LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

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\82U090619W.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	1.752	194	206	227	rVB	601041	783354	4.40%	0.816%
2	2.296	362	375	392	rVB	117889	223358	1.25%	0.233%
3	2.695	482	499	518	rBV	692285	1422898	7.99%	1.482%
4	2.984	570	589	612	rBV	1620272	3415892	19.19%	3.558%
5	3.974	878	897	917	rBV	165189	458288	2.57%	0.477%
6	4.862	1157	1173	1190	rBV	279230	646005	3.63%	0.673%
7	4.974	1190	1208	1224	rVV2	3980858	9747889	54.75%	10.154%
8	5.061	1224	1235	1262	rVB	683161	1670536	9.38%	1.740%
9	5.238	1271	1290	1300	rBV	555480	1362848	7.65%	1.420%
10	5.289	1300	1306	1333	rVB	286051	580944	3.26%	0.605%
11	5.460	1342	1359	1370	rBV2	1179837	2666985	14.98%	2.778%
12	5.534	1371	1382	1393	rVV2	1151524	2694740	15.14%	2.807%
13	5.604	1393	1404	1428	rVB	1450861	3205628	18.00%	3.339%
14	5.868	1472	1486	1514	rBV	483344	997306	5.60%	1.039%
15	6.395	1626	1650	1678	rBV	8166601	17804397	100.00%	18.546%
16	6.720	1736	1751	1768	rVB2	291584	604999	3.40%	0.630%
17	6.887	1787	1803	1825	rBV4	392191	1039392	5.84%	1.083%
18	7.029	1833	1847	1859	rBV	282113	611255	3.43%	0.637%
19	7.238	1896	1912	1922	rBV	213208	439887	2.47%	0.458%
20	7.508	1982	1996	2001	rBV2	1139183	2022570	11.36%	2.107%
21	7.543	2002	2007	2038	rVV3	1584859	2780483	15.62%	2.896%
22	7.688	2038	2052	2065	rVV	509691	1110954	6.24%	1.157%
23	7.755	2066	2073	2086	rVB	263436	469230	2.64%	0.489%
24	7.897	2105	2117	2139	rVB	1062262	1922743	10.80%	2.003%
25	8.026	2140	2157	2169	rBV	474594	876577	4.92%	0.913%
26	8.469	2278	2295	2303	rBV	241930	457110	2.57%	0.476%
27	8.524	2303	2312	2322	rVV	935608	1518397	8.53%	1.582%
28	8.585	2322	2331	2341	rVB	464778	772695	4.34%	0.805%
29	8.826	2389	2406	2432	rVB2	93779	205482	1.15%	0.214%
30	9.070	2470	2482	2497	rBV	693183	1169345	6.57%	1.218%
31	9.167	2500	2512	2522	rVV	351881	636738	3.58%	0.663%
32	9.341	2554	2566	2587	rBV5	188725	628949	3.53%	0.655%
33	9.704	2661	2679	2697	rBV5	119747	413478	2.32%	0.431%
34	9.932	2724	2750	2768	rBV2	213796	476325	2.68%	0.496%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

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\82U090619W.M
Title : SW846 8260

35	10.025	2768	2779	2794	rBV5	113314	234630	1.32%	0.244%
36	10.144	2806	2816	2828	rBV	673002	1062713	5.97%	1.107%
37	10.286	2849	2860	2873	rBV	824686	1324590	7.44%	1.380%
38	10.566	2936	2947	2972	rVB	589066	940177	5.28%	0.979%
39	11.270	3148	3166	3169	rBV2	140074	239087	1.34%	0.249%
40	11.302	3169	3176	3193	rVB	364048	598759	3.36%	0.624%
41	11.463	3214	3226	3241	rBV	1002878	1614089	9.07%	1.681%
42	11.550	3241	3253	3266	rVV	1467841	2215770	12.45%	2.308%
43	11.665	3278	3289	3301	rBV	264394	411979	2.31%	0.429%
44	11.752	3302	3316	3329	rBV3	940857	1920445	10.79%	2.000%
45	11.842	3335	3344	3368	rVB2	197427	472177	2.65%	0.492%
46	11.958	3368	3380	3393	rBV	324346	516163	2.90%	0.538%
47	12.231	3440	3465	3471	rBV	984851	1650994	9.27%	1.720%
48	12.263	3471	3475	3486	rVV	547855	778410	4.37%	0.811%
49	12.334	3487	3497	3516	rVV3	734039	1897049	10.65%	1.976%
50	12.527	3545	3557	3570	rVB4	524128	1024342	5.75%	1.067%
51	12.630	3570	3589	3601	rBV	722010	1213279	6.81%	1.264%
52	12.768	3621	3632	3644	rBV2	131866	211981	1.19%	0.221%
53	12.906	3666	3675	3681	rVV3	158257	259159	1.46%	0.270%
54	13.099	3711	3735	3746	rBV2	2149937	3516906	19.75%	3.663%
55	13.266	3779	3787	3808	rVB2	356482	622277	3.50%	0.648%
56	13.488	3847	3856	3864	rBV4	367628	567030	3.18%	0.591%
57	13.556	3865	3877	3882	rBV4	177958	332152	1.87%	0.346%
58	13.588	3882	3887	3894	rVB	187986	248773	1.40%	0.259%
59	13.720	3914	3928	3937	rBV2	489745	896074	5.03%	0.933%
60	13.768	3937	3943	3955	rVV2	163933	263750	1.48%	0.275%
61	13.942	3986	3997	4006	rBV4	127595	276553	1.55%	0.288%
62	14.135	4046	4057	4062	rBV	128736	228601	1.28%	0.238%
63	14.311	4102	4112	4137	rVB2	232438	534269	3.00%	0.557%
64	14.520	4168	4177	4189	rVB5	150422	280754	1.58%	0.292%
65	14.659	4209	4220	4236	rBV4	164062	340697	1.91%	0.355%
66	14.855	4271	4281	4292	rBV	757993	1226381	6.89%	1.277%
67	15.041	4328	4339	4354	rBV	919821	1557662	8.75%	1.623%
68	15.897	4595	4605	4627	rBV3	138809	307918	1.73%	0.321%
69	16.041	4640	4650	4657	rBV	230836	377880	2.12%	0.394%

