

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100320\
 Data File : VU040484.D
 Acq On : 03 Oct 2020 17:04
 Operator : SY/MD
 Sample : L4240-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3T3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.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	1.366	3	8	16	rVB	31063	30026	5.26%	0.572%
2	1.449	28	34	38	rBV	7273	7558	1.32%	0.144%
3	1.494	38	48	75	rBV	109993	427875	74.92%	8.151%
4	1.604	77	82	91	rVB	60721	81701	14.31%	1.556%
5	1.922	175	181	191	rVB	40739	53625	9.39%	1.021%
6	2.581	374	386	401	rBV	86652	141685	24.81%	2.699%
7	2.671	403	414	426	rVV	2734	7088	1.24%	0.135%
8	3.063	523	536	538	rBV4	8613	14638	2.56%	0.279%
9	3.102	540	548	568	rVB2	22562	45765	8.01%	0.872%
10	3.378	619	634	652	rBV2	58122	129425	22.66%	2.465%
11	3.719	725	740	757	rBV2	51181	113701	19.91%	2.166%
12	4.317	912	926	940	rVB4	6748	17099	2.99%	0.326%
13	4.456	957	969	982	rBV5	5129	13740	2.41%	0.262%
14	4.552	985	999	1016	rVB3	36418	84905	14.87%	1.617%
15	4.661	1016	1033	1076	rBV	66702	245185	42.93%	4.671%
16	5.083	1148	1164	1183	rBV	79461	175876	30.79%	3.350%
17	5.407	1252	1265	1275	rBV7	4132	8513	1.49%	0.162%
