LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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	196	206	227	rVB	683666	892313	4.82%	0.875%
2	2.296	362	375	395	rVB	140246	265648	1.44%	0.260%
3	2.695	483	499	517	rBV	787965	1616725	8.74%	1.585%
4	2.984	569	589	614	rBV	1833514	3857583	20.84%	3.782%
5	3.974	876	897	918	rBV2	202962	564511	3.05%	0.553%
6	4.714	1105	1127	1156	rBV3	72826	204497	1.10%	0.200%
7	4.862	1156	1173	1189	rBV	268620	619636	3.35%	0.607%
8	4.974	1189	1208	1224	rVV2	4077144	9949833	53.76%	9.755%
9	5.061	1224	1235	1258	rVB	787028	1889467	10.21%	1.852%
10	5.238	1271	1290	1300	rBV	597254	1455904	7.87%	1.427%
11	5.289	1301	1306	1328	rVB	275878	521876	2.82%	0.512%
12	5.460	1342	1359	1370	rBV2	1292014	2921344	15.78%	2.864%
13	5.534	1371	1382	1393	rVV2	1264556	2994046	16.18%	2.935%
14	5.604	1393	1404	1440	rVB	1544665	3439099	18.58%	3.372%
15	5.868	1473	1486	1509	rBV	466460	961232	5.19%	0.942%
16	6.395	1625	1650	1666	rBV	8566473	18508353	100.00%	18.145%
17	6.720	1735	1751	1771	rVB	334760	695768	3.76%	0.682%
18	6.887	1787	1803	1829	rBV3	440265	1164705	6.29%	1.142%
19	7.029	1832	1847	1859	rBV	320983	681909	3.68%	0.669%
20	7.238	1895	1912	1923	rBV	230430	485264	2.62%	0.476%
21	7.508	1982	1996	2001	rBV2	1220864	2168175	11.71%	2.126%
22	7.543	2002	2007	2037	rVV2	1607324	2804120	15.15%	2.749%
23	7.688	2039	2052	2065	rVV2	542526	1191560	6.44%	1.168%
24	7.755	2066	2073	2087	rVB	284268	504638	2.73%	0.495%
25	7.897	2105	2117	2138	rVB	1123583	2016647	10.90%	1.977%
26	8.026	2140	2157	2169	rBV	504351	928097	5.01%	0.910%
27	8.469	2277	2295	2303	rBV	253964	487479	2.63%	0.478%
28	8.524	2303	2312	2322	rVV	980119	1606847	8.68%	1.575%
29	8.585	2322	2331	2341	rVB	516726	859417	4.64%	0.843%
30	8.826	2389	2406	2433	rVB4	101236	238079	1.29%	0.233%
31	9.070	2471	2482	2497	rBV	704366	1173204	6.34%	1.150%
32	9.167	2500	2512	2522	rVV	362377	647932	3.50%	0.635%
33	9.344	2554	2567	2573	rBV2	197361	422662	2.28%	0.414%
34	9.704	2659	2679	2696	rBV3	132047	439333	2.37%	0.431%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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	9.932	2743	2750	2767	rVB	222803	371843	2.01%	0.365%
36	10.025	2767	2779	2795	rBV5	139822	277285	1.50%	0.272%
37	10.144	2805	2816	2828	rBV	958903	1502250	8.12%	1.473%
38	10.286	2849	2860	2873	rBV	813366	1302377	7.04%	1.277%
39	10.566	2936	2947	2973	rVB	959814	1554285	8.40%	1.524%
40	11.270	3145	3166	3169	rBV	203188	334086	1.81%	0.328%
41	11.302	3169	3176	3192	rVB	515704	843668	4.56%	0.827%
42	11.463	3215	3226	3240	rBV	989818	1585116	8.56%	1.554%
43	11.550	3241	3253	3277	rVB	1481467	2288318	12.36%	2.243%
44	11.665	3278	3289	3301	rBV	262577	414422	2.24%	0.406%
45	11.752	3301	3316	3330	rBV3	979539	1972939	10.66%	1.934%
46	11.842	3335	3344	3350	rBV	174273	309879	1.67%	0.304%
47	11.958	3368	3380	3393	rBV	325816	517206	2.79%	0.507%
48	12.231	3439	3465	3471	rBV	983254	1655847	8.95%	1.623%
49	12.263	3471	3475	3487	rVV	568860	800286	4.32%	0.785%
50	12.334	3487	3497	3516	rVV3	753094	1918808	10.37%	1.881%
51	12.527	3545	3557	3570	rVB4	526595	1029293	5.56%	1.009%
52	12.630	3570	3589	3601	rBV	715208	1228919	6.64%	1.205%
53	12.768	3621	3632	3646	rBV3	135139	218848	1.18%	0.215%
54	12.903	3666	3674	3681	rVV3	157341	263371	1.42%	0.258%
55	13.099	3708	3735	3745	rBV2	2163798	3537301	19.11%	3.468%
56	13.266	3779	3787	3807	rVB2	365601	638974	3.45%	0.626%
57	13.488	3847	3856	3865	rBV3	369072	568163	3.07%	0.557%
58	13.559	3865	3878	3882	rBV4	182221	350452	1.89%	0.344%
59	13.588	3882	3887	3894	rVB	189230	252250	1.36%	0.247%
60	13.720	3914	3928	3937	rBV2	544803	990784	5.35%	0.971%
61	13.768	3937	3943	3955	rVB2	158609	252123	1.36%	0.247%
62	13.942	3978	3997	4006	rBV4	149955	364910	1.97%	0.358%
63	14.135	4045	4057	4063	rBV	126976	248122	1.34%	0.243%
64	14.315	4103	4113	4137	rVB2	227191	523307	2.83%	0.513%
65	14.520	4168	4177	4190	rVB4	152365	285210	1.54%	0.280%
66	14.659	4209	4220	4237	rBV3	164681	358320	1.94%	0.351%
67	14.855	4271	4281	4292	rBV	855596	1381170	7.46%	1.354%
68	15.041	4328	4339	4354	rBV	991833	1706073	9.22%	1.673%
69	15.897	4595	4605	4629	rVB2	162608	354420	1.91%	0.347%
70	16.041	4640	4650	4657	rBV	259092	422729	2.28%	0.414%
71	16.080	4657	4662	4676	rVB2	127103	201155	1.09%	0.197%

