LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-I-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	1136	1153	1170	rBV3	69297	155176	1.12%	0.248%
2	4.983	1171	1185	1205	rVB	109419	242404	1.75%	0.387%
3	5.308	1273	1286	1304	rBV	83879	176728	1.27%	0.282%
4	5.884	1452	1465	1486	rBV	179566	347886	2.51%	0.556%
5	7.562	1964	1987	2010	rBV	297392	554951	4.00%	0.886%
6	9.086	2451	2461	2476	rBV	249245	398808	2.87%	0.637%
7	9.247	2501	2511	2525	rBV	377632	606765	4.37%	0.969%
8	9.376	2535	2551	2567	rBV2	739281	1528002	11.01%	2.441%
9	9.443	2567	2572	2598	rVB2	89273	189045	1.36%	0.302%
10	9.716	2643	2657	2671	rBV6	193615	481483	3.47%	0.769%
11	9.951	2710	2730	2740	rBV3	467746	896567	6.46%	1.432%
12	10.044	2740	2759	2767	rBV4	384222	752526	5.42%	1.202%
13	10.086	2768	2772	2785	rVB2	150680	227240	1.64%	0.363%
14	10.167	2785	2797	2807	rBV	1300075	2041922	14.71%	3.261%
15	10.308	2832	2841	2853	rVB2	261105	505263	3.64%	0.807%
16	10.376	2853	2862	2870	rBV	121837	187108	1.35%	0.299%
17	10.491	2881	2898	2909	rVB4	283123	501681	3.61%	0.801%
18	10.588	2916	2928	2938	rBV	2464187	3730796	26.87%	5.959%
19	10.684	2948	2958	2959	rBV	628262	766304	5.52%	1.224%
20	10.703	2961	2964	2973	rVB	916600	1104343	7.95%	1.764%
21	10.771	2973	2985	2994	rBV	1149142	1863732	13.42%	2.977%
22	10.977	3039	3049	3055	rBV4	133780	263599	1.90%	0.421%
23	11.112	3071	3091	3093	rBV2	439471	746277	5.37%	1.192%
24	11.154	3093	3104	3115	rVB	9277503	13884534	100.00%	22.176%
25	11.289	3131	3146	3150	rBV	355711	641572	4.62%	1.025%
26	11.324	3151	3157	3170	rVV	687465	1153602	8.31%	1.843%
27	11.398	3171	3180	3184	rVV	204275	311718	2.25%	0.498%
28	11.427	3185	3189	3197	rVV	217225	318753	2.30%	0.509%
29	11.478	3197	3205	3215	rVB2	530091	801656	5.77%	1.280%
30	11.572	3224	3234	3257	rVB	2431006	3678279	26.49%	5.875%
31	11.687	3258	3270	3282	rVB	295639	539201	3.88%	0.861%
32	11.768	3283	3295	3315	rBV3	2118984	4453260	32.07%	7.113%
33	11.867	3315	3326	3343	rVB5	909950	2345033	16.89%	3.746%
34	11.980	3351	3361	3378	rBV2	367416	630061	4.54%	1.006%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-I-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	12.144	3402	3412	3417	rBV	612980	940476	6.77%	1.502%
36	12.176	3417	3422	3432	rVV	700441	989238	7.12%	1.580%
37	12.250	3433	3445	3452	rVV	1782496	2730981	19.67%	4.362%
38	12.285	3452	3456	3467	rVB	541520	738130	5.32%	1.179%
39	12.356	3467	3478	3499	rBV3	1138252	2642512	19.03%	4.221%
40	12.543	3528	3536	3548	rVB5	347447	667249	4.81%	1.066%
41	12.617	3548	3559	3560	rBV5	155407	185254	1.33%	0.296%
42	12.649	3561	3569	3577	rVV	838890	1292902	9.31%	2.065%
43	12.700	3577	3585	3599	rVB	808943	1269860	9.15%	2.028%
44	12.787	3602	3612	3625	rVB2	129229	198021	1.43%	0.316%
45	12.964	3661	3667	3682	rVB	205411	319314	2.30%	0.510%
46	13.118	3697	3715	3730	rBV2	1334044	2269432	16.35%	3.625%
47	13.285	3757	3767	3777	rBV	430808	664968	4.79%	1.062%
48	13.453	3811	3819	3829	rBV4	126720	219049	1.58%	0.350%
49	13.507	3829	3836	3845	rVB3	108441	158088	1.14%	0.252%
50	13.739	3898	3908	3918	rBV	186021	297478	2.14%	0.475%