18	5.742	1348	1369	1386	rBV3	156923	413240	72.36%	7.872%
19	6.263	1515	1531	1547	rBV	170467	322258	56.43%	6.139%
20	6.703	1654	1668	1687	rBV	103579	202070	35.38%	3.849%
21	7.574	1927	1939	1952	rBV	51453	89238	15.62%	1.700%
22	7.906	2028	2042	2055	rBV	180646	309799	54.24%	5.901%
23	7.976	2056	2064	2074	rVB	11358	18708	3.28%	0.356%
24	8.185	2118	2129	2146	rBV	35943	59623	10.44%	1.136%
25	8.642	2258	2271	2311	rBV	305754	571124	100.00%	10.879%
26	9.420	2499	2513	2535	rBV	251845	430228	75.33%	8.195%
27	9.693	2586	2598	2608	rBV4	9741	14586	2.55%	0.278%
28	10.102	2715	2725	2732	rBV2	6148	9193	1.61%	0.175%
29	10.754	2917	2928	2952	rVB	83791	138624	24.27%	2.641%
30	10.902	2963	2974	2985	rVB2	10389	15864	2.78%	0.302%
31	10.996	2991	3003	3022	rBV3	33425	69566	12.18%	1.325%
32	11.086	3022	3031	3039	rVB3	14552	21468	3.76%	0.409%
33	11.227	3066	3075	3086	rBV2	20749	32322	5.66%	0.616%
34	11.288	3086	3094	3107	rVB2	17486	26381	4.62%	0.503%

LSC Area Percent Report

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Title : TRACE VOA SOM01.0

35	11.465	3138	3149	3163	rVB2	45421	70969	12.43%	1.352%
36	11.809	3244	3256	3271	rBV	250551	399935	70.03%	7.618%
