LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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	1.758	173	182	197	rBV	123123	164048	5.12%	0.960%
2	1.951	232	242	260	rVB3	85536	137854	4.30%	0.806%
3	2.051	264	273	285	rBV	37801	51521	1.61%	0.301%
4	2.186	307	315	331	rVB	72624	108514	3.39%	0.635%
5	2.707	447	477	481	rBV3	20563	61586	1.92%	0.360%
6	2.746	482	489	496	rVV2	47901	91602	2.86%	0.536%
7	2.794	496	504	525	rVB2	68806	147151	4.59%	0.861%
8	3.000	553	568	588	rBV2	38107	80404	2.51%	0.470%
9	3.308	650	664	680	rBV2	23707	51537	1.61%	0.301%
10	3.559	732	742	759	rVB2	31337	69122	2.16%	0.404%
11	3.659	759	773	785	rBV4	18999	45678	1.43%	0.267%
12	3.897	831	847	863	rVB3	28420	72009	2.25%	0.421%
13	4.099	891	910	927	rBV2	114229	307680	9.60%	1.800%
14	4.781	1096	1122	1139	rBV2	58884	142154	4.44%	0.831%
15	4.887	1139	1155	1171	rBV	100942	226443	7.07%	1.325%
16	4.990	1171	1187	1206	rBV2	196957	484323	15.12%	2.833%
17	5.311	1274	1287	1301	rVV	126062	264637	8.26%	1.548%
18	5.392	1301	1312	1329	rVB	94390	202421	6.32%	1.184%
19	5.520	1347	1352	1372	rVB6	18490	48605	1.52%	0.284%
20	5.890	1453	1467	1479	rBV	218171	436800	13.64%	2.555%
21	6.417	1613	1631	1645	rBV4	39598	98253	3.07%	0.575%
22	7.565	1970	1988	2002	rBV	402341	733448	22.90%	4.290%
23	7.639	2002	2011	2043	rVB2	98808	189692	5.92%	1.110%
24	9.089	2450	2462	2488	rBV	324633	548775	17.13%	3.210%
25	9.250	2499	2512	2535	rBV	816820	1312108	40.96%	7.675%
26	9.376	2537	2551	2585	rVB	1950753	3203487	100.00%	18.738%
27	9.781	2664	2677	2696	rBV	398452	632792	19.75%	3.701%
28	10.166	2784	2797	2815	rVB	39014	60940	1.90%	0.356%
29	10.308	2830	2841	2862	rBV	324380	504921	15.76%	2.953%
30	10.588	2916	2928	2946	rBV	89031	149427	4.66%	0.874%
31	10.681	2946	2957	2961	rBV	278629	424662	13.26%	2.484%
32	10.771	2975	2985	3001	rVB	330114	499528	15.59%	2.922%
33	10.970	3034	3047	3063	rBV	258339	399886	12.48%	2.339%
34	11.147	3089	3102	3117	rBV	973367	1469021	45.86%	8.593%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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	11.485	3196	3207	3222	rVV	425204	661273	20.64%	3.868%
36	11.572	3222	3234	3247	rVB	284573	429708	13.41%	2.513%
37	11.768	3279	3295	3304	rBV	287740	493296	15.40%	2.885%
38	11.810	3305	3308	3316	rVV	45726	53822	1.68%	0.315%
39	11.874	3316	3328	3346	rVB2	120264	213828	6.67%	1.251%
40	11.983	3351	3362	3374	rVB	29438	45579	1.42%	0.267%
41	12.057	3374	3385	3400	rVB	31663	46792	1.46%	0.274%
42	12.147	3403	3413	3417	rBV	64459	94932	2.96%	0.555%
43	12.176	3418	3422	3434	rVB	62464	83187	2.60%	0.487%
44	12.250	3434	3445	3453	rBV	104228	164247	5.13%	0.961%
45	12.285	3453	3456	3467	rVB2	27613	32838	1.03%	0.192%
46	12.353	3467	3477	3500	rBV2	82843	150081	4.68%	0.878%
47	12.552	3528	3539	3552	rVB	30375	48364	1.51%	0.283%
48	12.649	3553	3569	3577	rBV	57338	88321	2.76%	0.517%
49	12.703	3577	3586	3599	rVB	100690	151394	4.73%	0.886%
50	12.964	3658	3667	3682	rVB	65060	98736	3.08%	0.578%
51	13.125	3694	3717	3731	rBV2	159632	275992	8.62%	1.614%
52	13.292	3760	3769	3781	rVB3	24982	40032	1.25%	0.234%
53	13.510	3828	3837	3853	rBV3	25094	48487	1.51%	0.284%
54	13.742	3887	3909	3935	rBV	255062	410462	12.81%	2.401%
55	14.880	4253	4263	4280	rBV	25054	43907	1.37%	0.257%

