LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

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\82U010319W.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	1.396	58	69	80	rVV	11780697	13297788	3.31%	1.197%
2	1.756	170	181	217	rVV	17247882	27181687	6.77%	2.448%
3	1.945	232	240	261	rVV3	5338519	9596823	2.39%	0.864%
4	2.048	261	272	287	rVV	8006553	11411034	2.84%	1.028%
5	2.135	289	299	305	rVV	4724125	7002860	1.74%	0.631%
6	2.180	305	313	340	rVV	17074753	25250607	6.29%	2.274%
7	2.682	440	469	481	rBV	5847811	13954263	3.47%	1.257%
8	2.794	495	504	544	rVB2	2409352	6135383	1.53%	0.552%
9	3.733	783	796	810	rVV4	1411264	4256254	1.06%	0.383%
10	4.093	890	908	925	rBV	2479138	6697977	1.67%	0.603%
11	4.778	1084	1121	1140	rBV	1877505	4586598	1.14%	0.413%
12	5.441	1293	1327	1345	rBV4	54986287	212760727	52.97%	19.159%
13	7.727	1970	2038	2052	rBV3	77671355	401636946	100.00%	36.168%
14	9.260	2500	2515	2538	rBV	22569686	38055296	9.48%	3.427%
15	9.408	2538	2561	2582	rVB3	64567275	148093003	36.87%	13.336%
16	9.797	2666	2682	2707	rVB2	42726705	72811257	18.13%	6.557%
17	10.688	2944	2959	2976	rVV	13159719	27906344	6.95%	2.513%
18	10.775	2976	2986	3008	rVB	5922226	8656014	2.16%	0.779%
19	10.974	3033	3048	3071	rBV	5159390	7889159	1.96%	0.710%
20	11.157	3088	3105	3116	rBV	24837185	36709036	9.14%	3.306%
21	11.572	3221	3234	3254	rBV	6077747	9211401	2.29%	0.829%
22	11.768	3279	3295	3303	rBV	5554892	8897240	2.22%	0.801%
23	13.742	3895	3909	3927	rBV	5515607	8487620	2.11%	0.764%

Sum of corrected areas: 1110485317

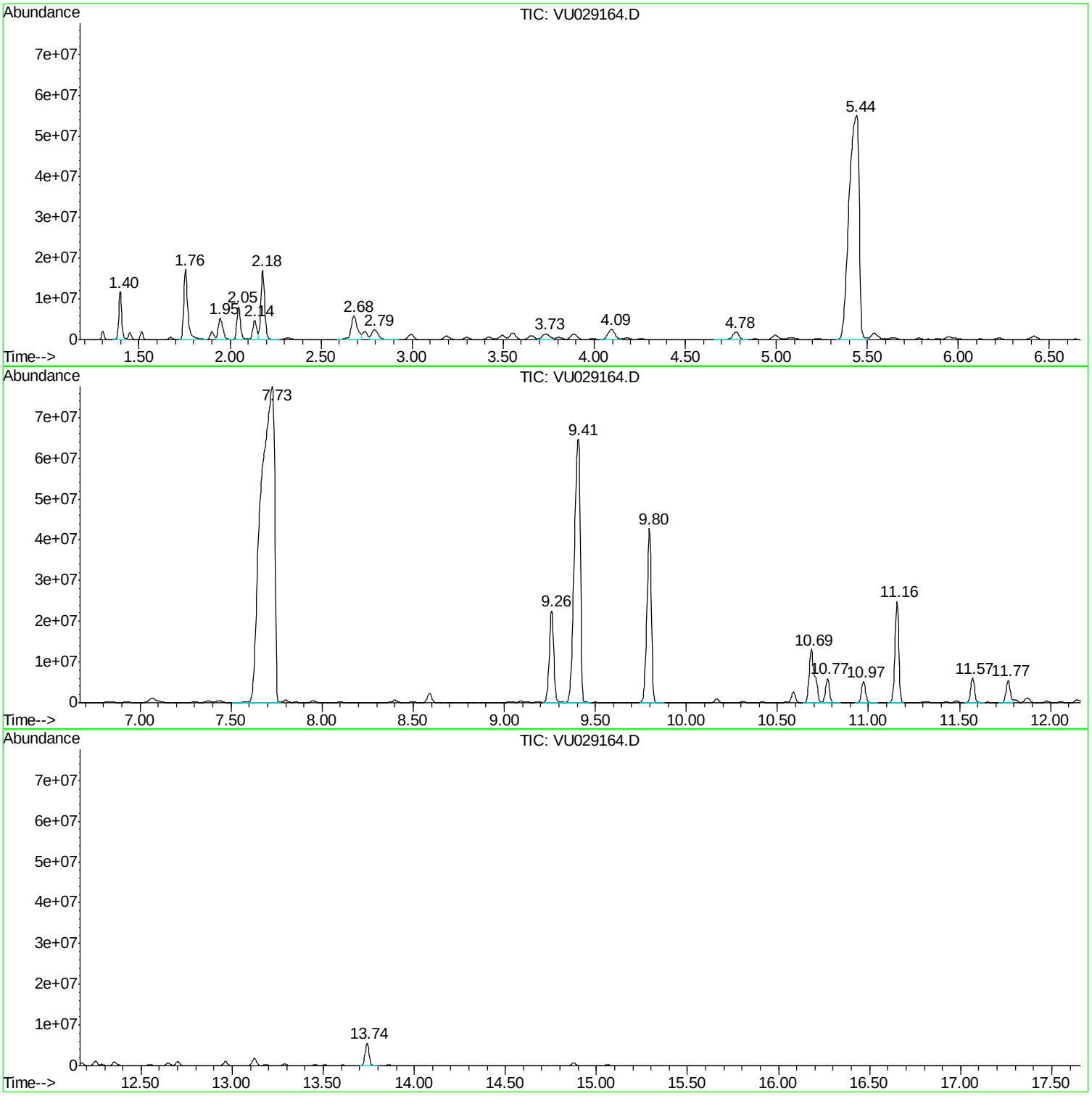
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.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\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

