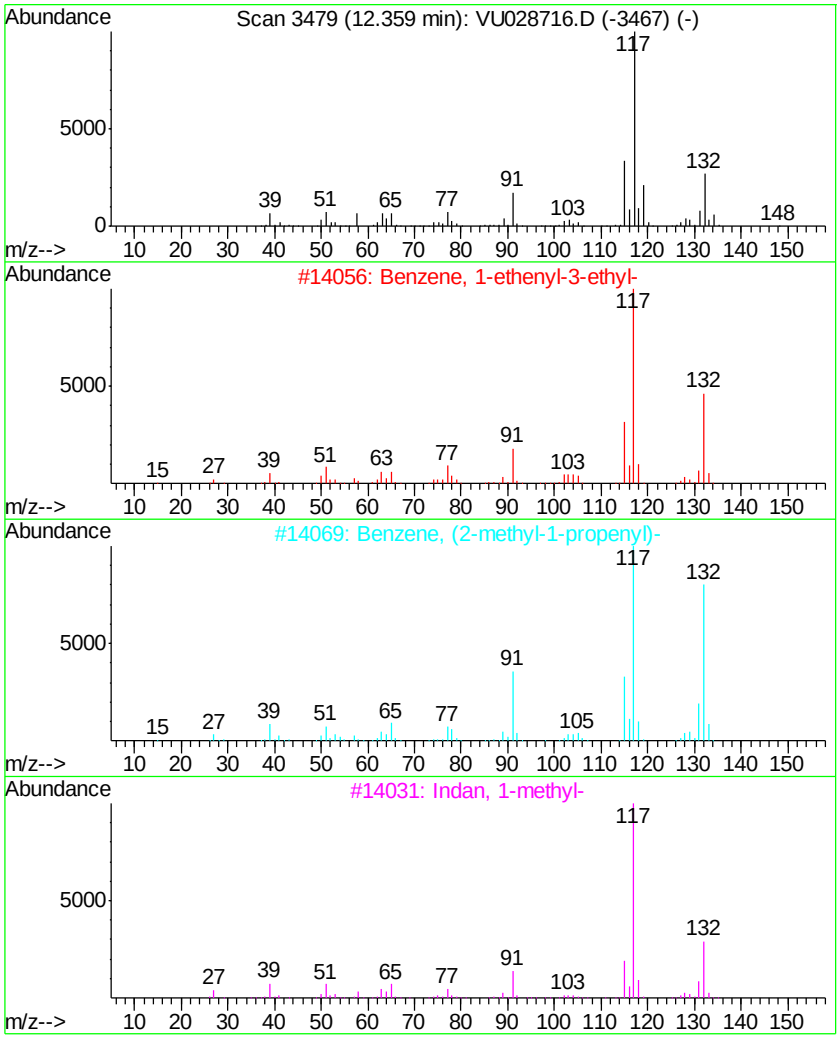
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

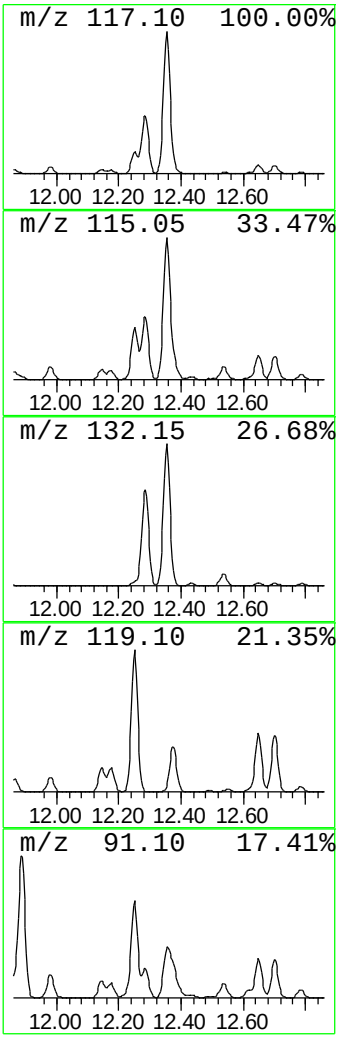
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	260.75 ug/l	2270600	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	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

