LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : PILOT-PLANT-PROCESS-BLEED

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\82U050621W.M
Title : SW846 8260

Signal : TIC: VU043590.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.475	33	42	53	rBV	58248	64894	1.06%	0.457%
2	1.684	97	107	129	rBV	5414831	6128683	100.00%	43.115%
3	2.282	282	293	310	rBV	94602	150096	2.45%	1.056%
4	4.452	952	968	986	rBV2	35335	85260	1.39%	0.600%
5	4.806	1061	1078	1116	rBV	570103	1260413	20.57%	8.867%
6	5.060	1143	1157	1179	rBV2	78639	183269	2.99%	1.289%
7	5.298	1216	1231	1244	rBV	133705	279939	4.57%	1.969%
8	5.382	1244	1257	1273	rVB	183591	375006	6.12%	2.638%
9	5.591	1306	1322	1345	rBV	821781	1634090	26.66%	11.496%
10	5.710	1346	1359	1375	rVB	161592	323470	5.28%	2.276%
11	6.256	1514	1529	1548	rBV	293069	545230	8.90%	3.836%
12	6.967	1733	1750	1771	rVB	40453	78860	1.29%	0.555%
13	7.906	2028	2042	2064	rBV	482457	822865	13.43%	5.789%
14	9.423	2499	2514	2538	rBV	421277	684576	11.17%	4.816%
15	10.462	2824	2837	2859	rBV	259916	421350	6.88%	2.964%
16	10.639	2879	2892	2914	rVB	362584	564501	9.21%	3.971%
17	11.819	3247	3259	3276	rBV	397626	612164	9.99%	4.307%