Sum of corrected areas: 17096307

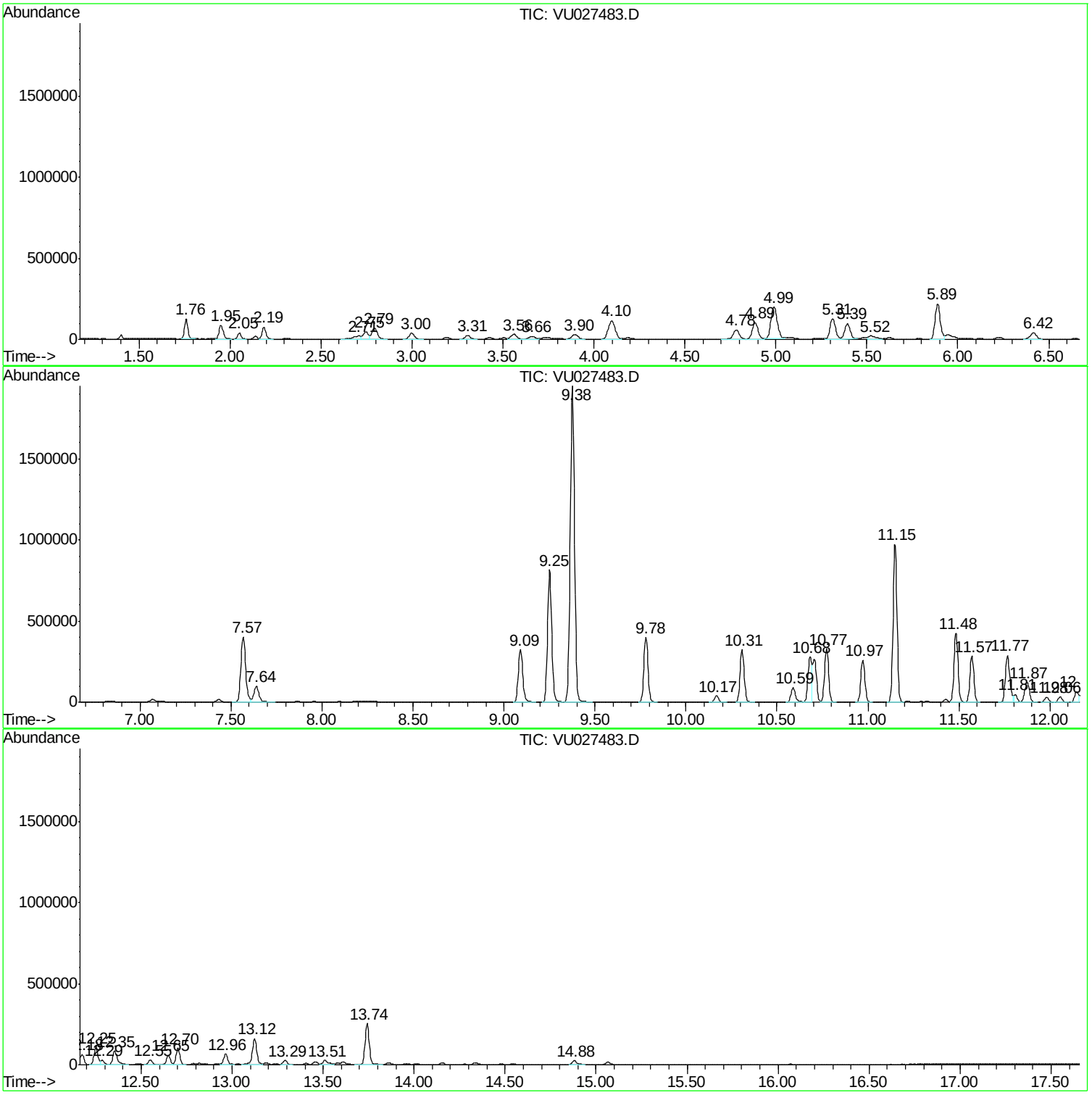
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

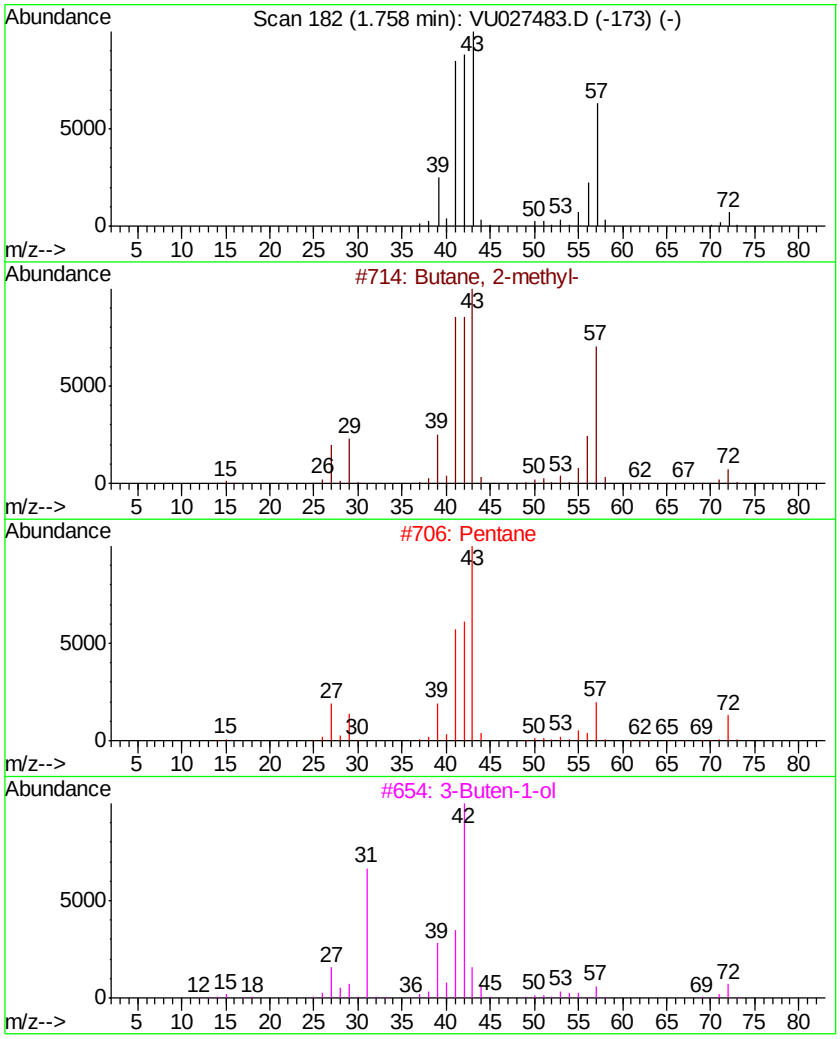
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