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

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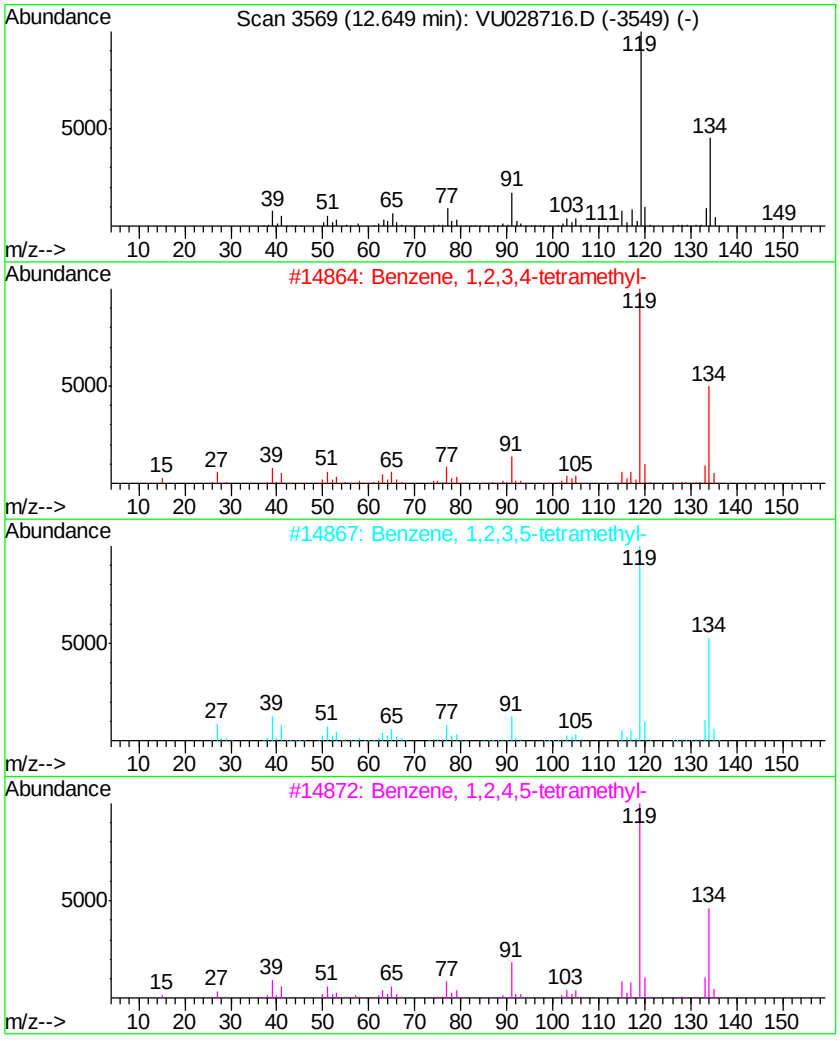
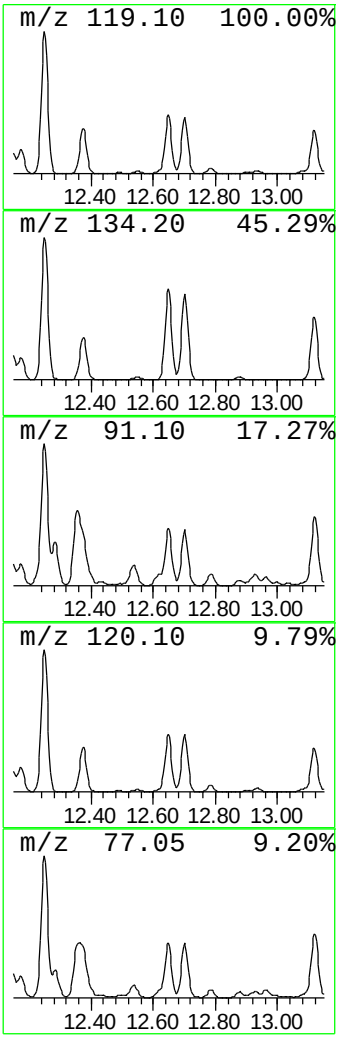
Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	135.65 ug/l	1181260	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-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

