LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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	1.305	32	41	61	rBV	2139257	2521421	1.93%	0.417%
2	1.402	61	71	83	rBV	14888655	17076502	13.05%	2.827%
3	1.756	170	181	203	rBV	23465745	30741763	23.49%	5.090%
4	1.903	218	227	232	rBV	1161749	1495253	1.14%	0.248%
5	1.948	232	241	262	rVV3	8124913	12723739	9.72%	2.107%
6	2.051	262	273	286	rVV	6026258	8156565	6.23%	1.350%
7	2.138	290	300	307	rVV	2965238	4221358	3.23%	0.699%
8	2.183	307	314	329	rVB	5783885	8501396	6.50%	1.408%
9	2.704	441	476	481	rBV3	1299010	4421102	3.38%	0.732%
10	2.746	482	489	496	rVV	2548490	4864993	3.72%	0.805%
11	2.794	496	504	546	rVB2	2769928	6611195	5.05%	1.095%
12	2.997	553	567	605	rVB	1732897	3764761	2.88%	0.623%
13	3.305	648	663	683	rVB	904804	1891990	1.45%	0.313%
14	3.501	711	724	732	rBV	675000	1474678	1.13%	0.244%
15	3.559	733	742	758	rVB	872529	1919442	1.47%	0.318%
16	3.659	758	773	784	rBV	569322	1361962	1.04%	0.225%
17	3.739	784	798	812	rBV4	786595	2299356	1.76%	0.381%
18	3.894	832	846	863	rVB	740422	1807131	1.38%	0.299%
19	4.099	891	910	927	rBV	2845693	7499014	5.73%	1.242%
20	4.781	1086	1122	1139	rBV	945636	2352379	1.80%	0.389%
21	4.993	1172	1188	1202	rBV4	1301826	3237811	2.47%	0.536%
22	5.083	1203	1216	1243	rVB	739683	2092258	1.60%	0.346%
23	5.392	1297	1312	1323	rBV	2500211	5237542	4.00%	0.867%
24	5.456	1323	1332	1344	rVV2	744255	2081862	1.59%	0.345%
25	5.530	1346	1355	1373	rVB5	994928	2926212	2.24%	0.484%
26	6.418	1608	1631	1644	rBV5	829589	2150552	1.64%	0.356%
27	7.064	1806	1832	1843	rBV5	539646	1432251	1.09%	0.237%
28	7.652	1998	2015	2060	rVB2	35253377	68837925	52.59%	11.397%
29	9.263	2500	2516	2538	rBV2	31674883	55109334	42.11%	9.124%
30	9.405	2538	2560	2582	rVB3	62666611	130884432	100.00%	21.670%
31	9.794	2665	2681	2709	rVB2	31601044	52264893	39.93%	8.653%
32	10.167	2778	2797	2810	rVB	1368344	2146235	1.64%	0.355%
33	10.591	2917	2929	2944	rVB	3684651	5647118	4.31%	0.935%
34	10.688	2944	2959	2977	rVV	12365776	27501734	21.01%	4.553%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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	10.778	2977	2987	3011	rVB	5592484	8380688	6.40%	1.388%
36	10.974	3033	3048	3072	rBV	6567370	10312547	7.88%	1.707%
37	11.160	3089	3106	3117	rBV	24111053	37496973	28.65%	6.208%
38	11.575	3220	3235	3246	rBV	7144438	10969239	8.38%	1.816%
39	11.771	3281	3296	3305	rBV	7918296	12867242	9.83%	2.130%
40	11.874	3317	3328	3344	rVB5	1526518	3014721	2.30%	0.499%
41	11.983	3350	3362	3374	rBV	1319236	2040759	1.56%	0.338%
42	12.147	3400	3413	3418	rBV	1033889	1602432	1.22%	0.265%
43	12.254	3433	3446	3453	rBV	1617306	2428893	1.86%	0.402%
44	12.356	3467	3478	3500	rBV2	897322	1717487	1.31%	0.284%
45	12.652	3551	3570	3578	rVV	853211	1359263	1.04%	0.225%
46	12.704	3578	3586	3601	rVB	1235960	1852130	1.42%	0.307%
47	12.964	3658	3667	3681	rVB	1089062	1624733	1.24%	0.269%
48	13.125	3696	3717	3728	rBV2	2107565	3507617	2.68%	0.581%
49	13.745	3895	3910	3926	rBV	8623282	13363520	10.21%	2.213%
50	14.877	4251	4262	4280	rVB	1749264	2721883	2.08%	0.451%
51	15.064	4308	4320	4334	rBV	912582	1462106	1.12%	0.242%

