LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

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\82U092218W.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	1.759	171	182	198	rBV	350593	458187	5.28%	0.999%
2	2.305	335	352	369	rVB2	57889	113611	1.31%	0.248%
3	2.707	461	477	496	rBV	370843	771934	8.90%	1.683%
4	3.000	550	568	595	rBV	807114	1707220	19.68%	3.723%
5	3.996	858	878	898	rBV	96378	268635	3.10%	0.586%
6	4.736	1091	1108	1132	rBV2	33173	88945	1.03%	0.194%
7	4.887	1138	1155	1170	rBV2	113446	257071	2.96%	0.561%
8	5.000	1170	1190	1205	rVV	1997336	4858876	56.01%	10.595%
9	5.083	1205	1216	1253	rVV	381378	1001444	11.54%	2.184%
10	5.260	1256	1271	1281	rVV	264365	659124	7.60%	1.437%
11	5.312	1282	1287	1306	rVB	142722	264457	3.05%	0.577%
12	5.485	1324	1341	1351	rBV2	572279	1296510	14.95%	2.827%
13	5.556	1352	1363	1374	rVV2	572790	1351387	15.58%	2.947%
14	5.627	1374	1385	1411	rVB	719199	1591790	18.35%	3.471%
15	5.887	1453	1466	1483	rBV	247229	488082	5.63%	1.064%
16	6.418	1605	1631	1646	rBV	4000646	8674867	100.00%	18.917%
17	6.742	1715	1732	1748	rBV	150398	308601	3.56%	0.673%
18	6.910	1769	1784	1814	rBV3	200472	563266	6.49%	1.228%
19	7.051	1814	1828	1839	rBV	154663	324042	3.74%	0.707%
20	7.260	1878	1893	1902	rBV	104879	211992	2.44%	0.462%
21	7.530	1963	1977	1982	rBV2	557459	993838	11.46%	2.167%
22	7.565	1983	1988	2019	rVB2	744536	1290231	14.87%	2.814%
23	7.710	2019	2033	2046	rBV	245433	545501	6.29%	1.190%
24	7.778	2047	2054	2067	rVB	135079	236772	2.73%	0.516%
25	7.919	2086	2098	2123	rVB	500793	913977	10.54%	1.993%
26	8.048	2123	2138	2149	rBV	224113	410490	4.73%	0.895%
27	8.491	2258	2276	2283	rBV3	118989	221993	2.56%	0.484%
28	8.546	2283	2293	2303	rVV	456557	745442	8.59%	1.626%
29	8.607	2303	2312	2323	rVB	242934	402722	4.64%	0.878%
30	8.848	2369	2387	2402	rBV4	46027	97423	1.12%	0.212%
31	9.090	2451	2462	2478	rBV	358296	590407	6.81%	1.287%
32	9.189	2479	2493	2503	rVV	163751	290725	3.35%	0.634%
33	9.366	2535	2548	2553	rBV3	89003	181247	2.09%	0.395%
34	9.726	2642	2660	2677	rBV7	63096	209731	2.42%	0.457%

LSC Area Percent Report

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Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

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\82U092218W.M
Title : SW846 8260

35	9.954	2724	2731	2746	rVB	104202	175986	2.03%	0.384%
36	10.048	2748	2760	2776	rBV6	67079	136112	1.57%	0.297%
37	10.167	2786	2797	2808	rBV	394164	608976	7.02%	1.328%
38	10.308	2830	2841	2853	rBV	344061	538312	6.21%	1.174%
39	10.495	2891	2899	2916	rVB3	51055	87494	1.01%	0.191%
40	10.588	2916	2928	2948	rBV	397611	609892	7.03%	1.330%
41	11.292	3127	3147	3151	rBV2	80916	146213	1.69%	0.319%
42	11.324	3151	3157	3174	rVB	198629	319808	3.69%	0.697%
43	11.485	3196	3207	3220	rBV	413902	648284	7.47%	1.414%
44	11.572	3222	3234	3246	rBV	609600	924821	10.66%	2.017%
45	11.691	3259	3271	3282	rBV	98842	154269	1.78%	0.336%
46	11.774	3282	3297	3310	rBV3	374853	767324	8.85%	1.673%
47	11.868	3315	3326	3350	rVB2	77325	215330	2.48%	0.470%
48	11.980	3350	3361	3374	rBV	125003	197317	2.27%	0.430%
49	12.250	3426	3445	3452	rBV	377587	613716	7.07%	1.338%
50	12.286	3452	3456	3468	rVV	208962	302108	3.48%	0.659%
51	12.356	3468	3478	3497	rVV3	300521	745536	8.59%	1.626%
52	12.549	3526	3538	3550	rVB4	207228	394285	4.55%	0.860%
53	12.649	3551	3569	3582	rBV	280979	478567	5.52%	1.044%
54	12.925	3647	3655	3662	rVV3	61257	101511	1.17%	0.221%
55	13.122	3687	3716	3726	rBV2	856939	1400748	16.15%	3.055%
56	13.289	3759	3768	3785	rVB2	148848	256228	2.95%	0.559%
57	13.511	3827	3837	3845	rBV3	143741	224063	2.58%	0.489%
58	13.578	3845	3858	3862	rBV4	73148	133785	1.54%	0.292%
59	13.610	3863	3868	3875	rVB	72087	94781	1.09%	0.207%
60	13.742	3892	3909	3918	rBV2	249032	438489	5.05%	0.956%
61	13.787	3918	3923	3935	rVV	62423	96274	1.11%	0.210%
62	13.961	3967	3977	3986	rBV4	53604	107621	1.24%	0.235%
63	14.154	4026	4037	4042	rBV2	51992	87552	1.01%	0.191%
64	14.337	4083	4094	4109	rBV2	98085	220574	2.54%	0.481%
65	14.539	4148	4157	4170	rVB5	65208	123705	1.43%	0.270%
66	14.681	4190	4201	4216	rBV4	70312	147070	1.70%	0.321%
67	14.877	4251	4262	4272	rVV	437718	705491	8.13%	1.538%
68	15.064	4309	4320	4334	rBV	428988	735922	8.48%	1.605%
69	15.916	4573	4585	4606	rVV	111148	217422	2.51%	0.474%
70	16.060	4620	4630	4637	rBV	130436	209862	2.42%	0.458%
71	16.099	4637	4642	4656	rVB2	67344	102367	1.18%	0.223%