LSC Area Percent Report

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Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

Sum of corrected areas: 102002412

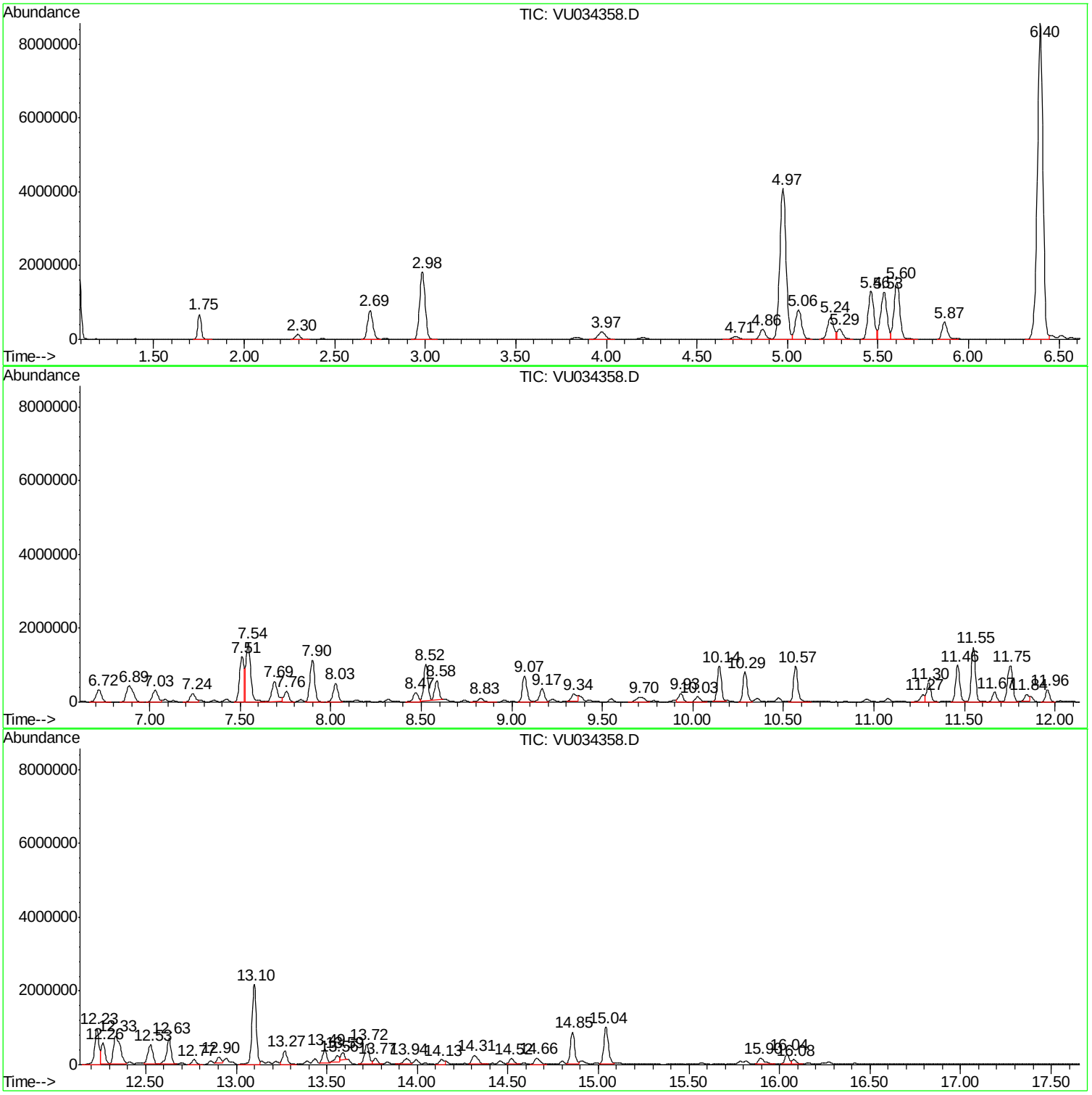
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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 : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

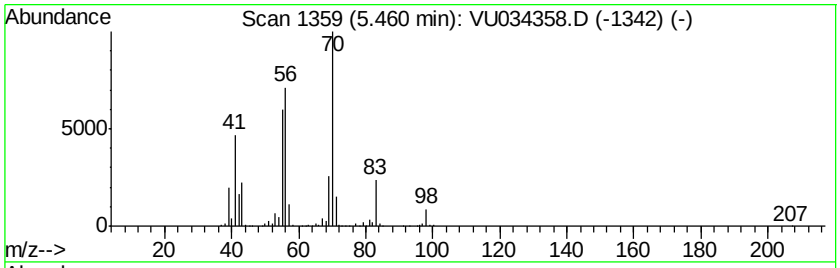
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