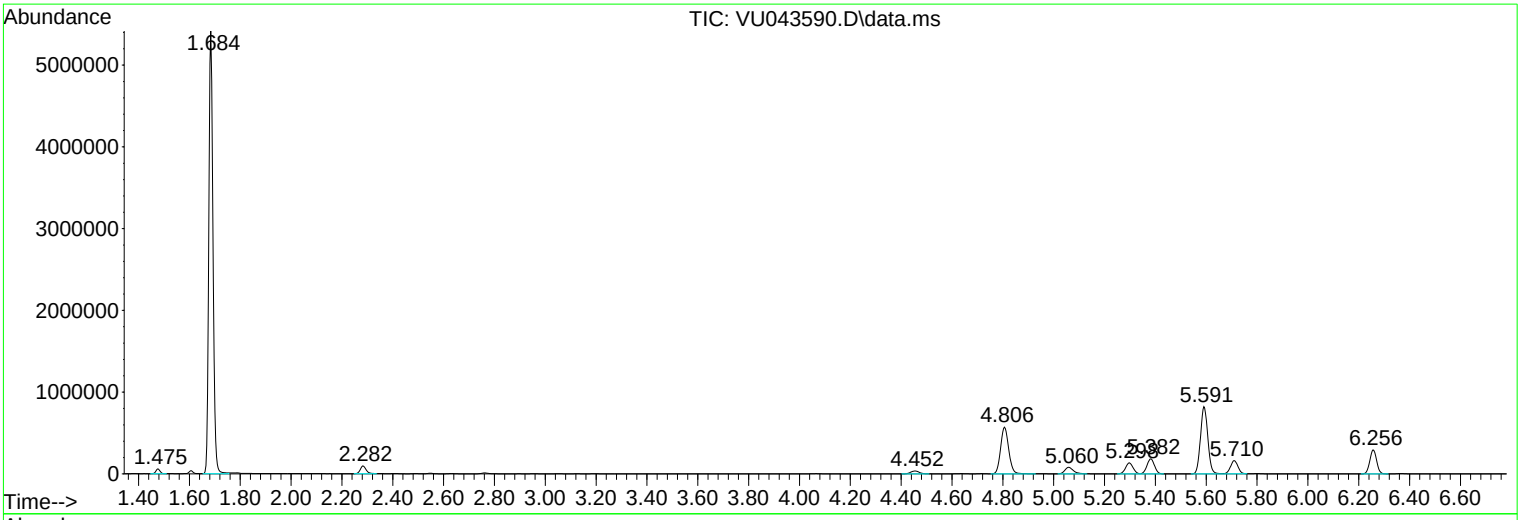
Sum of corrected areas: 14214666

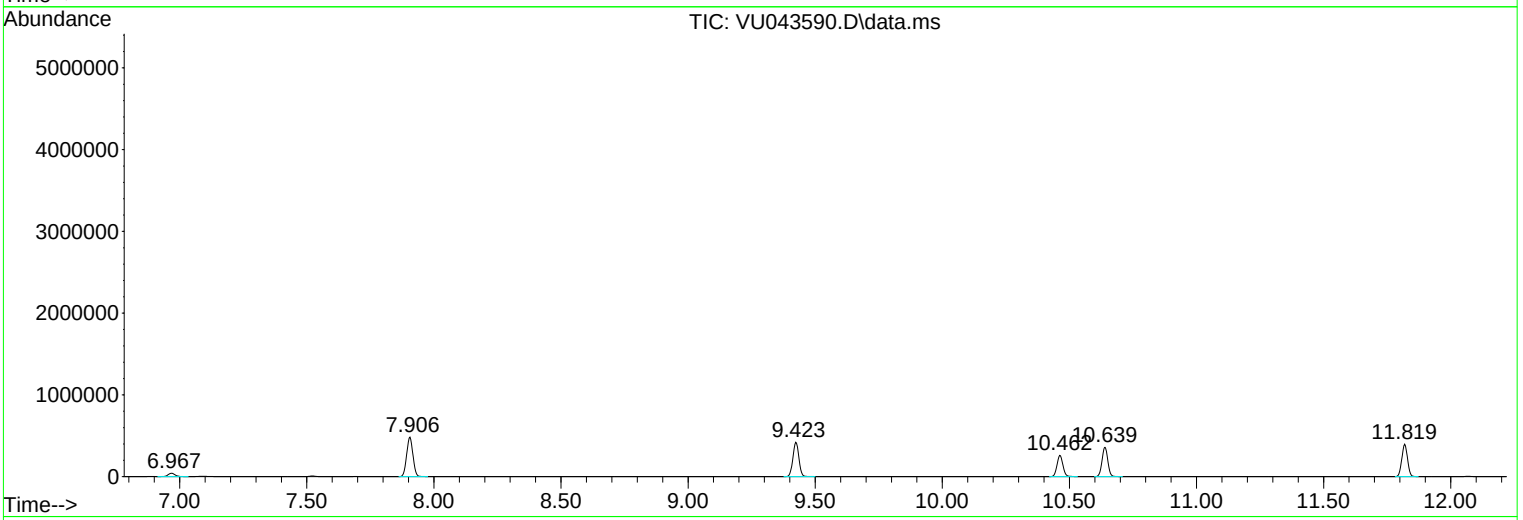
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

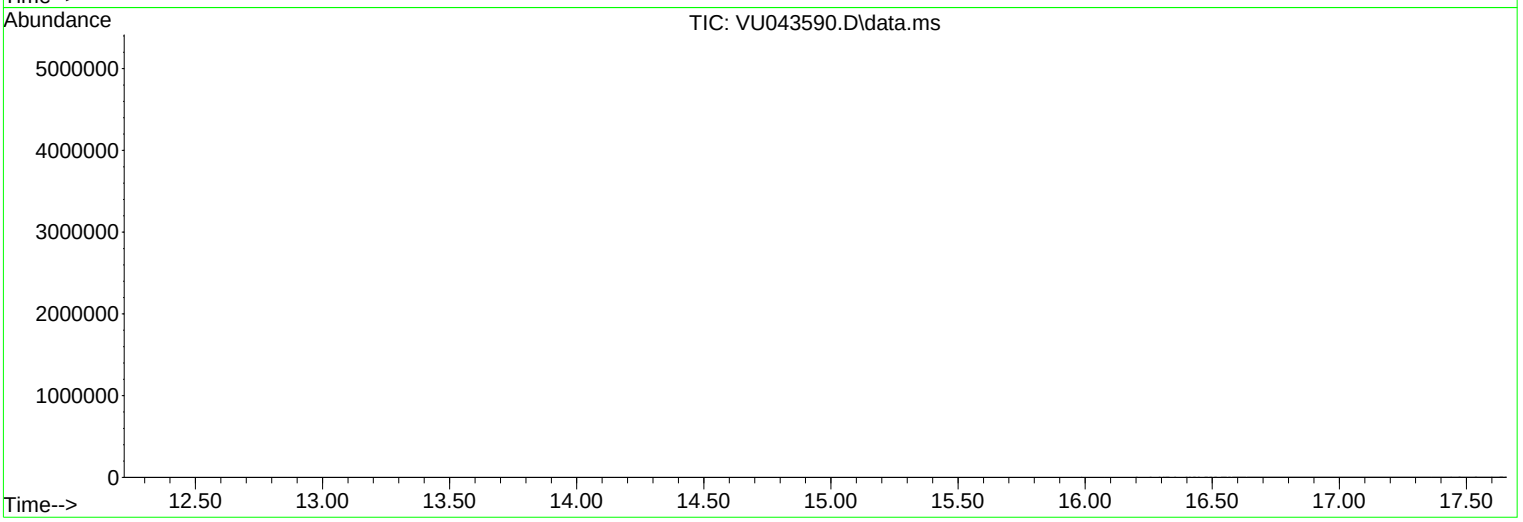
Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260