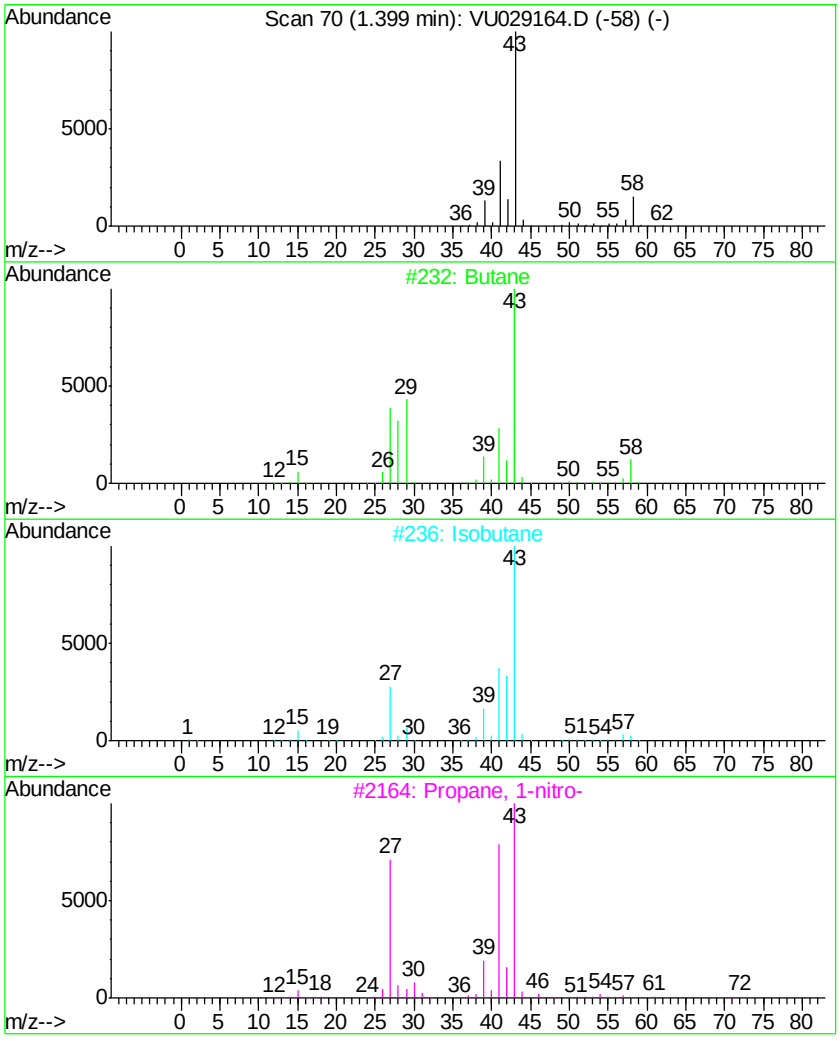
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

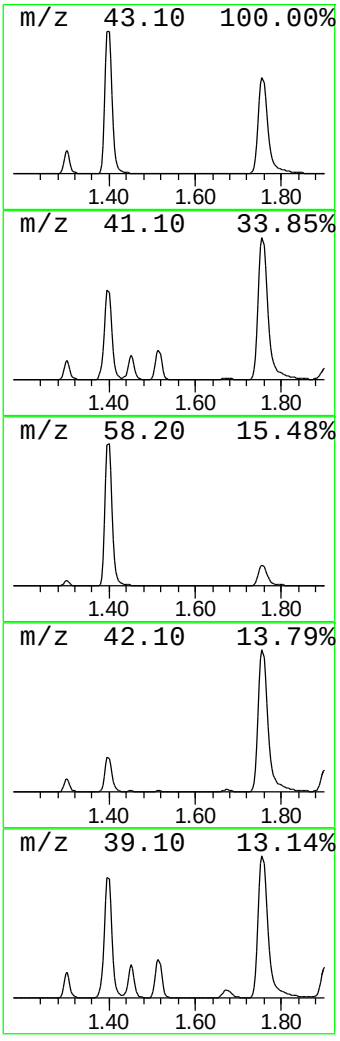
****

Peak Number 1 Butane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	144.96 ug/l	13297800	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	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
4	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
5	Hydrogen azide	43	HN3	007782-79-8	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

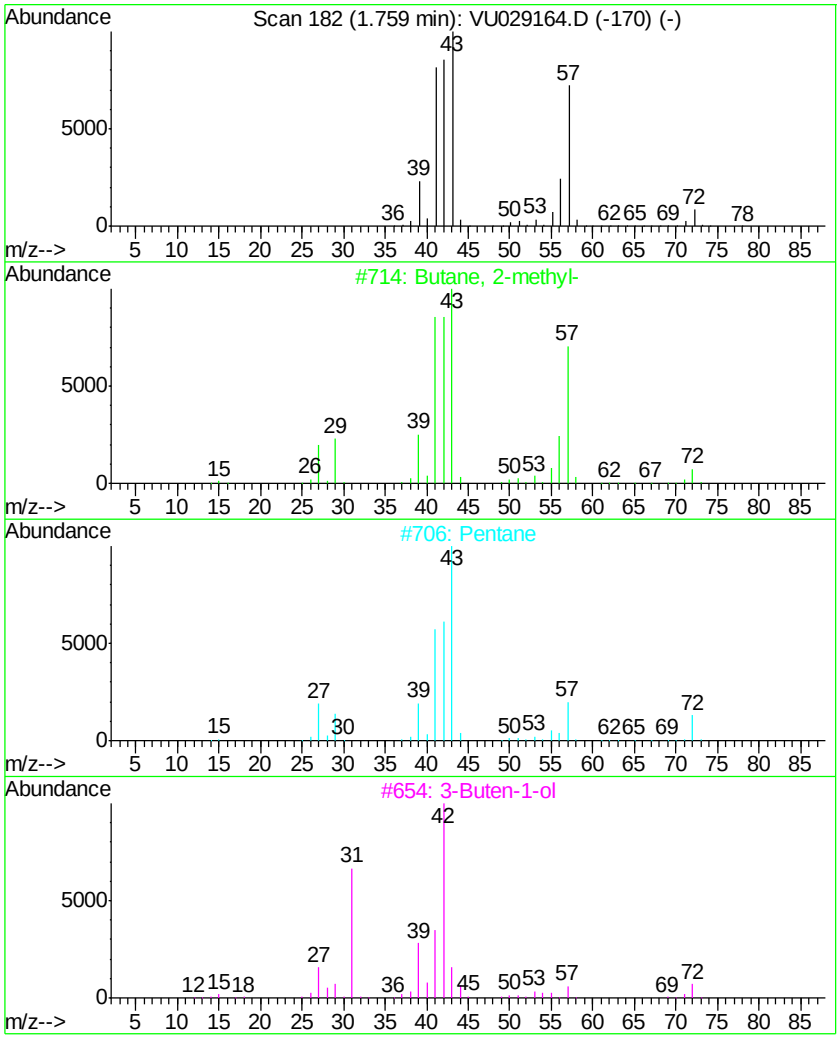
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

