LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU040220\
Data File : VU037550.D
Acq On : 02 Apr 2020 12:58
Operator : JC/MD
Sample : L2065-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR040120WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.369	3	9	21	rVB	155269	153185	34.68%	3.810%
2	1.485	39	45	49	rBV	40564	41390	9.37%	1.030%
3	1.610	72	84	99	rBV3	107445	163324	36.98%	4.063%
4	1.748	121	127	136	rVB3	6814	8370	1.90%	0.208%
5	1.928	173	183	196	rVB	43000	60779	13.76%	1.512%
6	2.012	201	209	222	rBV2	14688	20852	4.72%	0.519%
7	2.173	251	259	267	rBV	21989	30288	6.86%	0.753%
8	2.221	267	274	284	rVB	23526	32690	7.40%	0.813%
9	2.430	334	339	350	rVB4	5159	9036	2.05%	0.225%
10	2.591	376	389	401	rBV	77752	128742	29.15%	3.202%
11	2.819	447	460	472	rBV2	15516	26991	6.11%	0.671%
12	2.999	501	516	517	rBV4	3248	4756	1.08%	0.118%
13	3.108	540	550	562	rVB3	2889	5338	1.21%	0.133%
14	3.395	627	639	653	rVB5	3296	7887	1.79%	0.196%
15	3.623	699	710	721	rBB3	6244	13169	2.98%	0.328%
16	3.739	732	746	755	rBV4	4171	8945	2.03%	0.223%
17	4.668	1020	1035	1055	rBV	66241	155077	35.11%	3.857%
18	5.105	1154	1171	1189	rBV	65690	151824	34.38%	3.777%
19	5.761	1355	1375	1394	rBV3	137905	342660	77.58%	8.524%
20	6.054	1458	1466	1475	rVB5	2334	4480	1.01%	0.111%
21	6.166	1490	1501	1509	rBV7	2819	5208	1.18%	0.130%
22	6.282	1523	1537	1556	rBV	119173	222304	50.33%	5.530%
23	6.722	1660	1674	1690	rBV	82837	161838	36.64%	4.026%
24	7.591	1930	1944	1958	rBV3	53674	92684	20.99%	2.305%
25	7.922	2034	2047	2060	rBV	175586	301980	68.37%	7.512%
26	7.992	2060	2069	2080	rVB	4492	7804	1.77%	0.194%
27	8.201	2124	2134	2147	rVB	33469	53488	12.11%	1.330%
28	8.491	2215	2224	2235	rVB4	3686	6235	1.41%	0.155%
29	8.658	2263	2276	2303	rBV	257779	441662	100.00%	10.986%
30	9.436	2504	2518	2533	rBV	169378	278160	62.98%	6.919%
31	10.774	2922	2934	2947	rBV	68170	107584	24.36%	2.676%
32	10.906	2965	2975	2985	rVB3	12349	20452	4.63%	0.509%
33	11.584	3176	3186	3196	rVB10	2765	5744	1.30%	0.143%
34	11.651	3196	3207	3217	rBV9	4415	7773	1.76%	0.193%

LSC Area Percent Report

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Acq On : 02 Apr 2020 12:58
Operator : JC/MD
Sample : L2065-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR040120WMA.M
Title : TRACE VOA SOM01.0

35	11.825	3250	3261	3276	rBV	184858	289309	65.50%	7.196%
36	12.044	3323	3329	3333	rBV6	3340	4425	1.00%	0.110%
37	12.079	3333	3340	3345	rVV3	3368	4696	1.06%	0.117%
38	12.156	3355	3364	3368	rBV5	5939	8900	2.02%	0.221%
39	12.208	3368	3380	3393	rVB	194184	325450	73.69%	8.095%
40	12.301	3399	3409	3414	rBV10	2941	5439	1.23%	0.135%
41	12.565	3487	3491	3500	rVB7	3647	5592	1.27%	0.139%
42	12.725	3535	3541	3547	rBV6	3786	5534	1.25%	0.138%
43	12.774	3547	3556	3558	rVV5	6806	10596	2.40%	0.264%
44	12.793	3558	3562	3570	rVV4	8661	13557	3.07%	0.337%
45	12.854	3571	3581	3593	rVV5	33676	56240	12.73%	1.399%
46	12.983	3613	3621	3629	rBV6	3794	5858	1.33%	0.146%
47	13.073	3639	3649	3661	rVB3	25025	41174	9.32%	1.024%
48	13.150	3661	3673	3682	rBV6	14835	25810	5.84%	0.642%
49	13.327	3715	3728	3737	rBV9	7103	14501	3.28%	0.361%
50	13.404	3742	3752	3761	rVB7	6208	11250	2.55%	0.280%
51	13.478	3761	3775	3789	rVB7	12720	24233	5.49%	0.603%
52	13.552	3789	3798	3808	rVB5	5512	9457	2.14%	0.235%
53	13.639	3812	3825	3832	rBV9	10050	21421	4.85%	0.533%
54	13.751	3856	3860	3874	rVB9	4026	6607	1.50%	0.164%
55	13.870	3888	3897	3906	rBV10	3380	6649	1.51%	0.165%
56	14.114	3963	3973	3982	rBV	20842	34813	7.88%	0.866%
57	15.265	4323	4331	4341	rVB3	4078	5936	1.34%	0.148%