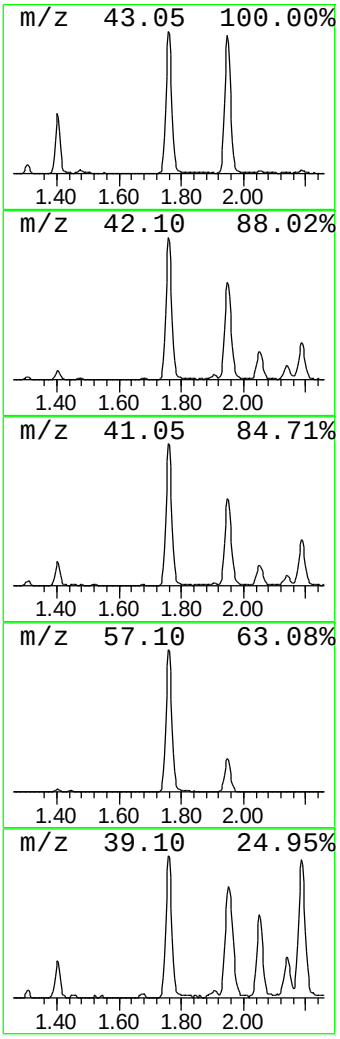
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	16.94 ug/l	164048	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
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	10
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

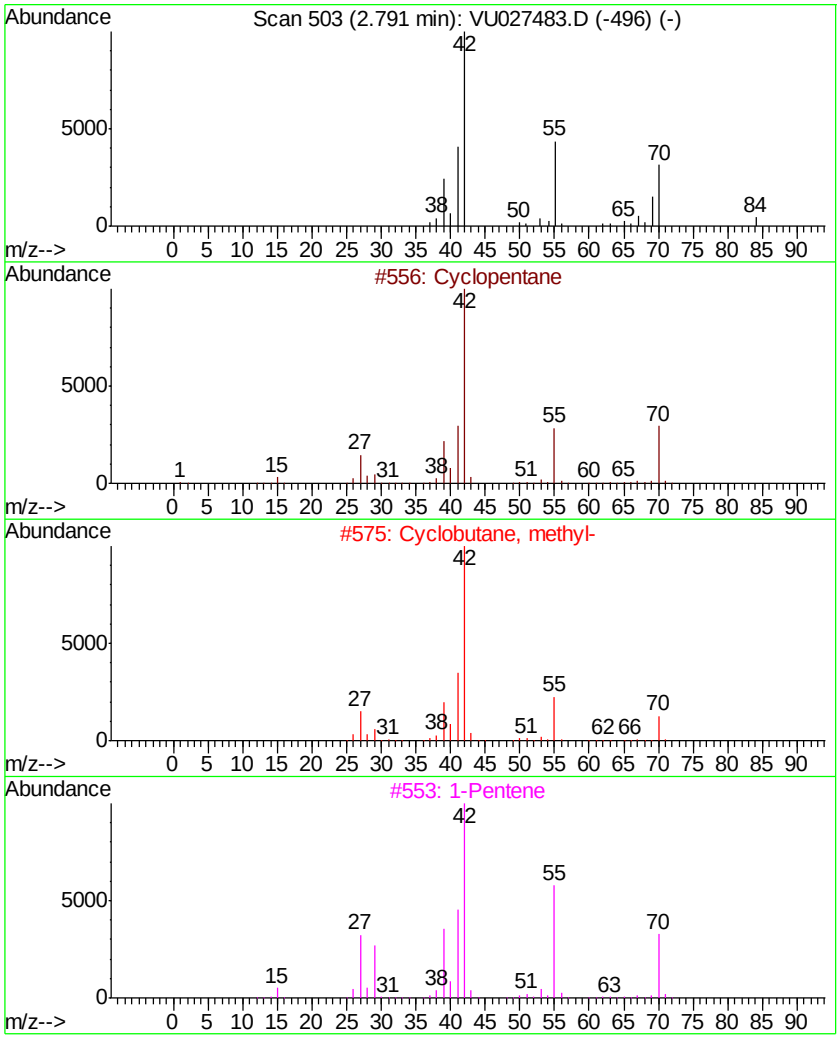
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

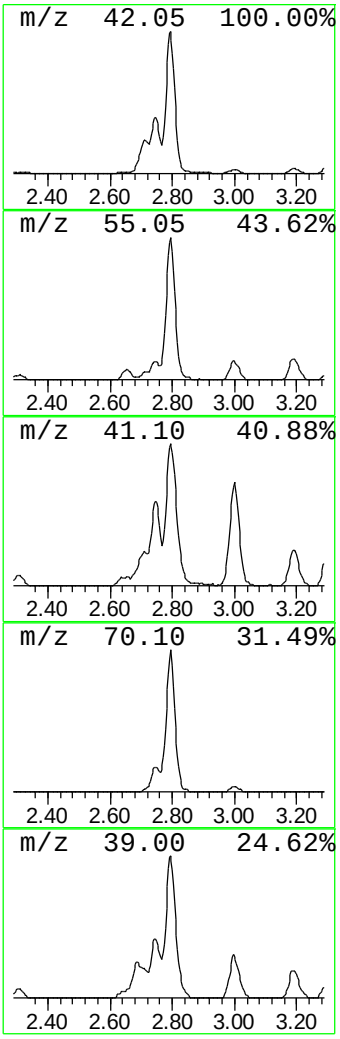
****

Peak Number 2 Cyclopentane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	15.19 ug/l	147151	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	1-Pentene	70	C5H10	000109-67-1	45
4	3-Buten-1-ol	72	C4H8O	000627-27-0	40
5	Cyclobutanone	70	C4H6O	001191-95-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