37	11.889	3271	3281	3292	rVV	21167	30528	5.35%	0.582%
38	12.089	3335	3343	3349	rBV3	8464	12982	2.27%	0.247%
39	12.188	3361	3374	3390	rVB	202177	331579	58.06%	6.316%
40	12.565	3483	3491	3500	rVB3	6485	8427	1.48%	0.161%
41	12.876	3579	3588	3600	rVB7	5328	8943	1.57%	0.170%
42	13.018	3623	3632	3640	rVB2	4502	6167	1.08%	0.117%
43	13.442	3757	3764	3774	rVB5	6243	8577	1.50%	0.163%
44	13.828	3872	3884	3901	rVB5	11039	18732	3.28%	0.357%
45	14.079	3951	3962	3974	rVB	6465	10102	1.77%	0.192%

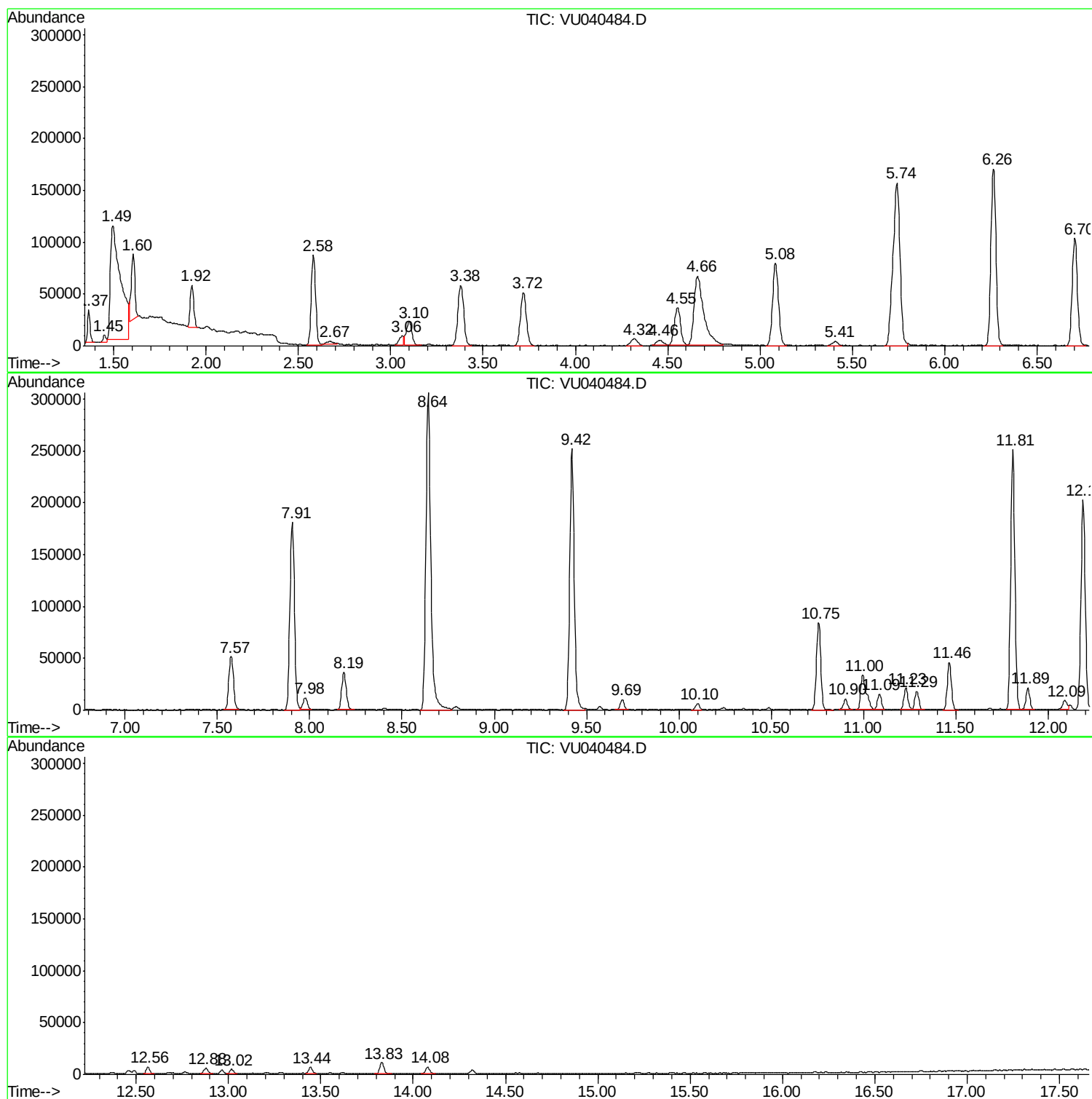
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

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



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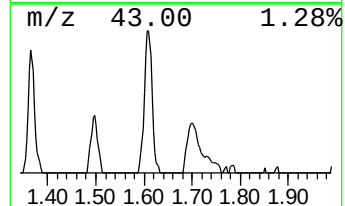
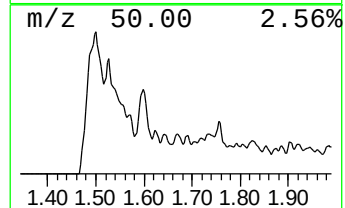
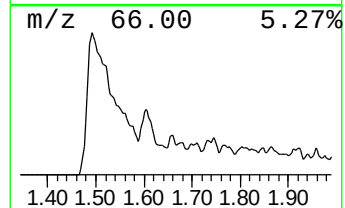
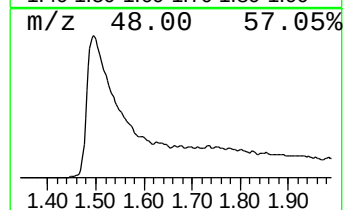
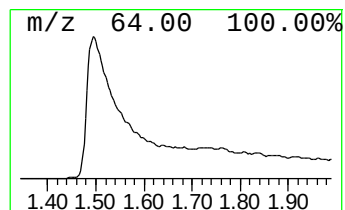
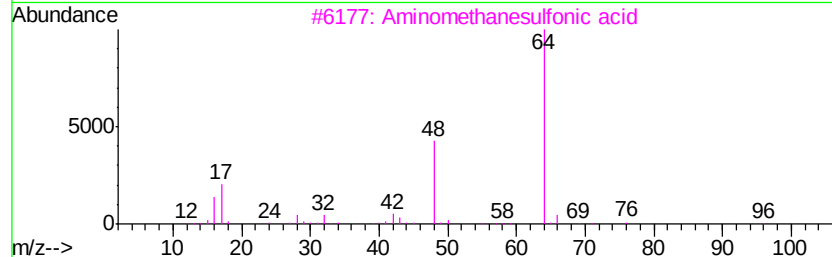
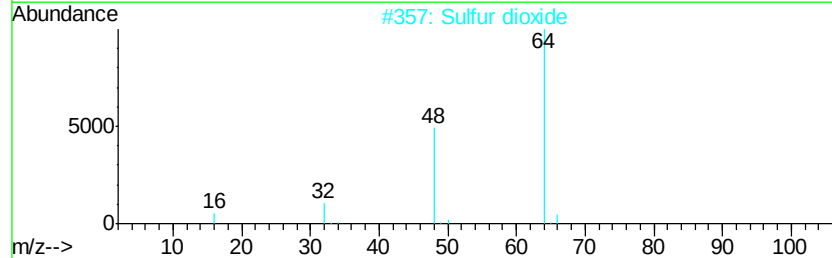
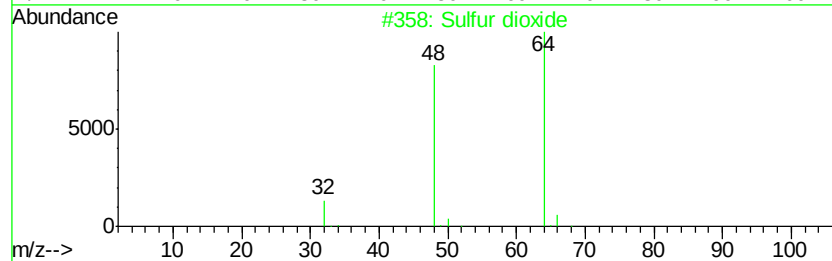
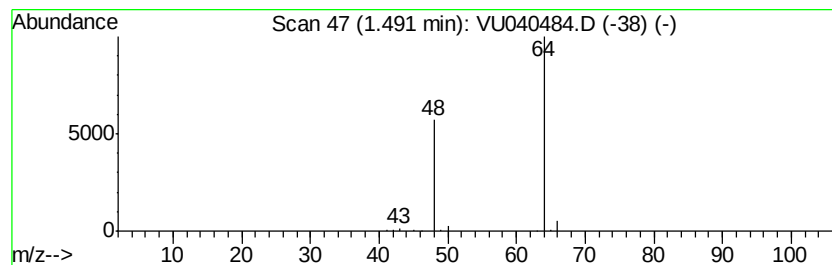
Instrument :
MSVOA_U
ClientSampleId :