Sum of corrected areas: 96001147

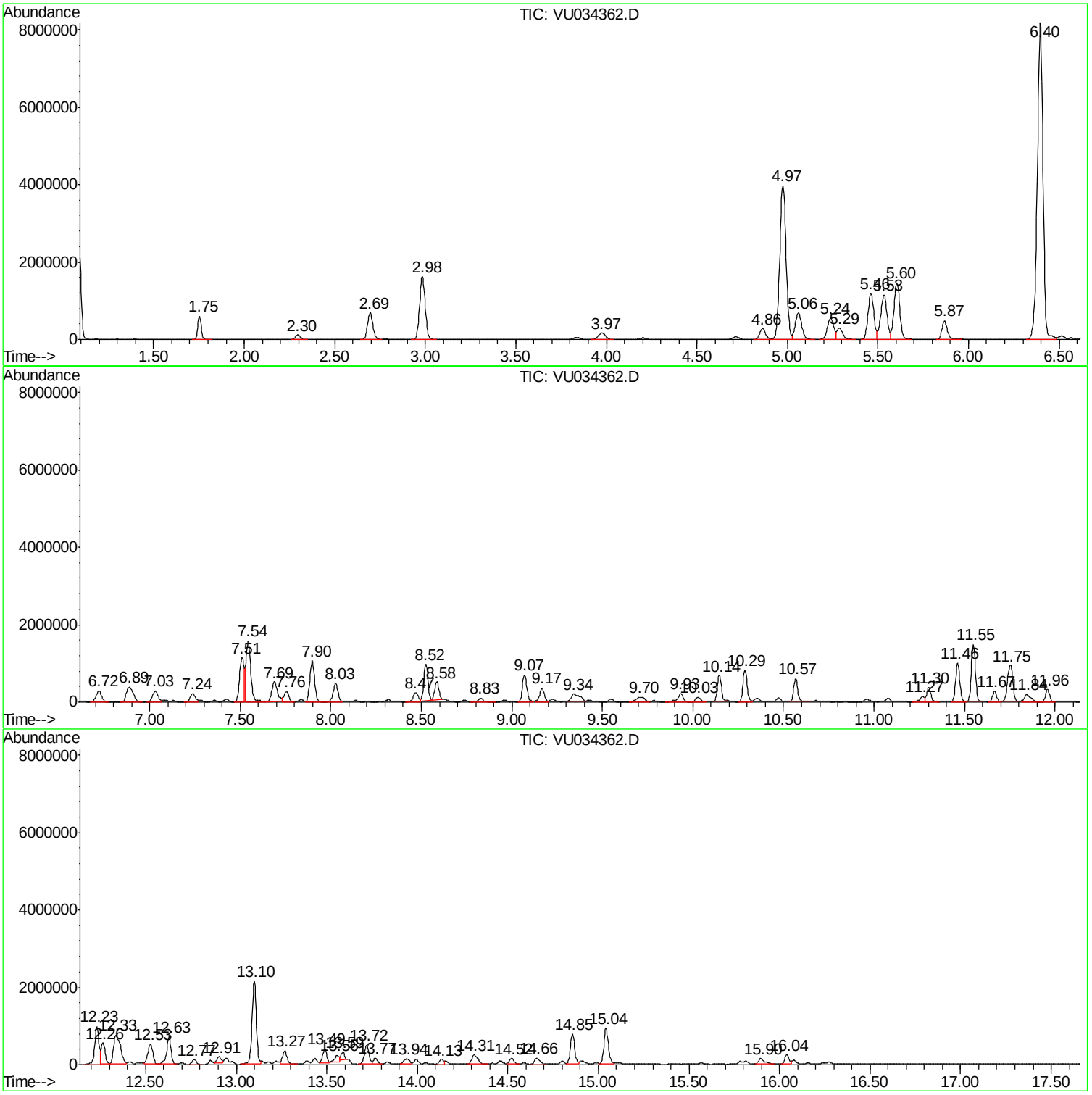
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.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\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

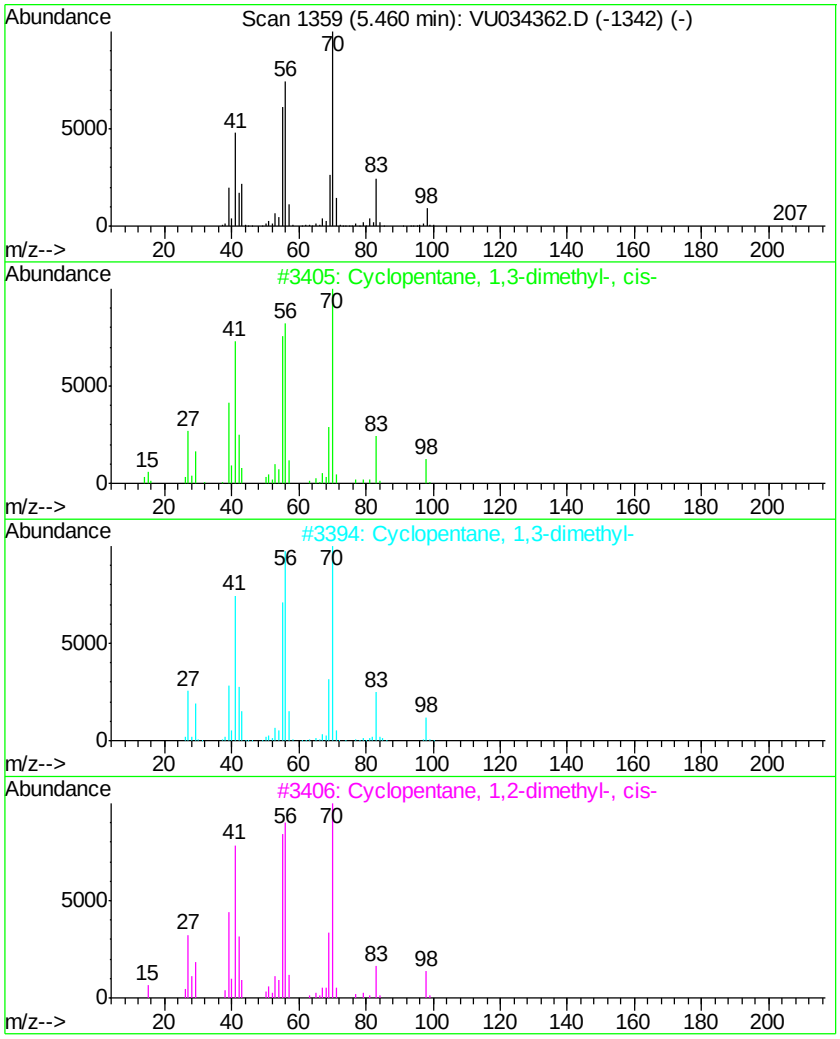
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