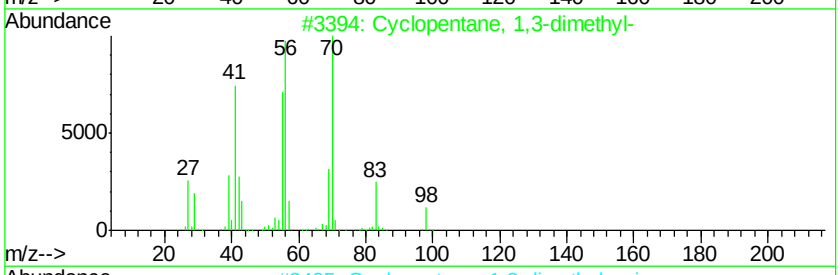
****

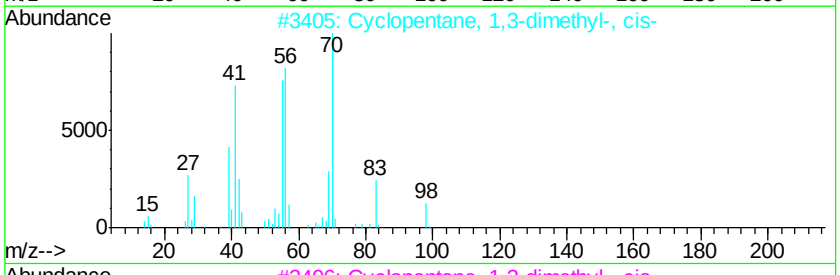
Peak Number 1 Cyclopentane, 1,3-dimethyl- Concentration Rank 3

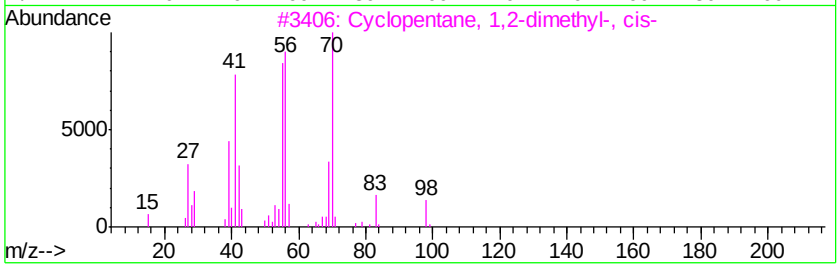
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	151.96 ug/l	2921340	1,4-Difluorobenzene	5.87

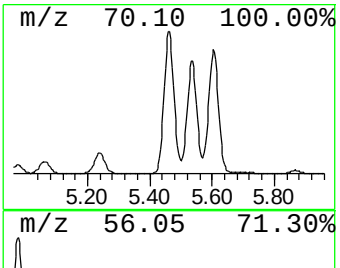
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	70
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	43

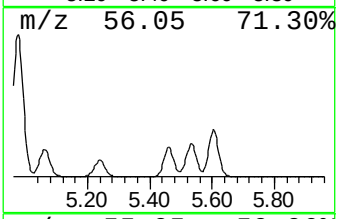


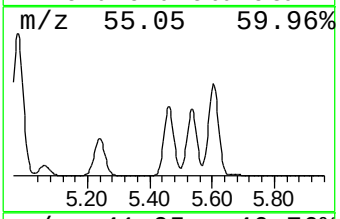


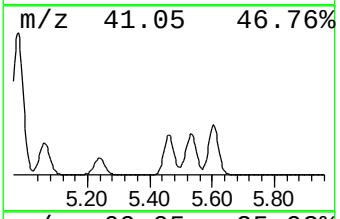


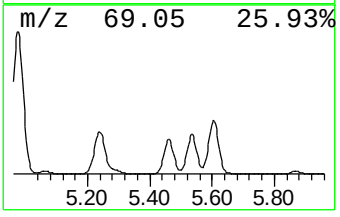












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

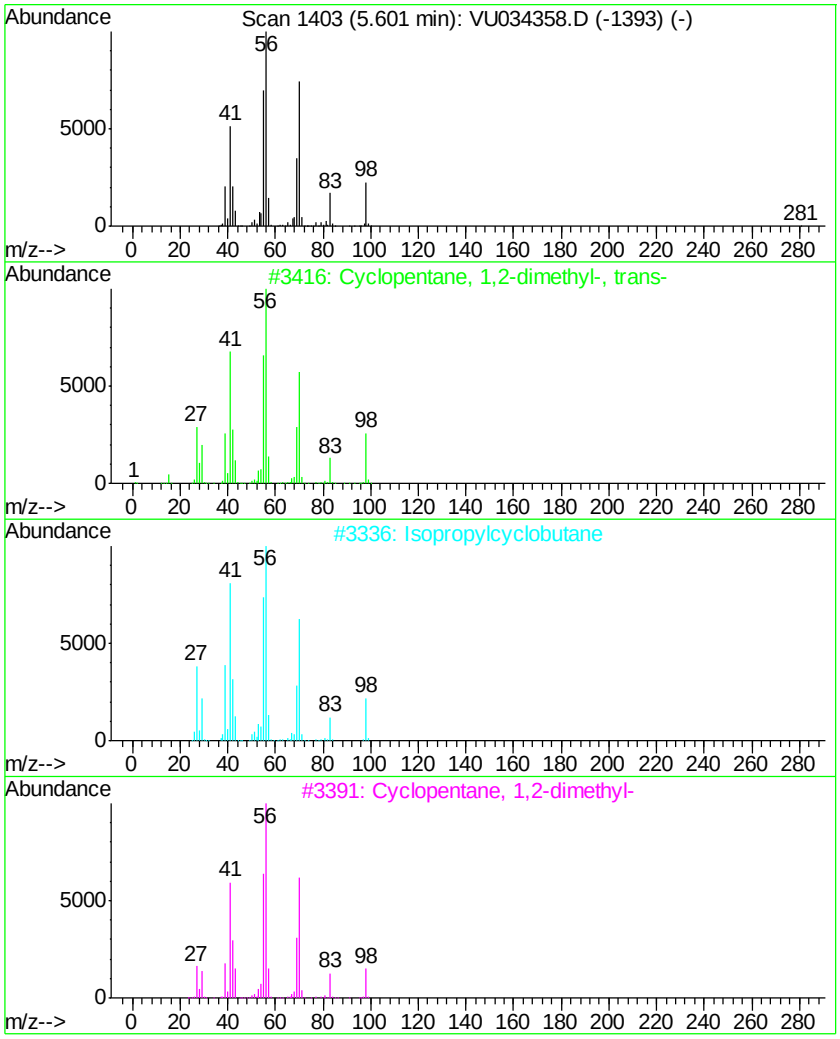
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