Sum of corrected areas: 603978392

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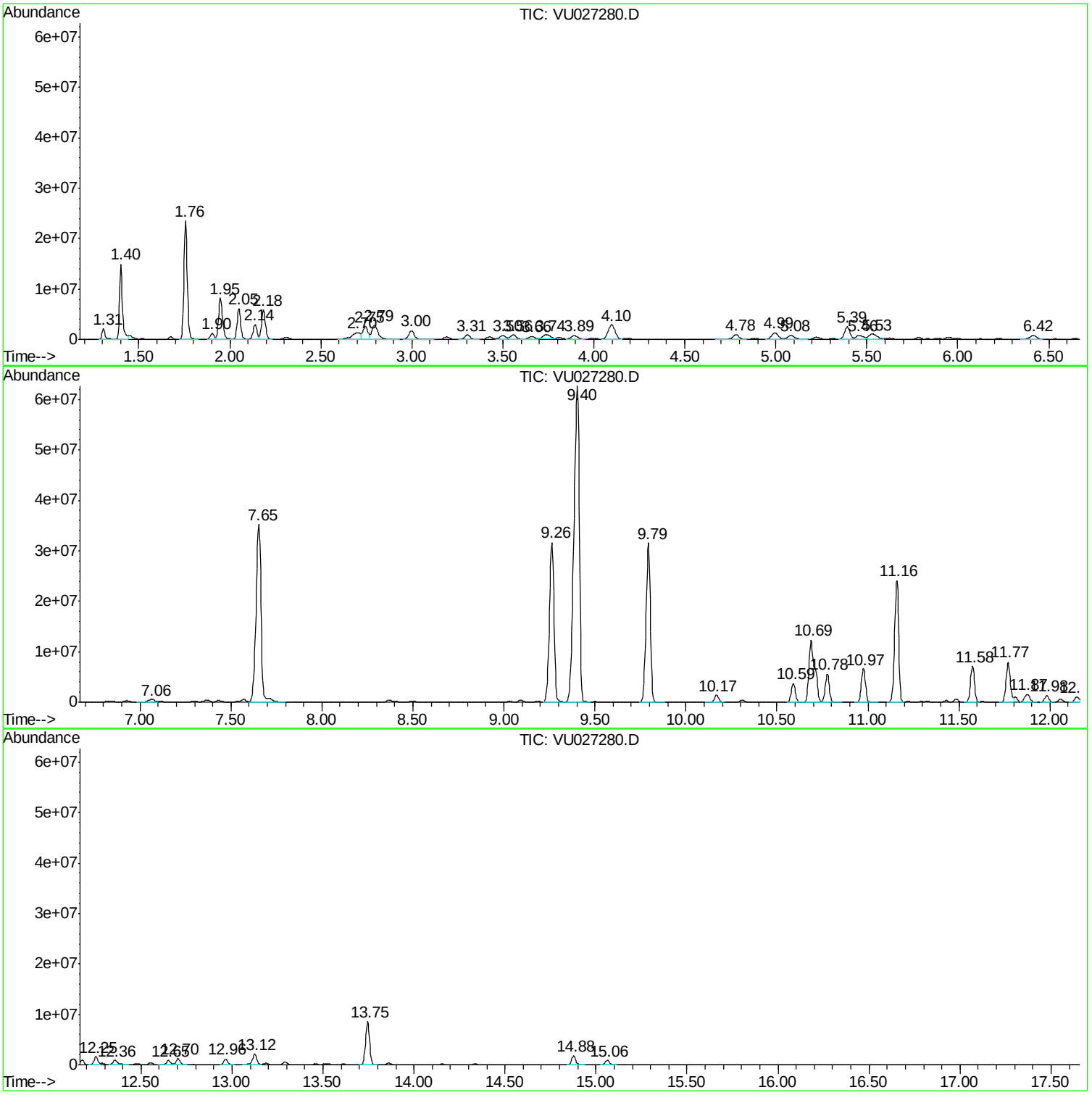
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

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 : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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

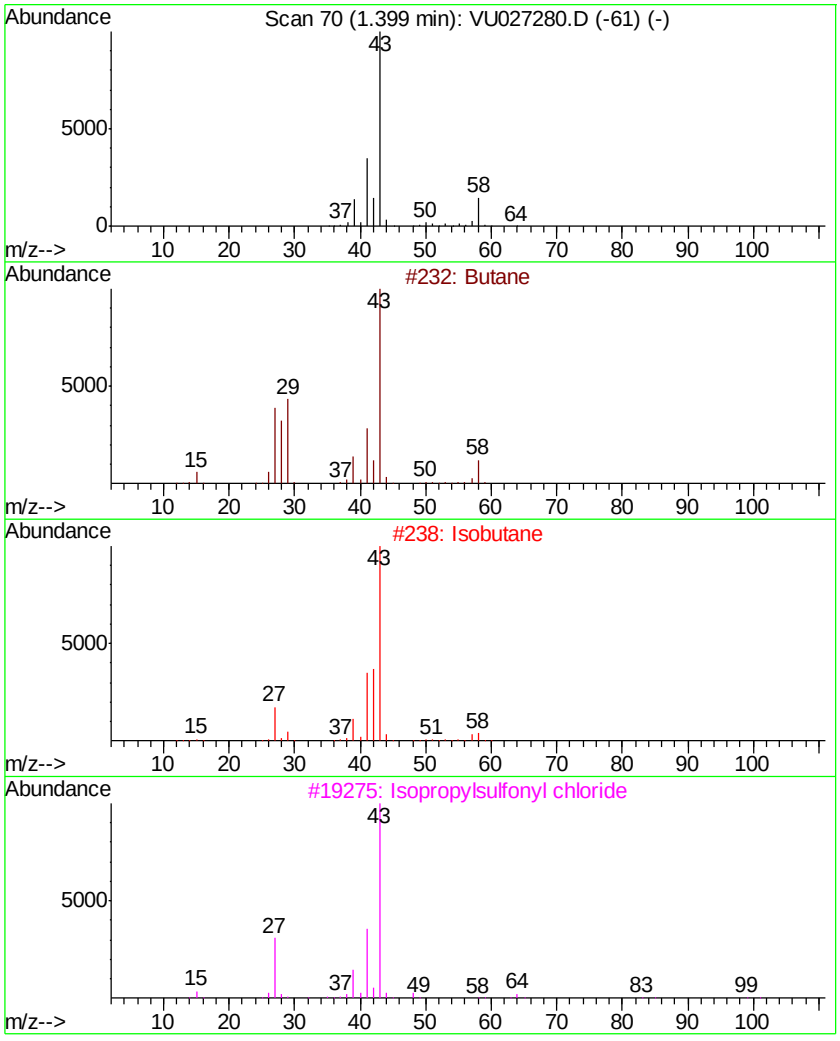
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

