LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

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\82U100118W.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	34	41	61	rVB	106530	105261	5.85%	0.924%
2	1.402	63	71	80	rBV	241447	241950	13.45%	2.123%
3	1.759	170	182	204	rBV	1339778	1799335	100.00%	15.790%
4	1.948	232	241	258	rVB3	123162	210663	11.71%	1.849%
5	2.051	264	273	282	rVB	24595	33099	1.84%	0.290%
6	2.186	306	315	329	rVB	66443	99174	5.51%	0.870%
7	2.305	339	352	370	rVB3	31966	65815	3.66%	0.578%
8	2.710	465	478	481	rVV2	82779	149344	8.30%	1.311%
9	2.746	482	489	497	rVV	167130	325420	18.09%	2.856%
10	2.794	498	504	526	rVB3	95124	189069	10.51%	1.659%
11	3.000	551	568	590	rBV	137421	292708	16.27%	2.569%
12	3.193	615	628	643	rVB3	13012	29320	1.63%	0.257%
13	3.308	651	664	679	rBV3	8391	18035	1.00%	0.158%
14	3.421	686	699	712	rBV4	8167	18563	1.03%	0.163%
15	3.559	730	742	758	rVB3	27035	60178	3.34%	0.528%
16	3.659	758	773	786	rBV2	20592	48781	2.71%	0.428%
17	3.733	786	796	811	rVB5	9939	24274	1.35%	0.213%
18	3.893	830	846	866	rVB2	23954	59981	3.33%	0.526%
19	4.096	891	909	927	rVV2	80665	216633	12.04%	1.901%
20	4.189	928	938	960	rVB7	8687	24880	1.38%	0.218%
21	4.781	1114	1122	1138	rVB3	16851	37042	2.06%	0.325%
22	4.884	1138	1154	1172	rVV2	103957	244139	13.57%	2.142%
23	4.987	1172	1186	1203	rVV2	172595	411013	22.84%	3.607%
24	5.080	1206	1215	1238	rVB4	21802	62458	3.47%	0.548%
25	5.221	1245	1259	1273	rBV4	19476	51632	2.87%	0.453%
26	5.311	1275	1287	1302	rVB	130257	265800	14.77%	2.332%
27	5.395	1303	1313	1327	rVB2	14249	30574	1.70%	0.268%
28	5.485	1327	1341	1349	rBV3	22039	51073	2.84%	0.448%
29	5.623	1374	1384	1399	rVB5	16462	39046	2.17%	0.343%
30	5.887	1452	1466	1478	rBV	229356	450566	25.04%	3.954%
31	6.225	1558	1571	1585	rBV5	10424	22727	1.26%	0.199%
32	6.414	1612	1630	1644	rBV5	38279	96281	5.35%	0.845%
33	7.061	1815	1831	1840	rBV6	7776	20672	1.15%	0.181%
34	7.565	1968	1988	2003	rBV	440541	794096	44.13%	6.968%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

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\82U100118W.M
Title : SW846 8260

35	7.639	2003	2011	2024	rVB	35882	65129	3.62%	0.572%
36	9.089	2449	2462	2486	rBV	335862	570391	31.70%	5.005%
37	9.250	2499	2512	2537	rVB	340917	542939	30.17%	4.764%
38	9.376	2537	2551	2572	rBV	329377	547764	30.44%	4.807%
39	9.781	2667	2677	2691	rBV2	24042	37551	2.09%	0.330%
40	10.167	2787	2797	2809	rBV	34065	51831	2.88%	0.455%
41	10.308	2829	2841	2860	rBV	323192	514999	28.62%	4.519%
42	10.588	2917	2928	2946	rBV	53459	86786	4.82%	0.762%
43	10.681	2946	2957	2961	rBV	67313	100076	5.56%	0.878%
44	10.774	2976	2986	3000	rVB	68025	104351	5.80%	0.916%
45	10.974	3037	3048	3059	rBV	53534	82098	4.56%	0.720%
46	11.150	3091	3103	3116	rVB	107951	164245	9.13%	1.441%
47	11.485	3195	3207	3225	rBV	422251	668679	37.16%	5.868%
48	11.572	3225	3234	3247	rVB	23015	34806	1.93%	0.305%
49	11.768	3280	3295	3317	rBV	238194	412524	22.93%	3.620%
50	11.871	3317	3327	3345	rVB5	20188	44242	2.46%	0.388%
51	11.983	3351	3362	3373	rBV3	14081	20691	1.15%	0.182%
52	12.147	3404	3413	3420	rBV2	25503	39389	2.19%	0.346%
53	12.253	3432	3446	3452	rBV	46463	70084	3.89%	0.615%
54	12.285	3452	3456	3465	rVV2	17106	23368	1.30%	0.205%
55	12.356	3465	3478	3499	rVB	85663	140052	7.78%	1.229%
56	12.652	3556	3570	3578	rBV2	20207	31258	1.74%	0.274%
57	12.703	3578	3586	3600	rVB	23171	34707	1.93%	0.305%
58	12.964	3658	3667	3683	rVB	46121	72175	4.01%	0.633%
59	13.125	3698	3717	3729	rBV2	130133	208721	11.60%	1.832%
60	13.292	3760	3769	3781	rVB5	13166	22062	1.23%	0.194%
61	13.745	3896	3910	3928	rBV	69941	115136	6.40%	1.010%