Sum of corrected areas: 62609227

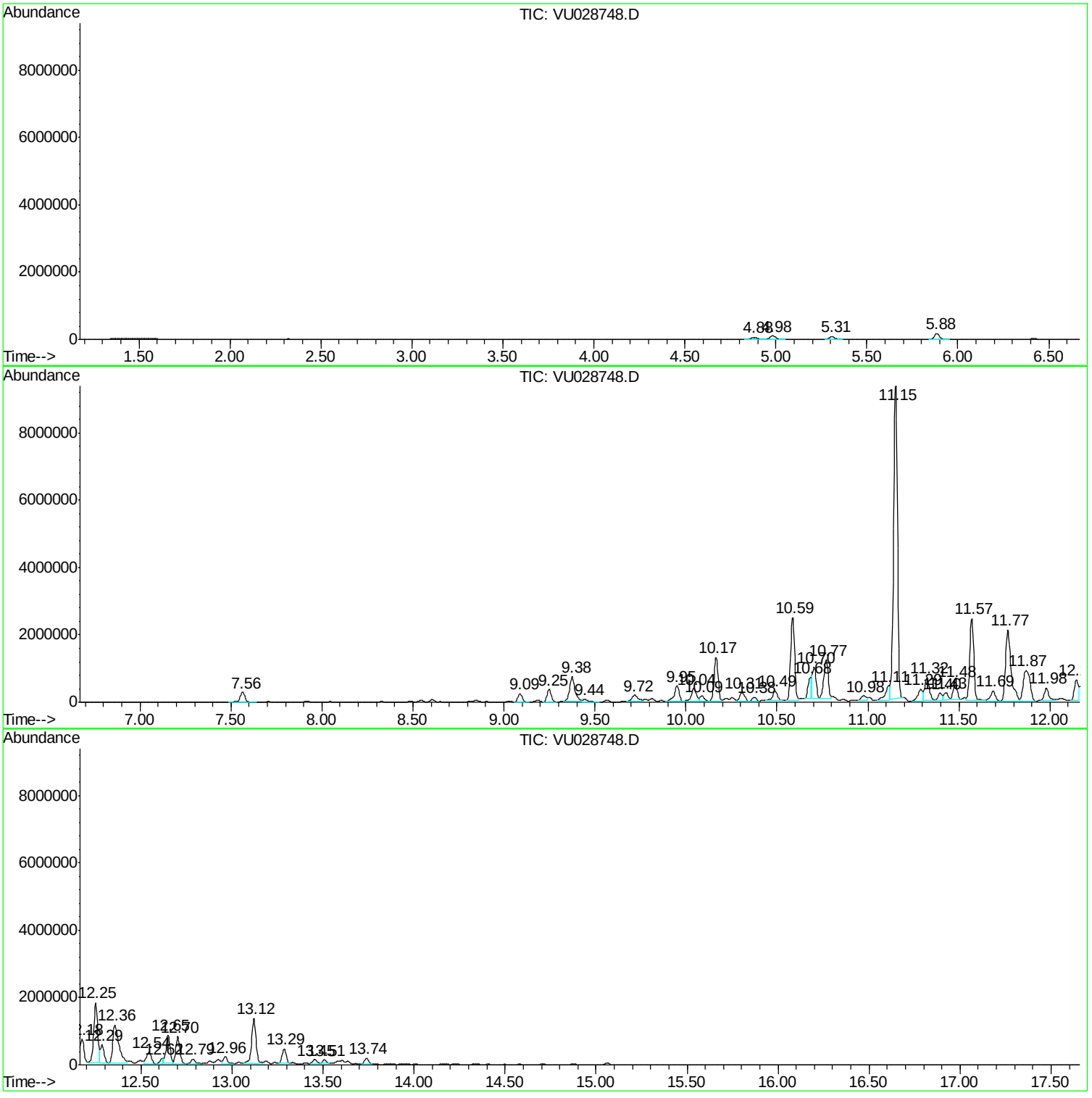
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-I-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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

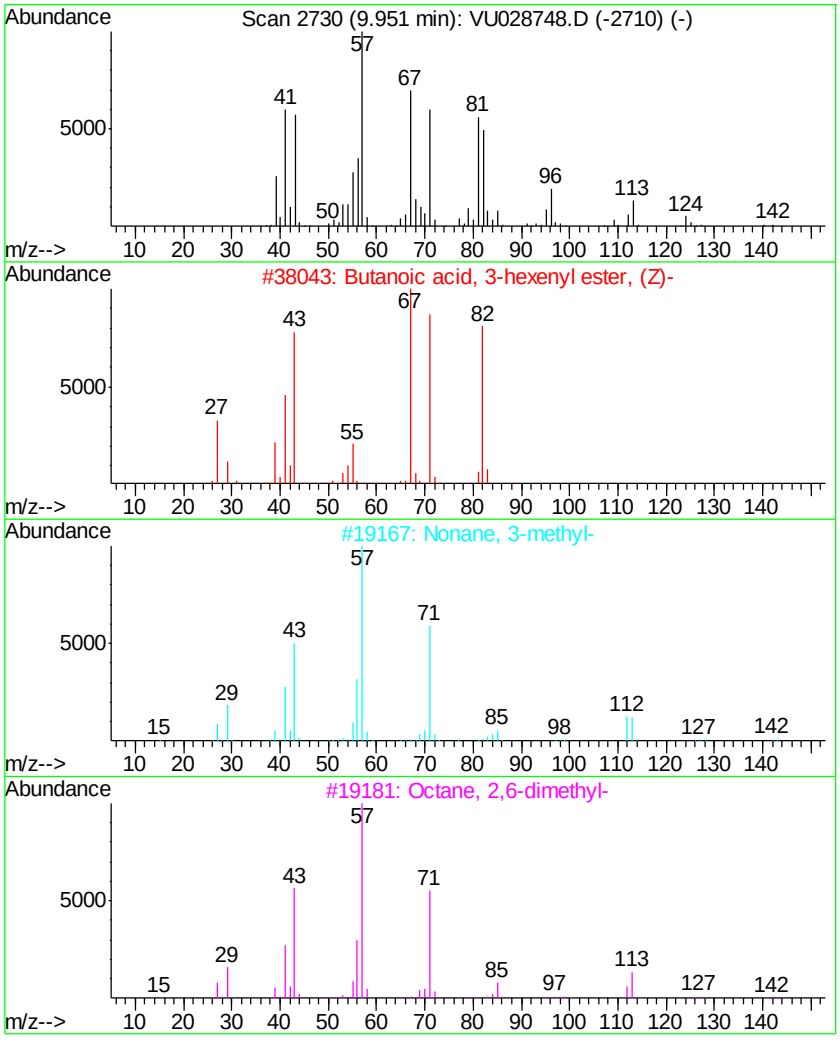
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