LSC Area Percent Report

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ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

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\82U092218W.M
Title : SW846 8260

Sum of corrected areas: 45858355

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
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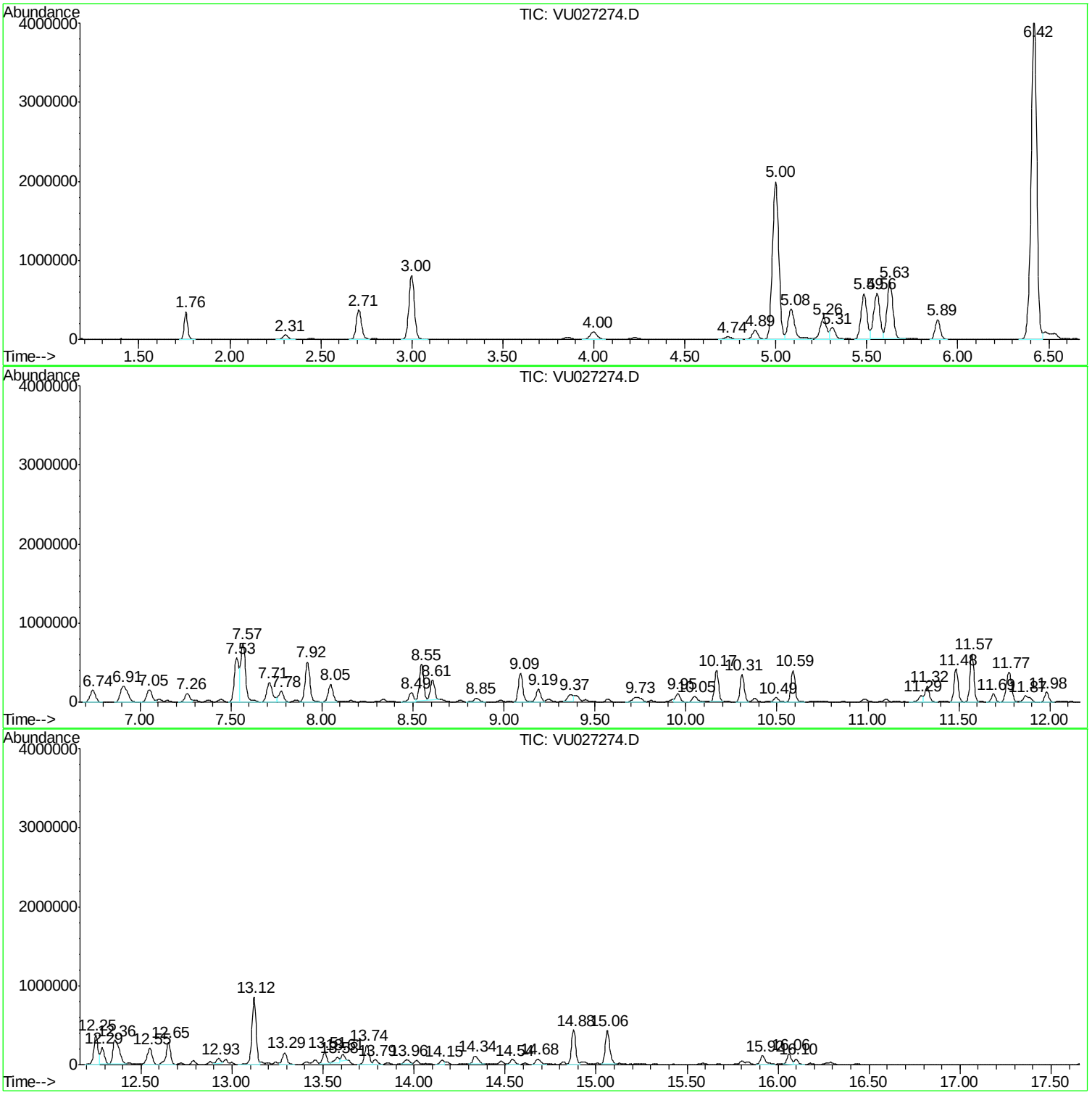
Instrument :
MSVOA_U
ClientSampleId :
S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.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\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

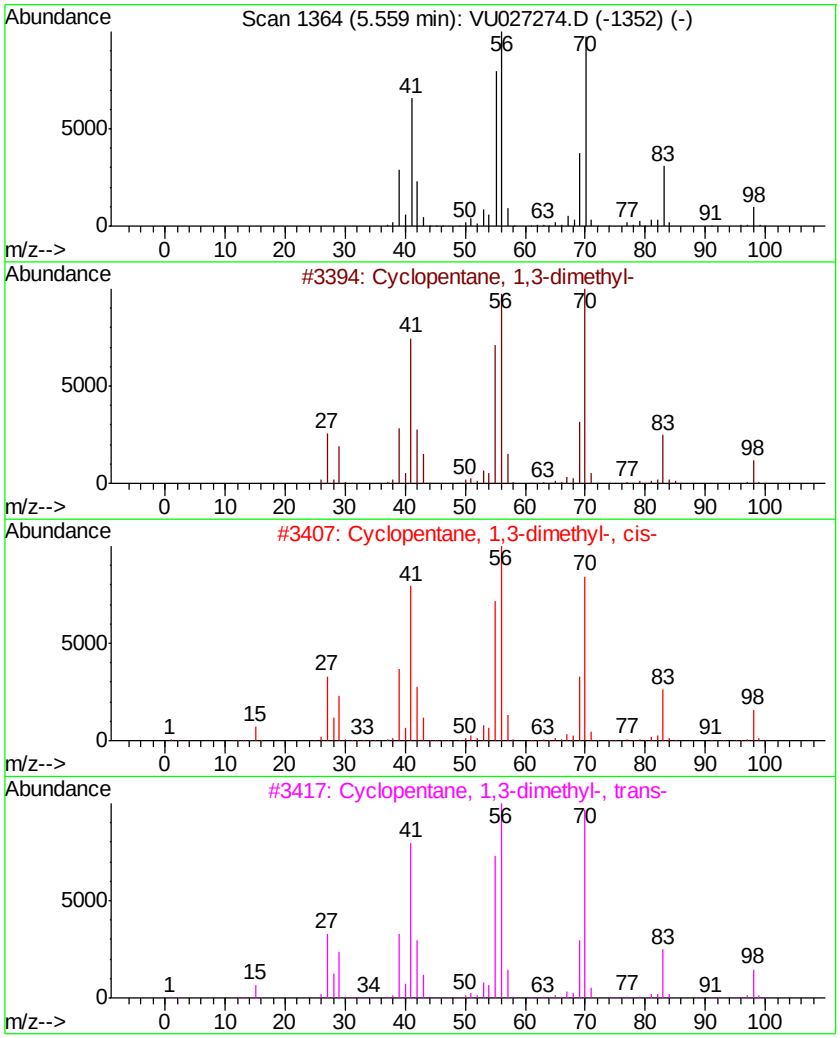
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