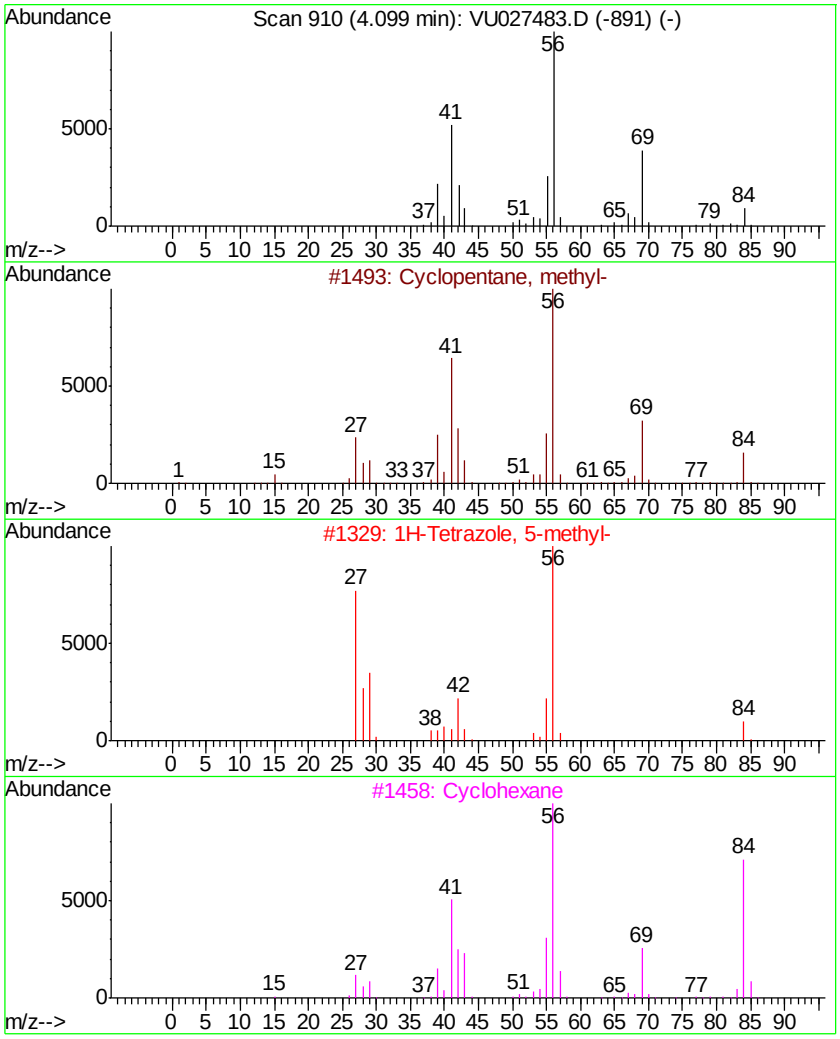
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

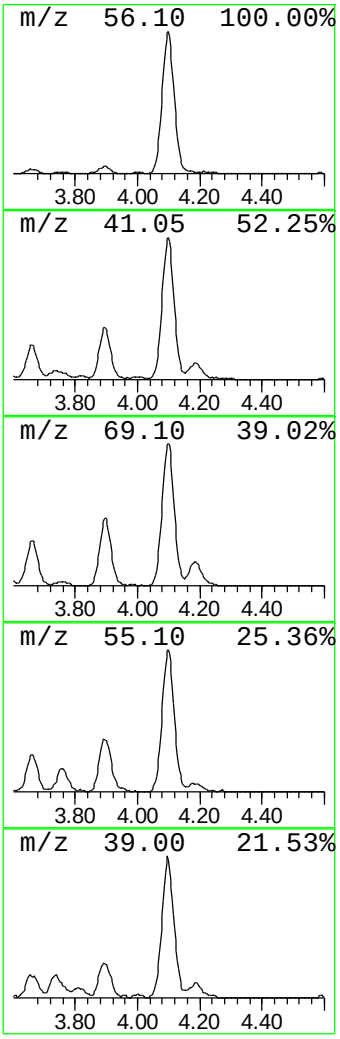
****

Peak Number 3 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	31.76 ug/l	307680	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	72
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

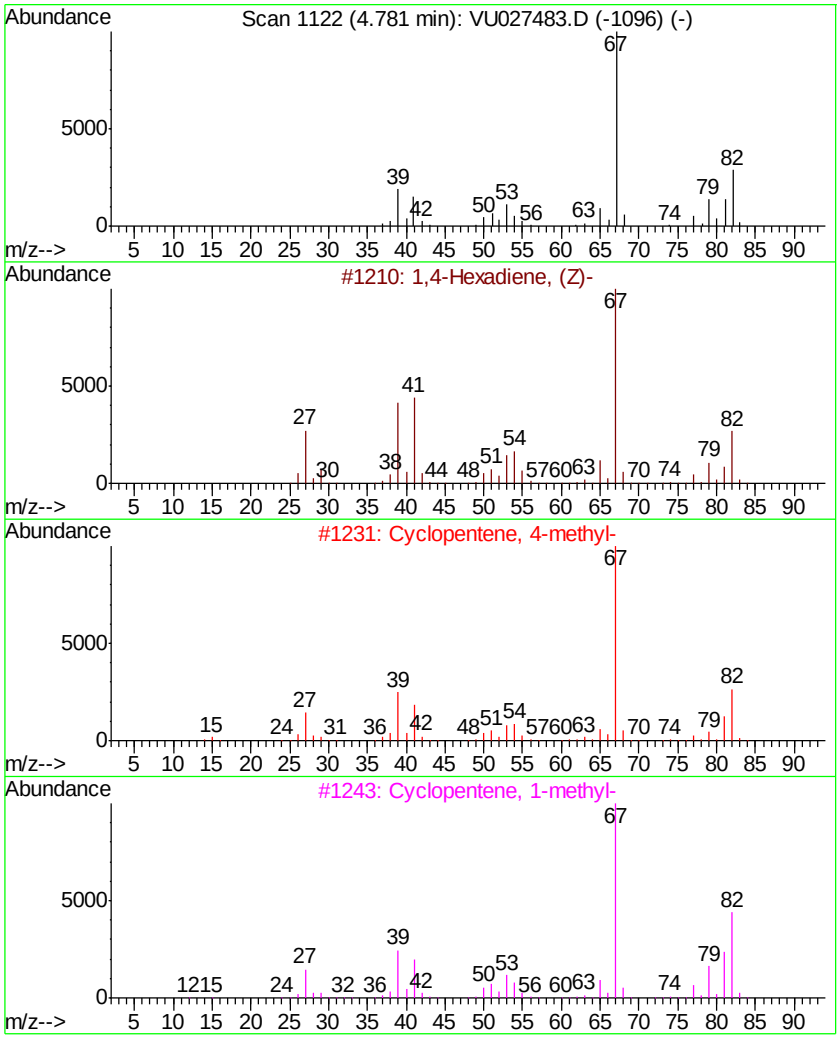
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