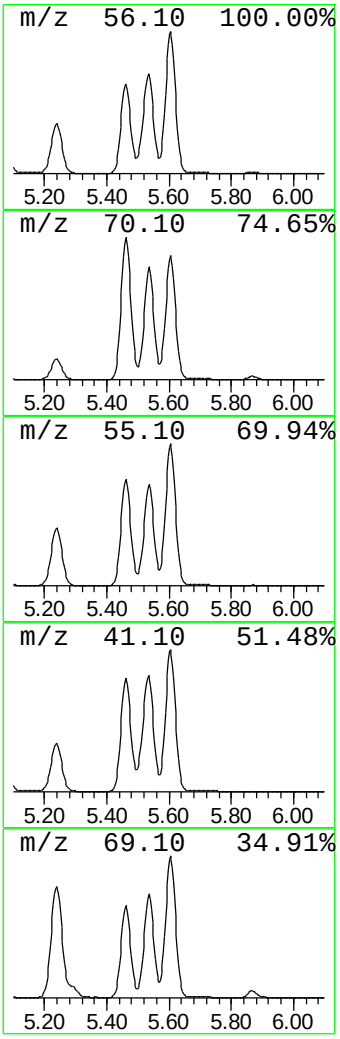
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	178.89 ug/l	3439100	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, 1,3-dimethyl-	98	C7H14	002453-00-1	80
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78





Library Search Compound Report

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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

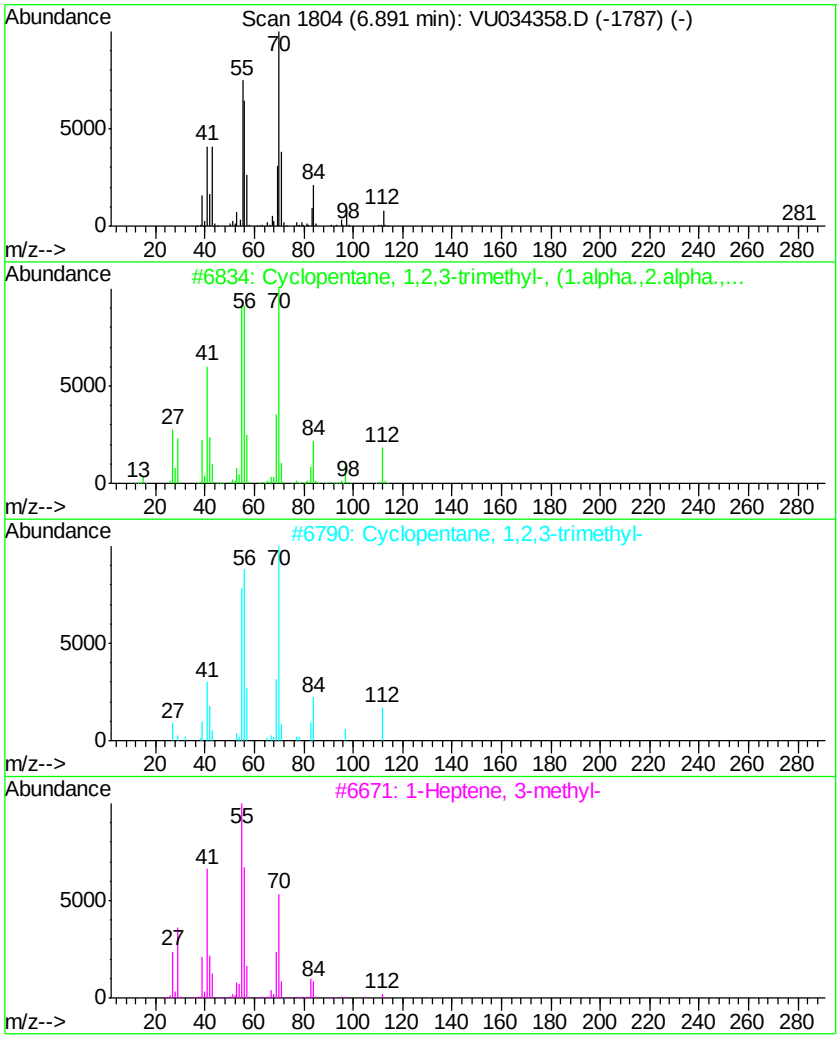
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

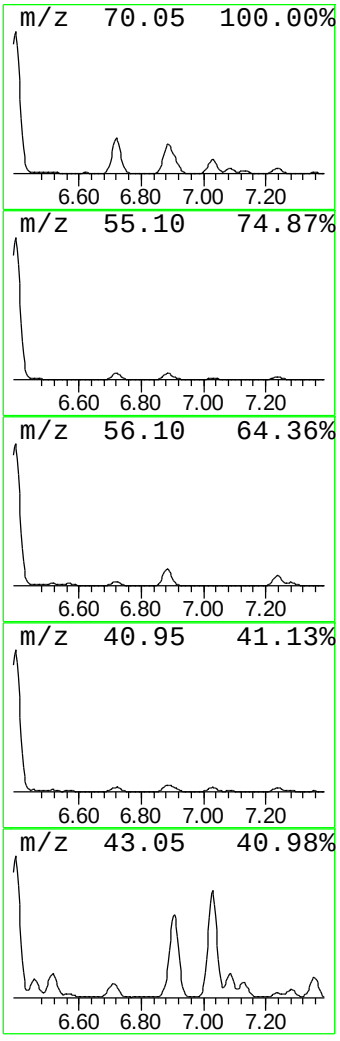
****

Peak Number 4 Cyclopentane, 1,2,3-trimeth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	60.58 ug/l	1164710	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	72
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	64