Sum of corrected areas: 11395656

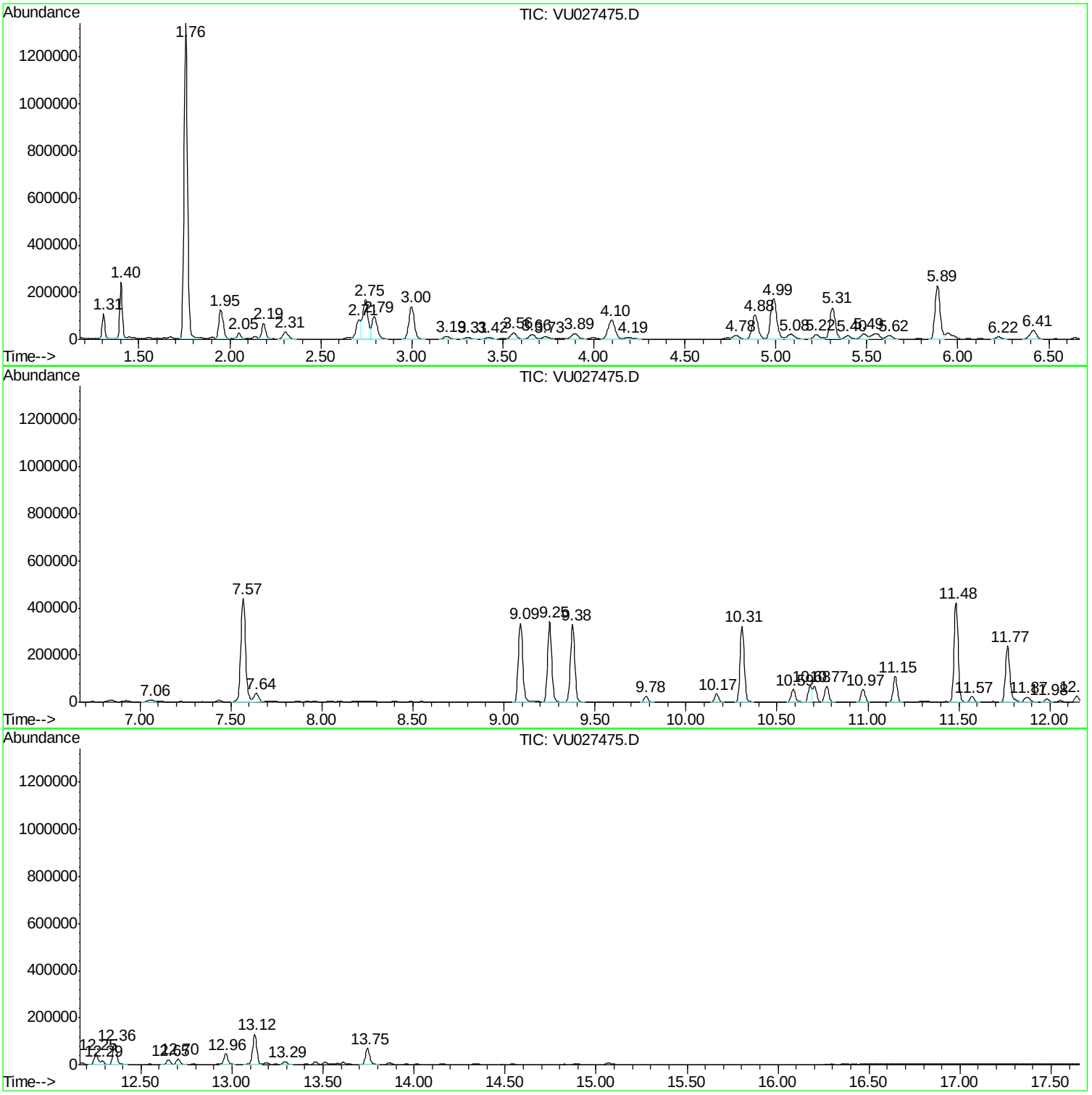
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

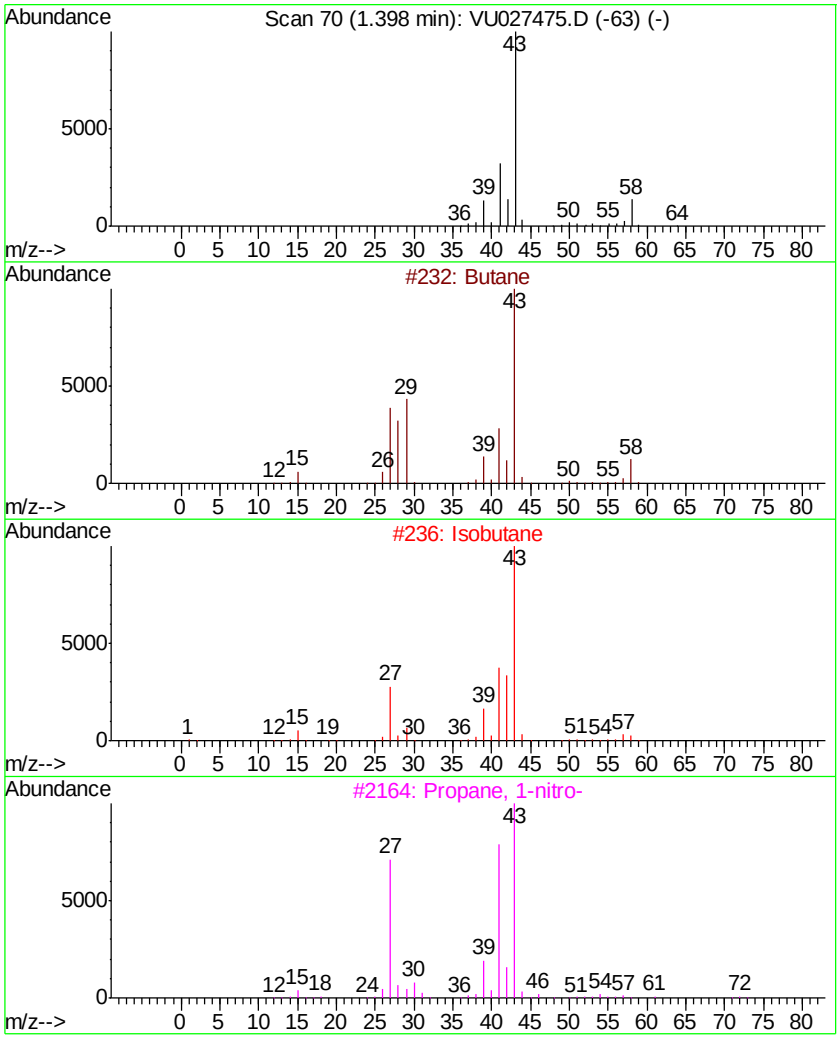
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