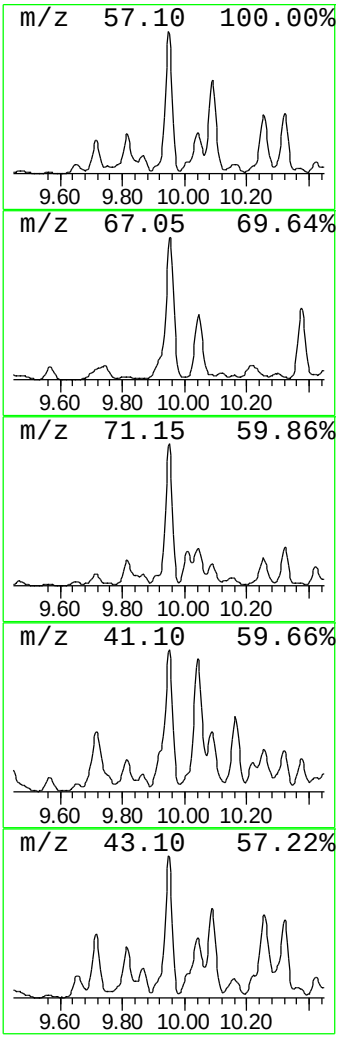
****

Peak Number 1 unknown9.95, Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	112.41 ug/l	896567	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	016491-36-4	47
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	46
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
5	Heptanoic acid, 3-hexenyl ester,...	212	C13H24O2	061444-39-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-I-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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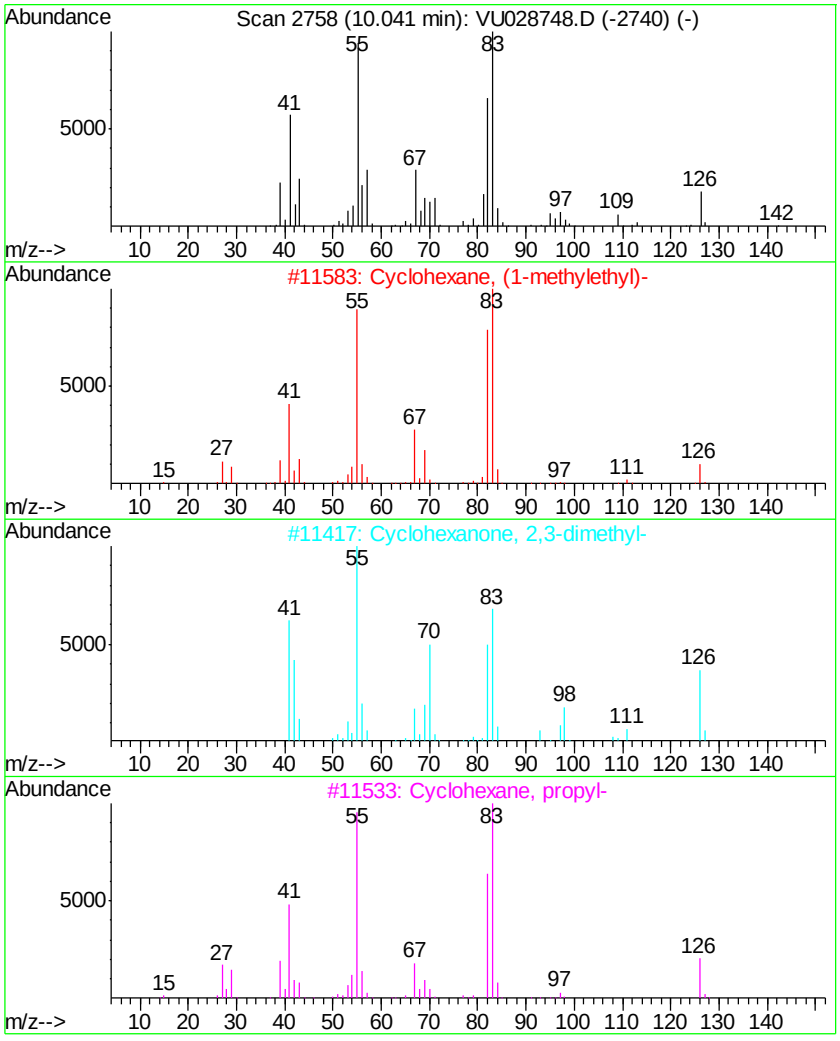
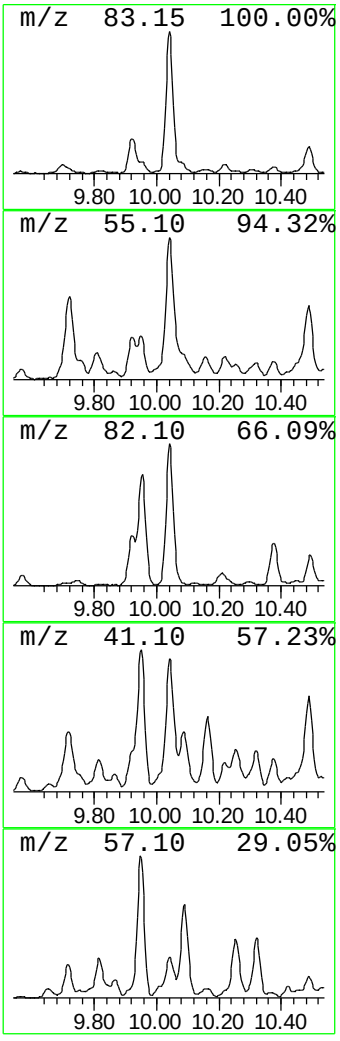
Peak Number 2 Cyclohexane, (1-methylethyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	94.35 ug/l	752526	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	86
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	62
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

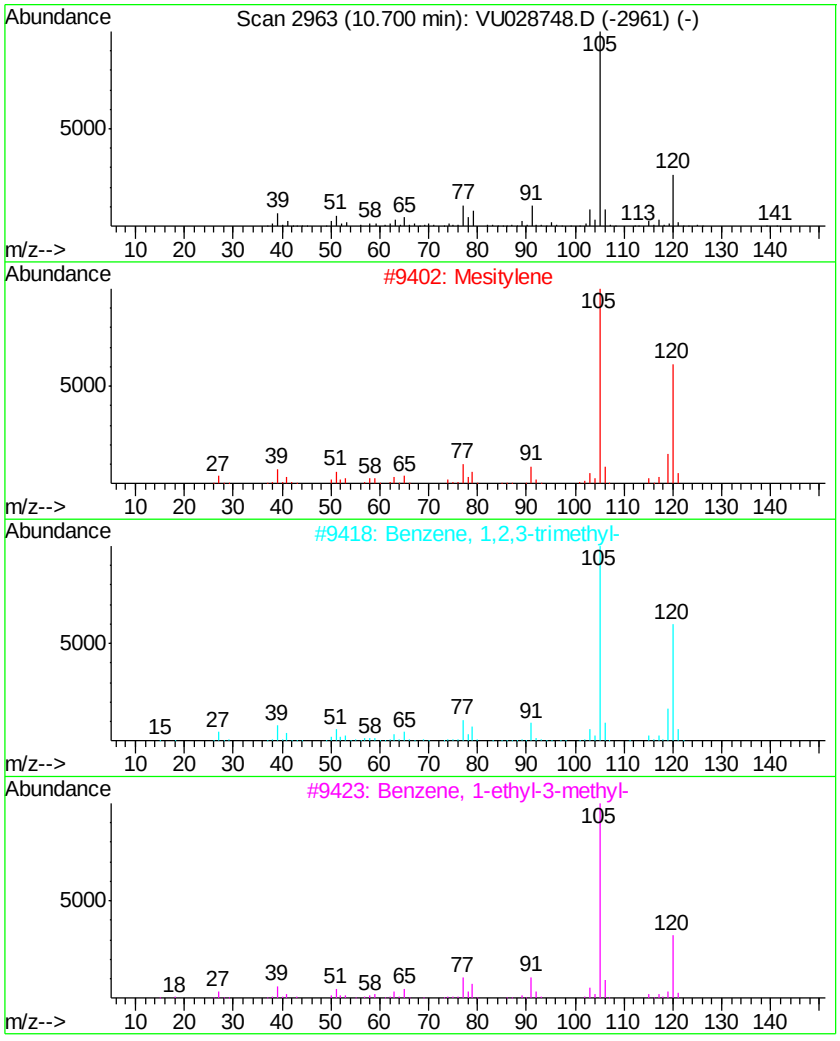
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