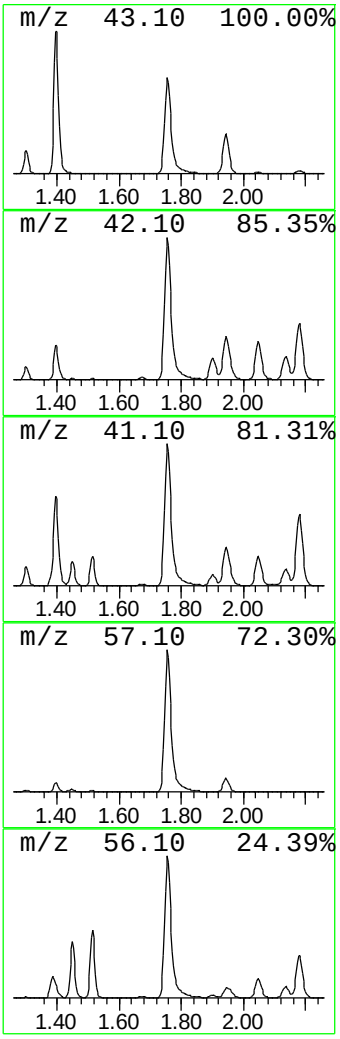
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	296.32 ug/l	27181700	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	28
4	1-Butene	56	C4H8	000106-98-9	10
5	Isobutane	58	C4H10	000075-28-5	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

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

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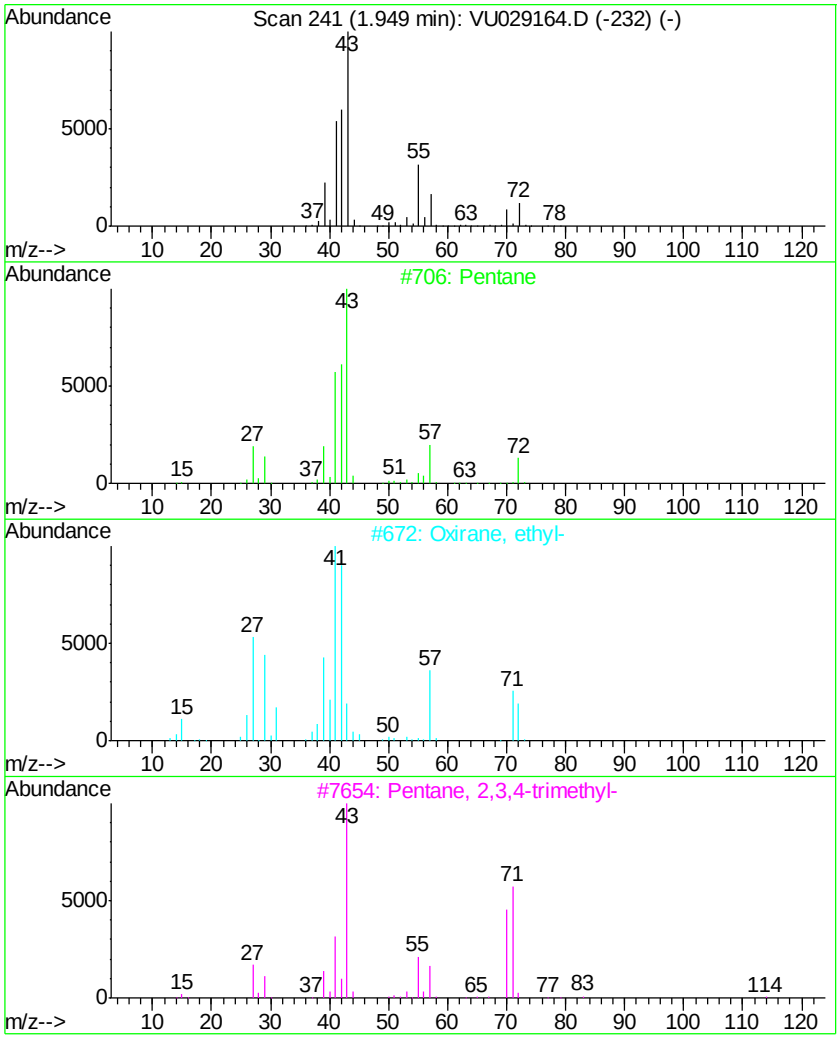
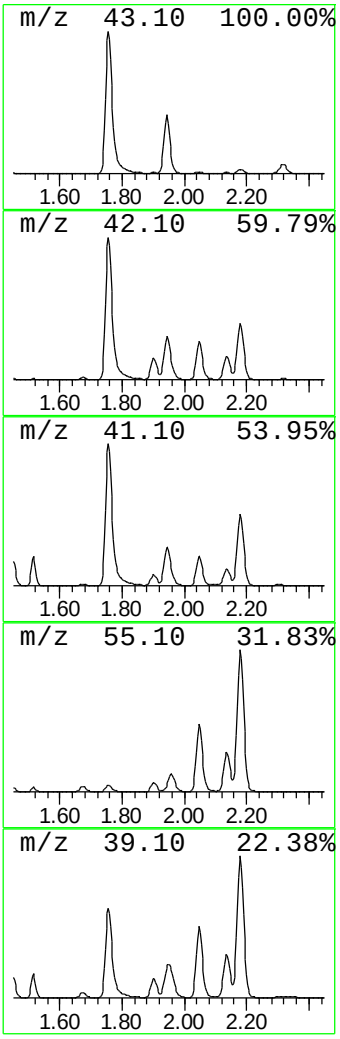
Peak Number 3 Pentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	104.62 ug/l	9596820	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	32
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	32
5	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	12