BG3T3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.49	6.64 ug/L	427875	1,4-Difluorobenzene	6.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Sulfur dioxide	64 02S	007446-09-5	83
2	Sulfur dioxide	64 02S	007446-09-5	83
3	Aminomethanesulfonic acid	111 CH5N03S	013881-91-9	74
4	L-Alanine, 3-sulfo-	169 C3H7N05S	000498-40-8	9
5	Aminomethanesulfonic acid	111 CH5N03S	013881-91-9	9



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Instrument :
MSVOA_U
ClientSampled :
BG3T3

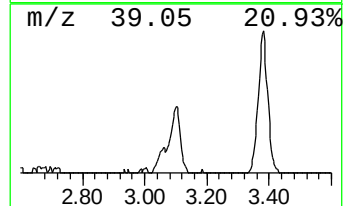
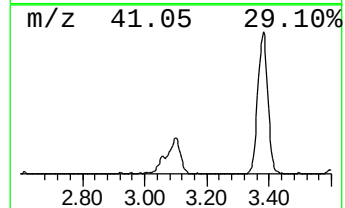
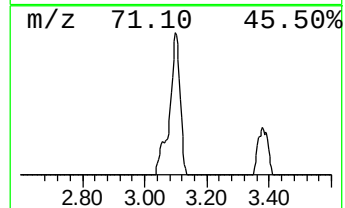
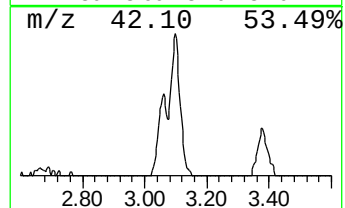
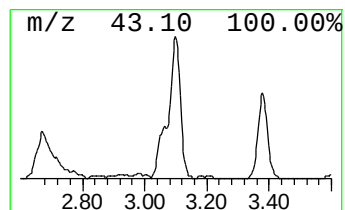
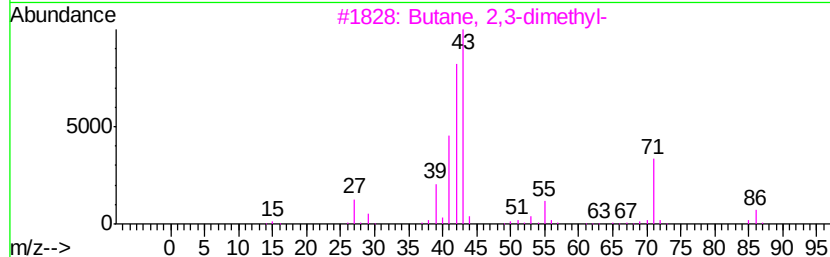
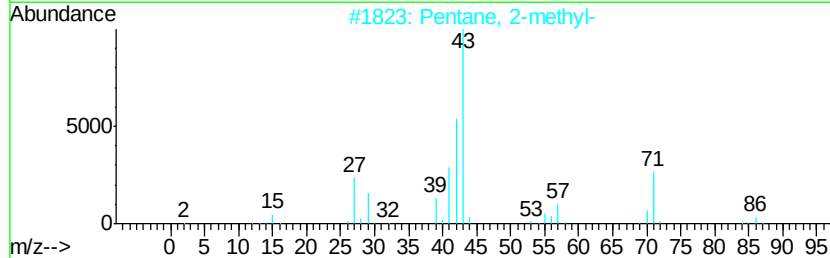
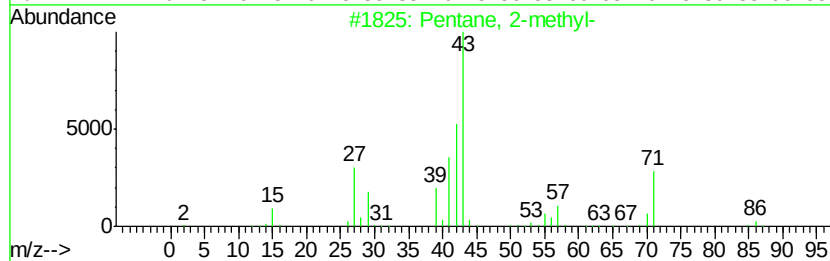
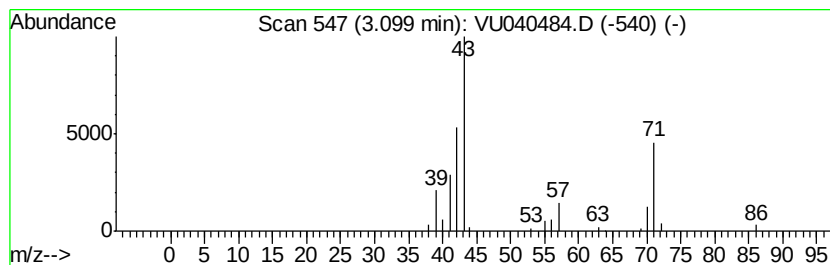
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	0.71 ug/L	45765	1,4-Difluorobenzene	6.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
2		Pentane, 2-methyl-	86	C6H14	000107-83-5	58
3		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
4		Pentane	72	C5H12	000109-66-0	37
5		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	32