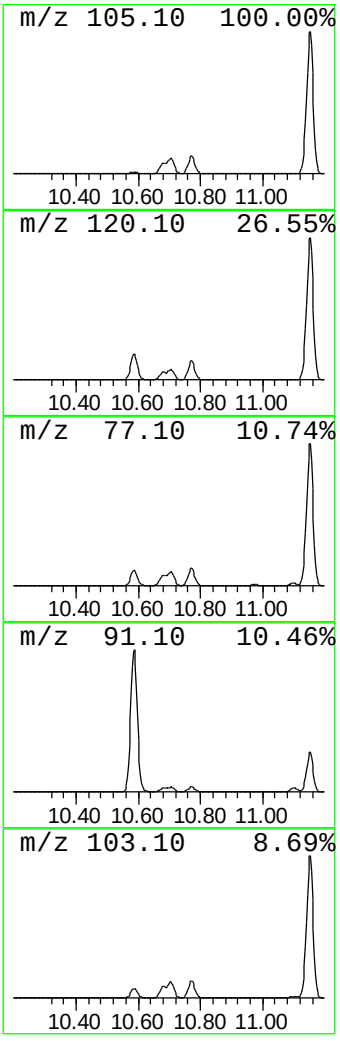
****

Peak Number 3 Mesitylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	68.88 ug/l	1104340	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

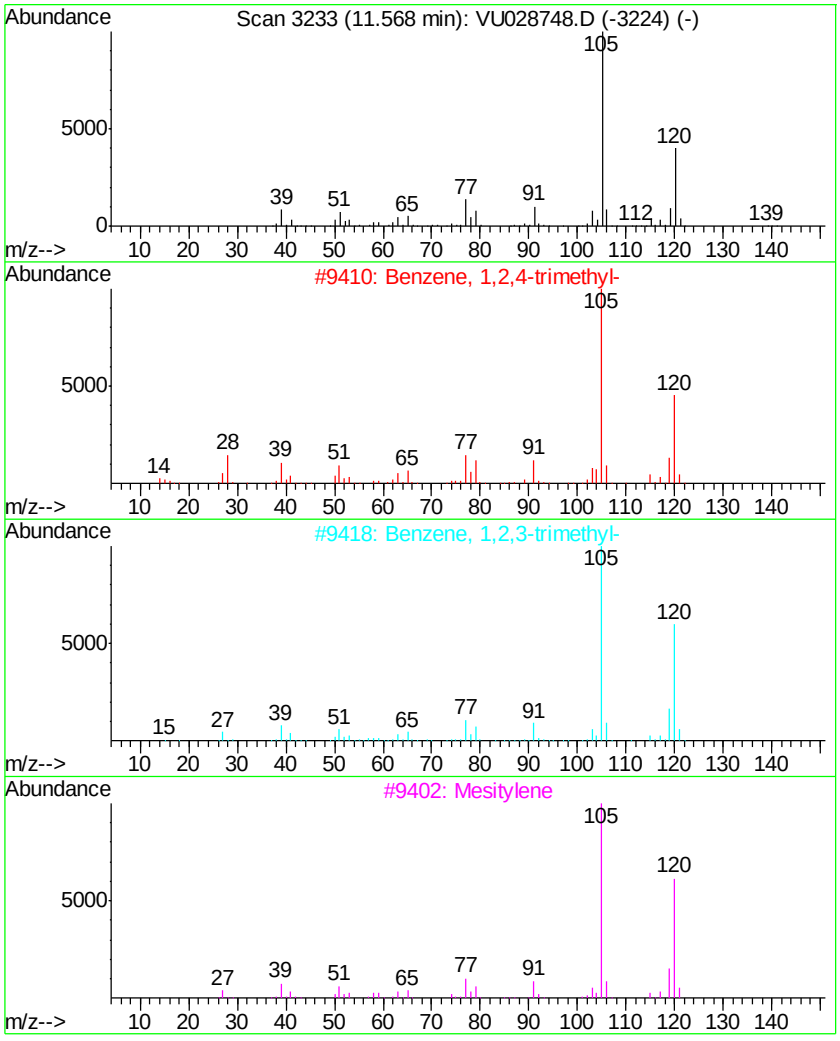
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

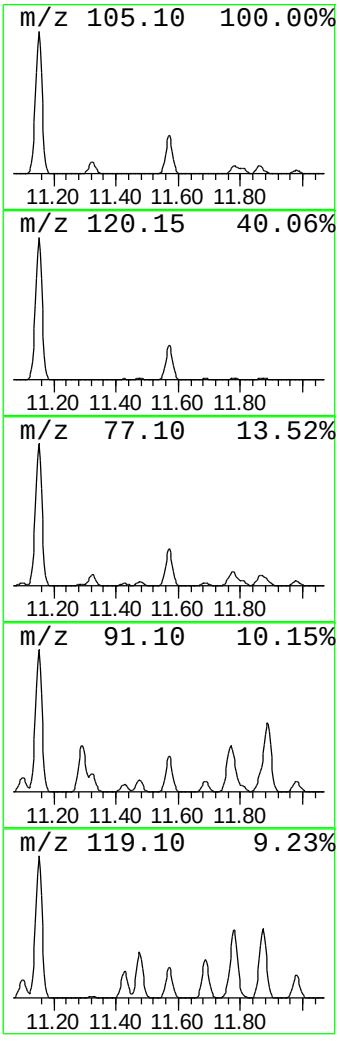
****

Peak Number 4 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	229.42 ug/l	3678280	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