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

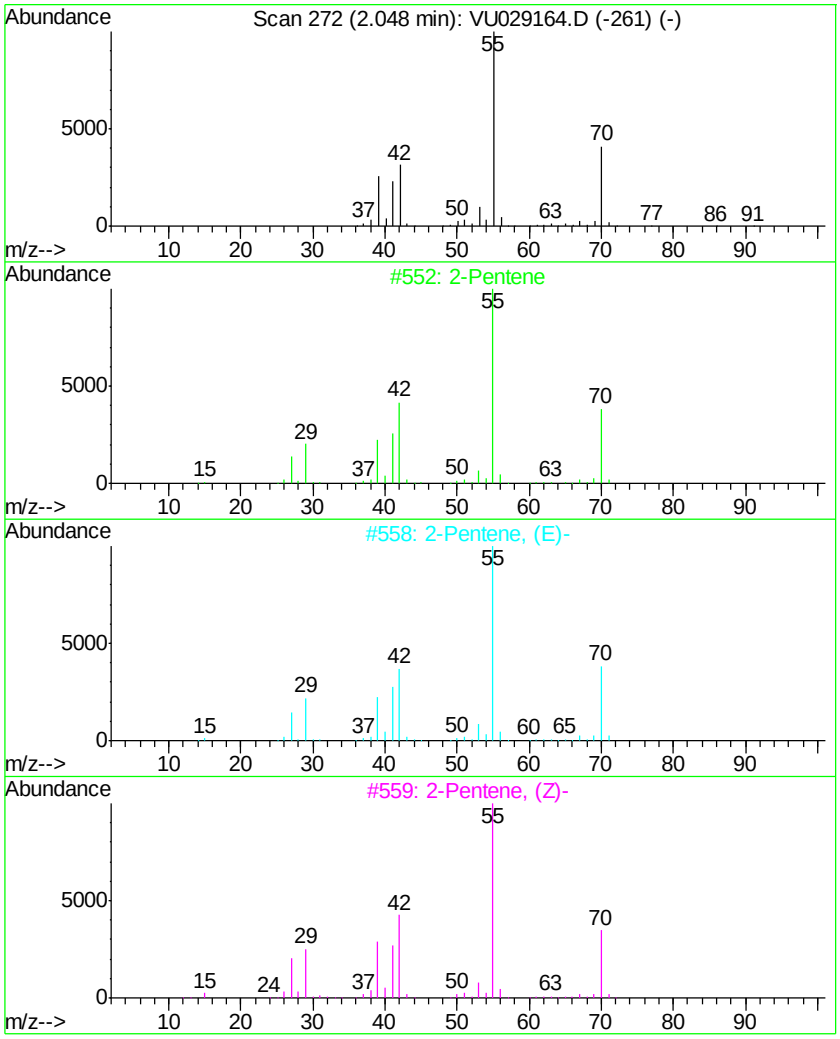
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

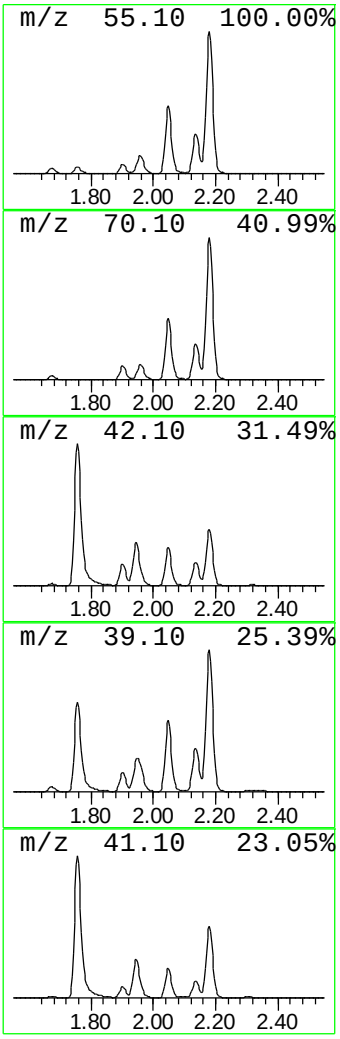
****

Peak Number 4 2-Pentene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	124.40 ug/l	11411000	Pentafluorobenzene	4.99

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

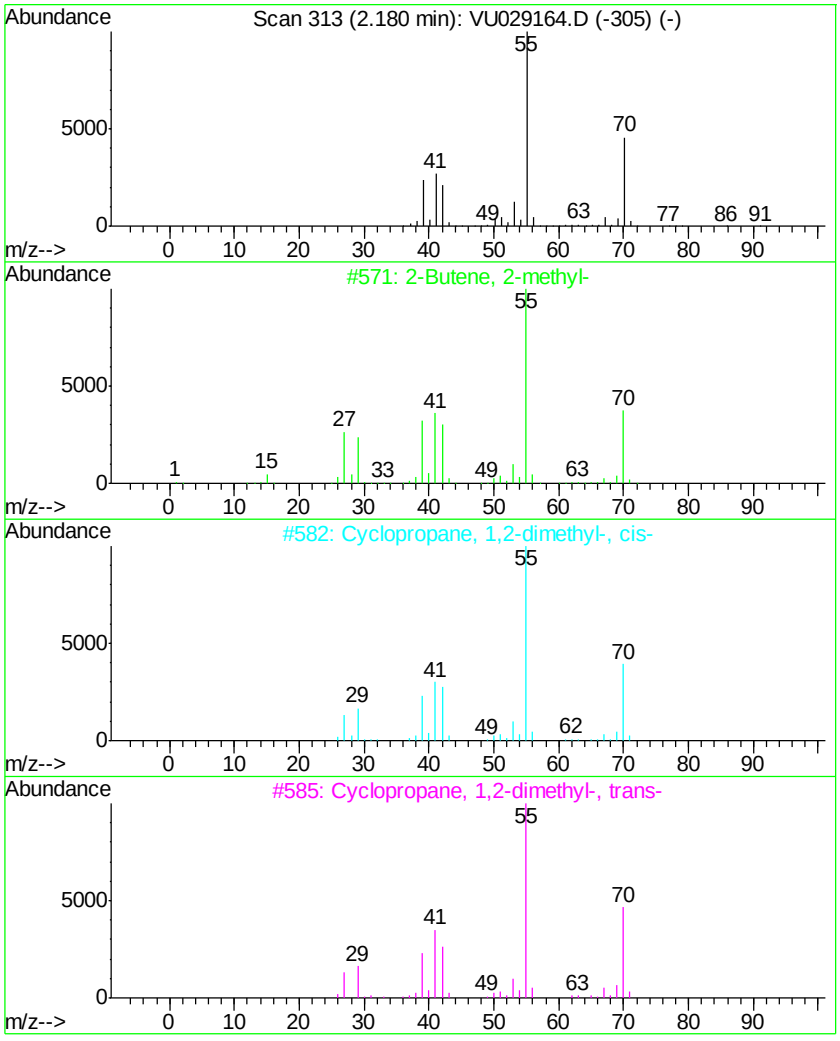
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