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

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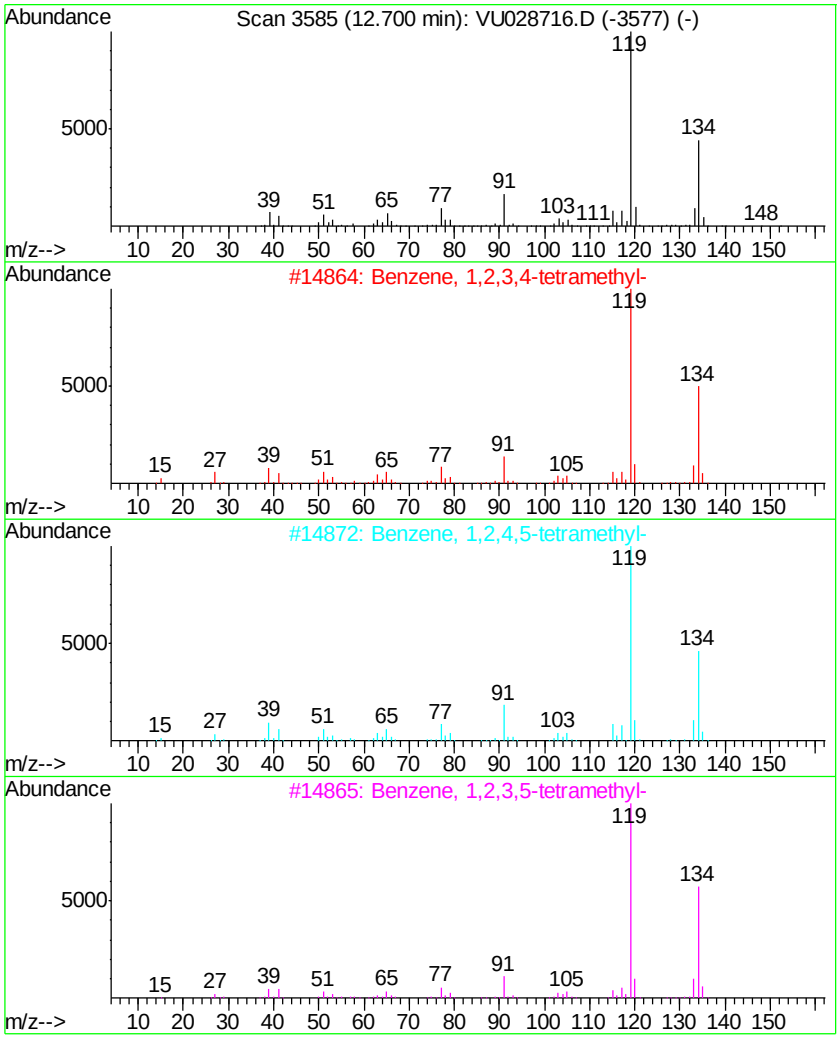
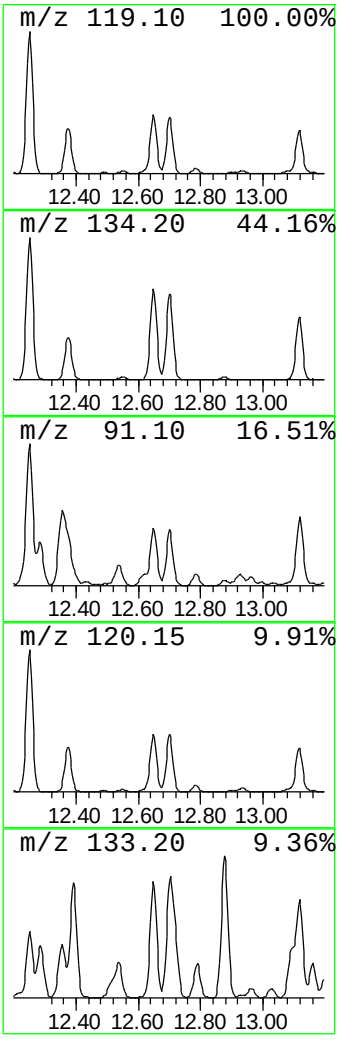
Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	118.98 ug/l	1036100	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	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260