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Instrument :
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ClientSampleId :
BG3T3

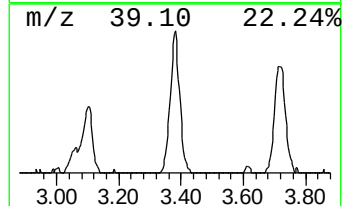
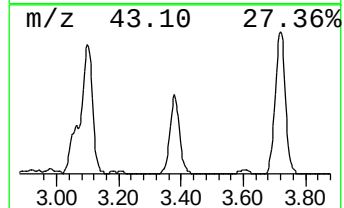
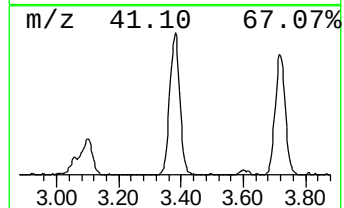
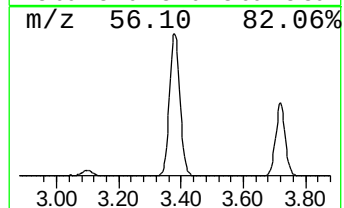
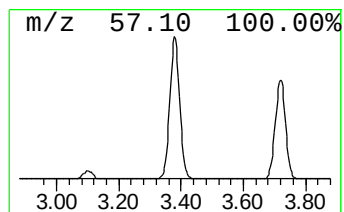
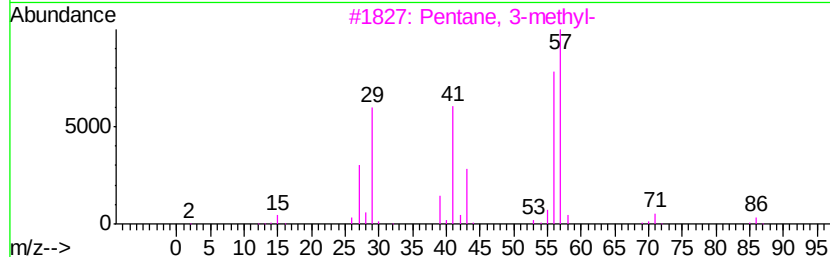
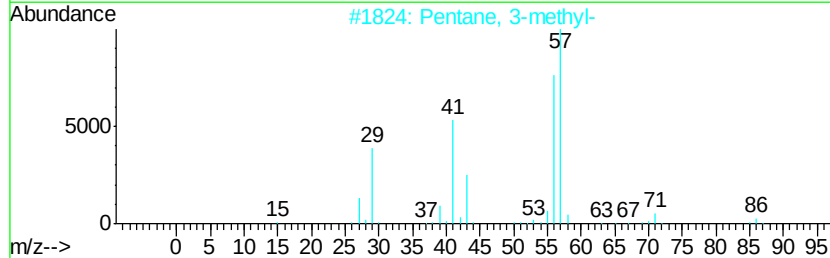
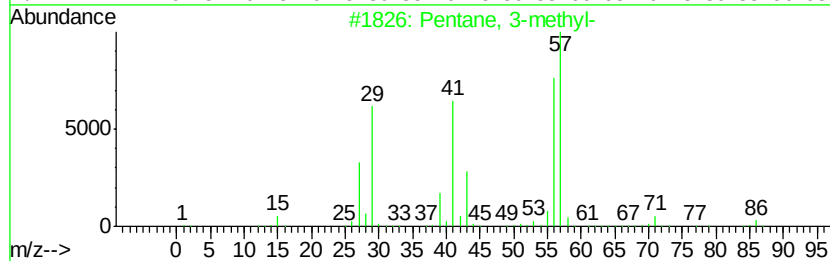
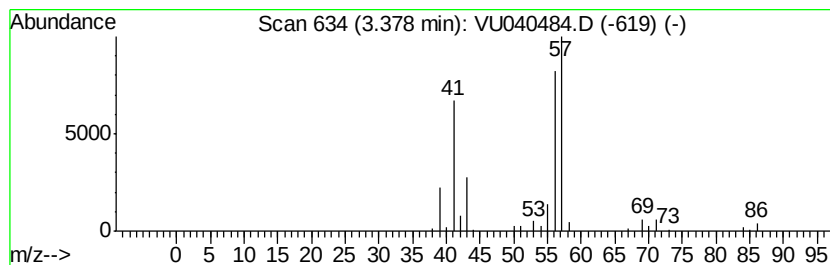
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.38	2.01 ug/L	129425	1,4-Difluorobenzene	6.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3		Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	78
5		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78



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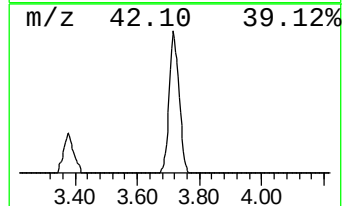
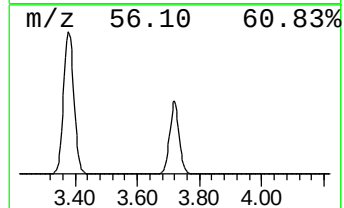
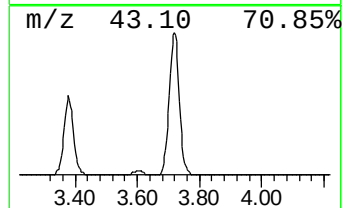
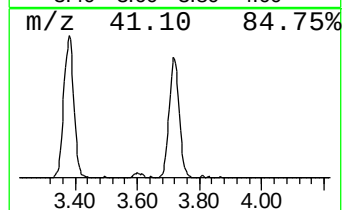
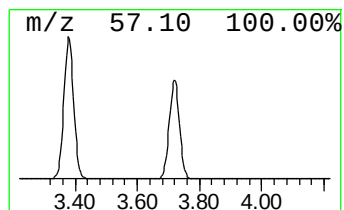
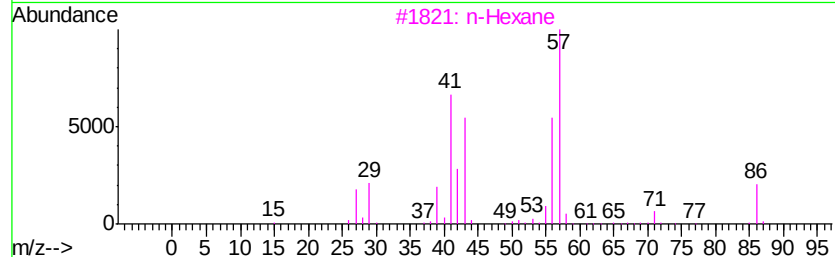
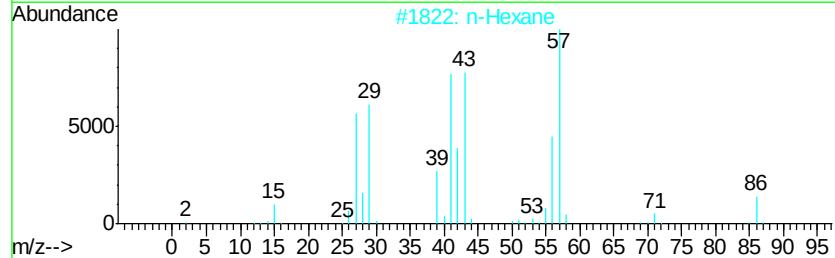
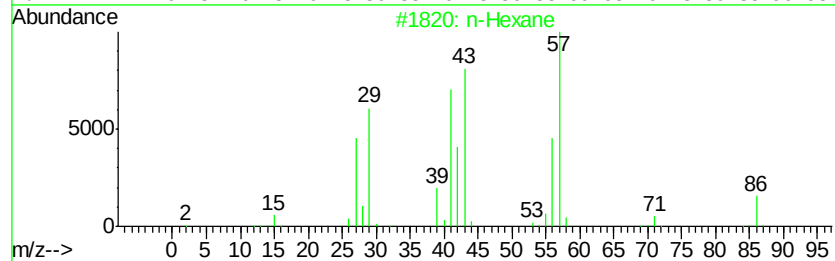