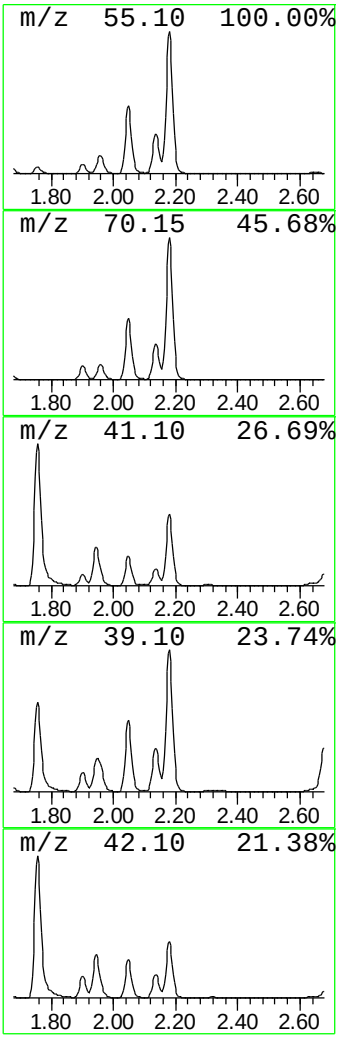
****

Peak Number 5 2-Butene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	275.27 ug/l	25250600	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83
4	2-Pentene, (E)-	70	C5H10	000646-04-8	80
5	2-Methyl-1-butene	70	C5H10	000563-46-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

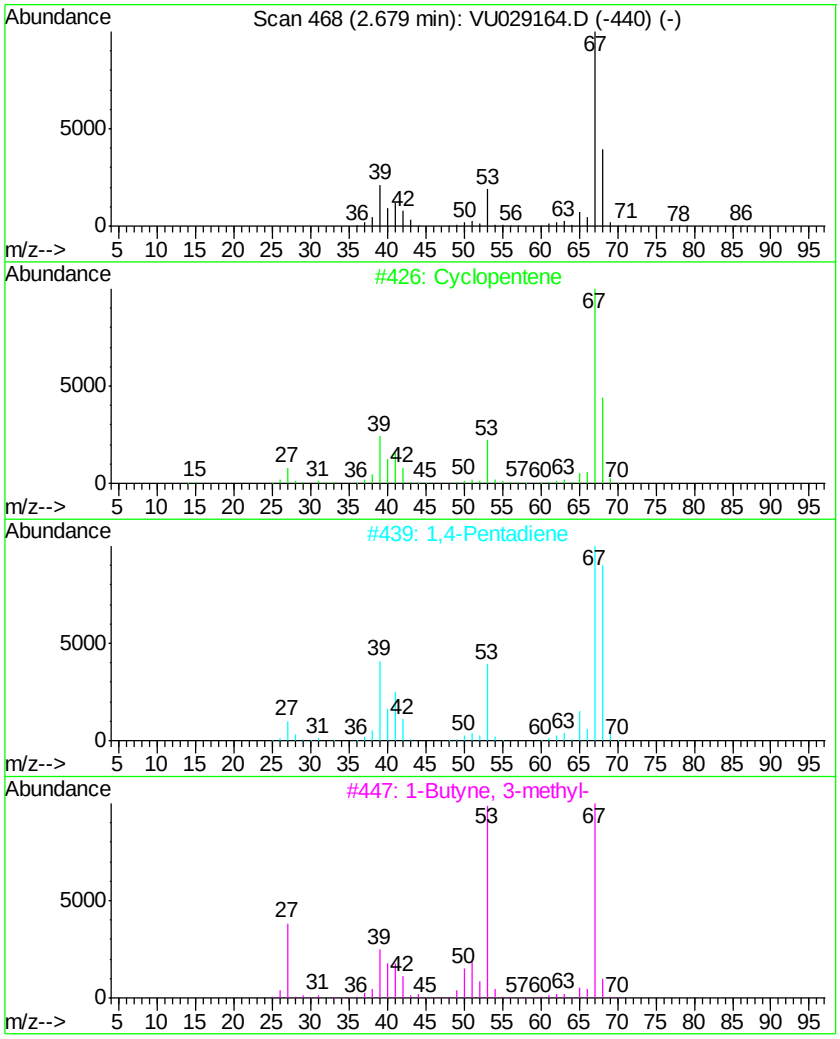
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

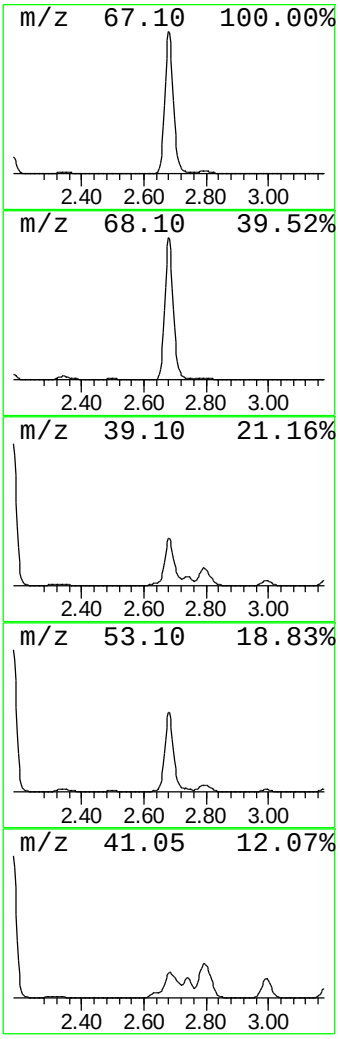
****

Peak Number 6 Cyclopentene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.68	152.12 ug/l	13954300	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	1,4-Pentadiene	68	C5H8	000591-93-5	62
3	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	59
4	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	58
5	Cyclopropane, ethylidene-	68	C5H8	018631-83-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