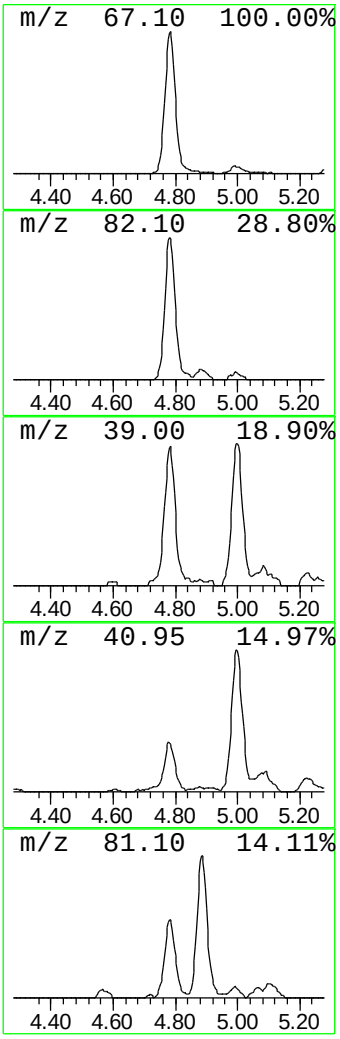
****

Peak Number 4 1,4-Hexadiene, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	14.68 ug/l	142154	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	90
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
4	2,4-Hexadiene	82	C6H10	000592-46-1	87
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

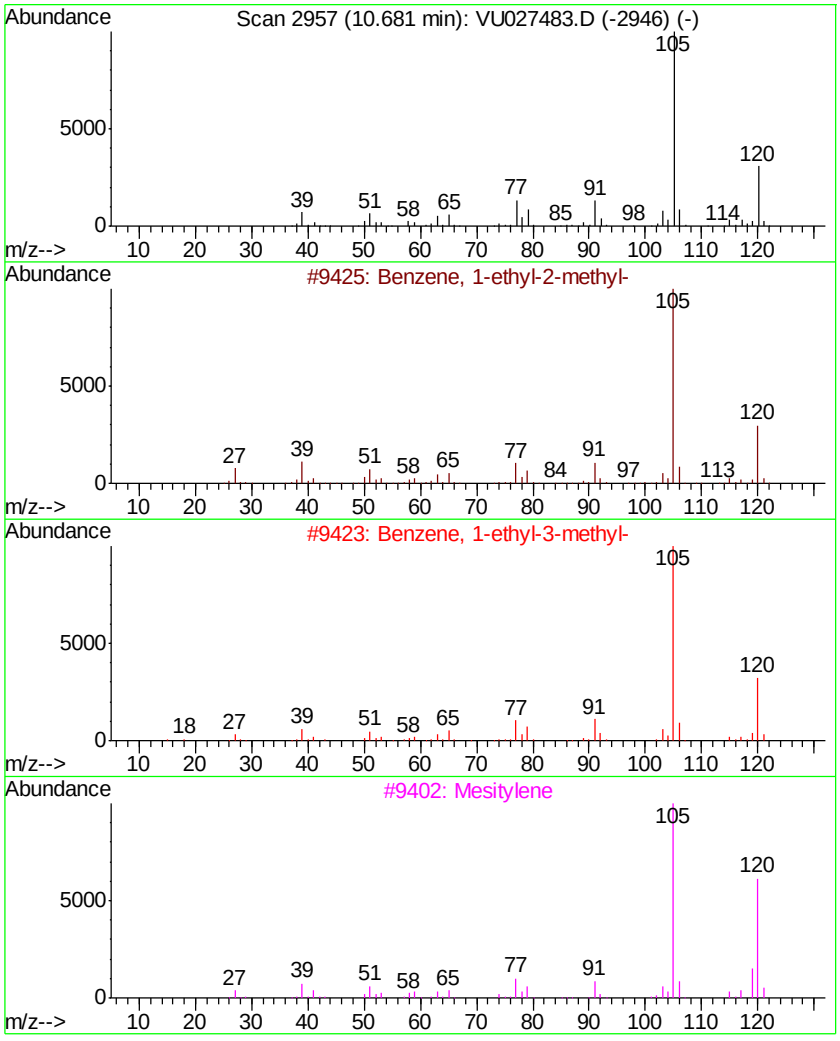
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

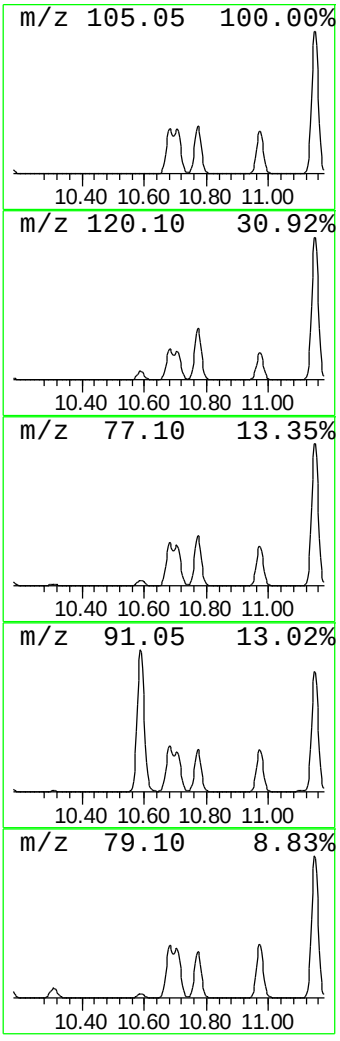
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	32.11 ug/l	424662	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	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