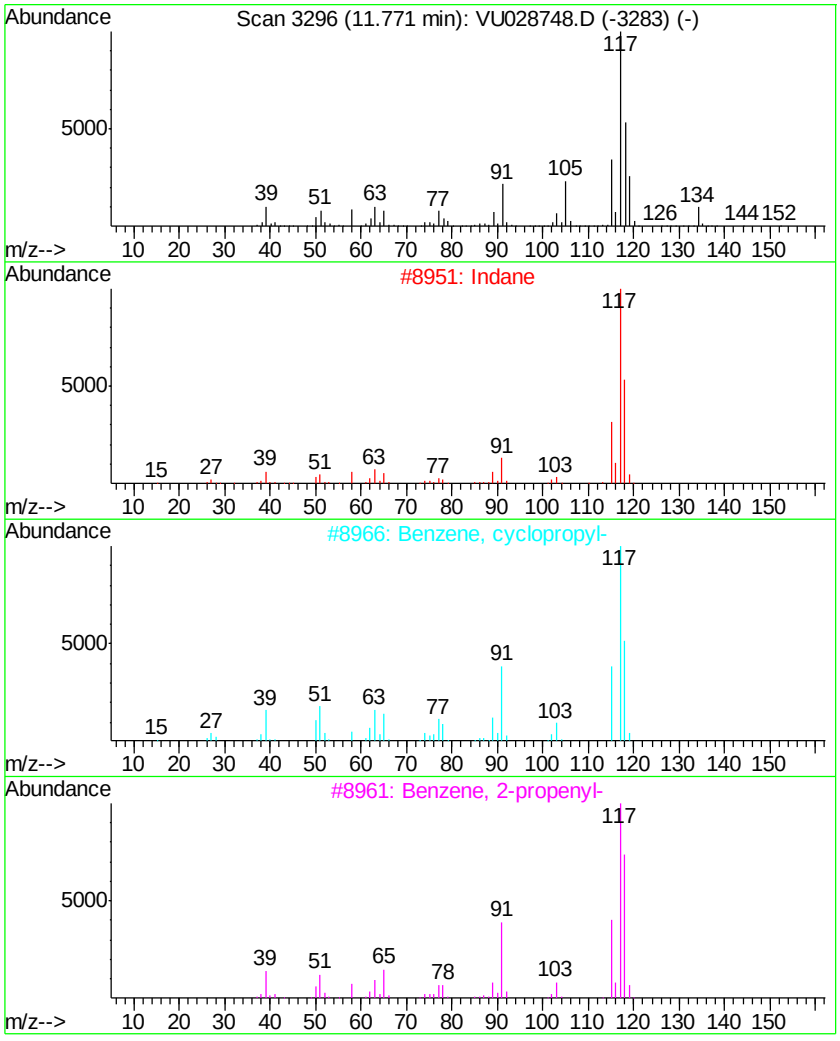
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

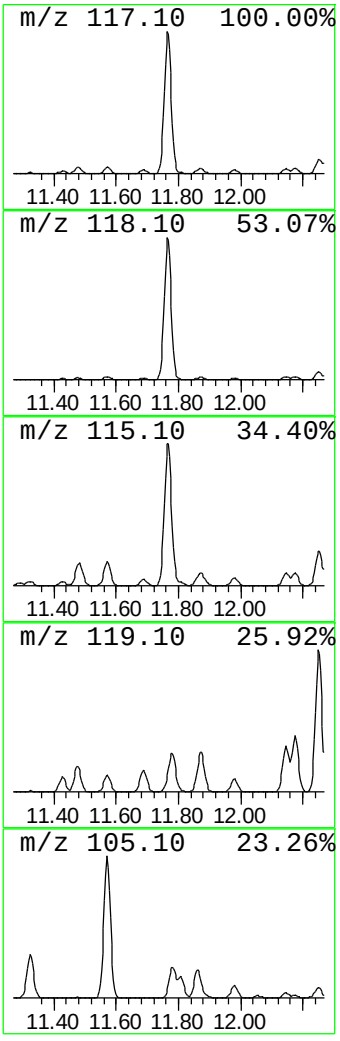
****

Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	277.75 ug/l	4453260	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Deltacyclene	118	C9H10	007785-10-6	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

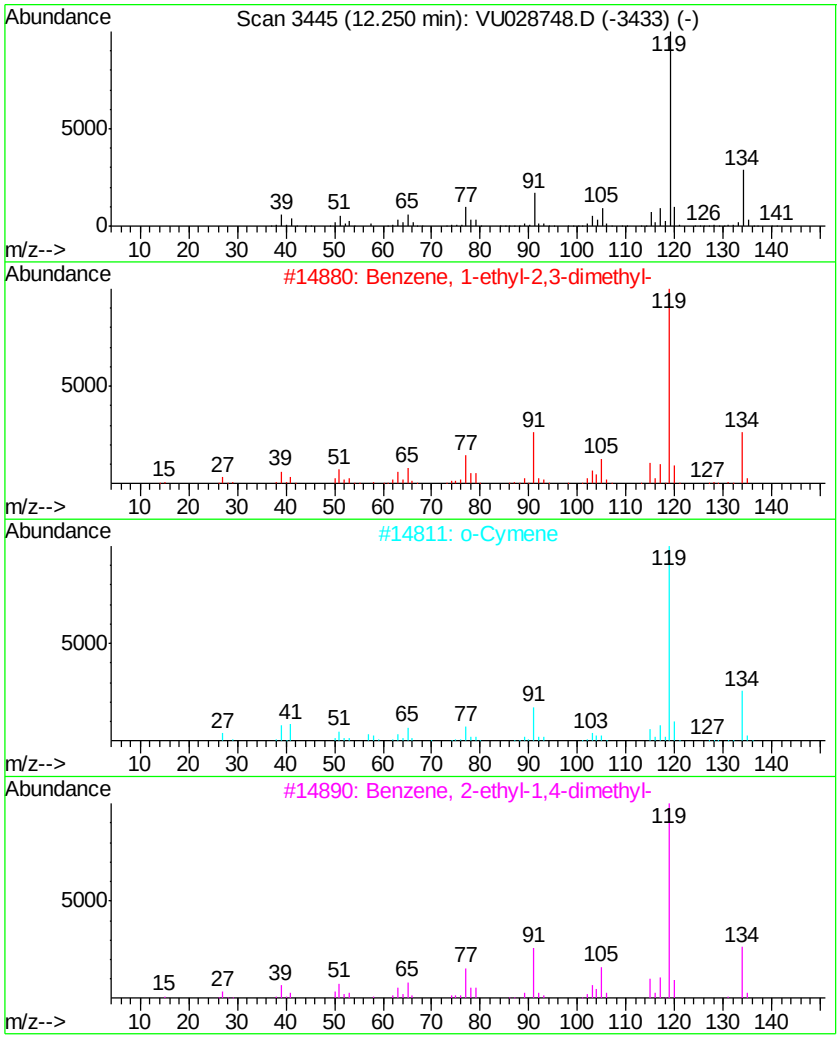
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