Sum of corrected areas: 4020146

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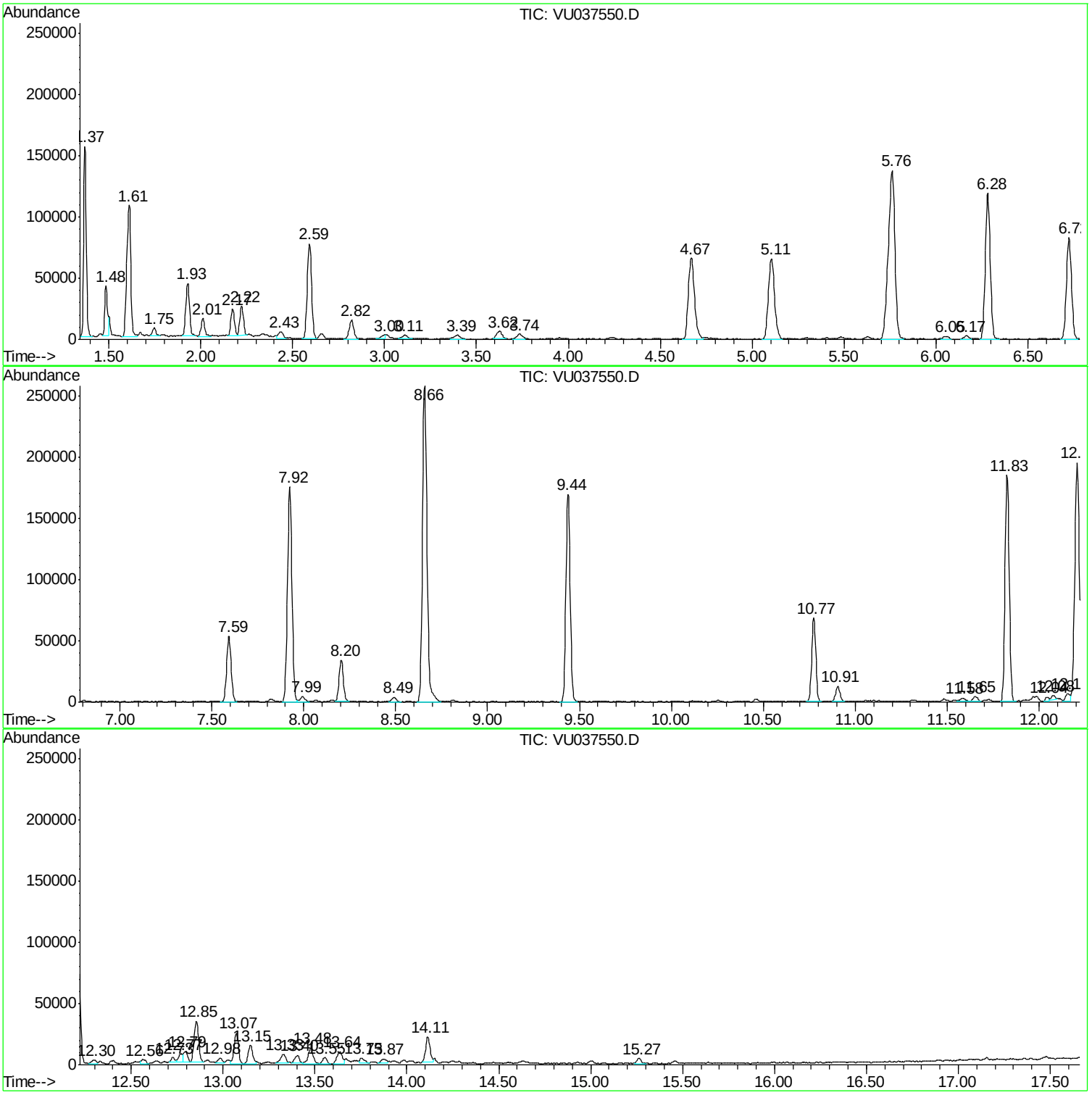
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU040220\
Data File : VU037550.D
Acq On : 02 Apr 2020 12:58
Operator : JC/MD
Sample : L2065-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