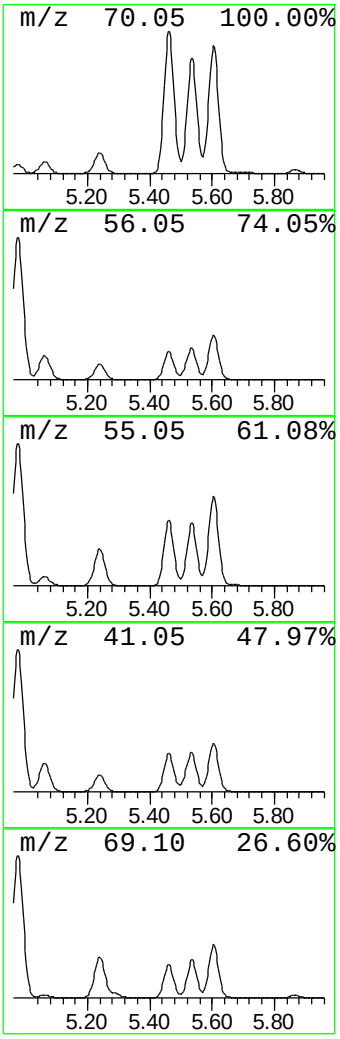
****

Peak Number 1 Cyclopentane, 1,3-dimethyl-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	133.71 ug/l	2666990	1,4-Difluorobenzene	5.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	76
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

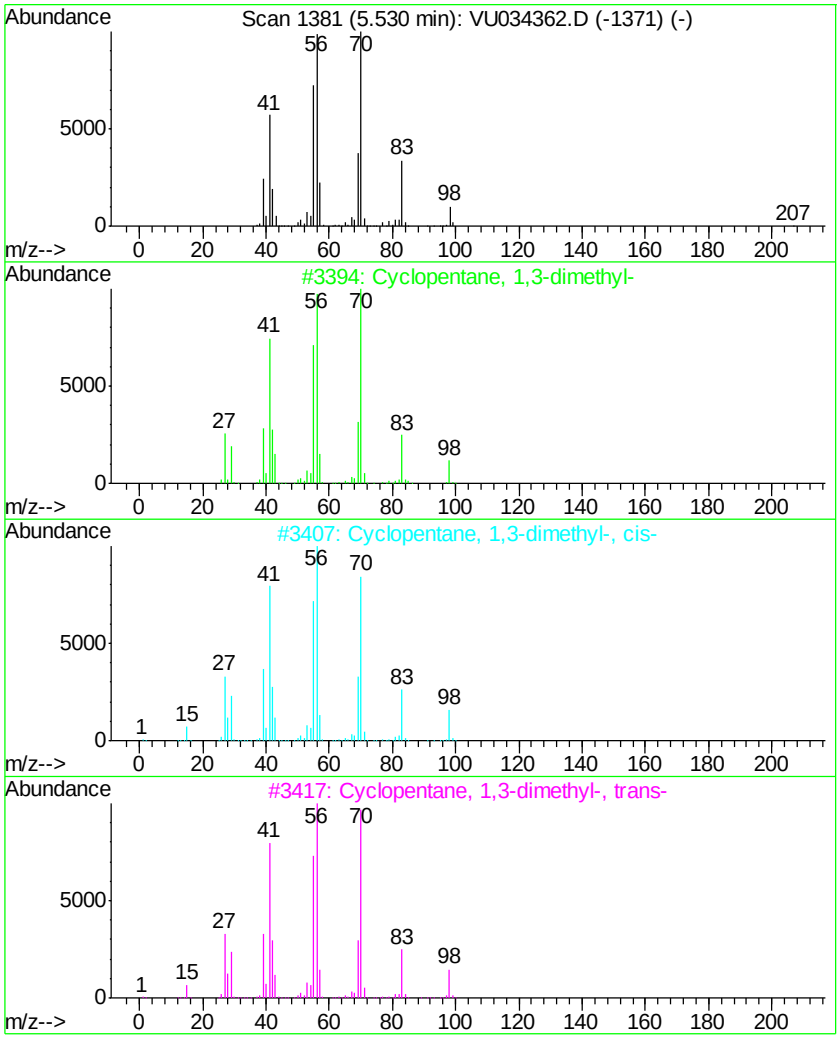
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

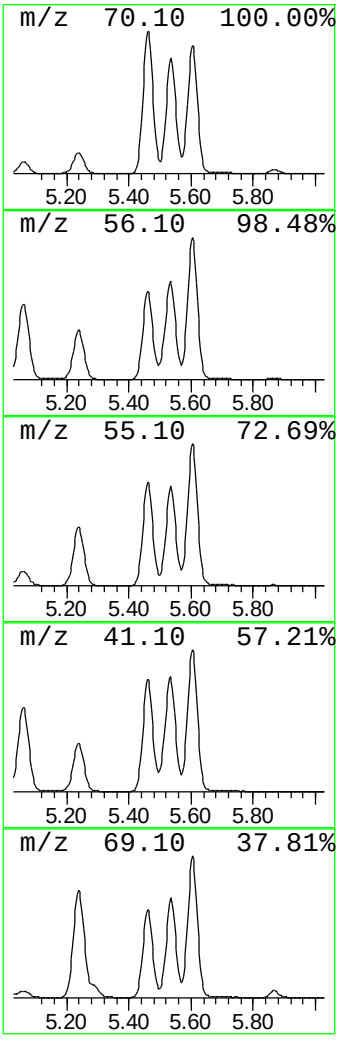
****

Peak Number 2 Cyclopentane, 1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	135.10 ug/l	2694740	1,4-Difluorobenzene	5.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