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Data File : VU034358.D
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Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

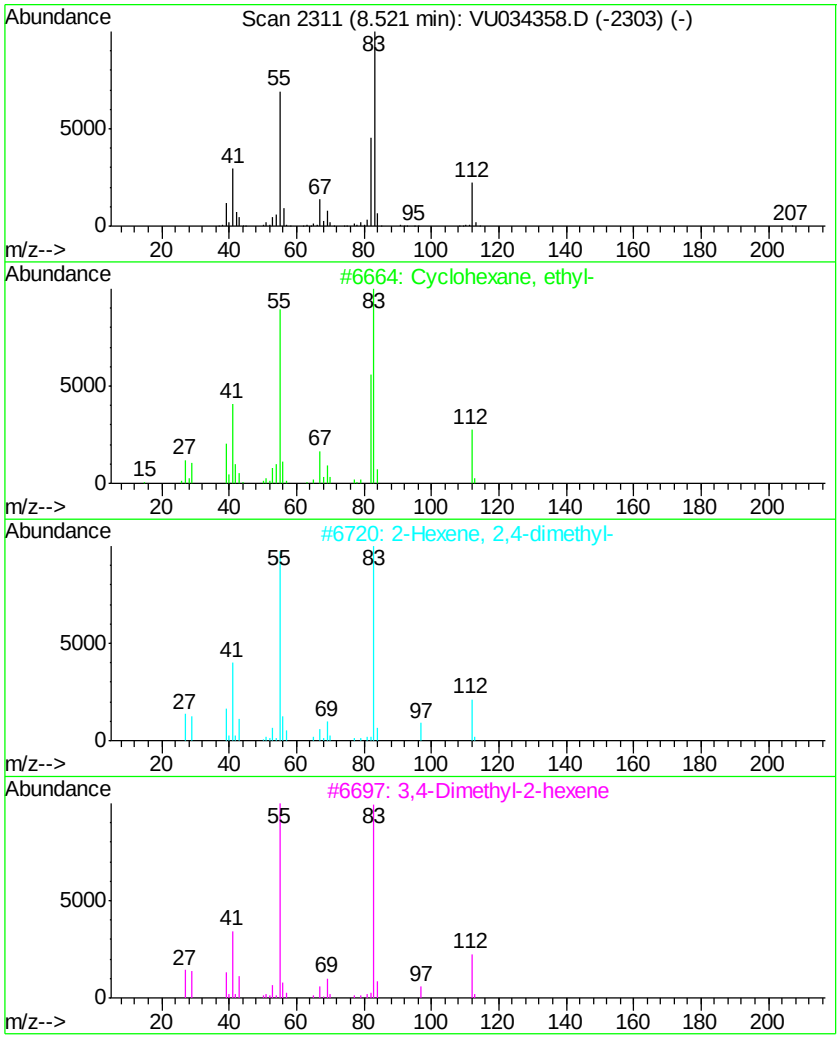
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

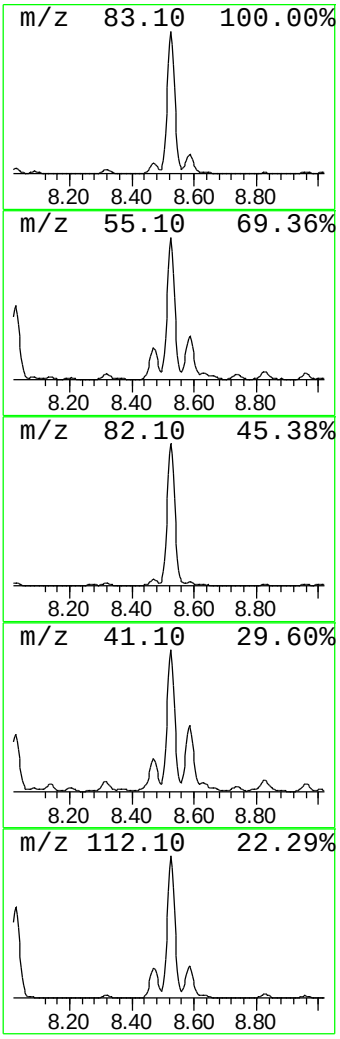
****

Peak Number 6 Cyclohexane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	68.48 ug/l	1606850	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	93
2	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	76
3	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	68
4	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	59
5	3-Ethyl-2-hexene	112	C8H16	000620-00-8	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