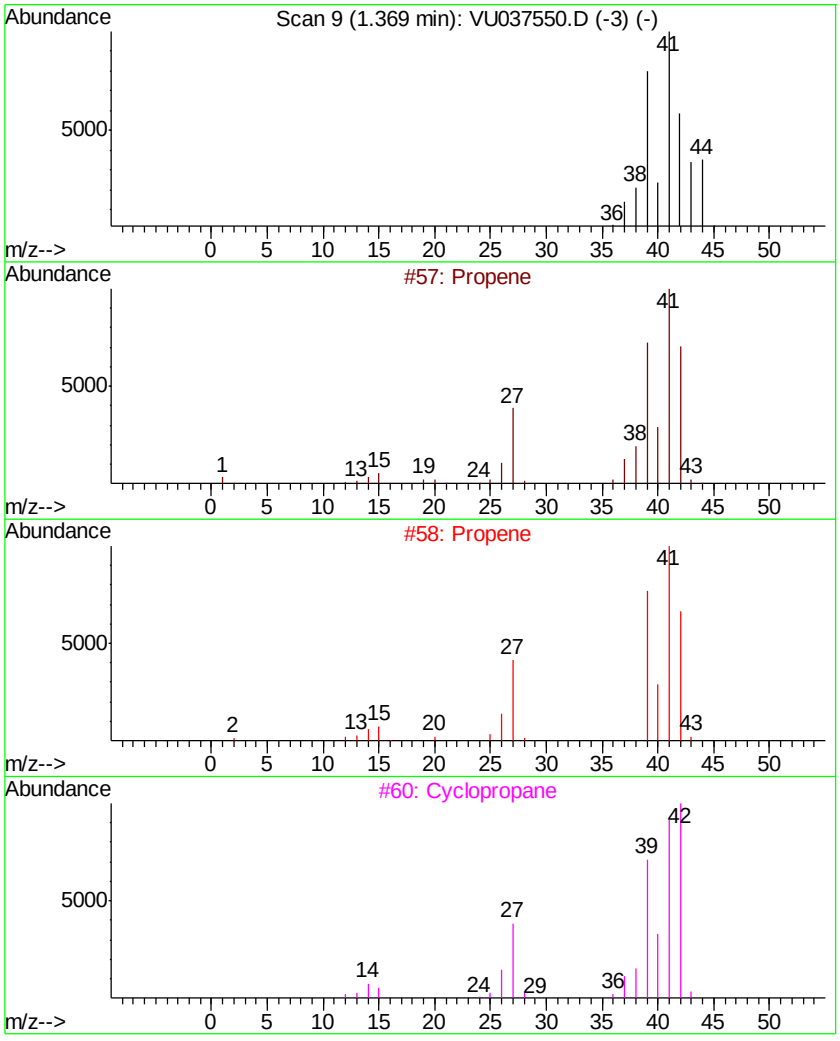
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0

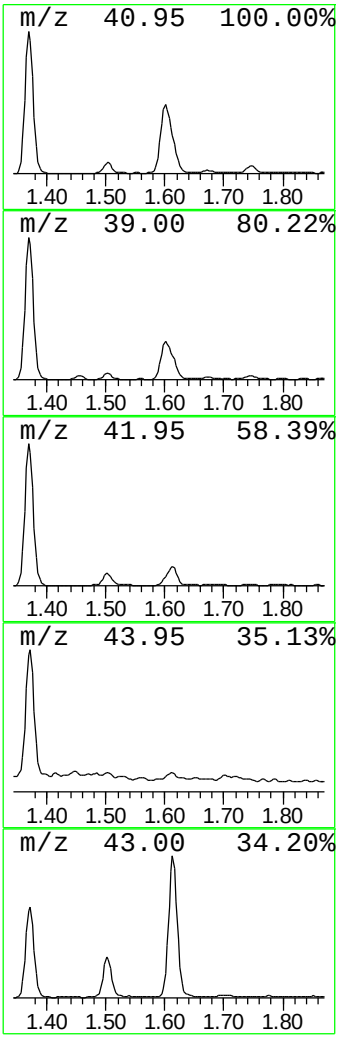
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	3.45 ug/L	153185	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU040220\
Data File : VU037550.D
Acq On : 02 Apr 2020 12:58
Operator : JC/MD
Sample : L2065-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0