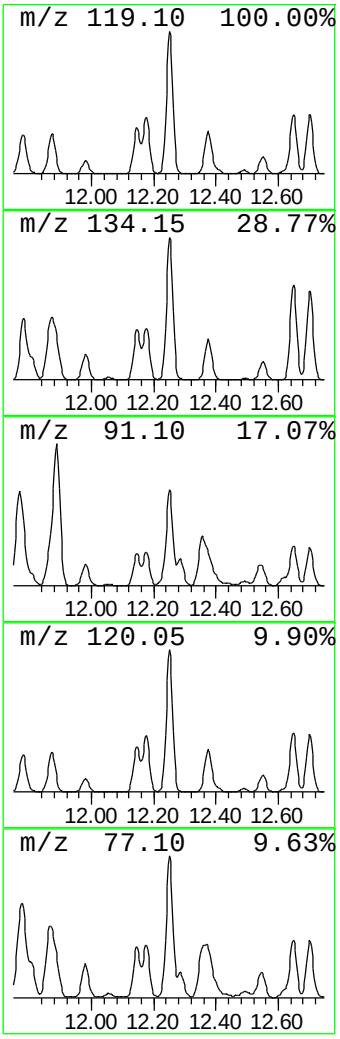
****

Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	170.33 ug/l	2730980	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

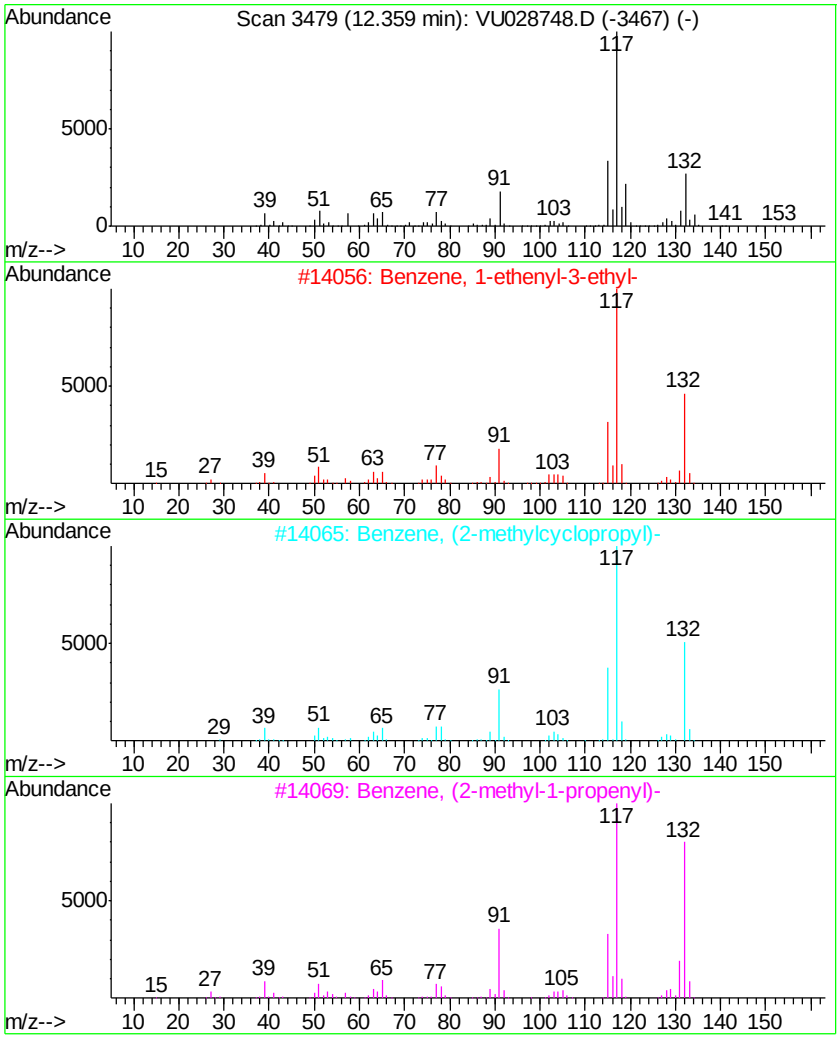
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

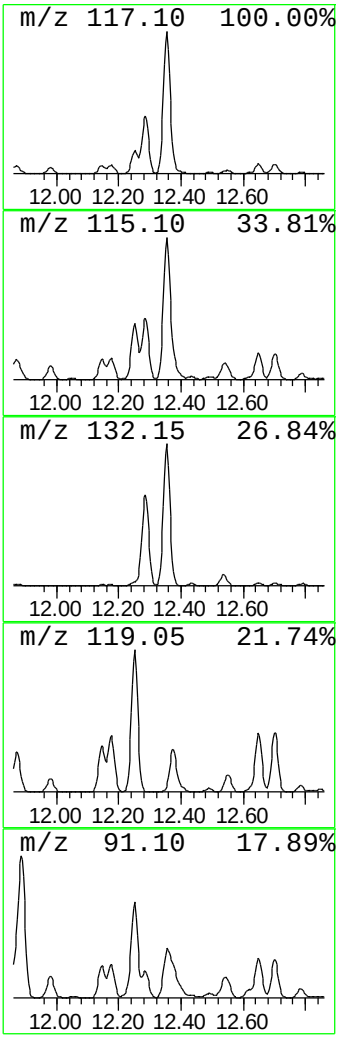
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	164.82 ug/l	2642510	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-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