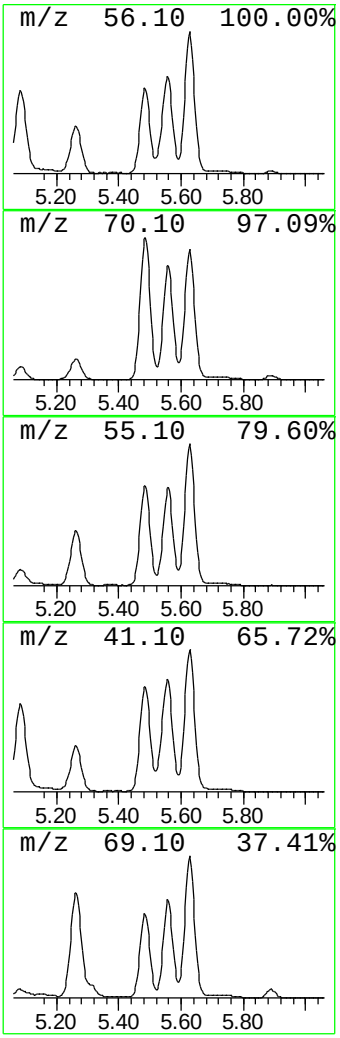
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.56	138.44 ug/l	1351390	1,4-Difluorobenzene	5.89

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, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78
5	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

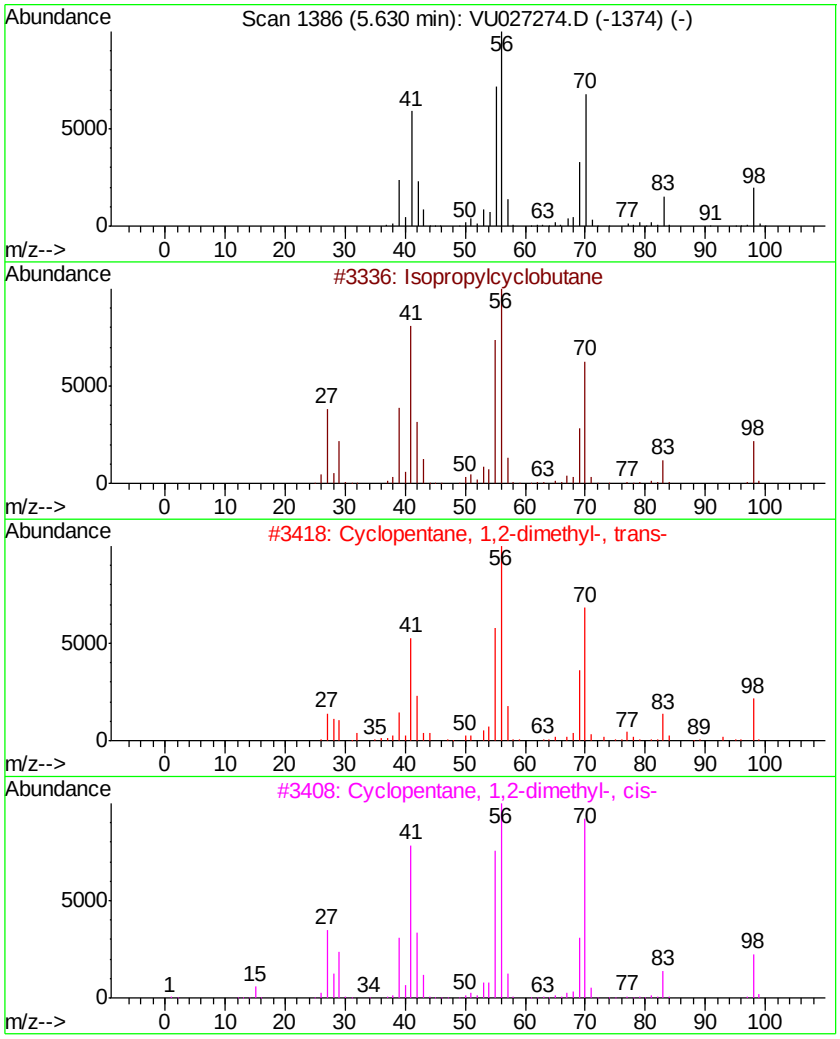
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

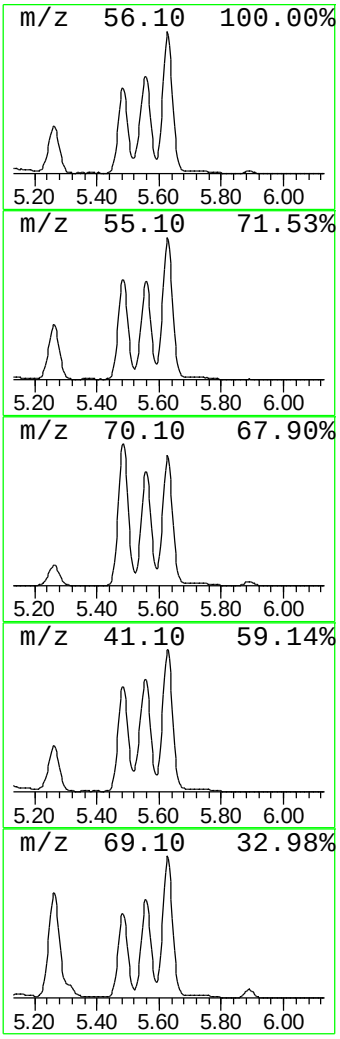
****

Peak Number 3 Isopropylcyclobutane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	163.07 ug/l	1591790	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