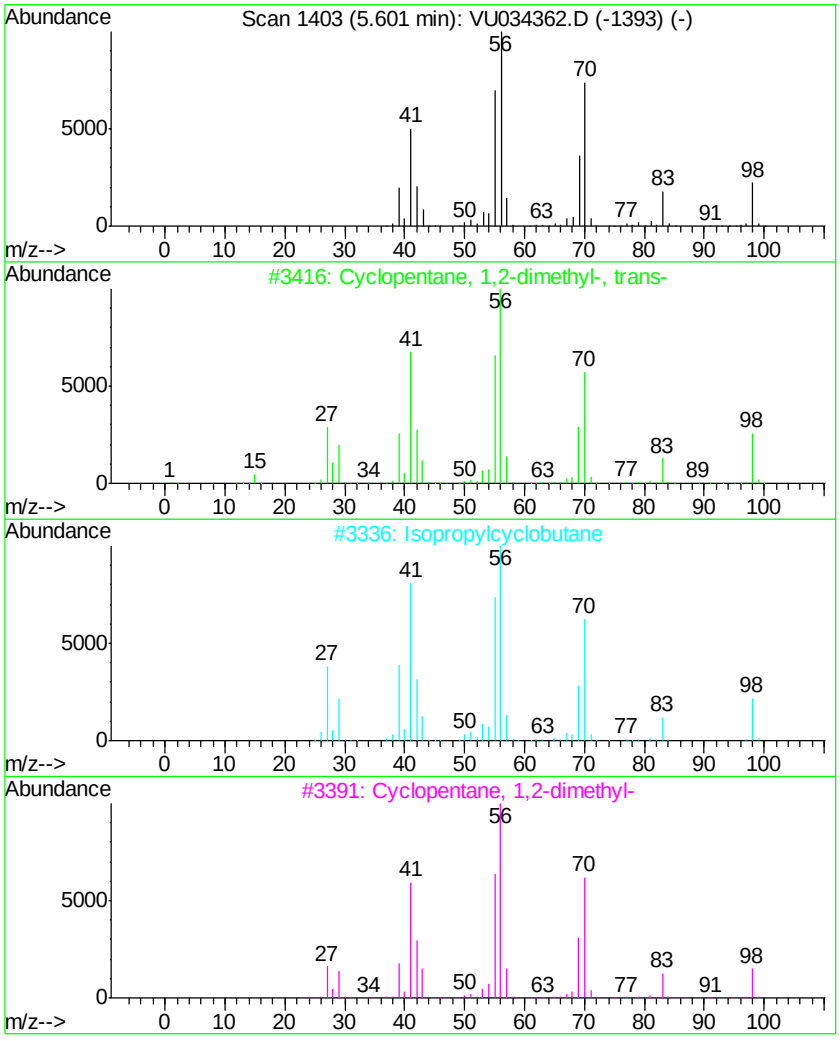
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

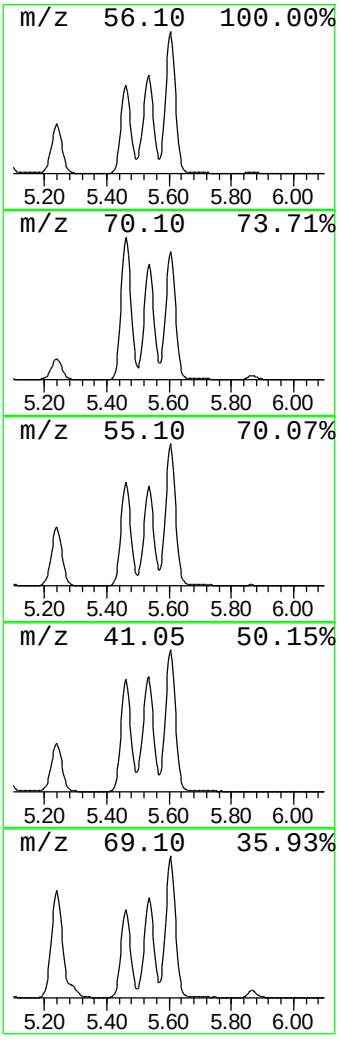
****

Peak Number 3 Cyclopentane, 1,2-dimethyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	160.71 ug/l	3205630	1,4-Difluorobenzene	5.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	94
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

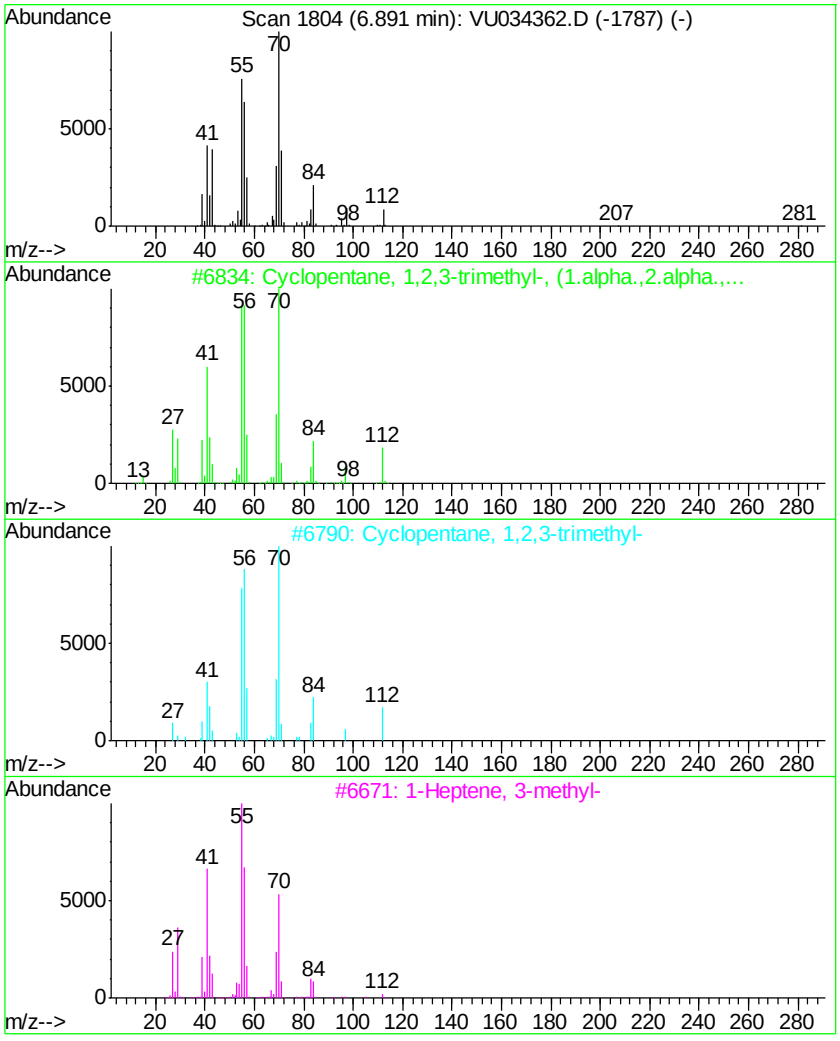
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