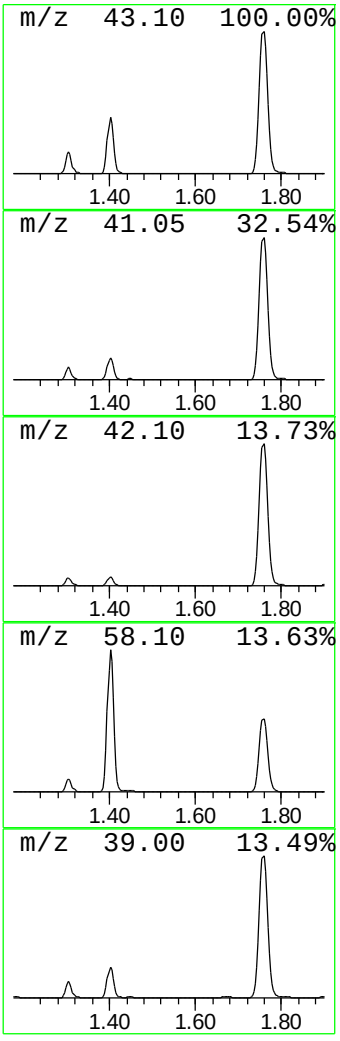
****

Peak Number 1 Butane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	29.43 ug/l	241950	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
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	Diazene, dimethyl-	58	C2H6N2	000503-28-6	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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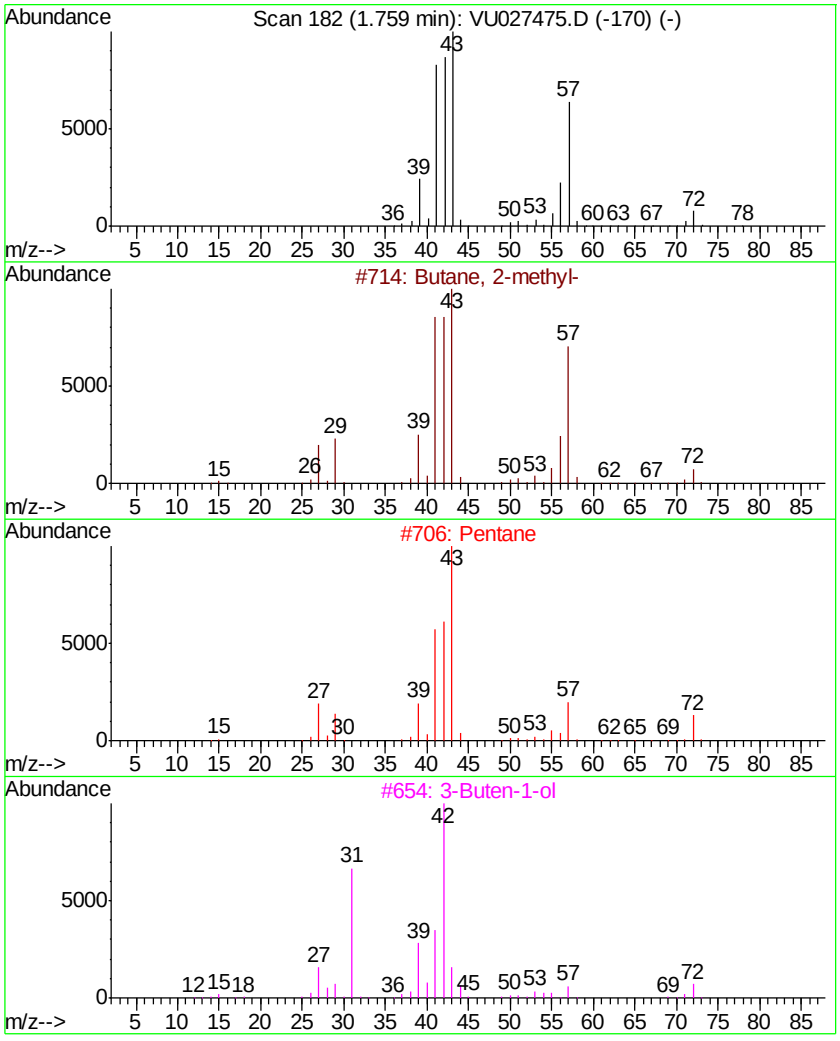
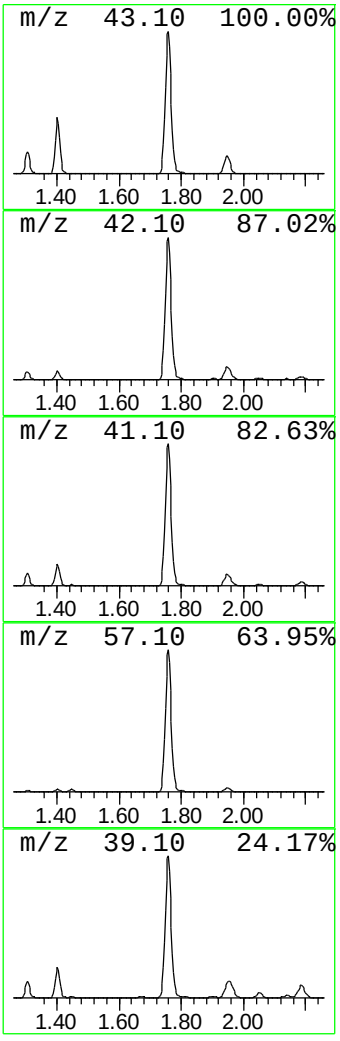
Peak Number 2 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	218.89 ug/l	1799340	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	33
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	1-Butene	56	C4H8	000106-98-9	9
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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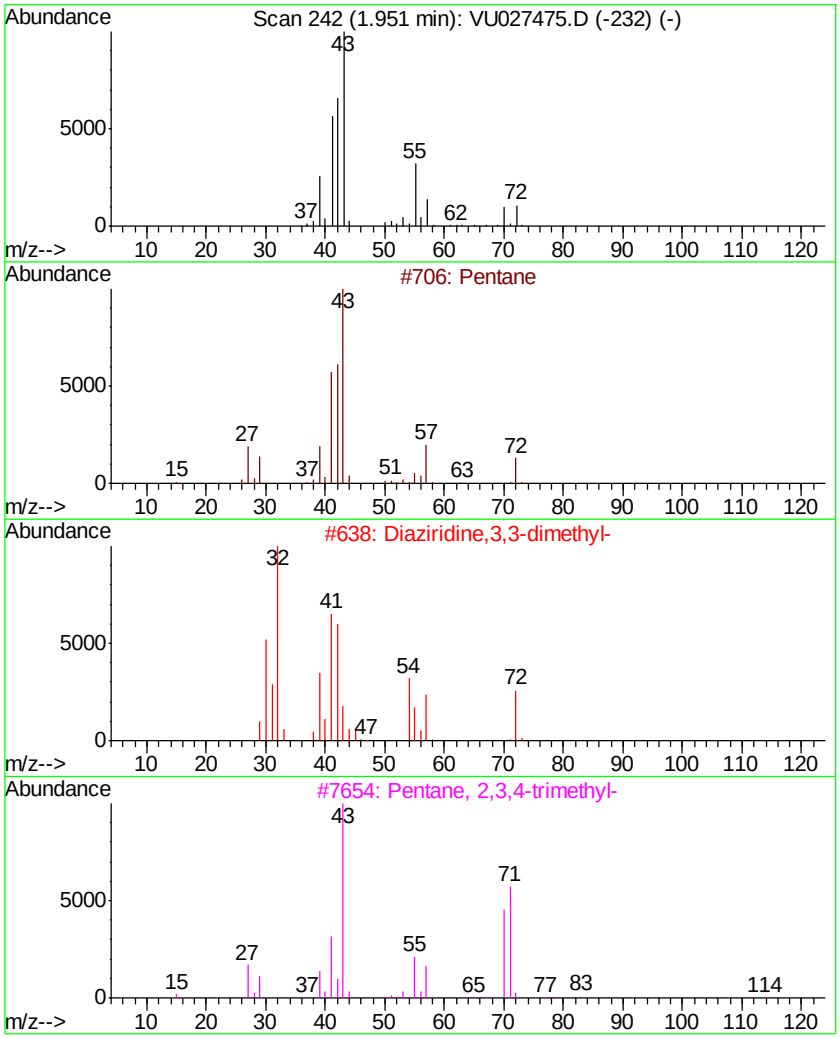
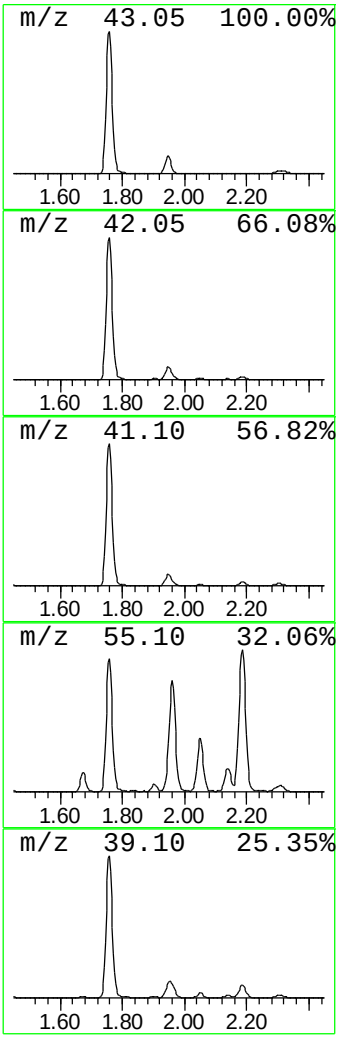
Peak Number 3 Pentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	25.63 ug/l	210663	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	38
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	32
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	25
5	3-Buten-1-ol	72	C4H8O	000627-27-0	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