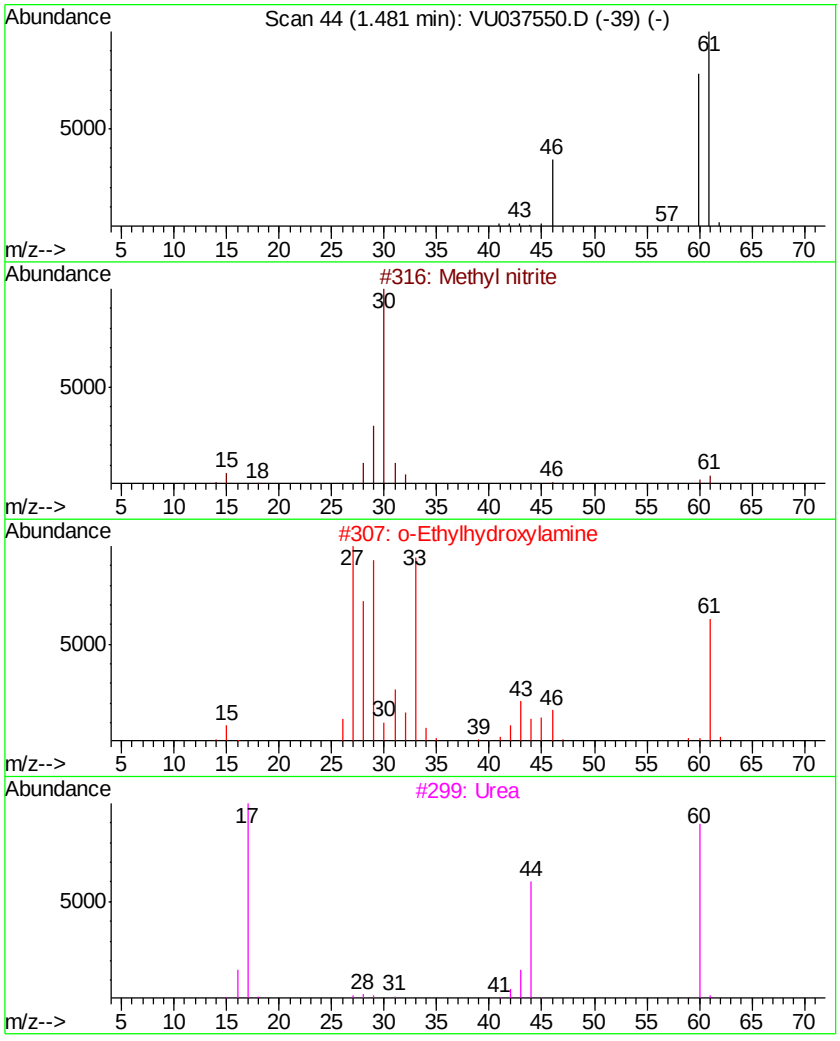
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

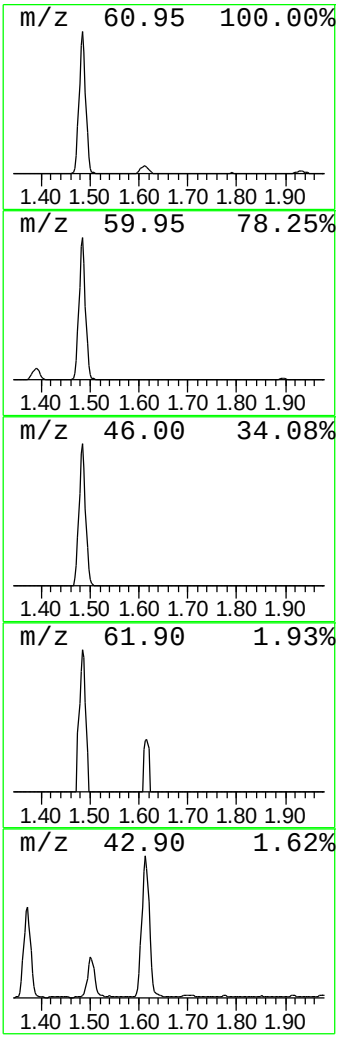
****

Peak Number 2 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	0.93 ug/L	41390	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl nitrite	61	CH3NO2	000624-91-9	5
2	o-Ethylhydroxylamine	61	C2H7NO	1000322-42-5	4
3	Urea	60	CH4N2O	000057-13-6	4
4	Urea	60	CH4N2O	000057-13-6	4
5	Methanamine, N-methoxy-	61	C2H7NO	001117-97-1	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU040220\
Data File : VU037550.D
Acq On : 02 Apr 2020 12:58
Operator : JC/MD
Sample : L2065-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0