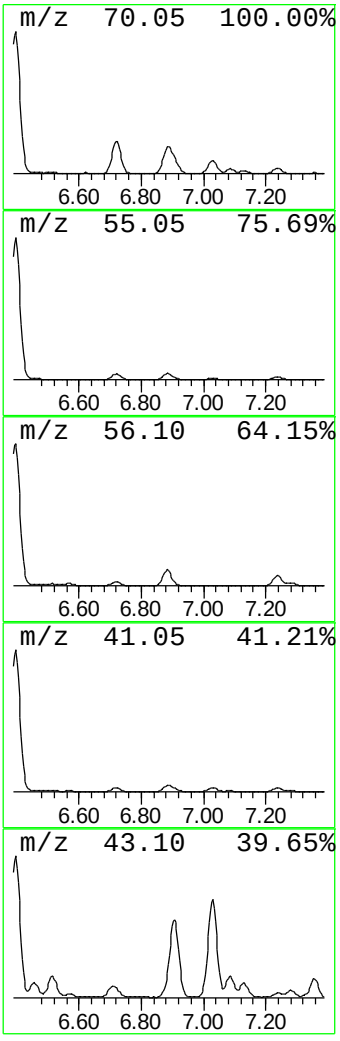
****

Peak Number 4 Cyclopentane, 1,2,3-trimeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	52.11 ug/l	1039390	1,4-Difluorobenzene	5.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
3	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	80
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

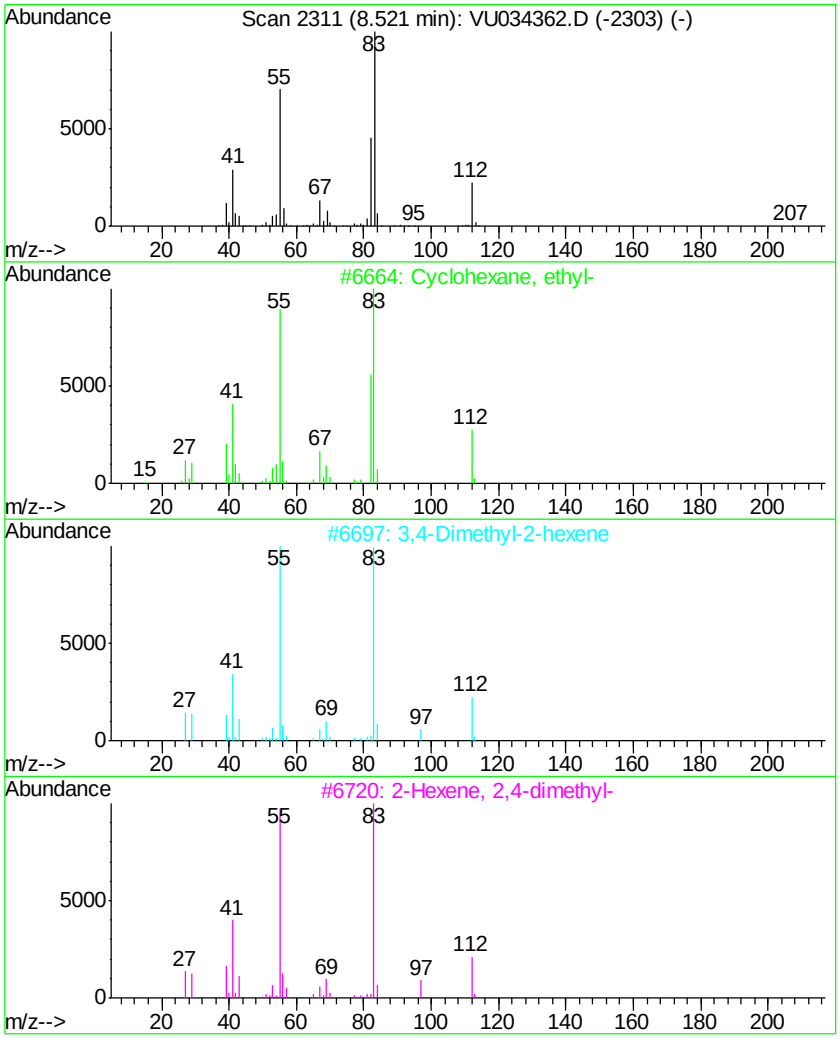
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

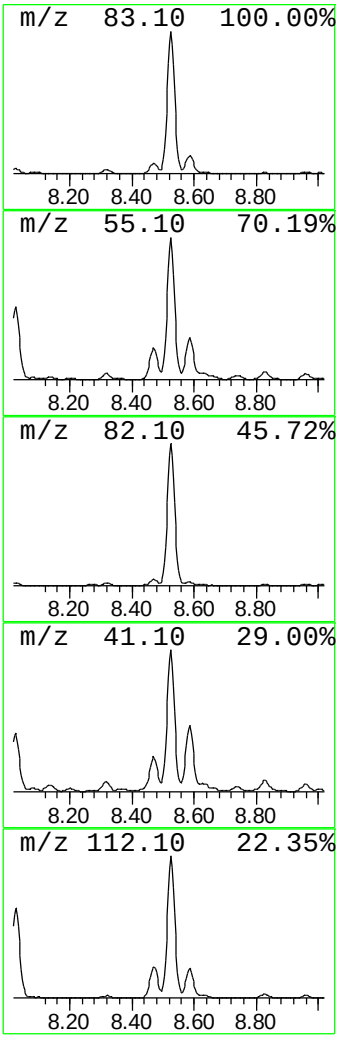
****

Peak Number 6 Cyclohexane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	64.93 ug/l	1518400	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	93
2	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	68
3	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	68
4	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	59
5	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