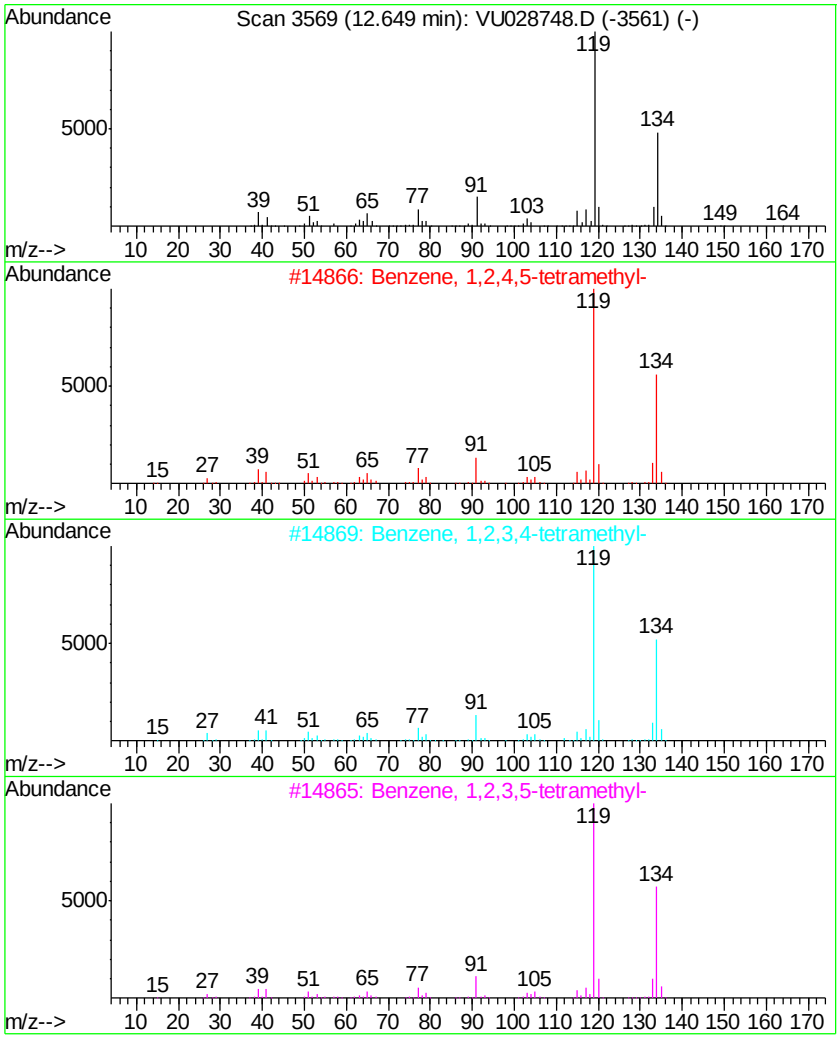
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

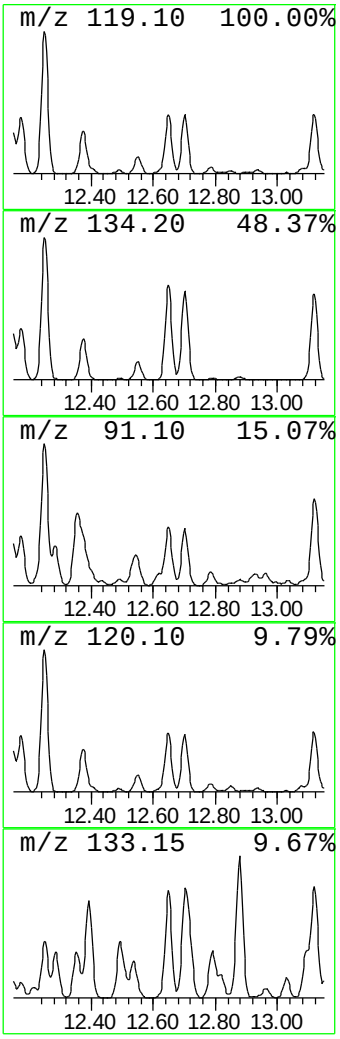
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	80.64 ug/l	1292900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

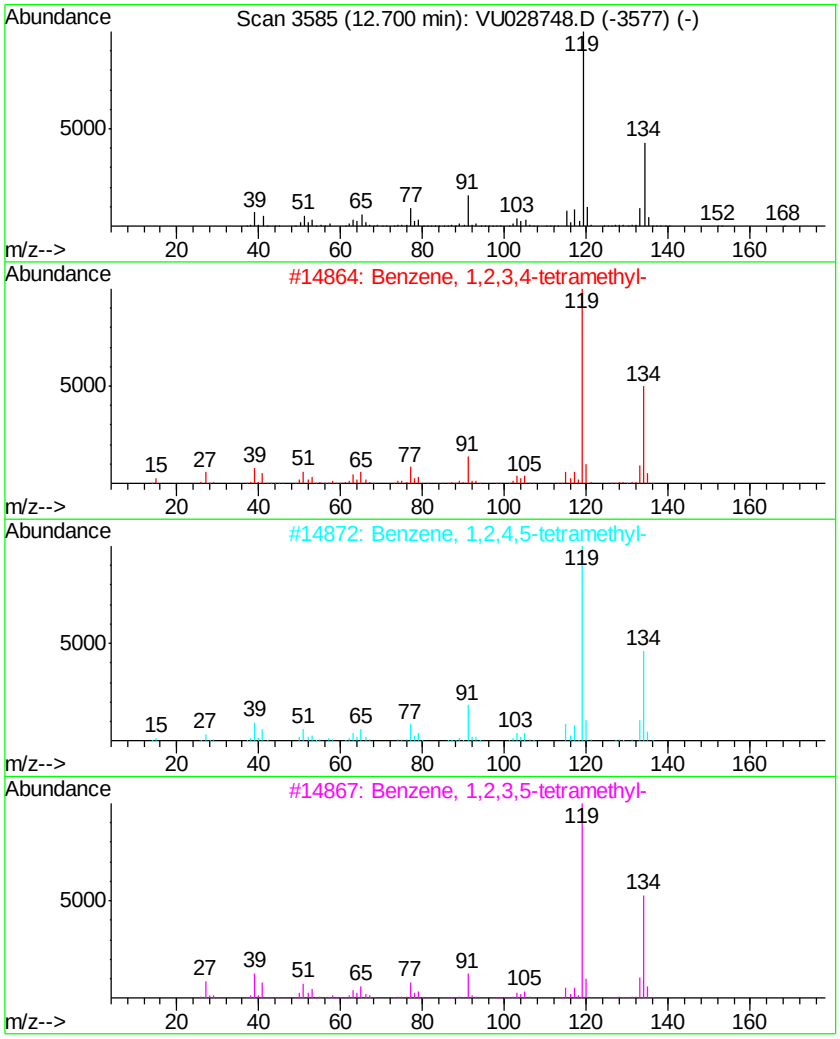
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