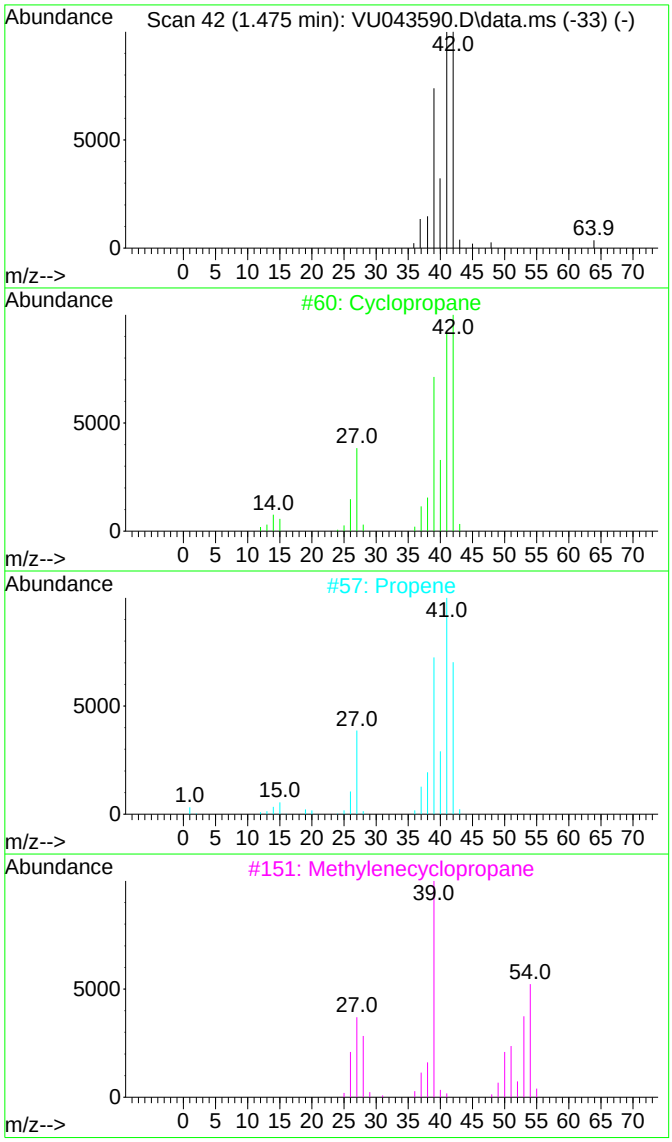
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

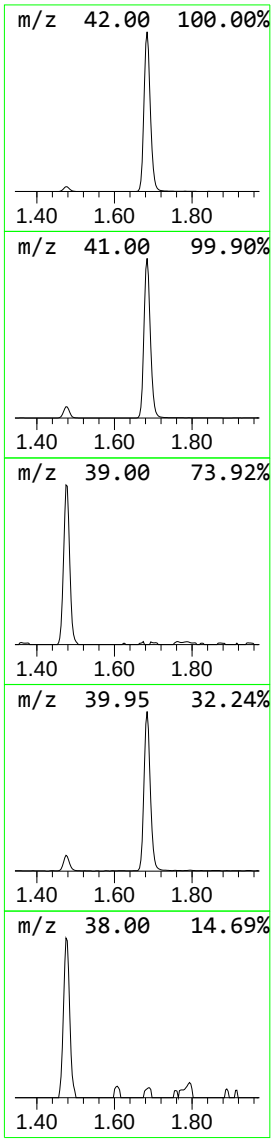
****

Peak Number 1 Cyclopropane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.475	8.65 ug/l	64894	Pentafluorobenzene	5.382