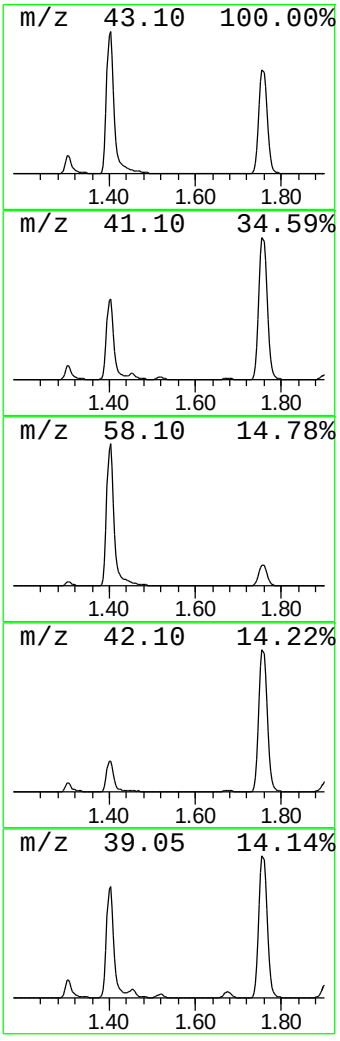
****

Peak Number 1 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	263.70 ug/l	17076500	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Isobutane	58	C4H10	000075-28-5	9
3	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
5	Diazene, dimethyl-	58	C2H6N2	000503-28-6	5





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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

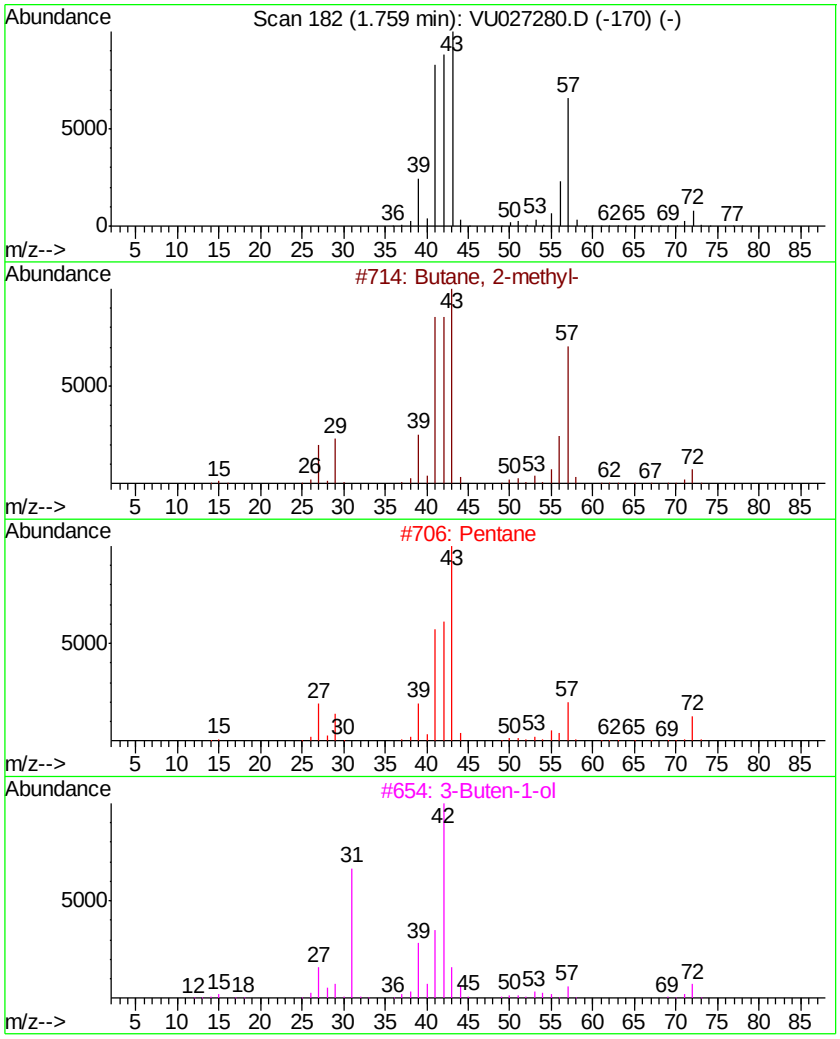
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