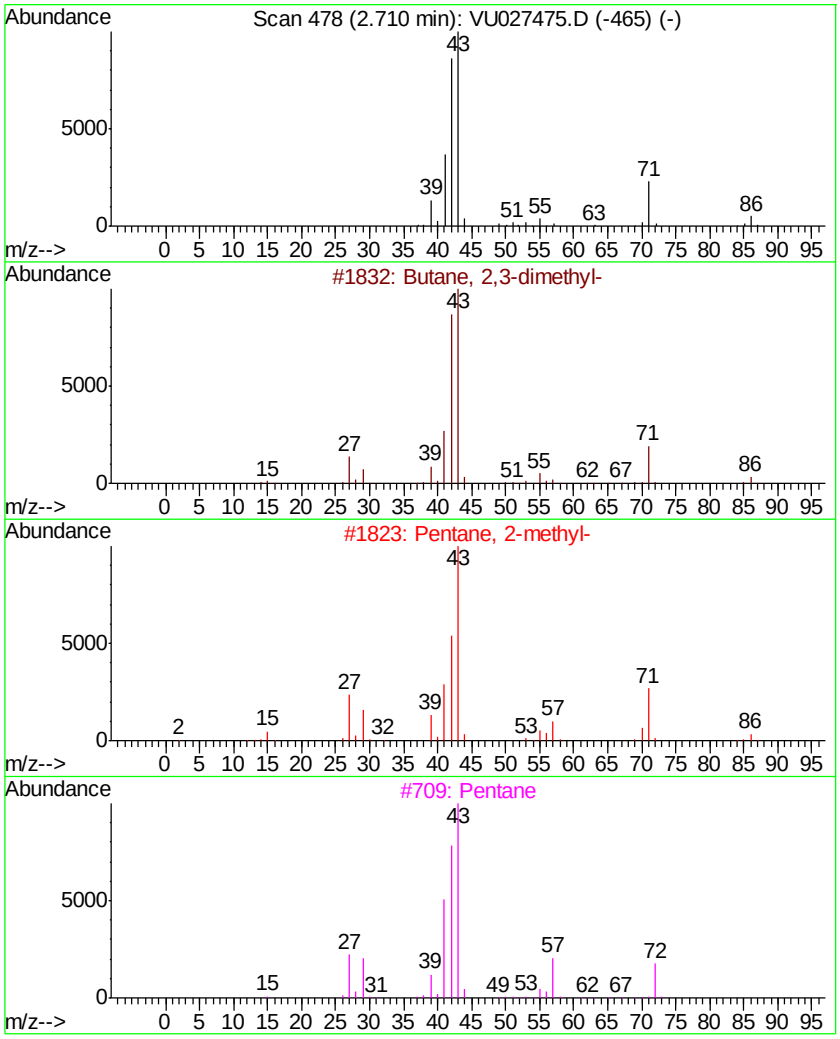
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

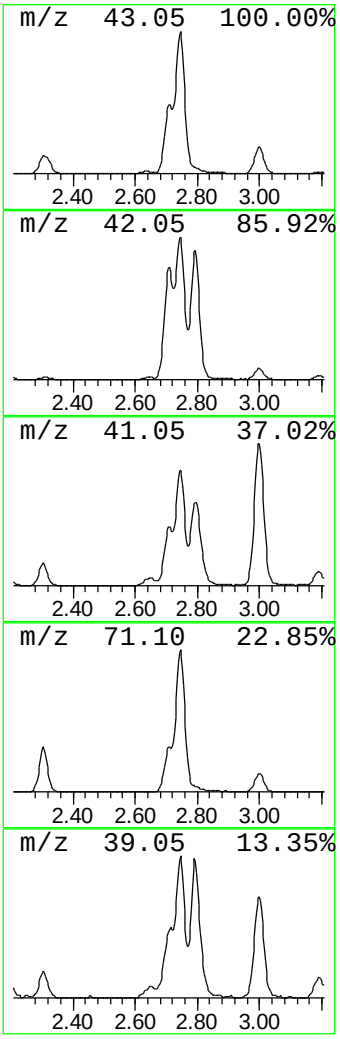
****

Peak Number 4 Butane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	18.17 ug/l	149344	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Pentane	72	C5H12	000109-66-0	45
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	9
5	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