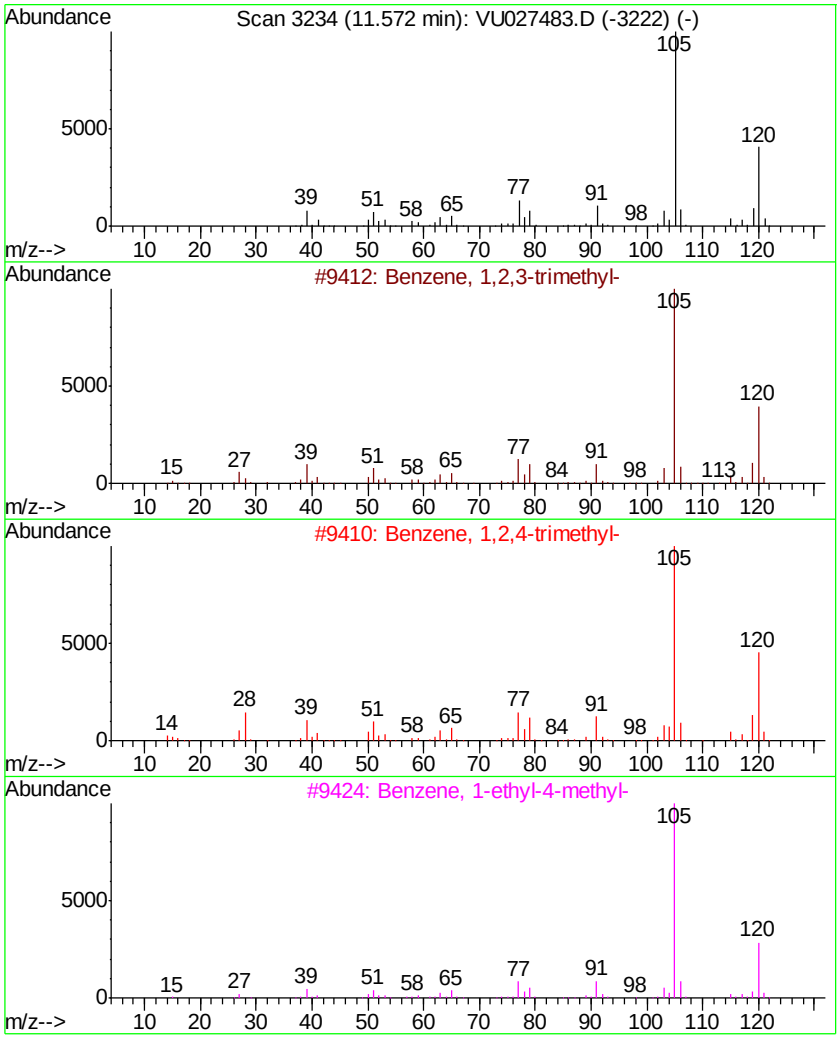
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

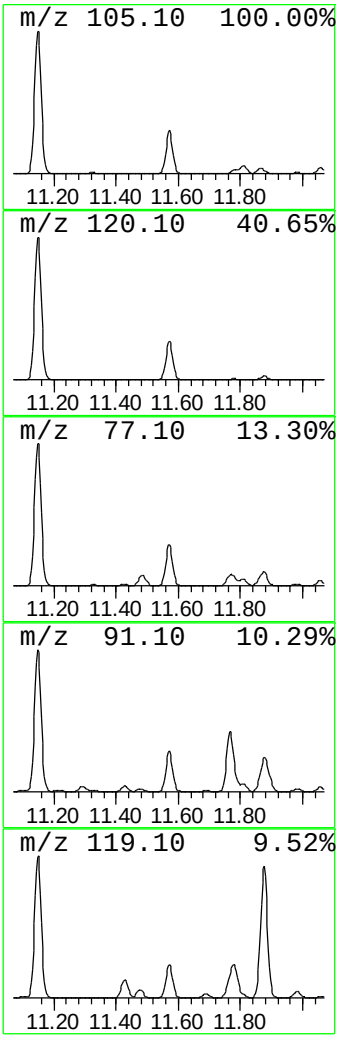
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	32.49 ug/l	429708	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

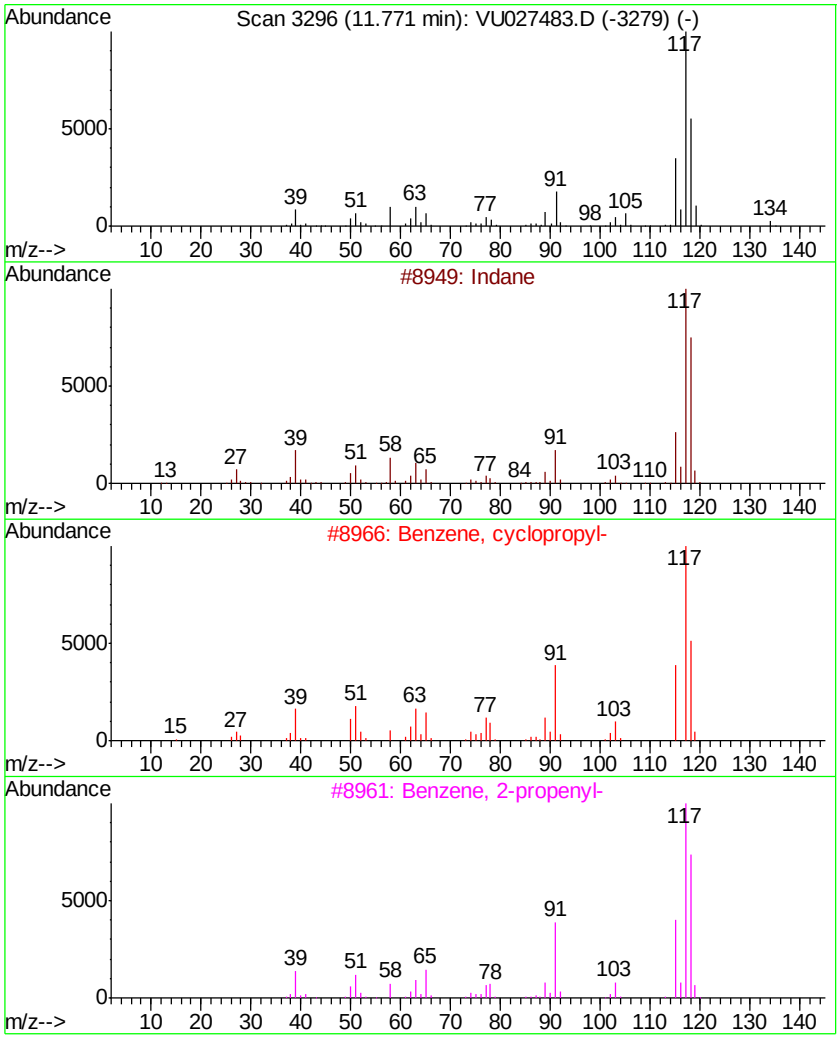
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