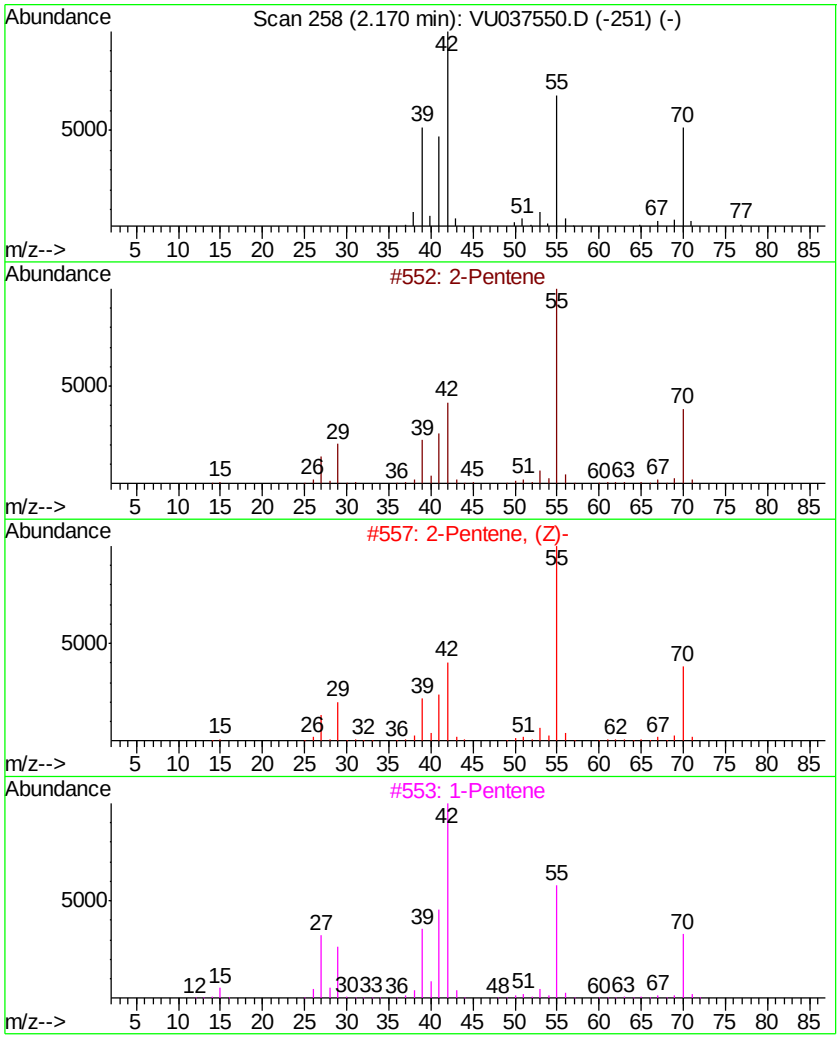
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

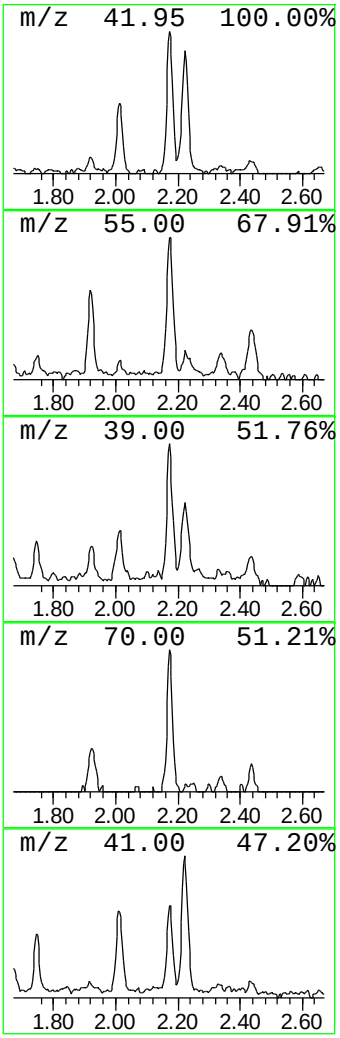
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	0.68 ug/L	30288	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene	70	C5H10	000109-68-2	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
3	1-Pentene	70	C5H10	000109-67-1	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
5	1-Pentene	70	C5H10	000109-67-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU040220\
Data File : VU037550.D
Acq On : 02 Apr 2020 12:58
Operator : JC/MD
Sample : L2065-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