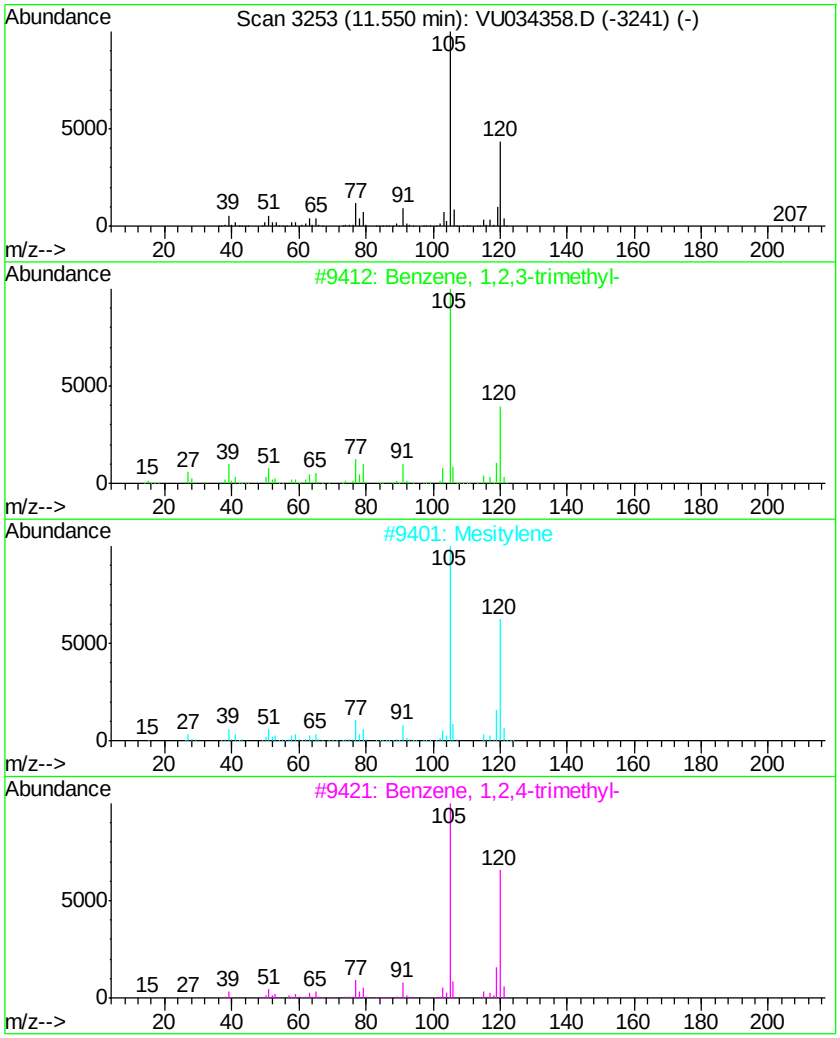
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

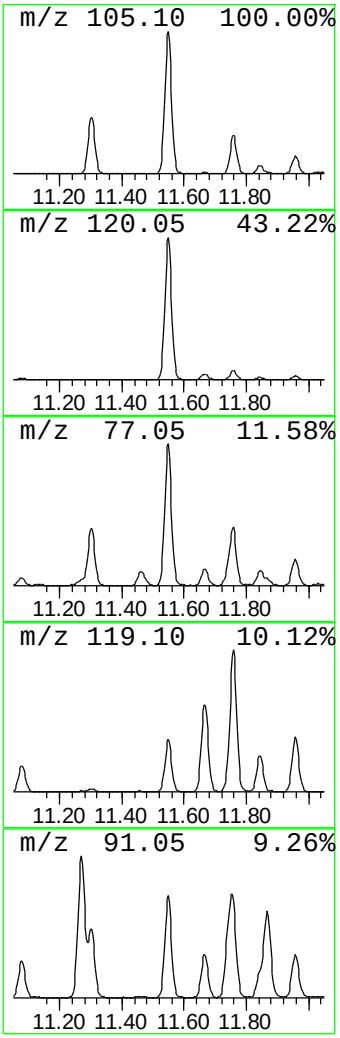
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	72.18 ug/l	2288320	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	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

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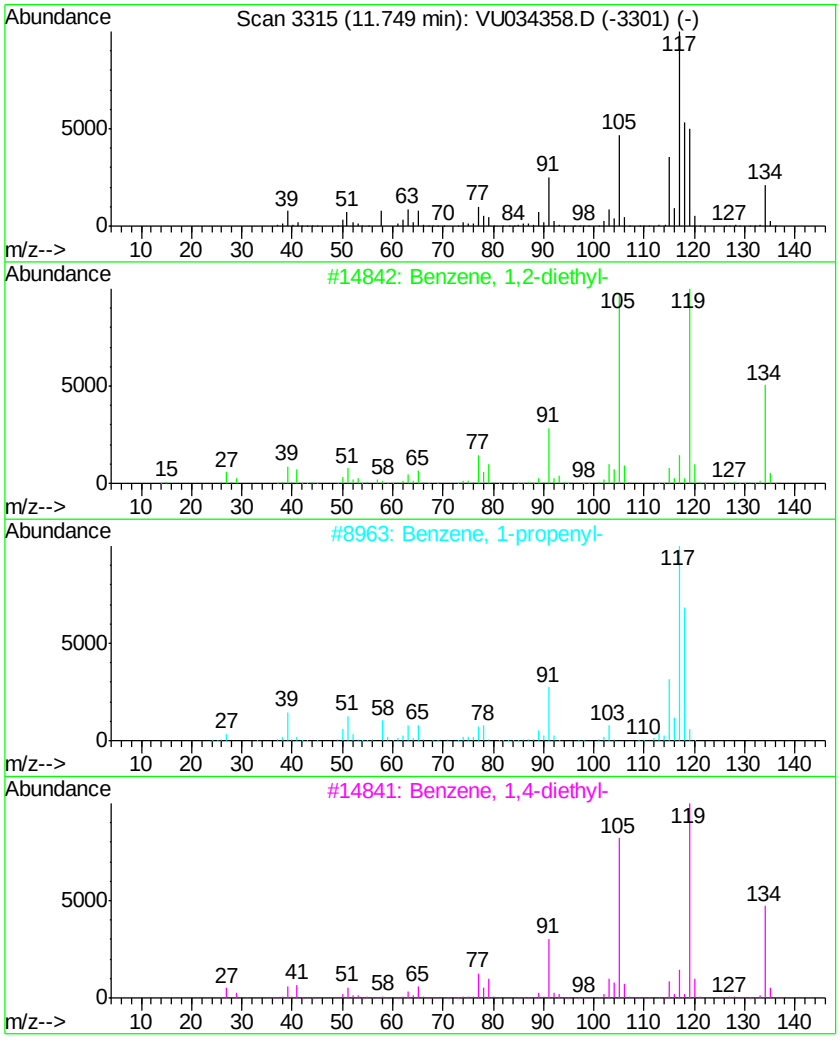
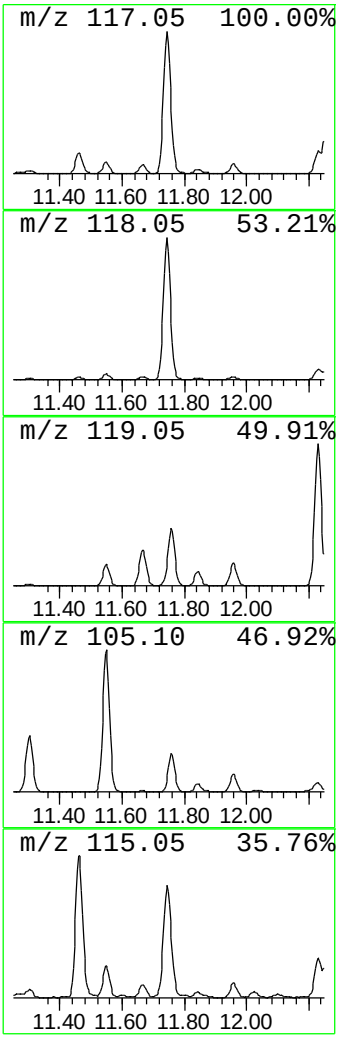
Peak Number 8 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	62.23 ug/l	1972940	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	50
4	Indane	118	C9H10	000496-11-7	50
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