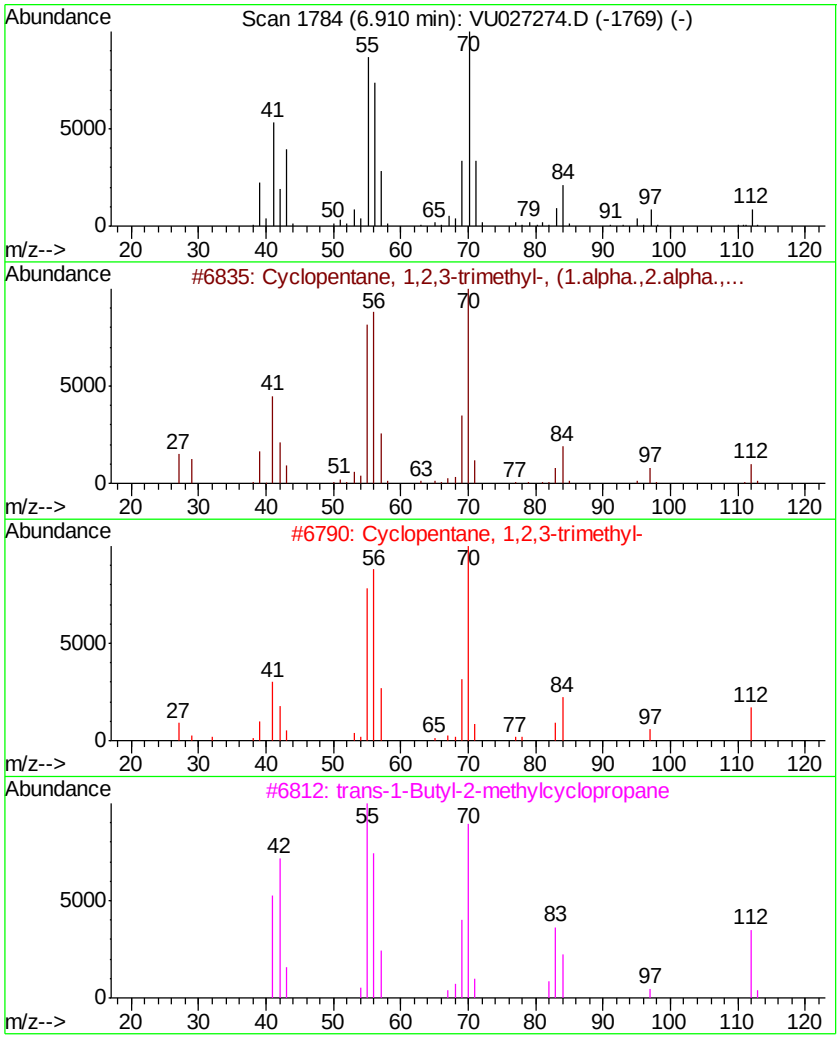
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

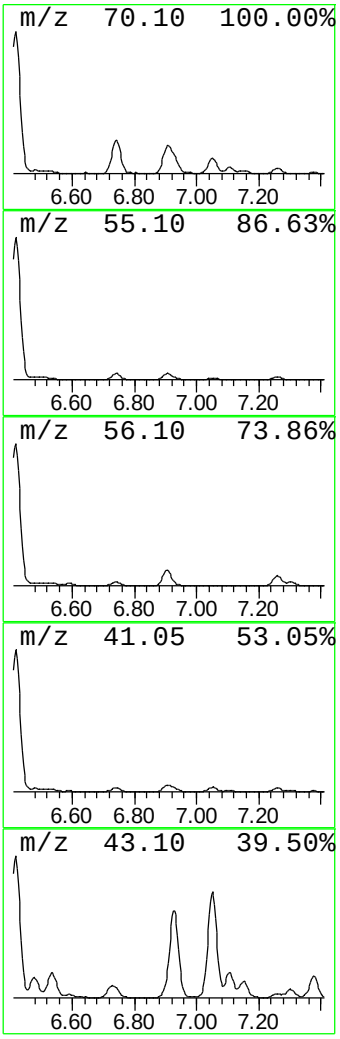
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	57.70 ug/l	563266	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	64
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
5	2,3-Dimethyl-aziridine	71	C4H9N	002549-68-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
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ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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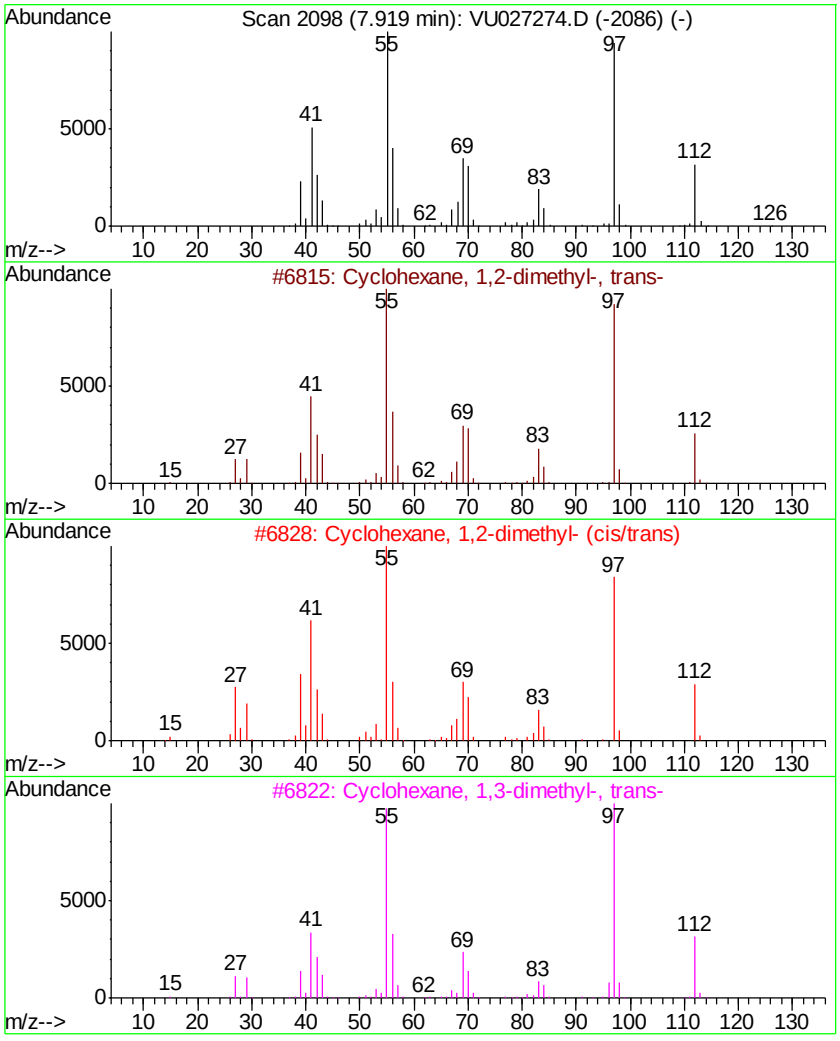
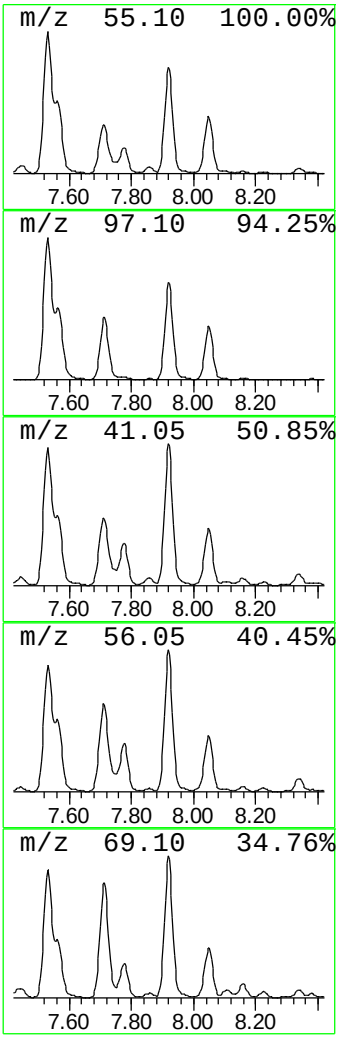
****