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane	42	C3H6	000075-19-4	90
2	Propene	42	C3H6	000115-07-1	83
3	Methylenecyclopropane	54	C4H6	006142-73-0	9
4	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	2
5	4-Amino-1-butanol	89	C4H11NO	013325-10-5	1





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260

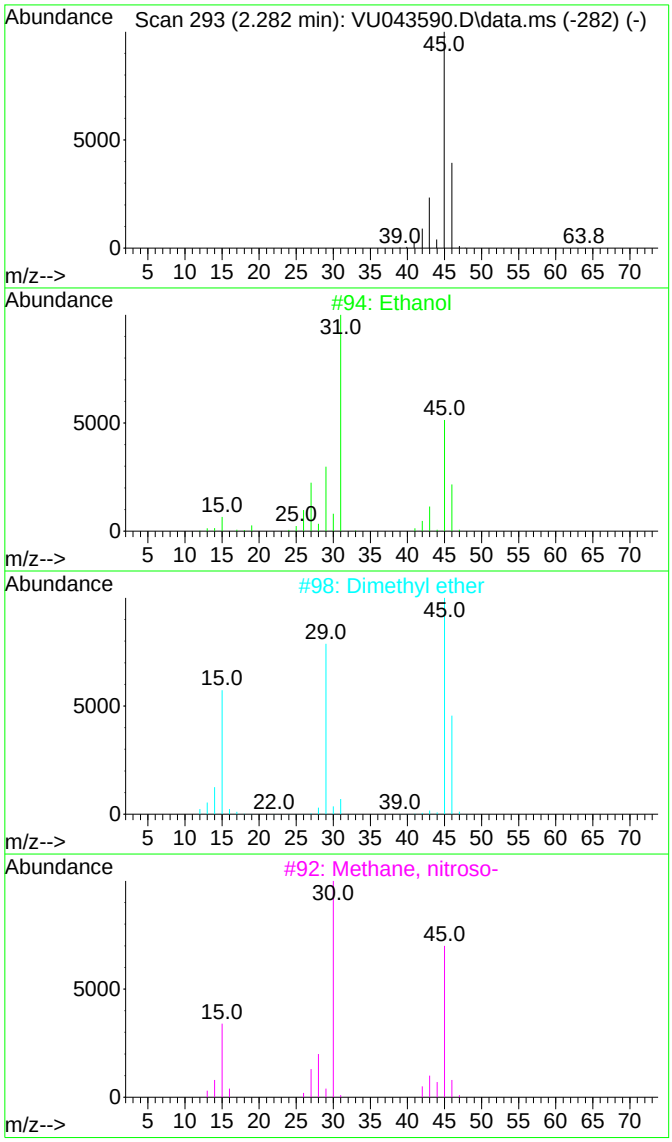
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

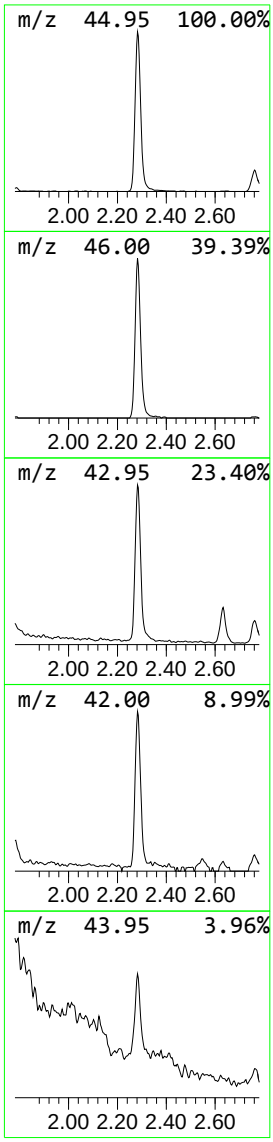
****

Peak Number 3 Ethanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.282	20.01 ug/l	150096	Pentafluorobenzene	5.382