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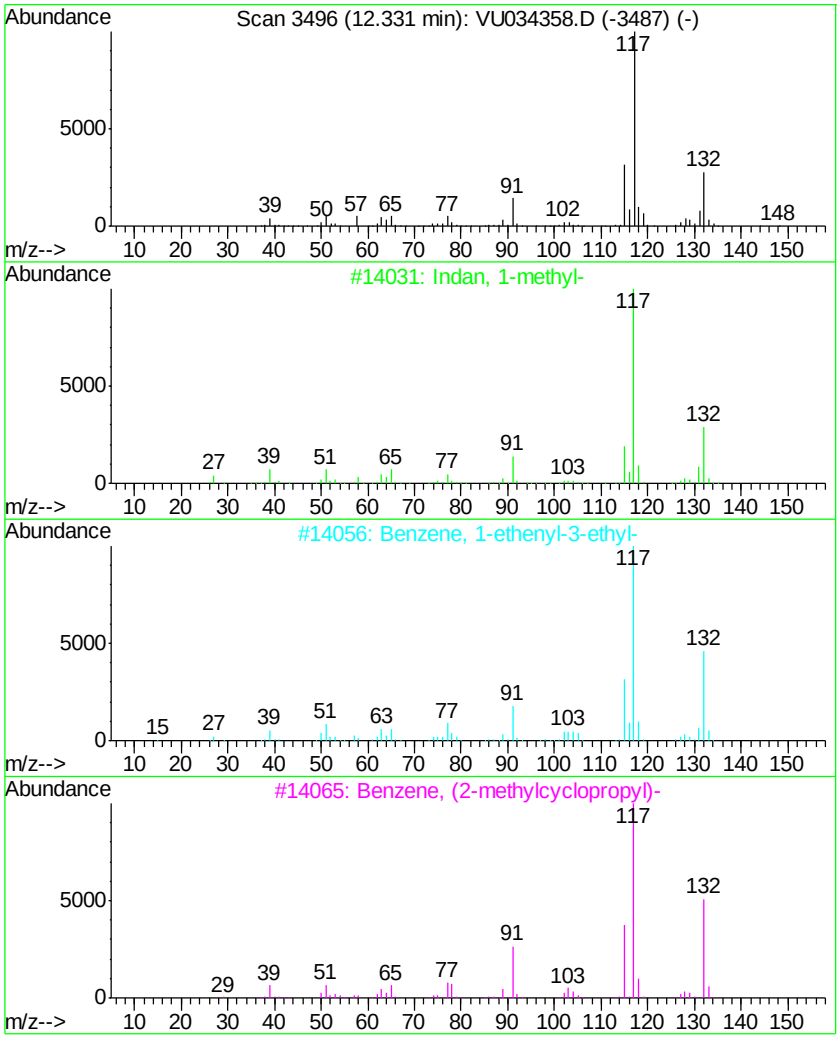
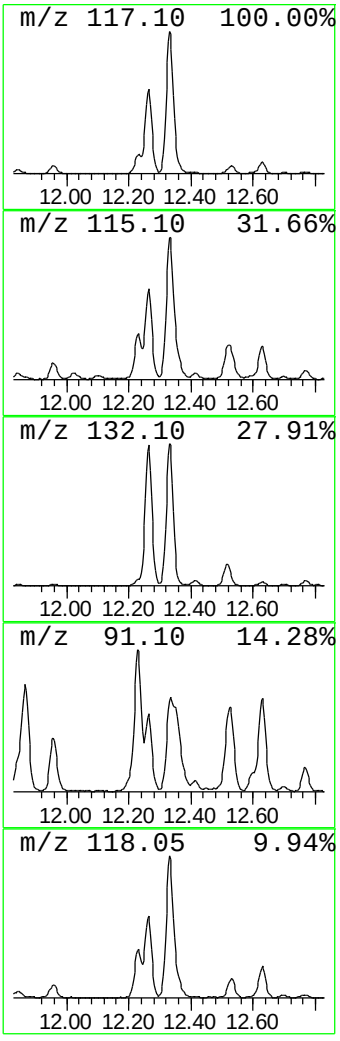
Peak Number 9 Indan, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	60.53 ug/l	1918810	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	81
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	80
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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