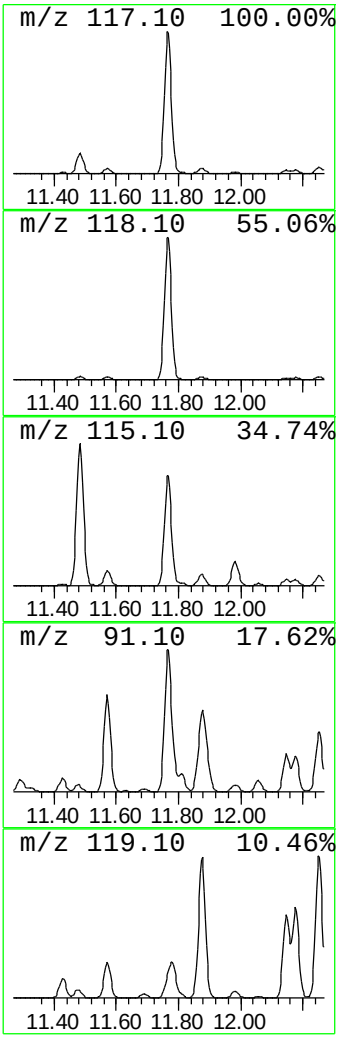
****

Peak Number 8 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	37.30 ug/l	493296	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, cyclopropyl-	118	C9H10	000873-49-4	81
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
5	Deltacyclene	118	C9H10	007785-10-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

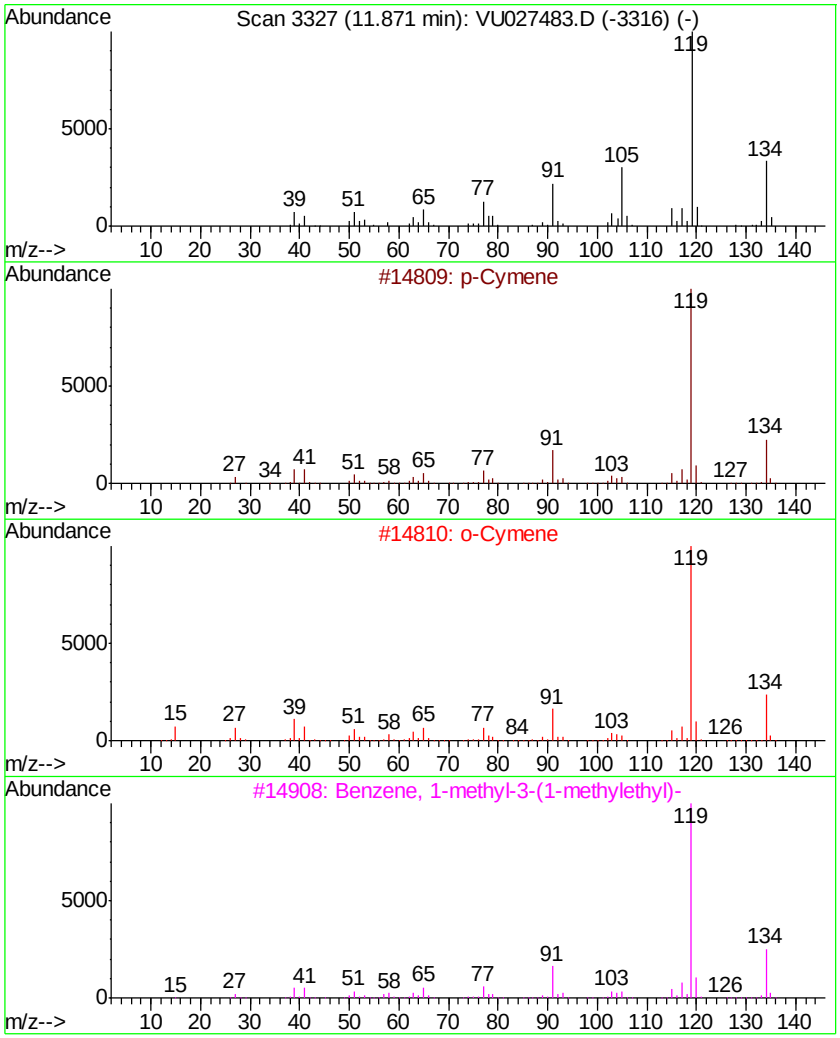
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