Peak Number 5 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	77.40 ug/l	913977	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	96
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	74
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	70





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ALS Vial : 21 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

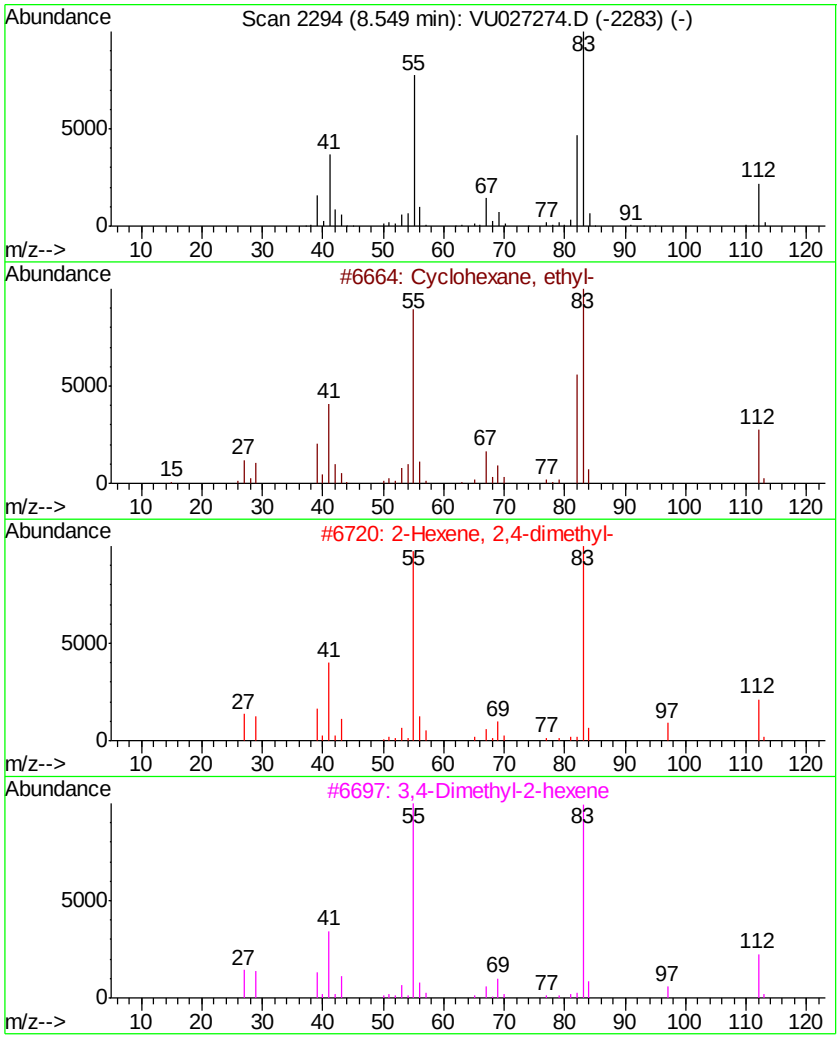
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

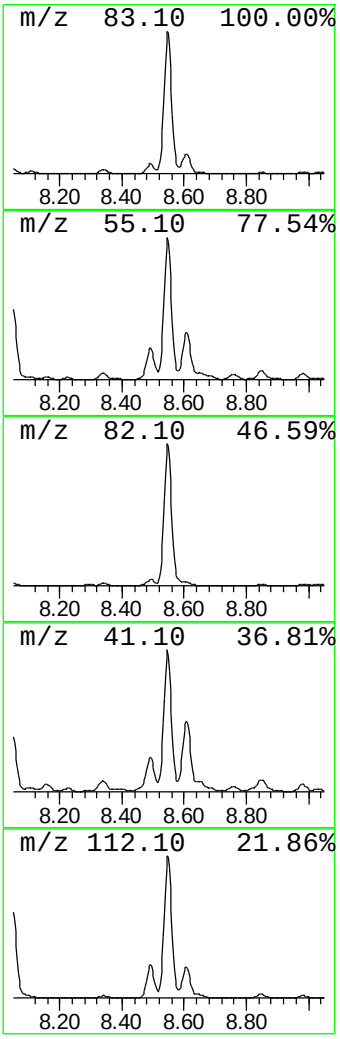
****

Peak Number 6 Cyclohexane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	63.13 ug/l	745442	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	97
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	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58
5	Oxalic acid, cyclohexyl decyl ester	312	C18H32O4	1000309-31-2	53