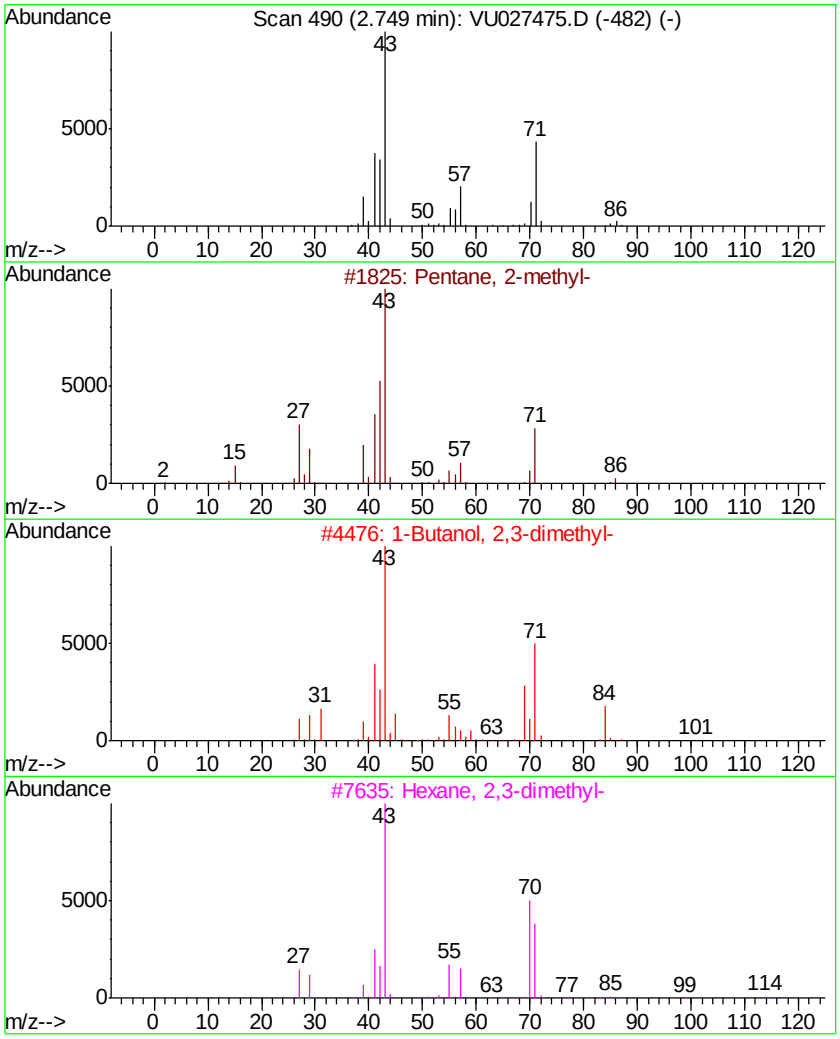
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

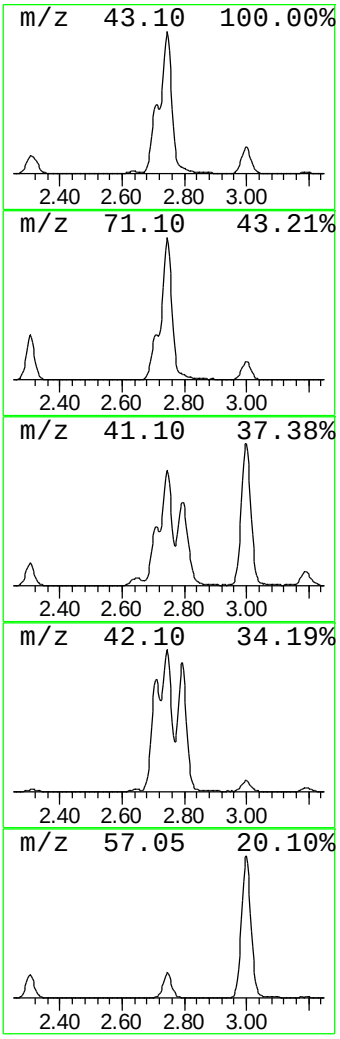
****

Peak Number 5 Pentane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	39.59 ug/l	325420	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
2	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	43
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	42
4	Ether, hexyl pentyl	172	C11H24O	032357-83-8	39
5	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	38





Library Search Compound Report

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Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

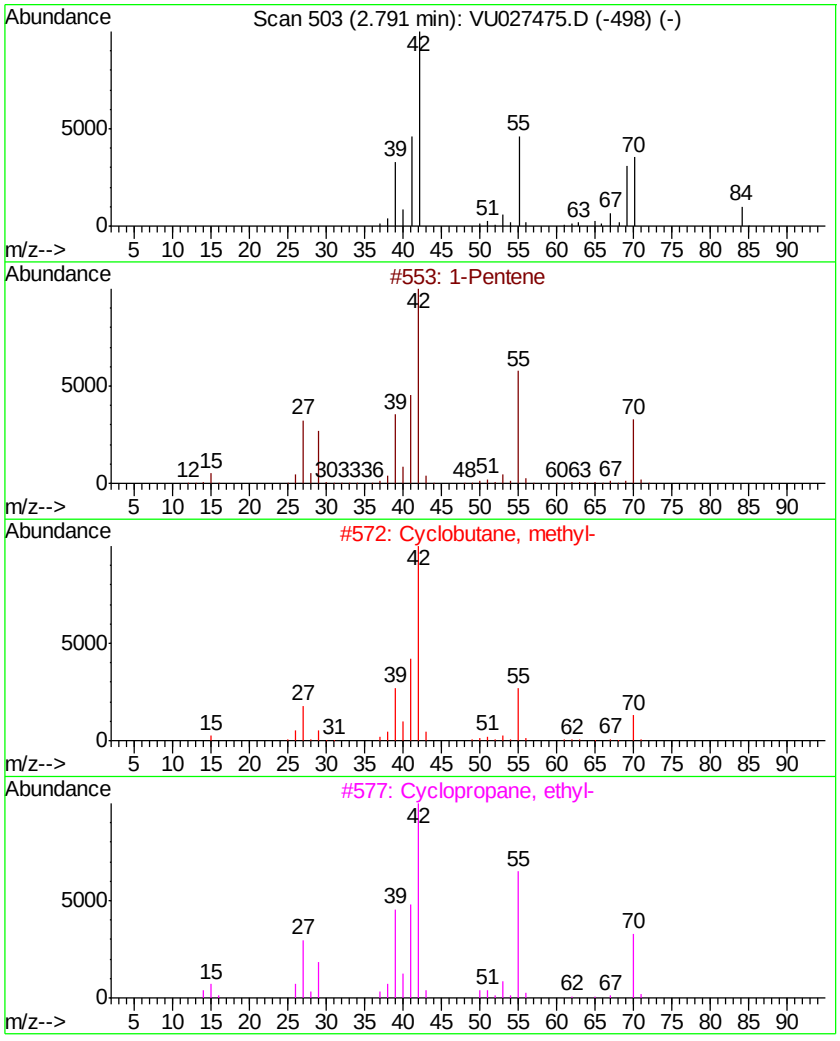
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