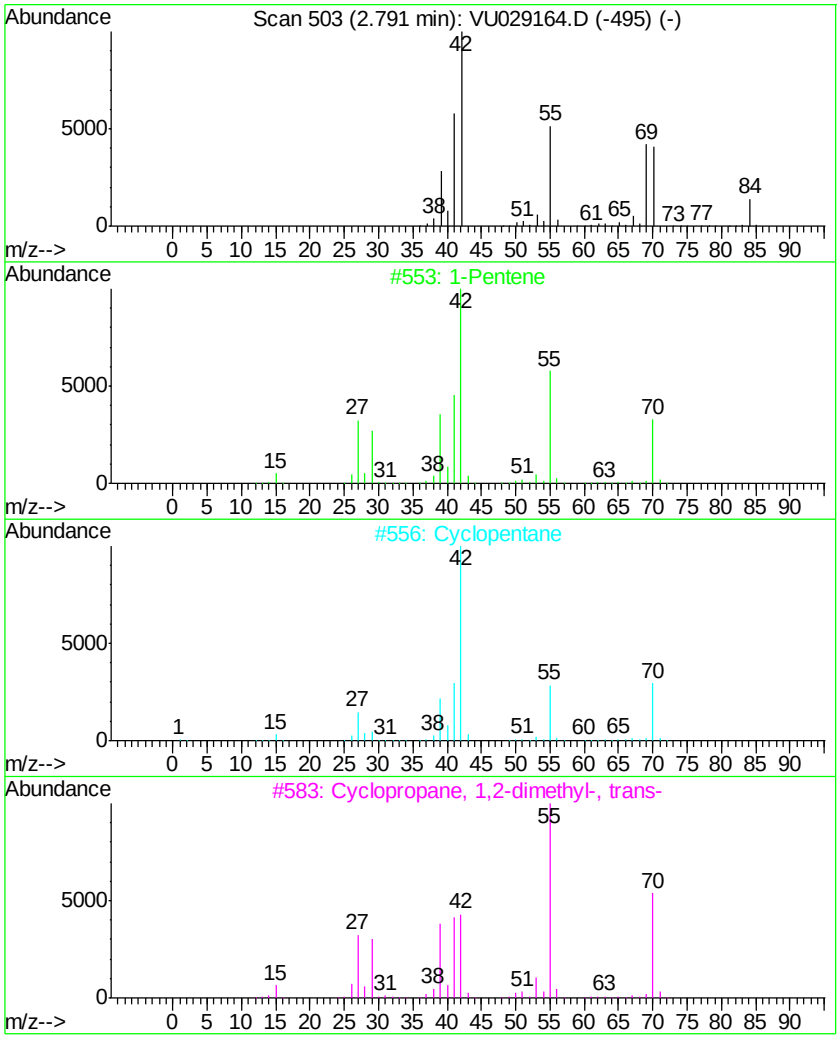
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

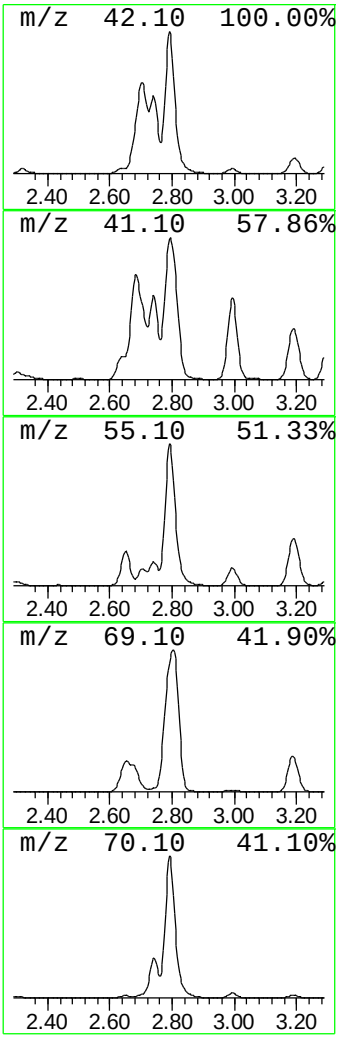
****

Peak Number 7 1-Pentene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	66.88 ug/l	6135380	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	80
2	Cyclopentane	70	C5H10	000287-92-3	64
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	38
4	1-Hexene	84	C6H12	000592-41-6	35
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	35





Library Search Compound Report

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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

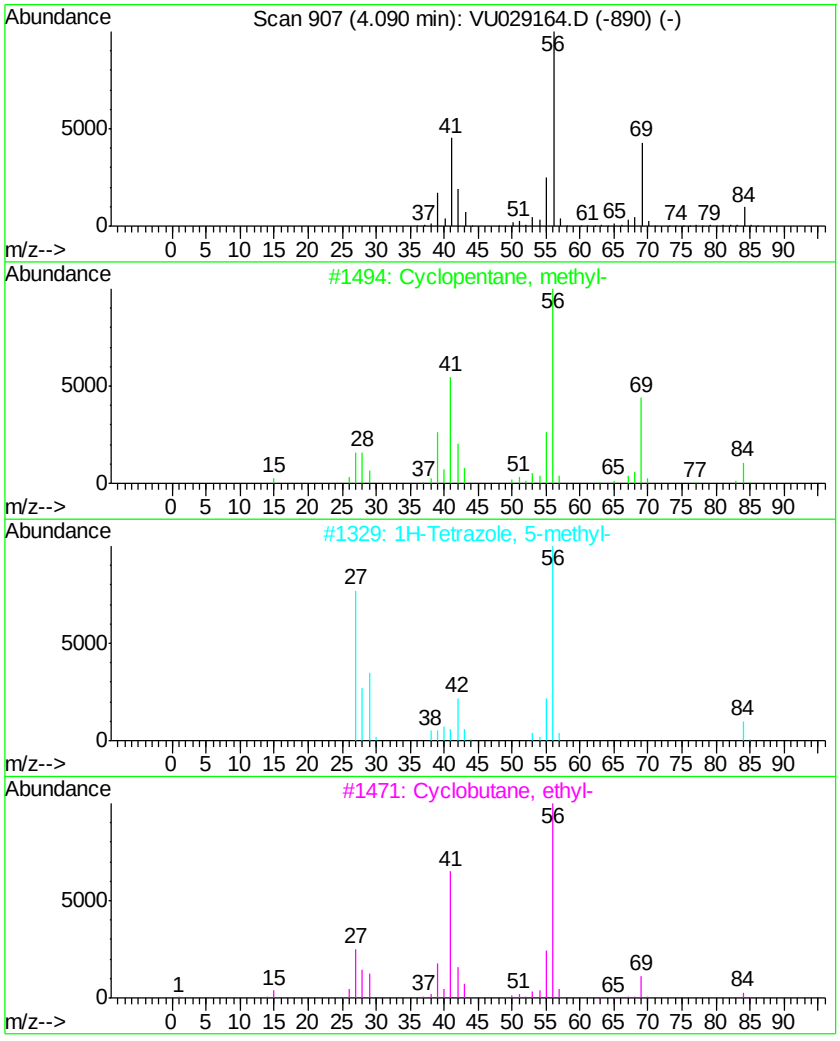
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