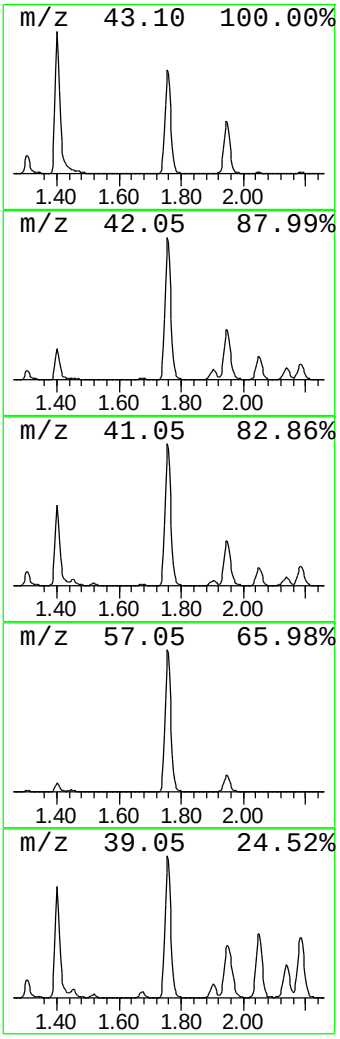
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	474.73 ug/l	30741800	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Pentane	72	C5H12	000109-66-0	39
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	Isobutane	58	C4H10	000075-28-5	9
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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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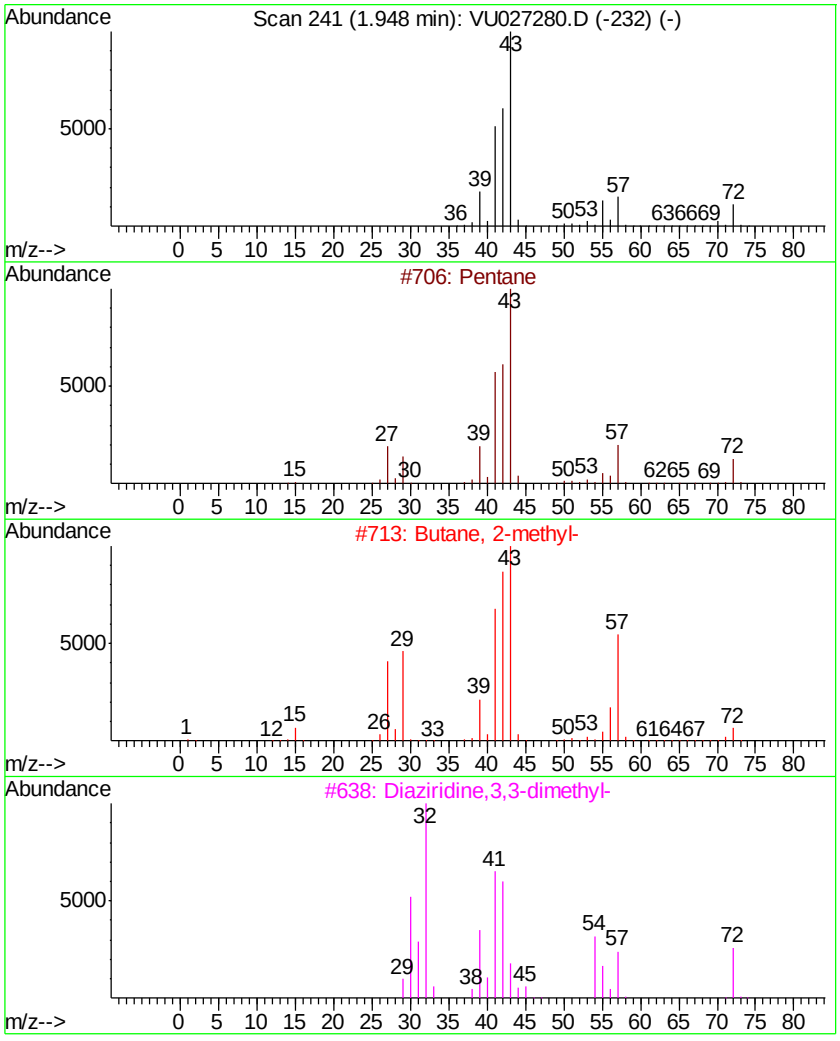
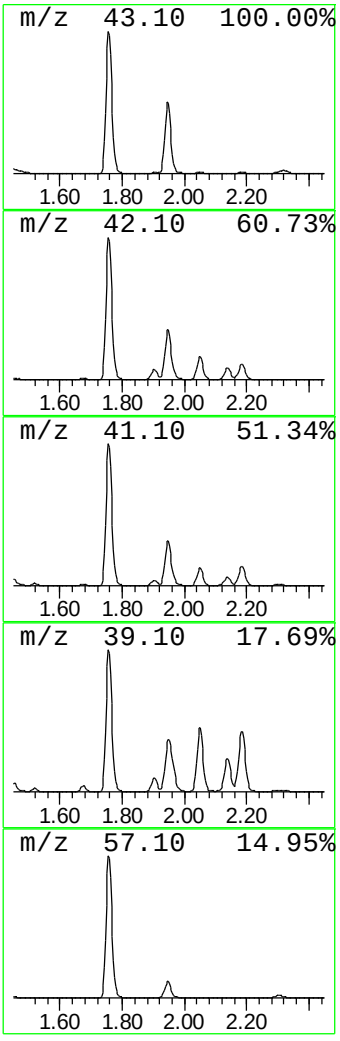
Peak Number 3 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	196.49 ug/l	12723700	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	38
3	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	38
4	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	12
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	9





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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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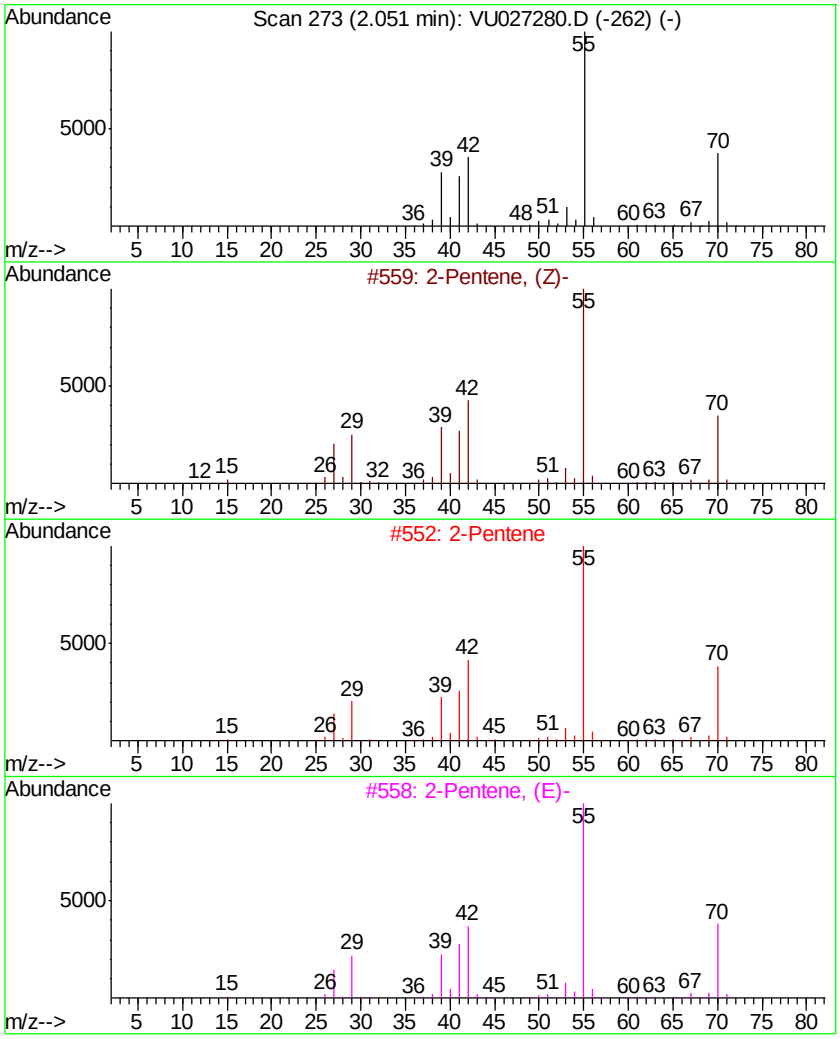
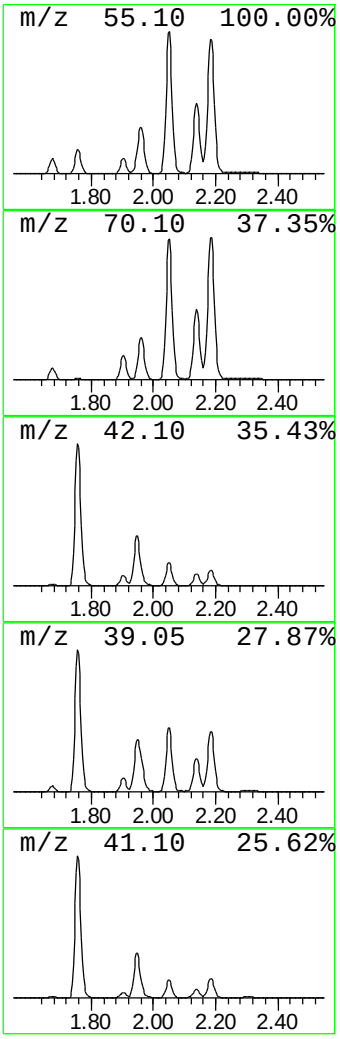
Peak Number 4 2-Pentene, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	125.96 ug/l	8156570	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
2	2-Pentene	70	C5H10	000109-68-2	91
3	2-Pentene, (E)-	70	C5H10	000646-04-8	91
4	2-Methyl-1-butene	70	C5H10	000563-46-2	91
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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