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	74
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	4
4	Formic acid	46	CH2O2	000064-18-6	4
5	Oxalic acid	90	C2H2O4	000144-62-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260

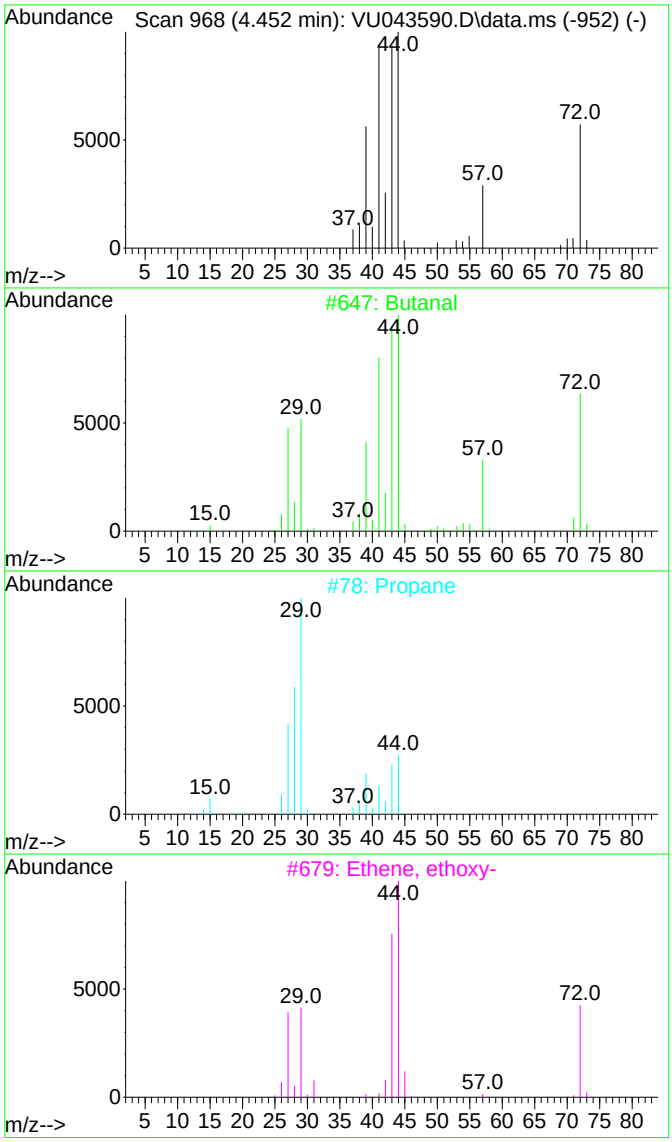
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

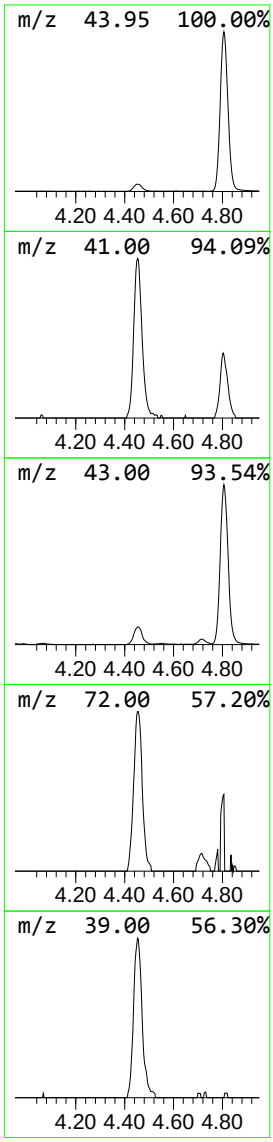
****

Peak Number 4 Butanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.452	11.37 ug/l	85260	Pentafluorobenzene	5.382

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	64
2	Propane	44	C3H8	000074-98-6	53
3	Ethene, ethoxy-	72	C4H8O	000109-92-2	47
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	35
5	N-Formyl-dl-alanine	117	C4H7NO3	005893-10-7	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