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ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

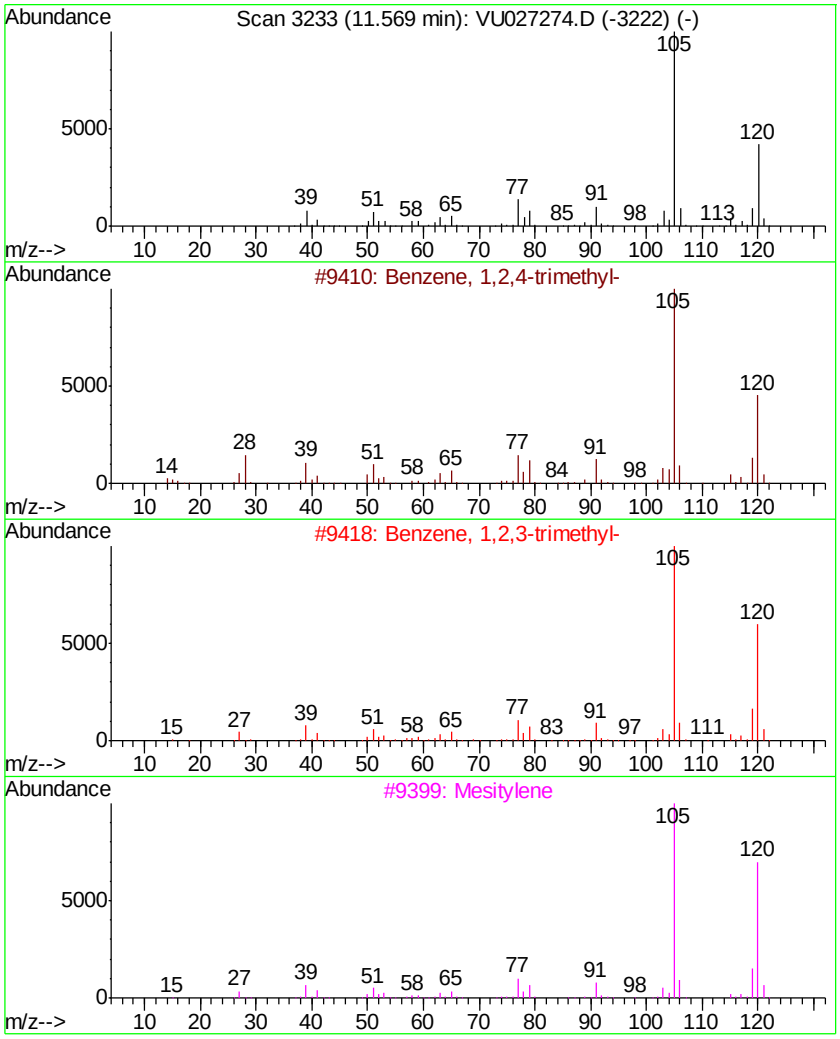
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

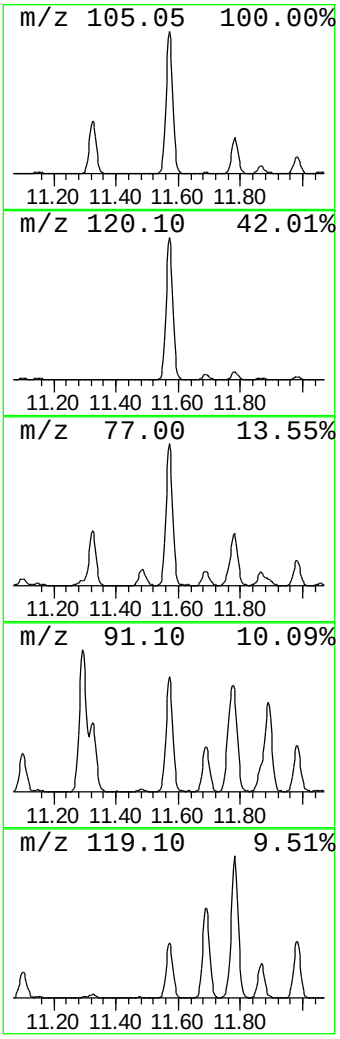
****

Peak Number 7 Benzene, 1,2,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	71.33 ug/l	924821	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





Library Search Compound Report

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Data File : VU027274.D
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Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