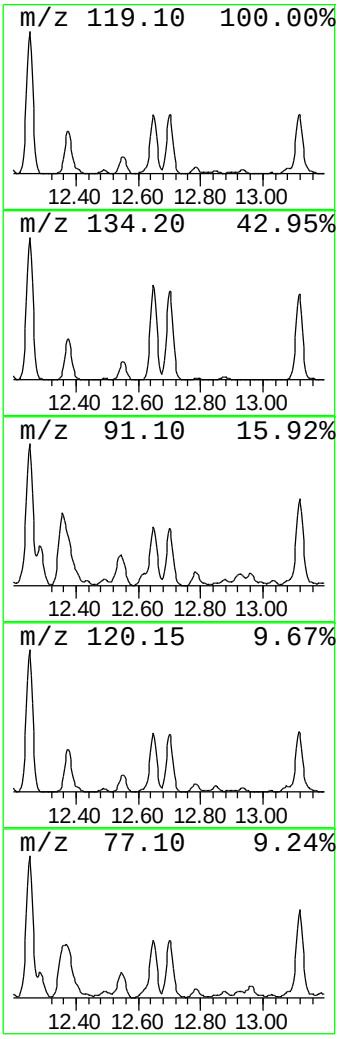
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	79.20 ug/l	1269860	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-2,3-dimethyl-	134	C10H14	000933-98-2	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

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

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

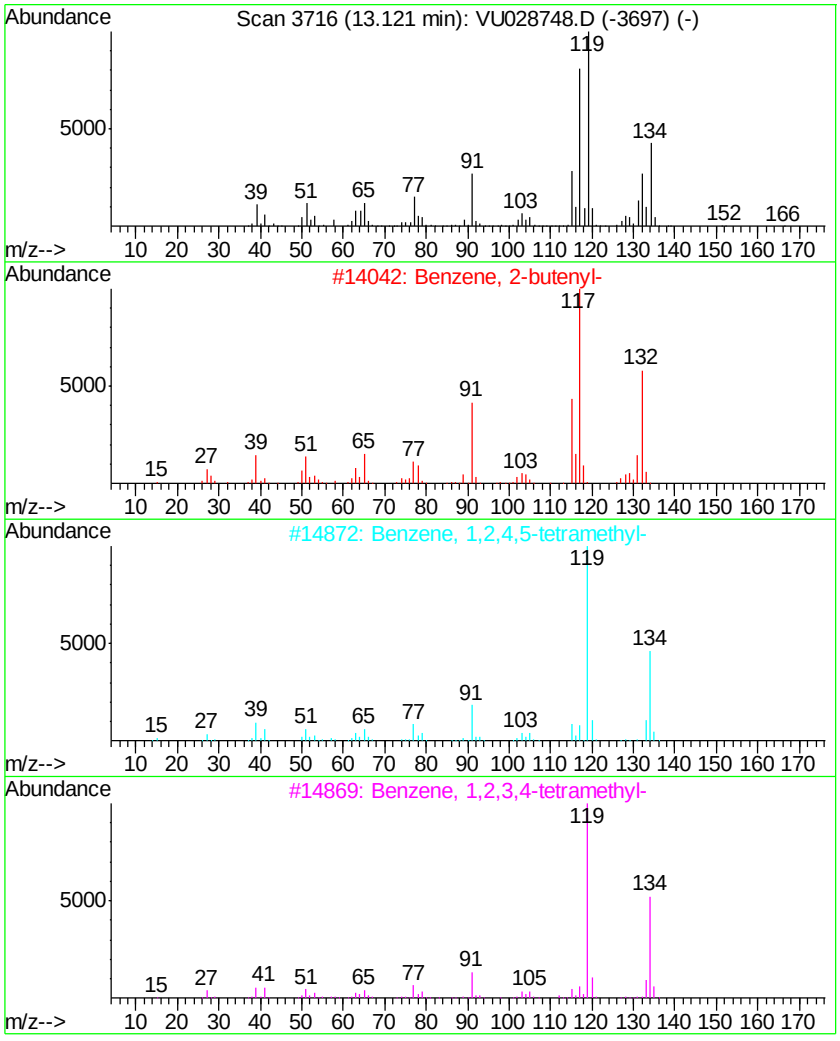
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

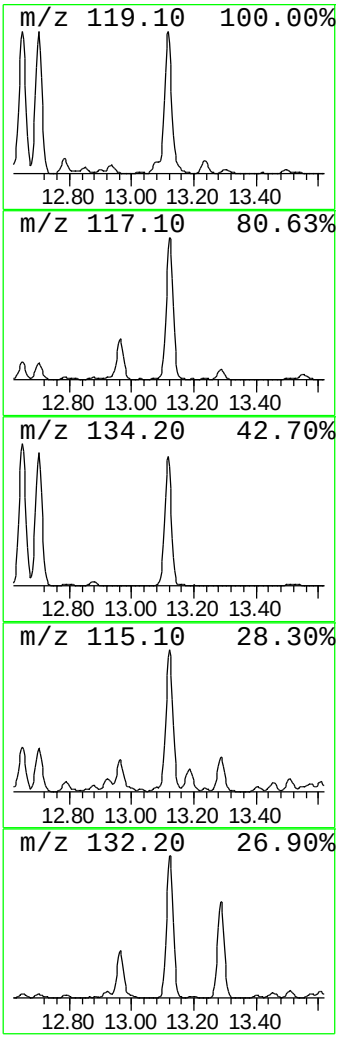
****

Peak Number 10 Benzene, 2-butenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	141.55 ug/l	2269430	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	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
Data File : VU028748.D
Acq On : 18 Dec 2018 03:11
Operator : MD/SY
Sample : J6411-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-I-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
unknown9.95,	9.95	112.4	ug/l	896567	3	9.09	398808	50.0
Cyclohexane, (1-m...	10.04	94.3	ug/l	752526	3	9.09	398808	50.0
Mesitylene	10.70	68.9	ug/l	1104340	4	11.48	801656	50.0
Benzene, 1,2,4-tr...	11.57	229.4	ug/l	3678280	4	11.48	801656	50.0
Indane	11.77	277.8	ug/l	4453260	4	11.48	801656	50.0
Benzene, 1-ethyl-...	12.25	170.3	ug/l	2730980	4	11.48	801656	50.0
Benzene, 1-etheny...	12.36	164.8	ug/l	2642510	4	11.48	801656	50.0
Benzene, 1,2,4,5-...	12.65	80.6	ug/l	1292900	4	11.48	801656	50.0
Benzene, 1,2,3,4-...	12.70	79.2	ug/l	1269860	4	11.48	801656	50.0
Benzene, 2-butenyl-	13.12	141.6	ug/l	2269430	4	11.48	801656	50.0