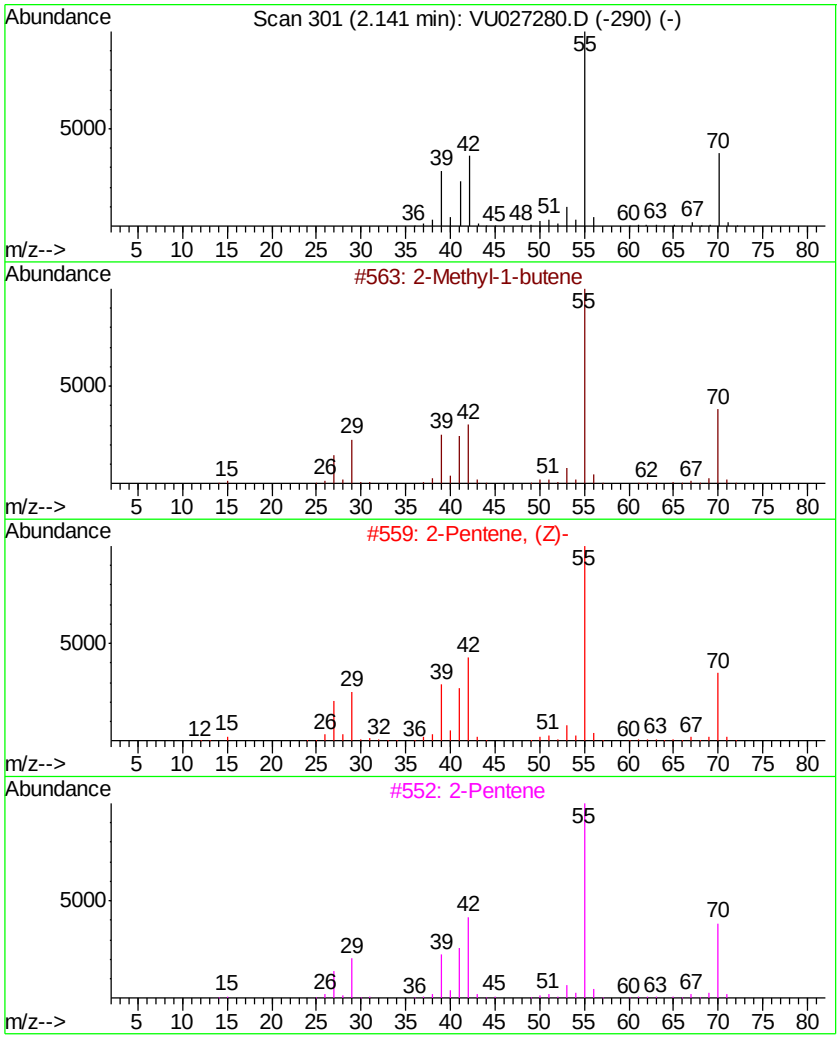
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

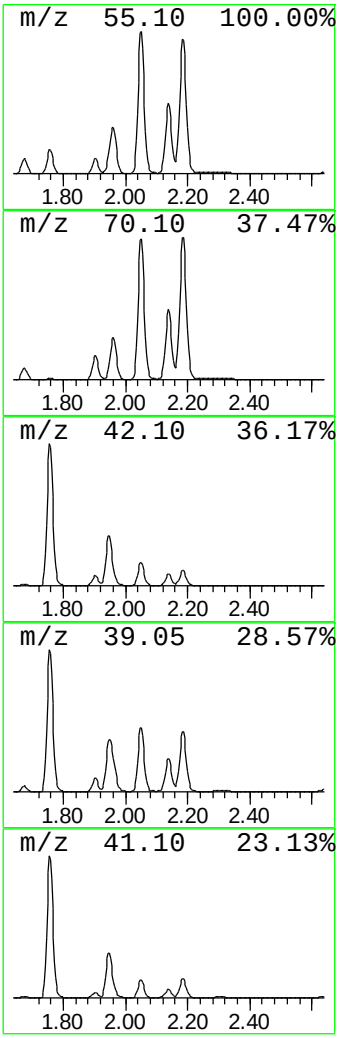
****

Peak Number 5 2-Methyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	65.19 ug/l	4221360	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
3	2-Pentene	70	C5H10	000109-68-2	91
4	2-Pentene, (E)-	70	C5H10	000646-04-8	91
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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