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

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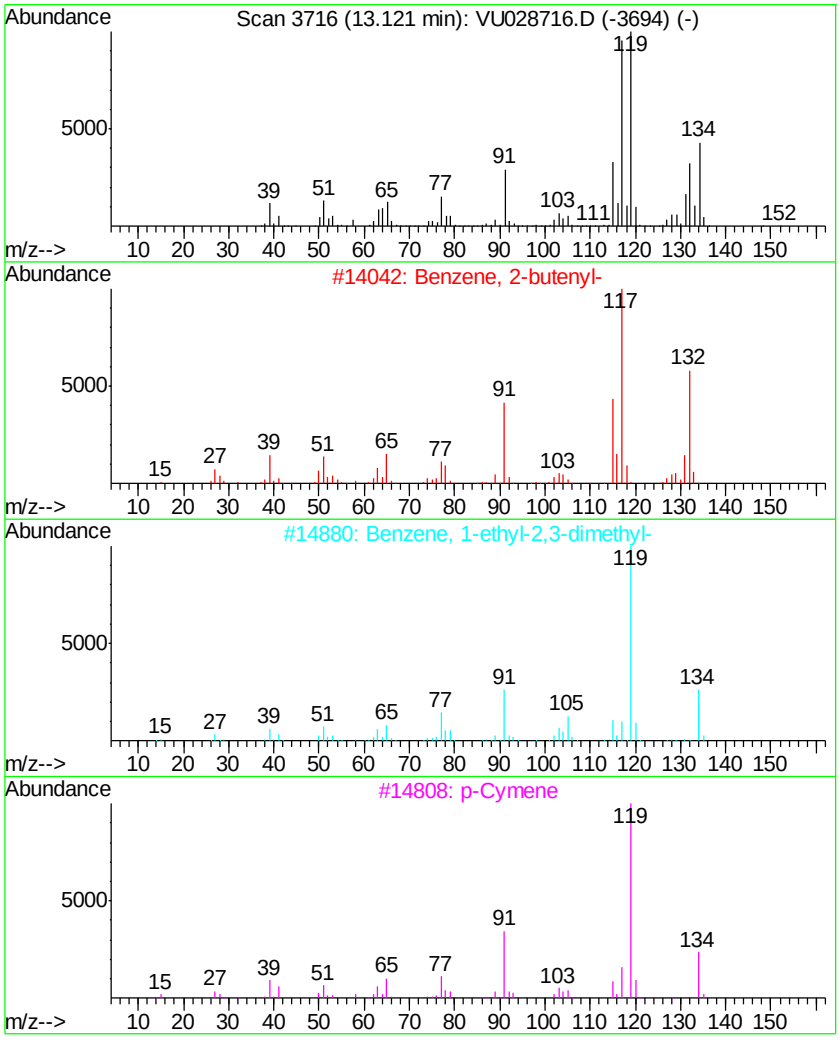
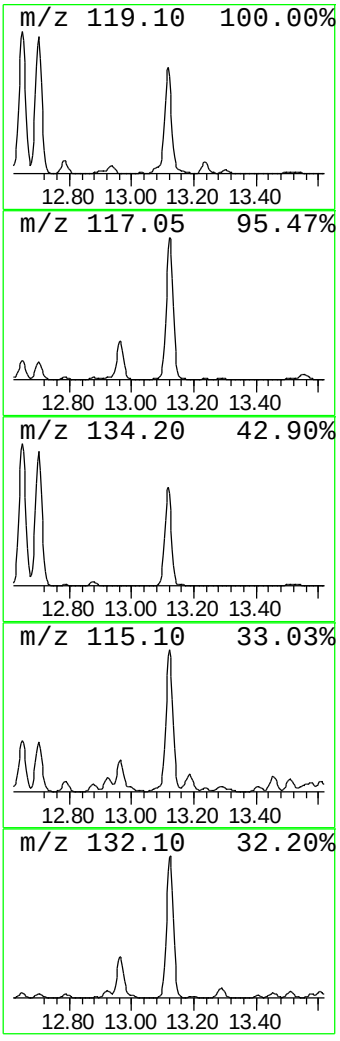
Peak Number 10 Benzene, 2-butenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	181.87 ug/l	1583680	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
3	p-Cymene	134	C10H14	000099-87-6	50
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028716.D
Acq On : 17 Dec 2018 13:30
Operator : MD/SY
Sample : J6411-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-J-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.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
Bicyclo[4.1.0]hep...	9.95	63.4	ug/l	484696	3	9.09	382305	50.0
Benzene, 1-ethyl-...	10.70	59.6	ug/l	519323	4	11.48	435396	50.0
Benzene, 2-propenyl-	11.77	452.8	ug/l	3942970	4	11.48	435396	50.0
Benzene, 1,2-diet...	11.98	64.8	ug/l	563994	4	11.48	435396	50.0
Benzene, 2-ethyl-...	12.25	271.4	ug/l	2363760	4	11.48	435396	50.0
Benzene, (2-methy...	12.29	84.3	ug/l	734190	4	11.48	435396	50.0
Benzene, 1-etheny...	12.36	260.8	ug/l	2270600	4	11.48	435396	50.0
Benzene, 1,2,3,4-...	12.65	135.7	ug/l	1181260	4	11.48	435396	50.0
Benzene, 1,2,4,5-...	12.70	119.0	ug/l	1036100	4	11.48	435396	50.0
Benzene, 2-butenyl-	13.12	181.9	ug/l	1583680	4	11.48	435396	50.0