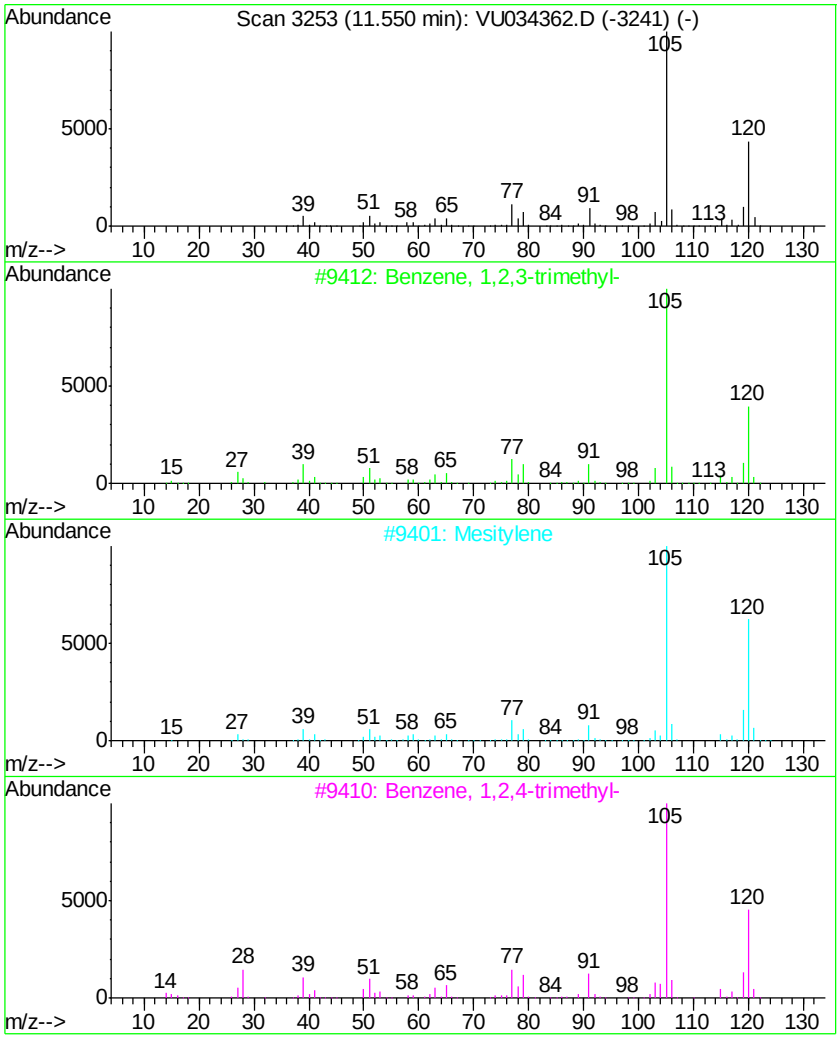
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

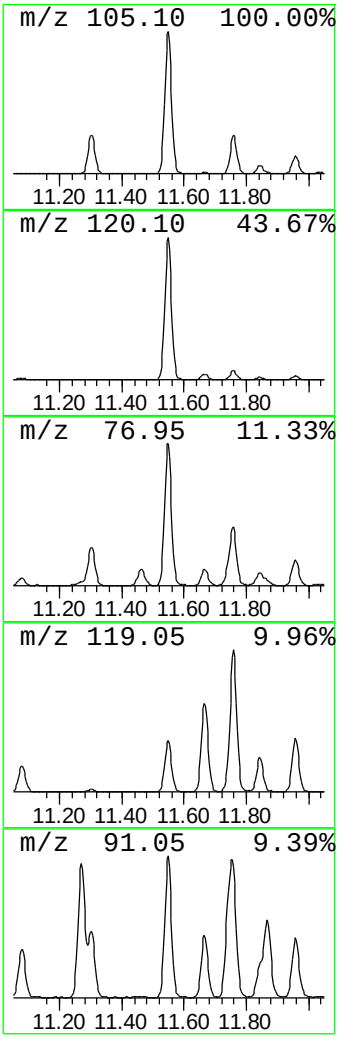
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	68.64 ug/l	2215770	1,4-Dichlorobenzene-d4	11.46

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	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\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