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

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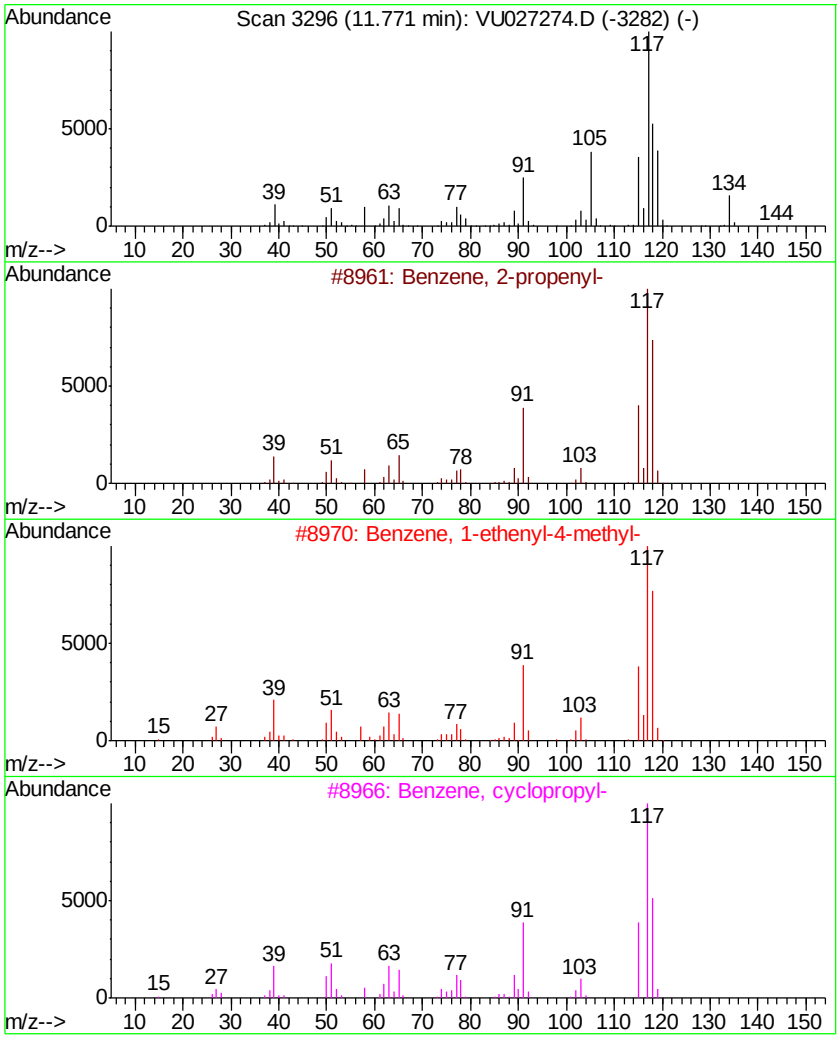
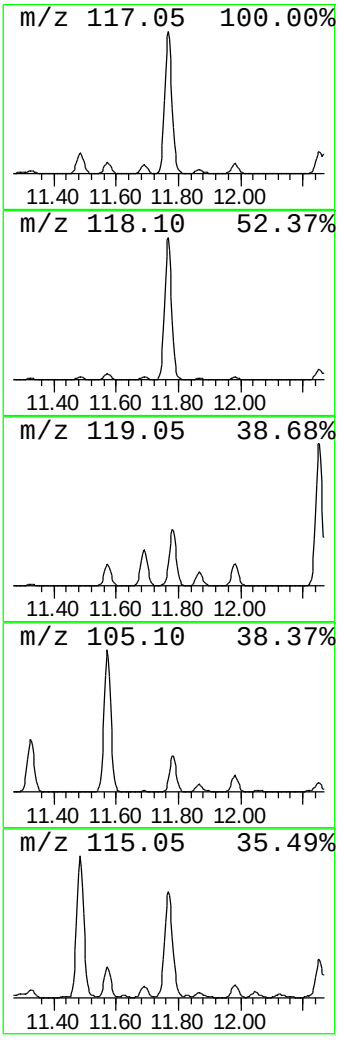
Peak Number 8 Benzene, 2-propenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	59.18 ug/l	767324	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	91
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	86
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	78
4	Indane	118	C9H10	000496-11-7	64
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

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

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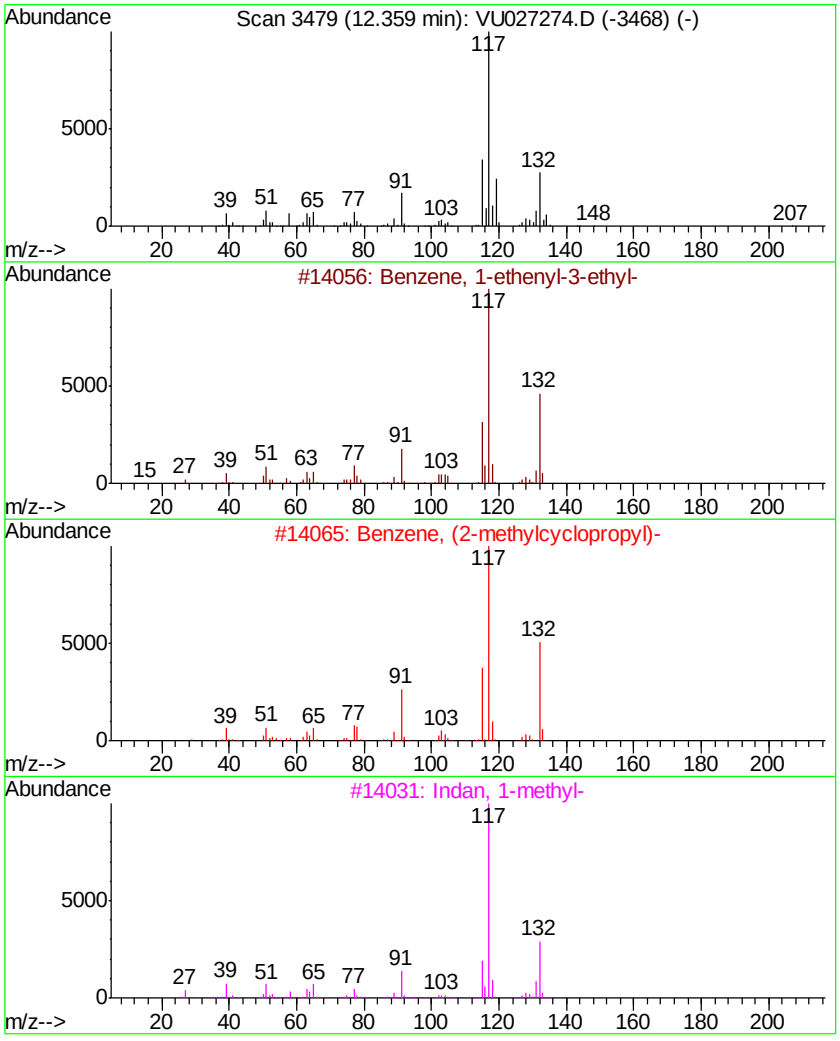
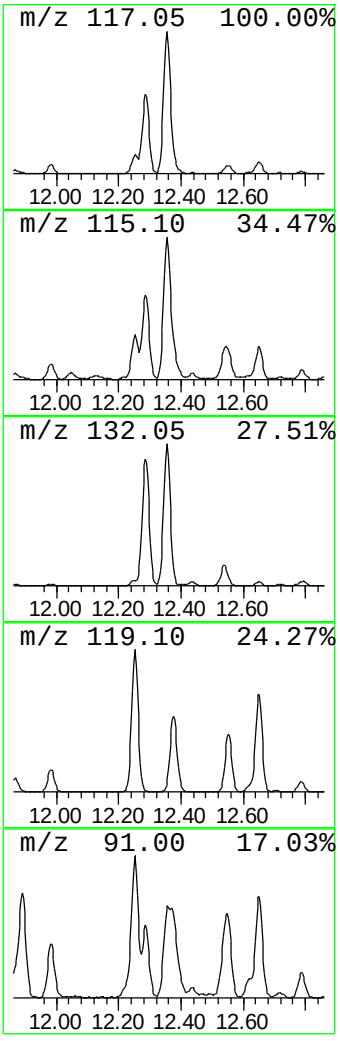
Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	57.50 ug/l	745536	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	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260