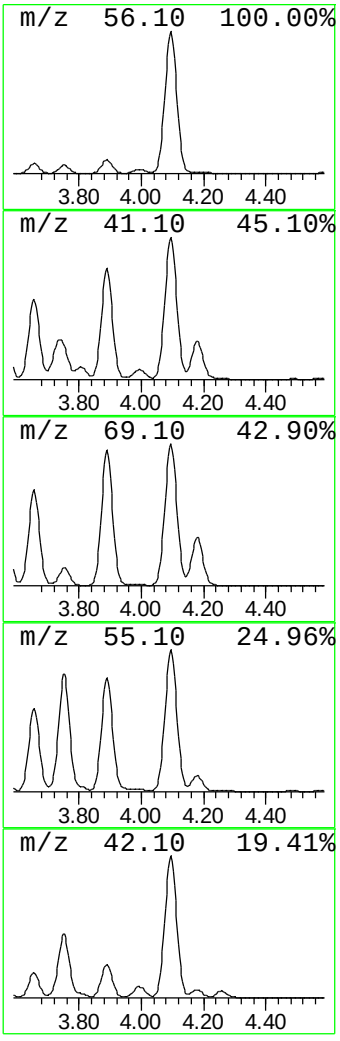
****

Peak Number 8 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	73.02 ug/l	6697980	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Cyclohexane	84	C6H12	000110-82-7	56
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

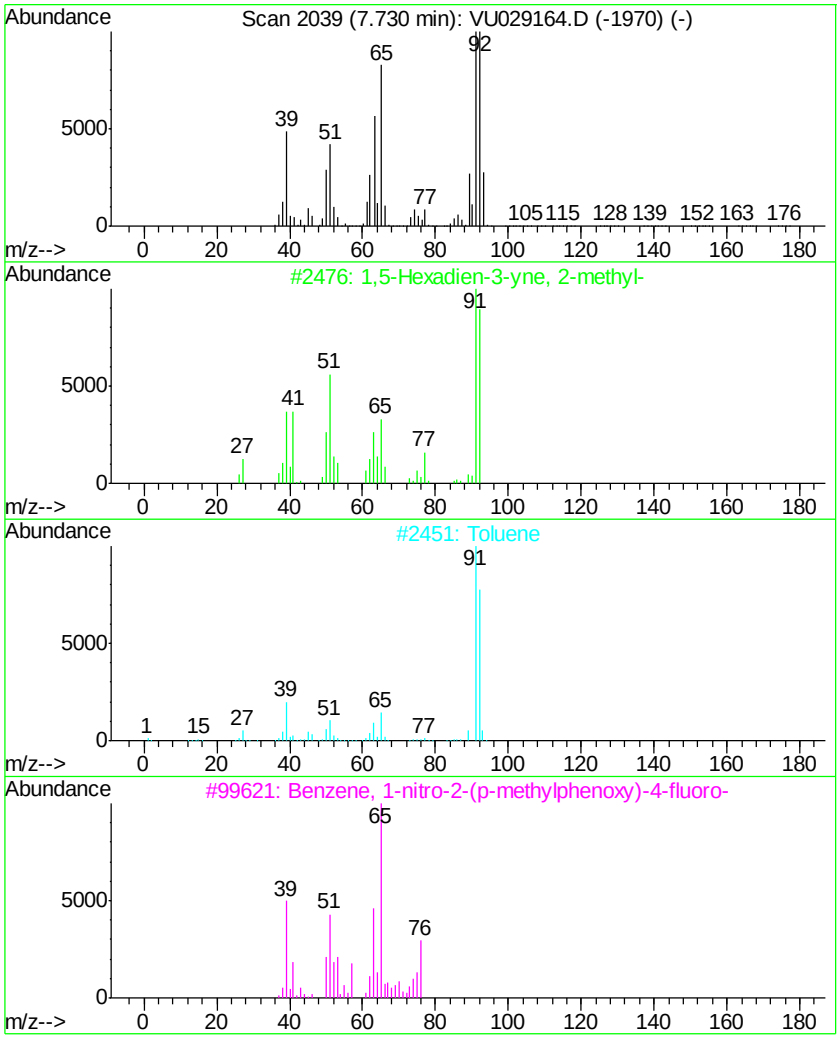
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