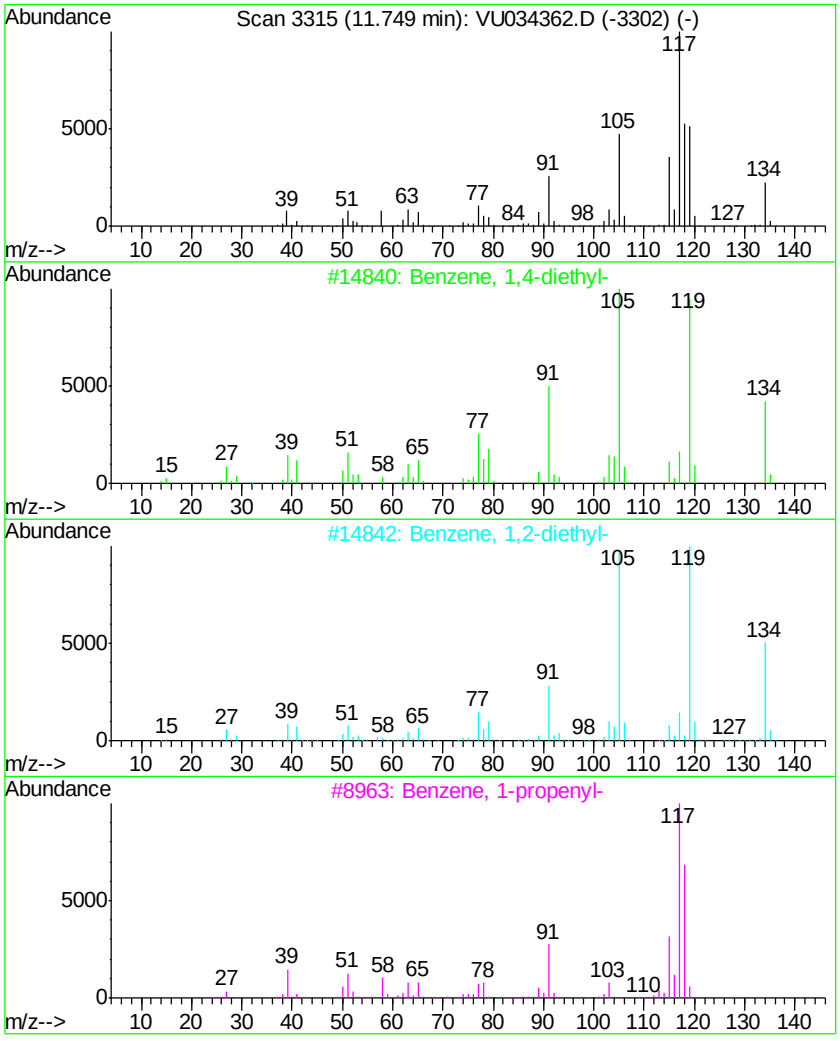
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

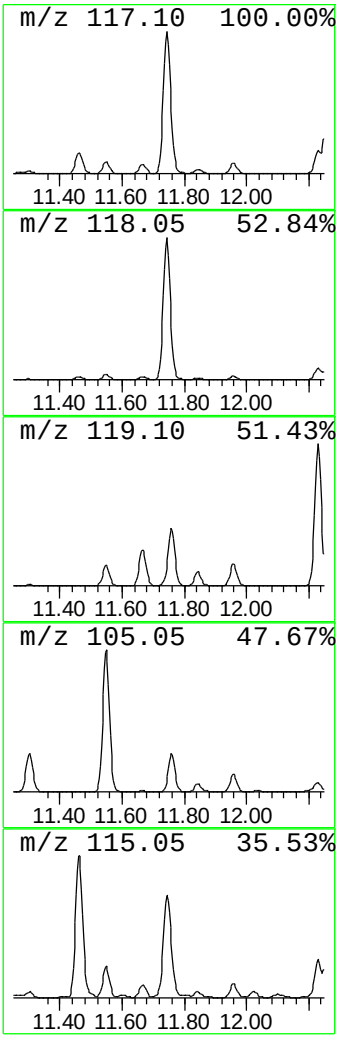
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	59.49 ug/l	1920450	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	55
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

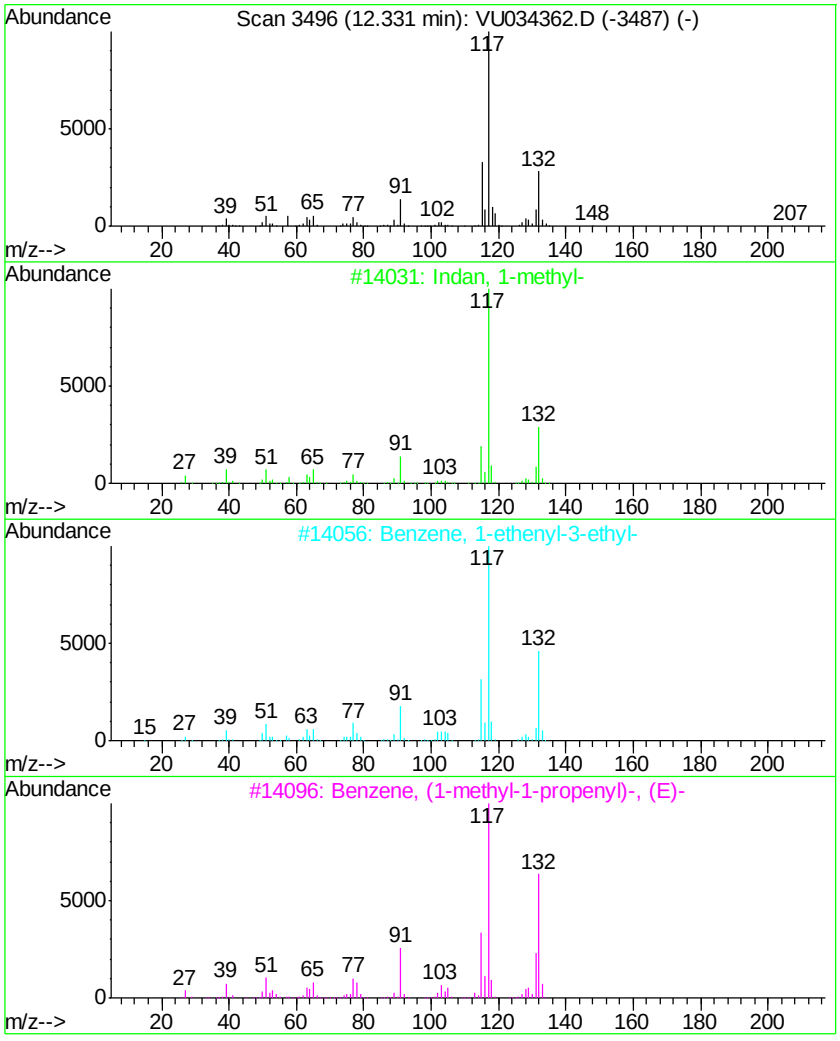
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