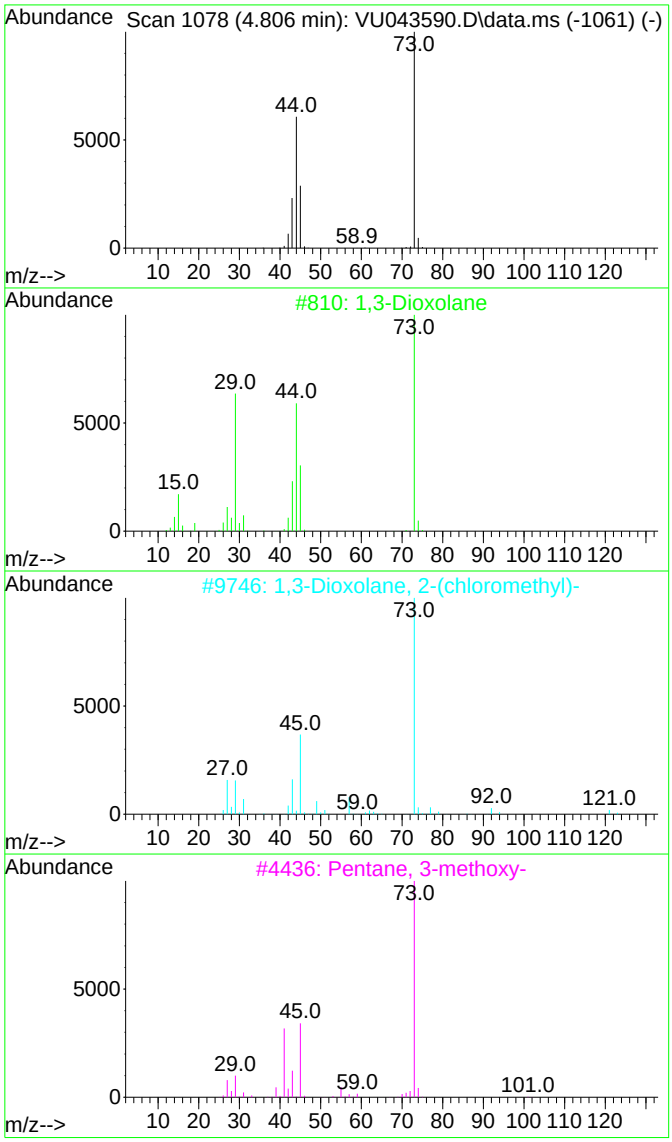
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260

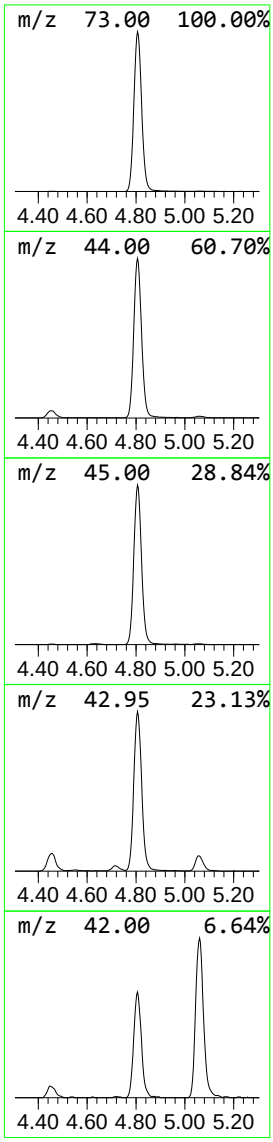
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,3-Dioxolane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.806	168.05 ug/l	1260410	Pentafluorobenzene	5.382

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane	74	C3H6O2	000646-06-0	86
2	1,3-Dioxolane, 2-(chloromethyl)-	122	C4H7ClO2	002568-30-1	9
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	7
5	Cyclobutanol	72	C4H8O	002919-23-5	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