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

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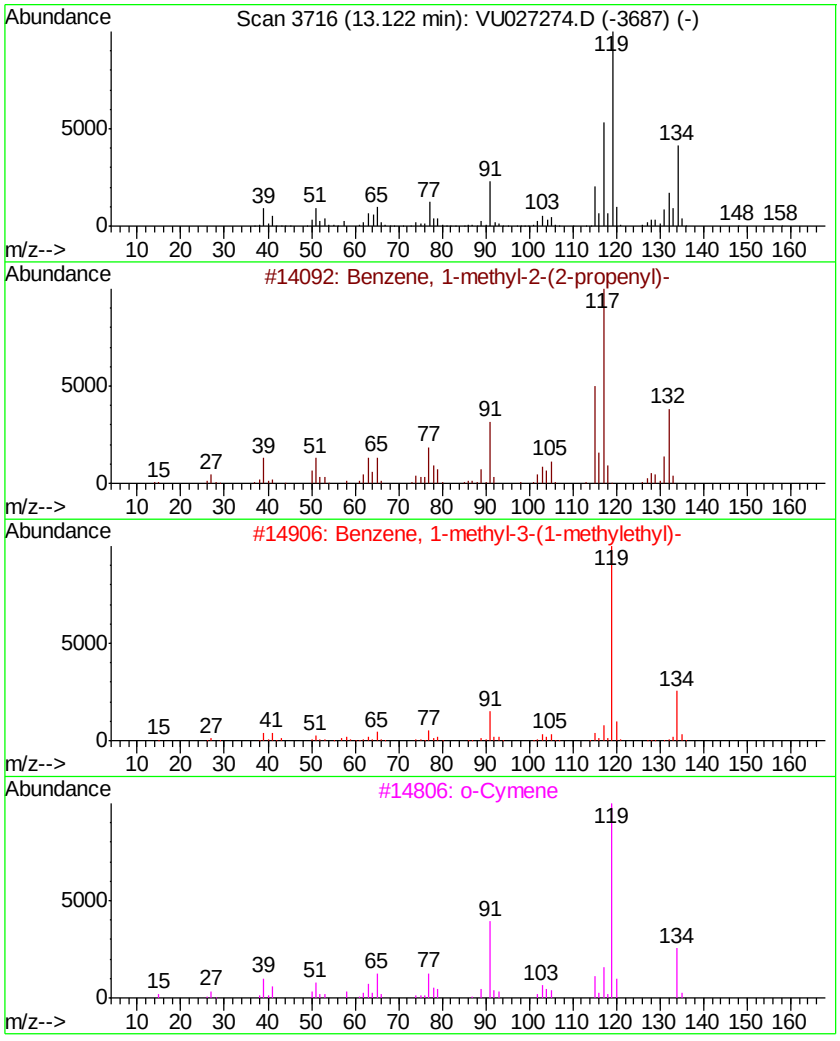
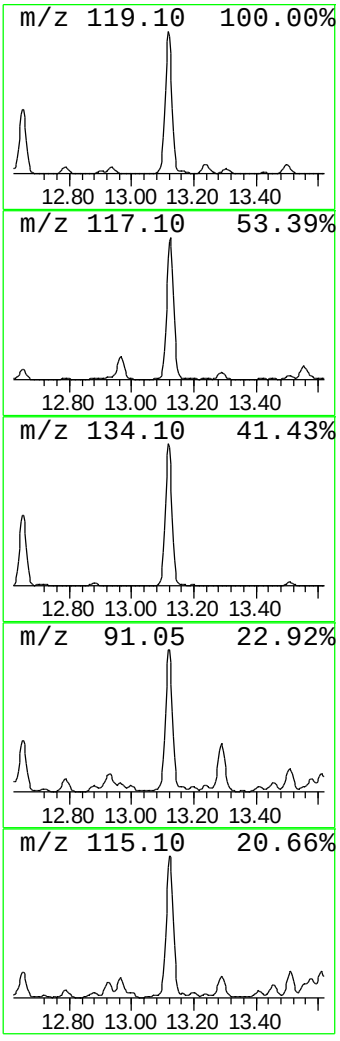
Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	108.04 ug/l	1400750	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3	o-Cymene	134	C10H14	000527-84-4	64
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
5	p-Cymene	134	C10H14	000099-87-6	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0245

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.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...	5.56	138.4	ug/l	1351390	2	5.89	488082	50.0
Isopropylcyclobutane	5.63	163.1	ug/l	1591790	2	5.89	488082	50.0
Cyclopentane, 1,2...	6.91	57.7	ug/l	563266	2	5.89	488082	50.0
Cyclohexane, 1,2-...	7.92	77.4	ug/l	913977	3	9.09	590407	50.0
Cyclohexane, ethyl-	8.55	63.1	ug/l	745442	3	9.09	590407	50.0
Benzene, 1,2,4-tr...	11.57	71.3	ug/l	924821	4	11.48	648284	50.0
Benzene, 2-propenyl-	11.77	59.2	ug/l	767324	4	11.48	648284	50.0
Benzene, 1-etheny...	12.36	57.5	ug/l	745536	4	11.48	648284	50.0
Benzene, 1-methyl...	13.12	108.0	ug/l	1400750	4	11.48	648284	50.0