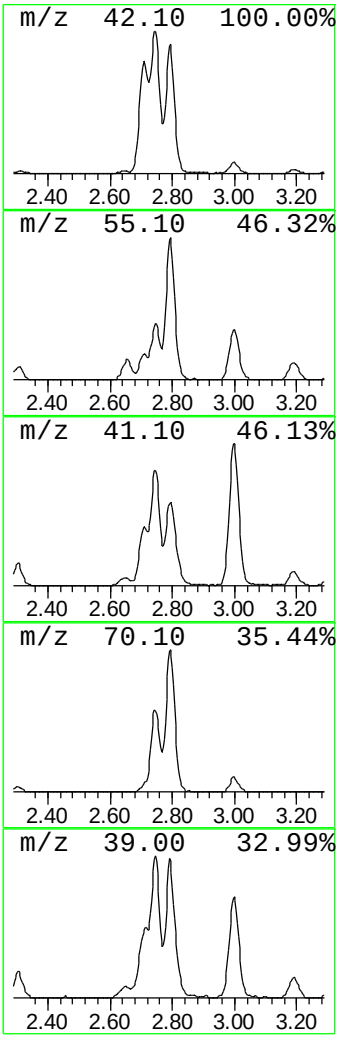
****

Peak Number 6 1-Pentene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	23.00 ug/l	189069	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
4	Cyclopentane	70	C5H10	000287-92-3	50
5	Acetaldehyde, ethylidenehydrazone	84	C4H8N2	000592-56-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

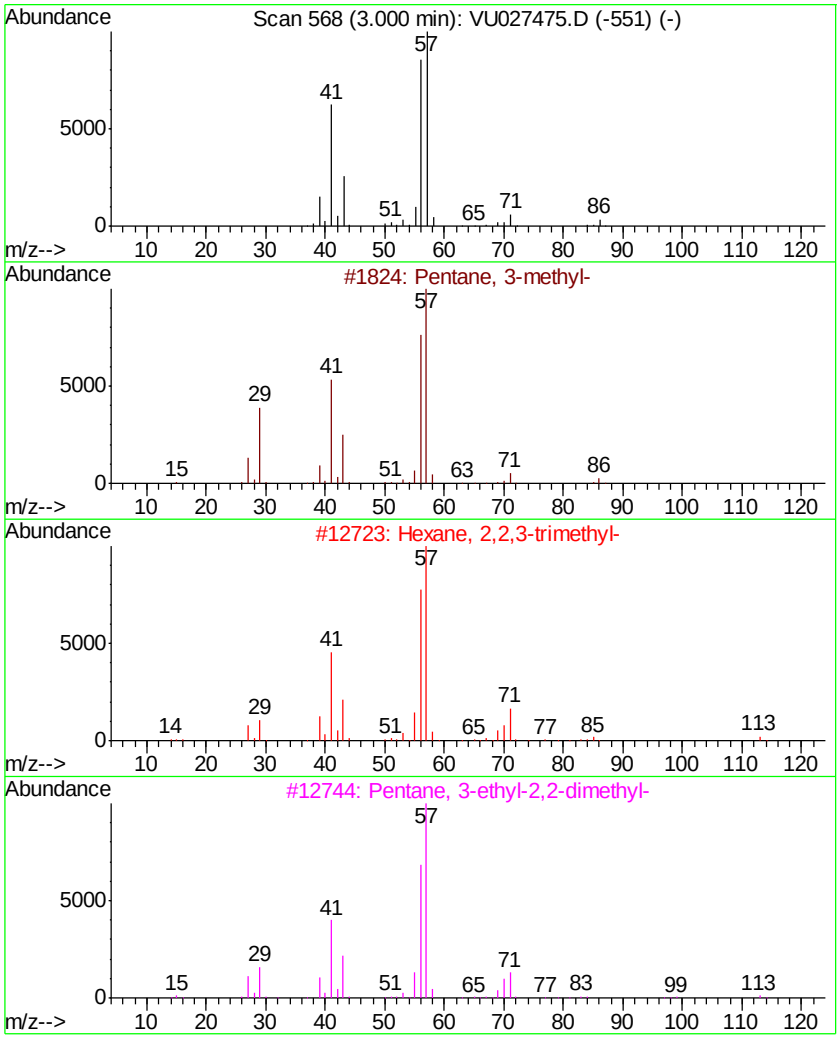
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

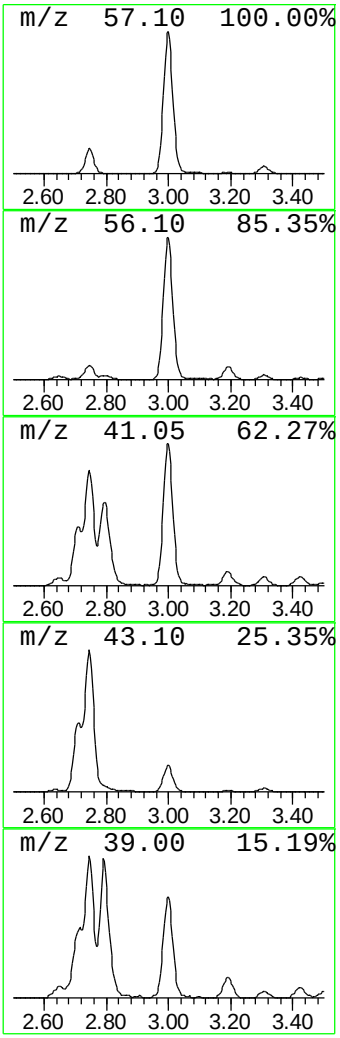
****

Peak Number 7 Pentane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	35.61 ug/l	292708	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
4	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50
5	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