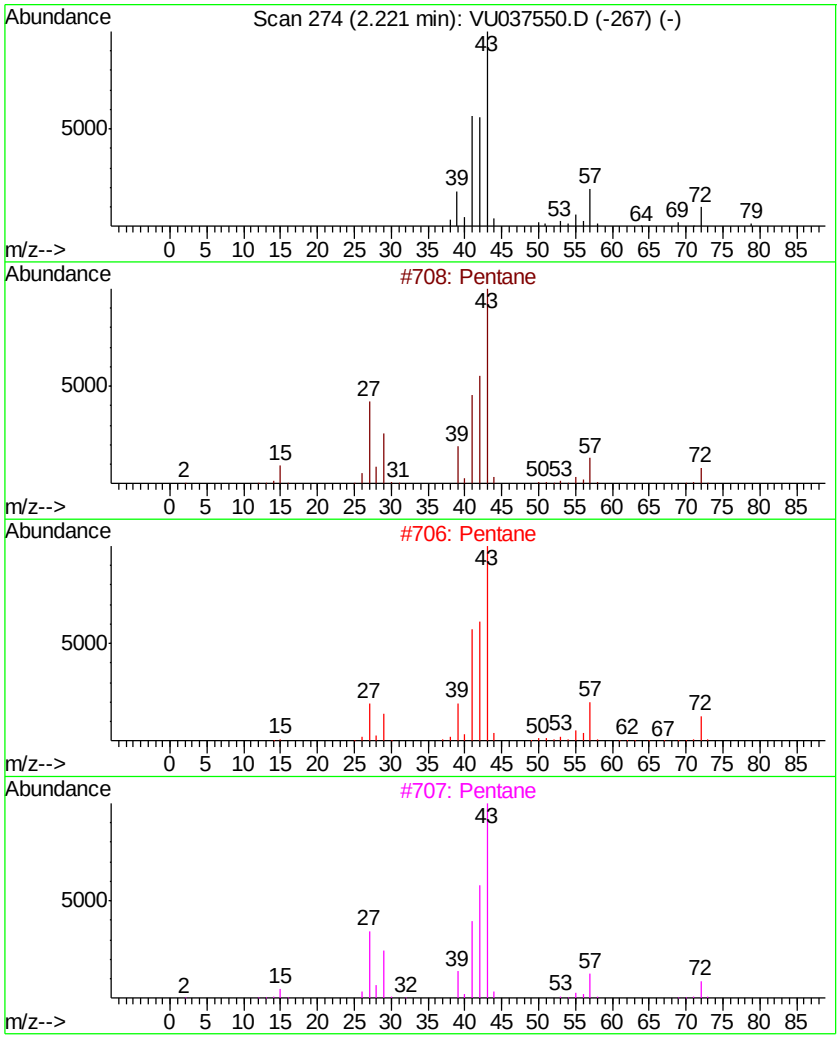
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0

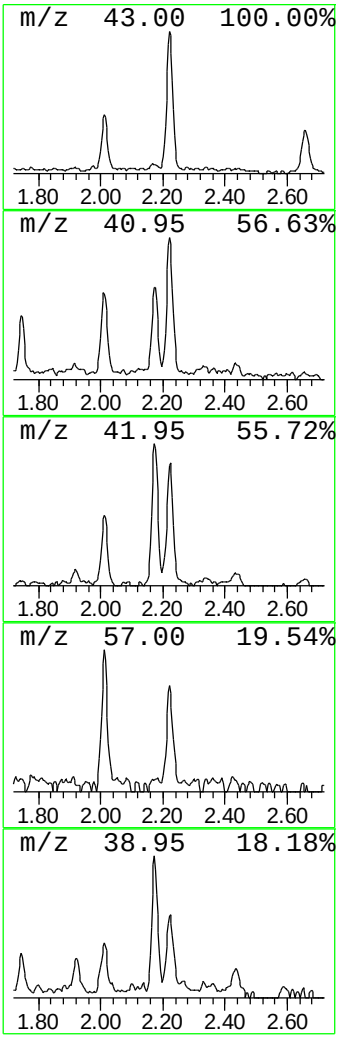
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	0.74 ug/L	32690	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	72
3	Pentane	72	C5H12	000109-66-0	72
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	38
5	Butane, 2-methyl-	72	C5H12	000078-78-4	36





Library Search Compound Report

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Acq On : 02 Apr 2020 12:58
Operator : JC/MD
Sample : L2065-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0