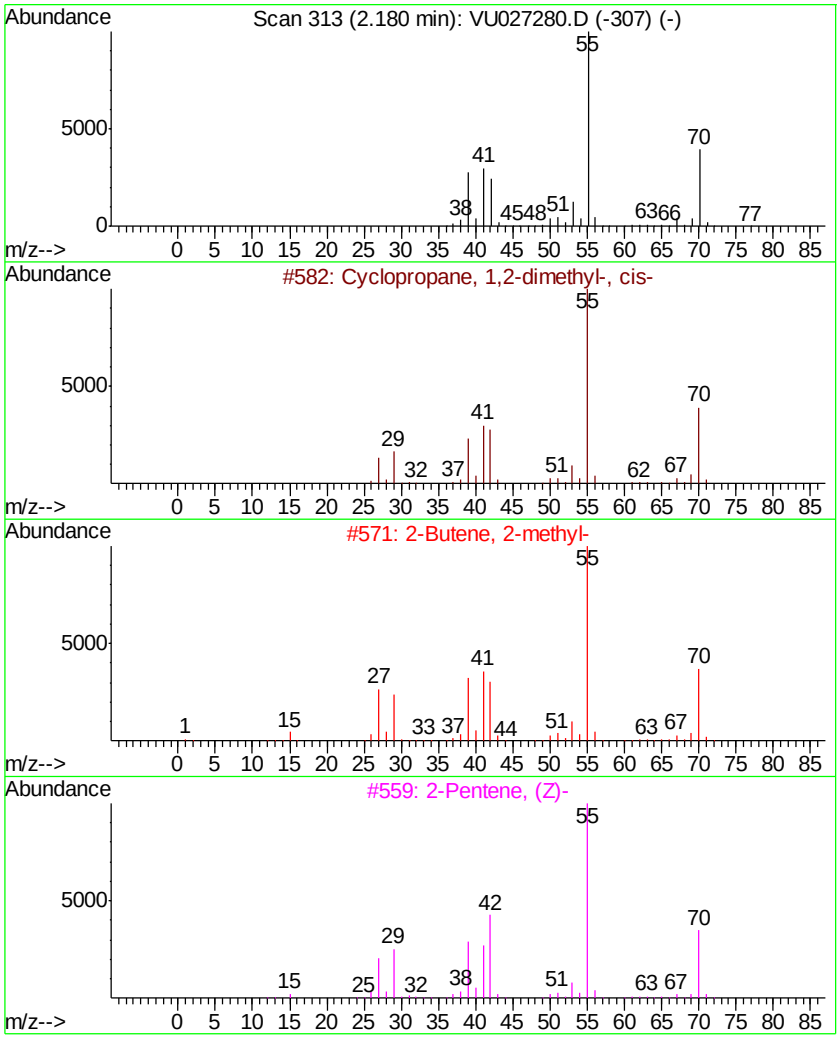
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

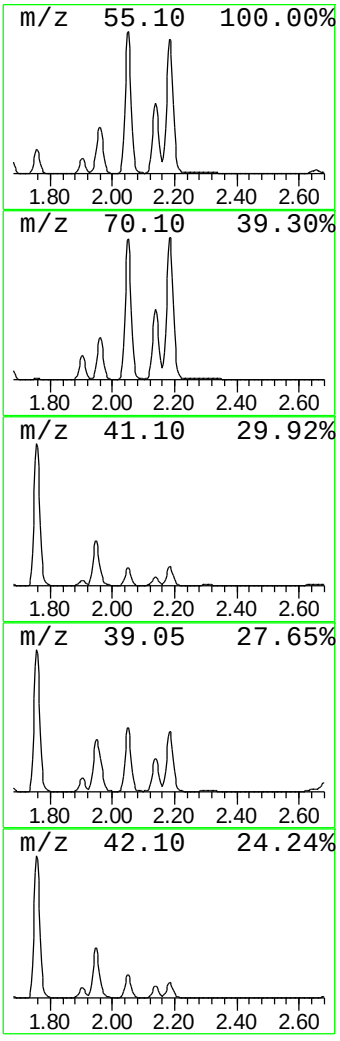
****

Peak Number 6 Cyclopropane, 1,2-dimethyl-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	131.28 ug/l	8501400	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	86
4	2-Pentene	70	C5H10	000109-68-2	86
5	2-Methyl-1-butene	70	C5H10	000563-46-2	86





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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

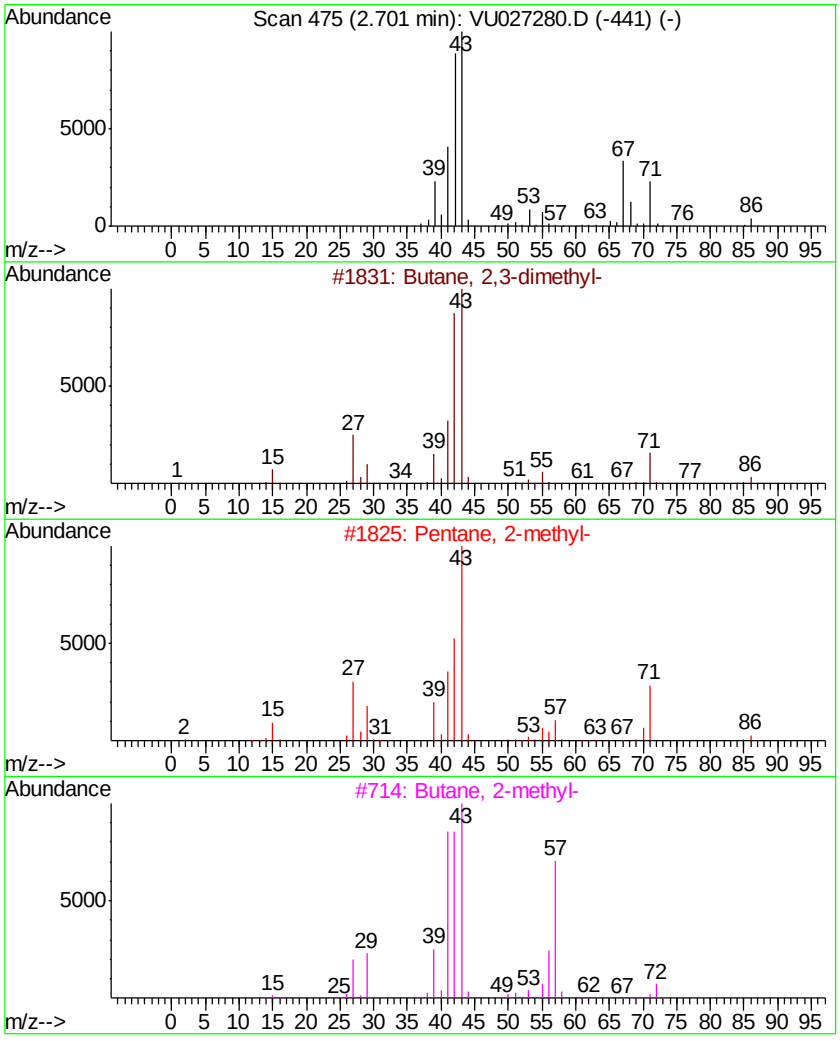
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