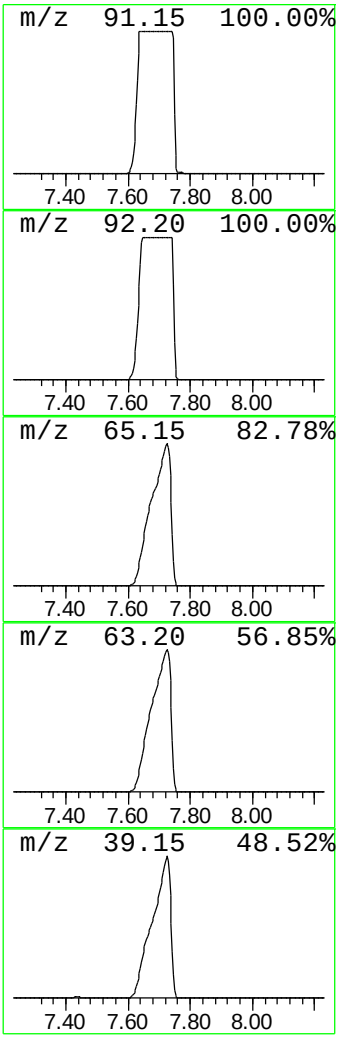
****

Peak Number 9 1,5-Hexadien-3-yne, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	527.70 ug/l	401637000	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Hexadien-3-yne, 2-methyl-	92	C7H8	000820-54-2	87
2	Toluene	92	C7H8	000108-88-3	83
3	Benzene, 1-nitro-2-(p-methylphen...	247	C13H10FNO3	028987-57-7	45
4	Pyridine, 4-methyl-2-nitro-	138	C6H6N2O2	018368-71-3	43
5	1,5-Heptadien-3-yne	92	C7H8	003511-27-1	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260

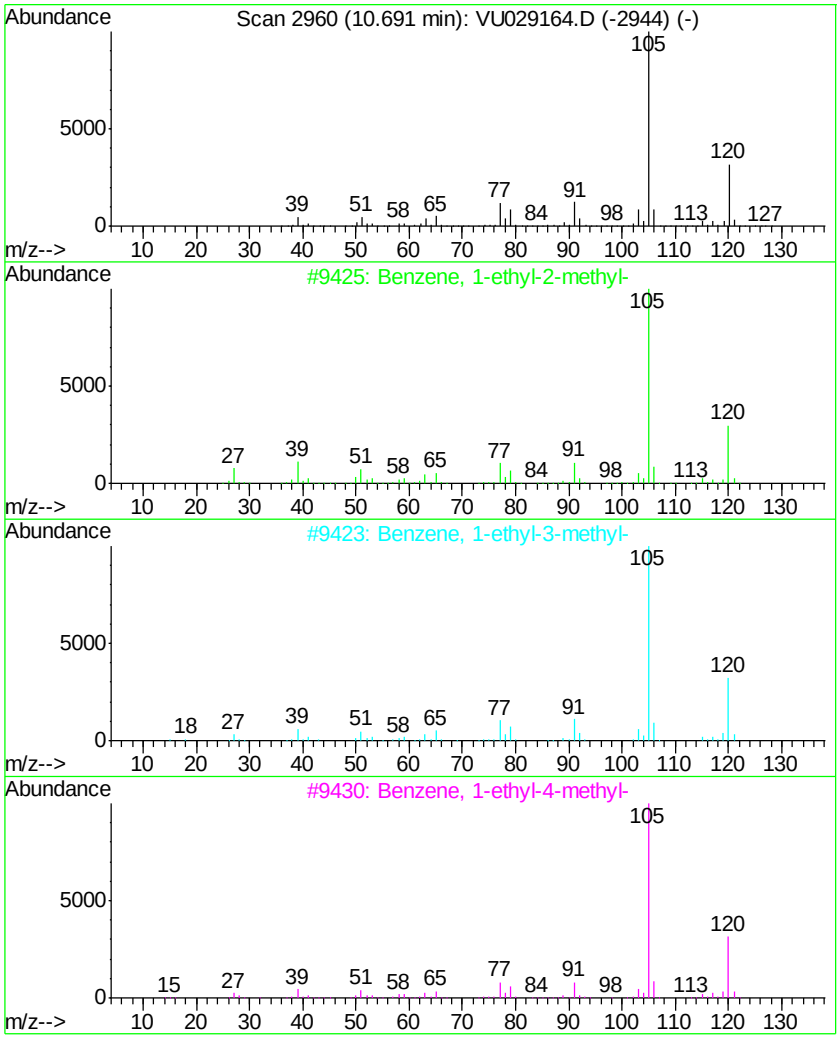
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

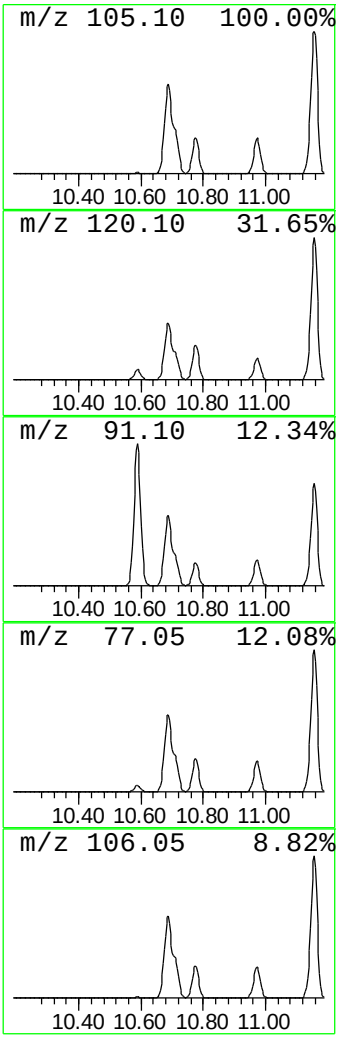
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	151.48 ug/l	27906300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-102

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.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	145.0	ug/l	13297800	1	4.99	4586600	50.0
Butane, 2-methyl-	1.76	296.3	ug/l	27181700	1	4.99	4586600	50.0
Pentane	1.95	104.6	ug/l	9596820	1	4.99	4586600	50.0
2-Pentene	2.05	124.4	ug/l	11411000	1	4.99	4586600	50.0
2-Butene, 2-methyl-	2.18	275.3	ug/l	25250600	1	4.99	4586600	50.0
Cyclopentene	2.68	152.1	ug/l	13954300	1	4.99	4586600	50.0
1-Pentene	2.79	66.9	ug/l	6135380	1	4.99	4586600	50.0
Cyclopentane, met...	4.09	73.0	ug/l	6697980	1	4.99	4586600	50.0
1,5-Hexadien-3-yn...	7.73	527.7	ug/l	401637000	3	9.09	38055300	50.0
Benzene, 1-ethyl-...	10.69	151.5	ug/l	27906300	4	11.48	9211400	50.0