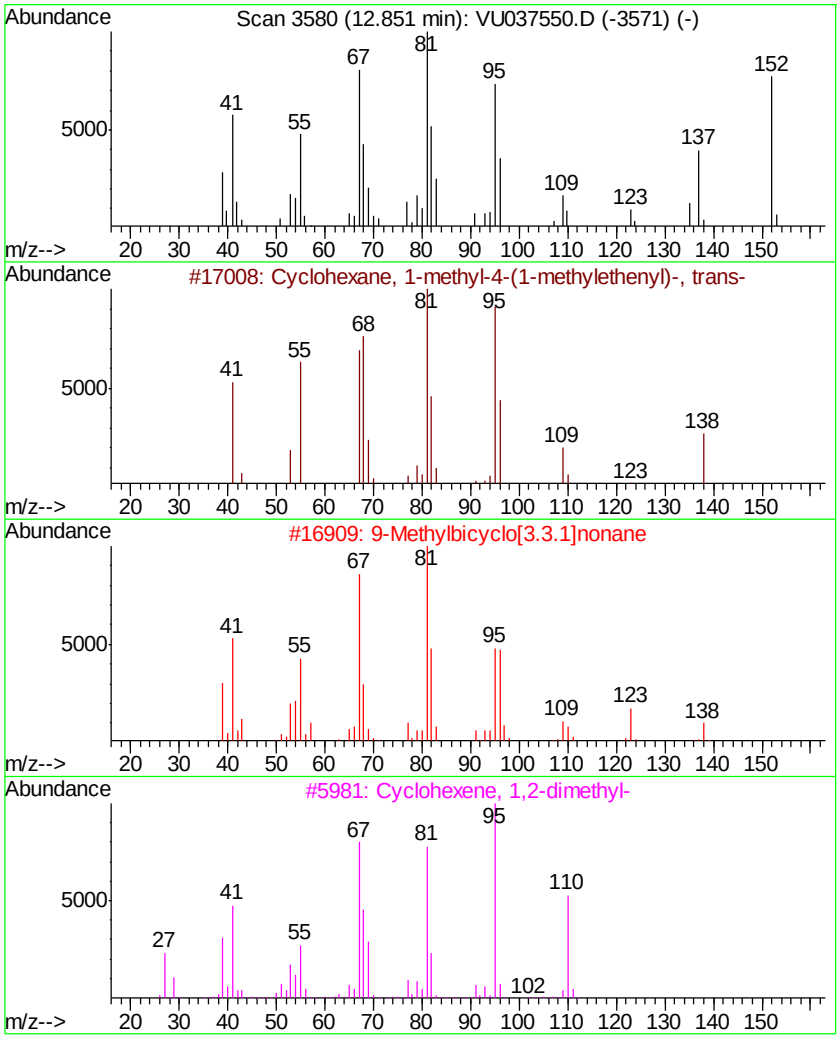
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

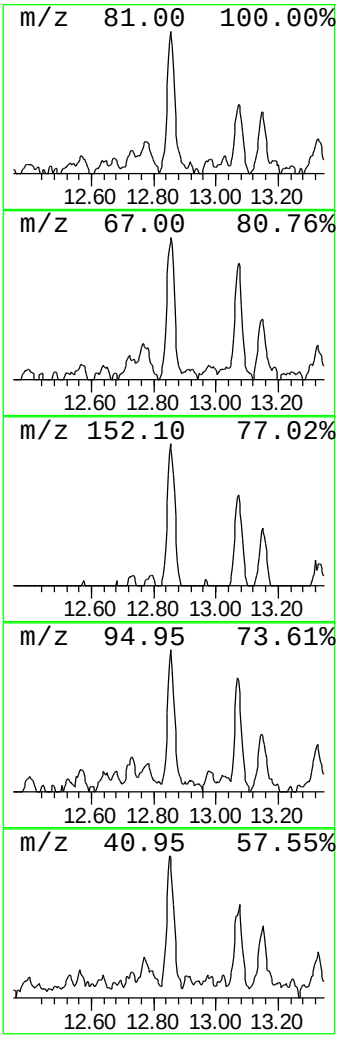
****

Peak Number 6 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	0.97 ug/L	56240	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	64
2	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	60
3	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	60
4	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	60
5	1-Adamantanol	152	C10H16O	000768-95-6	55





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Operator : JC/MD
Sample : L2065-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0