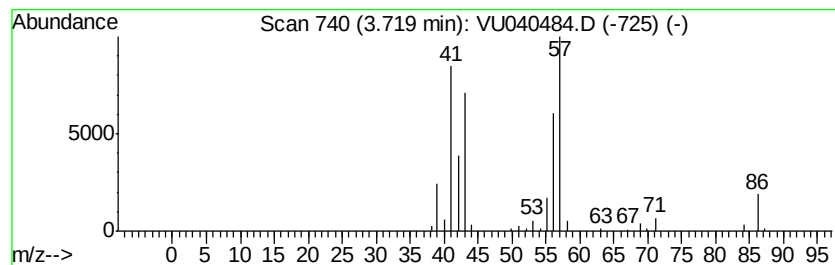
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	1.76 ug/L	113701	1,4-Difluorobenzene	6.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane		86	C6H14	000110-54-3	86
2	n-Hexane		86	C6H14	000110-54-3	86
3	n-Hexane		86	C6H14	000110-54-3	64
4	1-Pentene, 4-methyl-		84	C6H12	000691-37-2	53
5	Butane, 2-nitro-		103	C4H9NO2	000600-24-8	36



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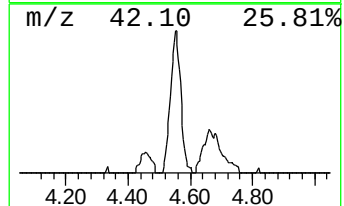
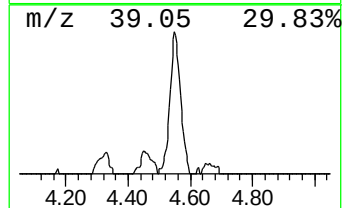
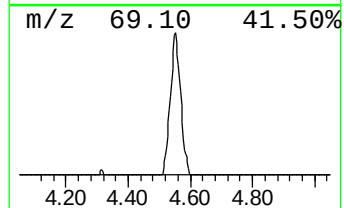
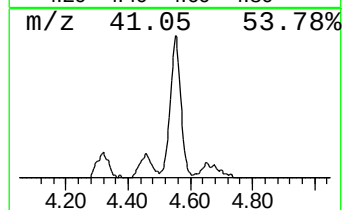
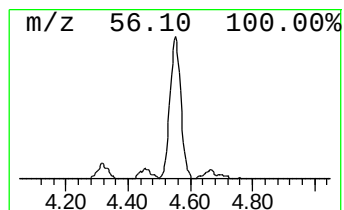
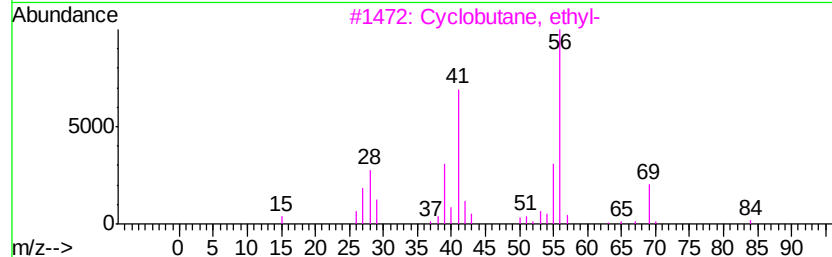
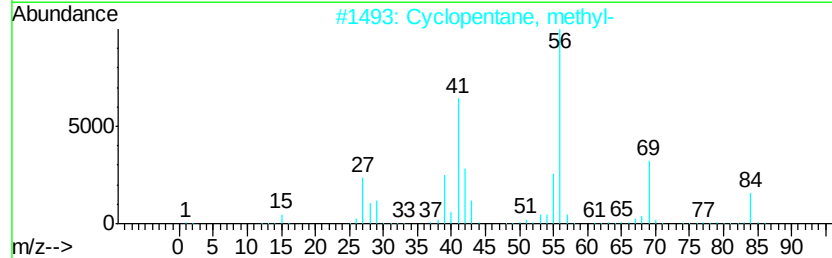
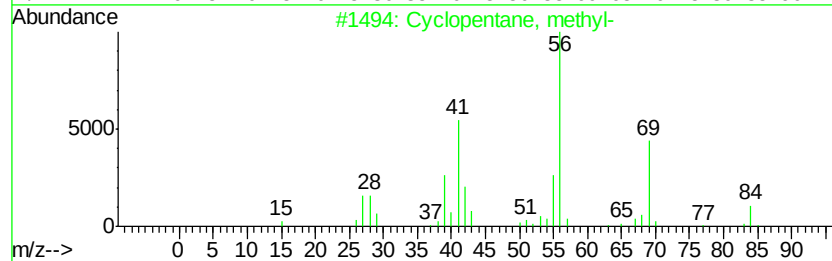
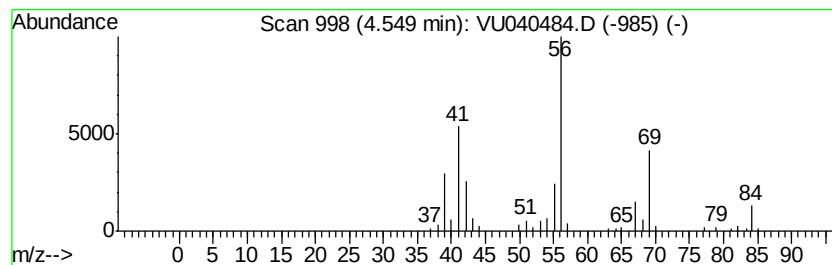
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic4.55 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	1.32 ug/L	84905	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
5	Cyclobutane, butyl-	112	C8H16	013152-44-8	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100320\
Data File : VU040484.D
Acq On : 03 Oct 2020 17:04
Operator : SY/MD