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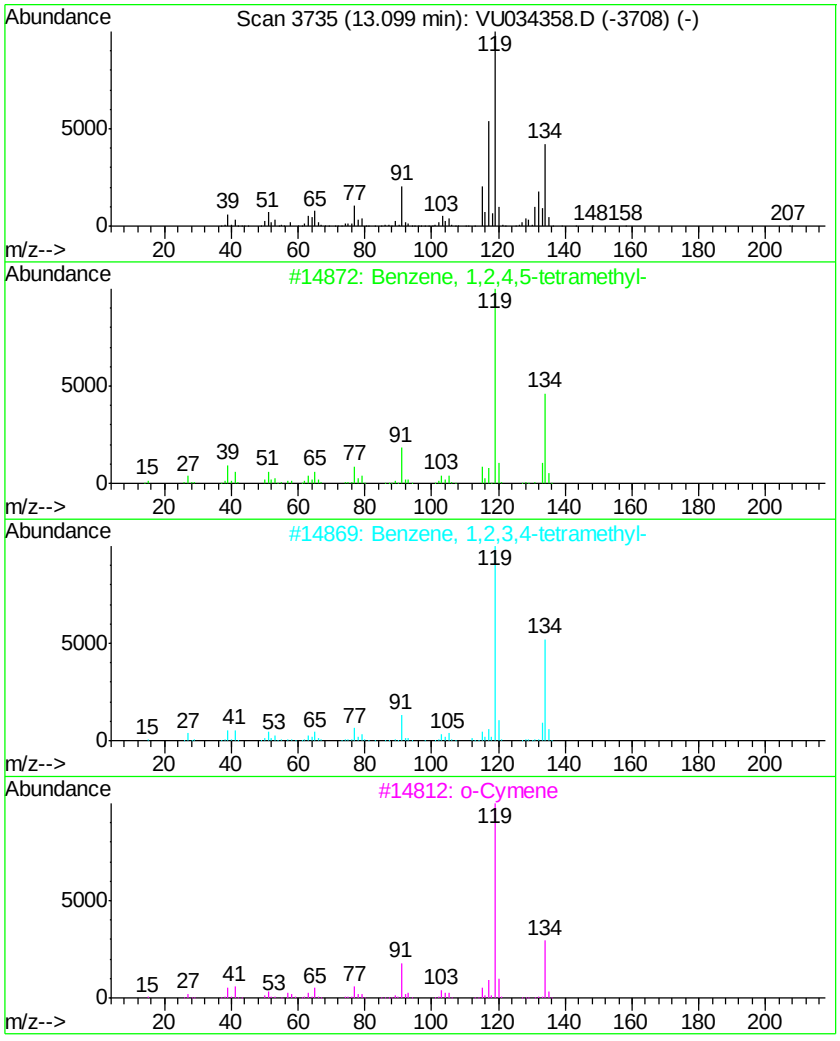
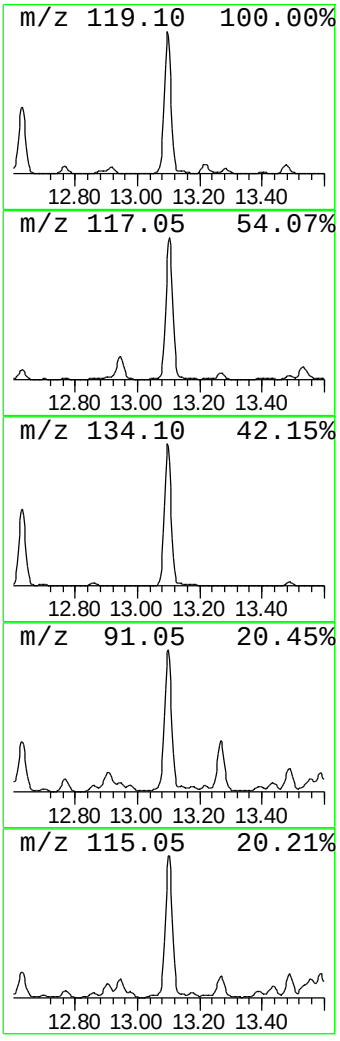
Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	111.58 ug/l	3537300	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	o-Cymene	134	C10H14	000527-84-4	64
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
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\VU090719\
Data File : VU034358.D
Acq On : 07 Sep 2019 02:37
Operator : JC/SP
Sample : K4725-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0266

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	152.0	ug/l	2921340	2	5.87	961232	50.0
Cyclopentane, 1,2...	5.60	178.9	ug/l	3439100	2	5.87	961232	50.0
Cyclopentane, 1,2...	6.89	60.6	ug/l	1164710	2	5.87	961232	50.0
Cyclohexane, ethyl-	8.52	68.5	ug/l	1606850	3	9.07	1173200	50.0
Benzene, 1,2,3-tr...	11.55	72.2	ug/l	2288320	4	11.46	1585120	50.0
Benzene, 1,2-diet...	11.75	62.2	ug/l	1972940	4	11.46	1585120	50.0
Indan, 1-methyl-	12.33	60.5	ug/l	1918810	4	11.46	1585120	50.0
Benzene, 1,2,4,5-...	13.10	111.6	ug/l	3537300	4	11.46	1585120	50.0