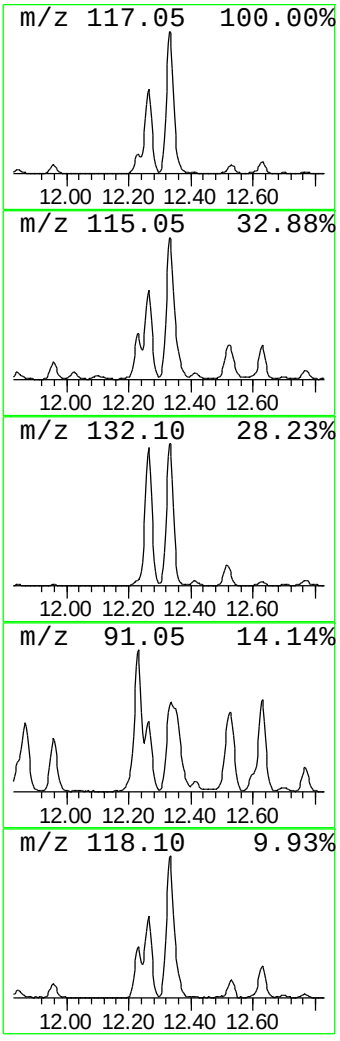
****

Peak Number 9 Indan, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	58.77 ug/l	1897050	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

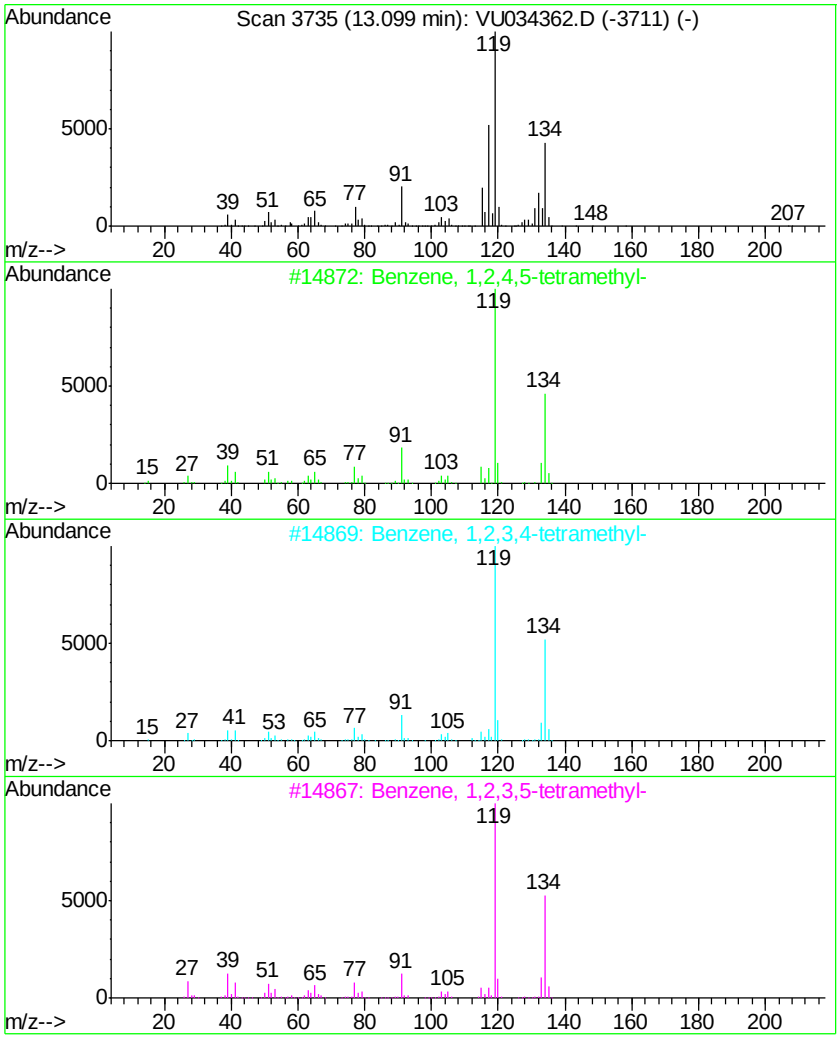
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

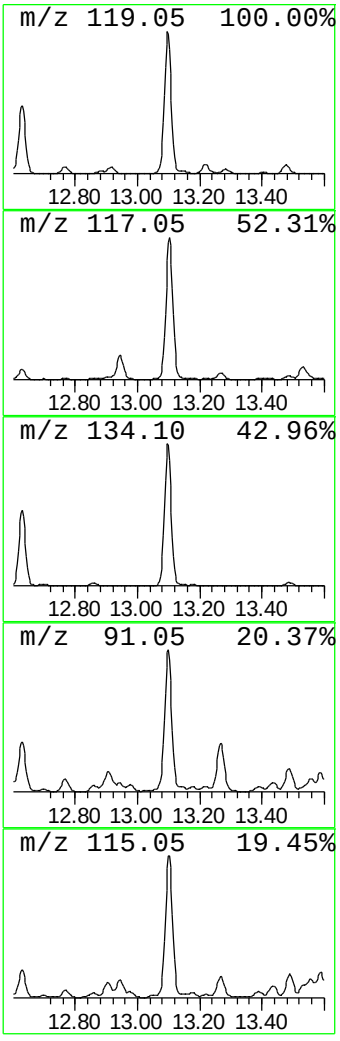
****

Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	108.94 ug/l	3516910	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
5	p-Cymene	134	C10H14	000099-87-6	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034362.D
Acq On : 07 Sep 2019 04:09
Operator : JC/SP
Sample : K4725-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0267

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.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
Cyclopentane, 1,3...	5.46	133.7	ug/l	2666990	2	5.87	997306	50.0
Cyclopentane, 1,3...	5.53	135.1	ug/l	2694740	2	5.87	997306	50.0
Cyclopentane, 1,2...	5.60	160.7	ug/l	3205630	2	5.87	997306	50.0
Cyclopentane, 1,2...	6.89	52.1	ug/l	1039390	2	5.87	997306	50.0
Cyclohexane, ethyl-	8.52	64.9	ug/l	1518400	3	9.07	1169350	50.0
Benzene, 1,2,3-tr...	11.55	68.6	ug/l	2215770	4	11.46	1614090	50.0
Benzene, 1,4-diet...	11.75	59.5	ug/l	1920450	4	11.46	1614090	50.0
Indan, 1-methyl-	12.33	58.8	ug/l	1897050	4	11.46	1614090	50.0
Benzene, 1,2,4,5-...	13.10	108.9	ug/l	3516910	4	11.46	1614090	50.0