Sample : L4240-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

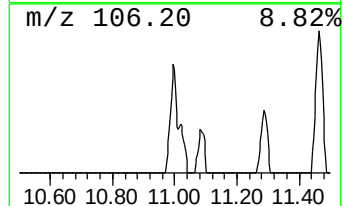
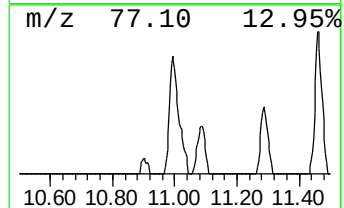
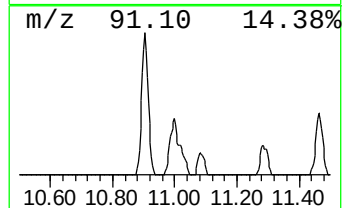
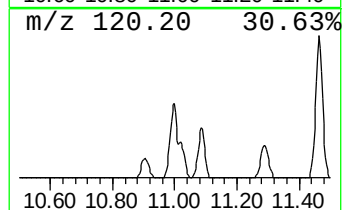
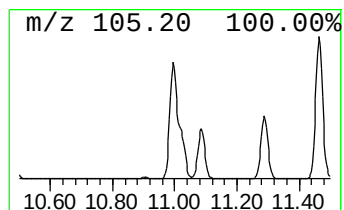
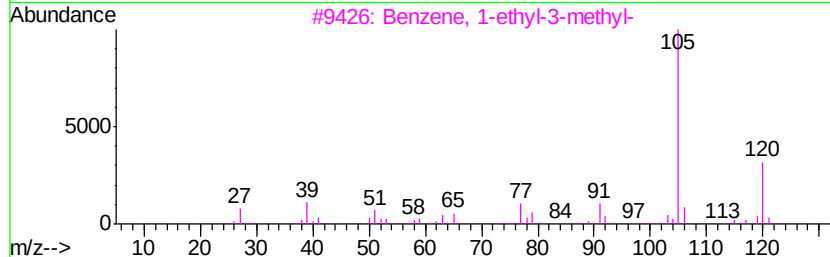
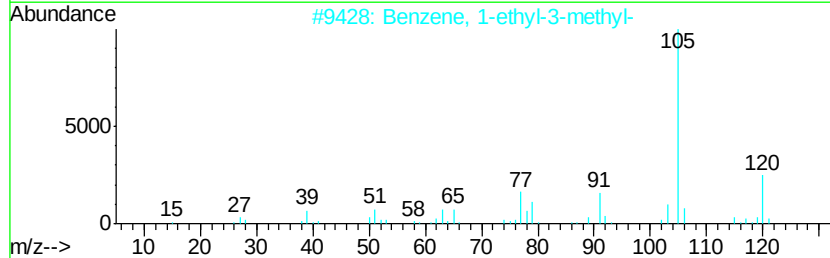
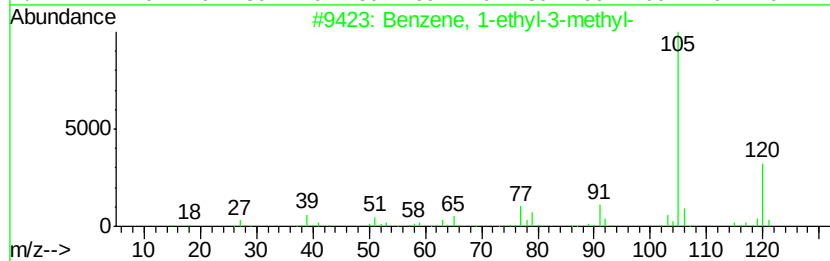
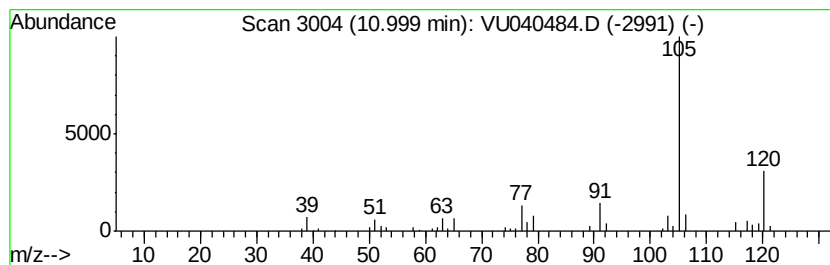
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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.00	0.87 ug/L	69566	1,4-Dichlorobenzene-d4	11.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100320\
Data File : VU040484.D
Acq On : 03 Oct 2020 17:04
Operator : SY/MD
Sample : L4240-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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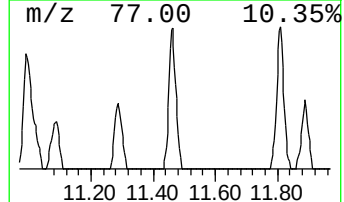
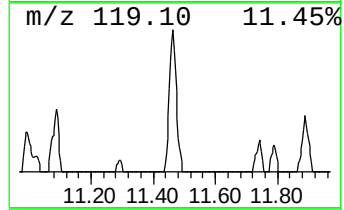
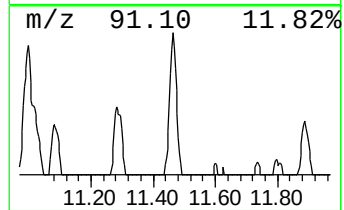
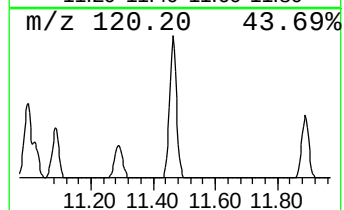
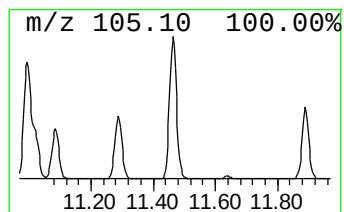
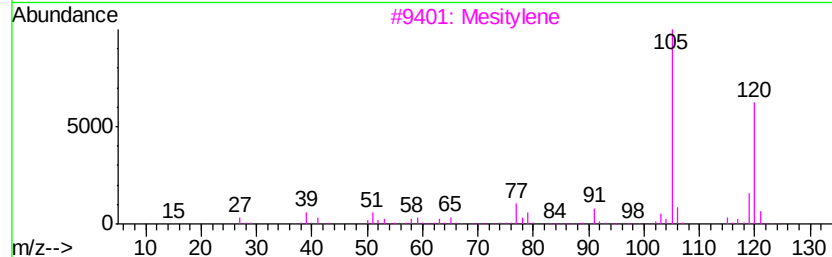
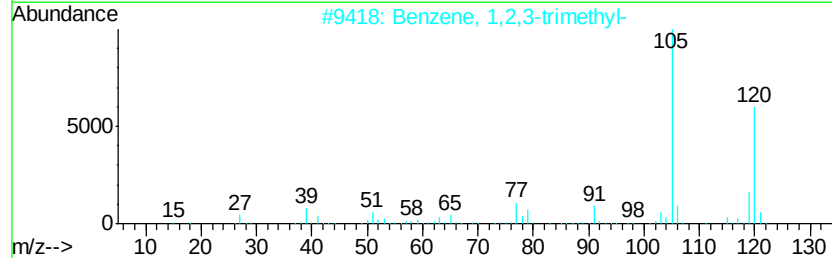
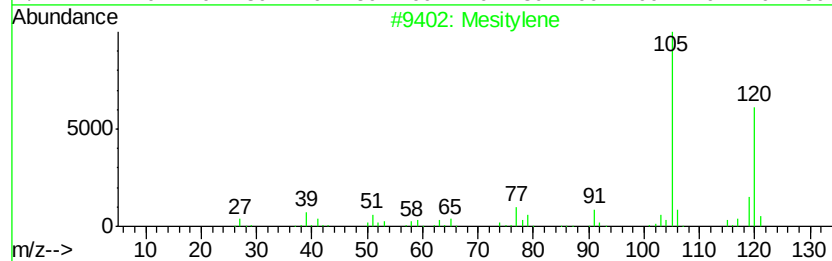