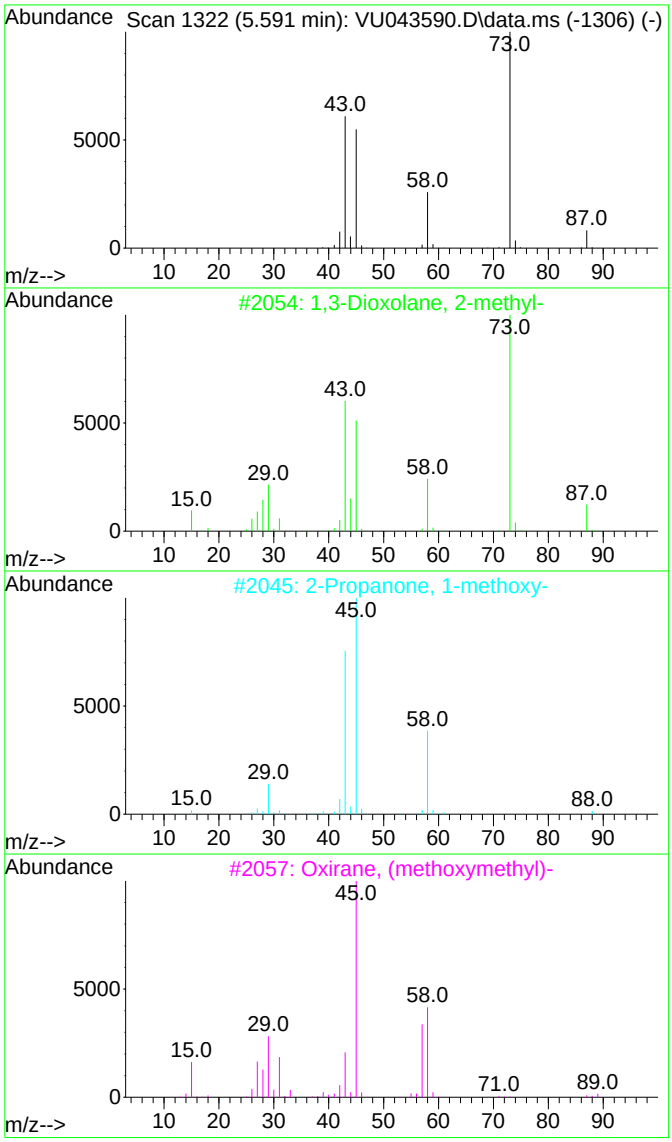
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260

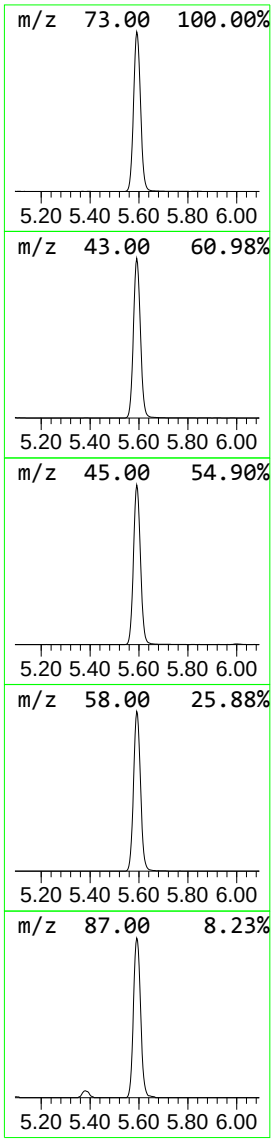
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1,3-Dioxolane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.591	217.88 ug/l	1634090	Pentafluorobenzene	5.382

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	90
2	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	53
3	Oxirane, (methoxymethyl)-	88	C4H8O2	000930-37-0	37
4	1-Butanol, 4-methoxy-	104	C5H12O2	000111-32-0	33
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PILOT-PLANT-PROCESS-BLEED