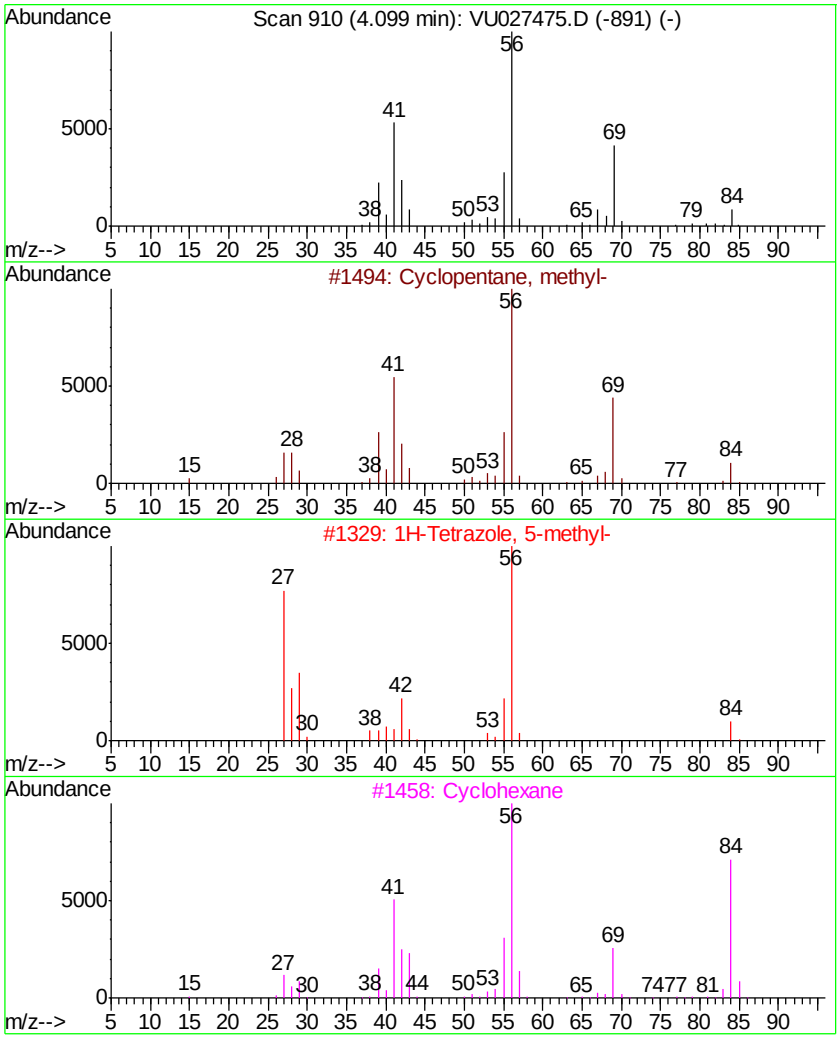
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

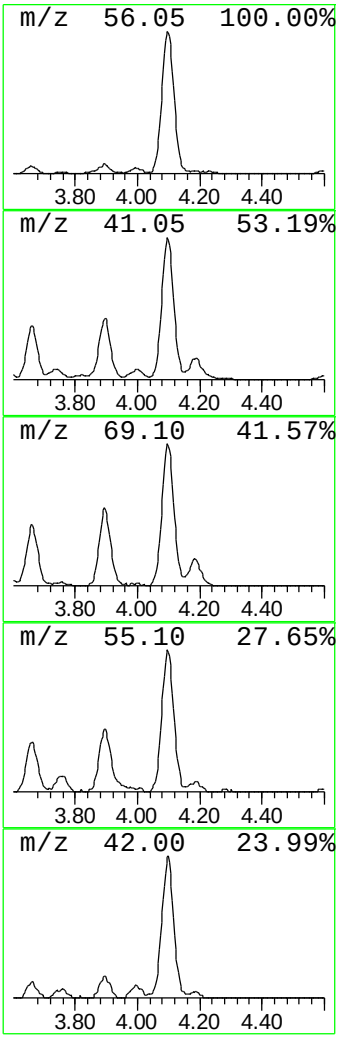
****

Peak Number 8 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	26.35 ug/l	216633	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	56





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Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

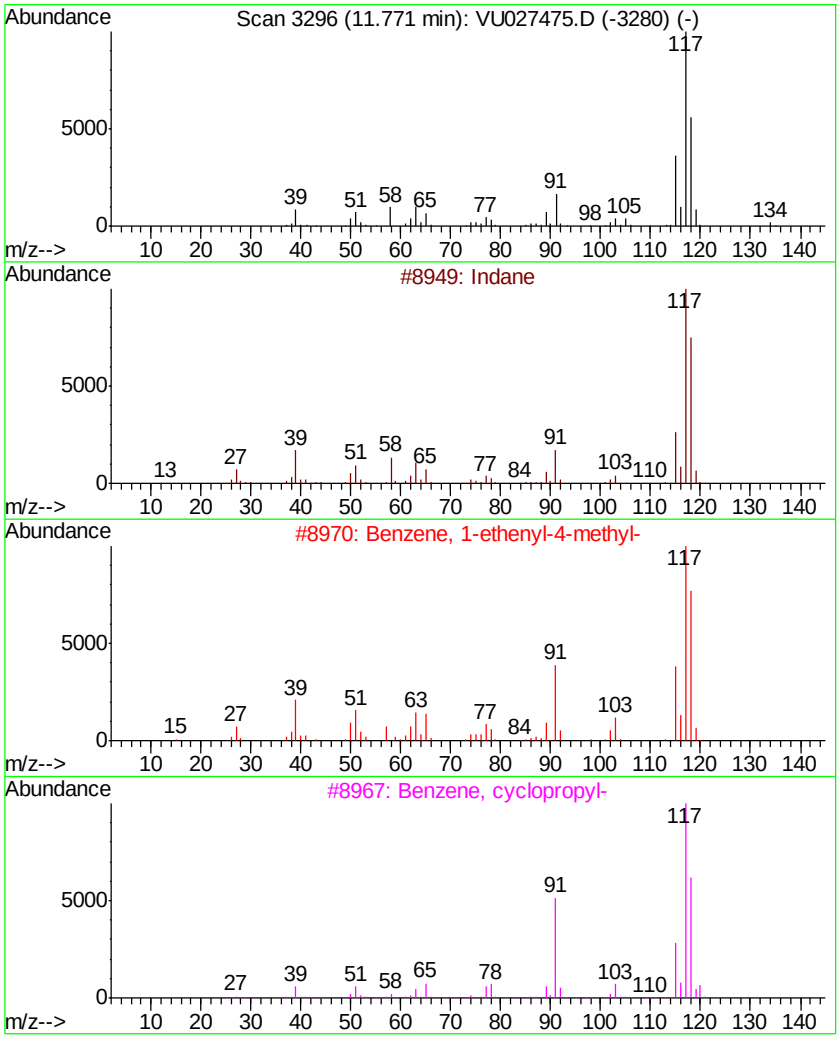
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