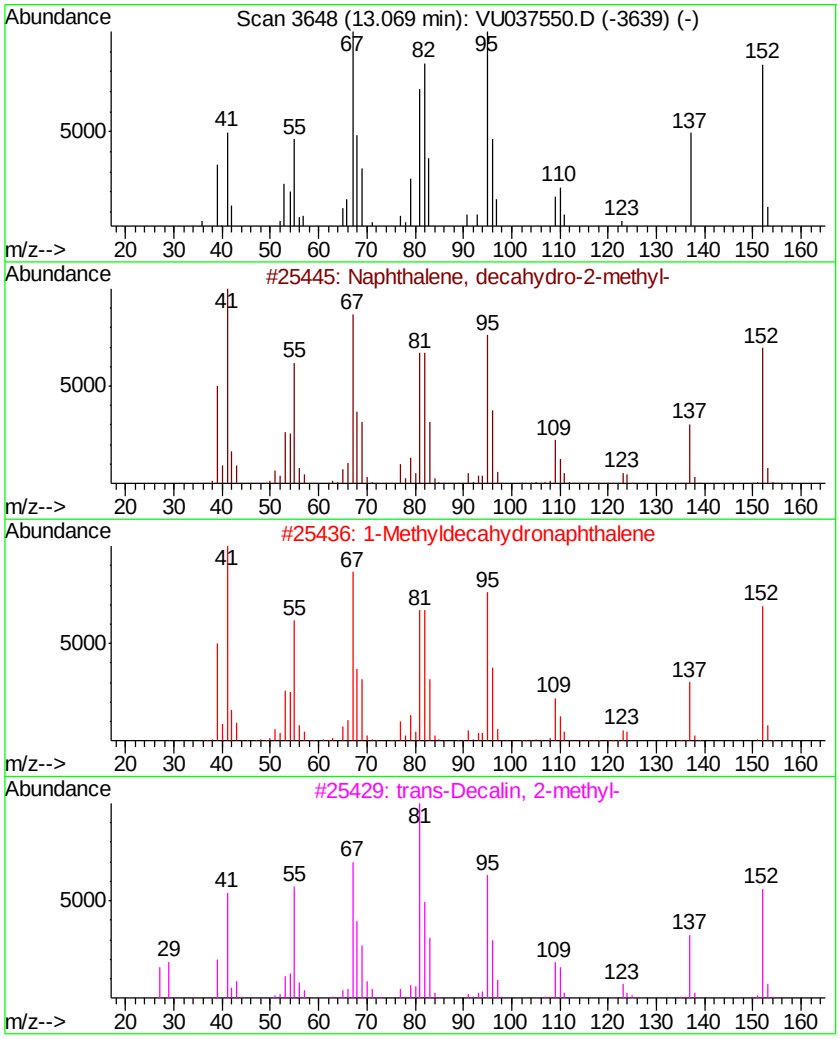
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

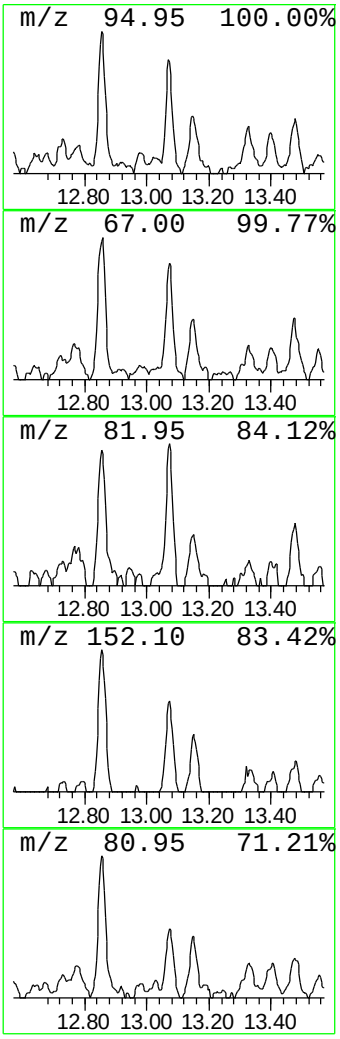
****

Peak Number 7 Naphthalene, decahydro-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	0.71 ug/L	41174	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	95
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	81





Tentatively Identified Compound (LSC) summary

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Data File : VU037550.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBF11

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.37	3.5	ug/L	153185	1	6.28	222304	5.0
unknown-01	1.48	0.9	ug/L	41390	1	6.28	222304	5.0
(DEL) Alkane: Str...	2.17	0.7	ug/L	30288	1	6.28	222304	5.0
(DEL) Alkane: Str...	2.22	0.7	ug/L	32690	1	6.28	222304	5.0
Cyclohexane, 1-me...	12.85	1.0	ug/L	56240	3	11.83	289309	5.0
Naphthalene, deca...	13.07	0.7	ug/L	41174	3	11.83	289309	5.0