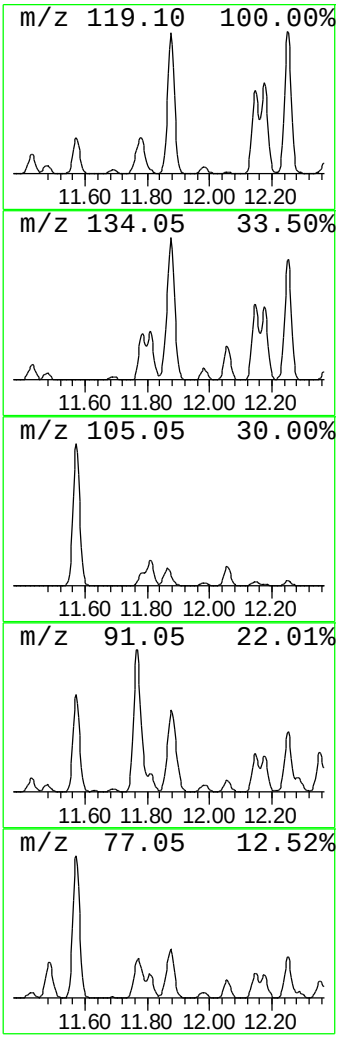
****

Peak Number 9 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	16.17 ug/l	213828	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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

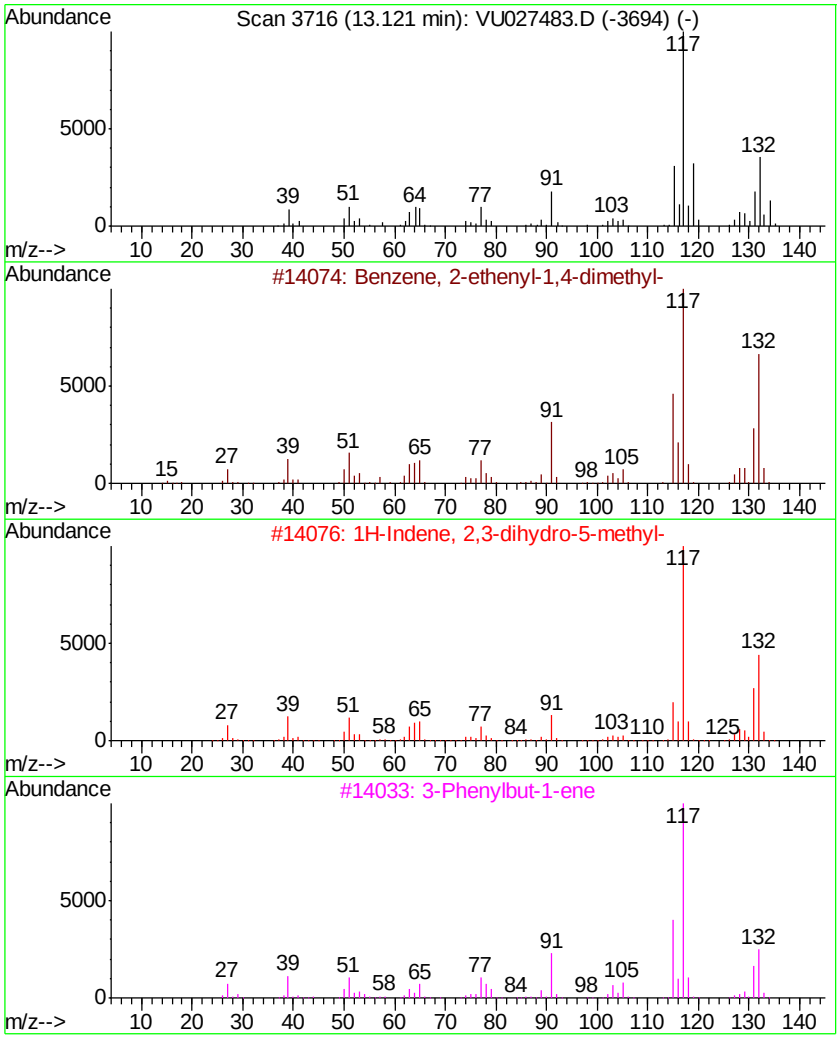
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

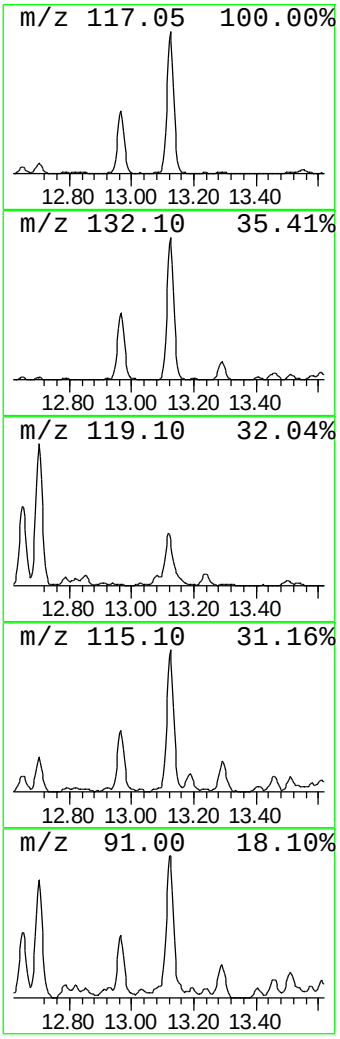
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	20.87 ug/l	275992	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	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027483.D
Acq On : 06 Oct 2018 02:55
Operator : MD/SY
Sample : J5268-09 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : NW-6

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, 2-methyl-	1.76	16.9	ug/l	164048	1	4.99	484323	50.0
Cyclopentane	2.79	15.2	ug/l	147151	1	4.99	484323	50.0
Cyclopentane, met...	4.10	31.8	ug/l	307680	1	4.99	484323	50.0
1,4-Hexadiene, (Z)-	4.78	14.7	ug/l	142154	1	4.99	484323	50.0
Benzene, 1-ethyl-...	10.68	32.1	ug/l	424662	4	11.48	661273	50.0
Benzene, 1,2,3-tr...	11.57	32.5	ug/l	429708	4	11.48	661273	50.0
Indane	11.77	37.3	ug/l	493296	4	11.48	661273	50.0
p-Cymene	11.87	16.2	ug/l	213828	4	11.48	661273	50.0
Benzene, 2-etheny...	13.12	20.9	ug/l	275992	4	11.48	661273	50.0