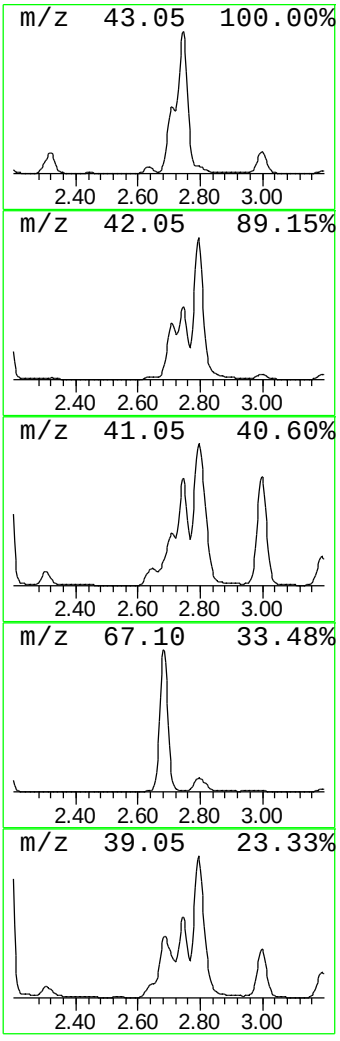
****

Peak Number 7 Butane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.70	68.27 ug/l	4421100	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	43
3	Butane, 2-methyl-	72	C5H12	000078-78-4	33
4	Tetrahydrofuran	72	C4H8O	000109-99-9	28
5	Oxalic acid, pentyl propyl ester	202	C10H18O4	1000309-25-7	9





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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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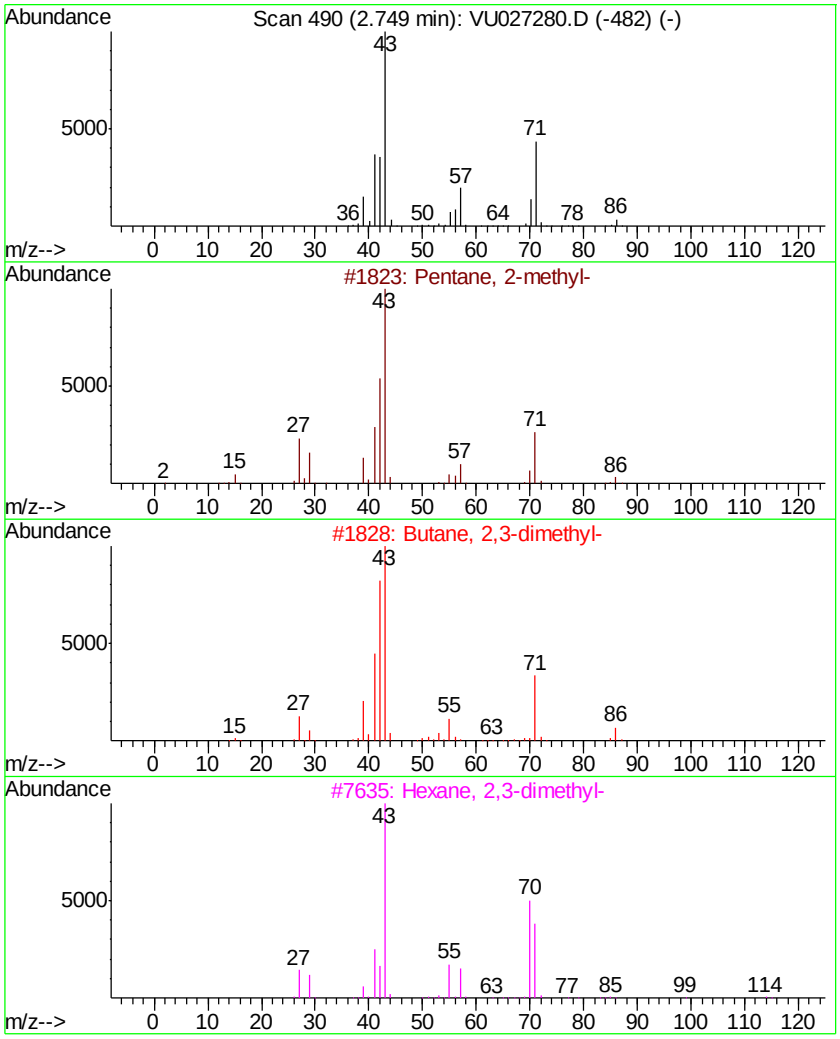
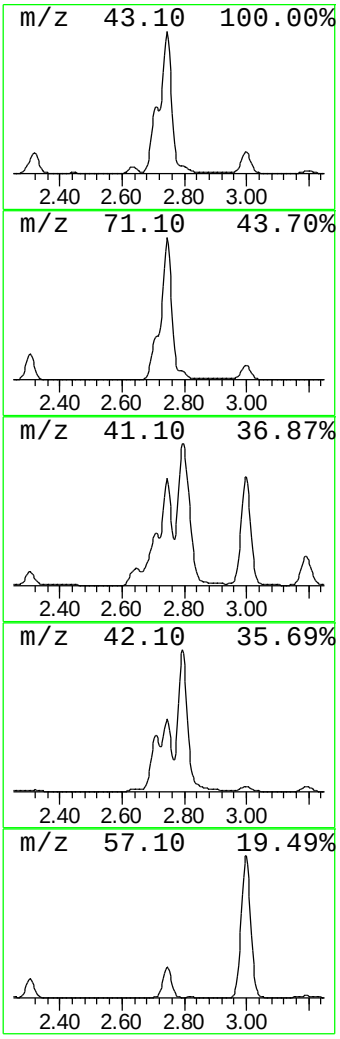
Peak Number 8 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	75.13 ug/l	4864990	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	43
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	42
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	28
5	Butane, 2-methyl-	72	C5H12	000078-78-4	12