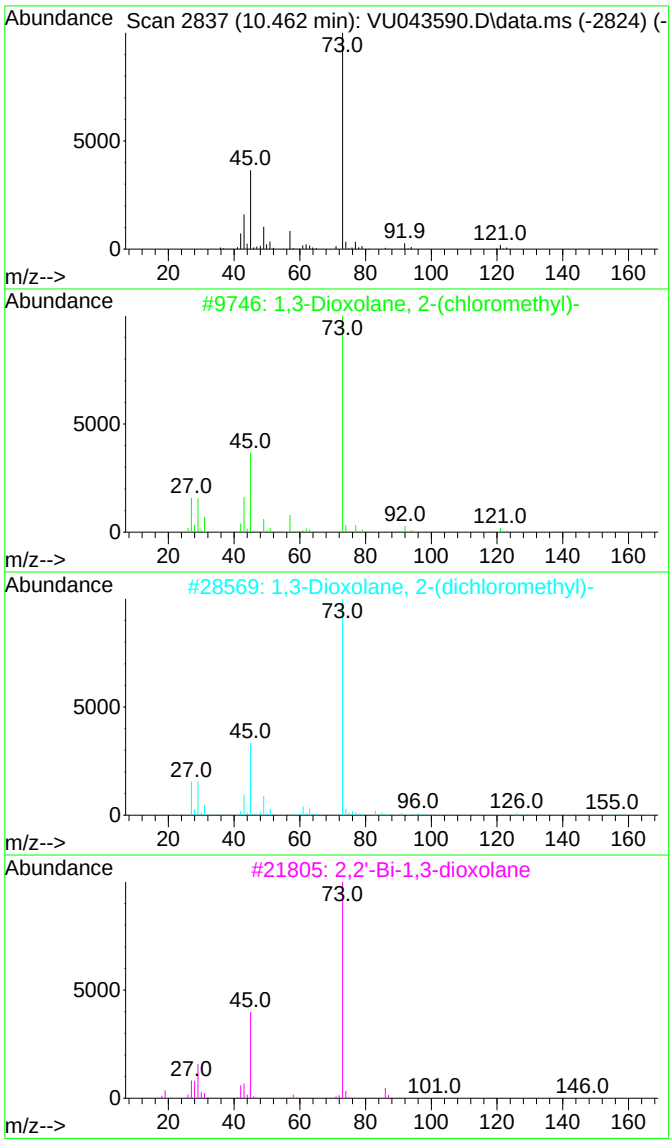
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260

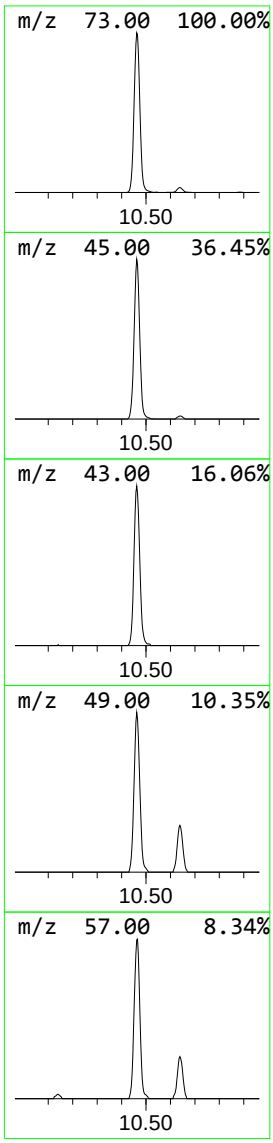
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,3-Dioxolane, 2-(chloromet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.462	30.77 ug/l	421350	Chlorobenzene-d5	9.423

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-(chloromethyl)-	122	C4H7ClO2	002568-30-1	78
2	1,3-Dioxolane, 2-(dichloromethyl)-	156	C4H6Cl2O2	002612-35-3	45
3	2,2'-Bi-1,3-dioxolane	146	C6H10O4	006705-89-1	40
4	1,3-Dioxolane, 2-ethyl-	102	C5H10O2	002568-96-9	40
5	1,3-Dioxolane, 2-(phenylmethyl)-	164	C10H12O2	000101-49-5	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
Data File : VU043590.D
Acq On : 06 May 2021 17:54
Operator : SY/MD
Sample : M2267-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : PILOT-PLANT-PROCESS-BLEED

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.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
Cyclopropane	1.475	8.7	ug/l	64894	1	5.382	375006	50.0
Ethanol	2.282	20.0	ug/l	150096	1	5.382	375006	50.0
Butanal	4.452	11.4	ug/l	85260	1	5.382	375006	50.0
1,3-Dioxolane	4.806	168.1	ug/l	1260410	1	5.382	375006	50.0
1,3-Dioxolane, ...	5.591	217.9	ug/l	1634090	1	5.382	375006	50.0
1,3-Dioxolane, ...	10.462	30.8	ug/l	421350	3	9.423	684576	50.0