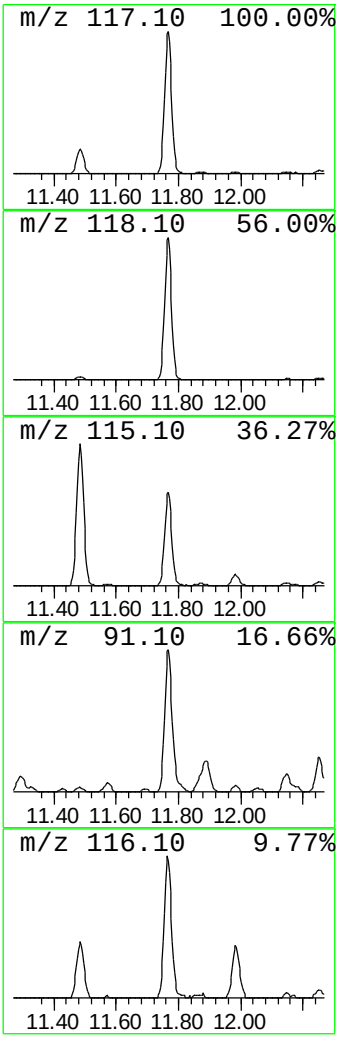
****

Peak Number 9 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	30.85 ug/l	412524	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72
5	Deltacyclene	118	C9H10	007785-10-6	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

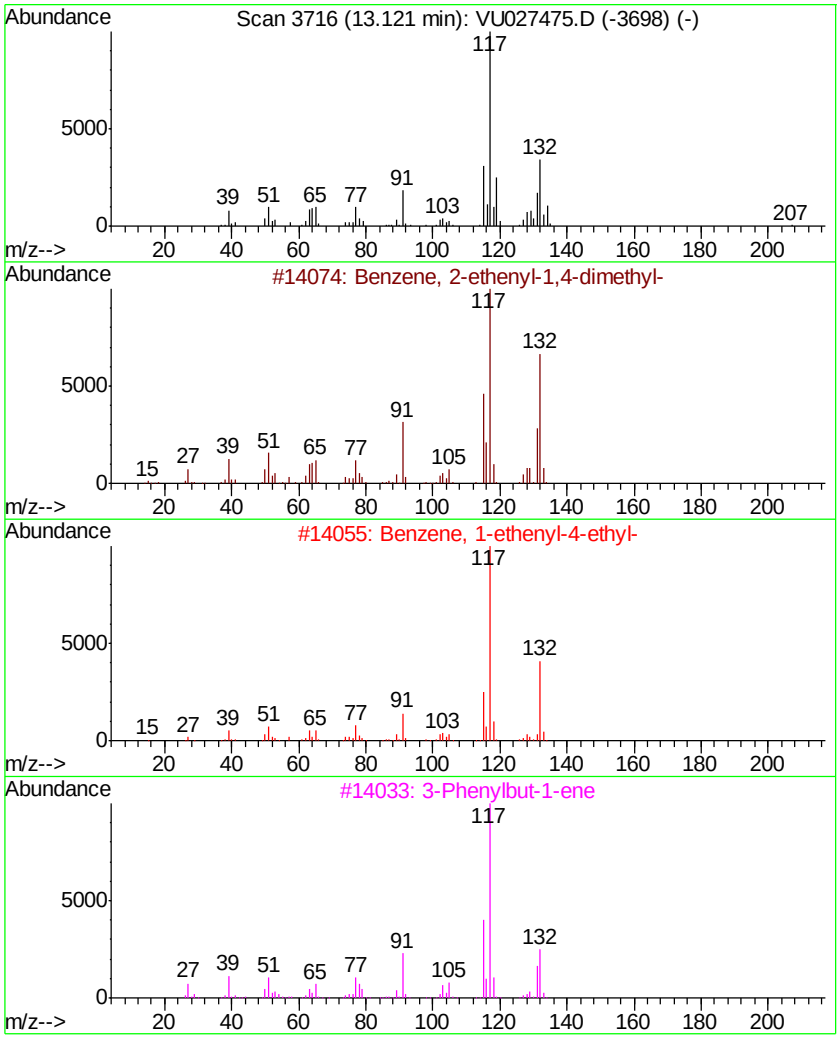
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

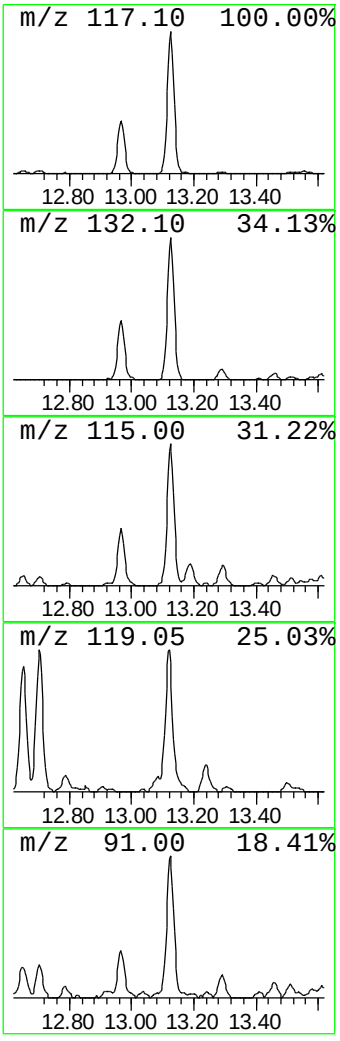
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	15.61 ug/l	208721	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027475.D
Acq On : 05 Oct 2018 23:49
Operator : MD/SY
Sample : J5268-01DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.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	29.4	ug/l	241950	1	4.99	411013	50.0
Butane, 2-methyl-	1.76	218.9	ug/l	1799340	1	4.99	411013	50.0
Pentane	1.95	25.6	ug/l	210663	1	4.99	411013	50.0
Butane, 2,3-dimet...	2.71	18.2	ug/l	149344	1	4.99	411013	50.0
Pentane, 2-methyl-	2.75	39.6	ug/l	325420	1	4.99	411013	50.0
1-Pentene	2.79	23.0	ug/l	189069	1	4.99	411013	50.0
Pentane, 3-methyl-	3.00	35.6	ug/l	292708	1	4.99	411013	50.0
Cyclopentane, met...	4.10	26.4	ug/l	216633	1	4.99	411013	50.0
Indane	11.77	30.9	ug/l	412524	4	11.48	668679	50.0
Benzene, 2-etheny...	13.12	15.6	ug/l	208721	4	11.48	668679	50.0