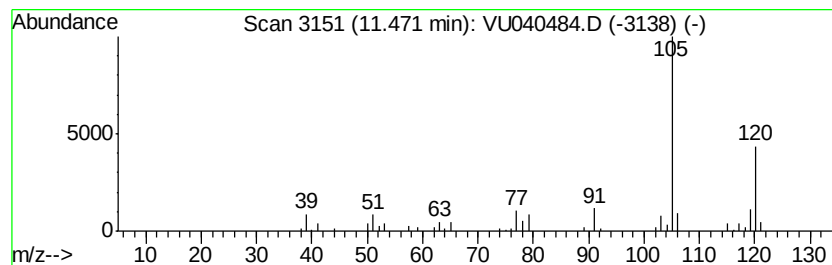
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 8 Mesitylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	0.89 ug/L	70969	1,4-Dichlorobenzene-d4	11.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene		120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-		120	C9H12	000526-73-8	95
3	Mesitylene		120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-		120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-		120	C9H12	000526-73-8	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100320\
Data File : VU040484.D
Acq On : 03 Oct 2020 17:04
Operator : SY/MD
Sample : L4240-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG3T3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfur dioxide	1.49	6.6	ug/L	427875	1	6.26	322258	5.0
(DEL) Alkane: Str...	3.10	0.7	ug/L	45765	1	6.26	322258	5.0
(DEL) Alkane: Str...	3.38	2.0	ug/L	129425	1	6.26	322258	5.0
(DEL) Alkane: Str...	3.72	1.8	ug/L	113701	1	6.26	322258	5.0
(DEL) Alkane: Cyc...	4.55	1.3	ug/L	84905	1	6.26	322258	5.0
Benzene, 1-ethyl-...	11.00	0.9	ug/L	69566	3	11.81	399935	5.0
Mesitylene	11.47	0.9	ug/L	70969	3	11.81	399935	5.0