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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

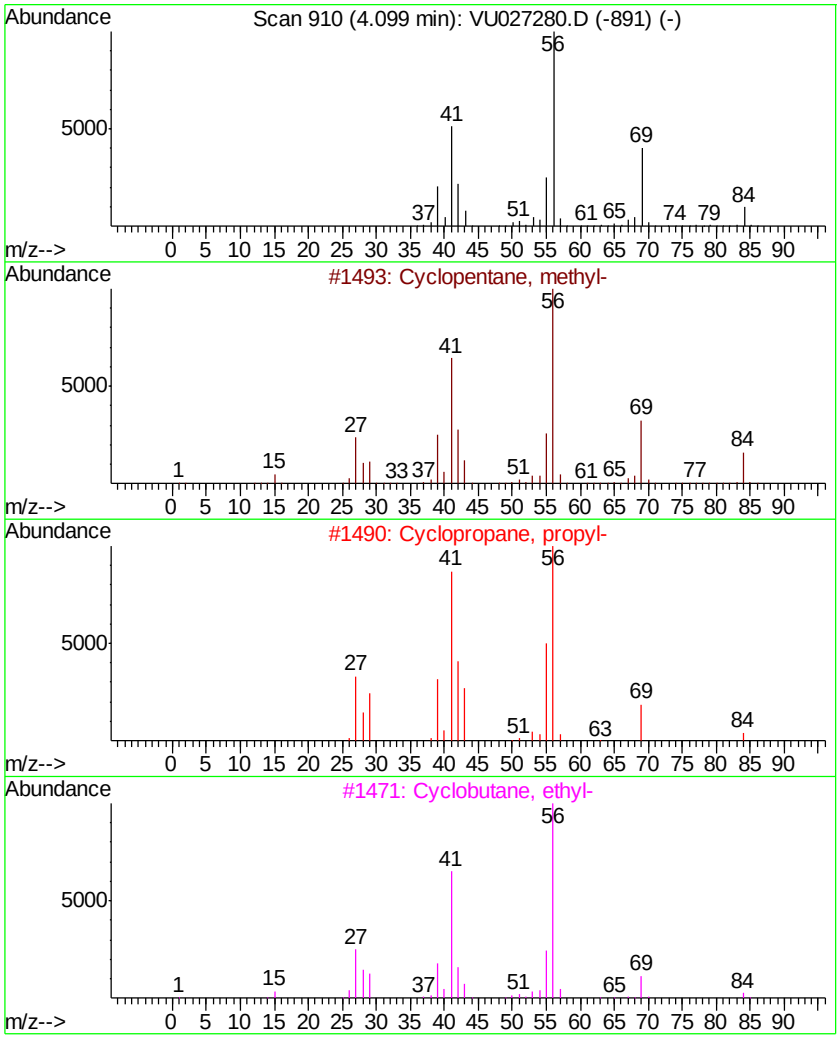
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

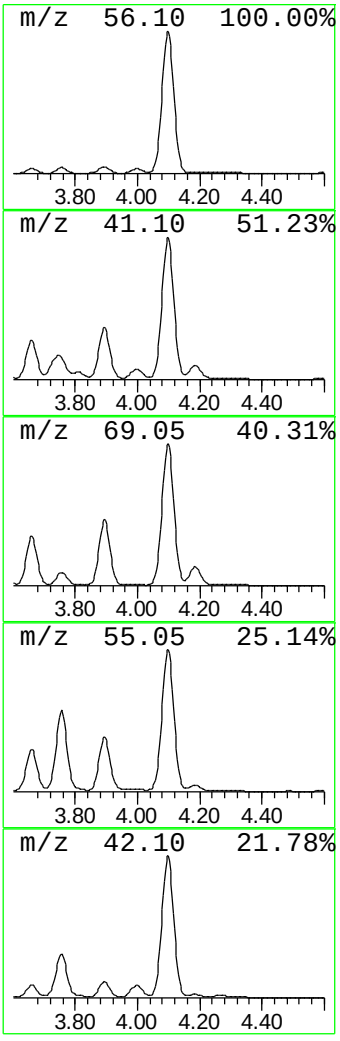
****

Peak Number 9 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	115.80 ug/l	7499010	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclohexane	84	C6H12	000110-82-7	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092818\
Data File : VU027280.D
Acq On : 28 Sep 2018 18:35
Operator : MD/SY
Sample : J5084-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : B-7(TW-1)

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
Butane	1.40	263.7	ug/l	17076500	1	4.99	3237810	50.0
Butane, 2-methyl-	1.76	474.7	ug/l	30741800	1	4.99	3237810	50.0
Pentane	1.95	196.5	ug/l	12723700	1	4.99	3237810	50.0
2-Pentene, (Z)-	2.05	126.0	ug/l	8156570	1	4.99	3237810	50.0
2-Methyl-1-butene	2.14	65.2	ug/l	4221360	1	4.99	3237810	50.0
Cyclopropane, 1,2...	2.18	131.3	ug/l	8501400	1	4.99	3237810	50.0
Butane, 2,3-dimet...	2.70	68.3	ug/l	4421100	1	4.99	3237810	50.0
Pentane, 2-methyl-	2.75	75.1	ug/l	4864990	1	4.99	3237810	50.0
Cyclopentane, met...	4.10	115.8	ug/l	7499010	1	4.99	3237810	50.0